Kluwers Internationale Mikroprozessor-Vergleichsliste

ÜBER 7000 AMERIKANISCHE, EUROPÄISCHE UND JAPANISCHE MIKROPROZESSOREN, SPEICHER, SCHNITTSTELLEN UND ZUGEHÖRIGE LSI-BAUSTEINE MIT ELEKTRISCHEN UND MECHANISCHEN KENNDATEN, QUELLENANGABEN UND ERSATZVORSCHLÄGEN

Kluwers internationale microprocessorgids

MEER DAN 7000 AMERIKAANSE, EUROPESE EN JAPANSE MICROPROCESSORS, GEHEUGEN- EN INTERFACE-IC'S MET ELEKTRISCHE EN MECHANISCHE GEGEVENS, FABRIKANTEN EN VERVANGINGSTYPEN



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Ondanks alle aan de samenstelling van de tekst bestede zorg, kan noch de redactie noch de uitgever aansprakelijkheid aanvaarden voor eventuele schade, die zou kunnen voortvloeien uit enige fout, die in deze uitgave zou kunnen voorkomen.

Vorwort

Voorbericht

Jeder, der mit Mikroprozessoren zu tun hat, ob Hobbyelektroniker, Student, Ingenieur, Programmierer, Einkäufer, Lehrer oder Servicetechniker, braucht irgendwann einmal die Daten eines bestimmten Mikroschaltkreises. Abgesehen von den technischen Daten möchte man vielleicht auch erfahren, wo ein bestimmter Baustein erhältlich ist. Oder man sucht Hinweise (besonders wenn ein ausgelaufendes Modell zu ersetzen ist) darüber, welcher Baustein eines Zweitlieferanten ('second-source') bzw. welcher Alternativbaustein sich für einen bestimmten Anwendungsfall eignet.
Dieses Mikroprozessor-Nachschlagewerk, das nach dem gleichen Muster wie die Transistor-, Feldeffekttransistor- und Operationsverstärker/Linear-IS-Nachschlagewerke des gleichen Autors zusammengestellt ist, bietet in einem handlichen Heft umfassende, leicht verständliche und anwenderorientierte Auskünfte in Sachen Mikroprozessoren.
Die Tabellen enthalten die wesentlichen Kenndaten von über 7000 im Handel erhältlichen Mikroprozessorchips, d.h. Mikroprozessor- und Zentraleinheiten sowie die vielen LSI-Hilfsschaltkreise (z.B. ROMs, RAMs, PROMs, Taktgeber, UARTs, E/A-Bausteine), die gewöhlich mit dem Mikroprozessor selbst kombiniert werden, um einen arbeitsfähigen Mikrocomputer bzw. -controller zu bilden.
Um das Nachschlagen zu erleichtern, sind die Beschreibungen und Steuerungsdaten der einzelnen Schaltkreise in getrennten Zeilen aufgeführt. Die Reihenfolge der Tabellen is zuerst alphabetisch nach Typnummern und dann numerisch innerhalb des alphabetischen Systems.
Der Neuling auf dem Gebiet der Mikroprozessoren findet nach diesem Vorwort eine detaillierte Einleitung.
Die Tabellen sind durch mehrere Anhänge ergänzt, die zusätzliche Informationen enthalten: A. Mikroprozessoranwendungen (mit Schlüssel); B Mikroprozessorfamilien; C Mikroprozessor-LSI-Chiphersteller (mit Schlüssel); D Halbleiter-LSI-Technologien (mit Schlüssel); E Mikroprozessorchip-Gehäuse (mit Schlüssel); F herstellereigene Schlüssel; G Glossar der Mikroprozessorbegriffe.
Mikroprozessoren sind erst seit Anfang der 70er Jahre auf dem Markt. Es ist aber jetzt bereits schwierig, mit den schnellen Neuentwicklungen auf diesem Gebiet Schritt zu halten. Obwohl diese Tabellen und Anhänge mit größter Sorgfalt zusammengestellt wurden, können sich trotzdem Fehler eingeschlichen haben, für die der Verlag keine Verantwortung übernehmen kann. Anwendern, die noch umfassendere technische Daten über bestimmte Mikroprozessoren als die im Rahmen dieses Nachschlagewerkes angebotenen benötigen, wird empfohlen, die von den einzelnen Herstellern herausgegebenen Datenblätter, usw. anzufordern.
Dieses Nachschlagewerk ist international in seinem Umfang und behandelt Mikroprozessoren sowie die zogehörigen Bausteine aus den USA, Europa und dem Fernosten (Japan).

Eenieder die met microprocessors te maken heeft, hobbyist, student, elektronicus, programmeur, inkoper, leraar, servicetechnicus of zo maar als bescheiden lezer, heeft vaak de gegevens van een specifieke microschakeling nodig. Behalve deze technische gegevens wil men dan ook nog weten waar Het betreffende type te koop is. En, wat wellicht nog belangrijker is (in het bijzonder voor typen die niet meer leverbaar zijn), een indicatie voor een vervangingstype dat nog wel leverbaar is of voor een tweede leverancier.
Dit microprocessor-naslagwerk dat op dezelfde wijze is opgezet als de TRANSISTOR-, FET- en OPAMP-GIDSEN van de hand van dezelfde auteur, is zodanig opgezet dat in een handig naslagwerk een uitgebreid overzicht van vlot toegankelijke, gebruikergeoriënteerde essentiële gegevens op het gebied van microprocessors zijn samengebracht.
In de tabellen zijn de voornaamste basisgegevens van meer dan 7000 in de handel verkrijgbare 'chips' bijeengebracht waaronder niet alleen de microprocessorelementen zelf (bijvoorbeeld MVE's en CVE's), maar ook de vele andere LSI hulpschakelingen (zoals ROM's, RAM's, PROM's, klokgeneratoren, UART's, I/U's) die in combinatie met de microprocessors de complete microcomputer of microcontroller vormen. Om het naslaan te vergemakkelijken zijn de beschrijvingen en besturingsspecificaties van de afzonderlijke schakelingen op afzonderlijke regels in gedetailleerde tabellen uitgezet en op alfanumerieke volgorde naar typenummer gerangschikt.
Voor de beginneling op het nieuwe gebied van micropro-

cessors is voorafgaand aan de datatabellen in deze gids een inleiding tot deze componenten opgenomen. Verder zijn de tabellen aangevuld met afzonderlijke aanhangsels die aanvullende informatie verschaffen over: A. microprocessor-chip toepassingen (met coderingen);
B. microprocessor 'families'; C. microprocessor LSI-chipfabrikanten (met coderingen); D. halfgeleider LSI-technologieën (met coderingen); E. microprocessoromhullingen (met coderingen); F. coderingen van fabrikanten ; G. Verklarende woordenlijst van microprocessor termen;
Microprocessors zijn nog slechts vanaf het begin van de jaren '70 in de handel verkrijgbaar maar het is toch al moeilijk geworden om met de explosieve ontwikkeling op dit gebied rekening te houden. Om voor de nauwkeurigheid van de in de tabellen opgenomen gegevens te kunnen instaan werden alle redelijke vormen van voorzorg getroffen. Desondanks kan geen verantwoordelijkheid worden aanvaard voor eventuele onvolkomenheden. Gebruikers die volledigere technische informatie omtrent microprocessors wensen dan binnen de beperkingen van dit naslagwerk geboden kunnen worden, doen er goed aan de door de fabrikant verstrekte gegevens te raadplegen.
Het naslagwerk is internationaal van opzet en belicht niet alleen microprocessors en aanverwante componenten van Amerikaanse en Europese oorsprong, maar ook uit het Verre Oosten (Japan).

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Einleitung zum Mikroprozessor

In den 50er Jahren fing der Transistor an, die Vakuumröhre als Verstärkungs- und Schaltelement in elektronischen Schaltkreisen abzulösen.
In den 60er Jahren wurde der integrierte Schaltkreis (IS) entwickelt, bei dem mehrere Transistoren innerhalb einer kleinen Siliziumscheibe (Chip) miteinander verbunden sind. Bald waren preisgünstige, normierte lineare (analoge) und schaltende (digitale) IS auf dem Markt erhältlich. Infolgedessen hatten die IS bis Ende der 60er Jahre die meisten Aufgaben innerhalb eines elektronischen Schaltkreises übernommen, die bis dahin durch diskrete (einzelne) Transistoren ausgeführt wurden.
Die Ablösung des diskreten Transistors durch den integrierten Schaltkreis war vol allem auf dem Gebiet der digitalen Schaltungstechnik deutlich, wo sich eine IS-Familie, die TTL-Familie (Transistor-Transistor-Logik), stark durchsetzte und mehr oder weniger zur Norm wurde. Integrierte TTL-Schaltkreise waren anfangs auf *SSI*-Basis ('small-scale integration' = Integration kleinen Maßstabes) mit relativ wenigen Transistoren (im typischen Fall < 25 entsprechend zehn Schaltkreisen bzw. Gattern) aufgebaut. Verbesserungen der Herstellungsverfahren führten dann zu integrierten TTL-Schaltkreisen auf *MSI*-Basis ('medium-scale integration' = Integration mittleren Maßstabes), die bis zu 250 Transistoren bzw. 100 Gatter pro Chip enthielten. Ende der 60er Jahre erschienen die ersten integrierten Schaltkreise nach dem *LSI*-Verfahren ('large-scale integration' = Integration großen Maßstabes), die bis zu 2500 Transistoren bzw. 1000 Gatter pro Chip aufweisen konnten. In den 70er Jahren folgten dann integrierte *VLSI*-Schaltkreise ('very-large-scale integration' = Integration sehr großen Maßstabes) mit bis zu 25 000 Transistoren bzw. 10 000 Gattern auf einem einzigen Chip.
Vor diesem Hintergrund schneller Weiterentwicklung auf dem Gebiet der digitalen IS überrascht es nicht, daß im Jahre 1969 der japanische Hersteller von Büromaschinen Busicom an die US-Halbleiterfirma Intel mit der Bitte herantrat, einen Satz digitaler IS (Chips) für die Elektronik einer druckenden Rechenmaschine zu entwickeln. Dabei wurde es der Firma Intel genehmigt, diesen IS-Satz für Anwendungen anzubieten, die nicht im Zusammenhang mit solchen Rechenmaschinen standen. Der Satz bestand aus vier getrennten Chips (Typnummern 4001 bis 4004), die zusammen einen universellen Kleinrechner begrenzter Leistungsfähigkeit bildeten, welcher mit Datenworten zu je 4 Bit arbeiten konnte. Das wichtigste der vier Chips war die Zentraleinheit 4004, nach der dann der IS-Satz Mikroprozessorfamilie 4004 genannt wurde.
Etwa zur gleichen Zeit beauftragte anscheinend der US-Hersteller von Datenendgeräten Datapoint die Firma Intel (sowei die US-Halbleiterfirma Texas Instruments) mit der Herstellung eines Chipsatzes, der in einem universellen Rechner einzusetzen war. Es gelang der Firma Intel, den erwünschten Chipsatz zu produzieren, der aber schließlich für den von Datapoint angegebenen Anwendungsfall zu langsam arbeitete. Im Jahre 1971 beschloß also die Firma Intel, diesen Chipsatz MCS-8 (wegen der Typnummer 8008 der Zentraleinheit als Familie 8008 besser bekannt) auf den Markt zu bringen. Die Intel-Familie 8008 arbeitete mit einem 8-Bit-Datenwort und stellte die erste Generation echter' IS-Mikroprozessoren dar. Mikroprozessor bedeutet in diesem Zusammenhang ein einziges IS-Chip (oder einen kleinen Chip-satz), das die Funktionen eines zentralen Prozessors bzw. einer Zentraleinheit (CPU) in einem universellen Rechner auszuführen vermag.

Terminologie
Neulinge auf dem Gebiet der Mikroprozessortechnik, besonders diejenigen, die begrenzte Kenntnisse der digitalen Rechentechnik besitzen, werden möglicherweise die angewandten Begriffe als verwirrend empfinden. Der *Mikroprozessor* selbst wurde bereits oben definiert. Werden die Mikroprozessor-chips innerhalb eines Rechners eingesetzt, so wird die Zentraleinheit (CPU) oft Mikroprozesoreinheit (MPU) genannt.
Der *Mikrocomputer* dagegen ist eine Sammlung von Mikroprozessorchips auf einer oder mehreren Platinen, welche die gesamte interne Elektronik eines Kleinrechners darstellt. Heutzutage versteht man unter dem Begriff Mikrocomputer, daß die Zentraleinheit mit Mikroprozessorchips realisiert wird. Der Mikrocomputeraufbau besteht im allgemeinen aus getrennten Chips, die Daten speichern sowie die Schnittstellen mit externen Ein- und Ausgabeeinheiten (Peripherie) wie Tastaturen, Druckern, usw. bilden, beinhaltet jedoch nicht die Peripherie selbst.
Ein *Mikrocomputersystem* ist ein vollständiger arbeitsfähiger Rechner in einem Gehäuse zusammen mit allen erforderlichen Peripheriegeräten.
Manchmal bezeichnet man einen Mikroprozessor als *Einzelchip-Computer,* obwohl die meisten Mikroprozessoren erst im Zusammenhang mit mehreren zusätzlichen Chips, die verschiedene Funktionen übernehmen, einen wahrhaftigen Rechner darstellen.

Ab Mitte der 70er Jahre war aber die Halbleitertechnik bereits so weit fortgeschritten, daß es möglich wurde, sämtliche für ein universelles digitales Verarbeitungs und Steuersystem erforderlichen Elemente (Mikroprozessor, Programmspeicher, Datenspeicher, E/A-Schnittstellen und Haupttaktgeber) auf einem einzigen großen LSI-Chip unterzubringen. Für einen derartigen Mikroprozessor gilt die Bezeichnung Einzelchip-Computer; Benennungen wie Einchip-, Einzelchip- oder Monochip-Mikrocomputer sind aber auch sehr geläufig. Am häufigsten findet man jedoch, daß solche Einzelchip-Mikrocomputer *Mikrocontroller* genannt werden, da sie hauptsächlich in industriellen Steuer- und Regelprozessen eingezetzt werden.
Neulingen auf dem Gebiet der Mikroprozessortechnik, die nur geringe Kenntnisse der allgemeinen EDV-Technik besitzen, wird das Glossar der Mikroprozessorbegriffe (Anhang I) empfohlen.

Lieferanten von Mikroprozessorchips
Im Laufe der 70er Jahre nahmen nach Intel viele Halbleiterfirmen die Herstellung von Mikroprozessoren auf. Jeder Hersteller wandte die eigenen Systemkonzepte an, so daß viele verschiedene Chipfamilien auf dem Markt erschienen.
Wie zu erwarten war, nahmen die bereits etablierten US-Halbleiterfirmen wie Fairchild, General Instruments, Motorola, National Semiconductor, Raytheon, RCA, Signetics und Texas Instruments eine große Rolle ein. In Westeuropa sind die Lieferanten unter anderen AEG-Telefunken, Ferranti, Plessey, SGS/ATES, Siemens und Thomson-CSF, während in Japan Fujitsu, Hitachi, Matsushita, Mitsubishi, NEC und Toshiba Mikroprocessorchips herstellen.
Neben den oben erwähnten Halbleiterfirmen stiegen einige Spezialfirmen direkt ins Mikroprozessorgeschäft ein, z.B. Advanced Micro Devices, American Microsystems, Hughes, Harris, Intersil, Monolithic Memories, MOS Technology, Mostek, Rockwell, Solid State Scientific, Synertek und Zilog.
Es gibt insgesamt bereits über 50 Lieferanten von Mikroprozessorchips, obwohl dabei nicht übersehen werden darf, daß einige Zweitlieferanten ('second-source') sind, d.h. sie fertigen nach den Mustern anderer Hersteller. Im Anhang C findet man Angaben zu den Mikroprozessorchipherstellern, die seit den 70er Jahren tätig sind.
Braucht man nur wenige Mikroprozessorchips, so kauft man sie im allgemeinen von einem der Distributoren, die in den an Zeitungskiosken und bei den Zeitungshändlern erhältlichen Elektronikzeitschriften und besonders in den vielen populären Mikrocomputer-/Mikroprozessorzeitschriften inserieren. Falls man keinen Kleinhändler, der das benötigte Chip liefert, ausfindig machen kann, so wendet man sich an die Hersteller bzw. ihre Vertretungen (Anhang C), die gerne Auskünfte über mögliche Lieferquellen geben.

Herstellung von Mikroprozessorchips
Verschiedene Verfahren (Anhang D) werden bei der Herstellung von Mikroprozessorchips angewandt. Vom Gesichtspunkt des Anwenders underscheiden sich die LSI-Fertigungstechnologien hauptsächlich nach (a) Arbeitsgeschwindigkeit, (b) Anzahl der Stromversorgungsschienen, (c) Stromentnahme, (d) digitalen Signalpegeln (insbesondere in einer Kombination aus verschiedenen LSI-Chips) und (e) Kosten.
In der Praxis muss sich der durchschnittliche Anwender von Mikroprozessorchips nicht 'übermäßig damit abgeben, welche LSI-Technologie angewandt wird. Er sollte zwischen 'bipolar' (herkömmliche bipolare Transistoren innerhalb des Chips) und 'MOS' (unipolare Metalloxyd-Feldeffekttransistoren) unterscheiden können. Bei den bipolaren Chips besteht der Vorteil darin, daß im allgemeinen eine einzige +5−V−Gleichstromversorgung verwendet wird wie bei den integrierten TTL-Standard-Schaltkreisen, die häufig die Peripherie eines Mikroprozessorchips bilden. Bipolare Chips sinds außerdem in der Regel schneller als MOS-Schaltkreise. MOS-Chips benötigen in manchen Fällen mehr als eine Gleichstromversorgungsschiene, obwohl es jetzt viele moderne Ausführungen gibt, die mit einer einzigen Versorgungsschiene auskommen. Die NMOS-Technik (Negativkanal-MOS) ist im allgemeinen schneller als die PMOS-Technik (Positivkanal-MOS), während die CMOS-Technik (Komplementär-MOS, d.h. sowohl N- als auch P-Kanalelemente auf demselben Chip) meistens langsamer als die beiden anderen arbeitet. Bei der CMOS-Technik besteht jedoch der große Vorteil, daß der Reservestrombedarf sehr gering ist, was sich als sehr nützlich erweist, falls der Batteriebetrieb einen Hauptfaktor darstellt.

Mikroprozessorchip-Gehäuse
Normalerweise werden Mikroprozessorchips in einem hermetisch versiegelten Gehäuse mit externen Anschlüssen für weitere elektrische Verbindungen geliefert. Ein solches Gehäuse mißt im typischen Fall 5 cm (Länge) × 1,5 cm (Breite) × 0,3 cm (Tiefe) und weist bis zu 40 (gelegentlich 64) elektrische Anschlüsse an den Längsseiten auf.
Die gängigste Gehäuseart nennt man '*D*ual-*I*n-*L*ine' (DIL) bzw. 'Dual-In-Line Package' (DIP). Mikroprozessorchips werden manchmal in anderen Gehäusen angeboten (siehe Anhang E), das DIL-Gehäuse bleibt aber die üblichste Verpackungsart, so daß man häufig den Begriff DIL stellvertretend für Chip findet.
Mikroprozessorgehäuse können aus Kunststoff, Keramik, Glas oder Metall bestehen. Kunststoffgehäuse sind die billigsten und werden im allgemeinen für unkritische Anwendungsfälle hergenommen, wo die Umgebungstemperatur im Bereich 0 bis 75 °C liegt. Keramikgehäuse, die um etwas teurer als Gehäuse aus Kunststoff sind, eignen sich auf für unkritische Arbeitstemperaturbereiche. In industriellen (Temperaturen −35 bis +85 °C) und militärischen (−55 bis +125 °C) Anwendungen wird meistens ein hermetisch versiegeltes, feuchtigkeitsfestes Gehäuse benötigt. Dies erfordert im allgemeinen ein glasverdichtetes Keramik-, Glas- oder Metallgehäuse und erhöht natürlich die Kosten der Verpackung.
Das verwendete Verpackungsmaterial ist meistens durch einen alphanumerischen Code am Ende der Typnummer eines Bausteins angegeben. Da gegenwärtig noch keine Industrienorm für Verpackungsmaterialangaben existiert, wendet jeder Hersteller das eigene Materialcodesystem an.

Lieferbare Mikroprozessorchipausführungen
Der Konstrukteur einer für den Einsatz in einem Mikrocomputer bestimmten Chipfamilie möchte natürlich sämtliche Logikschaltkreise auf einem einzigen Chip unterbringen. Die Anzahl der Logikgatter, die auf einem Chip angemessener Größe Platz findet, ist jedoch sowohl durch die Fertigungsausbeute als auch durch die praktisch ausführbare Anzahl der Gehäuseanschlüsse begrenzt. Die übliche Anzahl der Anschlüsse pro Gehäuse beträgt gegenwärtig höchstens 64, so daß der Schal-

tungsingenieur sein Konzept meistens in mehrere Chips aufteilen muß, die dann schließlich auf einer Platine angeordnet und miteinander verbunden werden.
Die elektronische Funktion eines einzelnen Mikroprozessorchips hängt zum großen Teil von der Architektur des Mikrocomputers ab, d.h. wie die verschiedenen Funktionsteile under den Chips verteilt sind. Der Anhang A vermittelt einen Eindruck der vielen verschiedenen Funktionen, die Mikroprozessorchips ausführen können. Diese Anwendungsübersicht gibt auch den Buchstabencode der Funktionen an, der in den eigentlichen Datentabellen verwendet wird.
Die im Handel erhältlichen Chips lassen sich mehr oder weniger in vier Hauptgruppen einteilen, welche den wichtigsten Teilen eines Computers entsprechen: 1) *Zentraleinheit,* 2) *Seicher* (löschbare und unlöschbare), 3) *interne Schnittstellen,* 4) *Eingabe/Ausgabe* (E/A) in bzw. von Peripherieeinheiten.
Die *Zentraleinheit* besteht aus zwei Hauptteilen, der Steuereinheit und dem Rechenwerk; in manchen Mikroprozessoren sind diese Teile mit zwei getrennten Chips realisiert. Bei den modernsten Typen findet man aber alle Bestandteile der Zentraleinheit auf einem einzigen Chip.
Ein Computer braucht zur Speicherung digitaler Informationen drei verschiedene *Speicher:* i) *Schreib-/Lesespeicher* oder *RAM* ('random-access memory') für das Zwischenspeichern und Abrufen von Daten mit schnellen Zugriff; ii) *Festwert-* oder *Nur-Lesespeicher* bzw. *ROM* ('read-only memory') für das permanente Speichern von Daten; iii) *externe Hilfsspeicher,* d.h. auf einem externen Träger (z.B. Magnetband, Magnetplatte, Lochstreifen) gespeicherte Daten, die infolge der damit verbundenen Mechanik nur relativ langsam abrufbar sind.
RAMs sind in zwei Hauptausführungen lieferbar: statische und dynamische.
Statische Schreib-/Lesespeicher halten, nachdem Daten eingegeben (eingeschrieben oder -gelesen) worden sind, diese Daten unbegrenzt und zum Auslesen bereit, solange die Gleichstromversorgung aufrechterhalten wird.
Bei den dynamischen RAMs muß aber nicht nur die Gleichstromversorgung gewährleistet werden, der Speicher muß auch ständig aufgefrischt werden, d.h. alle Daten müssen mindestens 500mal pro Sekunde ausgelesen und wieder eingeschrieben werden. Dieses Verfahren verlangt unter Umständen ein getrenntes Speichersteuerungschip.
Es gibt mehrere ROM-Chiparten auf dem Markt:

a) *MROM* ('masked ROM'): Maskenprogrammierte Lesespeicher enthalten Daten, die vom Hersteller unlöschbar einprogrammiert werden.
b) *PROM* ('programmable ROM'): Programmierbare Lesespeicher lassen sich vom Anwender selbst unlöschbar programmieren bzw. 'einbrennen'.
c) *EPROM* ('erasable PROM'): Löschbare PROMs lassen sich vom Anwender durch das Anlegen geeigneter elektrischer Signale programmieren. Falls die gespeicherten Daten zu einem späteren Zeitpunkt nicht mehr gebraucht werden, kann man das Chip durch ein transparentes Quarzfenster am Gehäuse mit ultraviolettem Licht belichten und somit die Daten löschen. Der EPROM läßt sich danach mit frischen Daten erneut programmieren.
d) *EAROM* ('electrically alterable ROM'): Elektrisch veränderbare ROMs benötigen keine UV-Bestrahlung zur Löschung. Durch das Anlegen entsprechender elektrischer Signale an die Anschlüsse des Chips lassen sich bereits gespeicherte Daten löschen bzw. neue Daten einschreiben.

Zu den *internen Schnittstellenchips* gehören unter anderem Auffrischeinheiten für dynamische RAMs, Zwischenspeicher und Speicher-Flip-Flops ('Latches'), Taktgeber, DMA-Steuerungen ('direct memory access' = direkter Speicherzugriff), Unterbrechungssteuerungen, Prioritätsunterbrechungssteuerungen, Zeitgeber/Zähler und Schieberegister.
Die *E/A-Chips* bilden die Schnittstellen zwischen einem Mikroprozessor und der Außenwelt. Zu den typischen E/A-Einheiten gehören Übertragungsschnittstellen, Kassettensteuerungen, Leitungstreiber, Tastaturcodierer sowie VDU-Steuerungen ('visual display unit' = optische Anzeigeeinheit). Neben den Zentraleinheit- und Speicherchips bilden die E/A-chips infolge der vielen verschiedenen Peripheriegeräte, welche im Zusammenhang mit einem Mikrocomputersystem arbeiten können, die zahlreichste Gruppe.
Mit Verbesserungen der LSI-Fertigungsverfahren ist es möglich geworden, immer mehr Funktionen auf einem einzigen Chip unterzubringen. Es ist jetzt bereits üblich, die Zentraleinheit, interne Schnittstellen und Schreib-/Lesespeicher in ein Chip zu integrieren. Wegen der Vielfalt der Peripherie findet man jedoch die E/A-Einheiten meistens noch auf getrennten Chips.
Neben dieser Betrachtung der verschiedenen Mikroprozessorchips sollte man die große Auswahl an integrierten Standard-TTL- und -CMOS-Schaltkreisen nicht übersehen, mit denen sich die Leistungsfähigkeit eines Mikroprozessors erweitern läßt.

Hardware, Software und Firmware
In einem Computer begegnet man Hardware, Software und manchmal auch Firmware.
Die Hardware besteht aus den verschiedenen elektronischen Schaltkreisen und elektromechanischen Geräten, welche die vom Anwender eingegebenen Daten aufnehmen, diese speichern und verarbeiten und in Form eines Ergebnisses an den Benutzer wieber ausgeben. Es gibt sowohl externe als auch interne Hardware.
Die externe Hardware umfaßt elektromechanische Geräte wie Drucker, Anzeigen, Tastaturen, Magnetband- oder -platteneinheiten, Lochstreifengeräte, Fernschreiber und Lochkartengeräte.
Die interne Hardware bilden die elektronischen Logikschaltkreise, welche die in den Rechner eingegebenen Daten verarbeiten und die Ergebnisse an die externe Hardware ausgeben. Die interne Hardware besteht im allgemeinen aus Druckplatten oder -karten, auf denen elektronische Bausteine und die zugehörigen elektrischen Verbindungen montiert sind. Durch die Entwicklung der Integrationstechnik großen Maßstabes (LSI) sowie die Möglichkeit, viele Halbleiterbauelemente auf einem einzigen Chip unterzubringen, sind die Platinen allmählich kleiner geworden und enthalten jetzt relativ wenige einzelne (diskrete) Bausteine zusammen mit einer kleinen Anzahl Mikroprozessorchips.
Das Softwareprogramm ist in manchen Fällen unlöschbar in Form von digitalen Bitgruppen in einem LSI-Lesespeicher aus Silizium enthalten, und man spricht dann von 'Firmware', da es sich um ein Programm (Software) handelt, das in einem Stück Halbleitermaterial (Hardware) festgehalten ist.
In den meisten Fällen aber wird das Softwareprogramm (a) auf Papier in Form einer Liste schriftlicher Anweisun-

gen, die vom Anwender über eine Tastatur manuell in den Rechner eingegeben werden, festgelegt; (b) auf Magnetband zum Einlesen in den Rechner über einen Magnetbandleser aufgezeichnet; (c) in Form von Löchern auf einem Lochstreifen aus Papier oder Kunststoff dargestellt, der dann durch einen Lochstreifenleser gelesen wird; (d) in Form einer Folge digitaler Bits auf einer Magnetplatte aufgenommen, die über einen Lese-/Schreibkopf eingelesen werden; oder (e) als Löcher auf einer Lochkarte dargestellt, von der die Informationen über einen Lochkartenleser zum Rechner übertragen werden.
In den 70er Jahren war Software für den durchschnittlichen Digitaltechniker eine unbekannte Größe. Er mußte sich aber auf die Ankunft einer vollkommen neuen Ära gefaßt machen.
In den traditionellen festverdrahteten oder zweckbestimmten Logiksystemen wurde eine Anzahl bereits lieferbarer digitaler Standard-IS und diskreter Halbleiterbauelemente durch feste Verdrahtung (meistens auf einer Platine) miteinander verbunden. Änderungen der Schaltung erforderten ein neues Verdrahtungsschema und somit sehr oft neue IS.
Mit den neuen Mikroprozessoren mußten sich die Schaltungsentwickler auf eine andere Methode einstellen, die man 'weichverdrahtete' Logik nennen könnte. Hierbei wird eine Gruppe Mikroprozessorchips in einer festgelegten Anordnung miteinander verbunden. Dieser feste Schaltungsaufbau kann dann verschiedene Funktionen erfüllen, wozu aber nicht die Verdrahtung (wie bei der zweckbestimmten Logik) sondern das den Mikroprozessor-Betriebsablauf steuernde Programm geändert wird.
Traditionsgemäß waren auf dem Gebiet der Rechentechnik die Ingenieure entweder hardware- oder softwareorientiert und selten mit beiden Disziplinen vertraut. In der neuen 'Ara des Mikroprozessors muß der Ingenieur aber mit beiden umgehen können.

Mikroprozessorfamilien
In den 70er Jahren stiegen viele Halbleiterhersteller unter Anwendung verschiedener Entwicklungsphilosophien in das Mikroprozessorgeschäft ein. Im Laufe des Jahrzehnts kam es dann zur Fortpflanzung vieler verschiedener Chipfamilien. Im Anhang B findet man Einzelheiten über alle Chipfamilien, die auf dem Markt waren bzw. es noch sind.
Wie zu erwarten ist, wurden die von den größten Halbleiter-firmen entwickelten Typen zu den Zugpferden der Industrie und schließlich von einem ('second-source') bzw. mehreren anderen Firmen ('multi-source') angeboten.
Neben der Erfinderfirma Intel stellten sich mit der Zeit Texas Instruments, Motorola und National Semiconductor als die führenden Produzenten heraus, verfolgt von RCA, General Instruments, MOS Technology, Zilog, Fairchild, Mostek, Intersil und Rockwell.
Zählt man alle Mikroprozessorchips (mit Ausnahme der Zweitausführungen und funktionsäquivalenter Typen) die sich zur Zeit auf dem Markt befinden, so sind es weit über einhundert im wesentlichen verschiedene Modelle. Dabei sind diejenigen Chips nicht berücksichtigt, die lediglich einen besseren Temperaturbereich oder höhere Arbeitsgeschwindigkeit gegenüber dem Grundmodell aufweisen.
Mikroprozessorchipfamilien lassen sich verschieden klassifizieren. Wohl das wichtigste Wahlkriterium ist die Bitzahl eines Datenwortes. Die Bitzahl erstreckt sich von 1 Bit (z.B. SBA von General Instruments) über 2 Bits (Intel 3000), 4 Bits (TMS1000 von Texas Instruments), 8 Bits (Motorola 6800) und 12 Bits (Intersil 6100) bis hin zu 16 Bits (Zilog Z8000). Die 80er Jahre werden nun die Ankunft des 32-Bit-Mikroprozessors erleben.
Zur Erzielung eines größeren Datenwortsystems lassen sich einige Chips parallel betreiben. Solche Prozessorelemente ('bit slices') sind in 2-Bit- (z.B. Intel 3000), 4-Bit-(SN74LS481 von Texas Instruments) und 8-Bit-Ausführungen (Fairchild F100220) lieferbar.
Bis Anfang der 80er Jahre hatten sich drei Hauptfunktionsgruppen unter den Mikroprozessorchips gebildet: 1) Einzelchip, 2) Vielfachchip, 3) Prozessorelement.
Eine der interessantesten Entwicklungen der 70er Jahre stellte der *Einzelchip-Mikrocomputer* bzw. Mikrocontroller dar. Dieser ist so ausgelegt, daß sämtliche interne Logikkreise (Zentraleinheit, Lesespeicher, Schreib-/Lesespeicher, E/A und Taktgeber) auf einem einzigen Chip Platz finden. Der Mikrocontroller Zilog Z8 ist ein typisches Beispiel. Die *Tabelle 1* bietet eine Übersicht der gegenwärtig auf dem Markt erhältlichen Einzelchip-Mikrocomputer.
Vielfachchip-Mikroprozessoren benötigen mehr als ein Chip zur Bildung eines betriebsfähigen Systems. Die Mehrheit der zur Zeit lieferbaren Mikroprozessorfamilien ist dieser Art. Die *Tabelle 2* enthält eine abgekürzte Liste dieser Typen.
Schließlich enthält die *Tabelle 3* eine Liste der Prozessorelementfamilien.
Unter den Mikroprozessorchips ist das wichtigste Element natürlich der Prozessor selbst, der CPU ('central processing unit' = Zentraleinheit) oder MPU ('microprocessing unit' = Mikroprozessoreinheit) genannt wird. Von diesem Chip wird dann auch im allgemeinen die Nummer der Gesamtfamilie abgeleitet. Die Familie 6800 bekommt zum Beispiel ihre Typnummer von dem CPU-Chip MC6800, obwohl das arbeitsfähige Computersystem erst durch zusätzliche Chips vervollständigt wird: Schreib-/Lesespeicher 6810, Peripherieschnittstellenadapter 6820, Lesespeicher 6830, Übertragungsschnittstellenadapter 6850.
Ist ein Mikroprozessorchip mehr oder weniger zur Industrienorm geworden und wird es von mehr als einer Firma produziert, so läßt man meistens irgendwelche Angangsbuchstaben der Bezeichnung fallen, d.h. nur der numerische Teil der Typnummer wird angegeben. Das erste wirklich bekannte CPU-Chip war wahrscheinlich das Modell C8080 von Intel zum Beispiel, das nun von Ingenieuren einfach 'achtzigachtzig' genannt wird. Das ebenfalls bekannte Modell MC6800 der Firma Motorola heißt 'achtundsechzig-null-null' und die Ausführung TMS9900 von Texas Instruments kursiert meistens als 'neunundneunzig-null-null'.

Hausinterne Schlüssel der Mikroprozessorchiphersteller
Da noch kein durch die Industrie normiertes System für die Typenbezeichnungen von Mikroprozessorchips existiert, wendet jeder Hersteller den eigenen hausinternen Schlüssel an, der meistens mit einem oder mehreren der Hersteller kennzeichnenden Buchstaben anfängt.
Viele Mikroprozessorchips sind auch von Zweitlieferanten erhältlich, d.h. das gleiche Modell wird von mehreren Firmen gefertigt. In solchen Fällen ist es dann üblich den numerischen vom ursprünglichen Hersteller geprägten Teil der Typenbezeichnung beizubehalten. Das Modell MC6800 etwa, das zuerst von der Firma Motorola kam, erhielt später die Bezeichnung F6800, als es auch von Fairchild angeboten wurde.
Die alphabetischen Anfangsbezeichnungen der bekanntesten Mikroprozessorchiphersteller sind: Advanced Mi-

cro Devices: AM, DS, MC (oder keine); American Microsystems: S; Data General: MN; Elektronic Arrays: EA oder L; EMM-SEMI: EMM oder SEMI; Fairchild: CCD, F, M (oder keine); Ferranti: F oder ZN; General Instruments: CP, ER, IOB, LP, MUX, PIC, RA oder RO; Intel: B, C, H, MD oder P; Monolithic Memories: MMI (oder keine); MOS Technology: MCS; Mostek: MK; Motorola: MC, MCM, MM, MMH, MPQ oder XC; National Semiconductor: INS, IDM oder MM; NEC: μCOM, μPB, μPC oder μPD; Philips-Signetics: GXB, GZF, HEF, N, S (oder keine); Raytheon: R; Siemens: HYB oder SAB; Signetics: siehe Philips; Synertek: SY, SYC oder SYP; Texas Instruments: SBP, SN, SMC, TMS oder TIM; Western Digital: FD oder UC; Zilog: Z.

Im Anhang H findet man die herstellereigenen Schlüssel in alphabetischer und dann numerischer Reihenfolge.

Inleiding tot de microprocessors

In de jaren '50 wist de transistor de elektronenbuis als versterkend of schakelend actief element vrijwel geheel uit elektronische schakelingen te verdringen.
In de jaren '60 werd het IC (Integrated Circuit = geïntegreerde schakeling) ontwikkeld met daarin op een klein plaatje silicium, een aantal onderling doorverbonden transistoren waaruit een commercieel pakket van goedkope door de industrie genormaliseerde lineaire (analoge) en schakelende (digitale) IC's ontstond. Het gevolg daarvan was dat tegen het eind van de jaren '60 de IC's het merendeel van het werk in de elektronische schakelingen hadden overgenomen dat tot dan door discrete (afzonderlijke, losse) transistoren werd verricht.
De overname van de functies van discrete transistoren door IC's werd vooral duidelijk op het gebied van de digitale schakeltechniek, waarbij één familie van IC's, de TTL (transistor-transistor-logica) een onbetwiste standaard werd. TTL IC's behoorden aanvankelijk tot de categorie *SSI* (small scale integration = kleinschalige integratie) met op de chip maar betrekkelijk weinig transistoren (doorgaans minder dan 25, wat overeenkwam met zo'n 10 schakelcircuits of wel 'poortschakelingen'). Naarmate de fabricagetechniek verbeterd werd verschenen de nieuwe *MSI* (medium scale integration = integratie op middelgrote schaal) TTL IC's met tot circa 250 transistoren (100 poortschakelingen) per chip. Tegen het eind van de jaren '60 deden de *LSI* (large scale integration = grootschalige integratie) IC's hun intrede met tot 2500 transistors of wel 1000 poortschakelingen op een chip. Deze werden in 1970 opgevolgd door *VLSI* (very large scale integration = zeer grootschalige integratie) IC's met tot 25 000 transistors of 10 000 poortschakelingen per chip.
Tegen de achtergrond van deze technische ontwikkelingen op het gebied van digitale IC's is het niet verrassend dat in 1969 een Japanse fabrikant van kantoormachines, Busicom, een Amerikaanse fabrikant van halfgeleiders, Intel, verzocht om voor hen een serie digitale geïntegreerde schakelingen ('chips') te ontwikkelen ten behoeve van de elektronica van een printer-calculator. Intel zou daarbij de rechten verwerven om dit pakket IC's voor andere dan calculatortoepassingen te verkopen. Dit pakket bestond uit vier afzonderlijke chips met de typenummers 4001 t/m 4004, die gezamenlijk gebruikt zouden kunnen worden om een universele kleine computer met beperkte capaciteit te vervaardigen, die met 4-bit datawoorden zou werken. De belangrijkste chip van de serie was de 4004, de centrale verwerkingseenheid voor het computersysteem, en op grond hiervan wordt deze serie chips dan ook gewoonlijk aangeduid als de 4004 microprocessorfamilie.
Ongeveer tegelijkertijd verzocht ook Datapoint, een Amerikaanse fabrikant een computer-dataterminals, kennelijk zowel Intel als een andere Amerikaanse halfgeleiderfabrikant, Texas Instruments, om een serie chips te vervaardigen voor toepassing in een universele computer. Intel slaagde erin een serie chips te produceren maar voor de, door Datapoint gespecificeerde, eisen bleken deze te traag. In 1971 besloot Intel dan ook deze chip-set op de markt te brengen onder de naam MCS-8; meer algemeen bekend als de 8008-familie omdat 8008 het typenummer was van de centrale verwerkingseenheid, de belangrijkste chip van het stel. Het 8-bit datawoord van de Intel 8008-familie is kenmerkend voor de eerste generatie van 'echte' geïntegreerde microprocessorschakelingen. In dit verband wordt de term microprocessor gebruikt voor een enkele IC-chip (of een klein aantal chips) die de functies van een centrale processor, centrale verwerkingseenheid (CVE) of van een universele computer kan uitvoeren.

Terminologie
Beginners op het gebied van de microprocessor, in het bijzonder zij met slechts beperkte ervaring op het gebied van standaard digitale computerelektronica vinden de terminologie die daarbij gewoonlijk gebruikt wordt, tamelijk verwarrend. De *microprocessor* zelf werd eerder al gedefinieerd. Worden de microprocessorchips in een computer gebruikt, dan wordt de centrale verwerkingseenheid vaak aangeduid met micro-verwerkingseenheid of MVE.
De *microcomputer,* ter onderscheiding van de microprocessor, is het samenstel van microprocessorchips dat op één of meer schakelingen (printed circuit boards) gemonteerd, samen de interne elektronica van een computer van geringe omvang vormen. Vandaag de dag impliceert de term microcomputer, het gebruik van microprocessorchips voor de centrale verwerkingseenheid. Een dergelijke microcomputer zal normaal bestaan uit losse chips voor data-opslag en voor aankoppeling van externe invoer- en uitvoerapparatuur ('randapparatuur') zoals toetsenborden, printers enz. maar die niet de randapparaten zelf omvatten.
Het *microcomputer-systeem* is de complete computer in zijn behuizing, klaar voor gebruik, met alle benodigde randapparatuur aangesloten. Een microcomputer wordt soms ook wel aangeduid als een *'computer-op-een-chip'*;

hoewel op de meeste microprocessors toch nog wel meerdere verschillende extra chips aangesloten moeten worden voordat ze op realistische wijze als computer kunnen fungeren.
Vanaf het midden van de jaren '70 echter heeft de halfgeleidertechnologie een dusdanige ontwikkeling doorgemaakt dat het nu mogelijk is om alle voor een universeel digitaal verwerkings- en besturingssysteem benodigde elementen (microprocessor, programmageheugen, datageheugen, invoer/uitvoer-interfaces en moederklok), op een grote LSI-chip onder te brengen. Op een dergelijke microprocessor is weliswaar de omschrijving 'computer-op-een-chip' van toepassing, maar meestal werden ze aangeduid met 'single-chip'; 'one-chip' of 'mono-chip' microcomputer. Meestal wordt echter voor een single-chip microcomputer de uitdrukking *'microcontroller'* gehanteerd omdat deze het meest gebruikt wordt op het gebied van de industriële besturing.
Beginners op het gebied van de microprocessor, in het bijzonder zij met weinig ervaring met standaardcomputers, zullen waarschijnlijk veel nut hebben van de verklarende woordenlijst (aanhangsel G; achter de tabellen) van speciale computeruitdrukkingen zoals die op het gebied van de microprocessor veelvuldig worden gehanteerd.

Leveranciers van microprocessor-chips
In de loop van de jaren '70 volgden tal van halfgeleiderfabrikanten Intel op het gebied van de fabricage van microprocessorchips. Ieder van hen had de neiging eigen concepten voor het systeemontwerp te hanteren, wat er de oorzaak van is geworden dat er tal van verschillende chipfamilies op de markt verschenen.
Zoals verwacht mocht worden hebben daarbij in de Ver. Staten de reeds gevestigde halfgeleiderfabrikanten als Fairchild, General Instruments, Motorola, National, Raytheon, RCA, Signetics en Texas Instruments baanbrekend werk verricht. In West-Europa werden microprocessorchips geleverd door bedrijven als AEG-Telefunken, Ferranti, Plessey, SGS/Ates, Siemens en Thomson-CSF en in Japan door Fujitsu. Hitachi, Matsushita, Mitsubishi, NEC en Toshiba.
Behalve de hierboven aangegeven categorieën halfgeleiderfabrikanten zijn ook een aantal gespecialiseerde bedrijven direct met de produktie van microprocessorchips begonnen. Daartoe behoren Advanced Micro Devices, American Microsystems, Hughes, Harris, Intel, Intersil, Monolithic Memories, Mos Technology, Mostek, Rockwell, Solid State Scientific, Synertek en Zilog.
Vandaag de dag zijn er in totaal meer dan 50 fabrikanten van microcomputerchips, alhoewel sommigen daarvan uitsluitend als 'tweede leverancier' (second source) optreden d.w.z. volgens ontwerpen van andere fabrikanten produceren. *Aanhangsel C* (na de tabellen) geeft een overzicht van microcomputerfabrikanten die vanaf '70 tot en met de jaren '80 actief waren en nog zijn. Zijn slechts een beperkt aantal microcomputerchips nodig, dan zal men die waarschijnlijk betrekken van de kleinhandel die op uitgebreide schaal adverteert in de elektronicatijdschriften. In het bijzonder de populaire tijdschriften die aan de microprocessor gewijd zijn. Lukt het niet om voor de gewenste chip een kleinhandeladres te vinden, dan kunt u inlichtingen omtrent de plaats waar deze te krijgen is, inwinnen bij de fabrikant zelf, of bij een van zijn plaatselijke vestigingen of vertegenwoordigers zoals die in het gedetailleerde overzicht van chipfabrikanten in *aanhangsel C* zijn vermeld.

Microprocessorchip-fabricage
Bij de produktie van commerciële microprocessorchips bedient men zich van tal van verschillende halfgeleiderfabricageprocessen (opgenomen in *aanhangsel D*). Vanuit het oogpunt van de gebruiker onderscheiden de verschillende LSI fabricagetechnologieën zich vooral naar: (a) schakelsnelheid; (b) aantal afzonderlijke voedingsspanningen; (c) opgenomen vermogen; (d) digitale signaalniveaus (zeker als meerdere verschillende LSI-chips door elkaar heen worden gebruikt) en (e) kostprijs.
In de praktijk hoeft de doorsnee gebruiker van microprocessor-chips zich niet al te veel zorg te maken over welke LSI-technologie werd gebruikt. Wel moet hij onderscheid weten te maken tussen 'bipolair' (waarbij de transistoren binnenin de chip van het conventionele bipolaire type zijn) en 'MOS' (waarbij binnenin de chip unipolaire MOS-FET's worden gebruikt). Bipolaire chips hebben het voordeel dat doorgaans kan worden volstaan met een enkele standaardvoedingsspanning van +5 V zoals bij de universele standaard TIL digitale IC's die vaak als hulpjes rond microprocessorchips worden gebruikt. Ook zijn ze doorgaans sneller dan MOS. Bij MOS-chips is vaak meer dan één gelijkspanningsvoeding nodig, hoewel tal van moderne MOS-chips voor gebruik met één enkele voedingsspanning zijn ontworpen. NMOS is doorgaans sneller dan PMOS terwijl CMOS de eigenschap heeft trager te zijn dan de anderen. CMOS heeft het grote voordeel dat de ruststroom erg laag is, een faktor die, als het ontwerp batterijvoeding voorschrijft, CMOS bijzonder praktisch maakt.

Microprocessoromhullingen
Normaal worden microprocessorchips aan de gebruiker geleverd in een hermetisch gesloten omhulling met externe aansluitpennen waarop de elektrische aansluitingen tot stand komen. De doorsnee omhulling is ca. 5 cm lang, 1,5 cm breed en 0,3 cm dik en telt een groot aantal (gewoonlijk tot 40 maar soms ook tot 64) elektrische aansluitpennen die langs de lange zijden naar buiten komen.
Het meest voorkomende type omhulling is bekend als '*D*ual-*I*n-*L*ine' afgekort tot *DIL* of *DIP* (= *D*ual-*I*n-line *P*ackage). Hoewel microprocessorchips ook wel in andere omhullingen worden geleverd (zie voor details omtrent omhullingen *aanhangsel E* achter de tabellen), is in de praktijk de dual-in-line toch verreweg de meest voorkomende omhullingsuitvoering. Het is zelfs zo, dat vaak over 'chip' wordt gesproken terwijl DIL bedoeld wordt.
De omhullingen voor microcessorchips kunnen van plastic, keramiek, glas of metaal vervaardigd zijn. Plastic omhullingen zijn het goedkoopst en worden doorgaans voor de minst kritische toepassingen gebruikt waarbij de omgevingstemperatuur binnen het bereik van 0° en 70 °C blijft.
Keramische omhullingen (doorgaans iets duurder dan plastic) kunnen eveneens voor dergelijke niet-kritische toepassingen worden gebruikt. Voor industriële (−35 tot +85 °C) en militaire −55 tot +125 °C) toepassingen worden gewoonlijk hermetisch gesloten omhullingen vereist die vrijwel ondoordringbaar zijn voor vocht. Dit maakt gewoonlijk keramische, glazen of metalen omhullingen met een glaslas nodig wat onherroepelijk tot een veel hogere prijs voor de omhulling leidt.
Het soort omhullingsmateriaal wordt doorgaans aangegeven met een alfanumerieke code achter het typenummer. Elke fabrikant hanteert daarvoor zijn eigen codes. Tot nu toe bestaat er nog geen genormaliseerde codering voor het omhullingsmateriaal.

Leverbare typen microprocessorchips

Het is duidelijk dat de ontwerper van een familie chips voor gebruik in een microcomputer het liefst alle benodigde logische schakelingen in een enkele chip zou willen onderbrengen. Het aantal logische poortschakelingen dat op een chip van redelijke afmetingen kan worden ondergebracht wordt echter beperkt door zowel produktieopbrengsten als door het bij de omhulling praktisch uitvoerbare aantal aansluitpennen. Bij omhullingen waarvan het aantal aansluitpennen momenteel normaal beperkt is tot 64, moet de chipontwerper dan ook zijn totale ontwerp opdelen in een aantal losse chips die uiteindelijk op een print (printed circuit board) weer worden doorverbonden.

De elektronische functie zoals die door een of andere microprocessorchip wordt uitgevoerd hangt ten nauwste samen met de 'architectuur' van de microcomputer, d.w.z. hoe de verschillende secties over de individuele eenheden in de serie chips zijn verdeeld. Het gedetailleerde overzicht van toepassingen in *aanhangsel A* geeft een goede indruk van de uiteenlopende chipfuncties die in de handel zijn. Dit overzicht geeft tevens de lettercodering die daarvoor wordt gehanteerd in de tabellen waarin de voornaamste karakteristieken van leverbare microprocessorchips zijn samengebracht.

De in de handel verkrijgbare chips laten zich onderverdelen in vier hoofdgroepen die verband houden met de belangrijkste secties van een computer: (1) *centrale verwerkingseenheid;* (2) *geheugen* (wisbaar en niet-wisbaar); (3) *interne interfaces* en (4) *I/U (invoer/uitvoer)* van en naar randapparatuur.

De *centrale verwerkingseenheid* bestaat uit twee hoofdgedeelten (besturingseenheid en rekenkundig/logische eenheid) en in sommige microprocessors worden daarvoor afzonderlijke chips gebruikt. Bij de meest recente ontwerpen echter zijn alle secties van de centrale verwerkingseenheid in een single-chip CVE ondergebracht.

Een computer heeft voor de opslag van digitale informatie drie hoofdvormen van opslag (geheugen) nodig: (1) *RAM* = *R*andom *A*ccess *M*emory (vrij toegankelijk geheugen) voor het snel toegankelijk, tijdelijk opslaan en terughalen van informatie (data) ook wel lees/schrijf-geheugen genoemd; (2) *ROM* = *R*ead *O*nly *M*emory (leesgeheugen) voor permanente opslag van informatie en (3) *externe hulpgeheugens* waarbij informatie niet in een halfgeleiderchip wordt vastgelegd, maar in een extern medium zoals magneetband, magneetschijf of ponsband en waarbij de informatie slechts betrekkelijk langzaam is terug te vinden omdat de terugzoektijd op grond van mechanische overwegingen fysisch beperkt is.

Van de RAM zijn twee hoofdvormen leverbaar: statische en dynamische. Statische RAM's houden als de informatie eenmaal daarin is vastgelegd ('ingeschreven' of 'ingelezen') die informatie onbeperkt voor uitlezing gereed, mits de voedingsspanning ingeschakeld blijft. Bij dynamische RAM's daarentegen moet niet alleen de gelijkspanning ingeschakeld blijven, maar moet ook de geheugeninhoud voortdurend ververst ('refreshed') worden (d.w.z. dat alle informatie minstens 500× per seconde moet worden uitgelezen en opnieuw weer worden ingelezen). Dit kan een afzonderlijke geheugenbesturingschip nodig maken.

Tal van ROM-chips zijn zonder meer in de handel verkrijgbaar. Dat kunnen zijn:

1. *MROM = Masked ROM* (gemaskeerde ROM) waarin de data onuitwisbaar door de fabrikant wordt vastgelegd.
2. *PROM = Programmable ROM* (programmeerbare ROM) waarin de gebruiker zelf zijn data onuitwisbaar kan vastleggen, een handeling die bekend staat als het 'doorbranden' van de PROM.
3. *EPROM = Erasable PROM* (wisbare PROM) die de gebruiker zelf kan programmeren (data opslaan) door de juiste elektrische signalen op de aansluitpennen aan te sluiten en later, als hij dat wenst, de opgeslagen data weer kan wissen door de chip door een kwartsglazen venstertje bovenop de omhulling met ultraviolet licht te belichten en de EPROM daarna opnieuw met andere data te programmeren
4. *EAROM = Electrically Alterable ROM* (elektrisch veranderbare ROM) waarbij de gebruiker zonder ultraviolet licht te hoeven gebruiken de eerder opgeslagen data kan wissen en nieuwe data kan inschrijven door er de juiste signalen op aan te sluiten.

Tot de *interne interface-chips* worden uitvoeringen gerekend als verversingseenheden voor dynamische RAM's, tussengeheugens en latches, klokgeneratoren, toegangsbesturingen voor direct toegankelijke geheugens, onderbrekingsbesturingen, prioriteitonderbrekingsbesturingen, timer/tellers en schuifregisters.

I/U (invoer/uitvoer) chips zijn de schakelingen die de verbinding tussen de microprocessor en de buitenwereld tot stand brengen. De typische I/U-schakelingen zoals die momenteel in de handel zijn, zijn communicatie-interfaces, cassettebesturingen, lijndrijvers, toetsenbord codeerschakelingen en VDU-besturingen (Video Display Unit = beeldschermeenheid). Op de hiervoor behandelde chips voor centrale verwerkingseenheid en geheugens na, vormen de I/U-chips de grootste categorie als gevolg van het grote aantal verschillende soorten randapparaten dat bij een compleet microprocessorsysteem wordt gebruikt.

Naarmate de LSI fabricagetechnieken verder worden verbeterd bleek het mogelijk meer en meer functies in een enkele chip onder te brengen. Het is momenteel heel gebruikelijk om centrale verwerkingseenheid, interne interfaces en snel toegankelijke geheugens in een chip samen te brengen. Door de grote verscheidenheid van verschillende randapparaten blijft toch nog de neiging bestaan om de I/U-schakelingen op afzonderlijke chips onder te brengen. Zoekt men een microprocessorchip dan mag men zeker niet het enorme aanbod van standaard TTL en CMOS digitale IC's dat in de handel is uit het oog verliezen en dat in combinatie met de microprocessorchip kan worden gebruikt om de mogelijkheden ervan te vergroten.

Software, hardware en firmware

In een computer treft men 'hardware', 'software' en soms ook 'firmware'.

Onder hardware wordt verstaan de verschillende elektronische schakelingen en elektromechanische apparaten die ingangsdata ontvangen, opslaan en logisch verwerken en de daaruit verkregen uitvoer weer naar buiten uitvoert. Hardware kan zowel extern als intern zijn.

De externe hardware bestaat uit elektronische apparaten zoals printers, beeldschermen, toetsenborden, magneetband- of magneetschijfeenheden, ponsbandapparatuur, telex- en ponskaartapparatuur.

De interne hardware omvat alle digitale elektronische eenheden die de in de computer ingevoerde data verwerken en de daaruit verkregen resultaten naar de externe hardware uitvoeren. De interne hardware is gewoonlijk uitgevoerd in de vorm van printen waarop de elektronische componenten worden gemonteerd en op de juiste wijze elektrisch met elkaar worden doorverbonden. Met

de komst van de grootschalige integratie waarbij een groot aantal halfgeleidercomponenten op een enkele chip wordt ondergebracht, zijn die printen aanzienlijk kleiner geworden met een betrekkelijk gering aantal afzonderlijke losse ('discrete') elementen rond een klein aantal microprocessorchips.
Soms wordt het software programma in de vorm van groepen digitale bits onuitwisbaar in een LSI leesgeheugen-chip (ROM) opgeslagen. Men spreekt dan van 'firmware' omdat het een programma (software) is dat onuitwisbaar op een stukje halfgeleidermateriaal (hardware) is vastgelegd.
Meestal echter wordt het software programma; (a) vastgelegd op papier in de vorm van een lijst van geschreven instructies die door de operateur via een toetsenbord met de hand in de computer kan worden gevoerd; (b) vastgelegd op magneetband die vanaf een magneetbandlezer in de computer wordt ingevoerd (ingelezen); (c) vastgelegd in de vorm van groepen ponsgaatjes dwars over een papier- of plasticstrook die door een ponsbandlezer worden ingelezen; (d) vastgelegd in de vorm van een reeks digitale bits op een magneetschijf die via een lees/schrijfkop in de computer wordt ingelezen of (e) als gaatjes vastgelegd in ponskaarten van waaraf de informatie via een ponskaartlezer aan de computer wordt doorgegeven.
Voor de doorsnee ontwerper was 'software' tot de jaren '70 doorgaans een onbekende grootheid waarbij hij zich nog niet realiseerde dat een geheel nieuw tijdperk zijn intrede deed.
In de traditionele 'vast bedrade' of 'taakgerichte' logische systemen werden een aantal uit voorraad leverbare standaard digitale IC's en discrete halfgeleiders door middel van vaste bedrading onderling doorverbonden (meestal op een print). Elke verandering in het ontwerp had doorgaans ook tot gevolg dat de doorverbindende bedrading, en vaak ook het gebruikte IC, moest worden veranderd.
Met de nieuwe microprocessors moesten de ontwerpers zich vertrouwd maken met geheel andere ontwerpmethodieken die men 'flexibel bedrade' logica zou kunnen noemen. Hierbij wordt een heel samenstel van microprocessorchips in een vaste standaardconfiguratie onderling doorverbonden. Een dergelijke vast bedrade schakeling kan men dan verschillende functies laten uitvoeren. Niet door de bedrading te veranderen (zoals dat bij taakgerichte logica nodig was), maar door het opgeslagen programma dat de werking van de microprocessor bestuurt, te wijzigen. Per traditie waren de ontwerpers op computer gebied of hardware- of software-specialisten en maar zelden in beide disciplines ervaren. In het nieuwe microprocessortijdperk dient de ontwerper over zowel hardware- als software-vaardigheden te beschikken.

Microprocessorfamilies

Tal van halfgeleiderfabrikanten gingen zich in de jaren '70 bezighouden met het fabriceren van microprocessorchips waarbij gebruik werd gemaakt van een grote verscheidenheid aan fundamenteel verschillende ontwerpfilosofieën. Gedurende dat decennium leidde dat tot een verbreiding van tal van verschillende families van chips.
Voor de goede orde: *Aanhangsel B* vermeldt tot in detail alle chipfamilies die in de handel zijn of geweest zijn. De door de grotere halfgeleiderfabrikanten ontwikkelde typen hadden de neiging, zoals mag worden verwacht, tot industriële werkpaardjes te worden die al snel door een tweede en uiteindelijk door tal van andere fabrikanten geleverd konden worden.
Toonaangevende fabrikanten bleken met uitzondering van de geestelijke vader – INTEL (zoals al eerder gezegd) – Texas Instruments, Motorola en National te zijn waarbij ook RCA General Instruments, MOS Technology, Zilog, Fairchild, Mostek, Intersil en Rockwell het goed deden. Nemen we alle microprocessorchips die momenteel leverbaar zijn bij elkaar (afgezien van tweede leverancier en functionele equivalenten), dan bestaan er nu meer dan honderd essentiëel verschillende typen waaruit men kan kiezen. En hierin zijn niet inbegrepen de verschillende chips die alleen maar het temperatuurbereik of de snelheid van de fundamentele chip verruimen.
Microprocessorchip-families laten zich op verschillende manieren classificeren. De belangrijkste selectieparameter is wellicht wel het aantal bits waaruit een datawoord bestaat. Dit kan variëren van 1 bit (bijv. General Instrument SBA), 2 bits (bijv. Intel 3000); 4 bits (bijv. Texas Instruments TMS 1000), 8 bits (bijv. Motorola 6800) en 12 bits (bijv. Intersil 6100) tot 16 bits (bijv. Zilog Z8000). De 32-bit microprocessor zal niet eerder dan halverwege de jaren '80 haar intrede doen.
Sommige chips kunnen parallel bedreven worden zodat een systeem met een langer datawoord ontstaat. Dergelijke elementaire chips, de zogenaamde 'bit slice' typen, zijn leverbaar in 2-bit (bijv. Intel 3000); 4-bit (bijv. Texas Instruments SN74LS481) of 8-bit (bijv. Fairchild F100220) uitvoeringen. De aan het begin van de jaren '80 leverbare microprocessor-chips laten zich in drie belangrijk functionele groepen onderverdelen: (1) single chip; (2) multichip en (3) bit-slice.
Een van de belangwekkendste ontwikkelingen van de jaren '70 was de *'single-chip microcomputer'* of *'microcontroller'*. Deze is zo ontworpen dat alle interne logicaschakelingen in een enkele chip zijn ondergebracht, met inbegrip van de CVE, ROM, RAM, I/U-schakelingen en klok. Een typisch voorbeeld van deze one-chip microcontrollers is de Zilog Z8. *Tabel 1* geeft een overzicht van de momenteel in de handel verkrijgbare single-chip microcomputers.
Multi-chip microprocessors hebben om er een operationeel systeem mee op te bouwen meer dan een chip nodig. Het merendeel van de microprocessorfamilies dat momenteel leverbaar is, is van dit type. *Tabel 2* geeft hiervan een beknopt overzicht.
Dit beknopte overzicht van commerciële microprocessorchips wordt verder aangevuld met *Tabel 3* die een overzicht geeft van de *bit-slice*familie waarvan al eerder sprake was. Van de microprocessorchips maken de processors zelf natuurlijk het meest essentiële onderdeel uit, gewoonlijk aangeduid met CVE (centrale verwerkingseenheid) of MVE (microverwerkingseenheid). Meestal zijn dit de chips waarvan de totale familie is afgeleid. Zo ontleent bijvoorbeeld de '6800'-familie zijn nummer aan de MC6800 CVE hoewel voor een compleet werkend computersysteem en voor de interne hardware ook nog andere chips uit die familie nodig zijn zoals de 6810 RAM, 6820 PIA (periferie interface adapter), 6830 ROM en de 6850 CIA (communicatie interface adapter).
Is een microprocessorchip eenmaal terloops een standaard geworden en wordt deze door meer dan één fabrikant vervaardigd, dan laat men gewoonlijk alle voorvoegsels vervallen en wordt het betreffende component met alleen het numerieke gedeelte van het typenummer aangeduid. Zo is bijvoorbeeld de eerste goed bekende CVE chip wellicht de Intel C8080 die nu door de technici onder elkaar met 'tachtig-tachtig' wordt aangeduid. De al even bekende Motorola MC6800 is voor hen die ermee werken de 'achtenzestighonderd' en de TMS9900 van Texas In-

struments wordt gewoonlijk simpelweg aangeduid met 'negenennegentighonderd'.

Codering van microprocessorchip-fabrikanten
Er bestaat geen door de industrie genormaliseerd systeem van typenummers voor microprocessorchips. Elke fabrikant gebruikt zijn eigen codenummers, gewoonlijk onderscheiden door een voor hem uniek voorvoegsel.
Tal van microprocessorchips kunnen ook van een tweede leverancier betrokken worden, d.w.z. dat ze door meer dan één fabrikant vervaardigd worden. Hierbij is het gebruikelijk het numerieke gedeelte van het typenummer dat door de oorspronkelijke fabrikant aan het component werd toegekend, aan te houden. Zo verscheen bijvoorbeeld de MC6800 die voor het eerst door Motorola werd vervaardigd, later toen hij door Fairchild werd vervaardigd, onder typenummer F6800. Voorvoegsels zoals die door wel bekende microprocessorchip-leveranciers worden gebruikt zijn: Advanced Micro Devices = AM, DS, MC of geen; American Microsystems = S; Data General = MN; Electronic Arrays = EA of L; EMM-SEMI = EMM of SEMI; Fairchild = CCD, F, M of geen; Ferranti = F of ZN; General Instruments = CP, ER, IOB, LP, MUX, PIC, RA of RO; Intel = B, C, H, MD of P; Monolithic Memories = MMI of geen; MOS Technology = MCS; MOSTEK = MK; Motorola = MC, MCM, MM, MMH, MPQ of XC; National Semi conductor = INS, IDM of MM; NEC = μCOM, μPB, μPC of μPD; Philips-Signetics = GXB, GZF, HEF, N, S of geen; Raytheon = R; Siemens = HYB of SAB; Signetics (zie Philips); Synertec = SY, SYC of SYP; Texas Instruments = SBP, SN, SMC, TMS of TIM; Western Digital = FD of UC; Zilog = Z. Aanhangsel A geeft in alfabetische volgorde een overzicht van alle voorvoegsels van de coderingen van microprocessor-fabrikanten.

Tabelle 1

Tabel 1

SINGLE-CHIP MICROPROCESSORS/MICROCONTROLLERS

(1-bit Data-word)

SBA (General Instrument)

(4-bit Data-word)

TMS1000 family (Texas Instruments)
PPS-4/1 (Rockwell)
µPD545 (NEC)
COPS II – 400 family (National)
COPS I – MM5799 (National)
S2000 (American Microsystems)
CR1872 (Western Digital)
MB8840 (Fujitsu)
TCL41, 43, 45 (Toshiba)
MN1400, 1500 (Matsushita)
ITT7151 (ITT)
M58850XXP (Mitsubishi)

(8-bit Data-word)

8048 family (Intel)
3870 family (Mostek)
MC6801/5 (Motorola)
PIC1650 (General Instrument)

(8-bit Data-word – cont.)

2920 (Intel)
87C48 (Intersil)
R6500/1 (Rockwell)
Z8 (Zilog)
CDP1804 (RCA)
SMS300 (Scientific Microsystems)
INS 8070 (National)
µCOM 87

(16-bit Data-word)

MC2 (Hewlett Packard)
9940 (Texas Instruments)
1445 (NEC)

Tabelle 2

Tabel 2

MULTI-CHIP MICROPROCESSORS

(*1-bit Data-word*)

MC14500 (Motorola)

(*4-bit Data-word*)

MM5782 – COPS I (National)
PPS-4, 4/2 (Rockwell)
4040/4004 (Intel)

(*8-bit Data-word*)

8080/8085 (Intel)
MC6800/6802 (Motorola)
Z80 (Zilog)
8008 (Intel)
8060 – SC/MP II (National)
SC/MP I (National)
R6502 (Rockwell)
CDP1802 (RCA)
2650 (Signetics)
8X300 (Signetics)
F8 (3850)
LP8000 (Fairchild)
M380 (SGS/ATES)
PPS-8 (Rockwell)

(*8/16-bit Data-word = 'pseudo 16-bit'*)

MC6809 (Motorola)
8088 (Intel)
9980 (Texas)
S6516 (Synertek)
8089 (Intel)

(*12-bit Data-word*)

IM6100 (Intersil)
TLCS-12A (Toshiba)

(*16-bit Data-word*)

8086 (Intel)
MC68000 (Motorola)
Z8000 (Zilog)
TMS9900 (Texas)
T40L (Toshiba)
Micronova (Data General)
CP1600 (General Instrument)
8096 (National)
MCP1600 (Western Digital)
INS8900 = PACE, NMOS (National)
NS16000 (National)
F100L (Ferranti)
LSI-11/2 (Digital Equipment)
MN1610 (Panafacom)
PACE, PMOS (National)
SBP9900 (Texas)
MIPROC-16 (Plessey)
29116 (Advanced Micro Devices)

Tabelle 3

Tabel 3

'BIT-SLICE' MICROPROCESSORS

(2-bit Slice)

3000 (Intel)

(4-bit Slice)

SBP-0400 (Texas)
AM2900 (Advanced Micro Devices)
MC10800 (Motorola)
9440 (Fairchild)
74S481 (Texas Instruments)
6701 (Monolithic Memories)
IMP-4/8/16 (National)
F9405 (Fairchild)

(8-bit Slice)

F100220 (Fairchild)

Erklärungen zu den Tabellen

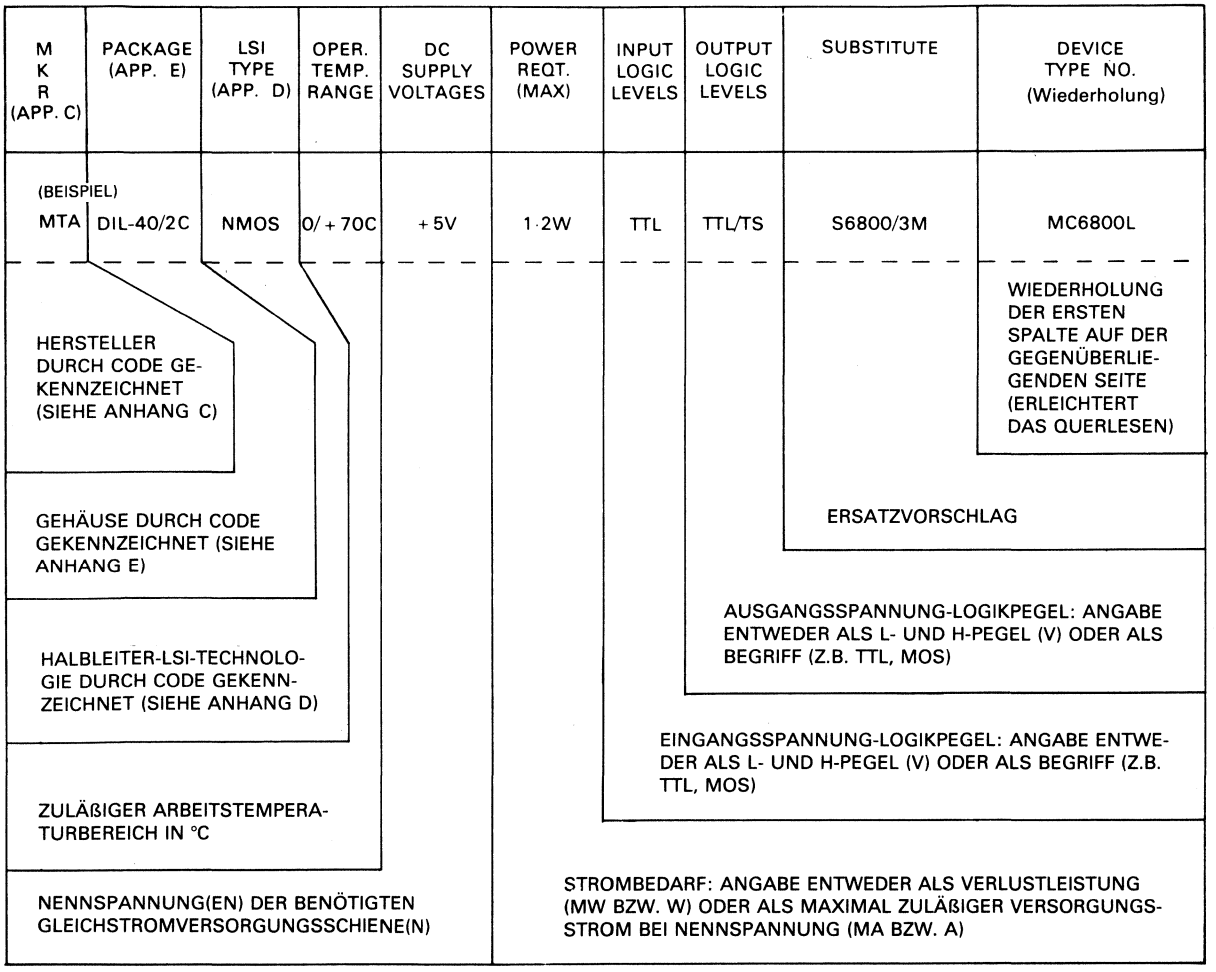
DEVICE TYPE NO.	FUNC-TION (APP. A)	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY (APP. B)
(BEISPIEL)				
MC6800L	MPU	8-BIT	CPU; 72 INSTRUCTION SET; 1MHz 2PH. CLOCK (APP. B)	6800

ALPHANUMERISCHE REIHENFOLGE

ANWENDUNG DURCH CODE GEKENNZEICHNET (SIEHE ANHANG A)

BITZAHL DES DATENWORTES

MIKROPROZESSOR-FAMILIE (SIEHE ANHANG B), MIT DER DER BAUSTEIN GEWÖHNLICH VERWENDET WIRD


M K R (APP. C)
PACKAGE (APP. E)
LSI TYPE (APP. D)
OPER. TEMP. RANGE
DC SUPPLY VOLTAGES
POWER REQT. (MAX)
INPUT LOGIC LEVELS
OUTPUT LOGIC LEVELS
SUBSTITUTE
DEVICE TYPE NO. (Wiederholung)
(BEISPIEL)
MTA
DIL-40/2C
NMOS
0/+70C
+5V
1·2W
TTL
TTL/TS
S6800/3M
MC6800L
HERSTELLER DURCH CODE GEKENNZEICHNET (SIEHE ANHANG C)
GEHÄUSE DURCH CODE GEKENNZEICHNET (SIEHE ANHANG E)
HALBLEITER-LSI-TECHNOLOGIE DURCH CODE GEKENNZEICHNET (SIEHE ANHANG D)
ZULÄßIGER ARBEITSTEMPERATURBEREICH IN °C
NENNSPANNUNG(EN) DER BENÖTIGTEN GLEICHSTROMVERSORGUNGSSCHIENE(N)
WIEDERHOLUNG DER ERSTEN SPALTE AUF DER GEGENÜBERLIEGENDEN SEITE (ERLEICHTERT DAS QUERLESEN)
ERSATZVORSCHLAG
AUSGANGSSPANNUNG-LOGIKPEGEL: ANGABE ENTWEDER ALS L- UND H-PEGEL (V) ODER ALS BEGRIFF (Z.B. TTL, MOS)
EINGANGSSPANNUNG-LOGIKPEGEL: ANGABE ENTWEDER ALS L- UND H-PEGEL (V) ODER ALS BEGRIFF (Z.B. TTL, MOS)
STROMBEDARF: ANGABE ENTWEDER ALS VERLUSTLEISTUNG (MW BZW. W) ODER ALS MAXIMAL ZULÄßIGER VERSORGUNGSSTROM BEI NENNSPANNUNG (MA BZW. A)

Toelichting op de tabellen

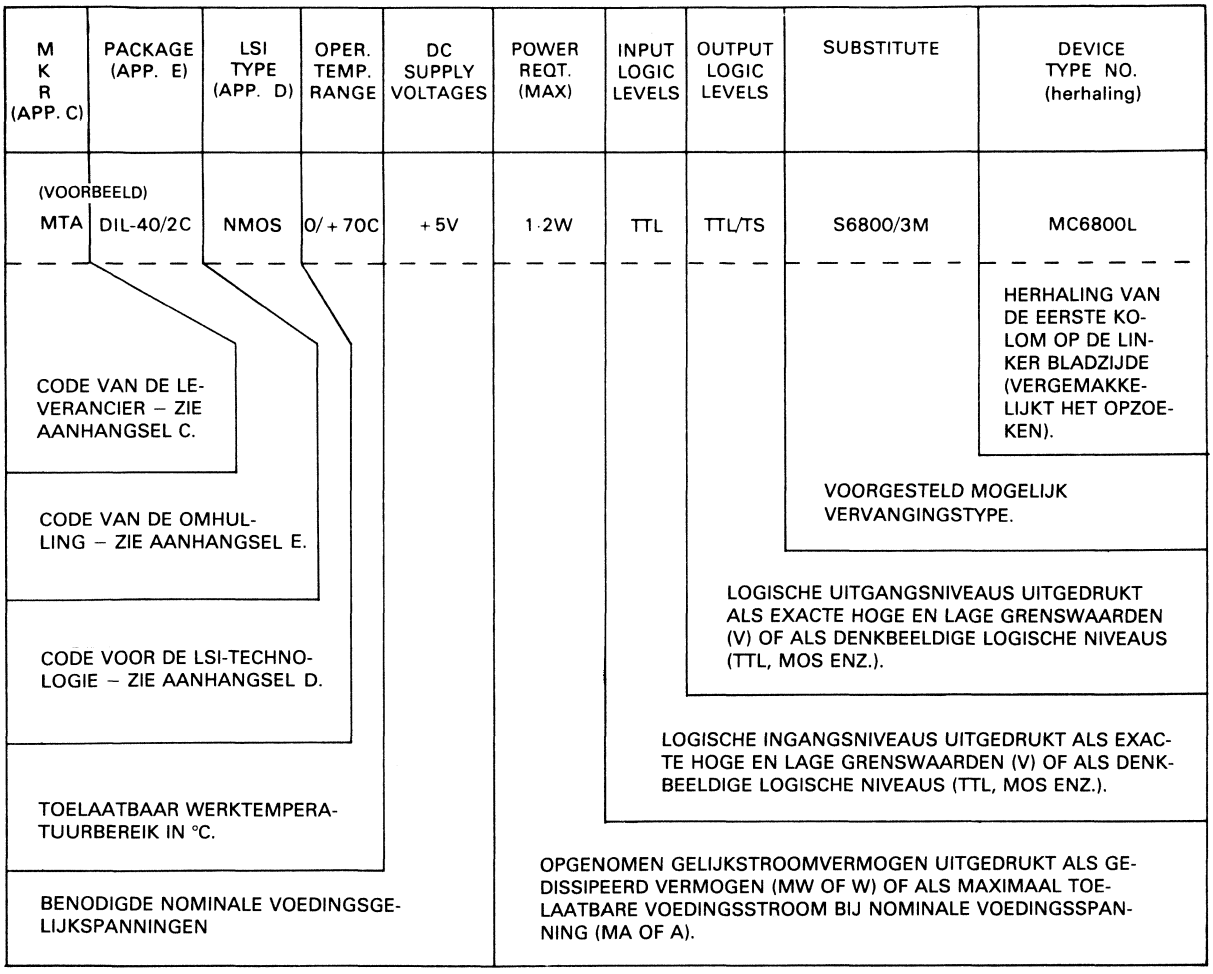
DEVICE TYPE NO.	FUNC-TION (APP. A)	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY (APP. B)
(VOORBEELD)				
MC6800L	MPU	8-BIT	CPU; 72 INSTRUCTION SET; 1MHz 2PH. CLOCK (APP. B)	6800

ALFANUMERIEKE VOLGORDE

APPLICATIE CODE ALS IN AANHANGSEL A.

AANTAL BITS IN HET DATAWOORD

VERWANTE MICROPROCESSORCHIPFAMILIE (ALS VERMELD IN AANHANGSEL B) WAARMEE DEZE CHIP MEESTAL WORDT GEBRUIKT


M K R (APP. C)
PACKAGE (APP. E)
LSI TYPE (APP. D)
OPER. TEMP. RANGE
DC SUPPLY VOLTAGES
POWER REQT. (MAX)
INPUT LOGIC LEVELS
OUTPUT LOGIC LEVELS
SUBSTITUTE
DEVICE TYPE NO. (herhaling)
(VOORBEELD)
MTA
DIL-40/2C
NMOS
0/+70C
+5V
1·2W
TTL
TTL/TS
S6800/3M
MC6800L
HERHALING VAN DE EERSTE KOLOM OP DE LINKER BLADZIJDE (VERGEMAKKELIJKT HET OPZOEKEN).
VOORGESTELD MOGELIJK VERVANGINGSTYPE.
CODE VAN DE LEVERANCIER – ZIE AANHANGSEL C.
CODE VAN DE OMHULLING – ZIE AANHANGSEL E.
CODE VOOR DE LSI-TECHNOLOGIE – ZIE AANHANGSEL D.
LOGISCHE UITGANGSNIVEAUS UITGEDRUKT ALS EXACTE HOGE EN LAGE GRENSWAARDEN (V) OF ALS DENKBEELDIGE LOGISCHE NIVEAUS (TTL, MOS ENZ.).
LOGISCHE INGANGSNIVEAUS UITGEDRUKT ALS EXACTE HOGE EN LAGE GRENSWAARDEN (V) OF ALS DENKBEELDIGE LOGISCHE NIVEAUS (TTL, MOS ENZ.).
TOELAATBAAR WERKTEMPERATUURBEREIK IN °C.
OPGENOMEN GELIJKSTROOMVERMOGEN UITGEDRUKT ALS GEDISSIPEERD VERMOGEN (MW OF W) OF ALS MAXIMAAL TOELAATBARE VOEDINGSSTROOM BIJ NOMINALE VOEDINGSSPANNING (MA OF A).
BENODIGDE NOMINALE VOEDINGSGELIJKSPANNINGEN

Tabellenwerk

Tabellen

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
A05XX	MROM	4/8BIT	8K=1024X8 MASK PROG. READ ONLY MEMORY	PPS4-8
A07XX	MEM	4-BIT	ROM-RAM/1024X8 ROM/116X4 RAM	PPS4-4/2
A08XX	MEM	4-BIT	ROM-RAM/704X8 ROM/72X4 RAM	PPS4-4/2
A17XX	RAROM	4-BIT	ROM-RAM-IO/2048X8 ROM/128X4 RAM/16 I-O PORTS	PPS-4/2
A20XX	MEM	4-BIT	ROM-RAM/12K=1536X8 ROM/512=128X4 RAM	PPS4-4/2
A21XX	RAROM	8-BIT	ROM-RAM-IO/16K=2048X8 ROM/512=64X8 RAM/17 I-O PORTS	PPS-8/2
A22XX	RAROM	8-BIT	ROM-RAM-IO/8K=1024X8 ROM/512=64X8/17 IO PORTS	PPS-8/2
A23XX	RAROM	4-BIT	ROM-RAM-IO/8K=1024X8 ROM/512=64X8/16 IO PORTS	PPS-4/2
A52XX	MROM	8-BIT	16K=2048X8 MASK PROGRAMMABLE READ ONLY MEMORY	PPS4-8
A66XX	MROM	8-BIT	32K=4096X8 MASK PROGRAMABLE READ ONLY MEMORY	PPS4-8
A76XX(MM76)	MICMP	4-BIT	MROM DEDICATED VERSION OF PPS-4/1 (MM76)	PPS-4/1
A77XX(MM77)	MICMP	4-BIT	MROM DEDICATED VERSION OF PPS-4/1 (MM77)	PPS-4/1
A78XX(MM78)	MICMP	4-BIT	MROM DEDICATED VERSION OF PPS-4/1 (MM78)	PPS-4/1
A1799	RAMIO	4-BIT	ROM-RAM-IO/DISABLED ROM/128X4 RAM/16 I-O PORTS	PPS-4/2
A2199	RAROM	8-BIT	ROM-RAM-IO/DISABLED ROM/512=64X8 RAM/17 IO PORTS/PROG. DEVELPMT.	PPS-8/2
A2399	RAROM	4-BIT	ROM-RAM-IO/DISABLED ROM/512=64X8/ 16 IO PORTS/PROG. DEVELOPMENT	PPS-4/2
A7698(MM76)	MICMP	4-BIT	PPS-4/1(MM76) ROMLESS PROTOTYPING CIRCUIT FOR PPS-4/1(MM76) CHIP	PPS-4/1
A7798(MM77)	MICMP	4-BIT	PPS-4/1(MM76) ROMLESS PROTOTYPING CIRCUIT FOR PPS-4/1(MM77) CHIP	PPS-4/1
A7898(MM78)	MICMP	4-BIT	PPS-4/1(MM78) ROMLESS PROTOTYPING CIRCUIT FOR PPS-4/1(MM78) CHIP	PPS4-1
AM25LS240ADC	BUFFR	8-BIT	OCTAL BUFFERS-LINE-DRIVERS/TWO 4-BUFFER ENABLE LINES/INVERTING	GEN. PURP.
AM25LS240ADM	BUFFR	8-BIT	OCTAL BUFFERS-LINE-DRIVERS/TWO 4-BUFFER ENABLE LINES/INVERTING	GEN. PURP.
AM25LS240APC	BUFFR	8-BIT	OCTAL BUFFERS-LINE-DRIVERS/TWO 4-BUFFER ENABLE LINES/INVERTING	GEN. PURP.
AM25LS240AXC	BUFFR	8-BIT	OCTAL BUFFERS-LINE-DRIVERS/TWO 4-BUFFER ENABLE LINES/INVERTING	GEN. PURP.
AM25LS240AXM	BUFFR	8-BIT	OCTAL BUFFERS-LINE-DRIVERS/TWO 4-BUFFER ENABLE LINES/INVERTING	GEN. PURP.
AM25LS241ADC	BUFFR	8-BIT	OCTAL BUFFERS-LINE-DRIVERS/TWO 4-BUFFER ENABLE LINES/NON-INV.	GEN. PURP.
AM25LS241ADM	BUFFR	8-BIT	OCTAL BUFFERS-LINE-DRIVERS/TWO 4-BUFFER ENABLE LINES/NON-INV.	GEN. PURP.
AM25LS241APC	BUFFR	8-BIT	OCTAL BUFFERS-LINE-DRIVERS/TWO 4-BUFFER ENABLE LINES/NON-INV.	GEN. PURP.
AM25LS241AXC	BUFFR	8-BIT	OCTAL BUFFERS-LINE-DRIVERS/TWO 4-BUFFER ENABLE LINES/NON-INV.	GEN. PURP.
AM25LS241AXM	BUFFR	8-BIT	OCTAL BUFFERS-LINE-DRIVERS/TWO 4-BUFFER ENABLE LINES/NON-INV.	GEN. PURP.
AM25LS2540DC	BUFFR	8-BIT	OCTAL-BUFFERS-LINE-DRIVERS/SEP. IP AND OP ENABLE LINES/INVERTING	GEN. PURP.
AM25LS2540DM	BUFFR	8-BIT	OCTAL-BUFFERS-LINE-DRIVERS/SEP. IP AND OP ENABLE LINES/INVERTING	GEN. PURP.
AM25LS2540PC	BUFFR	8-BIT	OCTAL-BUFFERS-LINE-DRIVERS/SEP. IP AND OP ENABLE LINES/INVERTING	GEN. PURP.
AM25LS2540XC	BUFFR	8-BIT	OCTAL-BUFFERS-LINE-DRIVERS/SEP. IP AND OP ENABLE LINES/INVERTING	GEN. PURP.
AM25LS2540XM	BUFFR	8-BIT	OCTAL-BUFFERS-LINE-DRIVERS/SEP. IP AND OP ENABLE LINES/INVERTING	GEN. PURP.
AM25LS2541DC	BUFFR	8-BIT	OCTAL-BUFFERS-LINE-DRIVERS/SEP. IP AND OP ENABLE LINES/NON-INV.	GEN. PURP.
AM25LS2541DM	BUFFR	8-BIT	OCTAL-BUFFERS-LINE-DRIVERS/SEP. IP AND OP ENABLE LINES/NON-INV.	GEN. PURP.
AM25LS2541PC	BUFFR	8-BIT	OCTAL-BUFFERS-LINE-DRIVERS/SEP. IP AND OP ENABLE LINES/NON-INV.	GEN. PURP.
AM25LS2541XC	BUFFR	8-BIT	OCTAL-BUFFERS-LINE-DRIVERS/SEP. IP AND OP ENABLE LINES/NON-INV.	GEN. PURP.
AM25LS2541XM	BUFFR	8-BIT	OCTAL-BUFFERS-LINE-DRIVERS/SEP. IP AND OP ENABLE LINES/NON-INV.	GEN. PURP.
AM27LS00ADC	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS00APC	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS00BDC	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS00DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS00DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS00FM	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS00LDC	SRAM	1-BIT	256=256X1/MAX. ACCESS 80NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS00LDM	SRAM	1-BIT	256=256X1/MAX. ACCESS 95NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS00LFM	SRAM	1-BIT	256=256X1/MAX. ACCESS 95NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS00LPC	SRAM	1-BIT	256=256X1/MAX. ACCESS 80NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS00PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01ADC	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01APC	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01BDC	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01FM	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01LDC	SRAM	1-BIT	256=256X1/MAX. ACCESS 80NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01LFM	SRAM	1-BIT	256=256X1/MAX. ACCESS 95NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01LPC	SRAM	1-BIT	256=256X1/MAX. ACCESS 80NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS01PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
AM27LS02DC	SRAM	4-BIT	64=16X4/MAX. ACCESS 55NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27LS02DM	SRAM	4-BIT	64=16X4/MAX. ACCESS 65NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27LS02FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 65NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27LS02PC	SRAM	4-BIT	64=16X4/MAX. ACCESS 55NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27LS03DC	SRAM	4-BIT	64=16X4/MAX. ACCESS 55NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27LS03DM	SRAM	4-BIT	64=16X4/MAX. ACCESS 65NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27LS03FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 65NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27LS03PC	SRAM	4-BIT	64=16X4/MAX. ACCESS 55NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27LS08DC	PROM	8-BIT	256=32X8/MAX. ACCESS 55NS/5X 1CS ADDRESS LINES	GEN. PURP.
AM27LS08DM	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/5X 1CS ADDRESS LINES	GEN. PURP.
AM27LS08FM	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/5X 1CS ADDRESS LINES	GEN. PURP.
AM27LS09DC	PROM	8-BIT	256=32X8/MAX. ACCESS 55NS/5X 1CS ADDRESS LINES	GEN. PURP.
AM27LS09DM	PROM	8-BIT	256=32X8/MAX. ACCESS 55NS/5X 1CS ADDRESS LINES	GEN. PURP.
AM27LS09FM	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/5X 1CS ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ROK		PMOS	0C/+70C	-15V		PMOS	PMOS		A05XX
ROK		PMOS	0C/+70C	-15V		PMOS	PMOS		A07XX
ROK		PMOS	0C/+70C	-15V		PMOS	PMOS		A08XX
ROK		PMOS	0C/+70C	-15V		PMOS	PMOS		A17XX
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		A20XX
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		A21XX
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		A22XX
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		A23XX
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		A52XX
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		A66XX
ROK	QIL-42/1	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		A76XX(MM76)
ROK	QIL-42/1	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		A77XX(MM77)
ROK	QIL-42/1	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		A78XX(MM78)
ROK		PMOS	0C/+70C	-15V		PMOS	PMOS		A1799
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		A2199
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		A2399
ROK	QIL-42/1	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		A7698(MM76)
ROK	QIL-42/1	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		A7798(MM77)
ROK	QIL-42/1	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		A7898(MM78)
ADM	DIL-20/1C	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS240ADC
ADM	DIL-20/1C	LSTB	-55C/+125C	+5V		TTL	TTL-TS		AM25LS240ADM
ADM	DIL-20/1P	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS240APC
ADM	CHP	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS240AXC
ADM	CHP	LSTB	-55C/+125C	+5V		TTL	TTL/TS		AM25LS240AXM
ADM	DIL-20/1C	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS241ADC
ADM	DIL-20/1C	LSTB	-55C/+125C	+5V		TTL	TTL/TS		AM25LS241ADM
ADM	DIL-20/1P	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS241APC
ADM	CHP	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS241AXC
ADM	CHP	LSTB	-55C/+125C	+5V		TTL	TTL/TS		AM25LS241AXM
ADM	DIL-20/1C	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS2540DC
ADM	DIL-20/1C	LSTB	-55C/+125C	+5V		TTL	TTL/TS		AM25LS2540DM
ADM	DIL-20/1P	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS2540PC
ADM	CHP	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS2540XC
ADM	CHP	LSTB	-55C/+125C	+5V		TTL	TTL/TS		AM25LS2540XM
ADM	DIL-20/1C	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS2541DC
ADM	DIL-20/1C	LSTB	-55C/+125C	+5V		TTL	TTL/TS		AM25LS2541DM
ADM	DIL-20/1P	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS2541PC
ADM	CHP	LSTB	0C/+70C	+5V		TTL	TTL/TS		AM25LS2541XC
ADM	CHP	LSTB	-55C/+125C	+5V		TTL	TTL/TS		AM25LS2541XM
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	525MXMW	TTL	TTL/TS		AM27LS00ADC
ADM	DIL-16/1P	LSTB	0C/+75C	+5V	525MXMW	TTL	TTL/TS		AM27LS00APC
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	235MXMW	TTL	TTL/TS		AM27LS00BDC
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	370MXMW	TTL	TTL/TS		AM27LS00DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	385MXMW	TTL	TTL/TS		AM27LS00DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	385MXMW	TTL	TTL/TS		AM27LS00FM
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	160MXMW	TTL	TTL/TS		AM27LS00LDC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	165MXMW	TTL	TTL/TS		AM27LS00LDM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	165MXMW	TTL	TTL/TS		AM27LS00LFM
ADM	DIL-16/1P	LSTB	0C/+75C	+5V	160MXMW	TTL	TTL/TS		AM27LS00LPC
ADM	DIL-16/1P	LSTB	0C/+75C	+5V	370MXMW	TTL	TTL/TS		AM27LS00PC
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	525MXMW	TTL	TTL/OC		AM27LS01ADC
ADM	DIL-16/1P	LSTB	0C/+75C	+5V	525MXMW	TTL	TTL/OC		AM27LS01APC
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	235MXMW	TTL	TTL/OC		AM27LS01BDC
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	370MXMW	TTL	TTL/OC		AM27LS01DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	385MXMW	TTL	TTL/OC		AM27LS01DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	385MXMW	TTL	TTL/OC		AM27LS01FM
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	160MXMW	TTL	TTL/OC		AM27LS01LDC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	385MXMW	TTL	TTL/OC		AM27LS01DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	165MXMW	TTL	TTL/OC		AM27LS01LFM
ADM	DIL-16/1P	LSTB	0C/+75C	+5V	160MXMW	TTL	TTL/OC		AM27LS01LPC
ADM	DIL-16/1P	LSTB	0C/+75C	+5V	370MXMW	TTL	TTL/OC		AM27LS01PC
ADM	DIL-16/1C	LSTB	0C/+70C	+5V	185MXMW	TTL	TTL/OC		AM27LS02DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	210MXMW	TTL	TTL/OC		AM27LS02DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	210MXMW	TTL	TTL/OC		AM27LS02FM
ADM	DIL-16/1P	LSTB	0C/+75C	+5V	185MXMW	TTL	TTL/OC		AM27LS02PC
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	185MXMW	TTL	TTL/TS		AM27LS03DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	210MXMW	TTL	TTL/TS		AM27LS03DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	210MXMW	TTL	TTL/TS		AM27LS03FM
ADM	DIL-16/1P	LSTB	0C/+75C	+5V	185MXMW	TTL	TTL/TS		AM27LS03PC
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	420MXMW	TTL	TTL/OC		AM27LS08DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	440MXMW	TTL	TTL/OC		AM27LS08DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	440MXMW	TTL	TTL/OC		AM27LS08FM
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	420MXMW	TTL	TTL/TS		AM27LS09DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	420MXMW	TTL	TTL/TS		AM27LS09DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	440MXMW	TTL	TTL/TS		AM27LS09FM

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
AM27LS10DC	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
AM27LS10DM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
AM27LS10FM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
AM27LS11DC	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
AM27LS11DM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
AM27LS11FM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
AM27LS12DC	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS	GEN. PURP.
AM27LS12DM	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS	GEN. PURP.
AM27LS13DC	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS	GEN. PURP.
AM27LS13DM	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS	GEN. PURP.
AM27S02ADC	SRAM	4-BIT	64=16X4/MAX. ACCESS 25NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S02ADM	SRAM	4-BIT	64=16X4/MAX. ACCESS 30NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S02AFM	SRAM	4-BIT	64=16X4/MAX. ACCESS 30NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S02APC	SRAM	4-BIT	64=16X4/MAX. ACCESS 25NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S02DC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S02DM	SRAM	4-BIT	64=16X4/MAX. ACCESS 45NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S02FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 45NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S02PC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S03ADC	SRAM	4-BIT	64=16X4/MAX. ACCESS 25NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S03ADM	SRAM	4-BIT	64=16X4/MAX. ACCESS 30NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S03AFM	SRAM	4-BIT	64=16X4/MAX. ACCESS 30NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S03APC	SRAM	4-BIT	64=16X4/MAX. ACCESS 25NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S03DC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S03DM	SRAM	4-BIT	64=16X4/MAX. ACCESS 45NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S03FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 45NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S03PC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4X 1CS ADDRESS LINES	GEN. PURP.
AM27S08DC	PROM	8-BIT	256=32X8/MAX. ACCESS 55NS/5X 1CS ADDRESS LINES	GEN. PURP.
AM27S08DC	PROM	8-BIT	256=32X8/MAX. ACCESS 55NS/5X 1CS ADDRESS LINES	GEN. PURP.
AM27S08DM	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/5X 1CS ADDRESS LINES	GEN. PURP.
AM27S09DC	PROM	8-BIT	256=32X8/MAX. ACCESS 55NS/5X 1CS ADDRESS LINES	GEN. PURP.
AM27S09DM	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/5X 1CS ADDRESS LINES	GEN. PURP.
AM27S10DC	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
AM27S10DM	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
AM27S11DC	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
AM27S11DM	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
AM27S80DC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
AM27S80DM	MROM	8-BIT	8K=1024X8/MAX. ACCESS 275NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
AM27S80XC	MROM	8-BIT	8K=1024X1/MAX. ACCESS 175NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
AM27S81DC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
AM27S81DM	MROM	8-BIT	8K=1024X8/MAX. ACCESS 275NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
AM27S81XC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
AM29LS18DC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/LOW POWER AM2918DC	2900
AM29LS18DM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/LOW POWER AM2918DM	2900
AM29LS18FM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/LOW POWER AM2918FM	2900
AM29LS18PC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/LOW POWER AM2918PC	2900
AM29LS18XC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/LOW POWER AM2918XC	2900
AM29LS18XM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/LOW POWER AM2918XM	2900
AM54LS181J	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM54LS181W	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM54LS181X	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM54S181J	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM54S181W	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM54S181X	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM54S189J	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS,1CE LINES	GEN. PURP.
AM54S189W	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS,1CE LINES	GEN. PURP.
AM54S289J	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS,1CE LINES	GEN. PURP.
AM54S289W	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS,1CE LINES	GEN. PURP.
AM66L88	ADCVR	4-BIT	HIGH SPEED 4-BIT QUANTIZER/LOW POWER/30MHZ TYP. SAMPLING	GEN. PURP.
AM74LS181J	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM74LS181N	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM74LS181X	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM74S181J	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM74S181N	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM74S181X	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
AM74S189J	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS,1CE LINES	GEN. PURP.
AM74S189N	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS,1CE LINES	GEN. PURP.
AM74S289J	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS,1CE LINES	GEN. PURP.
AM91L01ADC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L01ADM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L01AFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L01APC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L01BDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L01BDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L01BFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS	GEN. PURP.
AM91L01BPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	420MXMW	TTL	TTL/OC		AM27LS10DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	440MXMW	TTL	TTL/OC		AM27LS10DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	440MXMW	TTL	TTL/OC		AM27LS10FM
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	420MXMW	TTL	TTL/TS		AM27LS11DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	440MXMW	TTL	TTL/TS		AM27LS11DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	440MXMW	TTL	TTL/TS		AM27LS11FM
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	525MXMW	TTL	TTL/OC		AM27LS12DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	550MXMW	TTL	TTL/OC		AM27LS12DM
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	525MXMW	TTL	TTL/TS		AM27LS13DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	550MXMW	TTL	TTL/TS		AM27LS13DM
ADM	DIL-16/1C	STLB	0C/+75C	+5V	525MXMW	TTL	TTL/OC		AM27S02ADC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	550MXMW	TTL	TTL/OC		AM27S02ADM
ADM	FLP-16/3C	STLB	-55C/+125C	+5V	580MXMW	TTL	TTL/OC		AM27S02AFM
ADM	DIL-16/1P	STLB	0C/+75C	+5V	525MXMW	TTL	TTL/OC		AM27S02APC
ADM	DIL-16/1C	STLB	0C/+75C	+5V	550MXMW	TTL	TTL/OC		AM27S02DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	580MXMW	TTL	TTL/OC		AM27S02DM
ADM	FLP-16/3C	STLB	-55C/+125C	+5V	580MXMW	TTL	TTL/OC		AM27S02FM
ADM	DIL-16/1P	STLB	0C/+75C	+5V	550MXMW	TTL	TTL/OC		AM27S02PC
ADM	DIL-16/1C	STLB	0C/+75C	+5V	525MXMW	TTL	TTL/TS		AM27S03ADC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	550MXMW	TTL	TTL/TS		AM27S03ADM
ADM	FLP-16/3C	STLB	-55C/+125C	+5V	580MXMW	TTL	TTL/TS		AM27S03AFM
ADM	DIL-16/1P	STLB	0C/+75C	+5V	525MXMW	TTL	TTL/TS		AM27S03APC
ADM	DIL-16/1C	STLB	0C/+75C	+5V	550MXMW	TTL	TTL/TS		AM27S03DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	580MXMW	TTL	TTL/TS		AM27S03DM
ADM	FLP-16/3C	STLB	-55C/+125C	+5V	580MXMW	TTL	TTL/TS		AM27S03FM
ADM	DIL-16/1P	STLB	0C/+70C	+5V	550MXMW	TTL	TTL/TS		AM27S03PC
ADM	DIL-16/1C	STLB	0C/+75C	+5V	100MXMA	TTL	TTL/OC		AM27S08DC
ADM	DIL-16/1C	STLB	0C/+75C	+5V	500MXMW	TTL	TTL/OC		AM27S08DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	100MXMA	TTL	TTL/OC		AM27S08DM
ADM	DIL-16/1C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS		AM27S09DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		AM27S09DM
ADM	DIL-16/1C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/OC		AM27S10DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC		AM27S10DM
ADM	DIL-16/1C	STLB	0C/+75C	+5V	120MXMA	TTL	TTL/TS		AM27S11DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS		AM27S11DM
ADM	DIL-24/2C	STLB	0C/+75C	+5V	895MXMW	TTL	TTL/OC		AM27S80DC
ADM	DIL-24/2C	STLB	-55C/+125C	+5V	935MXMW	TTL	TTL/OC		AM27S80DM
ADM	CHP	STLB	0C/+75C	+5V	895MXMW	TTL	TTL/OC		AM27S80XC
ADM	DIL-24/2C	STLB	0C/+75C	+5V	895MXMW	TTL	TTL/TS		AM27S81DC
ADM	DIL-24/2C	STLB	-55C/+125C	+5V	935MXMW	TTL	TTL/TS		AM27S81DM
ADM	CHP	STLB	0C/+75C	+5V	895MXMW	TTL	TTL/TS		AM27S81XC
ADM	DIL-16/1C	LSTB	0C/+70C	+5V	28MXMA	TTL	TTL/TS		AM29LS18DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	28MXMA	TTL	TTL/TS		AM29LS18DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	28MXMA	TTL	TTL/TS		AM29LS18FM
ADM	DIL-16/1P	LSTB	0C/+70C	+5V	28MXMA	TTL	TTL/TS		AM29LS18PC
ADM	CHP	LSTB	0C/+70C	+5V	28MXMA	TTL	TTL/TS		AM29LS18XC
ADM	CHP	LSTB	-55C/+125C	+5V	28MXMA	TTL	TTL/TS		AM29LS18XM
ADM	DIL-24/2C	LSTB	-55C/+125C	+5V	35MXMA	TTL	TTL		AM54LS181J
ADM	FLP-24/4C	LSTB	-55C/+125C	+5V	35MXMA	TTL	TTL		AM54LS181W
ADM	CHIP-DICE	LSTB	-55C/+125C	+5V	35MXMA	TTL	TTL		AM54LS181X
ADM	DIL-24/2C	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/OC		AM54S181J
ADM	FLP-24/4C	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/OC		AM54S181W
ADM	CHIP-DICE	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/OC		AM54S181X
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS	DM54S189J	AM54S189J
ADM	FLP-16/3C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		AM54S189W
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC	SN54S289J	AM54S289J
ADM	FLP-16/3G	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC	SN54S289W	AM54S289W
ADM	DIL-16/1C	NMOS	0C/+70C	-5V/+6V	550TPMW		ECL		AM66L88
ADM	DIL-24/2C	LSTB	0C/+70C	+5V	37MXMA	TTL	TTL	AM74LS181N	AM74LS181J
ADM	DIL-24/2C	LSTB	0C/+70C	+5V	37MXMA	TTL	TTL	AM74LS181J	AM74LS181N
ADM	CHIP-DICE	LSTB	0C/+70C	+5V	37MXMA	TTL	TTL		AM74LS181X
ADM	DIL-24/2C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/OC	AM74S181N	AM74S181J
ADM	DIL-24/2P	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/OC	AM74S181J	AM74S181N
ADM	CHIP-DICE	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/OC		AM74S181X
ADM	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	DM74S189J	AM74S189J
ADM	DIL-16/1P	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	SN74S189N	AM74S189N
ADM	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	SN74S289J	AM74S289J
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	AM91L01BDC	AM91L01ADC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS	AM91L01BDM	AM91L01ADM
ADM	FLP-24/3C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS	AM9101BFM	AM91L01AFM
ADM	DIL-22/4P	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	AM91L01APC	AM91L01APC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	AM91L01CDC	AM91L01BDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS	AM91L01CDM	AM91L01BDM
ADM	FLP-24/3C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS		AM91L01BFM
ADM	DIL-22/4P	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS		AM91L01BPC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
AM91L01CDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L01CDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L01CPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L02ADC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02ADM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02AFM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02APC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02BDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02BDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02BFM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02BPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02CDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02CDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02CPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L02PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM91L11ADC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L11ADM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L11AFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L11APC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L11BDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L11BDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L11BPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L11BFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L11CDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L11CDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L11CPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM91L12ADC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM91L12ADM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM91L12AFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM91L12APC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
AM91L12BDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM91L12BDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM91L12BFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM91L12BPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM91L12CDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM91L12CDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM91L12CPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM91L30ADC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 500NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM91L30ADM	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 500NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM91L30BDC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 400NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM91L30BDM	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 400NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
AM91L30CDC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM91L30CDM	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM91L30DDC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM91L31CDC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS	GEN. PURP.
AM91L31CDM	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS	GEN. PURP.
AM91L31DDC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS	GEN. PURP.
AM91L40ADC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 500NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
AM91L40ADM	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 500NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
AM91L40BDC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 400NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
AM91L40BDM	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 400NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
AM91L40CDC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
AM91L40CDM	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
AM91L40DDC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
AM1101A	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM1101A1	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/ 4X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM1101A1PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/ 4X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM1101A51	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM1101ADM	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM1101APC	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM1101AXC	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM1488PC	DRVR	4-BIT	QUAD EIA LINE DRIVER/RS232C-CCITT-V24	GEN. PURP.
AM1488XC	DRVR	4-BIT	QUAD EIA LINE DRIVER/RS232C-CCITT-V24	GEN. PURP.
AM1489APC	RCVR	4-BIT	QUAD EIA LINE RECEIVER/SINGLE ENDED/RS232C/PROGRAMM. THRESHOLD	GEN. PURP.
AM1489AXC	RCVR	4-BIT	QUAD EIA LINE RECEIVER/SINGLE ENDED/RS232C/PROGRAMM. THRESHOLD	GEN. PURP.
AM1489PC	RCVR	4-BIT	QUAD EIA LINE RECEIVER/SINGLE ENDED/RS232C/PROGRAMM. THRESHOLD	GEN. PURP.
AM1489XC	RCVR	4-BIT	QUAD EIA LINE RECEIVER/SINGLE ENDED/RS232C/PROGRAMM. THRESHOLD	GEN. PURP.
AM1603X	RCVR	2-BIT	DUAL 3-STATE LINE RECEIVER	GEN. PURP.
AM1702A-1C	EPROM	8-BIT	2K=256X8/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
AM1702A-2C	EPROM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.
AM1702AC	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS, 1CS LINES	GEN. PURP.
AM1702AE	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS 1CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	34MXMA	TTL	TTL/TS		AM91L01CDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	34MXMA	TTL	TTL/TS		AM91L01CDM
ADM	DIL-22/4P	NMOS	0C/+70C	+5V	34MXMA	TTL	TTL/TS		AM91L01CPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	28MXMA	TTL	TTL/TS	AM91L02BDC	AM91L02ADC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	28MXMA	TTL	TTL/TS	AM91L02BDM	AM91L02ADM
ADM	FLP-16/4C	NMOS	-55C/+125C	+5V	28MXMA	TTL	TTL/TS	AM91L02BFM	AM91L02AFM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	28MXMA	TTL	TTL/TS	AM91L02BPC	AM91L02APC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	28MXMA	TTL	TTL/TS	AM91L02CDC	AM91L02BDC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	28MXMA	TTL	TTL/TS	AM91L02CDM	AM91L02BDM
ADM	FLP-16/4C	NMOS	-55C/+125C	+5V	28MXMA	TTL	TTL/TS		AM91L02BFM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	28MXMA	TTL	TTL/TS	AM91L02CPC	AM91L02BPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	AM91L02CDM	AM91L02CDC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS	AM91L02CDM	AM91L02CDM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	AM91L02DC	AM91L02CPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	28MXMA	TTL	TTL/TS	AM91L02CPC	AM91L02DC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	28MXMA	TTL	TTL/TS		AM91L02DM
ADM	FLP-16/4C	NMOS	-55C/+125C	+5V	28MXMA	TTL	TTL/TS		AM91L02FM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	28MXMA	TTL	TTL/TS	AM91L02ADC	AM91L02PC
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	D2111A	AM91L11ADC
ADM	DIL-18/1C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS	MD2111A	AM91L11ADM
ADM	FLP-16/4C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS		AM91L11AFM
ADM	DIL-18/1P	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	P2111A-4	AM91L11APC
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	D2111A-4	AM91L11BDC
ADM	DIL-18/1C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS	MD2111A	AM91L11BDM
ADM	DIL-18/1P	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	P2111A	AM91L11BPC
ADM	FLP-16/4C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS		AM91L11BFM
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	34MXMA	TTL	TTL/TS	D2111A-2	AM91L11CDC
ADM	DIL-18/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS		AM91L11CDM
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	34MXMA	TTL	TTL/TS	D2111A-2	AM91L11CPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	D2112A-4	AM91L12ADC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS	D2112A-4	AM91L12ADM
ADM	FLP-16/3C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS		AM91L12AFM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	P2112A-4	AM91L12APC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	D2112A	AM91L12BDC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS	MD2112A	AM91L12BDM
ADM	FLP-16/3C	NMOS	-55C/+125C	+5V	31MXMA	TTL	TTL/TS		AM91L12BFM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	31MXMA	TTL	TTL/TS	P2112A	AM91L12BPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	34MXMA	TTL	TTL/TS	D2112A-2	AM91L12CDC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	34MXMA	TTL	TTL/TS	MD2112A-2	AM91L12CDM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	34MXMA	TTL	TTL/TS	P2112A-2	AM91L12CPC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	AM91L30BDC	AM91L30ADC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	60MXMA	TTL	TTL/TS	AM91L30BDM	AM91L30ADM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	AM91L30CDC	AM91L30BDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	60MXMA	TTL	TTL/TS	AM91L30CDM	AM91L30BDM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	AM91L30DDC	AM91L30CDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	60MXMA	TTL	TTL/TS		AM91L30CDM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	AM9130EDC	AM91L30DDC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS		AM91L31CDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	367MXMW	TTL	TTL/TS		AM91L31CDM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS		AM91L31DDC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	AM91L40BDC	AM91L40ADC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	367MXMW	TTL	TTL/TS	AM91L40BDM	AM91L40ADM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	AM91L40CDC	AM91L40BDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	367MXMW	TTL	TTL/TS	AM91L40CDM	AM91L40BDM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	AM91L40DDC	AM91L40CDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	367MXMW	TTL	TTL/TS		AM91L40CDM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	AM9140EDC	AM91L40DDC
ADM	DIL-16/1C	PMOS	0C/+75C	-9V/+5V	35MXMA	TTL	TTL/TS	C1101A	AM1101A
ADM	DIL-16/1C	PMOS	0C/+75C	-9V/+5V	24MXMA	TTL	TTL/TS	C1101A1	AM1101A1
ADM	DIL-16/1P	PMOS	0C/+75C	-9V/+5V	24MXMA	TTL	TTL/TS	P1101A1	AM1101A1PC
ADM	DIL-16/1C	PMOS	-55C/+125C	-10V/+5V	35MXMA	TTL	TTL/TS	AM1101ADM	AM1101A51
ADM	DIL-16/1C	PMOS	-55C/+125C	-9V/+5V	35MXMA	TTL	TTL/TS	AM1101A51	AM1101ADM
ADM	DIL-16/1P	PMOS	0C/+75C	-9V/+5V	35MXMA	TTL	TTL/TS	P1101A	AM1101APC
ADM	CHIP-DICE	PMOS	0C/+70C	-9V/+5V	24MXMA	TTL	TTL/TS		AM1101AXC
ADM	DIL-14/1P		0C/+70C	-9V/+9V			+-6/9V		AM1488PC
ADM	CHIP-DICE		0C/+70C	-9V/+9V			+-6/9V		AM1488XC
ADM	DIL-14/1P		0C/+70C	+5V		0.75V/1.5V			AM1489APC
ADM	CHIP-DICE		0C/+70C	+5V		0.75V/1.5V			AM1489AXC
ADM	DIL-14/1P		0C/+70C	+5V		0.75V/1.5V			AM1489PC
ADM	CHIP-DICE		0C/+70C	+5V		0.75V/1.5V			AM1489XC
ADM	CHIP-DICE	TTLB	-55C/+125C	-5V/+5V		25MV	TTL/TS	DS1603(NAT)	AM1603X
ADM	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	676MXMW	TTL	TTL/TS		AM1702A-1C
ADM	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	676MXMW	TTL	TTL/TS		AM1702A-2C
ADM	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS	C1702A	AM1702AC
ADM	DIL-24/2Q	PMOS	-40C/+85C	-9V/+5V	50MXMA	TTL	TTL/TS		AM1702AE

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
AM1702AL-1C	EPROM	8-BIT	2K=256X8/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
AM1702AL-2C	EPROM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.
AM1702ALC	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS, 1CS LINES	GEN. PURP.
AM1702DC	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS, 1CS LINES	GEN. PURP.
AM1702-IDC	EPROM	8-BIT	2K=256X8/MAX. ACCESS 750NS/8 ADDRESS, 1CS LINES	GEN. PURP.
AM2708C	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM2708M	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM2901ADC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/15MHZ CLOCK/2900 FAM.	2900
AM2901ADM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/12MHZ CLOCK/2900 FAM.	2900
AM2901AFM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/12MHZ CLOCK/2900 FAM.	2900
AM2901APC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/15MHZ CLOCK/2900 FAM.	2900
AM2901AXC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/15MHZ CLOCK/2900 FAM.	2900
AM2901DC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/8.3MHZ CLOCK/2900 FAM	2900
AM2901DM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/8.3MHZ CLOCK/2900 FAM.	2900
AM2901FM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/8.3MHZ CLOCK/2900 FAM.	2900
AM2901PC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/9.5MHZ CLOCK/2900 FAM.	2900
AM2901XC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/9.5MHZ CLOCK	2900
AM2901XM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/8.3MHZ CLOCK/2900 FAM	2900
AM2902DC	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
AM2902DM	LAHCG	4-BIT	LOOK AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
AM2902FM	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
AM2902PC	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
AM2902XC	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
AM2902XM	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
AM2903DM	CPEBS	4-BIT	MICROPROCESSOR 4-BIT SLICE/ARITHMETIC UNIT/16 REG./MULT.-DIVIDE	2900
AM2903PC	CPEBS	4-BIT	MICROPROCESSOR 4-BIT SLICE/ARITHMETIC UNIT/16 REG./MULT.-DIVIDE	2900
AM2905DC	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
AM2905DM	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
AM2905FM	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
AM2905PC	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
AM2905XC	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
AM2905XM	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
AM2906FM	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
AM2906PC	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
AM2906XC	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
AM2906XM	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
AM2906DC	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
AM2906DM	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
AM2907DC	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
AM2907DM	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
AM2907FM	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
AM2907PC	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
AM2907XC	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
AM2907XM	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
AM2909DC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2909DM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2909FM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2909PC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2909XC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2909XM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2911DC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2911DM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2911FM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2911PC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2911XC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2911XM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
AM2913DC	ITRPC	.	PRIORITY INTERRUPT EXPANDER FOR AM2914	2900
AM2913DM	ITRPC	.	PRIORITY INTERRUPT EXPANDER FOR AM2914	2900
AM2913FM	ITRPC	.	PRIORITY INTERRUPT EXPANDER FOR AM2914	2900
AM2913PC	ITRPC	.	PRIORITY INTERRUPT EXPANDER FOR AM2914	2900
AM2913XC	ITRPC	.	PRIORITY INTERRUPT EXPANDER FOR AM2914	2900
AM2913XM	ITRPC	.	PRIORITY INTERRUPT EXPANDER FOR AM2914	2900
AM2914DC	ITRPC	.	VECTORED PRIORITY INTERRUPT ENCODER	2900
AM2914DM	ITRPC	.	VECTORED PRIORITY INTERRUPT ENCODER	2900
AM2914FM	ITRPC	.	VECTORED PRIORITY INTERRUPT ENCODER	2900
AM2914PC	ITRPC	.	VECTORED PRIORITY INTERRUPT ENCODER	2900
AM2914XC	ITRPC	.	VECTORED PRIORITY INTERRUPT ENCODER	2900
AM2914XM	ITRPC	.	VECTORED PRIORITY INTERRUPT ENCODER	2900
AM2915DC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
AM2915DM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
AM2915FM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
AM2915PC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
AM2915XC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
AM2915XM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
AM2916DC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ADM	DIL-24/2C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL	MC2916ALM	AM2916DM
ADM	FLP-24/3C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL	MC2916AFM	AM2916FM
ADM	DIL-24/2P	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	MC2916LC	AM2916PC
ADM	CHP	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	MCC2916C	AM2916XC
ADM	CHP	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL		AM2916XM
ADM	DIL-20/1C	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL	MC2917ALC	AM2917DC
ADM	DIL-20/1C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL	MC2917ALM	AM2917DM
ADM	FLP-20/3C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL	MC2917AFM	AM2917FM
ADM	DIL-20/1C	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL	MC2917APC	AM2917PC
ADM	CHP	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL	MCC2917C	AM2917XC
ADM	CHP	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL		AM2917XM
ADM	DIL-16/1C	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	MC2918LC	AM2918DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	MC2918LM	AM2918DM
ADM	FLP-16/3C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	MC2918FM	AM2918FM
ADM	DIL-16/1P	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	MC2918PC	AM2918PC
ADM	CHP	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	MCC2918C	AM2918XC
ADM	CHP	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS		AM2918XM
ADM	DIL-16/1C	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS+TS	29LS19JC	AM2919DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS+TS	29LS19JM	AM2919DM
ADM	DIL-16/1P	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS+TS	29LS19NC	AM2919PC
ADM	CHP	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS+TS		AM2919XC
ADM	CHP	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS+TS		AM2919XM
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	CM3101A	AM3101AFM
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	CM3101	AM3101FM
ADM	DIL-24/2C	NMOS	0C/+70C	+5V		TTL	TTL	3514	AM3514CC
ADM	DIL-24/2P	NMOS	0C/+70C	+5V		TTL	TTL	3514	AM3514PC
ADM	DIL-18/1C		0C/+70C	-15V/+15V	192MXMW	TTL		AM6070ADM	AM6070ADC
ADM	DIL-18/1C		-55C/+125C	-15V/+15V	192MXMW	TTL			AM6070ADM
ADM	DIL-18/1C		0C/+70C	-15V/+15V	192MXMW	TTL		AM6070ADC	AM6070DC
ADM	DIL-18/1C		-55C/+125C	-15V/+15V	192MXMW	TTL		AM6070ADM	AM6070DM
ADM	DIL-18/1C		0C/+70C	-15V/+15V	192MXMW	TTL		AM6071ADM	AM6071ADC
ADM	DIL-18/1C		-55C/+125C	-15V/+15V	192MXMW	TTL			AM6071ADM
ADM	DIL-18/1C		0C/+70C	-15V/+15V	192MXMW	TTL		AM6071ADC	AM6071DC
ADM	DIL-18/1C		-55C/+125C	-15V/+15V	192MXMW	TTL		AM6071ADM	AM6071DM
ADM	DIL-18/1C		0C/+70C	-15V/+15V	192MXMW	TTL		AM6072DM	AM6072DC
ADM	DIL-18/1C		-55C/+125C	-15V/+15V	192MXMW	TTL			AM6072DM
ADM	DIL-18/1C		0C/+70C	-15V/+15V	192MXMW	TTL		AM6073DM	AM6073DC
ADM	DIL-18/1C		-55C/+125C	-15V/+15V	192MXMW	TTL			AM6073DM
ADM	DIL-16/1C	NMOS	0C/+70C	-5V/+6V	850TPMW		ECL		AM6688
ADM	DIL-16/1C	TTLB	0C/+70C	+5V	550MXMW	TTL	TTL/OC	DM7489J	AM7489J
ADM	DIL-16/1P	TTLB	0C/+70C	+5V	550MXMW	TTL	TTL/OC	DM7489J	AM7489N
ADM	DIL-16/1C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	DM7599J	AM7599J
ADM	FLP-16/4C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	DM7599W	AM7599W
ADM	DIL-40/2C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL	D8041	AM8041DC
ADM	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	D8048	AM8048DC
ADM	DIL-40/2C	NMOS	0C/+75C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	MD8080A	AM8080A
ADM	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	MD8080A-1	AM8080A-1DM
ADM	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS	MD8080A-2	AM8080A-2DM
ADM	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS	MD8080A	AM8080ADM
ADM	DIL-40/2C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	D8085A	AM8080ADC
ADM	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8155	AM8155DC
ADM	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8156	AM8156DC
ADM	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	D8212	AM8212DM
ADM	CHIP-DICE	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS		AM8212XC
ADM	DIL-24/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	C8214	AM8214DC
ADM	CHIP-DICE	STLB	0C/+70C	+5V		TTL	TTL/TS		AM8216XC
ADM	DIL-16/1C	STLB	0C/+70C	+5V/+12V	115MXMA		TTL	D8224	AM8224DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V/+12V	115MXMA		TTL	SAB8224-D	AM8224DM
ADM	DIL-16/1P	STLB	0C/+70C	+5V/+12V	115MXMA		TTL	P8224	AM8224PC
ADM	CHIP-DICE	STLB	0C/+70C	+5V/+12V	115MXMA		115MXMA		AM8224XC
ADM	CHIP-DICE	STLB	0C/+70C	+5V		TTL	TTL/TS		AM8226XC
ADM	DIL-28/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS	MD8228	AM8228DM
ADM	DIL-28/2P	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	P8228	AM8228PC
ADM	CHIP-DICE	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS		AM8228XC
ADM	DIL-28/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS	SAB8238-D	AM8238DM
ADM	DIL-28/2P	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	P8238	AM8238PC
ADM	CHIP-DICE	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS		AM8238XC
ADM	DIL-28/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	C8251	AM8251DC
ADM	DIL-40/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	C8255	AM8255DC
ADM	DIL-40/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	D8257	AM8257DC
ADM	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8355	AM8355DC
ADM	DIL-16/1C	TTLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	DM8599J	AM8599J
ADM	DIL-16/1P	TTLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	DM8599N	AM8599N
ADM	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	750MXMW	TTL	TTL/OD	AM9050CPC	AM9050CDC
ADM	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	750MXMW	TTL	TTL/OD	AM9050CPC	AM9050CPC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
AM2916DM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2916FM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2916PC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2916XC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2916XM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2917DC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2917DM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2917FM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2917PC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2917XC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2917XM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
AM2918DC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
AM2918DM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
AM2918FM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
AM2918PC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
AM2918XC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
AM2918XM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
AM2919DC	DREGR	4-BIT	QUAD D-REG. WITH TWO 3-STATE OUTPUT PORTS/75MHZ CLOCK	2900
AM2919DM	DREGR	4-BIT	QUAD D-REG. WITH TWO 3-STATE OUTPUT PORTS/75MHZ CLOCK	2900
AM2919PC	DREGR	4-BIT	QUAD D-REG. WITH TWO 3-STATE OUTPUT PORTS/75MHZ CLOCK	2900
AM2919XC	DREGR	4-BIT	QUAD D-REG. WITH TWO 3-STATE OUTPUT PORTS/75MHZ CLOCK	2900
AM2919XM	DREGR	4-BIT	QUAD D-REG. WITH TWO 3-STATE OUTPUT PORTS/75MHZ CLOCK	2900
AM3101AFM	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CS LINES	GEN. PURP.
AM3101FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS 1CS LINES	GEN. PURP.
AM3514CC	MROM	8-BIT	4K=512X8/MAX. ACCESS 700NS	GEN. PURP.
AM3514PC	MROM	8-BIT	4K=512X8/MAX. ACCESS 700NS	GEN. PURP.
AM6070ADC	DACVR	8-BIT	COMPANDING D-A CONVERTER/BELL u255 LAW/HALF-STEP ACCURACY	GEN. PURP.
AM6070ADM	DACVR	8-BIT	COMPANDING D-A CONVERTER/BELL u255 LAW/HALF-STEP ACCURACY	GEN. PURP.
AM6070DC	DACVR	8-BIT	COMPANDING D-A CONVERTER/BELL u255 LAW/WHOLE STEP ACCURACY	GEN. PURP.
AM6070DM	DACVR	8-BIT	COMPANDING D-A CONVERTER/BELL u255 LAW/WHOLE-STEP ACCURACY	GEN. PURP.
AM6071ADC	DACVR	8-BIT	COMPANDING D-A CONVERTER/A-LAW TRACKING/HALF-STEP ACCURACY	GEN. PURP.
AM6071ADM	DACVR	8-BIT	COMPANDING D-A CONVERTER/A-LAW TRACKING/HALF-STEP ACCURACY	GEN. PURP.
AM6071DC	DACVR	8-BIT	COMPANDING D-A CONVERTER/A-LAW TRACKING/WHOLE-STEP ACCURACY	GEN. PURP.
AM6071DM	DACVR	8-BIT	COMPANDING D-A CONVERTER/A-LAW TRACKING/WHOLE-STEP ACCURACY	GEN. PURP.
AM6072DC	DACVR	8-BIT	COMPANDING D-A CONVERTER/D3-LAW TRACKING	GEN. PURP.
AM6072DM	DACVR	8-BIT	COMPANDING D-A CONVERTER/D3-LAW TRACKING	GEN. PURP.
AM6073DC	DACVR	8-BIT	COMPANDING D-A CONVERTER/CCITT A-LAW TRACKING	GEN. PURP.
AM6073DM	DACVR	8-BIT	COMPANDING D-A CONVERTER/CCITT A-LAW TRACKING	GEN. PURP.
AM6688	ADCVR	4-BIT	HIGH SPEED 4-BIT QUANTIZER/100MHZ TYP. SAMPLING	GEN. PURP.
AM7489J	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS 1CE LINES	GEN. PURP.
AM7489N	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS 1CE LINES	GEN. PURP.
AM7599J	SRAM	4-BIT	64=16X4/MAX. ACCESS 70NS/4 ADDRESS LINES	GEN. PURP.
AM7599W	SRAM	4-BIT	64=16X4/MAX. ACCESS 70NS/4 ADDRESS LINES	GEN. PURP.
AM8041DC	PIA	8-BIT	UNIVERSAL PERIPHERAL INTERFACE FOR 8080-8048-8085-8086/INT. MROM	8080 ETC
AM8048DC	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
AM8080A	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAMILY (APP. B)/2MHZ CLOCK	8080A
AM8080A-1DM	MPU	8-BIT	1-CHIP CPU OF 8080A FAM./3MHZ CLOCK	8080A
AM8080A-2DM	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/2.5MHZ CLOCK	8080A
AM8080ADM	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/2MHZ CLOCK	9080
AM8085ADC	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.2uS	8085A
AM8155DC	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8048/8085
AM8156DC	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE HIGH/SRAM/I-O PORTS/CLOCK	8048/8085
AM8212DM	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAMILIES (APP. B)	8080-9080
AM8212XC	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAMILIES (APP. B)	8080-9080
AM8214DC	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM.	8080
AM8216XC	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/8080 DATA BUS BUFFER DVR	8080-9080
AM8224DC	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
AM8224DM	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080-9080 FAMILIES (APP. B)-18MHZ	8080-9080
AM8224PC	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
AM8224XC	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
AM8226XC	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080-9080
AM8228DM	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
AM8228PC	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
AM8228XC	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
AM8238DM	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
AM8238PC	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
AM8238XC	SYSTC	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
AM8251DC	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
AM8255DC	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM	8080
AM8257DC	DMAC	8-BIT	PROGRAMMABLE DMA CONTROLLER/MAX. ACCESS 300NS/4-CHANNEL	8080/8085
AM8355DC	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8 ADDR.-DATA 2CE ADDR. LINES	8048-8085
AM8599J	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS LINES	GEN. PURP.
AM8599N	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS LINES	GEN. PURP.
AM9050CDC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9050CPC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ADM	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V		TTL	TTL/TS		AM1702AL-1C
ADM	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V		TTL	TTL/TS		AM1702AL-2C
ADM	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS	C1702AL	AM1702AL
ADM	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS	AM1702AL	AM1702DC
ADM	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS		AM1702-IDC
ADM	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS		AM2708C
ADM	DIL-24/2Q	NMOS	-55C/+125C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS		AM2708M
ADM	DIL-40/2C	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS	2901AJC	AM2901ADC
ADM	DIL-40/2C	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS	MC2901ALM	AM2901ADM
ADM	FLP-42/5P	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS	2901AFM	AM2901AFM
ADM	DIL-40/2P	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS	2901ANC	AM2901APC
ADM	CHP	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS		AM2901AXC
ADM	DIL-40/2C	LSTB	0C/+70C	+5V	280MXMA	TTL	TTL/TS		AM2901DC
ADM	DIL-40/2C	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS		AM2901DM
ADM	FLP-42/5C	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS		AM2901FM
ADM	DIL-40/2P	LSTB	0C/+70C	+5V	275MXMA	TTL	TTL/TS		AM2901PC
ADM	CHP	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS	MCC2901C	AM2901XC
ADM	CHP	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS		AM2901XM
ADM	DIL-16/1C	BIP	0C/+70C	+5V	94MXMA	TTL	TTL	MC2902LC	AM2902DC
ADM	DIL-16/1C	BIP	-55C/+125C	+5V	99MXMA	TTL	TTL	MC2902LM	AM2902DM
ADM	FLP-16/3C	BIP	-55C/+125C	+5V	99MXMA	TTL	TTL	MC2902FM	AM2902FM
ADM	DIL-16/1P	BIP	0C/+70C	+5V	94MXMA	TTL	TTL	MC2902PC	AM2902PC
ADM	CHP	BIP	0C/+70C	+5V	94MXMA	TTL	TTL	MCC2902C	AM2902XC
ADM	CHP	BIP	-55C/+125C	+5V	99MXMA	TTL	TTL		AM2902XM
ADM	DIL-48/2C	STLB	-55C/+125C	+5V		TTL	TTL	MC2903LM	AM2903DM
ADM	DIL-48/2P	STLB	0C/+70C	+5V		TTL	TTL	MC2903LC	AM2903PC
ADM	DIL-24/2C	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/TS	MC2905LC	AM2905DC
ADM	DIL-24/2C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS	MC2905LM	AM2905DM
ADM	FLP-24/4C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS	MC2905FM	AM2905FM
ADM	DIL-24/2P	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/TS	MC2905PC	AM2905PC
ADM	CHP	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/TS		AM2905XC
ADM	CHP	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS		AM2905XM
ADM	FLP-24/4C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	MC2906FM	AM2906FM
ADM	DIL-24/2P	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	MC2906PC	AM2906PC
ADM	CHP	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/OC		AM2906XC
ADM	CHP	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC		AM2906XM
ADM	DIL-24/2C	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	MC2906LC	AM2906DC
ADM	DIL-24/2C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	MC2906LM	AM2906DM
ADM	DIL-20/1C	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL/OC+TS	MC2907LC	AM2907DC
ADM	DIL-20/1C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC+TS	MC2907LM	AM2907DM
ADM	FLP-20/3C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC+TS	MC2907FM	AM2907FM
ADM	DIL-20/1P	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL/OS+TS	MC2907PC	AM2907PC
ADM	CHP	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL/OC+TS	MCC2907C	AM2907XC
ADM	CHP	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC+TS		AM2907XM
ADM	DIL-28/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MC2909LC	AM2909DC
ADM	DIL-28/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	MC2909LM	AM2909DM
ADM	FLP-28/4C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	2909FM	AM2909FM
ADM	DIL-28/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MC2909PC	AM2909PC
ADM	CHP	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCC2907C	AM2909XC
ADM	CHP	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		AM2909XM
ADM	DIL-20/1C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MC2911LC	AM2911DC
ADM	DIL-20/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	MC2911LM	AM2911DM
ADM	FLP-20/3C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	MC2911FM	AM2911FM
ADM	DIL-20/1P	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MC2911PC	AM2911PC
ADM	CHP	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCC2911C	AM2911XC
ADM	CHP	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		AM2911XM
ADM	DIL-20/1C	TTLB	0C/+70C	+5V		TTL	TTL/TS		AM2913DC
ADM	DIL-20/1C	TTLB	-55C/+125C	+5V		TTL	TTL/TS		AM2913DM
ADM	FLP-20/3C	TTLB	-55C/+125C	+5V		TTL	TTL/TS		AM2913FM
ADM	DIL-20/1P	TTLB	0C/+70C	+5V		TTL	TTL/TS		AM2913PC
ADM	CHP	TTLB	0C/+70C	+5V		TTL	TTL/TS		AM2913XC
ADM	CHP	TTLB	-55C/+125C	+5V		TTL	TTL/TS		AM2913XM
ADM	DIL-40/2C	TTLB	0C/+70C	+5V		TTL	TTL		AM2914DC
ADM	DIL-40/2C	TTLB	-55C/+125C	+5V		TTL	TTL		AM2914DM
ADM	FLP-40/4C	TTLB	-55C/+125C	+5V		TTL	TTL		AM2914FM
ADM	DIL-40/2P	TTLB	0C/+70C	+5V		TTL	TTL		AM2914PC
ADM	CHP	TTLB	0C/+70C	+5V		TTL	TTL		AM2914XC
ADM	CHP	TTLB	-55C/+125C	+5V		TTL	TTL		AM2914XM
ADM	DIL-24/2C	LSTB	0C/+70C	+5V	90MXMA	TTL	TTL	MC2915ALC	AM2915DC
ADM	DIL-24/2C	LSTB	-55C/+125C	+5V	90MXMA	TTL	TTL	MC2915LM	AM2915DM
ADM	FLP-24/3C	LSTB	-55C/+125C	+5V	90MXMA	TTL	TTL	MC2915AFM	AM2915FM
ADM	DIL-24/2P	LSTB	0C/+70C	+5V	90MXMA	TTL	TTL	MC2915APC	AM2915PC
ADM	CHP	LSTB	0C/+70C	+5V	90MXMA	TTL	TTL	MCC2915C	AM2915XC
ADM	CHP	LSTB	-55C/+125C	+5V	90MXMA	TTL	TTL		AM2915XM
ADM	DIL-24/2C	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	MC2916ALC	AM2916DC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
AM9050DDC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9050DPC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9050EDC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9050EPC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9060CDC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9060CPC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9060DDC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9060DPC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9060EDC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9060EPC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
AM9080A-1DC	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 320NS	9080
AM9080A-1DI	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 320NS	9080
AM9080A-1PC	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 320NS	9080
AM9080A-2DC	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 380NS	9080
AM9080A-2DI	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 380NS	9080
AM9080A-2DM	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 380NS	9080
AM9080A-2PC	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 380NS	9080
AM9080A-4DC	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 250NS	9080
AM9080A-4PC	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 250NS	9080
AM9080ADC	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 480NS	9080
AM9080ADI	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 480NS	9080
AM9080ADM	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 480NS	9080
AM9080APC	MPU	8-BIT	SINGLE-CHIP CPU OF 9080 FAMILY (APP. B)/MIN. CLOCK PERIOD 480NS	9080
AM9101ADC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101ADM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101AFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101APC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101BDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101BDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101BFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101BPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101CDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101CDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101CPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101DDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101DPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101EDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 200NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9101EPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 200NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9102ADC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102ADM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102AFM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102APC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102BDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102BDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102BFM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102BPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102CDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102CDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102CPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102DDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102DPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102EDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102EPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9102PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
AM9111ADC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 5Y 2CE ADDRESS LINES	GEN. PURP.
AM9111ADM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111AFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111APC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111BDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111BDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111BPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111BFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111CDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111CDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111CPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111DDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111DPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111EDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 200NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9111EPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 200NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
AM9112ADC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112ADM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112AFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ADM	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	750MXMW	TTL	TTL/OD	AM9050DPC	AM9050DDC
ADM	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	750MXMW	TTL	TTL/OD	AM9050DPC	AM9050DPC
ADM	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	750MXMW	TTL	TTL/OD	AM9050EPC	AM9050EDC
ADM	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	750MXMW	TTL	TTL/OD	AM9050EDC	AM9050EPC
ADM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS	AM9060CPC	AM9060CDC
ADM	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS	AM9060CDC	AM9060CPC
ADM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS	AM9060CDC	AM9060DDC
ADM	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS	AM9060DDC	AM9060DPC
ADM	DIL-22/4C	NMOS	0C/+75C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS	AM9060EPC	AM9060EDC
ADM	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS	AM9060EDC	AM9060EPC
ADM	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL	AM9080A-1DI	AM9080A-1DC
ADM	DIL-40/2C	NMOS	-25C/+85C	-5V/+5V/+12V	50MXMA	TTL	TTL	AM9080A-1DC	AM9080A-1DI
ADM	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL	AM9080A-1DC	AM9080A-1PC
ADM	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL	AM9080A-2DI	AM9080A-2DC
ADM	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	55MXMA	TTL	TTL	AM9080A-2DC	AM9080A-2DI
ADM	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	55MXMA	TTL	TTL	AM9080A-2DI	AM9080A-2DM
ADM	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL	AM9080A-2DM	AM9080A-2PC
ADM	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	70MXMA	TTL	TTL	AM9080A-4PC	AM9080A-4DC
ADM	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	70MXMA	TTL	TTL	AM9080A-4DC	AM9080A-4PC
ADM	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL	AM9080ADI	AM9080ADC
ADM	DIL-40/2C	NMOS	-25C/+85C	-5V/+5V/+12V	55MXMA	TTL	TTL	AM9080ADC	AM9080ADI
ADM	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	55MXMA	TTL	TTL		AM9080ADM
ADM	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL	AM9080ADC	AM9080APC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	AM91L01ADC	AM9101ADC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	AM91L01ADM	AM9101ADM
ADM	FLP-24/3C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	AM91L01AFM	AM9101AFM
ADM	DIL-22/4P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	AM9101BPC	AM9101APC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	AM9101CDC	AM9101BDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	AM91L01BDM	AM9101BDM
ADM	FLP-24/3C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	AM91L01BFM	AM9101BFM
ADM	DIL-22/4P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS		AM9101BPC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	AM91L01CDC	AM9101CDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS	AM91L01CDM	AM9101CDM
ADM	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	AM91L01CPC	AM9101CPC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	AM9101EDC	AM9101DDC
ADM	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	AM9101EPC	AM9101DPC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS		AM9101EDC
ADM	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS		AM9101EPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	AM91L02ADC	AM9102ADC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	45MXMA	TTL	TTL/TS	AM91L02ADM	AM9102ADM
ADM	FLP-16/4C	NMOS	-55C/+125C	+5V	45MXMA	TTL	TTL/TS	AM91L02AFM	AM9102AFM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	AM91L02APC	AM9102APC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	AM91L02BDC	AM9102BDC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	45MXMA	TTL	TTL/TS	AM91L02BDM	AM9102BDM
ADM	FLP-16/4C	NMOS	-55C/+125C	+5V	45MXMA	TTL	TTL/TS	AM91L02BFM	AM9102BFM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	AM91L02BPC	AM9102BPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	AM91L02CDC	AM9102CDC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	AM91L02CDM	AM9102CDM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	AM91L02CPC	AM9102CPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	AM91L02DC	AM9102DC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS		AM9102DDC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	45MXMA	TTL	TTL/TS	AM91L02DM	AM9102DM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	AM9102EDC	AM9102DPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	AM9102EPC	AM9102EDC
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS		AM9102EPC
ADM	FLP-16/4C	NMOS	-55C/+125C	+5V	45MXMA	TTL	TTL/TS	AM91L02FM	AM9102FM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	AM91L02PC	AM9102PC
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	D2111A-4	AM9111ADC
ADM	DIL-18/1C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	MD2111A	AM9111ADM
ADM	FLP-16/4C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	AM91L11AFM	AM9111AFM
ADM	DIL-18/1P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	P2111A-4	AM9111APC
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	D2111A-4	AM9111BDC
ADM	DIL-18/1C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	MD2111A	AM9111BDM
ADM	DIL-18/1P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	P2111A	AM9111BPC
ADM	FLP-16/4C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	AM91L11BFM	AM9111BFM
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2111A-2	AM9111CDC
ADM	DIL-18/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS	AM91L11CDM	AM9111CDM
ADM	DIL-18/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2111A-2	AM9111CPC
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2111A-2	AM9111DDC
ADM	DIL-18/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2111A-2	AM9111DPC
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2111A-2	AM9111EDC
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2111A-2	AM9111EPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	D2112A-4	AM9112ADC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	D2112A-4	AM9112ADM
ADM	FLP-16/3C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	AM91L12AFM	AM9112AFM

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
AM9112APC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112BDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112BDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112BFM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 1CE ACCESS LINES	GEN. PURP.
AM9112BPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
AM9112CDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112CDM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112CPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112DDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112DPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112EDC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 200NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9112EPC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 200NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
AM9130ADC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 500NS/6X 4Y 1CS ADDRESS LINES	2900
AM9130ADM	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 500NS/6X 4Y 1CS ADDRESS LINES	2900
AM9130BDC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 400NS/6X 4Y 1CS ADDRESS LINES	2900
AM9130BDM	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 400NS/6X 4Y 1CS ADDRESS LINES	2900
AM9130CDC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	2900
AM9130CDM	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	2900
AM9130DDC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	2900
AM9130EDC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	2900
AM9140ADM	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 500NS/6X 6Y 1CS ADDRESS LINES	2900
AM9140BDC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 400NS/6X 6Y 1CS ADDRESS LINES	2900
AM9140BDM	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 400NS/6X 6Y 1CS ADDRESS LINES	2900
AM9140CDC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	2900
AM9140CDM	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1C ADDRESS LINES	2900
AM9140DDC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	2900
AM9140EDC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	2900
AM9208BCC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9208BDC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9208BDM	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9208BPC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9208CCC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 300NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9208CDC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 300NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9208CDM	MROM	8-BIT	8K=1024X8/MAX. ACCESS 300NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9208CPC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 300NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9208DCC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9208DDC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9208DPC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9214CC	MROM	8-BIT	4K=512X8/MAX. ACCESS 500NS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
AM9214DC	MROM	8-BIT	4K=512X8/MAX. ACCESS 500NS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
AM9214DM	MROM	8-BIT	4K=512X8/MAX. ACCESS 500NS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
AM9214PC	MROM	8-BIT	4K=512X8/MAX. ACCESS 500NS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
AM9216BCC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/7X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9216BDC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/7X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9216BDM	MROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/7X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9216BPC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/7X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9216CCC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 300NS/7X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9216CDC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 300NS/7X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9216CPC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 300NS/7X 4Y 2CS ADDRESS LINES	GEN. PURP.
AM9217ACC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDR. LINES/C8316A PINOUT	GEN. PURP.
AM9217ADC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDR. LINES/C8316A PINOUT	GEN. PURP.
AM9217ADM	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDR. LINES/C8316A PINOUT	GEN. PURP.
AM9217APC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDR. LINES/C8316A PINOUT	GEN. PURP.
AM9217BCC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDR. LINES/C8316A PINOUT	GEN. PURP.
AM9217BDC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDR. LINES/C8316A PINOUT	GEN. PURP.
AM9217BDM	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDR. LINES/C8316A PINOUT	GEN. PURP.
AM9217BPC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDR. LINES/C8316A PINOUT	GEN. PURP.
AM9218BCC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDR. LINES/C8316E PINOUT	GEN. PURP.
AM9218BDC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDR. LINES/C8316E PINOUT	GEN. PURP.
AM9218BDM	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDR. LINES/C8316E PINOUT	GEN. PURP.
AM9218BPC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDR. LINES/C8316E PINOUT	GEN. PURP.
AM9218CCC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/7X 4Y 3CS ADDR. LINES/C8316E PINOUT	GEN. PURP.
AM9218CDC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/7X 4Y 3CS ADDR. LINES/C8316E PINOUT	GEN. PURP.
AM9218CPC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/7X 4Y 3CS ADDR. LINES/C8316E PINOUT	GEN. PURP.
AM9232BCC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES	GEN. PURP.
AM9232BDC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES	GEN. PURP.
AM9232BDM	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES	GEN. PURP.
AM9232BPC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES	GEN. PURP.
AM9232CCC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 300NS/12 ADDRESS 2CS LINES	GEN. PURP.
AM9232CDC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 300NS/12 ADDRESS 2CS LINES	GEN. PURP.
AM9232CPC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 300NS/12 ADDRESS 2CS LINES	GEN. PURP.
AM9233BCC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES/SPECIAL PINOUT	GEN. PURP.
AM9233BDC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES/SPECIAL PINOUT	GEN. PURP.
AM9233BDM	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES/SPECIAL PINOUT	GEN. PURP.
AM9233BPC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES/SPECIAL PINOUT	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	P2112A-4	AM9112APC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	D2112A	AM9112BDC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	MD2112A	AM9112BDM
ADM	FLP-16/3C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS	AM91L12BFM	AM9112BFM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	P2112A	AM9112BPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A-2	AM9112CDC
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS	MD2112A-2	AM9112CDM
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A-2	AM9112CPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A-2	AM9112DDC
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A-2	AM9112DPC
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A-2	AM9112EDC
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A-2	AM9112EPC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	AM91L30ADC	AM9130ADC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	100MXMA	TTL	TTL/TS	AM9130BDM	AM9130ADM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	AM9130CDC	AM9130BDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	100MXMA	TTL	TTL/TS	AM9130CDM	AM9130BDM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	AM9130DDC	AM9130CDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	100MXMA	TTL	TTL/TS	AM9130DDM	AM9130CDM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	AM9130EDC	AM9130DDC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	. .	AM9130EDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	578MXMW	TTL	TTL/TS	AM9140BDM	AM9140ADM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	578MXMW	TTL	TTL/TS	AM9140BDC	AM9140BDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	578MXMW	TTL	TTL/TS	AM9140CDM	AM9140BDM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	578MXMW	TTL	TTL/TS	AM9140DDC	AM9140CDC
ADM	DIL-22/4C	NMOS	-55C/+125C	+5V	578MXMW	TTL	TTL/TS	. .	AM9140CDM
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	578MXMW	TTL	TTL/TS	AM9140EDC	AM9140DDC
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	578MXMW	TTL	TTL/TS	. .	AM9140EDC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	620MXMW	TTL	TTL/TS	2608-2F	AM9208BCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	620MXMW	TTL	TTL/TS	2608-2F	AM9208BDC
ADM	DIL-24/2C	NMOS	-55C/+125C	+5V/+12V	620MXMW	TTL	TTL/TS	AM9208CDM	AM9208BDM
ADM	DIL-24/2P	NMOS	0C/+70C	+5V/+12V	620MXMW	TTL	TTL/TS	2608-2F	AM9208BPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	620MXMW	TTL	TTL/TS	AM9208DCC	AM9208CCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	620MXMW	TTL	TTL/TS	AM9208DDC	AM9208CDC
ADM	DIL-24/2C	NMOS	-55C/+125C	+5V/+12V	620MXMW	TTL	TTL/TS	. .	AM9208CDM
ADM	DIL-24/2P	NMOS	0C/+70C	+5V/+12V	620MXMW	TTL	TTL/TS	AM2908DPC	AM9208CPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	620MXMW	TTL	TTL/TS	AM9208DPC	AM9208DCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL/TS	. .	AM9208DDC
ADM	DIL-24/2P	NMOS	0C/+70C	+5V/+12V	620MXMW	TTL	TTL/TS	AM9208DDC	AM9208DPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	MK2600P	AM9214CC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	MK2600P	AM9214DC
ADM	DIL-24/2C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS	. .	AM9214DM
ADM	DIL-24/2P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	MK2600P	AM9214PC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL/TS	2617-1F	AM9216BCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL/TS	2617-1F	AM9216BDC
ADM	DIL-24/2C	NMOS	-55C/+125C	+5V/+12V	660MXMW	TTL	TTL/TS	. .	AM9216BDM
ADM	DIL-24/2P	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL/TS	2617-1F	AM9216BPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL/TS	2617-1F	AM9216CCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL/TS	2617-1F	AM9216CDC
ADM	DIL-24/2P	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL/TS	2617-1F	AM9216CPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5C	367MXMW	TTL	TTL/TS	. .	AM9217ACC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	C8316A	AM9217ADC
ADM	DIL-24/2C	NMOS	-55C/+125C	+5V	367MXMW	TTL	TTL/TS	. .	AM9217ADM
ADM	DIL-24/2P	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	P8316A	AM9217APC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	. .	AM9217BCC
ADM	DIL-24/2C	NMOS	-55C/+125C	+5V	367MXMW	TTL	TTL/TS	. .	AM9217BDC
ADM	DIL-24/2C	NMOS	-55C/+125C	+5V	367MXMW	TTL	TTL/TS	. .	AM9217BDM
ADM	DIL-24/2P	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	C8316A	AM9217BPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	C8316E	AM9218BCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	C8316E	AM9218BDC
ADM	DIL-24/2C	NMOS	-55C/+125C	+5V	367MXMW	TTL	TTL/TS	. .	AM9218BDM
ADM	DIL-24/2P	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	P8316E	AM9218BPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	. .	AM9218CCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	. .	AM9218CDC
ADM	DIL-24/2P	NMOS	0C/+70C	+5V	367MXMW	TTL	TTL/TS	. .	AM9218CPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	. .	AM9232BCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	. .	AM9232BDC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	. .	AM9232BDM
ADM	DIL-24/2P	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	. .	AM9232BPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	. .	AM9232CCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	. .	AM9232
ADM	DIL-24/2P	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	. .	AM9232CPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	. .	AM9233BCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	. .	AM9233BDC
ADM	DIL-24/2C	NMOS	-55C/+125C	+5V	.	TTL	TTL/TS	. .	AM9233BDM
ADM	DIL-24/2P	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	. .	AM9233BPC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
AM9233CCC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 300NS/12 ADDRESS 2CS LINES/SPECIAL PINOUT	GEN. PURP.
AM9233CDC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 300NS/12 ADDRESS 2CS LINES/SPECIAL PINOUT	GEN. PURP.
AM9233CPC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 300NS/12 ADDRESS 2CS LINES/SPECIAL PINOUT	GEN. PURP.
AM9511DC	ALU	8-BIT	ARITHMETIC PROCESSING UNIT/2MHZ CLOCK SPEED	8080-9080
AM9511-4DC	ALU	8-BIT	ARITHMETIC PROCESSING UNIT/4MHZ CLOCK SPEED	8080-9080
AM9511DM	ALU	8-BIT	ARITHMETIC PROCESSING UNIT/2MHZ CLOCK SPEED	8080-9080
AM9517DC	DMAC	8-BIT	MULTIMODE DMA CONTROLLER/8257 REPLACEMENT	8080-9080
AM9517DM	DMAC	8-BIT	MULTIMODE DMA CONTROLLER/8257 REPLACEMENT	8080-9080
AM9517-4DC	DMAC	8-BIT	MULTIMODE DMA CONTROLLER/8257 REPLACEMENT	8080-9080
AM9519DC	ITRPC	8-BIT	UNIVERSAL INTERRUPT CONTROLLER/8259 REPLACEMENT	8080-9080
AM9519DM	ITRPC	8-BIT	UNIVERSAL INTERRUPT CONTROLLER/8259 REPLACEMENT	8080-9080
AM9519-4DC	ITRPC	8-BIT	UNIVERSAL INTERRUPT CONTROLLER/8259 REPLACEMENT	8080-9080
AM9551DC	USART	5-8BIT	UNIVERSAL SYNCHRONOUS-ASYNCHRONOUS RECEIVER-TRANSMITTER	8080-9080
AM9551DI	USART	5-8BIT	UNIVERSAL SUNCHRONOUS-ASYNCHRONOUS RECEIVER-TRANSMITTER	8080-9080
AM9551DM	USART	5-8BIT	UNIVERSAL SYNCHRONOUS-ASYNCHRONOUS RECEIVER-TRANSMITTER	8080-9080
AM9551PC	USART	5-8BIT	UNIVERSAL SYNCHRONOUS-ASYNCHRONOUS RECEIVER-TRANSMITTER	8080-9080
AM9555DC	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAMILY (APP. B)	8080-9080
AM9555DI	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAMILY (APP. B)	8080-9080
AM9555DM	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAMILY (APP. B)	8080-9080
AM9555-4DC	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAMILY (APP. B)	8080-9080
AM9555-4DI	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAMILY (APP. B)	8080-9080
AM9702AHDL	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS, 1CS LINES	GEN. PURP.
AM9708C	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM9708M	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
AM29700DC	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/NON-INV.	2900
AM29700DM	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/NON-INV.	2900
AM29700FM	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/NON-INV.	2900
AM29700PC	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/NON-INV	2900
AM29701DC	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/NON-INV.	2900
AM29701DM	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/NON-INV.	2900
AM29701FM	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/NON-INV.	2900
AM29701PC	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/NON-INV.	2900
AM29702DC	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/INV.	2900
AM29702DM	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/INV.	2900
AM29702FM	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/INV.	2900
AM29702PC	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/INV.	2900
AM29703DC	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/INV.	2900
AM29703DM	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/INV.	2900
AM29703FM	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/INV.	2900
AM29703PC	SRAM	4-BIT	64=16X4/TYP. ACCESS 17NS/4X 1CS ADDRESS LINES/INV.	2900
AM29704DC	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29704DM	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29704FM	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29704PC	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29704XC	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29704XM	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29705DC	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29705DM	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29705FM	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29705PC	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29705XC	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29705XM	SRAM	4-BIT	64=16X4/TYP. ACCESS 32NS/4X ADDRESS LINES/TWO O-P PORTS	2900
AM29720DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	2900
AM29720DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	2900
AM29720FM	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	2900
AM29720PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	2900
AM29721DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	2900
AM29721DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	2900
AM29721FM	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	2900
AM29721PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	2900
AM29750DC	PROM	8-BIT	256=32X8/MAX. ACCESS 55NS/5 ADDRESS 1CS LINES	2900
AM29750DM	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/5 ADDRESS 1CS LINES	2900
AM29751DC	PROM	8-BIT	256=32X8/MAX. ACCESS 55NS/5 ADDRESS 1CS LINES	2900
AM29751DM	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/5 ADDRESS 1CS LINES	2900
AM29760FM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/8 ADDRESS 2CS LINES	2900
AM29760DC	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/8 ADDRESS 2CS LINES	2900
AM29760DM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/8 ADDRESS 2CS LINES	2900
AM29761DC	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/8 ADDRESS 2CS LINES	2900
AM29761DM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/8 ADDRESS 2CS LINES	2900
AM29761FM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/8 ADDRESS 2CS LINES	2900
AM29790DC	FPLA	.	16 I-P, 8 O-P, FIELD PROGRAMMABLE LOGIC ARRAY	2900
AM29790DM	FPLA	.	16 I-P, 8 O-P, FIELD PROGRAMMABLE LOGIC ARRAY	2900
AM29791DC	FPLA	.	16 I-P, 8 O-P, FIELD PROGRAMMABLE LOGIC ARRAY	2900
AM29791DM	FPLA	.	16 I-P, 8 O-P, FIELD PROGRAMMABLE LOGIC ARRAY	2900
AM29803DC	SPECL	.	16-WAY BRANCH CONTROL UNIT FOR AM2909/16 INSTNS./4 TEST LINES	2900

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ADM	DIL-24/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS		AM9233CCC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS		AM9233CDC
ADM	DIL-24/2P	NMOS	0C/+70C	+5V		TTL	TTL/TS		AM9233CPC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	55TPMA	+0.8/+2V	+0.8/+2V	AM9511DM	AM9511DC
ADM	DIL-24/2C	NMOS	-55C/+125C	+5V/+12V	55TPMA	+0.8/+2V	+0.8/+2V		AM9511-4DC
ADM	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	55TPMA	+0.8/+2V	+0.8/+2V		AM9511DM
ADM	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS	AM9517DM	AM9517DC
ADM	DIL-40/3C	NMOS	-55C/+125C	+5V		TTL	TTL/TS		AM9517DM
ADM	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS		AM9517-4DC
ADM	DIL-28/2C	NMOS	0C/+70C	+5V	50TPMA	TTL	TTL/TS	AM9519DM	AM9519DC
ADM	DIL-28/2C	NMOS	-55C/+125C	+5V	50TPMA	TTL	TTL/TS		AM9519DM
ADM	DIL-28/2C	NMOS	0C/+70C	+5V	50TPMA	TTL	TTL/TS		AM9519-4DC
ADM	DIL-28/2C	NMOS	0C/+70C	+5V		TTL	TTL	AM9551DI	AM9551DC
ADM	DIL-28/2C	NMOS	-25C/+85C	+5V		TTL	TTL	AM9551DM	AM9551DI
ADM	DIL-28/2C	NMOS	-55C/+125C	+5V		TTL	TTL		AM9551DM
ADM	DIL-28/2P	NMOS	0C/+70C	+5V		TTL	TTL	AM9551DC	AM9551PC
ADM	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	D8255	AM9555DC
ADM	DIL-40/2C	NMOS	-25C/+85C	+5V		TTL	TTL	MD8255A	AM9555DI
ADM	DIL-40/2C	NMOS	-55C/+125C	+5V		TTL	TTL	MD8255A	AM9555DM
ADM	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	D8255A	AM9555-4DC
ADM	DIL-40/2C	NMOS	-25C/+85C	+5V		TTL	TTL	D8255A	AM9555-4DI
ADM	DIL-24/2C	PMOS	-55C/+85C	-9V/+5V	50MXMA	TTL	TTL/TS	B1702AL	AM9702AHDL
ADM	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	C2708	AM9708C
ADM	DIL-24/2Q	NMOS	-55C/+125C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS		AM9708M
ADM	DIL-16/1C	STLB	0C/+75C	+5V	100TPMA	TTL	TTL/OC	29700JC	AM29700DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/OC	29700JM	AM29700DM
ADM	FLP-16/3C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/OC	29700FM	AM29700FM
ADM	DIL-16/1P	STLB	0C/+70C	+5V	100TPMA	TTL	TTL/OC	29700NC	AM29700PC
ADM	DIL-16/1C	STLB	0C/+70C	+5V	100TPMA	TTL	TTL/TS	29701JC	AM29701DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/TS	29701JM	AM29701DM
ADM	FLP-16/3C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/TS	29701FM	AM29701FM
ADM	DIL-16/1C	STLB	0C/+70C	+5V	100TPMA	TTL	TTL/TS		AM29701PC
ADM	DIL-16/1C	STLB	0C/+70C	+5V	100TPMA	TTL	TTL/OC	29702JC	AM29702DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/OC	29702JM	AM29702DM
ADM	FLP-16/3C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/OC	29702FM	AM29702FM
ADM	DIL-16/1C	STLB	0C/+75C	+5V	100TPMA	TTL	TTL/OC	29702NC	AM29702PC
ADM	DIL-16/1C	STLB	0C/+75C	+5V	100TPMA	TTL	TTL/TS	29703JC	AM29703DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/TS	29703JM	AM29703DM
ADM	FLP-16/3C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/TS	29703FM	AM29703FM
ADM	DIL-16/1P	STLB	0C/+70C	+5V	100TPMA	TTL	TTL/TS	29703NC	AM29703PC
ADM	DIL-28/2C	LSTB	0C/+75C	+5V	177MXMA	TTL	TTL/OC		AM29704DC
ADM	DIL-28/2C	LSTB	-55C/+125C	+5V	177MXMA	TTL	TTL/OC		AM29704DM
ADM	FLP-28/4C	LSTB	-55C/+125C	+5V	177MXMA	TTL	TTL/OC		AM29704FM
ADM	DIL-28/2P	LSTB	0C/+75C	+5V	177MXMA	TTL	TTL/OC		AM29704PC
ADM	CHP	LSTB	0C/+75C	+5V	177MXMA	TTL	TTL/OC		AM29704XC
ADM	CHP	LSTB	-55C/+125C	+5V	177MXMA	TTL	TTL/OC		AM29704XM
ADM	DIL-28/2C	LSTB	0C/+75C	+5V	177MXMA	TTL	TTL/TS		AM29705DC
ADM	DIL-28/2C	LSTB	-55C/+125C	+5V	177MXMA	TTL	TTL/TS		AM29705DM
ADM	FLP-28/4C	LSTB	-55C/+125C	+5V	177MXMA	TTL	TTL/TS		AM29705FM
ADM	DIL-28/2P	LSTB	0C/+75C	+5V	177MXMA	TTL	TTL/TS		AM29705PC
ADM	CHP	LSTB	0C/+75C	+5V	177MXMA	TTL	TTL/TS		AM29705XC
ADM	CHP	LSTB	-55C/+125C	+5V	177MXMA	TTL	TTL/TS		AM29705XM
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	70MXMA	TTL	TTL/OC		AM29720DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	70MXMA	TTL	TTL/OC		AM29720DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	70MXMA	TTL	TTL/OC		AM29720FM
ADM	DIL-16/1P	LSTB	0C/+75C	+5V	70MXMA	TTL	TTL/OC		AM29720PC
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	70MXMA	TTL	TTL/TS		AM29721DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		AM29721DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		AM29721FM
ADM	DIL-16/1P	LSTB	0C/+75C	+5V	70MXMA	TTL	TTL/TS		AM29721PC
ADM	DIL-16/1C	STLB	0C/+75C	+5V	100MXMA	TTL	TTL/OC	IDM29750JC	AM29750DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	100MXMA	TTL	TTL/OC	IDM29750JM	AM29750DM
ADM	DIL-16/1C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS		AM29751DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		AM29751DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	80MXMA	TTL	TTL/OC		AM29760FM
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	80MXMA	TTL	TTL/OC	IDM29760JC	AM29760DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	80MXMA	TTL	TTL/OC	IDM29760JM	AM29760DM
ADM	DIL-16/1C	LSTB	0C/+75C	+5V	80MXMA	TTL	TTL/TS	IDM29761JC	AM29761DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	80MXMA	TTL	TTL/TS	IDM29761JM	AM29761DM
ADM	FLP-16X3C	LSTB	-55C/+125C	+5V	80MXMA	TTL	TTL/TS		AM29761FM
ADM	DIL-28/2C	BIP	0C/+75C	+5V	120TPMA	TTL	TTL/OC		AM29790DC
ADM	DIL-28/2C	BIP	-55C/+125C	+5V	120TPMA	TTL	TTL/OC		AM2790DM
ADM	DIL-28/2C	BIP	0C/+75C	+5V	120TPMA	TTL	TTL/TS		AM29791DC
ADM	DIL-28/2C	BIP	-55C/+125C	+5V	120TPMA	TTL	TTL/TS		AM29791DM
ADM	DIL-16/1C	LSTB	0C/+70C	+5V	80MXMA	TTL	TTL	IDM29803DC	AM29803DC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
AM29803DM	SPECL	.	16-WAY BRANCH CONTROL UNIT FOR AM2909/16 INSTNS./4 TEST LINES	2900
AM29803FM	SPECL	.	16-WAY BRANCH CONTROL UNIT FOR AM2909/16 INSTNS./4 TEST LINES	2900
AM29803PC	SPECL	.	16-WAY BRANCH CONTROL UNIT FOR AM2909/16 INSTNS./4 TEST LINES	2900
AM29803XC	SPECL	.	16-WAY BRANCH CONTROL UNIT FOR AM2909/16 INSTNS./4 TEST LINES	2900
AM29803XM	SPECL	.	16-WAY BRANCH CONTROL UNIT FOR AM2909/16 INSTNS./4 TEST LINES	2900
AM29811DC	SPECL	.	NEXT ADDRESS CONTROL UNIT FOR AM2911	2900
AM29811DM	SPECL	.	NEXT ADDRESS CONTROL UNIT FOR AM2911	2900
AM29811FM	SPECL	.	NEXT ADDRESS CONTROL UNIT FOR AM2911	2900
AM29811PC	SPECL	.	NEXT ADDRESS CONTROL UNIT FOR AM2911	2901
AM29811XC	SPECL	.	NEXT ADDRESS CONTROL UNIT FOR AM2911	2900
AM29811XM	SPECL	.	NEXT ADDRESS CONTROL UNIT FOR AM2911	2900
AM35141DC	MROM	8-BIT	4K=512X8/MAX. ACCESS 850NS/9 ADDRESS 4CS LINES	GEN. PURP.
AM35142DC	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS /9 ADDRESS 4CS LINES	GEN. PURP.
AMZ8001-CPU	CPU	16-BIT	SEGMENTED CPU OF Z8000 FAM./WITH 8010 REACHES 8M MEM. ADDRESSES	Z8000
AMZ8002-CPU	CPU	16-BIT	NON-SEGMENTED CPU OF 8000 FAM./DIRECT 64K ADDR. LOCATIONS	Z8000
AMZ8010-MMU	MMU	16-BIT	MEMORY MANAGEMENT UNIT/WITH 8001-CPU PROVIDES 8M MEM. ADDRESSES	Z8000
AMZ8016-DMA	DMA	16-BIT	DIRECT MEMORY ACCESS CONTROLLER FOR Z8000 FAM.	Z8000
AMZ8030-SIO	SIO	16-BIT	SERIAL INPUT-OUTPUT PORT	Z8000
AMZ8036-CIO	CTC	16-BIT	COUNTER-TIMER INPUT-OUTPUT	Z8000
AMZ8038-FIO	FIFO	16-BIT	FIRST IN-FIRST OUT, INPUT-OUTPUT CONTROLLER	Z8000
AMZ8050-FDC	FLPDC	16-BIT	FLOPPY DISK CONTROLLER	Z8000
AMZ8052-CRT	CRTC	16-BIT	CRT CONTROLLER	Z8000
AMZ8060-FIFO	FIFO	16-BIT	FIRST IN-FIRST-OUT BUFFER	Z8000
B1702A	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS1CS LINES	GEN. PURP.
B1702A-2	EPROM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.
B1702A-6	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS 1CS LINES	GEN. PURP.
B1702AL	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS 1CS LINES	GEN. PURP.
B1702AL-2	EPROM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.
B2101A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
B2101A-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/ 5X 3Y 2CE ADDRESS LINES	GEN. PURP.
B2101A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/ 5X 3Y 2CE ADDRESS LINES	GEN. PURP.
B2107A	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
B2107A-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 280NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
B2107A-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
B2107A-5	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 420NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
B2107B	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
B2107B-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 270NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
B2107B-5	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
B2107B-6	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
B2704	EPROM	8-BIT	4K=512X8/STATIC/MAX. ACCESS 450NS/5X 4Y 1CS ADDRESS LINES	GEN. PURP.
B2704-1	EPROM	8-BIT	4K=512X8/STATIC/MAX. ACCESS 350NS/ 5X 4Y 1CS ADDRESS LINES	GEN. PURP.
B2708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
B2708-1	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
B2716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8048
B2716-1	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
B2716-2	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 390NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
B2732	EPROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/11 ADDRESS 1CE LINES	GEN. PURP.
B2758	EPROM	1-BIT	8K=8196X1/MAX. ACCESS 450NS/10 ADDRESS LINES/132MXMW STANDBY	GEN. PURP.
B3222	DMI	1-BIT	REFRESH CONTROLLER FOR 4K DRAMS (SUCH AS 2107)/6 ADDRESS LINES	GEN. PURP.
B4702A	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.7uS/8 ADDRESS 1CS LINES	4004/4040
B5101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
B5101L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/15uA STANDBY	GEN. PURP.
B5101L-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/15uA STANDBY	GEN. PURP.
B5101L-3	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/200uA STANDBY	GEN. PURP.
B5101-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
B5101-3	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
B5101-8	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 5Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
B8101A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES/SEP. I-O	8080
B8702A	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.3uS/8 ADDRESS 1CS LINES	8080
B8702A-4	EPROM	8-BIT	2K=256X8/MAX. ACCESS 2.3uS/8 ADDRESS 1CS LINES	8080
B8708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
B8748	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INTERNAL CPU-RAM-IO-EPROM/6MHZ INT. CLOCK	8048
B8748-8	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INTERNAL CPU-RAM-IO-EPROM/3MHZ INT. CLOCK	8048
C1101A	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
C1101A1	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/ 4X 4Y 1CS ADDRESS LINES	GEN. PURP.
C1103	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
C1103A	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 205NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
C1103A-1	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 145NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
C1103A-2	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 145NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
C1103-1	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 180NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
C1302	MROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/MROM VERSION OF B1702A EPROM	GEN. PURP.
C1302/0002	MROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/DEDICATED ROM EBCDIC-ASCII8 CODE CVRTR	GEN. PURP.
C1402A	SHFTR	.	1K=4X256 DYNAMIC SHIFT REG./5MHZ CLOCK SPEED/QUAD-256	GEN. PURP.
C1702A	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS. 1CS LINES	GEN. PURP.
C1702A-2	EPROM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	80MXMA	TTL	TTL	IDM29803DM	AM29803DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	80MXMA	TTL	TTL		AM29803FM
ADM	DIL-16/1P	LSTB	0C/+70C	+5V	80MXMA	TTL	TTL	IDM29803NC	AM29803PC
ADM	CHP	LSTB	0C/+70C	+5V	80MXMA	TTL	TTL		AM29803XC
ADM	CHP	LSTB	-55C/+125C	+5V	80MXMA	TTL	TTL		AM29803XM
ADM	DIL-16/1C	LSTB	0C/+70C	+5V	80MXMA	TTL	TTL	IDM29811JC	AM29811DC
ADM	DIL-16/1C	LSTB	-55C/+125C	+5V	80MXMA	TTL	TTL	IDM29811JM	AM29811DM
ADM	FLP-16/3C	LSTB	-55C/+125C	+5V	80MXMA	TTL	TTL		AM29811FM
ADM	DIL-16/1P	LSTB	0C/+70C	+5V	80MXMA		TTL	IDM29811NC	AM29811PC
ADM	CHP	LSTB	0C/+70C	+5V	80MXMA	TTL	TTL		AM29811XC
ADM	CHP	LSTB	-55C/+125C	+5V	80MXMA	TTL	TTL		AM29811XM
ADM	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	50MXMA	TTL	TTL/TS	3514-1DC	AM35141DC
ADM	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	50MXMA	TTL	TTL/TS	3514-2DC	AM35142DC
ADM	DIL-48/2C	NMOS	0C/+70C	+5V		TTL	TTL	Z8001-CPU	AMZ8001-CPU
ADM		NMOS	0C/+70C	+5V		TTL	TTL	Z8002-CPU	AMZ8002-CPU
ADM		NMOS	0C/+70C	+5V		TTL	TTL	Z8010-MMU	AMZ8010-MMU
ADM		NMOS	0C/+70C	+5V		TTL	TTL	Z8016-DMA	AMZ8016-DMA
ADM		NMOS	0C/+70C	+5V		TTL	TTL	Z8030-SIO	AMZ8030-SIO
ADM		NMOS	0C/+70C	+5V		TTL	TTL	Z8036-CIO	AMZ8036-CIO
ADM		NMOS	0C/+70C	+5V		TTL	TTL	Z8038-FIO	AMZ8038-FIO
ADM		NMOS	0C/+70C	+5V		TTL	TTL	Z8050-FDC	AMZ8050-FDC
ADM		NMOS	0C/+70C	+5V		TTL	TTL	Z8052-CRT	AMZ8052-CRT
ADM		NMOS	0C/+70C	+5V		TTL	TTL	Z8060-FIFO	AMZ8060-FIFO
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	60MXMA	TTL	TTL/TS	MK3702-3T	B1702A
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	60MXMA	TTL	TTL/TS	MK3702-1T	B1702A-2
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	60MXMA	TTL	TTL/TS	MK3702-3T	B1702A-6
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	40MXMA	TTL	TTL/TS	MK3702-3T	B1702AL
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	40MXMA	TTL	TTL/TS	MK3702-1T	B1702AL-2
INL	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	MM2101A	B2101A
INL	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	SY2101-A2	B2101A-2
INL	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	C2101A-4	B2101A-4
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	34MXMA	TTL	TTL/TS	MM5280	B2107A
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	38MXMA	TTL	TTL/TS	MM5280	B2107A-1
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	33	TTL	TTL/TS	MM5280	B2107A-4
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	28MXMA	TTL	TTL/TS	MM5280	B2107A-5
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	MM5280	B2107B
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	MM5280	B2107B-4
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	MM5280	B2107B-5
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	MM5280	B2107B-6
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	C2704	B2704
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	C2704-1	B2704-1
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	MM2708Q	B2708
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	MM2708Q-1	B2708-1
INL	DIL-24/2Q	NMOS	0C/+70C	+5V	105MXMA	TTL	TTL/TS	MCM2716	B2716
INL	DIL-24/2Q	NMOS	0C/+70C	+5V	105MXMA	TTL	TTL/TS	D2716-1	B2716-1
INL	DIL-24/2Q	NMOS	0C/+70C	+5V	105MXMA	TTL	TTL/TS	D2716-2	B2716-2
INL	DIL-24/2Q	NMOS	0C/+70C	+5V	750MXMW	TTL	TTL/TS	D2632	B2732
INL	DIL-24/2Q	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2758	B2758
INL	DIL-22/2C	STLB	0C/+75C	+5V	120MXMA	TTL	TTL	D3222	B3222
INL	DIL-24/2Q	PMOS	0C/+70C	-10V/+5V	63MXMA	TTL	TTL/TS	SAB4702A-B	B4702A
INL	DIL-22/4C	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	B5101L	B5101
INL	DIL-22/4C	CMOS	0C/+70C	+5V	135MXMW	TTL	TTL/TS	S5101L/3-2C	B5101L
INL	DIL-22/4C	CMOS	0C/+70C	+5V	135MXMW	TTL	TTL/TS	S5101L/1-2C	B5101L-1
INL	DIL-22/4C	CMOS	0C/+70C	+5V	135MXMW	TTL	TTL/TS	S5101L/2-2C	B5101L-3
INL	DIL-22/4C	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	B5101L1	B5101-1
INL	DIL-22/4C	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	B5101L-3	B5101-3
INL	DIL-22/4C	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	S5101/8-2C	B5101-8
INL	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	SAB8101A-4-B	B8101A-4
INL	DIL-24/2Q	PMOS	0C/+70C	+12V	540MXMW	TTL	TTL	SAB8702A-B	B8702A
INL	DIL-24/2Q	PMOS	0C/+70C	+12V	540MXMW	TTL	TTL	SAB8702A-4-B	B8702A-4
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	MK2708	B8708
INL	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	C8748	B8748
INL	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	B8748	B8748-8
INL	DIL-16/1C	PMOS	0C/+75C	-9V/+5V	35MXMA	TTL	TTL/TS	MM1101AD	C1101A
INL	DIL-16/1C	PMOS	0C/+70C	-9V/+5V	24MXMA	TTL	TTL/TS	AM1101A1	C1101A1
INL	DIL-18/1C	PMOS	0C/+70C	+16V/+19V	25MXMA	MOS	SENSE AMP	1103IK	C1103
INL	DIL-18/1C	PMOS	0C/+70C	+19V/+22.5V	25MXMA	+1/+18V	+0V/+60MV	D1103A	C1103A
INL	DIL-18/1C	PMOS	0C/+70C	+19V/+22.5V	33MXMA	MOS	SENSE AMP	S1103A/1-1P	C1103A-1
INL	DIL-18/1C	PMOS	0C/+70C	+19V/+22.5V	30MXMA	MOS	SENSE AMP	S1103A/2-1C	C1103A-2
INL	DIL-18/1C	PMOS	0C/+70C	+16V/+19V	23MXMA	MOS	SENSE AMP	S1103X-2P	C1103-1
INL	DIL-24/2C		0C/+70C	-9V/+5V		TTL	TTL/TS	P1302	C1302
INL	DIL-24/2C		0C/+70C	-9V/+5V		TTL	TTL/TS		C1302/0002
INL	DIL-16/1C	PMOS	0C/70C	+9V/+5V	TTL		MOS/TTL	2502N	C1402A
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS	MK1702A	C1702A
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	60MXMA	TTL	TTL/TS	MK3702-1T	C1702A-2

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
C1702AL	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS. 1CS LINES	GEN. PURP.
C1702A-6	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.5uS/8 ADDRESS, 1CS LINES	GEN. PURP.
C1702AL-2	EPROM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.
C2101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
C2101A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
C2101A-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
C2101A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
C2101-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
C2101-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
C2102	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CE ADDRESS LINES	GEN
C2102A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
C2102A-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
C2102A-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
C2102A-6	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
C2102AL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES/LO PWR STBY	GEN. PURP.
C2102AL2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
C2102AL4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
C2102-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
C2102-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
C2107A	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
C2107A-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 280NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
C2107A-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
C2107A-5	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 420NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
C2108-2	DRAM	1-BIT	8K=8192X1/MAX. ACCESS 200NS/7 ADDRESS LINES	GEN. PURP.
C2108-4	DRAM	1-BIT	8K=8192X1/MAX. ACCESS 300NS/7 ADDRESS LINES	GEN. PURP.
C2109-3	DRAM	1-BIT	8K=8192X1/MAX. ACCESS 200NS	GEN. PURP.
C2109-4	DRAM	1-BIT	8K=8192X1/MAX. ACCESS 250NS	GEN. PURP.
C2111	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	9080
C2111A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	9080
C2111A-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	9080
C2111A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	9080
C2111-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	9080
C2111-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	9080
C2112	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CE ADDRESS LINES	9080
C2112A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 1CE ADDRESS LINES	9080
C2112A-2	SRAM	4-BIT	1K=256X4=MAX. ACCESS 250NS/5X 3Y 1CE ADDRESS LINES	9080
C2112A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDRESS LINES	9080
C2112-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 1CE ADDRESS LINES	9080
C2114	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
C2114L	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
C2114L-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
C2114L-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
C2114-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
C2114-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
C2115	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
C2115L	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
C2115-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
C2116	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 ADDRESS LINES	GEN. PURP.
C2116-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 ADDRESS LINES	GEN. PURP.
C2116-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 ADDRESS LINES	GEN. PURP.
C2116-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 ADDRESS LINES	GEN. PURP.
C2117-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 ADDRESS LINES	GEN. PURP.
C2117-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 ADDRESS LINES	GEN. PURP.
C2117-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 ADDRESS LINES	GEN. PURP.
C2117-5	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 ADDRESS LINES	GEN. PURP.
C2125	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
C2125L	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
C2125-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
C2142	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
C2142L	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
C2142L-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
C2142L-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
C2142-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
C2142-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
C2147	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
C2147L	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
C2147-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
C2308A	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
C2416	SMEM	1-BIT	16K=64X256/CCD SERIAL MEMORY/2 MEGABIT RATE/DRIVEN BY INTEL 5244	GEN. PURP.
C2704	EPROM	8-BIT	4K=512X8/STATIC/MAX. ACCESS 450NS/ 5X 4Y 1CS ADDRESS LINES	GEN. PURP.
C2704-1	EPROM	8-BIT	4K=512X8/STATIC/MAX. ACCESS 350NS/ 5X 4Y 1CS ADDRESS LINES	GEN. PURP.
C2708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
C3003	LAHCG	8-BIT	LOOK AHEAD CARRY GENERATOR FOR 3000 2-BIT-SLICE FAM	3000
C3101	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS 1CS LINES	GEN. PURP.
C3101A	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS	AM1702AL	C1702AL
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS	MK1702A	C1702A-6
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	40MXMA	TTL	TTL/TS	MK3702-1T	C1702AL-2
INL	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	C2101
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	MM2101A	C2101A
INL	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2101A-2	C2101A-2
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B2101A-4	C2101A-4
INL	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	C2101-1
INL	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	C2101-2
INL	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A-6	C2102
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A	C2102A
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2102A-2	C2102A-2
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A-4	C2102A-4
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	MC2102A-6	C2102A-6
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	33MXMA	TTL	TTL/TS	D2102AL	C2102AL
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2102AL2	C2102AL2
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	33MXMA	TTL	TTL/TS	D2102AL4	C2102AL4
INL	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A-4	C2102-1
INL	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A-6	C2102-2
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	34MXMA	TTL	TTL/TS	MM5280	C2107A
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	38MXMA	TTL	TTL/TS	MM5280	C2107A-1
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	33MXMA	TTL	TTL/TS	MM5280	C2107A-4
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	28MXMA	TTL	TTL/TS	MM5280	C2107A-5
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	69MXMA	TTL	TTL/TS		C2108-2
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	65MXMA	TTL	TTL/TS	C2108-2	C2108-4
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	D2109-3	C2109-3
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	C2109-4	C2109-4
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A	C2111
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A	C2111A
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A-2	C2111A-2
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	SAB2111A-4-D	C2111A-4
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	MM2111-1D	C2111-1
ADM	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A	C2111-2
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A-4	C2112
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A	C2112A
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A-2	C2112A-2
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A-4	C2112A-4
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A-4	C2112-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	SYC2114	C2114
INL	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2114L	C2114L
INL	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2114L-2	C2114L-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	C2114L-2	C2114L-3
INL	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	P2114-2	C2114-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	SAB2114-3-C	C2114-3
INL	DIL-16/1C	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/OC	D2115A-2	C2115
INL	DIL-16/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/OC	D2115AL2	C2115L
INL	DIL-16/1C	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/OC	P2115A-2	C2115-2
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	69MXMA	TTL	TTL/TS	MCM4116C-30	C2116
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	69MXMA	TTL	TTL/TS	MCM4116C-20	C2116-2
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	68MXMA	TTL	TTL/TS	MCM4116C-25	C2116-3
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	65MXMA	TTL	TTL/TS	MCM4116C-30	C2116-4
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4116-2	C2117-2
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4116-3	C2117-3
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4116-4	C2117-4
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4116-4	C2117-5
INL	DIL-16/1C	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/TS	D2125A-2	C2125
INL	DIL-16/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	D2125AL-2	C2125L
INL	DIL-16/1C	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/TS	C2125A-2	C2125-2
INL	DIL-20/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-20JL	C2142
INL	DIL-20/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-20JL	C2142L
INL	DIL-20/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-20JL	C2142L-2
INL	DIL-20/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-30JL	C2142L-3
INL	DIL-20/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-20JL	C2142-2
INL	DIL-20/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-30JL	C2142-3
INL	DIL-18/1C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	MCM2147C-70	C2147
INL	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	MCM2147C-70	C2147L
INL	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	MCM2147C-55	C2147-3
ELA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	D2308	C2308A
INL	DIL-16/1C	CCD	-10C/+90C	-5V/+12V	25MXMA	MOS	MOS/OD		C2416
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2704	C2704
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2704-1	C2704-1
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	MM2708Q	C2708
INL	DIL-28/2C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL	D3003	C3003
INL	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	P3101A	C3101
INL	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	P3101A	C3101A

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
C3104	CAM	4-BIT	16=4X4/MAX. ACCESS 30NS/4 ADDRESS LINES	GEN. PURP.
C3205	DECDR	3-BIT	1-OF-8 BINARY DECODER/MAX. DELAY 18NS	GEN. PURP.
C3212	LATCH	8-BIT	MULTIMODE LATCH BUFFER/8 D-TYPE LATCHES/MAX. WRITE CYCLE 50NS	3000
C3214	ITRPC	8-BIT	INTERRUPT CONTROL UNIT	3000
C4001	MROM	8-BIT	256X8(=512X4)/MAX. ACCESS 930NS/4-BIT I-O PORT/MUX. SERIAL CNTRL	4004/4040
C4002-1	RAMIO	4-BIT	320=4X20X4 RAM + 4-BIT OUTPUT PORT/CHIP SELECTION OPTION 1	4004/4040
C4002-2	RAMIO	4-BIT	320=4X20X4 RAM + 4-BIT OUTPUT PORT/CHIP SELECTION OPTION 2	4004/4040
C4004	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4004 FAMILY (APP. B)	4004
C4040	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4040 FAMILY (APP. B)	4040
C4289	MEMCT	4-BIT	STANDARD MEMORY INTERFACE/ADDRESS AND I-O CONTROL UNIT	4004/4040
C4316A	ROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/11 ADDRESS 3CS LINES	GEN. PURP.
C4702A	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.7uS/8 ADDRESS 1CS LINES	4004/4040
C5101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
C5101L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/15uA STANDBY	GEN. PURP.
C5101L-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/15uA STANDBY	GEN. PURP.
C5101L-3	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/200uA STANDBY	GEN. PURP.
C5101-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
C5101-3	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
C5101-8	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
C8008	CPU	8-BIT	1-CHIP CPU FOR 8008 FAM. (APP. B)/ 2uS INSTRUCTION CYCLE	8008
C8008-1	CPU	8-BIT	1-CHIP CPU FOR 8008 FAM. (APP. B)/1.25uS INSTRUCTION CYCLE	8008
C8080A	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAMILY (APP. B)/MIN. CLOCK PERIOD 480NS	8080
C8080A-1	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAMILY (APP. B)/MIN. CLOCK PERIOD 320NS	8080
C8080A-2	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAMILY (APP. B)/MIN. CLOCK PERIOD 380NS	8080
C8085	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.3uS	8085
C8085A	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.2uS	8085
C8085A-2	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 0.8uS	8085
C8101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1.3uS/5X 3Y 2CS ADDRESS LINES/SEP. I-O	8080
C8101A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES/SEP. I-O	8080
C8101-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 850NS/5X 3Y 2CS ADDRESS LINES/SEP. I-O	8080
C8102	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1.3uS/5X 5Y 1CE ADDRESS LINES	8080
C8102A-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	8080
C8102A-6	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	8080
C8102-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 850NS/5X 5Y 1CE ADDRESS LINES	8080
C8111	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1.3uS/5X 3Y 2CE ADDRESS LINES/COMMON I-O	8080
C8111A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/COMMON I-O	8080
C8111-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 850NS/5X 3Y 2CE ADDRESS LINES/COMMON I-O	8080
C8155	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8048/8085
C8155-2	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8085A/8039
C8156	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE HIGH/SRAM/I-O PORTS/CLOCK	8048/8085
C8156-2	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE HIGH/SRAM/I-O PORTS/CLOCK	8085A/8039
C8185	SRAM	8-BIT	8K=1024X8/MAX. ACCESS 300NS/6 ADDR.-DATA 2 ADDR. 1CS LINES/STDBY	8085A
C8185-2	SRAM	8-BIT	8K=1024X8/MAX. ACCESS 200NS/6 ADDR.-DATA 2 ADDR. 1CS LINES/STDBY	8085A-2
C8212	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAMILIES (APP. B)	8080-9080
C8214	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM. (APP. B)	8080
C8251	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
C8253	PTM		PROGRAMMABLE INTERVAL TIMER/THREE 16-BIT COUNTERS/DC-2MHZ	8080
C8253-5	PTM		PROGRAMMABLE INTERVAL TIMER/THREE 16-BIT COUNTERS/DC-2MHZ	8085A
C8255	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAMILY (APP. B)	8080-9080
C8275	CRTC	8-BIT	PROGRAMMABLE CRT CONTROLLER FOR 8080 FAMILY	8080
C8308A	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
C8316A	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDR. LINES/PINOUT-A	8080
C8316E	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDR. LINES/PINOUT-E	8080
C8355	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8 ADDR.-DATA 2CE ADDR. LINES	8048-8085
C8355-2	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 300NS/8 ADDR.-DATA 2CE ADDR. LINES	8085A-2
C8648	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1KX8 FACTRY-PROG. EPROM	8048
C8702A	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.3uS/8 ADDRESS 1CS LINES	8080
C8702A-4	EPROM	8-BIT	2K=256X8/MAX. ACCESS 2.3uS/8 ADDRESS 1CS LINES	8080
C8708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
C8741	PIA	8-BIT	UNIVERSAL PERIPHERAL INTERFACE FOR 8080-8048-8085-8086/INT EPROM	8080 ETC
C8741A	PIA	8-BIT	UNIV. PERIPHERAL INTERFACE FOR 8080A-8048A-8085A-8086A/INT EPROM	8080A ETC
C8741-8	PIA	8-BIT	UNIVERSAL PERIPHERAL INTERFACE FOR 8080-8048-8085-8086/INT EPROM	8080 ETC
C8748	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INTERNAL CPU-RAM-IO-EPROM/6MHZ INT. CLOCK	8048
C8748-8	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INTERNAL CPU-RAM-IO-EPROM/3MHZ INT. CLOCK	8048
C8755	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS	8085
C8755A	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8X 3Y 2CE ADDRESS LINES	8048/8085
C8755-8	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/8X 3Y 2CE ADDRESS LINES/3MHZ CLOCK	8048/8085
CCD464-2DC	SMEM	1-BIT	65K=4096X16X1/DYNAMIC SERIAL MEMORY /1-5MHZ	GEN. PURP.
CCD464-3DC	SMEM	1-BIT	65K=4096X16X1/DYNAMIC SERIAL MEMORY /1-4MHZ	GEN. PURP.
CCD464-4DC	SMEM	1-BIT	65K=4096X16X1/DYNAMIC SERIAL MEMORY /1-2MHZ	GEN. PURP.
CD4036AD	RAM	8-BIT	32=4X8 NDRO RAM/BINARY ADDRESSING	CDP1802
CD4036AK	RAM	8-BIT	32=4X8 NDRO RAM/BINARY ADDRESSING	CDP1802
CD4039AD	RAM	8-BIT	32=4X8 NDRO RAM/DIRECT WORD LINE ADDRESSING	CDP1802
CD4039AK	RAM	8-BIT	32=4X8 NDRO RAM/DIRECT WORD LINE ADDRESSING	CDP1802
CD4061AD	SRAM	1-BIT	256=256X1/MAX. ACCESS 750NS/8 ADDRESS 1CS LINES	CDP1802

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-24/2C	TTLB	0C/+75C	+5V	125MXMA	TTL	TTL/OC	D3104	C3104
INL	DIL-16/1C	TTLB	0C/+75C	+5V	70MXMA	TTL	TTL	D3205	C3205
INL	DIL-24/2C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	D3212	C3212
INL	DIL-24/2C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL	P3214	C3214
INL	DIL-16/1C	PMOS	0C/+70C	-10V/+5V	30MXMA	TTL	TTL	SAB4001-P	C4001
INL	DIL-16/1C	PMOS	0C/+70C	-10V/+5V	33MXMA	TTL	TTL	D4002-1	C4002-1
INL	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	33MXMA	TTL	TTL	D4002-2	C4002-2
INL	DIL-16/1C	PMOS	0C/+70C	-10V/+5V	600MXMW	TTL	TTL	D4004	C4004
INL	DIL-24/2C	PMOS	0C/+70C	-10V/+5V	60MXMA	TTL	TTL	D4040	C4040
INL	DIL-40/2C	PMOS	0C/+70C	-10V/+5V	400MXMW	TTL	TTL	SAB4289-C	C4289
INL	DIL-24/2C	NMOS	0C/+70C	+5V	98MXMA	TTL	TTL/TS	MCM68A316AP	C4316A
INL	DIL-24/2Q	PMOS	0C/+70C	-10V/+5V	63MXMA	TTL	TTL/TS	SAB4702A-B	C4702A
INL	DIL-22/4C	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	B5101L	C5101
INL	DIL-22/4C	CMOS	0C/+70C	+5V	135MXMW	TTL	TTL/TS	S5101L/3-2C	C5101L
INL	DIL-22/4C	CMOS	0C/+70C	+5V	135MXMW	TTL	TTL/TS	B5101L-1	C5101L-1
INL	DIL-22/4C	CMOS	0C/+70C	+5V	135MXMA	TTL	TTL/TS	B5101L-3	C5101L-3
INL	DIL-22/4C	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	B5101L-1	C5101-1
INL	DIL-22/4C	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	B5101L-3	C5101-3
INL	DIL-22/4C	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	B5101-8	C5101-8
INL	DIL-18/1C	PMOS	0C/+70C	-9V/+5V	60MXMA	TTL	TTL	SAB8008-C	C8008
INL	DIL-18/1C	PMOS	0C/+70C	-9V/+5V	60MXMA	TTL	TTL		C8008-1
ADM	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	D8080A	C8080A
INL	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	D8080A-1	C8080A-1
INL	DIL-40/2C	NMOS	C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	D8080A-2	C8080A-2
INL	DIL-40/2C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	SAB8085C	C8085
INL	DIL-40/2C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	D8085A	C8085A
INL	DIL-40/2C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	D8085A-2	C8085A-2
INL	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B8101A-4	C8101
ADM	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	SAB8101A-4-B	C8101A-4
INL	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B8101A-4	C8101-2
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	D8102A-4	C8102
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	D8102A-4	C8102A-4
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	D8102A-4	C8102A-6
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	D8102A-4	C8102-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D8111A-4	C8111
INL	DIL-18/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	SAB8111A-4-D	C8111A-4
INL	DIL-18/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D8111A-4	C8111-2
INL	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	SAB8155-C	C8155
INL	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8155-2	C8155-2
INL	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8156	C8156
INL	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8156-2	C8156-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	P8185	C8185
INL	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	P8185-2	C8185-2
ADM	DIL-24/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	D8212	C8212
INL	DIL-24/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	SAB8214-D	C8214
INL	DIL-28/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	SAB8251-D	C8251
INL	DIL-24/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8253	C8253
INL	DIL-24/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8253-5	C8253-5
INL	DIL-40/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	INS8255D	C8255
INL	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	D8275	C8275
ELA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	EA8308ADC	C8308A
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	514MXMW	TTL	TTL/TS	D8316A	C8316A
ADM	DIL-24/2C	NMOS	0C/+70C	+5V	499MXMW	TTL	TTL/TS	P8316A	C8316E
INL	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	SAB8355-D	C8355
INL	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL		C8355-2
INL	DIL-40/2C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL		C8648
INL	DIL-24/2Q	PMOS	0C/+70C	+12V	540MXMW	TTL	TTL	B8702A	C8702A
ADM	DIL-24/2Q	PMOS	0C/+70C	+12V	540MXMW	TTL	TTL	B8702A-4	C8702A-4
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	MK2708	C8708
INL	DIL-40/2C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL	uPD8741D	C8741
INL	DIL-40/2C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL		C8741A
INL	DIL-40/2C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL	C8741	C8741-8
INL	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	uPD8748D	C8748
INL	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	C8748	C8748-8
INL	DIL-40/2Q	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8755A	C8755
INL	DIL-40/2Q	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8755	C8755A
INL	DIL-40/2Q	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8755	C8755-8
FAS	DIL-16/1C	CCD	0C/+55C	-5V/+5V/+12V	336MXMW	TTL	TTL/TS	F464-2DC	CCD464-2DC
FAS	DIL-16/1C	CCD	0C/+55C	-5V/+5V/+12V	336MXMW	TTL	TTL/TS	F464-3DC	CCD464-3DC
FAS	DIL-16/1C	CCD	0C/+55C	-5V/+5V/+12V	336MXMW	TTL	TTL/TS	F464-4DC	CCD464-4DC
RCA	DIL-24/2C	CMOS	-55C/+125C	+5V TO +10V	5MXuA	CMOS	CMOS		CD4036AD
RCA	FLP-24/5C	CMOS	-55C/+125C	+5V TO +10V	5MXuA	CMOS	CMOS		CD4036AK
RCA	DIL-24/2C	CMOS	-55C/+125C	+5V TO +10V	5MXuA	CMOS	CMOS		CD4039AD
RCA	FLP-24/5C	CMOS	-55C/+125C	+5V TO +10V	5MXuA	CMOS	CMOS		CD4039AK
RCA	DIL-16/1C	CMOS	-55C/+125C	+3V TO +15V	5MXuA	CMOS	CMOS/TS		CD4061AD

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
CD4061AH	SRAM	1-BIT	256=256X1/MAX. ACCESS 750NS/8 ADDRESS 1CS LINES	CDP1802
CD40061AD	SRAM	1-BIT	256=256X1/MAX. ACCESS 700NS/4X 4Y 1CS ADDRESS LINES	CDP1802
CD40061AE	SRAM	1-BIT	256=256X1/MAX. ACCESS 700NS/4X 4Y 1CS ADDRESS LINES	CDP1802
CD40061E	SRAM	1-BIT	256=256X1/MAX. ACCESS 700NS/4X 4Y 1CS ADDRESS LINES	CDP1802
CD40061H	SRAM	1-BIT	256=256X1/MAX. ACCESS 700NS/4X 4Y 1CS ADDRESS LINES	DP1802
CD40114BD	SRAM	4-BIT	64=16X4/MAX. ACCESS 650NS/4 ADDRESS LINES	CDP1802
CD40114BE	SRAM	4-BIT	64=16X4/MAX. ACCESS 650NS/4 ADDRESS LINES	CDP1802
CD40114BF	SRAM	4-BIT	64=16X4/MAX. ACCESS 650NS/4 ADDRESS LINES	CDP1802
CD40114BH	SRAM	4-BIT	64=16X4/MAX. ACCESS 650NS/4 ADDRESS LINES	CDP1802
CDP1802CD	CPU	8-BIT	CENTRAL PROCESSOR FOR CDP1802 FAM. (COSMAC)	CDP1802
CDP1802CE	CPU	8-BIT	CENTRAL PROCESSOR FOR CDP1802 FAM. (COSMAC)	CDP1802
CDP1802D	CPU	8-BIT	CENTRAL PROCESSOR FOR CDP1802 FAM. (COSMAC)	CDP1802
CDP1802E	CPU	8-BIT	CENTRAL PROCESSOR FOR CDP1802 FAM. (COSMAC)	CDP1802
CDP1804CD	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 2048X8 ROM,64X8 RAM,IO,TIMER-COUNTER	CDP1802
CDP1804CE	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 2048X8 ROM,64X8 RAM,IO,TIMER-COUNTER	CDP1802
CDP1804D	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 2048X8 ROM,64X8 RAM,IO,TIMER-COUNTER	CDP1802
CDP1804E	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 2048X8 ROM,64X8 RAM,IO,TIMER-COUNTER	CDP1802
CDP1821CD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/4X 5Y 1CS ADDRESS LINES	CDP1802
CDP1821CE	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/4X 5Y 1CS ADDRESS LINES	CDP1802
CDP1821D	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/4X 5Y 1CS ADDRESS LINES	CDP1802
CDP1821E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/4X 5Y 1CS ADDRESS LINES	CDP1802
CDP1821SCD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/4X 5Y 1CS ADDRESS LINES	CDP1802
CDP1821SD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/4X 5Y 1CS ADDRESS LINES	CDP1802
CDP182CD	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822CE	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822DL1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822DL3	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822DL8	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822E	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822H	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822SCD	SRAM	4-BIT	1K=256X4/TYP. ACCESS 350NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822SD	SRAM	4-BIT	1K=256X4/TYP. ACCESS 350NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822SDL1	SRAM	4-BIT	1K=256X4/TYP. ACCESS 350NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822SDL3	SRAM	4-BIT	1K=256X4/TYP. ACCESS 350NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1822SDL8	SRAM	4-BIT	1K=256X4/TYP. ACCESS 350NS/5X 3Y 2CS ADDRESS LINES	CDP1802
CDP1823CD	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 5CS LINES	CDP1802
CDP1823CE	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 5CS LINES	CDP1802
CDP1823D	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 5CS LINES	CDP1802
CDP1823E	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 5CS LINES	CDP1802
CDP1823SCD	SRAM	8-BIT	1K=128X8/TYP. ACCESS 350NS/7 ADDRESS 5CS LINES	CDP1802
CDP1823SD	SRAM	8-BIT	1K=128X8/TYP. ACCESS 350NS/7 ADDRESS 5CS LINES	CDP1802
CDP1824CD	SRAM	8-BIT	256=32X8/MAX. ACCESS 710NS/5 ADDRESS 1CS LINES	CDP1802
CDP1824D	SRAM	8-BIT	256=32X8/MAX. ACCESS 710NS/5 ADDRESS 1CS LINES	CDP1802
CDP1824E	SRAM	8-BIT	256=32X8/MAX. ACCESS 710NS/5 ADDRESS 1CS LINES	CDP1802
CDP1824CE	SRAM	8-BIT	256=32X8/MAX. ACCESS 710NS/5 ADDRESS 1CS LINES	CDP1802
CDP1825CD	SRAM	8-BIT	4K=1024X8/MAX. ACCESS 650NS/6X 4Y 1CS ADDRESS LINES/2V RETENTION	CDP1802
CDP1825D	SRAM	8-BIT	4K=1024X8/MAX. ACCESS 650NS/6X 4Y 1CS ADDRESS LINES/2V RETENTION	CDP1802
CDP1831CD	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/8 ADDRESS 2CS LINES	CDP1802
CDP1831CE	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/8 ADDRESS 2CS LINES	CDP1802
CDP1831D	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/8 ADDRESS 2CS LINES	CDP1802
CDP1831E	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/8 ADDRESS 2CS LINES	CDP1802
CDP1832CD	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/9 ADDRESS 1CS LINES/2704 PIN COMPATIBLE	CDP1802
CDP1832CE	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/9 ADDRESS 1CS LINES/2704 PIN COMPATIBLE	CDP1802
CDP1832D	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/9 ADDRESS 1CS LINES/2704 PIN COMPATIBLE	CDP1802
CDP1832E	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/9 ADDRESS 1CS LINES/2704 PIN COMPATIBLE	CDP1802
CDP1833CD	MROM	8-BIT	8K=1024X8/MAX. ACCESS 775NS/8 ADDRESS 2CS LINES	CDP1802
CDP1833CE	MROM	8-BIT	8K=1024X8/MAX. ACCESS 775NS/8 ADDRESS 2CS LINES	CDP1802
CDP1833D	MROM	8-BIT	8K=1024X8/MAX. ACCESS 775NS/8 ADDRESS 2CS LINES	CDP1802
CDP1833E	MROM	8-BIT	8K=1024X8/MAX. ACCESS 775NS/8 ADDRESS 2CS LINES	CDP1802
CDP1834CD	MROM	8-BIT	8K=1024X8/MAX. ACCESS 750NS/10 ADDRESS 2CS LINES/2708 PIN COMPAT	CDP1802
CDP1834CE	MROM	8-BIT	8K=1024X8/MAX. ACCESS 750NS/10 ADDRESS 2CS LINES/2708 PIN COMPAT	CDP1802
CDP1834D	MROM	8-BIT	8K=1024X8/MAX. ACCESS 750NS/10 ADDRESS 2CS LINES/2708 PIN COMPAT	CDP1802
CDP1834E	MROM	8-BIT	8K=1024X8/MAX. ACCESS 750NS/10 ADDRESS 2CS LINES/2708 PIN COMPAT	CDP1802
CDP1842CD	EAROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS 3CS LINES/STATIC	CDP1802
CDP1851CD	PIO	8-BIT	PROGRAMMABLE INPUT-OUTPUT INTERFACE	CDP1802
CDP1851CE	PIO	8-BIT	PROGRAMMABLE INPUT-OUTPUT INTERFACE	CDP1802
CDP1851D	PIO	8-BIT	PROGRAMMABLE INPUT-OUTPUT INTERFACE	CDP1802
CDP1851E	PIO	8-BIT	PROGRAMMABLE IINPUT-OUTPUT INTERFACE	CDP1802
CDP1852CD	IP/OP	8-BIT	PARALLEL 8-BIT MODE-PROGRAMMABLE INPUT-OUTPUT PORTS	CDP1802
CDP1852CE	IP/OP	8-BIT	PARALLEL 8-BIT MODE-PROGRAMMABLE INPUT-OUTPUT PORTS	CDP1802
CDP1852D	IP/OP	8-BIT	PARALLEL 8-BIT MODE-PROGRAMMABLE INPUT-OUTPUT PORTS	CDP1802
CDP1852E	IP/OP	8-BIT	PARALLEL 8-BIT MODE-PROGRAMMABLE INPUT-OUTPUT PORTS	CDP1802
CDP1853CD	DECDR	.	1-OF-8 N-BIT DECODER	CDP1802
CDP1853CE	DECDR	.	1-OF-8 N-BIT DECODER	CDP1802

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
RCA	CHP	CMOS	-55C/+125C	+3V TO +15V	5MXuA	CMOS	CMOS/TS		CD4061AH
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +12V	10MXuA	CMOS	CMOS/TS		CD40061AD
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +12V	10MXuA	CMOS	CMOS/TS		CD40061AE
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +7V	10MXuA	CMOS	CMOS/TS		CD40061E
RCA	CHP	CMOS	-55C/+125C	+4V TO +7V	10MXuA	CMOS	CMOS/TS		CD40061H
RCA	DIL-16/1C	CMOS	-55C/+125C	+3V TO +18V	5MXuA	CMOS	CMOS/TS		CD40114BD
RCA	DIL-16/1P	CMOS	-40C/+85C	+3V TO +18V	5MXuA	CMOS	CMOS/TS		CD40114BE
RCA	DIL-16/1C	CMOS	-55C/+125C	+3V TO +18V	5MXuA	CMOS	CMOS/TS		CD40114BF
RCA	CHP	CMOS	-55C/+125C	+3V TO +18V	5MXuA	CMOS	CMOS/TS		CD40114BH
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +6.5V	200MXuA	CMOS	CMOS		CDP1802CD
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +6.5V	200MXuA	CMOS	CMOS		CDP1802CE
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +10.5V	200MXuA	CMOS	CMOS		CDP1802D
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +10.5V	200MXuA	CMOS	CMOS		CDP1802E
RCA	DIL-40/2C	CMOS	-55C/+125C	+(4.5/6.5)V	10TPuA	CMOS	CMOS		CDP1804CD
RCA	DIL-40/2P	CMOS	-40C/+85C	+(4.5/6.5)V	10TPuA	CMOS	CMOS		CDP1804CE
RCA	DIL-40/2C	CMOS	-55C/+125C	+(4.0/10.5)V	10TPuA	CMOS	CMOS		CDP1804D
RCA	DIL-40/2P	CMOS	-40C/+85C	+(4.0/10.5)V	10TPuA	CMOS	CMOS		CDP1804E
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO 6.5V	500MXuA	CMOS	CMOS		CDP1821CD
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO 6.5V	500MXuA	CMOS	CMOS		CDP1821CE
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +10.5V	500MXuA	CMOS	CMOS		CDP1821D
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +10.5V	500MXuA	CMOS	CMOS		CDP1821E
RCA	DIL-16/1C	CMOS	-40C/+85C	+4V TO +6V	500TPuA	CMOS	CMOS		CDP1821SCD
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +10V	100TPuA	CMOS	CMOS		CDP1821SD
RCA	DIL-22/4C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS/TS		CDP1822CD
RCA	DIL-22/4P	CMOS	-40C/+85C	+4V TO +6.5V	500MXuA	CMOS	CMOS/TS		CDP1822CE
RCA	DIL-22/4C	CMOS	-55C/+125C	+4V TO +10.5V	500MXuA	CMOS	CMOS/TS		CDP1822D
RCA	DIL-22/4C	CMOS	-55C/+125C	+4V TO +10.5V	50MXuA	CMOS	CMOS/TS		CDP1822DL1
RCA	DIL-22/4C	CMOS	-55C/+125C	+4V TO +10.5V	200MXuA	CMOS	CMOS/TS		CDP1822DL3
RCA	DIL-22/4C	CMOS	-55C/+125C	+4V TO +10.5V	500MXuA	CMOS	CMOS/TS		CDP1822DL8
RCA	DIL-22/4P	CMOS	-40C/+85C	+4V TO +10.5V	500MXuA	CMOS	CMOS/TS		CDP1822E
RCA	CHP	CMOS	-55C/+125C	+4V TO +10.5V	500MXuA	CMOS	CMOS/TS		CDP1822H
RCA	DIL-22/4C	CMOS	-55C/+125C	+4V TO +10.5V	500TPuA	CMOS	CMOS/TS		CDP1822SCD
RCA	DIL-22/4C	CMOS	-55C/+125C	+4V TO +10.5V	100TPuA	CMOS	CMOS/TS		CDP1822SD
RCA	DIL-22/4C	CMOS	-55C/+125C	+4V TO +10.5V	50MXuA	CMOS	CMOS/TS		CDP1822SDL1
RCA	DIL-22/4C	CMOS	-55C/+125C	+4V TO +10.5V	200MXuA	CMOS	CMOS/TS		CDP1822SDL3
RCA	DIL-22/4C	CMOS	-55C/+125C	+4V TO +10.5V	500MXuA	CMOS	CMOS/TS		CDP1822SDL8
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1823CD
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1823CE
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10.5V	500MXuA	CMOS	CMOS		CDP1823D
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +10.5V	500MXuA	CMOS	CMOS		CDP1823E
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +6V	500MXuA	CMOS	CMOS		CDP1823SCD
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10V	500MXuA	CMOS	CMOS		CDP1823SD
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1824CD
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +10.5V	100MXuA	CMOS	CMOS		CDP1824D
RCA	DIL-18/1P	CMOS	-40C/+85C	+4V TO +10.5V	100MXuA	CMOS	CMOS		CDP1824E
RCA	DIL-18/1P	CMOS	-40C/+85C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1824CE
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +6.5V	200MXuA	CMOS	CMOS/TS		CDP1825CD
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +10.5V	200MXuA	CMOS	CMOS/TS		CDP1825D
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS/TS		CDP1831CD
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +6.5V	500MXuA	CMOS	CMOS/TS		CDP1831CE
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10.5V	100MXuA	CMOS	CMOS/TS		CDP1831D
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +10.5V	100MXuA	CMOS	CMOS/TS		CDP1831E
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS/TS		CDP1832CD
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +6.5V	500MXuA	CMOS	CMOS/TS		CDP1832CE
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10.5V	100MXuA	CMOS	CMOS/TS		CDP1832D
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +10.5V	100MXuA	CMOS	CMOS/TS		CDP1832E
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +6.5V	200MXuA	CMOS	CMOS/uA		CDP1833CD
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +6.5V	200MXuA	CMOS	CMOS/TS		CDP1833CE
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10.5V	50MXuA	CMOS	CMOS/TS		CDP1833D
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +10.5V	50MXuA	CMOS	CMOS/TS		CDP1833E
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS/TS		CDP1834CD
RCA	DIL-24/2P	CMOS	-40C/+75C	+4V TO +6.5V	500MXuA	CMOS	CMOS/TS		CDP1834CE
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10.5V	100MXuA	CMOS	CMOS/TS		CDP1834D
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +10.5V	100MXuA	CMOS	CMOS/TS		CDP1834E
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +6.5V	100MXuA	TTL	TTL/TS		CDP1842CD
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +6.5V	200MXuA	CMOS	CMOS		CDP1851CD
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +6.5V	200MXuA	CMOS	CMOS		CDP1851CE
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +10.5V	50MXuA	CMOS	CMOS		CDP1851D
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +10.5V	50MXuA	CMOS	CMOS		CDP1851E
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS/TS		CDP1852CD
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1852CE
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10.5V	100MXuA	CMOS	CMOS/TS		CDP1852D
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +10.5V	100MXuA	CMOS	CMOS		CDP1852E
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1853CD
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1853CE

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
CDP1853D	DECDR	.	1-OF-8 N-BIT DECODER	CDP1802
CDP1853E	DECDR	.	1-OF-8 N-BIT DECODER	CDP1802
CDP1854ACD	UART	5-8BIT	UNIVERSAL PROGRAMMABLE ASYNCHRONOUS RECEIVER-TRANSMITTER/2-MODE	CDP1802
CDP1854ACE	UART	5-8BIT	UNIVERSAL PROGRAMMABLE ASYNCHRONOUS RECEIVER-TRANSMITTER/2-MODE	CDP1802
CDP1854AD	UART	5-8BIT	UNIVERSAL PROGRAMMABLE ASYNCHRONOUS RECEIVER-TRANSMITTER/2-MODE	CDP1802
CDP1854AE	UART	5-8BIT	UNIVERSAL PROGRAMMABLE ASYNCHRONOUS RECEIVER-TRANSMITTER/2-MODE	CDP1802
CDP1854CD	UART	5-8BIT	UNIVERSAL PROGRAMMABLE ASYNCHRONOUS RECEIVER-TRANSMITTER/2-MODE	CDP1802
CDP1854CE	UART	5-8BIT	UNIVERSAL PROGRAMMABLE ASYNCHRONOUS RECEIVER-TRANSMITTER/2-MODE	CDP1802
CDP1854D	UART	5-8BIT	UNIVERSAL PROGRAMMABLE ASYNCHRONOUS RECEIVER-TRANSMITTER/2-MODE	CDP1802
CDP1854E	UART	5-8BIT	UNIVERSAL PROGRAMMABLE ASYNCHRONOUS RECEIVER-TRANSMITTER/2-MODE	CDP1802
CDP1855CD	ARU	8-BIT	PROGRAMMABLE 8-BIT MULTIPLY-DIVIDE UNIT	CDP1802
CDP1855CE	ARU	8-BIT	PROGRAMMABLE 8-BIT MULTIPLY-DIVIDE UNIT	CDP1802
CDP1855D	ARU	8-BIT	PROGRAMMABLE 8-BIT MULTIPLY-DIVIDE UNIT	CDP1802
CDP1855E	ARU	8-BIT	PROGRAMMABLE 8-BIT MULTIPLY-DIVIDE UNIT	CDP1802
CDP1856CD	BUFFR	4-BIT	4-BIT BUS BUFFER-SEPARATOR/NON-INVERTING/EXT. MEM. IFACE	CDP1802
CDP1856CE	BUFFR	4-BIT	4-BIT BUS BUFFER-SEPARATOR/NON-INVERTING/EXT. MEM. IFACE	CDP1802
CDP1856D	BUFFR	4-BIT	4-BIT BUS BUFFER-SEPARATOR/NON-INVERTING/EXT. MEM. IFACE	CDP1802
CDP1856E	BUFFR	4-BIT	4-BIT BUS BUFFER-SEPARATOR/NON-INVERTING/EXT. MEM. IFACE	CDP1802
CDP1857CD	BUFFR	4-BIT	4-BIT BUS BUFFER-SEPARATOR/NON-INVERTING/IO DEVICES IFACE	CDP1802
CDP1857CE	BUFFR	4-BIT	4-BIT BUS BUFFER-SEPARATOR/NON-INVERTING/IO DEVICES IFACE	CDP1802
CDP1857D	BUFFR	4-BIT	4-BIT BUS BUFFER-SEPARATOR/NON-INVERTING/IO DEVICES IFACE	CDP1802
CDP1857E	BUFFR	4-BIT	4-BIT BUS BUFFER-SEPARATOR/NON-INVERTING/IO DEVICES IFACE	CDP1802
CDP1858CD	LATCH	4-BIT	4-BIT LATCH WITH DECODE/INTERFACE TO 32 CDP1822 RAMS/NON-INV.	CDP1802
CDP1858CE	LATCH	4-BIT	4-BIT LATCH WITH DECODE/INTERFACE TO 32 CDP1822 RAMS/NON-INV.	CDP1802
CDP1858D	LATCH	4-BIT	4-BIT LATCH WITH DECODE/INTERFACE TO 32 CDP1822 RAMS/NON-INV.	CDP1802
CDP1858E	LATCH	4-BIT	4-BIT LATCH WITH DECODE/INTERFACE TO 32 CDP1822 RAMS/NON-INV.	CDP1802
CDP1859CD	LATCH	4-BIT	4-BIT LATCH WITH DECODE/INTERFACE TO 32 CDP1821 RAMS/NON-INV.	CDP1802
CDP1859CE	LATCH	4-BIT	4-BIT LATCH WITH DECODE/INTERFACE TO 32 CDP1821 RAMS/NON-INV.	CDP1802
CDP1859D	LATCH	4-BIT	4-BIT LATCH WITH DECODE/INTERFACE TO 32 CDP1821 RAMS/NON-INV.	CDP1802
CDP1859E	LATCH	4-BIT	4-BIT LATCH WITH DECODE/INTERFACE TO 32 CDP1821 RAMS/NON-INV.	CDP1802
CDP1861CD	VDUC	8-BIT	VIDEO DISPLAY CONTROLLER	CDP1802
CDP1862CD	SPECL	8-BIT	COLOR GENERATOR CONTROLLER/IFACE DIRECT WITH CDP1861 VDUC	CDP1802
CDP1862CE	SPECL	8-BIT	COLOR GENERATOR CONTROLLER/IFACE DIRECT WITH CDP1861 VDUC	CDP1802
CDP1863CD	CLOCK	8-BIT	8-BIT PROGRAMMABLE FREQUENCY GENERATOR/256 O-P FREQS. FROM 1 IP	CDP1802
CDP1863CE	CLOCK	8-BIT	8-BIT PROGRAMMABLE FREQUENCY GENERATOR/256 O-P FREQS. FROM 1 IP	CDP1802
CDP1863D	CLOCK	8-BIT	8-BIT PROGRAMMABLE FREQUENCY GENERATOR/256 O-P FREQS. FROM 1 IP	CDP1802
CDP1863E	CLOCK	8-BIT	8-BIT PROGRAMMABLE FREQUENCY GENERATOR/256 O-P FREQS. FROM 1 IP	CDP1802
CDP1864CD	SPECL	8-BIT	PAL COMPATIBLE COLOR TV INTERFACE	CDP1802
CDP1864CE	SPECL	8-BIT	PAL COMPATIBLE COLOR TV INTERFACE	CDP1802
CDP1866CD	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 1024X8 RAMS	CDP1802
CDP1866CE	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 1024X8 RAMS	CDP1802
CDP1866D	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 1024X8 RAMS	CDP1802
CDP1866E	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 1024X8 RAMS	CDP1802
CDP1867CD	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 4096X8 RAMS	CDP1802
CDP1867CE	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 4096X8 RAMS	CDP1802
CDP1867D	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 4096X8 RAMS	CDP1802
CDP1867E	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 4096X8 RAMS	CDP1802
CDP1868CD	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 1024X8 RAMS/FOR 1861,1862	CDP1802
CDP1868CE	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 1024X8 RAMS/FOR 1861,1862	CDP1802
CDP1868D	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 1024X8 RAMS/FOR 1861,1862	CDP1802
CDP1868E	MEMCT	4-BIT	4-BIT LATCH AND DECODER MEM. IFACE/FOR 1024X8 RAMS/FOR 1861,1862	CDP1802
CDP1869CD	SPECL	8-BIT	VIDEO INTERFACE SYSTEM/ADDRESS AND SOUND GEN./PAIRS WITH 1870	CDP1802
CDP1869CE	SPECL	8-BIT	VIDEO INTERFACE SYSTEM/ADDRESS AND SOUND GEN./PAIRS WITH 1870	CDP1802
CDP1870CD	SPECL	8-BIT	VIDEO INTERFACE SYSTEM/COLOR VIDEO GEN./PAIRS WITH 1869	CDP1802
CDP1870CE	SPECL	8-BIT	VIDEO INTERFACE SYSTEM/COLOR VIDEO GEN./PAIRS WITH 1869	CDP1802
CDPR512	MROM	8-BIT	UT4 UTILITY PROGRAM OFF-SHELF STANDARD ROM/4K=512X8(CDP1832)	CDP1802
CDPR522	MROM	8-BIT	MICROTERMINAL CONTROLLER OFF-SHELF STANDARD ROM/4K=512X8-CDP1832	CDP1802
CDPR582	MROM	8-BIT	FIXED-POINT ARITHMETIC OFF-SHELF STANDARD ROM/8K=1024X8-CDP1833D	CDP1802
CM3101	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS 1CS LINES	GEN. PURP.
CM3101A	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CS LINES	GEN. PURP.
CP1600A-CERAMIC	MPU	16-BIT	SINGLE-CHIP CPU OF 1600 FAMILY (APP. B)/400NS MAX. MICROCYCLE	1600
CP1600A-PLASTIC	MPU	16-BIT	SINGLE-CHIP CPU OF 1600 FAMILY (APP. B)/400NS MAX. MICROCYCLE	1600
CP1600-CERAMIC	MPU	16-BIT	SINGLE-CHIP CPU OF 1600 FAMILY (APP. B)/600NS MAX. MICROCYCLE	1600
CP1600-PLASTIC	MPU	16-BIT	SINGLE-CHIP CPU OF 1600 FAMILY (APP. B)/600NS MAX. MICROCYCLE	1600
CP1610-CERAMIC	MPU	16-BIT	SINGLE-CHIP CPU OF 1600 FAMILY (APP. B)-1000NS MAX. MICROCYCLE	1600
CP1610-PLASTIC	MPU	16-BIT	SINGLE-CHIP CPU OF 1600 FAMILY (APP. B)-1000NS MAX. MICROCYCLE	1600
D1103	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
D1103A	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 205NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
D2101A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
D2101A2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
D2101A4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
D2102A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
D2102A-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
D2102A-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
D2102A-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1853D
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1853E
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +6.5V	200MXuA	CMOS	CMOS		CDP1854ACD
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +6.5V	200MXuA	CMOS	CMOS		CDP1854ACE
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +10.5V	50MXuA	CMOS	CMOS		CDP1854AD
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +10.5V	50MXuA	CMOS	CMOS		CDP1854AE
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +6.5V	500TPuA	CMOS	CMOS	CDP1854ACD	CDP1854CD
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +6.5V	500TPuA	CMOS	CMOS	CDP1854ACE	CDP1854CE
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +10.5C	100TPuA	CMOS	CMOS	CDP1854AD	CDP1854D
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +10.5V	100TPuA	CMOS	CMOS	CDP1854AE	CDP1854E
RCA	DIL-28/2C	CMOS	-55C/+125C	+4V TO +6.5V	200MXuA	CMOS	CMOS		CDP1855CD
RCA	DIL-28/2P	CMOS	-40C/+85C	+4V TO +6.5V	200MXuA	CMOS	CMOS		CDP1855CE
RCA	DIL-28/2C	CMOS	-55C/+125C	+4V TO +10.5V	50MXuA	CMOS	CMOS		CDP1855D
RCA	DIL-28/2P	CMOS	-40C/+85C	+4V TO +10.5V	50MXuA	CMOS	CMOS		CDP1855E
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1856CD
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1856CE
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1856D
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +10.5C	10MXuA	CMOS	CMOS		CDP1856E
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1857CD
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1857CE
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +10.5C	10MXuA	CMOS	CMOS		CDP1857D
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1857E
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1858CD
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1858CE
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1858D
RCA	DIL-16/1P	CMOS	-40C/+85C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1858E
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1859CD
RCA	DIL-16/1C	CMOS	-40C/+85C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1859CE
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1859D
RCA	DIL-16/1C	CMOS	-40C/+85C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1859E
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +6.5V	500TPuA	CMOS	CMOS		CDP1861CD
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10.5V	500MXuA	CMOS	CMOS		CDP1862CD
RCA	DIL-24/2P	CMOS	-40C/+85C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1862CE
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1863CD
RCA	DIL-16/1P	CMOS	-50C/+85C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1863CE
RCA	DIL-16/1C	CMOS	-55C/+125C	+4V TO +10.5V	500MXuA	CMOS	CMOS		CDP1863D
RCA	DIL-16/1P	CMOS	-50C/+85C	+4V TO +10.5V	500MXuA	CMOS	CMOS		CDP1863E
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1864CD
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1864CE
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1866CD
RCA	DIL-18/1P	CMOS	-40C/+85C	+5V TO +6.5V	50MXuA	CMOS	CMOS		CDP1866CE
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1866D
RCA	DIL-18/1P	CMOS	-40C/+85C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1866E
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1867CD
RCA	DIL-18/1P	CMOS	-40C/+85C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1867CE
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1867D
RCA	DIL-18/1P	CMOS	-40C/+85C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1867E
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1868CD
RCA	DIL-18/1P	CMOS	-40C/+85C	+4V TO +6.5V	50MXuA	CMOS	CMOS		CDP1868CE
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1868D
RCA	DIL-18/1P	CMOS	-40C/+85C	+4V TO +10.5V	10MXuA	CMOS	CMOS		CDP1868E
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1869CD
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1869CE
RCA	DIL-40/2C	CMOS	-55C/+125C	+4V TO +6.5V	500MXuA	CMOS	CMOS		CDP1870CD
RCA	DIL-40/2P	CMOS	-40C/+85C	+4V TO +10.5V	500MXuA	CMOS	CMOS		CDP1870CE
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10.5V	100MXuA	CMOS	CMOS/TS		CDPR512
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10.5V	100MXuA	CMOS	CMOS/TS		CDPR522
RCA	DIL-24/2C	CMOS	-55C/+125C	+4V TO +10.5V	50MXuA	CMOS	CMOS/TS		CDPR582
INL	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	CM3101A	CM3101
INL	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC		CM3101A
GEI	DIL-40/2C	NMOS	0C/+70C	-3V/+5V/+12V	110MXMA	TTL	TTL		CP1600A-CERAMIC
GEI	DIL-40/2P	NMOS	0C/+70C	-3Y/+5V/+12V	110MXMA	TTL	TTL		CP1600A-PLASTIC
GEI	DIL-40/2C	NMOS	0C/+70C	-3V/+5V/+12V	110MXMA	TTL	TTL	CP1600A-CER	CP1600-CERAMIC
GEI	DIL-40/2P	NMOS	0C/+70C	-3V/+5V/+12V	110MXMA	TTL	TTL	CP1600A-PLAS	CP1600-PLASTIC
GEI	DIL-40/2C	NMOS	0C/+70C	-3V/+5V/+10V	110MXMA	TTL	TTL		CP1610-CERAMIC
GEI	DIL-40/2P	NMOS	0C/+70C	-3V/+5V/+10V	110MXMA	TTL	TTL		CP1610-PLASTIC
INL	DIL-18/1C	PMOS	0C/+70C	+16V/+19V	25MXMA	MOS	SENSE AMP	ITT1103	D1103
INL	DIL-18/1C	PMOS	0C/+70C	+19V/+22.5V	25MXMA	MOS	SENSE AMP	SY1103A	D1103A
INL	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	MM2101A	D2101A
INL	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2101A-2	D2101A2
INL	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B2101A-4	D2101A4
INL	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	C2102A	D2102A
INL	DIL-16/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2102A-1	D2102A-1
INL	DIL-16/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	SAB2102A-4-D	D2102A-2
INL	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	MC2102A-4	D2102A-4

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
D2102A-6	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
D2102AL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
D2102AL2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
D2102AL4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
D2104	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 650NS/6 ADDRESS 1CS LINES	GEN. PURP.
D2104A	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 ADDRESS 1CS LINES	GEN. PURP.
D2104A-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 ADDRESS 1CS LINES	GEN. PURP.
D2104A-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS 1CS LINES	GEN. PURP.
D2104A-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS 1CS LINES	GEN. PURP.
D2104A-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS 1CS LINES	GEN. PURP.
D2104-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6 ADDRESS 1CS LINES	GEN. PURP.
D2107C	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2107C-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2107C-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2107C4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2109-3	DRAM	1-BIT	8K=8192X1/MAX. ACCESS 200NS	GEN. PURP.
D2109-4	DRAM	1-BIT	8K=8192X1/MAX. ACCESS 250NS	GEN. PURP.
D2111A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
D2111A-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
D2111A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	8080
D2112A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 1CE ADDRESS LINES	8080
D2112A-2	SRAM	4-BIT	1K=256X4=MAX. ACCESS 250NS/5X 3Y 1CE ADDRESS LINES	9080
D2112A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDRESS LINES	9080
D2114	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
D2114L	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
D2114L-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	4040
D2114L-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	4040
D2114-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
D2114-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	4040
D2115	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2115A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2115A-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2115AL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2115AL-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2115H-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 25NS/5X 5Y 1CS ADDRESS LINES/HIGH SPEED	GEN. PURP.
D2115H-3	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 30NS/5X 5Y 1CS ADDRESS LINES/HIGH SPEED	GEN. PURP.
D2115H-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES/HIGH SPEED	GEN. PURP.
D2115L	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2115-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2117-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 ADDRESS LINES	GEN. PURP.
D2117-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 ADDRESS LINES	GEN. PURP.
D2117-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 ADDRESS LINES	GEN. PURP.
D2117-5	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 ADDRESS LINES	GEN. PURP.
D2118-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 80NS/7 MUX. ADDRESS LINES/16MXMW STNDBY	GEN. PURP.
D2118-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 100NS/7 MUX. ADDRESS LINES/16MXMW STNDBY	GEN. PURP.
D2118-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 120NS/7 MUX. ADDRESS LINES/16MXMW STNDBY	GEN. PURP.
D2118-7	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX. ADDRESS LINES/16MXMW STNDBY	GEN. PURP.
D2125	SRAM	1-BIT	1K=1024X10MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2125A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2125A-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2125AL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2125AL2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2125H-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 20NS/5X 5Y 1CS ADDRESS LINES/HIGH SPEED	GEN. PURP.
D2125H-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 25NS/5X 5Y 1CS ADDRESS LINES/HIGH SPEED	GEN. PURP.
D2125H-3	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 30NS/5X 5Y 1CS ADDRESS LINES/HIGH SPEED	GEN. PURP.
D2125H-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES/HIGH SPEED	GEN. PURP.
D2125L	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2125-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
D2141L-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2141L-4	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2141L-5	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2141-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 120NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2141-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2141-4	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2141-5	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2147	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2147H-1	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 35NS/6X 6Y 1CS ADDRESS LINES/HIGH SPEED	GEN. PURP.
D2147H-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 45NS/6X 6Y 1CS ADDRESS LINES/HIGH SPEED	GEN. PURP.
D2147L	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2147-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
D2148	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 70NS/6X 4Y 1CE ADDRESS LINES/AUTO PWR DOWN	GEN. PURP.
D2148-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 55NS/6X 4Y 1CE ADDRESS LINES/AUTO PWR DOWN	GEN. PURP.
D2148-6	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 85NS/6X 4Y 1CE ADDRESS LINES/AUTO PWR DOWN	GEN. PURP.
D2308	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
D2316A	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/ 11 ADDRESS 3CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	MC2102A-6	D2102A-6
INL	DIL-16/1C	NMOS	0C/+70C	+5V	33MXMA	TTL	TTL/TS	SAB2102AL	D2102AL
INL	DIL-16/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS		D2102AL2
INL	DIL-16/1C	NMOS	0C/+70C	+5V	33MXMA	TTL	TTL/TS	SAB2102AL	D2102AL4
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4096P-11	D2104
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4027N-3	D2104A
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4027P-2	D2104A-1
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	32MXMA	TTL	TTL/TS	MK4027P-3	D2104A-2
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	30MXMA	TTL	TTL/TS	MK4027P-3	D2104A-3
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	30MXMA	TTL	TTL/TS	MK4027P-3	D2104A-4
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4096P-11	D2104-4
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MM5280	D2107C
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MM5280	D2107C-1
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MM5280	D2107C-2
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MM5280	D2107C4
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	C2109-3	D2109-3
INL	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	C2109-4	D2109-4
INL	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	SYC2111A	D2111A
INL	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A-2	D2111A-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A-2	D2111A-4
INL	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	C2112A	D2112A
INL	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A-2	D2112A-2
INL	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A-4	D2112A-4
INL	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	C2114	D2114
INL	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	IM2114LCJN	D2114L
INL	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	MCM2114P-20	D2114L-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	MCM2114P-30	D2114L-3
INS	DIL-18/1C	NMOS	0C/+75C	+5V	90MXMA	TTL	TTL/TS	C2114-2	D2114-2
INL	DIL-18/1C	NMOS	0C/+80C	+5V	120MXMA	TTL	TTL/TS	MCM2114P-30	D2114-3
INL	DIL-16/1C	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/OC	D2115A-2	D2115
INL	DIL-16/1C	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/OC	93415ADC	D2115A
INL	DIL-16/1C	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/OC	93415ADC	D2115A-2
INL	DIL-16/1C	NMOS	0C/+75C	+5V	75MXMA	TTL	TTL/OC	93L415DC	D2115AL
INL	DIL-16/1C	NMOS	0C/+75C	+5V	75MXMA	TTL	TTL/OC	93L415ADC	D2115AL-2
INL	DIL-16/1C	NMOS	0C/+75C	+5V		TTL	TTL/OC		D2115H-2
INL	DIL-16/1C	NMOS	0C/+75C	+5V		TTL	TTL/OC		D2115H-3
INL	DIL-16/1C	NMOS	0C/+75C	+5V		TTL	TTL/OC		D2115H-4
INL	DIL-16/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/OC	D2115AL-2	D2115L
INL	DIL-16/1C	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/OC	D2115A-2	D2115-2
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4116-2	D2117-2
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4116-3	D2117-3
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4116-4	D2117-4
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4116-4	D2117-5
INL	DIL-16/1C	NMOS	0C/+70C	+5V	160MXMW	TTL	TTL/TS		D2118-2
INL	DIL-16/1C	NMOS	0C/+70C	+5V	160MXMW	TTL	TTL/TS		D2118-3
INL	DIL-16/1C	NMOS	0C/+70C	+5V	160MXMW	TTL	TTL/TS		D2118-4
INL	DIL-16/1C	NMOS	0C/+70C	+5V	160MXMW	TTL	TTL/TS		D2118-7
INL	DIL-16/1C	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/TS	D2125A-2	D2125
INL	DIL-16/1C	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/TS	93425ADC	D2125A
INL	DIL-16/1C	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/TS	93425ADC	D2125A-2
INL	DIL-16/1C	NMOS	0C/+75C	+5V	75MXMA	TTL	TTL/TS	93L425DC	D2125AL
INL	DIL-16/1C	NMOS	0C/+75C	+5V	75MXMA	TTL	TTL/TS	93L425ADC	D2125AL2
INL	DIL-16/1C	NMOS	0C/+75C	+5V		TTL	TTL/TS		D2125H-1
INL	DIL-16/1C	NMOS	0C/+75C	+5V		TTL	TTL/TS		D2125H-2
INL	DIL-16/1C	NMOS	0C/+75C	+5V		TTL	TTL/TS		D2125H-3
INL	DIL-16/1C	NMOS	0C/+75C	+5V		TTL	TTL/TS		D2125H-4
INL	DIL-16/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	D2125AL2	D2125L
INL	DIL-16/1C	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/TS	D2125A-2	D2125-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MCM66L41L-20	D2141L-3
INL	DIL-18/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MCM66L41C-20	D2141L-4
INL	DIL-18/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MCM66L41C-25	D2141L-5
INL	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM6641C-20	D2141-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V	100	TTL	TTL/TS	MCM6641L-20	D2141-3
INL	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM6641L-20	D2141-4
INL	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM6641L-20	D2141-5
INL	DIL-18/1C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	MCM2147C-70	D2147
INL	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL-TS		D2147H-1
INL	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS		D2147H-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	MCM2147C-70	D2147L
INL	DIL-18/1C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	MCM2147C-55	D2147-3
INL	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS		D2148
INL	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS		D2148-2
INL	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS		D2148-6
INL	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	840MXMW	TTL	TTL/TS	MK30000P	D2308
INL	DIL-24/2C	NMOS	0C/+70C	+5V	98MXMA	TTL	TTL/TS	MK31000P-3	D2316A

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
D2316E	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES/E-PINOUT	8080
D2332A	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES/30MXMA STANDBY	GEN. PURP.
D2364A	MROM	8-BIT	64K=8192X8/MAX. ACCESS 450NS/13 ADDRESS 1CS LINES	GEN. PURP.
D2608	PROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/10 ADDRESS 1CS LINES	GEN. PURP.
D2708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
D2708L	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES/LUW POWER	GEN. PURP.
D2708-1	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
D2716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
D2716-1	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
D2716-2	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 390NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
D2732	EPROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/11 ADDRESS 1CE LINES	GEN. PURP.
D2758	EPROM	1-BIT	8K=8196X1/MAX. ACCESS 450NS/10 ADDRESS LINES/132MXMW STANDBY	GEN. PURP.
D2910	SPECL	8-BIT	PCM CODEC-uLAW 8-BIT COMPANDED A-D AND D-A CONVERTER	GEN. PURP.
D2911	SPECL	8-BIT	PCM CODEC-A-LAW 8-BIT COMPANDED A-D AND D-A CONVERTER	GEN. PURP.
D2912	SPECL		PCM LINE FILTERS/USED WITH D2910 AND D2911	GEN. PURP.
D3001	MCU	2-BIT	MICROPROGRAM CONTROL UNIT FOR 3000 2-BIT-SLICE FAMILY	3000
D3002	CPEBS	2-BIT	CENTRAL PROCESSING ELEMENT OF 3000 2-BIT SLICE FAM.	3000
D3003	LAHCG	8-BIT	LOOK AHEAD CARRY GENERATOR FOR 3000 2-BIT-SLICE FAM.	3000
D3101	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS 1CS LINES	GEN. PURP.
D3101A	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CS LINES	GEN. PURP.
D3104	CAM	4-BIT	16=4X4/MAX. ACCESS 30NS/4 ADDRESS LINES	GEN. PURP.
D3205	DECDR	3-BIT	1-OF-8 BINARY DECODER/MAX. DELAY 18NS	GEN. PURP.
D3207A	LVLSH	4-BIT	QUAD BIPOLAR-TO-MOS LEVEL SHIFTER AND DRIVER FOR 1103 MEM. CHIP	GEN. PURP.
D3207A-1	LVLSH	4-BIT	QUAD BIPOLAR-TO-MOS LEVEL SHIFTER AND DRIVER FOR 1103-1 MEM CHIP	GEN. PURP.
D3208A	SAMP	6-BIT	HEX BIPOLAR SENSE AMP. FOR MOS CIRCUITS	GEN. PURP.
D3212	LATCH	8-BIT	MULTIMODE LATCH BUFFER/8 D-TYPE LATCHES/MAX. WRITE CYCLE 50NS	3000
D3214	ITRPC	8-BIT	INTERRUPT CONTROL UNIT	3000
D3216	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER	3000
D3222	DMI	1-BIT	REFRESH CONTROLLER FOR 4K DRAMS (SUCH AS 2107)/6 ADDRESS LINES	GEN. PURP.
D3226	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER/INVERTING	3000
D3232	DMI	.	DRAM ADDRESS MUX AND REFRESH COUNTER (EG 2104 AND 4027)	GEN. PURP.
D3242	DMI	.	ADDRESS MUX AND REFRESH COUNTER FOR 16K DRAMS (EG 2116 AND 4116)	GEN. PURP.
D3245	LVLSH	4-BIT	QUAD TTL-TO-MOS DRIVER	GEN. PURP.
D3404	LATCH	6-BIT	HIGH SPEED 6-BIT LATCH/MAX. DELAY 12NS	GEN. PURP.
D3408	SAMP	6-BIT	HEX BIPOLAR SENSE AMP. WITH LATCH FOR MOS CIRCUITS	GEN. PURP.
D3408A	SAMP	6-BIT	HEX BIPOLAR SENSE AMP. WITH LATCH FOR MOS CIRCUITS	GEN. PURP.
D3601	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/8 ADDRESS 2CS LINES	GEN. PURP.
D3601-1	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CS LINES	GEN. PURP.
D3602	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1CS LINES	GEN. PURP.
D3602A	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1CS LINES/MODIFIED PROGRAMNG	GEN. PURP.
D3602A-2	PROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/9 ADDRESS 1CS LINES/MODIFIED PROGRAMNG	GEN. PURP.
D3602-4	PROM	4-BIT	2K=512X4/MAX. ACCESS 90NS/9 ADDRESS 1CS LINES	GEN. PURP.
D3604	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES	GEN. PURP.
D3604A	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES	GEN. PURP.
D3604A-2	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 4CS LINES/MOD. PROGRAMMING	GEN. PURP.
D3604AL	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/MOD. PROG./LOW PWR	GEN. PURP.
D3604L-6	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/LOW POWER	GEN. PURP.
D3604-4	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES	GEN. PURP.
D3605	PROM	4-BIT	4K=1024X4/MAX. ACCESS 70NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
D3605A	PROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
D3605A-1	PROM	4-BIT	4K=1024X4/MAX. ACCESS 50NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
D3605-2	PROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
D3608	PROM	8-BIT	8K=1024X8/MAX. ACCESS 80NS/10 ADDRESS 4CS LINES	GEN. PURP.
D3608-4	PROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 4CS LINES	GEN. PURP.
D3621	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/8 ADDRESS 2CS LINES	GEN. PURP.
D3621-1	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CS LINES	GEN. PURP.
D3622	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1CS LINES	GEN. PURP.
D3622A	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1CS LINES/MODIFIED PROGRAMNG	GEN. PURP.
D3622A-2	PROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/9 ADDRESS 1CS LINES/MODIFIED PROGRAMNG	GEN. PURP.
D3622-4	PROM	4-BIT	2K=512X4/MAX. ACCESS 90NS/9 ADDRESS 1CS LINES	GEN. PURP.
D3624	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES/MOD. PROGRAMMING	GEN. PURP.
D3624A	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES/MOD. PROGRAMMING	GEN. PURP.
D3624A-2	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 4CS LINES/MOD. PROGRAMMING	GEN. PURP.
D3624-4	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES	GEN. PURP.
D3625	PROM	4-BIT	4K=1024X4/MAX. ACCESS 70NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
D3625A	PROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
D3625A-1	PROM	4-BIT	4K=1024X4/MAX. ACCESS 50NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
D3625-2	PROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
D3628	PROM	8-BIT	8K=1024X8/MAX. ACCESS 80NS/10 ADDRESS 4CS LINES	GEN. PURP.
D3628-4	PROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 4CS LINES	GEN. PURP.
D3636	PROM	8-BIT	16K=2048X8/MAX. ACCESS 80NS/11 ADDRESS 3CS LINES	GEN. PURP.
D3636-1	PROM	8-BIT	16K=2048X8/MAX. ACCESS 65NS/11 ADDRESS 3CS LINES	GEN. PURP.
D4002-1	RAMIO	4-BIT	320=4X20X4 RAM + 4-BIT OUTPUT PORT/CHIP SELECTION OPTION 1	4004/4040
D4002-2	RAMIO	4-BIT	320=4X20X4 RAM + 4-BIT OUTPUT PORT/CHIP SELECTION OPTION 2	4004/4040
D4003	SHFTR	10-BIT	SHIFT REGISTER, SERIAL INPUT, PARALLEL OUPUT	4004/4040

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-24/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	MK34000P-3	D2316E
INL	DIL-24/2C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	uPD2332C	D2332A
INL	DIL-28/2C	NMOS	0C/+75C	+5V		TTL	TTL/TS	uPD2364D	D2364A
INL	DIL-24/2C	NMOS	0C/+70C	+5V	800MXMW	TTL	TTL/TS		D2608
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	MM2708Q	D2708
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS		D2708L
INL	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	MM2708Q-1	D2708-1
INL	DIL-24/2Q	NMOS	0C/+70C	+5V	105MXMA	TTL	TTL/TS	MCM2716	D2716
INL	DIL-24/2Q	NMOS	0C/+70C	+5V	105MXMA	TTL	TTL/TS	B2716-1	D2716-1
INL	DIL-24/2Q	NMOS	0C/+70C	+5V	105MXMA	TTL	TTL/TS	B2716-2	D2716-2
INL	DIL-24/2Q	NMOS	0C/+70C	+5V	750MXMW	TTL	TTL/TS	B2732	D2732
INL	DIL-24/2Q	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	B2758	D2758
INL	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	230TPMW	TTL	TTL		D2910
INL	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	230TPMW	TTL	TTL		D2911
INL	DIL-16/1C	NMOS	0C/+70C	-5V/+5V	280MXMW				D2912
INL	DIL-40/2C	STLB	0C/+70C	+5V	240MXMA	TTL	TTL /TS+OC		D3001
INL	DIL-28/2C	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	N3002-I	D3002
INL	DIL-28/2C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL	SAB3003-D	D3003
INL	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	P3101A	D3101
INL	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	P3101A	D3101A
INL	DIL-24/2C	TTLB	0C/+75C	+5V	125MXMA	TTL	TTL/OC	C3104	D3104
INL	DIL-16/1C	TTLB	0C/+75C	+5V	70MXMA	TTL	TTL	C3205	D3205
INL	DIL-16/1C	TTLB	0C/+70C	+5V/+16V/+19V	900MXMW	TTL	MOS	D3207A-1	D3207A
INL	DIL-16/1C	TTLB	0C/+70C	+5V/+19V/+23V	1.04MXW	TTL	MOS		D3207A-1
INL	DIL-18/1C	STLB	0C/+70C	+5V	120MXMA	MOS	TTL/OC	P3208A	D3208A
INL	DIL-24/2C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	P3212	D3212
INL	DIL-24/2C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL	P3214	D3214
INL	DIL-16/1C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	P3216	D3216
INL	DIL-22/2C	STLB	0C/+75C	+5V	120MXMA	TTL	TTL	B3222	D3222
INL	DIL-16/1C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	SAB3226-D	D3226
INL	DIL-24/2C	TTLB	0C/+75C	+5V	150MXMA	TTL	TTL	MC3232AL	D3232
INL	DIL-28/2C	STLB	0C/+75C	+5V	165MXMA	TTL	TTL	MC3242AL	D3242
INL	DIL-16/1C	STLB	0C/+75C	+5V/+12V	485MXMW	TTL	MOS	MC3245L	D3245
INL	DIL-16/1C	TTLB	0C/+75C	+5V	75MXMA	TTL	TTL	SAB3404-P	D3404
INL	DIL-18/1C	STLB	0C/+70C	+5V	125MXMA	MOS	TTL/TS	D3408A	D3408
INL	DIL-18/1C	STLB	0C/+70C	+5V	125MXMA	MOS	TTL/TS		D3408A
INL	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC	D3601-1	D3601
INL	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		D3601-1
INL	DIL-16/1C	TTLB	0C/+75C	+5V	140MXMA	TTL	TTL/OC	MK3602P	D3602
INL	DIL-16/1C	TTLB	0C/+75C	+5V	140MXMA	TTL	TTL/OC	D3602A-2	D3602A
INL	DIL-16/1C	TTLB	0C/+75C	+5V	140MXMA	TTL	TTL/OC		D3602A-2
INL	DIL-16/1C	TTLB	0C/+75C	+5V	140MXMA	TTL	TTL/OC	D3602	D3602-4
INL	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC	SAB3604-D	D3604
INL	DIL-24/2C	TTLB	0C/+75C	+5V	175MXMA	TTL	TTL/OC	D3604A-2	D3604A
INL	DIL-24/2C	TTLB	0C/+75C	+5V	175MXMA	TTL	TTL/OC		D3604A-2
INL	DIL-24/2C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		D3604AL
INL	DIL-24/2C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC	SAB3604L-6-D	D3604L-6
INL	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC	SAB3604-4-D	D3604-4
INL	DIL-18/1C	TTLB	0C/+75C	+5V	150MXMA	TTL	TTL/OC	D3625A	D3605
INL	DIL-18/1C	TTLB	0C/+75C	+5V		TTL	TTL/OC	D3625A	D3605A
INL	DIL-18/1C	TTLB	0C/+75C	+5V		TTL	TTL/OC	D3625A-1	D3605A-1
INL	DIL-18/1C	TTLB	0C/+75C	+5V	150MXMA	TTL	OC	D3625A	D3605-2
INL	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC		D3608
INL	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC	D3608	D3608-4
INL	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	D3621-1	D3621
INL	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS		D3621-1
INL	DIL-16/1C	TTLB	0C/+75C	+5V	140MXMA	TTL	TTL/TS	D3622A	D3622
INL	DIL-16/1C	TTLB	0C/+75C	+5V	140MXMA	TTL	TTL/TS	D3622A-2	D3622A
INL	DIL-16/1C	TTLB	0C/+75C	+5V	140MXMA	TTL	TTL/TS		D3622A-2
INL	DIL-16/1C	TTLB	0C/+75C	+5V	140MXMA	TTL	TTL/TS	D3622	D3622-4
INL	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/TS	SAB3624-D	D3624
INL	DIL-24/2C	TTLB	0C/+75C	+5V	175MXMA	TTL	TTL/TS	D3624A-2	D3624A
INL	DIL-24/2C	TTLB	0C/+75C	+5V	175MXMA	TTL	TTL/TS		D3624A-2
INL	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/TS	SAB3624-4-D	D3624-4
INL	DIL-18/1C	TTLB	0C/+75C	+5V	150MXMA	TTL	TTL/TS	D3625A	D3625
INL	DIL-18/1C	TTLB	0C/+75C	+5V		TTL	TTL/TS	D3625A-1	D3625A
INL	DIL-18/1C	TTLB	0C/+75C	+5V		TTL	TTL/TS		D3625A-1
INL	DIL-18/1C	TTLB	0C/+75C	+5V	150MXMA	TTL	TTL/TS	D3625A	D3625-2
INL	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/TS		D3628
INL	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/TS	D3628	D3628-4
INL	DIL-24/2C	STLB	0C/+70C	+5V	185MXMA	TTL	TTL/TS		D3636
INL	DIL-24/2C	STLB	0C/+70C	+5V	185MXMA	TTL	TTL/TS		D3636-1
INL	DIL-16/1C	PMOS	0C/+70C	-10V/+5V	33MXMA	TTL	TTL	SAB4002-1-P	D4002-1
INL	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	33MXMA	TTL	TTL	SAB4002-2-P	D4002-2
INL	DIL-16/1C	PMOS	0C/+70C	-10V/+5V	8.5MXMA	TTL	TTL	SAB4003-P	D4003

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
D4004	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4004 FAMILY (APP. B)	4004
D4008	MEMCT	4-BIT	MEMORY INTERFACE UNIT/ ADDRESS LATCHING UNIT	4004/4040
D4009	IOCTR	4-BIT	I-O CONTROL UNIT FOR 4004-4040 SYSTEM (APP. B)	4004/4040
D4040	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4040 FAMILY (APP. B)	4040
D4201A	CLOCK	2-BIT	CLOCK GENERATOR/XTAL CONTROLLED/FOR 4004-4040 FAMILY (APP. B)	4004/4040
D4265	PIO	8-BIT	PROGRAMMABLE I-O DEVICE FOR 4004-4040 FAMILY (APP. B)	4004-4040
D4269	KBDSC	.	PROGRAMMABLE KEYBOARD AND DISPLAY CONTROL UNIT	4004/4040
D4289	MEMCT	4-BIT	STANDARD MEMORY INTERFACE/ADDRESS AND I-O CONTROL UNIT	4004/4040
D5101L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/15uA STANDBY	GEN. PURP.
D5101L-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/15uA STANDBY	GEN. PURP.
D5101L-3	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/200uA STANDBY	GEN. PURP.
D5235	SHFTR	4-BIT	QUAD TTL-TO-MOS DRIVER FOR 4K NMOS RAMS/MAX. RESPONSE 125NS	GEN. PURP.
D5235-1	SHFTR	4-BIT	QUAD TTL-TO-MOS DRIVER FOR 4K NMOS RAMS/MAX. RESPONSE 95NS	GEN. PURP.
D5244	CLOCK	.	QUAD CCD CLOCK DRIVER	GEN. PURP.
D8008	CPU	8-BIT	1-CHIP CPU FOR 8008 FAM. (APP. B)/ 2uS INSTRUCTION CYCLE	8008
D8008-1	CPU	8-BIT	1-CHIP CPU FOR 8008 FAM. (APP. B)/1.25uS INSTRUCTION CYCLE	8008
D8035	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS 8048	8048
D8035L	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS 8048	8048
D8039	MICMP	8-BIT	1-CHIP MICROCOMPUTER/11MHZ CLOCK/128X8 RAM/ROMLESS 8049	8048
D8039L	MICMP	8-BIT	1-CHIP MICROCOMPUTER/11MHZ CLOCK/128X8 RAM/ROMLESS 8049L	8048
D8039L-6	MICMP	8-BIT	1-CHIP MICROCOMPUTER/ 6MHZ CLOCK/128X8 RAM/ROMLESS 8049L	8048
D8039-6	MICMP	8-BIT	1-CHIP MICROCOMPUTER/ 6MHZ CLOCK/128X8 RAM/ROMLESS 8049	8048
D8041	PIA	8-BIT	UNIVERSAL PERIPHERAL INTERFACE FOR 8080-8048-8085-8086/INT. MROM	8080 ETC
D8048	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
D8049	MICMP	8-BIT	1-CHIP MICROCOMPUTER/11MHZ CLOCK/128X8 RAM/2KX8 MROM/27 IO/TIMER	8048
D8080A	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN. INSTN. CYCLE 2uS	8080
D8080A-1	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN. INSTN. CYCLE 1.3uS	8080
D8080A-2	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN. INSTN. CYCLE 1.5uS	8080
D8085	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.3uS	8085
D8085A	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.2uS	8085A
D8085A-2	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 0.8uS	8085
D8086	CPU	16-BIT	1-CHIP CPU FOR 8086 16-BIT MICROPROCESSOR SYSTEM/5MHZ CLOCK	8086
D8086-4	CPU	16-BIT	1-CHIP CPU FOR 8086 16-BIT MICROPROCESSOR SYSTEM/4MHZ CLOCK	8086
D8102A-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	8080
D8111A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/COMMON I-O	8080
D8155	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8048/8085
D8155-2	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8085A/8039
D8156	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE HIGH/SRAM/I-O PORTS/CLOCK	8048/8085
D8156-2	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE HIGH/SRAM/I-O PORTS/CLOCK	8048/8085
D8202	MEMCT	8-BIT	DYNAMIC RAM CONTROLLER (FOR 2104A, 2117, 2118 ETC)	GEN. PURP.
D8205	DECDR	3-BIT	1 OUT OF 8 BINARY DECODER/MAX. DELAY 18NS	8080
D8212	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAMILIES (APP. B)	8080-9080
D8214	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM. (APP. B)	8080
D8216	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/8080 DATA BUS BUFFER DVR	8080-9080
D8218	SPECL	8-BIT	MICROCOMPUTER BUS CONTROLLER FOR 8080A CPU + 8257 DMA	8080
D8219	SPECL	8-BIT	MICROCOMPUTER BUS CONTROLLER FOR 8085A CPU	8085A
D8224	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
D8226	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080-9080
D8228	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
D8238	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
D8243	EXPIO	4-BIT	INPUT-OUTPUT EXPANDER/4 I-O PORTS AS EXTENSION FROM ONE I-O PORT	8048
D8251	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
D8251A	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
D8253	PTM	.	PROGRAMMABLE INTERVAL TIMER/THREE 16-BIT COUNTERS/DC-2MHZ/	8080
D8253-5	PTM	.	PROGRAMMABLE INTERVAL TIMER/THREE 16-BIT COUNTERS/DC-2MHZ	8085A
D8255	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAMILY (APP. B)	8080-9080
D8255A	PIA	8-BIT	PROG. I-O PORT FOR 8080 FAM.	8080
D8255A-5	PIA	8-BIT	PROG. I-O PORT FOR 8080 FAM.	8080
D8257	DMAC	8-BIT	PROGRAMMABLE DMA CONTROLLER/MAX. ACCESS 300NS/4-CHANNEL	8080/8085
D8257-5	DMAC	8-BIT	PROGRAMMABLE DMA CONTROLLER/MAX. ACCESS 200NS/4-CHANNEL	8085A
D8259	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8080 FAM. (APP. B)	8080
D8259A	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8080A FAM. (APP. B)	8080A
D8259A-8	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8085A AND 8048	8085A/8048
D8259-5	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8085 FAM. (APP. B)	8085
D8271(2MHZ)	FLPDC	8-BIT	PROGR. FLOPPY DISK CONTROLLER/IBM 3740 SOFT SECTORED FORMAT/2MHZ	8080
D8271(4MHZ)	FLPDC	8-BIT	PROGR. FLOPPY DISK CONTROLLER/IBM 3740 SOFT SECTORED FORMAT/4MHZ	8080
D8273	SDLNC	8-BIT	SDLC PROTOCOL CONTROLLER/56K BAUD RATE	8080
D8273-8	SDLNC	8-BIT	SDLC PROTOCOL CONTROLLER/20K BAUD RATE	8080
D8275	CRTC	8-BIT	PROGRAMMABLE CRT CONTROLLER FOR 8080 FAMILY	8080
D8279	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY INTERFACE FOR 8080 FAMILY	8080
D8279A5	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY INTERFACE FOR 8085 FAMILY	8085
D8282	LATCH	8-BIT	OCTAL LATCH DATA-REGISTER-BUFFER/NON-INVERTING	8080
D8283	LATCH	8-BIT	OCTAL LATCH DATA-REGISTER-BUFFER/INVERTING	8080
D8284	CLOCK	.	CLOCK GENERATOR AND DRIVER FOR 8086 CPU	8086
D8286	TRCVR	8-BIT	DATA BUS BUFFER DRIVER FOR 8080, 8085, 8048/NON-INV.	8080 ETC

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-16/1M	PMOS	OC/+70C	-10V/+5V	600MXMW	TTL	TTL	SAB4004-D	D4004
INL	DIL-24/2P	PMOS	OC/+70C	-10V/+5V	750MXMW	TTL	TTL	SAB4008-P	D4008
INL	DIL-24/2P	PMOS	OC/+70C	-10V/+5V	30MXMA	TTL	TTL	SAB-4009-P	D4009
INL	DIL-24/2C	PMOS	OC/+70C	-10V/+5V	60MXMA	TTL	TTL	SAB4040D	D4040
INL	DIL-16/1C	CMOS	OC/+70C	-5V/+15V	300MXMW		MOS+TTL	SA4201A-D	D4201A
INL	DIL-28/2C	PMOS	OC/+70C		50MXMA	TTL	TTL	SAB4265-D	D4265
INL	DIL-40/2M		OC/+70C	-10V/+5V	65MXMA			SAB4269-D	D4269
INL	DIL-40/2C	PMOS	OC/+70C	-10V/+5V	400MXMW	TTL	TTL	SAB4289-C	D4289
INL	DIL-22/4C	CMOS	OC/+70C	+5V	135MXMW	TTL	TTL/TS	S5101L/2-1C	D5101L
INL	DIL-22/4C	CMOS	OC/+70C	+5V	135MXMW	TTL	TTL/TS	B5101L-1	D5101L-1
INL	DIL-22/4C	CMOS	OC/+70C	+5V	135MXMA	TTL	TTL/TS	D5101L-3	D5101L-3
INL	DIL-16/1C	CMOS	OC/+70C	+12V	20MXMA	TTL	MOS	D5235-1	D5235
INL	DIL-16/1C	CMOS	OC/+70C	+12V	20MXMA	TTL	MOS		D5235-1
INL	DIL-16/1C	CMOS	OC/+70C	+12V	105MXMA		MOS		D5244
INL	DIL-18/1C	PMOS	OC/+70C	-9V/+5V	60MXMA	TTL	TTL	SAB8008-C	D8008
INL	DIL-18/1C	PMOS	OC/+70C	-9V/+5V	60MXMA	TTL	TTL		D8008-1
INL	DIL-40/2C	NMOS	OC/+70C	+5V	180MXMA	TTL	TTL	uPD8035D	D8035
INL	DIL-40/2C	NMOS	OC/+70C	+5V		TTL	TTL	P8035L	D8035L
INL	DIL-40/2C	NMOS	OC/+70C	+5V	170MXMA	TTL	TTL	uPD8039D	D8039
INL	DIL-40/2C	NMOS	OC/+70C	+5V		TTL	TTL		D8039L
INL	DIL-40/2C	NMOS	OC/+70C	+5V			TTL		D8039L-6
INL	DIL-40/2C	NMOS	OC/+70C	+5V	170MXMA	TTL	TTL		D8039-6
INL	DIL-40/2C	NMOS	OC/+70C	+5V	125MXMA	TTL	TTL	AM8041DC	D8041
INL	DIL-40/2C	NMOS	OC/+70C	+5V	180MXMA	TTL	TTL	SAB8048-C	D8048
INL	DIL-40/2C	NMOS	OC/+70C	+5V	170MXMA	TTL	TTL	uPD8049C	D8049
INL	DIL-40/2C	NMOS	OC/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	AM8080A	D8080A
INL	DIL-40/2C	NMOS	OC/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	uPD8080A-1	D8080A-1
INL	DIL-40/2C	NMOS	OC/+90C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	INS8080AD-2	D8080A-2
INL	DIL-40/2C	NMOS	OC/+70C	+5V	170MXMA	TTL	TTL	SAB8085-C	D8085
INL	DIL-40/2C	NMOS	OC/+70C	+5V	170MXMA	TTL	TTL	uPD8085AD	D8085A
INL	DIL-40/2C	NMOS	OC/+70C	+5V	170MXMA	TTL	TTL	P8085A-2	D8085A-2
INL	DIL-40/2C	NMOS	OC/+70C	+5V	275MXMA	TTL	TTL		D8086
INL	DIL-40/2C	NMOS	OC/+70C	+5V	275MXMA	TTL	TTL		D8086-4
INL	DIL-16/1C	NMOS	OC/+70C	+5V	50MXMA	TTL	TTL/TS	SAB8102A-4-D	D8102A-4
INL	DIL-18/1C	NMOS	OC/+70C	+5V	55MXMA	TTL	TTL/TS	SAB8111A-4-D	D8111A-4
INL	DIL-40/2C	NMOS	OC/+70C	+5V	180MXMA	TTL	TTL	SAB8155C	D8155
INL	DIL-40/2C	NMOS	OC/+70C	+5V	180MXMA	TTL	TTL	C8155-2	D8155-2
INL	DIL-40/2C	NMOS	OC/+70C	+5V	180MXMA	TTL	TTL	uPD8156C	D8156
INL	DIL-40/2C	NMOS	OC/+70C	+5V	180MXMA	TTL	TTL		D8156-2
INL	DIL-40/2C	NMOS	OC/+70C	+5V	250MXMA	TTL	TTL		D8202
INL	DIL-16/1C	STLB	OC/+75C	+5V	70MXMA	TTL	TTL	SAB8205-D	D8205
INL	DIL-24/2C	TTLB	OC/+70C	+5V	130MXMA	TTL	TTL/TS	AM8212DM	D8212
INL	DIL-24/2C	TTLB	OC/+70C	+5V	130MXMA	TTL	TTL/OC	SAB8214-D	D8214
ADM	DIL-16/1C	STLB	OC/+70C	+5V	375MXMW	TTL	TTL/TS	SAB8216-P	D8216
INL	DIL-28/2C	BIP	OC/+70C	+5V	240MXMA	TTL	TTL		D8218
INL	DIL-28/2D	BIP	OC/+70C	+5V	240MXMA	TTL	TTL		D8219
INL	DIL-16/1C	STLB	OC/+70C	+5V/+12V	115MXMA		TTL	DP8224D	D8224
INL	DIL-16/1C	STLB	OC/+70C	+5V		TTL	TTL/TS	DP8226	D8226
INL	DIL-28/2C	TTLB	OC/+70C	+5V	190MXMA	TTL	TTL/TS	uPB8228D	D8228
INL	DIL-28/2C	TTLB	OC/+70C	+5V	190MXMA	TTL	TTL/TS	DP8238J	D8238
INL	DIL-24/2C	NMOS	OC/+70C	+5V	40MXMA	TTL	TTL	SAB8243-P	D8243
INL	DIL-28/2C	NMOS	OC/+70C	+5V	80MXMA	TTL	TTL	SAB8251-D	D8251
INL	DIL-28/2C	NMOS	OC/+70C	+5V	80MXMA	TTL	TTL	INS8251D	D8251A
INL	DIL-24/2C	NMOS	OC/+70C	+5V	85MXMA	TTL	TTL	uPD8253C	D8253
INL	DIL-24/2C	NMOS	OC/+70C	+5V	85MXMA	TTL	TTL	uPD8253C-5	D8253-5
INL	DIL-40/2C	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	SAB8255-D	D8255
NAT	DIL-40/2C	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	INS8255	D8255A
NAT	DIL-40/2C	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	P8255A-5	D8225A-5
INL	DIL-40/2C	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	SAB8257-D	D8257
INL	DIL-40/2C	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	P8257-5	D8257-5
INL	DIL-28/2C	NMOS	OC/+70C	+5V	85MXMA	TTL	TTL	uPD8259	D8259
INL	DIL-28/2C	NMOS	OC/+70C	+5V	85MXMA	TTL	TTL	P8259A	D8259A
INL	DIL-28/2C	NMOS	OC/+70C	+5V	85MXMA	TTL	TTL	P8259A-8	D8259A-8
INL	DIL-28/2C	NMOS	OC/+70C	+5V	85MXMA	TTL	TTL	P8259-5	D8259-5
INL	DIL-40/2C	NMOS	OC/+70C	+5V		TTL	TTL	SAB8271-D	D8271(2MHZ)
INL	DIL-40/2C	NMOS	OC/+70C	+5V		TTL	TTL	SAB8271-D	D8271(4MHZ)
INL	DIL-40/2C	NMOS	OC/+70C	+5V		TTL	TTL	SAB8273-D	D8273
INL	DIL-40/2C	NMOS	OC/+70C	+5V		TTL	TTL	D8273	D8273-8
INL	DIL-40/2C	NMOS	OC/+70C	+5V		TTL	TTL	SAB8275-D	D8275
INL	DIL-40/2C	NMOS	OC/+70C	+5V		TTL	TTL	SAB8279-D	D8279
INL	DIL-40/2C	NMOS	OC/+70C	+5V		TTL	TTL	P8279-5	D8279A5
INL	DIL-20/1C	BIP	OC/+70C	+5V	160MXMA	TTL	TTL/TS	P8282	D8282
INL	DIL-20/1C	BIP	OC/+70C	+5V	160MXMA	TTL	TTL/TS	P8283	D8283
INL	DIL-18/1C	BIP	OC/+70C	+5V	140MXMA	TTL	TTL	P8284	D8284
INL	DIL-20/1C	BIP	OC/+70C	+5V	160MXMA	TTL	TTL/TS	P8286	D8286

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
D8287	TRCVR	8-BIT	DATA BUS BUFFER DRIVER FOR 8080, 8085, 8048/INVERTING	8080 ETC
D8288	IFACE	8-BIT	BUS CONTROLLER FOR 8086 CPU	8080
D8291	SPECL	8-BIT	GPIB TALKER-LISTENER/INTERFACE TO IEEE 488 DIGITAL INTERFACE BUS	8080,ETC
D8292	SPECL	8-BIT	GPIB CONTROLLER/WITH 8291 IMPLEMENTS FULL IEEE 488 CONTRL FUNCTN	8080, ETC
D8294	SPECL	8-BIT	DATA ENCRYPTION UNIT FOR 8080,8048,8085,8086 FAMS	8080, ETC
D8295	PRTRC	8-BIT	DOT MATRIX PRINTER CONTROLLER FOR 8080, 8048, 8085 FAMS.	8080, ETC
D8308	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
D8316A	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
DAC1600-CERAMIC	DACVR	10-BIT	DUAL D/A CONVERTER IN 1600 FAMILY (APP. B)	1600
DAC1600-PLASTIC	DACVR	10-BIT	DUAL D/A CONVERTER IN 1600 FAMILY (APP. B)	1600
DM54L187AJ	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM54L187AN	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM54L187AW	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM54S187J	MROM	4-BIT	1K=256X4/TYP. ACCESS 30NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM54S189J	SRAM	4-BIT	64=16X4/MAX. ACCESS 40NS/4 ADDRESS,1CE LINES	GEN. PURP.
DM54S200J	SRAM	1-BIT	256=256X1/MAX. ACCESS 70NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
DM54S200W	SRAM	1-BIT	256=256X1/MAX. ACCESS 70NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
DM54S206J	SRAM	1-BIT	256=256X1/MAX. ACCESS 80NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
DM54S206W	SRAM	1-BIT	256=256X1/MAX. ACCESS 80NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
DM54S270J	MROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM54S271N	MROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM54S287D	PROM	4-BIT	1K=256X4/TYP. ACCESS 30NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM54S289J	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
DM54S370J	MROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM54S371N	MROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM54S387D	PROM	4-BIT	1K=256X4/TYP. ACCESS 30NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM54S470D	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CS LINES	GEN. PURP.
DM54S471D	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CS LINES	GEN. PURP.
DM54S570D	PROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM54S571D	PROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM72S04J	MROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CE 1STROBE LINES	GEN. PURP.
DM72S114D	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM74L89AJ	SRAM	4-BIT	64=16X4/TYP. ACCESS 50NS/4 ADDRESS 1CS LINES	GEN. PURP.
DM74L89AN	SRAM	4-BIT	64=16X4/TYP. ACCESS 50NS/4 ADDRESS 1CS LINES	GEN. PURP.
DM74L89AW	SRAM	4-BIT	64=16X4/TYP. ACCESS 50NS/4 ADDRESS 1CS LINES	GEN. PURP.
DM74L187AJ	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM74L187AN	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM74L187AW	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM74S187J	MROM	4-BIT	1K=256X4/TYP. ACCESS 30NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM74S187N	MROM	4-BIT	1K=256X4/TYP. ACCESS 30NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM74S189J	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS,1CE LINES	GEN. PURP.
DM74S189N	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS,1CE LINES	GEN. PURP.
DM74S200J	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y, 3CS ADDRESS LINES	GEN. PURP.
DM74S200N	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y, 3CS ADDRESS LINES	GEN. PURP.
DM74S200W	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
DM74S206J	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
DM74S206N	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
DM74S206W	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
DM74S270J	MROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM74S270N	MROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM74S271N	MROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM74S287N	PROM	4-BIT	1K=256X4/TYP. ACCESS 30NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM74S289J	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CE LINES	GEN. PURP.
AM74S289N	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS,1CE LINES	GEN. PURP.
DM74S289N	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CE LINES	GEN. PURP.
DM74S370J	MROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM74S370N	MROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM74S371N	MROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM74S387N	PROM	4-BIT	1K=256X4/TYP. ACCESS 30NS/8 ADDRESS 2CE LINES	GEN. PURP.
DM74S470D	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CS LINES	GEN. PURP.
DM74S470N	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CS LINES	GEN. PURP.
DM74S471D	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CS LINES	GEN. PURP.
DM74S471N	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2CS LINES	GEN. PURP.
DM74S570D	PROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM74S570N	PROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM74S571D	PROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM74S571N	PROM	4-BIT	2K=512X4/TYP. ACCESS 35NS/9 ADDRESS 1CE LINES	GEN. PURP.
DM75S28J	MROM	8-BIT	8K=1024X8/TYP. ACCESS 50NS/10 ADDRESS 4CS LINES	GEN. PURP.
DM75S29J	MROM	8-BIT	8K=1024X8/TYP. ACCESS 50NS/10 ADDRESS 4CS LINES	GEN. PURP.
DM75S97J	MROM	4-BIT	1K=256X4/TYP. ACCESS 30NS/7 ADDRESS 2CE LINES	GEN. PURP.
DM75S202D	MROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 1CE 1 STROBE LINES	GEN. PURP.
DM75S222D	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 1CE LINES	GEN. PURP.
DM76L97J	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
DM76L97N	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
DM76L97W	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-20/1C	BIP	0C/+70C	+5V	130MXMA	TTL	TTL/TS	P8287	D8287
INL	DIL-20/1C	BIP	0C/+70C	+5V	230MXMA	TTL	TTL/TS	P8288	D8288
INL	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8291	D8291
INL	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	P8292	D8292
INL	DIL-40/2C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	P8294	D8294
INL	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	P8295	D8295
INL	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	840MXMW	TTL	TTL/TS	D8308A	D8308
INL	DIL-24/2C	NMOS	0C/+70C	+5V	98MXMA	TTL	TTL/TS	SAB8316A-D	D8316A
GEI	DIL-40/2C	NMOS	0C/+75C	+5V/+12V	25MXMA	TTL	TTL/TS		DAC1600-CERAMIC
GEI	DIL-40/2P	NMOS	0C/+75C	+5V/+12V	25MXMA	TTL	TTL/TS		DAC1600-PLASTIC
NAT	DIL-16/1C	LPTL	-55C/+125C	+5V	25MXMA	TTL	TTL/OC		DM54L187AJ
NAT	DIL-16/1P	LPTL	-55C/+125C	+5V	25MXMA	TTL	TTL/OC		DM54L187AN
NAT	FLP-16/3G		-55C/+125C	+5V	25MXMA	TTL	TTL/OC		DM54L187AW
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		DM54S187J
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS	AM54S189J	DM54S189J
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	SN54S200J	DM54S200J
NAT	FLP-16/3G	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	S54S200W	DM54S200W
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		DM54S206J
NAT	FLP-16/3G	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		DM54S206W
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/OC	SN54S270J	DM54S270J
NAT	DIL-20/1P	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/OC	SN54S271J	DM54S271N
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	SN54S287J	DM54S287D
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	SN54S289J	DM54S289J
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/TS	SN54S370J	DM54S370J
NAT	DIL-20/1P	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/TS	SN54S371J	DM54S371N
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC	SN54S387J	DM54S387D
NAT	DIL-20/1C	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/OC	SN54S470J	DM54S470D
NAT	DIL-20/1C	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/TS	SN54S471J	DM54S471D
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		DM54S570D
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		DM54S571D
NAT	DIL-24/2C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		DM72S04J
NAT	DIL-24/2C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		DM72S114D
NAT	DIL-16/1C	LTLB	0C/+70C	+5V	19MXMA	TTL	TTL/OC	N74S89F	DM74L89AJ
NAT	DIL-16/1P	LTLB	0C/+70C	+5V	19MXMA	TTL	TTL/OC	SN7489N	DM74L89AN
NAT	FLP-16/3G	LTLB	0C/+70C	+5V	19MXMA	TTL	TTL/OC		DM74L89AW
NAT	DIL-16/1C	LTLB	0C/+70C	+5V	25MXMA	TTL	TTL/OC	DM74L187AN	DM74L187AJ
NAT	DIL-16/1P	LTLB	0C/+70C	+5V	25MXMA	TTL	TTL/OC	DM74L187AJ	DM74L187AN
NAT	FLP-16/3G	LTLB	0C/+70C	+5V	25MXMA	TTL	TTL/OC		DM74L187AW
NAT	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	DMS74187J	DM74S187J
NAT	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	DM74S187J	DM74S187N
NAT	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	SN74S189J	DM74S189J
NAT	DIL-16/1P	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	SN74S189N	DM74S189N
NAT	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	SN74LS200AJ	DM74S200J
NAT	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	N74S200N	DM74S200N
NAT	FLP-16/3G	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS		DM74S200W
NAT	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	DM74S206N	DM74S206J
NAT	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	DM74S206J	DM74S206N
NAT	FLP-16/3C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC		DM74S206W
NAT	DIL-16/1C	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/OC	SN74S270J	DM74S270J
NAT	DIL-16/1P	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/OC	SN74S270N	DM74S270N
NAT	DIL-20/1P	STLB	0C/+70C		150MXMA	TTL	TTL/OC	SN74S271N	DM74S271N
NAT	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	SN74S287N	DM74S287N
NAT	DIL-16/1C	STLB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	SN74S289J	DM74S289J
ADM	DIL-16/1P	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	SN74289N	AM74S289N
NAT	DIL-16/1P	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	SN74S289N	DM74S289N
NAT	DIL-16/1C	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/TS	SN74S370J	DM74S370J
NAT	DIL-16/1P	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/TS	SN74S370N	DM74S370N
NAT	DIL-20/1P	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/TS	SN74S371N	DM74S371N
NAT	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	SN74S387N	DM74S387N
NAT	DIL-20/1C	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/OC	SN74S470J	DM74S470D
NAT	DIL-20/1P	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/OC	SN74S470N	DM74S470N
NAT	DIL-20/1C	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/TS	SN74S471J	DM74S471D
NAT	DIL-20/1P	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/TS	SN74S471N	DM74S471N
NAT	DIL-16/1C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC	SN74S570N	DM74S570D
NAT	DIL-16/1P	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC	DM74S570D	DM74S570N
NAT	DIL-16/1C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS	DM74S571N	DM74S571D
NAT	DIL-16/1P	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS	DM74S571D	DM74S571N
NAT	DIL-24/2C	STLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS		DM75S28J
NAT	DIL-24/2C	STLB	-55C/+125C	+5V	190MXMA	TTL	TTL/OC		DM75S29J
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	DM74S187J	DM75S97J
NAT	DIL-20/1C	STLB	-55C/+125C	+5V	165MXMA	TTL	TTL/TS		DM75S202D
NAT	DIL-20/1C	STLB	-55C/+125C	+5V	165MXMA	TTL	TTL/TS		DM75S222D
NAT	DIL-16/1C	LTLB	-55C/+125C	+5V	20MXMA	TTL	TTL/TS	DM76L97N	DM76L97J
NAT	DIL-16/1P	LTLB	-55C/+125C	+5V	20MXMA	TTL	TTL/TS	DM76L97J	DM76L97N
NAT	FLP-16/3G	LTLB	-55C/+125C	+5V	20MXMA	TTL	TTL/TS		DM76L97W

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
DM82S04J	MROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2OE 1STROBE LINES	GEN. PURP.
DM82S04N	MROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2OE 1STROBE LINES	GEN. PURP.
DM82S114D	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2OE LINES	GEN. PURP.
DM82S114N	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 2OE LINES	GEN. PURP.
DM85S28J	MROM	8-BIT	8K=1024X8/TYP. ACCESS 50NS/10 ADDRESS 4OS LINES	GEN. PURP.
DM85S28N	MROM	8-BIT	8K=1024X8/TYP. ACCESS 50NS/10 ADDRESS 4OS LINES	GEN. PURP.
DM85S29J	MROM	8-BIT	8K=1024X8/TYP. ACCESS 50NS/10 ADDRESS 4OS LINES	GEN. PURP.
DM85S29N	MROM	8-BIT	8K=1024X8/TYP. ACCESS 50NS/10 ADDRESS 4OS LINES	GEN. PURP.
DM85S97J	MROM	4-BIT	1K=256X4/TYP. ACCESS 30NS/8 ADDRESS 2OE LINES	GEN. PURP.
DM85S97N	MROM	4-BIT	1K=256X4/TYP. ACCESS 30NS/7 ADDRESS 2OE LINES	GEN. PURP.
DM85S202D	MROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 1CE 1 STROBE LINES	GEN. PURP.
DM85S202N	MROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 1CE 1 STROBE LINES	GEN. PURP.
DM85S222D	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 1CE LINES	GEN. PURP.
DM85S222N	PROM	8-BIT	2K=256X8/TYP. ACCESS 35NS/8 ADDRESS 1CE LINES	GEN. PURP.
DM86L97J	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y ADDRESS 2OE LINES	GEN. PURP.
DM86L97N	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
DM86L97W	MROM	4-BIT	1K=256X4/MAX. ACCESS 130NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
DM86L99J	SRAM	4-BIT	64=16X4/MAX. ACCESS 150NS/4 ADDRESS 1CE LINES	GEN. PURP.
DM86L99N	SRAM	4-BIT	64=16X4/MAX. ACCESS 150NS/4 ADDRESS 1CE LINES	GEN. PURP.
DM86L99W	SRAM	4-BIT	64=16X4/MAX. ACCESS 150NS/4 ADDRESS 1CE LINES	GEN. PURP.
DM86S21J	SRAM	2-BIT	64=32X2/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM86S21N	SRAM	2-BIT	64=32X2/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM5488J	MROM	8-BIT	256=32X8/MAX. ACCESS 35NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM5489J	SRAM	4-BIT	64=16X4/MAX. ACCESS 80NS/4 ADDRESS 1CE LINES	GEN. PURP.
DM7488J	MROM	8-BIT	256=32X8/MAX. ACCESS 35NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM7488N	MROM	8-BIT	256=32X8/MAX. ACCESS 35NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM7489J	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS 1CE LINES	GEN. PURP.
DM7489N	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS 1CS LINES	GEN. PURP.
DM7573D	PROM	4-BIT	1K=256X4/TYP. ACCESS 60NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM7574D	PROM	4-BIT	1K=256X4/MAX. ACCESS 85NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM7575J	MPLA	.	PROGRAMMABLE LOGIC ARRAY/14 I-P/8 O-P	GEN. PURP.
DM7576J	MPLA	.	PROGRAMMABLE LOGIC ARRAY/14 I-P/8 O-P	GEN. PURP.
DM7577D	PROM	8-BIT	256=32X8/MAX. ACCESS 35NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM7578D	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM7595J	MROM	8-BIT	4K=512X8/MAX. ACCESS 150NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM7596J	MROM	8-BIT	4K=512X8/MAX. ACCESS 150NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM7597J	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM7598J	MROM	8-BIT	256=32X8/MAX. ACCESS 65NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM7599J	SRAM	4-BIT	64=16X4/MAX. ACCESS 70NS/4 ADDRESS LINES	GEN. PURP.
DM7599W	SRAM	4-BIT	64=16X4/MAX. ACCESS 70NS/4 ADDRESS LINES	GEN. PURP.
DM7795J	MROM	8-BIT	4K=512X8/MAX. ACCESS 150NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM7796J	MROM	8-BIT	4K=512X8/MAX. ACCESS 150NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM8531J	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 2CE LINES	GEN. PURP.
DM8531N	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 2CE LINES	GEN. PURP.
DM8573D	PROM	4-BIT	1K=256X4/TYP. ACCESS 60NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM8573N	PROM	4-BIT	1K=256X4/TYP. ACCESS 60NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM8574D	PROM	4-BIT	1K=256X4/MAX. ACCESS 85NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM8574N	PROM	4-BIT	1K=256X4/MAX. ACCESS 85NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM8575J	MPLA	.	PROGRAMMABLE LOGIC ARRAY/14 I-P/8 O-P	GEN. PURP.
DM8575N	MPLA	.	PROGRAMMABLE LOGIC ARRAY/14 I-P/8 O-P	GEN. PURP.
DM8576J	MPLA	.	PROGRAMMABLE LOGIC ARRAY/14 I-P/8 O-P	GEN. PURP.
DM8576N	MPLA	.	PROGRAMMABLE LOGIC ARRAY/14 I-O/8 O-P	GEN. PURP.
DM8577D	PROM	8-BIT	256=32X8/MAX. ACCESS 35NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM8577N	PROM	8-BIT	256=32X8/MAX. ACCESS 35NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM8578D	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM8578N	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM8581D	MROM	16-BIT	16K=1024X16/TYP. ACCESS 300NS/7X 3Y ADDRESS 3CE LINES	GEN. PURP.
DM8581N	MROM	16-BIT	16K=1024X16/TYP. ACCESS 300NS/7X 3Y ADDRESS 3CE LINES	GEN. PURP.
DM8595J	MROM	8-BIT	4K=512X8/MAX. ACCESS 120NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM8595N	MROM	8-BIT	4K=512X8/MAX. ACCESS 120NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM8596J	MROM	8-BIT	4K=512X8/MAX. ACCESS 120NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM8597J	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM8597N	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM8598J	MROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM8598N	MROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
DM8599J	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS LINES	GEN. PURP.
DM8599N	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS LINES	GEN. PURP.
DM8795J	MROM	8-BIT	4K=512X8/MAX. ACCESS 120NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM8795N	MROM	8-BIT	4K=512X8/MAX. ACCESS 120NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM8796J	MROM	8-BIT	4K=512X8/MAX. ACCESS 120NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM8796N	MROM	8-BIT	4K=512X8/MAX. ACCESS 120NS/6X 3Y ADDRESS 4CE LINES	GEN. PURP.
DM54187J	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM74187J	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DM74187N	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
DP4201J	CLOCK	2-BIT	CLOCK GENERATOR/XTAL CONTROLLED/FOR 4004-4040 FAMILY (APP. B)	4004/4040

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
NAT	DIL-24/2C	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/TS	DM82S04N	DM28S04J
NAT	DIL-24/2N	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/TS	DM82S04J	DM82S04N
NAT	DIL-24/2C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	DM82S114N	DM82S114D
NAT	DIL-24/2C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	DM8S114D	DM82S114N
NAT	DIL-24/2C	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	DM85S28N	DM85S28J
NAT	DIL-24/2P	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	DM85S28D	DM85S28N
NAT	DIL-24/2C	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/OC	DM85S29N	DM85S29J
NAT	DIL-24/2P	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/OC	DM85S29J	DM85S29N
NAT	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	DM74S187J	DM85S97J
NAT	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	SN74S187N	DM85S97N
NAT	DIL-20/1C	STLB	0C/+70C	+5V	165MXMA	TTL	TTL/TS	DM85S202N	DM85S202D
NAT	DIL-20/1P	STLB	0C/+70C	+5V	165MXMA	TTL	TTL/TS	DM85S202D	DM85S202N
NAT	DIL-20/1C	STLB	0C/+70C	+5V	165MXMA	TTL	TTL/TS	DM85S222N	DM85S222D
NAT	DIL-20/1P	STLB	0C/+70C	+5V	165MXMA	TTL	TTL/TS	DM85S222D	DM85S222N
NAT	DIL16/1CL	TLB	0C/+70C	+5V	20MXMA	TTL	TTL/TS	DM86L97N	DM86L97J
NAT	DIL-16/1P	LTLB	0C/+70C	+5V	20MXMA	TTL	TTL/TS	DM86L97J	DM86L97N
NAT	FLP-16/3G	LTLB	0C/+70C	+5V	20MXMA	TTL	TTL/TS		DM86L97W
NAT	DIL-16/1C	LTLB	0C/+70C	+5V	19MXMA	TTL	TTL/TS	DM86L99N	DM86L99J
NAT	DIL-16/1P	LTLB	0C/+70C	+5V	19MXMA	TTL	TTL/TS	DM86L99N	DM86L99N
NAT	FLP-16/3G	LTLB	0C/+70C	+5V	19MXMA	TTL	TTL/TS		DM86L99W
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	DM86S21N	DM86S21J
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	DM86S21J	DM86S21N
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	80MXMA	TTL	TTL/OC	DM7598J	DM5488J
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL/OC	SN5489J	DM5489J
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	80MXMA	TTL	TTL/OC	SN7488AJ	DM7488J
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	80MXMA	TTL	TTL/OC	SN7488AN	DM7488N
NAT	DIL-16/1C	TTLB	0C/+85C	+5V	120MXMA	TTL	TTL/OC	AM7489J	DM7489J
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	120MXMA	TTL	TTL/OC	SN7489J	DM7489N
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC		DM7573D
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		DM7574D
NAT	DIL-24/2C	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		DM7575J
NAT	DIL-24/2C	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL		DM7576J
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC		DM7577D
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		DM7578D
NAT	DIL-24/2C	TTLB	-55C/+125C	+5V	158MXMA	TTL	TTL/OC		DM7595J
NAT	DIL-24/2C	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS	MMI5241-1	DM7596J
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS	DM74187J	DM7597J
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	99MXMA	TTL	TTL/TS	DM5488J	DM7598J
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	AM7599J	DM7599J
ADM	FLP-16/4C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	AM7599W	DM7599W
NAT	DIL-24/2C	TTLB	-55C/+125C	+5V	158MXMA	TTL	TTL/OC		DM7795J
NAT	DIL-24/2C	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		DM7796J
NAT	DIL-24/2C	TTLB	0C/+70C	+5V	160MXMA	TTL	TTL/TS	DM8531N	DM8531J
NAT	DIL-24/2P	TTLB	0C/+70C	+5V	160MXMA	TTL	TTL/TS	DM8531J	DM8531N
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	DM8573N	DM8573D
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	DM8573D	DM8573N
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	DM8574N	DM8574D
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	DM8574J	DM8574N
NAT	DIL-24/2C	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC	DM8575N	DM8575J
NAT	DIL-24/2P	TTLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC	DM8575J	DM8575N
NAT	DIL-24/2C	TTLB	0C/+70C	+5V	170MXMA	TTL	TTL	DM8576N	DM8576J
NAT	DIL-24/2P	TTLB	0C/+70C	+5V	170MXMA	TTL	TTL	DM8576J	DM8576N
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	DM8577N	DM8577D
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	DM8577D	DM8577N
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	DM8578N	DM8578D
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	DM8578D	DM8578N
NAT	DIL-40/2C	TTLB	0C/+70C	+5V	115TPMA	TTL	TTL/TS	DM8581N	DM8581D
NAT	DIL-40/2P	TTLB	0C/+70C	+5V	115TPMA	TTL	TTL/TS	DM8581D	DM8581N
NAT	DIL-24/2C	TTLB	0C/+70C	+5V	158MXMA	TTL	TTL/OC	DM8595N	DM8595J
NAT	DIL-24/2P	TTLB	0C/+70C	+5V	158MXMA	TTL	TTL/OC	DM8595J	DM8595N
NAT	DIL-24/2C	TTLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		DM8596J
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	SN74187J	DM8597J
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	SN74187N	DM8597N
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	99MXMA	TTL	TTL/TS	DM7488J	DM8598J
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	99MXMA	TTL	TTL/TS	SN7488N	DM8598N
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	AM8599J	DM8599J
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	AM8599N	DM8599N
NAT	DIL-24/2C	TTLB	0C/+70C	+5V	158MXMA	TTL	TTL/OC	DM8795N	DM8795J
NAT	DIL-24/2P	TTLB	0C/+70C	+5V	158MXMA	TTL	TTL/OC	DM8795J	DM8795N
NAT	DIL-24/2C	TTLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS	MMI5241-1	DM8796J
NAT	DIL-24/2P	TTLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS	MMI5241-1	DM8796N
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC	SN54187J	DM54187J
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	SN74187J	DM74187J
NAT	DIL-76/1P	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	SN74187J	DM74187N
NAT	DIL-16/1C	CMOS	0C/+70C	-5V/+15V	300MXMW		MOS+TTL	SAB4201A-P	DP4201J

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
DP4201N	CLOCK	2-BIT	CLOCK GENERATOR/XTAL CONTROLLED/FOR 4004-4040 FAMILY (APP. B)	4004/4040
DP8212N	IP/OP		I-O PORT OF 8080-9080 FAMILIES (APP. B)	8080-9080
DP8224D	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
DP8224N	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080-9080 FAM.	8080
DP8226N	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080
DP8228J	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
DP8238J	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
DP8300D	TRCVR	8-BIT	BIDIRECTIONAL TRANSCEIVER/MOS LEVEL TO TTL/=PACE BTE-8(CER)	PACE
DP8300N	TRCVR	8-BIT	BIDIRECTIONAL TRANSCEIVER/MOS LEVEL TO TTL/=PACE BTE-8(PLAS)	PACE
DP8301D	IFACE	8-BIT	MICROPROCESSOR INTERFACE LATCH ELEMENT/= PACE MILE	PACE
DS1603J	RCVR	2-BIT	DUAL 3-STATE LINE RECEIVER	GEN. PURP.
DS1603W	RCVR	2-BIT	DUAL 3-STATE LINE RECEIVER	GEN. PURP.
EA2101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 300NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
EA2101M	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
EA2308ADC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
EA2308ADL	MROM	8-BIT	8K=1024X8/MAX. ACCESS 550NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
EA2308APC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
EA2316ADC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 600NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA2316ADL	MROM	8-BIT	16K=2048X8/MAX. ACCESS 750NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA2316APC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 600NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA2316EDC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA2316EDL	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA2316EPC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA2704DC	EPROM	8-BIT	4K=512X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
EA2704DL	EPROM	8-BIT	4K=512X8/MAX. ACCESS 500NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
EA2704DM	EPROM	8-BIT	4K=512X8/MAX. ACCESS 500NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
EA2708DC	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
EA2708DL	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
EA2708DM	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 550NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
EA3200DC	MROM	8-BIT	32K=4096X8/MAX. ACCESS 350NS/6X 5Y 3CS ADDRESS LINES/50MW STNDBY	GEN. PURP.
EA3800DC	MROM	12-BIT	12K=1024X12/MAX. ACCESS 3.6uS/11 ADDRESS LINES	GEN. PURP.
EA3800PC	MROM	12-BIT	12K=1024X12/MAX. ACCESS 3.6uS/11 ADDRESS LINES	GEN. PURP.
EA4000DI	MROM	10-BIT	5K=512X10/MAX. ACCESS 725NS/10 ADDRESS LINES	GEN. PURP.
EA4000PC	MROM	10-BIT	5K=512X10/MAX. ACCESS 725NS/10 ADDRESS LINES	GEN. PURP.
EA4600DC	MROM	8-BIT	16K=2048X8(OR 4096X4)/MAX. ACCESS 600NS/7X 4Y ADDRESS LINES	6800/GP
EA4600DL	MROM	8-BIT	16K=2048X8(OR 4096X4)/MAX. ACCESS 750NS/7X 4Y ADDRESS LINES	6800/GP
EA4600PC	MROM	8-BIT	16K=2048X8(OR 4096X4)/MAX. ACCESS 600NS/7X 4Y ADDRESS LINES	6800/GP
EA4700DC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
EA4700DL	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
EA4700PC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
EA4900DC	MROM	8-BIT	16K=2048X8(OR 4096X4)/MAX. ACCESS 950NS	GEN. PURP.
EA4900DL	MROM	8-BIT	16K=2048X8(OR 4096X4)/MAX. ACCESS 1.35US	GEN. PURP.
EA4900PC	MROM	8-BIT	16K=2048X8(OR 4096X4)/MAX. ACCESS 950NS	GEN. PURP.
EA8308ADC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
EA8308ADL	MROM	8-BIT	8K=1024X8/MAX. ACCESS 550NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
EA8308APC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
EA8316ADC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 600NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA8316ADL	MROM	8-BIT	16K=2048X8/MAX. ACCESS 750NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA8316APC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 600NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA8316EDC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA8316EDL	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EA8316EPC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
EMM4104ACC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P	GEN. PURP.
EMM4104ACP	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P	GEN. PURP.
EMM4104BCP	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P	GEN. PURP.
EMM4104BCC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P	GEN. PURP.
EMM4200ACC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
EMM4200ACP	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
EMM4200BCC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
EMM4200BCP	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
EMM4801ACC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/5X 5Y 2CS 1CE ADDRESS LINES	GEN. PURP.
EMM4801BCC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 400NS/5X 5Y 2CS 1CE ADDRESS LINES	GEN. PURP.
EMM4801UCC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 600NS/5X 5Y 2CS 1CE ADDRESS LINES	GEN. PURP.
EMM4804ACC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
EMM4804BCC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 400NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
EMM4804UCC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 600NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
ER1105(CERAMIC)	EAROM	4-BIT	1K=256X4/MAX. ACCESS 2uS/4X 5Y ADDRESS 1CS LINES	GEN. PURP.
ER1105(PLASTIC)	EAROM	4-BIT	1K=256X4/MAX. ACCESS 2uS/4X 5Y ADDRESS 1CS LINES	GEN. PURP.
ER1400	EAROM	14-BIT	1400=100X14/SERIAL INPUT-OUTPUT/ELECTRICALLY ERAZABLE	GEN. PURP.
ER1400T	EAROM	14-BIT	1400=100X14/SERIAL INPUT-OUTPUT/ELECTRICALLY ERAZABLE	GEN. PURP.
ER1400-TO5	EAROM	14-BIT	1400=100X14/SERIAL INPUT-OUTPUT/ELECTRICALLY ERAZABLE	GEN. PURP.
ER1400-TO8	EAROM	14-BIT	1400=100X14/SERIAL INPUT-OUTPUT/ELECTRICALLY ERASABLE	GEN. PURP.
ER1711	SPECL	4-BIT	256X4 RAM MATED WITH 256X4 EAROM IN SINGLE PACK/MAX. ACCSS 900NS	GEN. PURP.
ER2050(CERAMIC)	EAROM	16-BIT	512=32X16/MAX. ACCESS 10uS/5 ADDRESS 3 CONTROL LOGIC LINES	GEN. PURP.
ER2050(PLASTIC)	EAROM	16-BIT	512=32X16/MAX. ACCESS 10uS/5 ADDRESS 3 CONTROL LOGIC LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
NAT	DIL-16/1P	CMOS	0C/+70C	-5V/+15V	300MXMW		MOS+TTL	SAB4201A-D	DP4201N
NAT	DIL-24/2P	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	P8212N	DP8212N
NAT	DIL-16/1C	STLB	0C/+70C	+5V/+12V	115MXMA		TTL	D8224	DP8224D
NAT	DIL-16/1C	STLB	0C/+70C	+5V/+12V	115MXMA		TTL	D8224	DP8224N
NAT	DIL-16/1P	STLB	0C/+70C	+5V		TTL	TTL/TS	D8226	DP8226N
NAT	DIL-28/2C	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D8228	DP8228J
NAT	DIL-28/2C	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D8238	DP8238J
NAT	DIL-24/2C	NMOS	0C/+70C	+5V	110MXMA	TTL	TTL/TS	DP8300N	DP8300D
NAT	DIL-24/2P	NMOS	0C/+70C	+5V	110MXMA	TTL	TTL/TS	DP8300D	DP8300N
NAT	DIL-28/2C	CMOS	-40C/+85C	+5V	5MXMA	TTL	TTL/TS		DP8301D
ADM	DIL-14/1C	TTLB	-55C/+125C	-5V/+5V		25MV	TTL/TS	DS1603(NAT)	DS1603J
ADM	FLP-14/3G	TTLB	-55C/+125C	-5V/+5V		25MV	TTL/TS	DS1603(NAT)	DS1603W
ELA	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A	EA2101
ELA	DIL-22/4C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS	B2101A	EA2101M
ELA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	C2308	EA2308ADC
ELA	DIL-24/2C	NMOS	-55C/+100C	+5V	135MXMA	TTL	TTL/TS	C2308	EA2308ADL
ELA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	P2308	EA2308APC
ELA	DIL-24/2C	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	C2316A	EA2316ADC
ELA	DIL-24/2C	NMOS	-55C/+100C	+5V	160MXMA	TTL	TTL/TS	P2316AL	EA2316ADL
ELA	DIL-24/2P	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	P2316A	EA2316APC
ELA	DIL-24/2C	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	D8316	EA2316EDC
ELA	DIL-24/2C	NMOS	-55C/+100C	+5V	160MXMA	TTL	TTL/TS	MC2316	EA2316EDL
ELA	DIL-24/2P	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	P8316A	EA2316EPC
ELA	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	885MXMW	TTL	TTL/TS	D2704	EA2704DC
ELA	DIL-24/2C	NMOS	-55C/+125C	-5V/+5V/+12V	1.06MXW	TTL	TTL/TS		EA2704DL
ELA	DIL-24/2C	NMOS	-55C/+125C	-5V/+5V/+12V	1.06MXW	TTL	TTL/TS		EA2704DM
ELA	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	885MXMW	TTL	TTL/TS	B2708	EA2708DC
ELA	DIL-24/2Q	NMOS	-55C/+100C	-5V/+5V/+12V	1.06MXW	TTL	TTL/TS	MC2708	EA2708DL
ELA	DIL-24/2Q	NMOS	-55C/+125C	-5V/+5V/+12V	1.06MXW	TTL	TTL/TS	MC2708	EA2708DM
ELA	DIL-28/2C	NMOS	0C/+70C	-5V/+5V/+12V	500MXMW	TTL	TTL/TS		EA3200DC
ELA	DIL-28/2C	PMOS	0C/+70C	-24V/-12V	264MXMW	MOS	MOS		EA3800DC
ELA	DIL-28/2P	PMOS	0C/+70C	-24V/-12V	264MXMW	MOS	MOS		EA3800PC
ELA	DIL-24/2C	PMOS	-55C/+85C	-12V/+12V	18MXMA	+12V/0V	TTL		EA4000DI
ELA	DIL-24/2P	PMOS	0C/+70C	-12V/+12V	18MXMA	+12V/0V	TTL		EA4000PC
ELA	DIL-24/2C	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS/GTD	SYP4600	EA4600DC
ELA	DIL-24/2C	NMOS	100C	+5V	170MXMA	TTL	TTL/TS/GTD	SYP4600	EA4600DL
ELA	DIL-24/2P	NMOS	+70C	+5V	160MXMA	TTL	TTL/TS/GTD	SYP4600	EA4600PC
ELA	DIL-24/2C	NMOS	'+70C	+5V	130MXMA	TTL	TTL/TS	TMS4700JL	EA4700DC
ELA	DIL-24/2C	NMOS	-. +125C	+5V	135MXMA	TTL	TTL/TS		EA4700DL
ELA	DIL-24/2P	NMOS	/+70C	+5V	130MXMA	TTL	TTL/TS	TMS4700NL	EA4700PC
ELA	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	35MXMA	TTL	TTL/TS/GTD		EA4900DC
ELA	DIL-24/2C	PMOS	-55C/+100C	-12V/+5V	75MXMA	TTL	TTL/TS/GTD		EA4900DL
ELA	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	35MXMA	TTL	TTL/TS/GTD		EA4900PC
ELA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	C8308A	EA8308ADC
ELA	DIL-24/2C	NMOS	-55C/+100C	+5V	135MXMA	TTL	TTL/TS	L8308A	EA8308ADL
ELA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	SAB8308-P	EA8308APC
ELA	DIL-24/2C	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	D8316A	EA8316ADC
ELA	DIL-24/2C	NMOS	-55C/+100C	+5V	160MXMA	TTL	TTL/TS	MD8316A	EA8316ADL
ELA	DIL-24/2P	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	P8316A	EA8316APC
ELA	DIL-24/2C	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	D8316	EA8316EDC
ELA	DIL-24/2C	NMOS	-55C/+100C	+5V	160MXMA	TTL	TTL/TS	D8316A	EA8316EDL
ELA	DIL-24/2P	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	P8316A	EA8316EPC
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS		EMM4104ACC
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS		EMM4104ACP
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS		EMM4104BCP
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS		EMM4104BCC
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	uPD410D	EMM4200ACC
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	uPD410D	EMM4200ACP
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS	uPD410D-1	EMM4200BCC
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS	uP 410D-2	EMM4200BCP
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		EMM4801ACC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		EMM4801BCC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		EMM4801UCC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		EMM4804ACC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		EMM4804BCC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		EMM4804UCC
GEI	DIL-24/2C	PMOS	-25C/+70C	-12V/+12V	12MXMA			NCR1105	ER1105(CERAMIC)
GEI	DIL-24/2P	PMOS	-25C/+70C	-12V/+12V	12MXMA			NCR1105	ER1105(PLASTIC)
GEI	DIL-14/1C	MNOS	-25C/+75C	-35V	300MXMW	-8/-1V	-12/-1V		ER1400
GEI	TO5-8/1M	MNOS	-25C/+75C	-35V	300MXMW	-8/-1V	-12/-1V		ER1400T
GEI	TO5-8/1M	MNOS	-25C/+75C	-35V	300MXMW	-8/-1V	-12/-1V		ER1400-TO5
GEI	TO8-8/1M	MNOS	-25C/+75C	-35V	300MXMW	-8/-1V	-12/-1V		ER1400-TO8
GEI	DIL-22/2C		0C/+70C	-12V/+5V		TTL	TTL		ER1711
GEI	DIL-28/2C	MNOS	0C/+70C	-28V/+5V	14MXMA	TTL	TTL		ER2050(CERAMIC)
GEI	DIL-28/2P	MNOS	0C/+70C	-28V/+5V	14MXMA	TTL	TTL		ER2050(PLASTIC)

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
ER2051(CERAMIC)	EAROM	16-BIT	512=32X16/MAX. ACCESS 3uS/5 ADDRESS 3 CONTROL LOGIC LINES	GEN. PURP.
ER2051(PLASTIC)	EAROM	16-BIT	512=32X16/MAX. ACCESS 3uS/5 ADDRESS 3 CONTROL LOGIC LINES	GEN. PURP.
ER2055(CERAMIC)	EAROM	16-BIT	512=32X16/MAX. ACCESS 4uS/5 ADDRESS 3 CONTROL LOGIC LINES	GEN. PURP.
ER2055(PLASTIC)	EAROM	16-BIT	512=32X16/MAX. ACCESS 4uS/5 ADDRESS 3 CONTROL LOGIC LINES	GEN. PURP.
ER2401A(CERAM.)	EAROM	4-BIT	4K=1024X4/MAX. ACCESS 2.0uS/10X 2CS ADDRESS LINES/NON-VOL. DATA	GEN. PURP.
ER2401A(PLAST.)	EAROM	4-BIT	4K=1024X4/MAX. ACCESS 2.0uS/10X 2CS ADDRESS LINES/NON-VOL. DATA	GEN. PURP.
ER2401(CERAMIC)	EAROM	4-BIT	4K=1024X4/MAX. ACCESS 2.4uS/10X 2CS ADDRESS LINES/NON-VOL. DATA	GEN. PURP.
ER2401(PLASTIC)	EAROM	4-BIT	4K=1024X4/MAX. ACCESS 2.4uS/10X 2CS ADDRESS LINES/NON-VOL. DATA	GEN. PURP.
ER2800(CERAMIC)	EAROM	4-BIT	16K=2048X4/MAX. ACCESS 2.6uS/6X 5Y 1CS ADDRESS LINES	GEN. PURP.
ER2800(PLASTIC)	EAROM	4-BIT	16K=2048X4/MAX. ACCESS 2.6uS/6X 5Y 1CS ADDRESS LINES	GEN. PURP.
ER2805(CERAMIC)	EAROM	4-BIT	16K=2048X4/MAX. ACCESS 1.65uS/6X 5Y 1CS ADDRESS LINES	GEN. PURP.
ER2805(PLASTIC)	EAROM	4-BIT	16K=2048X4/MAX. ACCESS 1.65uS/6X 5Y 1CS ADDRESS LINES	GEN. PURP.
ER3400(CERAMIC)	EAROM	4-BIT	4K=1024X4/MAX. ACCESS 650NS/10 ADDRESS LINES/NON.-VOL. RETENTION	GEN. PURP.
ER3400(PLASTIC)	EAROM	4-BIT	4K=1024X4/MAX. ACCESS 650NS/10 ADDRESS LINES/NON.-VOL. RETENTION	GEN. PURP.
ER3401(CERAMIC)	EAROM	4-BIT	4K=1024X4/MAX. ACCESS 950NS/10 ADDRESS LINES/NON-VOL. RETENTION	GEN. PURP.
ER3401(PLASTIC)	EAROM	4-BIT	4K=1024X4/MAX. ACCESS 950NS/10 ADDRESS LINES/NON-VOL. RETENTION	GEN. PURP.
EVACHIP-42			ALTERNATIVE NAME FOR uPD555 - WHICH SEE	
EVACHIP-43			ALTERNATIVE NAME FOR uPD556 - WHICH SEE	
F16K2DC	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 ADDRESS MULTIPLEXER 1CS LINES	GEN. PURP.
F16K2PC	DRAM	1-BIT	16K=16384X1/MAC. ACCESS 150NS/7 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
F16K3DC	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
F16K3PC	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
F16K4DC	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
F16K4PC	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
F16K5DC	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
F16K5PC	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
F38T56DC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM.	F8
F38T56DL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM.	F8
F38T56DM	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM.	F8
F38T56PC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM.	F8
F38T56PL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM.	F8
F68A00CL	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./1.5MHZ CLOCK	6800
F68A00CP	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./1.5MHZ CLOCK	6800
F68A00L	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./1.5MHZ CLOCK	6800
F68A00ML	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./1.5MHZ CLOCK	6800
F68A00P	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./1.5MHZ CLOCK	6800
F68A02CL	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./1.5MHZ VERSION OF 1MHZ 6802	6802
F68A02CP	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./1.5MHZ VERSION OF 1HMZ 6802	6802
F68A02L	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./1.5MHZ VERSION OF 1MHZ 6802	6802
F68A02ML	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./1.5MHZ VERSION OF 1HMZ 6802	6802
F68A02P	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./1.5MHZ VERSION OF 1HMZ 6802	6802
F68A10CL	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 68A00	6800
F68A10CP	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 68A00	6800
F68A10L	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 68A00	6800
F68A10ML	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES FOR 1.5MHZ 68A00	6800
F68A10P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 68A00	6800
F68A21CL	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/1.5MHZ VERSION OF 1MHZ 6821	6800
F68A21CP	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/1.5MHZ VERSION OF 1MHZ 6821	6800
F68A21L	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/1.5MHZ VERSION OF 1MHZ 6821	6800
F68A21ML	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/1.5MHZ VERSION OF 1MHZ 6821	6800
F68A21P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/1.5MHZ VERSION OF 1MHZ 6821	6800
F68A40CL	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1.5MHZ VERSION OF 1MHZ 6840	6800
F68A40CP	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1.5MHZ VERSION OF 1HMZ 6840	6800
F68A40L	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1.5MHZ VERSION OF 1MHZ 6840	6800
F68A40ML	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1.5MHZ VERSION OF 1MHZ 6840	6800
F68A40P	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1.5MHZ VERSION OF 1MHZ 6840	6800
F68A46CL	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/1.5MHZ VERSN. OF 6846	6800
F68A46CP	ROMIO	8-BIT	COMBINATION RON, I-O PORT AND TIMER-COUNTER/1.5MHZ VERSN. OF6846	6800
F68A46L	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/1.5MHZ VERSN. OF 6846	6800
F68A46ML	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/1.5MHZ VERSN. OF 6846	6800
F68A46P	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/1.5MHZ VERSN. OF 6846	6800
F68A50CL	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1.5MHZ VERSN. 6850	6800
F68A50CP	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1.5MHZ VERSN. 6850	6800
F68A50L	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1.5MHZ VERSN. 6850	6800
F68A50ML	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1.5MHZ VERSN. 6850	6800
F68A50P	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1.5MHZ VERSN. 6850	6800
F68A52CL	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSN. 6852	6800
F68A52CP	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSN. 6852	6800
F68A52L	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSN. 6852	6800
F68A52ML	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSN. 6852	6800
F68A52P	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSN. 6852	6800
F68A54CL	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
F68A54CP	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
F68A54L	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
F68A54ML	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
GEI	DIL-28/2C	MNOS	0C/+70C	-28V/+5V	14MXMA	TTL	TTL		ER2051(CERAMIC)
GEI	DIL-28/2P	MNOS	0C/+70C	-28V/+5V	14MXMA	TTL	TTL		ER2051(PLASTIC)
GEI	DIL-28/2C	MNOS	0C/+70C	-28V/+5V	14MXMA	TTL	TTL		ER2055(CERAMIC)
GEI	DIL-28/2P	MNOS	0C/+70C	-28V/+5V	14MXMA	TTL	TTL		ER2055(PLASTIC)
GEI	DIL-24/2C	MNOS	0C/+70C	-14V/+5V	168MXMW	TTL	TTL/TS		ER2401A(CERAM.)
GEI	DIL-24/2P	MNOS	0C/+70C	-14V/+5V	168MXMW	TTL	TTL/TS		ER2401A(PLAST.)
GEI	DIL-24/2C	MNOS	0C/+70C	-14V/+5V	168MXMW	TTL	TTL/TS		ER2401(CERAMIC)
GEI	DIL-24/2C	MNOS	0C/+70C	-14V/+5V	168MXMW	TTL	TTL/TS		ER2401(PLASTIC)
GEI	DIL-24/2C	MNOS	0C/+70C	-14V/+5V	308MXMW	TTL	TTL/TS		ER2800(CERAMIC)
GEI	DIL-24/2P	MNOS	0C/+70C	-14V/+9V	308MXMW	TTL	TTL/TS		ER2800(PLASTIC)
GEI	DIL-24/2C	MNOS	0C/+70C	-14V/+5V	333MXMW	TTL	TTL/TS		ER2805(CERAMIC)
GEI	DIL-24/2P	MNOS	0C/+70C	-14V/+5V	333MXMW	TTL	TTL/TS		ER2805(PLASTIC)
GEI	DIL-22/4C	PMOS	0C/+70C	-30V/-12V/+5V	534MXMW	TTL	TTL/TS		ER3400(CERAMIC)
GEI	DIL-22/4P	PMOS	0C/+70C	-30V/-12V/+5V	534MXMW	TTL	TTL/TS		ER2400(PLASTIC)
GEI	DIL-22/4C	PMOS	0C/+70C	-30V/-12V/+5V	534MXMW	TTL	TTL/TS		ER3401(CERAMIC)
GEI	DIL-22/4P	PMOS	0C/+70C	-30V/-12V/+5V	534MXMW	TTL	TTL/TS		ER3401(PLASTIC)
NEC									EVACHIP-42
NEC									EVACHIP-43
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/12V	450MXMW	TTL	TTL/TS	MK4116N-2	F16K2DC
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-2	F16K2PC
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-3	F16K3DC
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116N-3	F16K3PC
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-4	F16K4DC
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116N-4	F16K4PC
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-5	F16K5DC
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116N-5	F16K5PC
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F38T56DC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F38T56DI
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F38T56DM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F38T56PC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F38T56PL
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	500TPMW	TTL	TTL/TS	MC68A00CL	F68A00CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	500TPMW	TTL	TTL/TS	MC68A00CP	F68A00P
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL/TS	MC68A00L	F68A00L
FAS	DIL-40/2X	NMOS	-55C/+125C	+5V	500TPMW	TTL	TTL/TS		F68A00ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL/TS	MC68A00CP	F68A00P
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL	F68A02ML	F68A02CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL	F68A02CL	F68A02CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	F68A02CL	F68A02L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	1.2MXW	TTL	TTL		F68A02ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	F68A02CP	F68A02P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	80MXMA	TTL	TTL/TS	MCM68A10CL	F68A10CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	80MXMA	TTL	TTL/TS	MCM68A10CP	F68A10CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68A10L	F68A10L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL		F68A10ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68A10P	F68A10P
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL/TS	F68B21CL	F68A21CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL/TS	F68B21CP	F68A21OP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68A21L	F68A21L
FAS	DIL-40/2C	NMOS	-55CC/+125 C	+5V	550MXMW	TTL	TTL/TS	F68B21ML	F68A21ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68A21P	F68A21P
FAS	DIL-28/2C	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL	F68B40CL	F68A40CL
MTA	DIL-28/2P	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL	F68B40CP	F68A40CP
FAS	DIL-28/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	F68B40L	F68A40L
FAS	DIL-28/2C	NMOS	-55C/+125C	+5V	550MXMW	TTL	TTL	F68B40ML	F68A40ML
FAS	DIL-28/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	F68B40P	F68A40P
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL	F68B46CL	F68A46CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL	F68B46CP	F68A46CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	F68B46L	F68A46L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	1MXW	TTL	TTL	F68B46ML	F68A46ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	F68B46P	F68A46P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	F68B50CL	F68A50CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	F68B50CP	F68A50CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	F68B50L	F68A50L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS	F68B50ML	F68A50ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	F68B50P	F68A50P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC68A52CL	F68A52CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC68A52CP	F68A52CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68A52L	F68A52L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS	F68B52ML	F68A52ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68A52P	F68A52P
FAS	DIL-28/2C	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC68A54CL	F68A54CL
FAS	DIL-28/2P	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC68A54CP	F68A54CP
FAS	DIL-28/2C	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68A54L	F68A54L
FAS	DIL-28/2C	NMOS	-55C/+125C	+5V	850MXMW	TTL	TTL		F68A54ML

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
F68A54P	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
F68A308CL	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/10 ADDRESS 2CS LINES	6800
F68A308CP	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/10 ADDRESS 2CS LINES	6800
F68A308L	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/10 ADDRESS 2CS LINES	6800
F68A308ML	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/10 ADDRESS 2CS LINES	6800
F68A308P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/10 ADDRESS 2CS LINES	6800
F68A316CL	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	6800
F68A316CP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	6800
F68A316L	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	6800
F68A316ML	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	6800
F68A316P	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	6800
F68B00CL	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./2MHZ CLOCK	6800
F68B00CP	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./2MHZ CLOCK	6800
F68B00L	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./2MHZ CLOCK	6800
F68B00ML	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./2MHZ CLOCK	6800
F68B00P	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./2MHZ CLOCK	6800
F68B02CL	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./2MHZ VERSION OF 1MHZ 6802	6802
F68B02CP	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./2MHZ VERSION OF 1MHZ 6802	6802
F68B02L	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./2MHZ VERSION OF 1MHZ 6802	6802
F68B02ML	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./2MHZ VERSION OF 1MHZ 6802	6802
F68B02P	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./2MHZ VERSION OF 1MHZ 6802	6802
F68B10CL	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	6800
F68B10CP	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	6800
F68B10L	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	6800
F68B10ML	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	6800
F68B10P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	6800
F68B21CL	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/2MHZ VERSION OF 1MHZ 6821	6800
F68B21CP	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/2MHZ VERSION OF 1MHZ 6821	6800
F68B21L	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/2MHZ VERSION OF 1MHZ 6821	6800
F68B21ML	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/2MHZ VERSION OF 1MHZ 6821	6800
F68B21P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/2MHZ VERSION OF 1MHZ 6821	6800
F68B40CL	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./2MHZ VERSION OF 1MHZ 6840	6800
F68B40CP	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./2MHZ VERSION OF 1MHZ 6840	6800
F68B40L	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./2MHZ VERSION OF 1MHZ 6840	6800
F68B40ML	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./2MHZ VERSION OF 1MHZ 6840	6800
F68B40P	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./2MHZ VERSION OF 1MHZ 6840	6800
F68B46CL	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/2MHZ VERSN. OF 6846	6800
F68B46CP	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/2MHZ VERSN. OF 6846	6800
F68B46L	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/2MHZ VERSN.OF 6846	6800
F68B46ML	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/2MHZ VERSN. OF 6846	6800
F68B46P	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/2MHZ VERSN. OF 6846	6800
F68B50CL	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/2MHZ VERSN. 6850	6800
F68B50CP	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/2MHZ VERSN. 6850	6800
F68B50L	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/2MHZ VERSN. 6850	6800
F68B50ML	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/2MHZ VERSN. 6850	6800
F68B50P	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/2MHZ VERSN. 6850	6850
F68B52CL	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./2MHZ VERSN. 6852	6800
F68B52CP	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./2MHZ VERSN. 6852	6800
F68B52L	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./2MHZ VERSN. 6852	6800
F68B52ML	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./2MHZ VERSN. 6852	6800
F68B52P	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./2MHZ VERSN. 6852	6800
F68B54CL	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/2MHZ CLOCK FREQUENCY	6800
F68B54CP	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/2MHZ CLOCK FREQUENCY	6800
F68B54L	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/2MHZ CLOCK FREQUENCY	6800
F68B54ML	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/2MHZ CLOCK FREQUENCY	6800
F68B54P	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/2MHZ CLOCK FREQUENCY	6800
F68B308CL	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/10 ADDRESS 2CS LINES	6800
F68B308CP	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/10 ADDRESS 2CS LINES	6800
F68B308L	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/10 ADDRESS 2CS LINES	6800
F68B308ML	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/10 ADDRESS 2CS LINES	6800
F68B308P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/10 ADDRESS 2CS LINES	6800
F68B316CL	MROM	8-BIT	16K=2048X8/MAX. ACCESS 250NS/11 ADDRESS 3CS LINES	6800
F68B316CP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 250NS/11 ADDRESS 3CS LINES	6800
F68B316L	MROM	8-BIT	16K=2048X8/MAX. ACCESS 250NS/11 ADDRESS 3CS LINES	6800
F68B316ML	MROM	8-BIT	16K=2048X8/MAX. ACCESS 250NS/11 ADDRESS 3CS LINES	6800
F68B316P	MROM	8-BIT	16K=2048X8/MAX. ACCESS 250NS/11 ADDRESS 3CS LINES	6800
F100-L(COM.)	CPU	16-BIT	MICROPROCESSOR CENTRAL PROCESSING UNIT FOR F100 FAM. (APP. B)	F100
F100-L(IND.)	CPU	16-BIT	MICROPROCESSOR CENTRAL PROCESSING UNIT FOR F100 FAM. (APP. B)	F100
F100-L(MIL.)	CPU	16-BIT	MICROPROCESSOR CENTRAL PROCESSING UNIT FOR F100 FAM. (APP. B)	F100
F101-L	ALU	16-BIT	MULTIPLY-DIVIDE UNIT FOR F100 FAM.	F100
F111-L(COM.)	IFACE	16-BIT	CONTROL INTERFACE CHIP FOR F100 FAM. (APP. B)	F100
F111-L(IND.)	IFACE	16-BIT	CONTROL INTERFACE CHIP FOR F100 FAM. (APP. B)	F100
F111-L(MIL.)	IFACE	16-BIT	CONTROL INTERFACE CHIP OF F100 FAM. (APP. B)	F100
F112-L(COM.)	IFACE	16-BIT	DATA INTERFACE CHIP FOR F100 FAM. (APP. B)	F100
F112-L(IND.)	IFACE	16-BIT	DATA INTERFACE CHIP FOR F100 FAM. (APP. B)	F100

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FAS	DIL-28/2P	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68A54P	F68A54P
FAS	DIL-24/2C	NMOS	-40C/+80C	+5V	130MXMW	TTL	TTL/TS	F68A308CL	F68A308CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	130MXMW	TTL	TTL/TS	F68A308CP	F68A308CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMW	TTL	TTL/TS	MCM68A308C	F68A308L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	130MXMW	TTL	TTL/TS		F68A308ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMW	TTL	TTL/TS	MCM68A308P	F68A308P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL/TS	F68A316CP	F68A316CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL/TS	F68A316CL	F68A316CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	MCM68A316AC	F68A316L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	F68B316ML	F68A316ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	MCM68A316AP	F68A316P
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	500TPMW	TTL	TTL/TS	MC68B00L	F68B00CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	500TPMW	TTL	TTL/TS	MC68B00P	F68B00CP
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	500MXMW	TTL	TTL/TS	F68B00ML	F68B00L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	500TPMW	TTL	TTL/TS		F68B00ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL/TS	MC68B00P	F68B00P
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL	F68B02CP	F68B02CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL	F68B02CL	F68B02CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	F68B02ML	F68B02L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	1.2MXW	TTL	TTL		F68B02ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	F68B02CP	F68B02P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	80MXMA	TTL	TTL/TS		F68B10CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	80MXMA	TTL	TTL/TS	MCM6810CP	F68B10CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM6810L	F68B10L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL/TS		F68B10ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68B10P	F68B10P
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL/TS	F68B21CP	F68B21CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL/TS	F68B21CL	F68B21CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68B21L	F68B21L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	550MXMW	TTL	TTL/TS		F68B21ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68B21P	F68B21P
FAS	DIL-28/2C	NMOS	-40C/+85C	+5V	550MXMW	TLL	TTL	F68B40CP	F68B40CL
FAS	DIL-28/2P	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL	F68B40CL	F68B40CP
FAS	DIL-28/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	F68B40P	F68B40L
FAS	DIL-28/2C	NMOS	-55C/+125C	+5V	550MXMW	TTL	TTL	F68B40ML	F68B40ML
FAS	DIL-28/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	F68B40CP	F68B40P
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL	F68B46CP	F68B46CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL	F68B46CL	F68B46CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	F68B46ML	F68B46L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	1MXW	TTL	TTL		F68B46ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	F68B46L	F68B46P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	F68B50CP	F68B50CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	F68B50CL	F68B50CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	F68B50L	F68B50L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS		F68B50ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	F68B50L	F68B50P
FAS	DIL-24/2C	NMOS	-40C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68A52CL	F68B52CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC68B52CP	F68B52CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68B52L	F68B52L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS		F68B52ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68B52P	F68B52P
FAS	DIL-28/2C	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	F68B54CP	F68B54CL
FAS	DIL-28/2P	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	F68B54CL	F68B54CP
FAS	DIL-28/2C	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68B54L	F68B54L
FAS	DIL-28/2C	NMOS	-55C/+125C	+5V	850MXMW	TTL	TTL		F68B54ML
FAS	DIL-28/2P	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68B54P	F68B54P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	130MXMW	TTL	TTL/TS	F68B308CP	F68B308CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	130MXMW	TTL	TTL/TS	F68B308CL	F68B308CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMW	TTL	TTL/TS	MCM68B308C	F68B308L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		F68B308ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMW	TTL	TTL/TS	MCM68B308P	F68B308P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL/TS	F68B316CP	F68B316CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL/TS	F68B316CP	F68B316CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	F68B316ML	F68B316L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL/TS		F68B316ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	F68B316L	F68B316P
FER	DIL-40/2C	CDIB	0C/+70C	+5V	270TPMA	TTL	TTL		F100-L(COM.)
FER	DIL-40/2C	CDIB	-25C/+85C	+5V	270TPMA	TTL	TTL		F100-L(IND.)
FER	DIL-40/2C	CDIB	-55C/+125C	+5V	270TPMA	TTL	TTL		F100-L(MIL.)
FER		CDIB		+5V		TTL	TTL		F101-L
FER	DIL-40/2C	CDIB	0C/+70C	+5V	85TPMA	TTL	TTL		F111-L(COM.)
FER	DIL-40/2C	CDIB	-25C/+85C	+5V	85TPMA	TTL	TTL		F111-L(IND.)
FER	DIL-40/2C	CDIB	-55C/+125C	+5V	85TPMA	TTL	TTL		F111-L(MIL.)
FER	DIL-40/2C	CDIB	0C/+70C	+5V	120TPMA	TTL	TTL		F112-L(COM.)
FER	DIL-40/2C	CDIB	-25C/+85C	+5V	120TPMA	TTL	TTL		F112-L(IND.)

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
F112-L(MIL.)	IFACE	16-BIT	DATA INTERFACE CHIP FOR F100 FAM. (APP. B)	F100
F113-L(COM.)	MMU	16-BIT	MEMORY INTERFACE FOR F100 FAM./650MW/ALT. TYPE NO. ZN1001-F113L	F100
F113-L(IND.)	MMU	16-BIT	MEMORY INTERFACE FOR F100 FAM./650MW/ALT. TYPE NO. ZN1001-F113L	F1000
F113-L(MIL.)	MMU	16-BIT	MEMORY INTERFACE FOR F100 FAM./650MW/ALT. TYPE NO. ZN1001-F113L	F100
F114-L(COM.)	MEMCT	16-BIT	MEMORY INTERFACE FOR F100 FAM./65MW/ALT. TYPE NO. ZN1001-F114L	F100
F114-L(IND.)	MEMCT	16-BIT	MEMORY INTERFACE FOR F100 FAM./65MW/ALT. TYPE NO. ZN1001-F114L	F100
F114-L(MIL.)	MEMCT	16-BIT	MEMORY INTERFACE FOR F100 FAM./65MW/ALT. TYPE NO. ZN1001-F114L	F100
F464-2DC	SMEM	1-BIT	65K=4096X16X1/DYNAMIC SERIAL MEMORY /1-5MHZ	GEN. PURP.
F464-3DC	SMEM	1-BIT	65K=4096X16X1/DYNAMIC SERIAL MEMORY /1-4MHZ	GEN. PURP.
F464-4DC	SMEM	1-BIT	65K=4096X16X1/DYNAMIC SERIAL MEMORY /1-2MHZ	GEN. PURP.
F2114DC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS	GEN. PURP.
F2114PC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS	GEN. PURP.
F2114-2DC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F2114-2PC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F2114-3DC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F2114-3PC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F2114-4DC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F2114-4PC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F2708DC	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F2708DL	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F2708DM	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F3508DC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS	GEN. PURP.
F3508PC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS	GEN. PURP.
F3516EDC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/REARRANGED-LEADS VERSION OF 3516DC	GEN. PURP.
F3843DC	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/3.2uS CLOCK	GEN. PURP.
F3843DM	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/3.2uS CLOCK	GEN. PURP.
F3843PC	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/3.2uS CLOCK	GEN. PURP.
F3850DC	CPU	8-BIT	1-CHIP CENTRAL PROCESSING UNIT FOR F8 FAMILY/70 INSTNS.	F8
F3850DL	CPU	8-BIT	1-CHIP CENTRAL PROCESSING UNIT FOR F8 FAM./70 INSTNS	F8
F3850DM	CPU	8-BIT	1-CHIP CENTRAL PROCESSING UNIT FOR F8 FAM./	F8
F3850PC	CPU	8-BIT	1-CHIP CENTRAL PROCESSING UNIT FOR F8 FAM.	F8
F3850PL	CPU	8-BIT	1-CHIP CENTRAL PROCESSING UNIT FOR F8 FAM.	F8
F3851ADC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./OFF-SHELF STD-MASKED F3851DC	F8
F3851ADL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./OFF-SHELF STD-MASKED F3851DL	F8
F3851ADM	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./OFF-SHELF STD-MASKED F385DM	F8
F3851APC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./OFF-SHELF STD-MASKED F3851PC	F8
F3851APL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./OFF-SHELF STD-MASKED F3851PL	F8
F3851DC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. 64X8 RAM, IO, PROG. TIMER	F8
F3851DL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. 64X8 RAM, IO, PROG. TIMER	F8
F3851DM	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. 64X8 RAM, IO, PROG. TIMER	F8
F3851PC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. 64X8 RAM, IO, PROG. TIMER	F8
F3851PL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. 64X8 RAM, IO, PROG. TIMER	F8
F3851XDC	PSU	8-BIT	ALTERNATE NUMBER FOR F3851DC/WHICH SEE	F8
F3851XPC	PSU		ALTERNATE NUMBER FOR F3851PC/WHICH SEE	F8
F3852DC	DMI	8-BIT	DYNAMIC MEM. IFACE FOR F8 FAM.	F8
F3852DL	DMI	8-BIT	DYNAMIC MEMORYIFACE FOR F8 FAM.	F8
F3852DM	DMI	8-BIT	DYNAMIC MEM. IFACE FOR F8 FAM.	F8
F3852PC	DMI	8-BIT	DYNAMIC MEM. IFACE FOR F8 FAM.	F8
F3852PL	DMI	8-BIT	DYNAMIC MEM. IFACE FOR F8 FAM.	F8
F3852/SL31116	DMI	8-BIT	DYNAMIC MEM. IFACE FOR F8 FAM.	F8
F3853DC	MEMCT	8-BIT	STATIC MEMORY INTERFACE FOR F8 FAMILY	F8
F3853DL	MEMCT	8-BIT	STATIC MEMORY INTERFACE FOR F8 FAMILY	F8
F3853DM	MEMCT	8-BIT	STATIC MEMORY INTERFACE FOR F8 FAMILY	F8
F3853PC	MEMCT	8-BIT	STATIC MEMORY INTERFACE FOR F8 FAMILY	F8
F3853PL	MEMCT	8-BIT	STATIC MEMORY INTERFACE FOR F8 FAMILY	F8
F3854DC	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER FOR F8 FAMILY	F8
F3854DL	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER FOR F8 FAMILY	F8
F3854DM	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER FOR F8 FAMILY	F8
F3854PC	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER FOR F8 FAMILY	F8
F3854PL	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER FOR F8 FAMILY	F8
F3856ADC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./OFF-SHELF STANDARD MASK ROM	F8
F3856ADL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./OFF-SHELF STANDARD MASK ROM	F8
F3856ADM	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./OFF-SHELF STANDARD MASK ROM	F8
F3856APC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./OFF-SHELF STANDARD MASK ROM	F8
F3856APL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./OFF-SHELF STANDARD MASK ROM	F8
F3856DC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. MROM	F8
F3856DL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. MROM	F8
F3856DM	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. MROM	F8
F3856PC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. MROM	F8
F3856PL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. MROM	F8
F3856PM	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. MROM	F8
F3857DC	PSU	8-BIT	PROGRAM STORAGE UNIT AND STATIC MEMORY IFACE FOR F8 FAM.	F8
F3857DL	PSU	8-BIT	PROGRAM STORAGE UNIT AND STATIC MEMORY IFACE FOR F8 FAM.	F8
F3857DM	PSU	8-BIT	PROGRAM STORAGE UNIT AND STATIC MEMORY IFACE FOR F8 FAM.	F8
F3857PC	PSU	8-BIT	PROGRAM STORAGE UNIT AND STATIC MEMORY IFACE FOR F8 FAM.	F8

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FER	DIL-40/2C	CDIB	-55C/+125C	+5V	120TPMA	TTL	TTL		F112-L(MIL.)
FER		CDIB	0C/+70C	+5V	650MXMW	TTL	TTL		F113-L(COM.)
FER		CDIB	-25C/+85C	+5V	650MXMW	TTL	TTL		F113-L(IND.)
FER		CDIB	-55C/+125C	+5V	650MXMW	TTL	TTL		F113-L(MIL.)
FER		CDIB	0C/+70C	+5V	65MXMW	TTL	TTL		F114-L(COM.)
FER		CDIB	-25C/+85C	+5V	65MXMW	TTL	TTL		F114-L(IND.)
FER		CDIB	-55C/+125C	+5V	65MXMW	TTL	TTL		F114-L(MIL.)
FAS	DIL-16/1C	CCDB	0C/+55C	-5V/+5V/+12V	336MXMW	TTL	TTL/TS	CCD464-2DC	F464-2DC
FAS	DIL-16/1C	CCDB	0C/+55C	-5V/+5V/+12V	336MXMW	TTL	TTL/TS	CCD464-3DC	F464-3DC
FAS	DIL-16/1C	CCDB	0C/+55C	-5V/+5V/+12V	336MXMW	TTL	TTL/TS	CCD464-4DC	F464-4DC
FAS	DIL-18/1C	NMOS	0C/+70C	+5V	350MXMW	TTL	TTL/TS	F2114PC	F2114DC
FAS	DIL-18/1P	NMOS	0C/+70C	+5V	350MXMW	TTL	TTL/TS	F2114DC	F2114PC
FAS	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	C2114-2	F2114-2DC
FAS	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	P2114-2	F2114-2PC
FAS	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	C2114-3	F2114-3DC
FAS	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	P2114-3	F2114-3PC
FAS	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	C2114-3	F2114-4DC
FAS	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	P2114-3	F2114-4PC
FAS	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708	F2708DC
FAS	DIL-24/2Q	NMOS	-40C/+85C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	M2708	F2708DL
FAS	DIL-24/2Q	NMOS	-55C/+125C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	M2708	F2708DM
FAS	DIL-24/2C	NMOS	0C/+70C	+5V/+5V/+12V	330MXMW	TTL	TTL/TS		F3508DC
FAS	DIL-24/2P	NMOS	0C/+70C	-5V/+5V/+12V	330MXMW	TTL	TTL/TS		F3508PC
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	330MXMW	TTL	TTL/TS	D3516E	F3516EDC
FAS	DIL-28/2C	NMOS	0C/+70C	+5V/+12V	500MXMA	TTL	TTL/TS		F3843DC
FAS	DIL-28/2C	NMOS	-55C/+125C	+5V/+12V	500MXMA	TTL	TTL/TS		F3843DM
FAS	DIL-28/2P	NMOS	0C/+70C	+5V/+12V	500MXMA	TTL	TTL/TS		F3843PC
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL	M3850	F3850DC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	700MXMW	TTL	TTL		F3850DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	700MXMW	TTL	TTL	M3850	F3850DM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL	M3850	F3850PC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	700MXMW	TTL	TTL	M3850	F3850PL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL		F3851ADC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL		F3851ADL
FAS	DIL-40/2C		-55C/+125C	+5V/+12V	270TPMW	TTL	TTL		F3851ADM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL		F3851APC
FAS	DIL-40/2P	NMOS	-55C/+125C	+5V/+12V	270TPMW	TTL	TTL		F3851APL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	MK3851P	F3851DC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL	MK3851N	F3851DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	270TPMW	TTL	TTL	MK3851N	F3851DM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	MK3851P	F3851PC
FAS	DIL-40/2P	NMOS	-20C/+70C	+5V/+12V	270TPMW	TTL	TTL	MK3851P	F3851PL
FAS									F3851XDC
FAS									F3851XPC
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	710MXMW	TTL	TTL	MK3852P	F3852DC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	710MXMW	TTL	TTL	MK3852P	F3852DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	710MXMW	TTL	TTL	MK3852P	F3852DM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	710MXMW	TTL	TTL	MK3852N	F3852PC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	710MXMW	TTL	TTL	MK3852N	F3852PL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	710MXMW	TTL	TTL		F3852/SL31116
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	330TPMW	TTL	TTL	MK3853P	F3853DC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	330TPMW	TTL	TTL	MK3853P	F3853DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	330TPMW	TTL	TTL	MK3853P	F3853DM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	330TPMW	TTL	TTL	MK3853N	F3853PC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	330TPMW	TTL	TTL	MK3853N	F3853PL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	280TPMW	TTL	TTL	MK3854P	F3854DC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	280TPMW	TTL	TTL	MK3854P	F3854DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	280TPMW	TTL	TTL	MK3854P	F3854DM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	280TPMW	TTL	TTL	MK3854N	F3854PC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	280TPMW	TTL	TTL	MK3854N	F3854PL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3856ADC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3856ADL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL		F3856ADM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3856APC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3856APL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F3856DC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F3856DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F3856DM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F3856PC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F3856PL
FAS	DIL-40/2P	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL	M3856	F3856PM
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL	M3857	F3857DC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL	M3857	F3857DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL	M3857	F3857DM
FAS	DIL-40/2P	NMOS	0C/+75C	+5V/+12V	1.17MXW	TTL	TTL	M3857	F3857PC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
F3857PL	PSU	8-BIT	PROGRAM STORAGE UNIT AND STATIC MEMORY IFACE FOR F8 FAM.	F8
F3857PM	PSU	8-BIT	PROGRAM STORAGE UNIT AND STATIC MEMORY IFACE FOR F8 FAM.	F8
F3861ADC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD A MROM	F8
F3861ADL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD A MROM	F8
F3861ADM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD A ROM	F8
F3861APC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD A MROM	F8
F3861APL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD A MROM	F8
F3861BDC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD B MROM	F8
F3861BDL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD B MROM	F8
F3861BDM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD B MROM	F8
F3861BPC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD B MROM	F8
F3861BPL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD B MROM	F8
F3861CDC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD C MROM	F8
F3861CDL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD C MROM	F8
F3861CDM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD C MROM	F8
F3861CPC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD C MROM	F8
F3861CPL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD C MROM	F8
F3861DC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU	F8
F3861DDC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD D MROM	F8
F3861DDL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD D MROM	F8
F3861DDM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD D MROM	F8
F3861DL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU	F8
F3861DM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU	F8
F3861DPC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD D MROM	F8
F3861DPL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD D MROM	F8
F3861EDC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD E MROM	F8
F3861EDL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD E MROM	F8
F3861EDM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD E MROM	F8
F3861EPC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD E MROM	F8
F3861EPL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU/STD E MROM	F8
F3861PC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU	F8
F3861PL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU	F8
F3870DL	MPU	8-BIT	1-CHIP MICROCOMPUTER WITH 32 I-O LINES,INTERRUPT AND TIMER	3870
F3870DM	MPU	8-BIT	1-CHIP MICROCOMPUTER WITH 32 I-O LINES, INTERRUPT AND TIMER	3870
F3870DC	MPU	8-BIT	1-CHIP MICROCOMPUTER WITH 32 I-O LINES, INTERRUPT AND TIMER	3870
F3870PC	MPU	8-BIT	1-CHIP MICROCOMPUTER WITH 32 I-O LINES, INTERRUPT AND TIMER	3870
F3870PL	MPU	8-BIT	1-CHIP MICROCOMPUTER WITH 32 I-O LINES, INTERRUPT AND TIMER	3870
F3870PM	MPU	8-BIT	1-CHIP MICROCOMPUTER WITH 32 I-O LINES, INTERRUPT AND TIMER	3870
F3871DC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER	F8(3850)
F3871DL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER	F8(3850)
F3871DM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER	F8(3850)
F3871EDC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. E	F8(3850)
F3871EDL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. E	F8(3850)
F3871EDM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. E	F8(3850)
F3871EPC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. E	F8(3850)
F3871EPL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFGN. E	F8(3850)
F3871FDC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. F	F8(3850)
F3871FDL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. F	F8(3850)
F3871FDM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. F	F8(3850)
F3871FPC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. F	F8(3850)
F3871FPL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. F	F8(3850)
F3871GDC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. G	F8(3850)
F3871GDL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. G	F8(3850)
F3871GDM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. G	F8(3850)
F3871GPC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. G	F8(3850)
F3871GPL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. G	F8(3850)
F3871HDC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. H	F8(3850)
F3871HDL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. H	F8(3850)
F3871HDM	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. H	F8(3850)
F3871HPC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. H	F8(3850)
F3871HPL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER/PORT CONFIGN. H	F8(3850)
F3871PC	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER	F8(3850)
F3871PL	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER	F8(3850)
F3899DC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./1024X8 ROM/STACK REGR./COUNTER	F8(3850)
F3899DL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./1024X8 ROM/STACK REGR./COUNTER	F8(3850)
F3899DM	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./1024X8 ROM/STACK REGR./COUNTER	F8(3850)
F3899PC	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./1024X8 ROM/STACK REGR./COUNTER	F8(3850)
F3899PL	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./1024X8 ROM/STACK REGR./COUNTER	F8(3850)
F4104BE	LVLSH	4-BIT	QUAD LOW-TO-HIGH VOLTAGE TRANSLATOR	GEN. PURP.
F4104BM	LVLSH	4-BIT	QUAD LOW-TO-HIGH VOLTAGE TRANSLATOR	GEN. PURP.
F4700 SERIES	-	.	SEE 4700 SERIES	-
F6800CL	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)	6800
F6800CP	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)	6800
F6800L	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./1MHZ CLOCK	6800
F6800ML	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./1MHZ CLOCK	6800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL	M3857	F3857PL
FAS	DIL-40/2P	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL	M3857	F3857PM
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3861ADC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3861ADL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL		F3861ADM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3861APC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3861APL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3861BDC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3861BDL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL		F3861BDM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3861BPC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3861BPL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3861CDC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3861CDL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL		F3861CDM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3861CPC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3861CPL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL	MK3861P	F3861DC
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3861DDC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3861DDL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL		F3861DDM
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL	MK3861P	F3861DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL	MK3861P	F3861DM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3861DPC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3861DPL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3861EDC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3861EDL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	1.17MXW	TTL	TTL		F3861EDM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL		F3861EPC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL		F3861EPL
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL	MK3861N	F3861PC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	1.17MXW	TTL	TTL	MK3861N	F3861PL
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	300TPMW	TTL	TTL	MK3870P	F3870DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	300TPMW	TTL	TTL	MK3870P	F3870DM
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL	MK3870P	F3870DC
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL	MK3870N	F3870PC
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	300TPMW	TTL	TTL	MK3870N	F3870PL
FAS	DIL-40/2P	NMOS	-55C/+125C	+5V	300TPMW	TTL	TTL	MK3870N	F3870PM
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3871DL	F3871DC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL	F3871DM	F3871DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	270TPMW	TTL	TTL		F3871DM
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3871EDL	F3871EDC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL	F3871EDM	F3871EDL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	270TPMW	TTL	TTL		F3871EDM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3871EPL	F3871EPC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL		F3871EPL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3871FDL	F3871FDC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL	F3871FDM	F3871FDL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	270TPMW	TTL	TTL		F3871FDM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3871FPL	F3871FPC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL		F3871FPL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3871GDL	F3871GDC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL	F3871GDM	F3871GDL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	270TPMW	TTL	TTL		F3871GDM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3871GPL	F3871GPC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL		F3871GPL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3871HDL	F3871HDC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL	F3871HDM	F3871HDL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	270TPMW	TTL	TTL		F3871HDM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3871HPL	F3871HPC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL		F3871HPL
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3871PL	F3871PC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL	F3871DL	F3871PL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3899DL	F3899DC
FAS	DIL-40/2C	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL	F3899DM	F3899DL
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	270TPMW	TTL	TTL		F3899DM
FAS	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	270TPMW	TTL	TTL	F3899PL	F3899PC
FAS	DIL-40/2P	NMOS	-20C/+85C	+5V/+12V	270TPMW	TTL	TTL		F3899PL
FAS	DIL-16/1C	CMOS	-40C/+85C	+(5/15)V	0.6MXMA	MOS	MOS/TS	MD4104BD	F4104BE
FAS	DIL-16/1C	CMOS	-55C/+125C	+(5/15)V	0.6MXMA	MOS	MOS/TS	MD4104BD	F4104BM
									F4700 SERIES
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL/TS	S6800C	F6800CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL/TS	S6800	F6800CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL/TS	MC6800L	F6800L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	500MXMW	TTL	TTL/TS		F6800ML

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
F6800P	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./1MHZ CLOCK	6800
F6802CL	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WTH 6846 GIVES 2-CHIP SYSTEM	6800
F6802CP	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHIP SYSTM	6802
F6802L	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHIP SYSTM	6802
F6802ML	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHIP SYSTM	6802
F6802P	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHIP SYSTM	6802
F6809CL	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED 6800/EXTERNAL CLOCK/1MHZ	6809
F6809CP	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED 6800/EXTERNAL CLOCK/1MHZ	6809
F6809L	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED 6800/EXTERNAL CLOCK/1MHZ	6809
F6809ML	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED 6800/EXTERNAL CLOCK/1MHZ	6809
F6809P	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED 6800/EXTERNAL CLOCK/1MHZ	6809
F6810CL	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
F6810CP	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
F6810L	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
F6810ML	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
F6810P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES	6800
F6810-1P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 350NS/7 ADDRESS 6CS LINES	6800
F6820(CER)	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAMILY (APP. B)	6800
F6820CL	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAM. (APP. B)	6800
F6820CP	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAM. (APP. B)	6800
F6820L	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAM. (APP. B)	6800
F6820ML	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAM. (APP. B)	
F6820P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAM. (APP. B)	6800
F6820(PLS)	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAMILY (APP. B)	6800
F6821CL	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
F6821CP	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
F6821L	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
F6821ML	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
F6821P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
F6840CL	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM. (APP. B)/1MHZ CLOCK FREQUENCY	6800
F6840CP	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM. (APP. B)/1MHZ CLOCK FREQUENCY	6800
F6840L	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM. (APP. B)/1MHZ CLOCK FREQUENCY	6800
F6840ML	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM. (APP. B)/1MHZ CLOCK FREQUENCY	6800
F6840P	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM. (APP. B)	6800
F6846CL	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/COMPLEMENTS 6802 MPU	6800
F6846CP	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/COMPLEMENTS 6802 MPU	6800
F6846L	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/COMPLEMENTS 6802 MPU	6800
F6846ML	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/COMPLEMENTS 6802 MPU	6800
F6846P	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/COMPLEMENTS 6802 MPU	6802
F6850CL	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAM. (APP. B)	6800
F6850CP	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAM. (APP. B)	6800
F6850L	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAM. (APP. B)	6800
F6850ML	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAM. (APP. B)	6800
F6850P	ACIA	8-9BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAM. (APP. B)	6800
F6852CL	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./IMHZ VERSN. 6852	6800
F6852CP	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./IMHZ VERSN. 6852	6800
F6852L	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./IMHZ VERSN. 6852	6800
F6852P	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./IMHZ VERSN. 6852	6800
F6852ML	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSN. 6852	6800
F6854CL	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/IMHZ CLOCK FREQUENCY	6800
F6854CP	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/IMHZ CLOCK FREQUENCY	6800
F6854L	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/IMHZ CLOCK FREQUENCY	6800
F6854ML	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
F6854P	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
F6860CL	MODEM	8-BIT	DIGITAL MODEM FOR 6800 FAM. (APP. B)/0-600BPS	6800
F6860CP	MODEM	8-BIT	DIGITAL MODEM FOR 6800 FAM. (APP. B)/0-600BPS	6800
F6860L	MODEM	8-BIT	DIGITAL MODEM FOR 6800 FAM. (APP. B)/0-600BPS	6800
F6860ML	MODEM	8-BIT	DIGITAL MODEM FOR 6800 FAM. (APP. B)/0-600BPS	6800
F6860P	MODEM	8-BIT	DIGITAL MODEM FOR 6800 FAM. (APP. B)/0-600BPS	6800
F10145ADC	SRAM	4-BIT	64=16X4/MAX. ACCESS 9NS/4 ADDRESS 1CS LINES	10800
F10145AFC	SRAM	4-BIT	64=16X4/MAX. ACCESS 9NS/4 ADDRESS 1CS LINES	10800
F10405DC	SRAM	1-BIT	128=128X1/MAX. ACCESS 15NS/4X 3Y 3CS ADDRESS LINES	GEN. PURP.
F10405FC	SRAM	1-BIT	128=128X1/MAX. ACCESS 15NS/4X 3Y 3CS ADDRESS LINES	GEN. PURP.
F10410DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 30NS/4X 4Y 3CS ADDRESS LINES	10800
F10410FC	SRAM	1-BIT	256=256X1/MAX. ACCESS 30NS/4X 4Y 3CS ADDRESS LINES	10800
F10410PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 30NS/4X 4Y 3CS ADDRESS LINES	10800
F10411DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CS ADDRESS LINES	10800
F10411FC	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CS ADDRESS LINES	10800
F10411PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CS ADDRESS LINES	10800
F10414DC	SRAM	1-BIT	256=256X1/MAX. 15NS	10800
F10415ADC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	10800
F10415AFC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	10800
F10415DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	10800
F10415FC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	10800
F10416DC	PROM	4-BIT	1K=256X4/TYP. ACCESS 15NS/5X 3Y 1CS ADDRESS LINES	10800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL/TS	MC6800P	F6800P
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL	MC6802L	F6802CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL	MC6802P	F6802CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	MC6802L	F6802L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	1.2MXW	TTL	TTL		F6802ML
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	MC6802P	F6802P
MTA	DIL-40/2C	NMOS	-40C/+85C	+5V		TTL	TTL	F6809CP	F6809CL
MTA	DIL-40/2P	NMOS	-40C/+85C	+5V		TTL	TTL	F6809CL	F6809CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	F6809ML	F6809L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V		TTL	TTL		F6809ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	F6809P	F6809P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	80MXMA	TTL	TTL/TS	MCM6810CL	F6810CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	80MXMA	TTL	TTL/TS	MCM6810CP	F6810CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM6810L	F6810L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL/TS		F6810ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	S6810-1	F6810P
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	S6810-1	F6810-1P
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MC6820L	F6820(CER)
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	650MXMW	TTL	TTL/TS	F6820CP	F6820CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	650MXMW	TTL	TTL/TS	F6820CL	F6820CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MC6820L	F6820L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	650MXMW	TTL	TTL/TS		F6820ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MC6820P	F6820P
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MC6820P	F6820(PLS)
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL/TS	F68A21CL	F6821CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL/TS	F68A21CP	F6821CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC6821L	F6821L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	550MXMW	TTL	TTL/TS	F68A21ML	F6821ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC6821P	F6821P
FAS	DIL-28/2C	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL	F68A40CL	F6840CL
FAS	DIL-28/2P	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL	F68A40CP	F6840CP
FAS	DIL-28/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	MC6840L	F6840L
FAS	DIL-28/2C	NMOS	-55C/+125C	+5V	550MXMW	TTL	TTL	F68A40ML	F6840ML
FAS	DIL-28/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	MC6840	F6840P
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	IMXW	TTL	TTL	F68A46CL	F6846CL
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	IMXW	TTL	TTL	F68A46CP	F6846CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	IMXW	TTL	TTL	MC6846L	F6846L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	IMXW	TTL	TTL	F68A46ML	F6846ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	IMXW	TTL	TTL	MC6846P	F6846P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC6850CL	F6850CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC6850CP	F6850CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6850L	F6850L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS		F6850ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6850L	F6850P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC6852CL	F6852CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC6852CP	F6852CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6852L	F6852L
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS		F6852P
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS	F68A52ML	F6852ML
FAS	DIL-28/2C	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC6854CL	F6854CL
FAS	DIL-28/2P	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC6854CP	F6854CP
FAS	DIL-28/2C	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC6854L	F6854L
FAS	DIL-28/2C	NMOS	-55C/+125C	+5V	850MXMW	TTL	TTL		F6854ML
FAS	DIL-28/2P	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC6854P	F6854P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	65MXMA	TTL	TTL	MC6860CL	F6860CL
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL	MC6860CL	F6860CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL	MC6860L	F6860L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL		F686CML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL	MC6860P	F6860P
FAS	DIL-16/1C	ECLB	0C/+75C	-5.2V	130MXMA	ECL	ECL	SN10145J	F10145ADC
FAS	FLP-16/3C	ECLB	0C/+75C	+5.2V	130MXMA	ECL	ECL		F10145AFC
FAS	DIL-16/1C	ECLB	0C/+70C	-5.2V	90TPMA	ECL	ECL	GXB10405F	F10405DC
FAS	FLP-16/3C	ECLB	0C/+70C	-5.2V	90TPMA	ECL	ECL		F10405FC
FAS	DIL-16/1C	ECLB	0C/+75C	-5.2V	130MXMA	ECL	ECL	GXB10410E	F10410DC
FAS	FLP-16/3C	ECLB	0C/+75C	-5.2V	130MXMA	ECL	ECL		F10410FC
FAS	DIL-16/1P	ECLB	0C/+75C	-5.2V	130MXMA	ECL	ECL	GXB10410B	F10410PC
FAS	DIL-16/1C	ECLB	0C/+75C	-4.25V	125MXMA	ECL	ECL		F10411DC
FAS	FLP-16/3C	ECLB	0C/+75C	-4.25V	125MXMA	ECL	ECL		F10411FC
FAS	DIL-16/1C	ECLB	0C/+75C	-4.25V	125MXMA	ECL	ECL		F10411PC
FAS	DIL-16/1C	ECLB	0C/+75C	-5.2V		ECL	ECL/OE		F10414DC
FAS	DIL-16/1C	ECLB	0C/+75C	-5.2V	150MXMA	ECL	ECL	GXB10415F	F10415ADC
FAS	FLP-16/3C	ECLB	0C/+75C	-5.2V	150MXMA	ECL	ECL		F10415AFC
FAS	DIL-16/1C	ECLB	0C/+75C	-5.2V	150MXMA	ECL	ECL	GXB10475F	F10415DC
FAS	FLP-16/3C	ECLB	0C/+75C	-5.2V	150MXMA	ECL	ECL	F10415AFC	F10415FC
FAS	DIL-16/1C	ECLB	0C/+75C	-5.2V	500MXMW	ECL	ECL		F10416DC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
F10416FC	PROM	4-BIT	1K=256X4/TYP. ACCESS 15NS/ 5X 3Y 1CS ADDRESS LINES	10800
F10470DC	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 30NS	10000
F27081DC	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F27081DL	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
F38501DC	CPU	8-BIT	1-CHIP CENTRAL PROCESSING UNIT FOR F8 FAM.	F8
F38503DC	CPU	8-BIT	1-CHIP CENTRAL PROCESSING UNIT FOR F8 FAM.	F8
F68308CL	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 2CS LINES	6800
F68308CP	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 2CS LINES	6800
F68308L	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 2CS LINES	6800
F68308ML	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 2CS LINES	6800
F68308P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 2CS LINES	6800
F68316CL	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/11 ADDRESS 3CS LINES	6800
F68316CP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/11 ADDRESS 3CS LINES	6800
F68316L	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/11 ADDRESS 3CS LINES	6800
F68316ML	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/11 ADDRESS 3CS LINES	6800
F68316P	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/11 ADDRESS 3CS LINES	6800
F68488CL	IFACE	8-BIT	GENERAL PURPOSE INTERFACE ADAPTER (IEEE488 BUS TO 6800 BUS)	6800
F68488CP	IFACE	8-BIT	GENERAL PURPOSE INTERFACE ADAPTER (IEEE488 BUS TO 6800 BUS)	6800
F68488L	IFACE	8-BIT	GENERAL PURPOSE INTERFACE ADAPTER (IEEE488 BUS TO 6800 BUS)	6800
F68488ML	IFACE	8-BIT	GENERAL PURPOSE INTERFACE ADAPTER (IEEE488 BUS TO 6800 BUS)	6800
F68488P	IFACE	8-BIT	GENERAL PURPOSE INTERFACE ADAPTER (IEEE488 BUS TO MC6800 BUS)	6800
F100415DL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	10800
F100415FL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	10800
F100416DC	PROM	1-BIT	1K=1024X1/TYP. ACCESS 15NS/5X 3Y 1CS ADDRESS LINES	10800
F100416FC	PROM	1-BIT	1K=1024X1/TYP. ACCESS 15NS/5X 3Y 1CS ADDRESS LINES	10800
FD1771A	FLPDC	8-BIT	FLOPPY DISK FORMATTER-CONTROLLER	8080
FD1771B	FLPDC	8-BIT	FLOPPY-DISK FORMATTER/CONTROLLER	8080
GFB74148DP	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
GFB74181DP	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
GFC54148DC	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
GFC54181DC	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
GMB74LS181DP	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
GMC54LS181DC	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
GXB10139B	PROM	8-BIT	256=32X8/MAX. ACCESS 20NS/5 ADDRESS 1CE LINES	10000
GXB10139D	PROM	8-BIT	256=32X8/MAX. ACCESS 20NS/5 ADDRESS 1CE LINES	10000
GXB10139F	PROM	8-BIT	256=32X8/MAX. ACCESS 20NS/5 ADDRESS 1CE LINES	10000
GXB10140B	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS.6 ADDRESS 20E LINES/90 OHM LOAD	10000
GXB10140D	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS/6 ADDRESS 20E LINES/90 OHM LOAD	10000
GXB10140F	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS/6 ADDRESS 20E LINES/90 OHM LOAD	10000
GXB10140P	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS/6 ADDRESS 20E LINES/90 OHM LOAD	10000
GXB10142B	SRAM	1-BIT	64=64X1/MAX. ACCESS 10NS/6 ADDRESS 2CE LINES/50 OHM LOAD	10000
GXB10142D	SRAM	1-BIT	64=64X1/MAX. ACCESS 10NS/6 ADDRESS 2CE LINES/50 OHM LOAD	10000
GXB10142F	SRAM	1-BIT	64=64X1/MAX. ACCESS 10NS/6 ADDRESS 2CE LINES/50 OHM LOAD	10000
GXB10142P	SRAM	1-BIT	64=64X1/MAX. ACCESS 10NS/6 ADDRESS 2CE LINES/50 OHM LOAD	10000
GXB10144B	SRAM	1-BIT	256=256X1/MAX. ACCESS 30NS/8 ADDRESS 3CE LINES	10000
GXB10144D	SRAM	1-BIT	256=256X1/MAX. ACCESS 30NS/8 ADDRESS 3CE LINES	10000
GXB10144E	SRAM	1-BIT	256=256X1/MAX. ACCESS 30NS/8 ADDRESS 3CE LINES	10000
GXB10144F	SRAM	1-BIT	256=256X1/MAX. ACCESS 30NS/8 ADDRESS 3CE LINES	10000
GXB10145B	SRAM	4-BIT	64=16X4/4 ADDRESS 1CE LINES	10000
GXB10145D	SRAM	4-BIT	64=16X4/4 ADDRESS 1CE LINES	10000
GXB10145F	SRAM	4-BIT	64=16X4/4 ADDRESS 1CE LINES	10000
GXB10145P	SRAM	4-BIT	64=16X4/4 ADDRESS 1CE LINES	10000
GXB10146B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 7NS/5X 5Y 1CS ADDRESS LINES	10000
GXB10146F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 7NS/5X 5Y 1CS ADDRESS LINES	10000
GXB10147A	SRAM	1-BIT	128=128X1/MAX. ACCESS 12NS/4X 3Y 2CE ADDRESS LINES	10000
GXB10148B	SRAM	1-BIT	64=64X1/50 OHM LOAD/MAX. ACCESS 15NS/6 ADDRESS 2CE LINES	10000
GXB10148D	SRAM	1-BIT	64=64X1/50 OHM LOAD/MAX. ACCESS 15NS/6 ADDRESS 2CE LINES	10000
GXB10148F	SRAM	1-BIT	64=64X1/50 OHM LOAD/MAX. ACCESS 15NS/6 ADDRESS 2CE LINES	10000
GXB10148P	SRAM	1-BIT	64=64X1/50 OHM LOAD/MAX. ACCESS 15NS/6 ADDRESS 2CE LINES	10000
GXB10149	PROM	4-BIT	1K=256X4/TYP. ACCESS 12NS/5X 3Y 1CE ADDRESS LINES	10000
GXB10149B	PROM	4-BIT	1K=256X4/MAX. ACCESS 20NS/8 ADDRESS 1CE LINES	10000
GXB10149D	PROM	4-BIT	1K=256X4/MAX. ACCESS 20NS/8 ADDRESS 1CE LINES	10000
GXB10149E	PROM	4-BIT	1K=256X4/MAX. ACCESS 20NS/8 ADDRESS 1CE LINES	10000
GXB10149F	PROM	4-BIT	1K=256X4/MAX. ACCESS 20NS/8 ADDRESS 1CE LINES	10000
GXB10151B	SRAM	1-BIT	64=64X1	10000
GXB10151F	SRAM	1-BIT	64=64X1	10000
GXB10155B	CAM	2-BIT	16=8X2/MAX. ACCESS 13NS	10000
GXB10155E	CAM	2-BIT	16=8X2/MAX. ACCESS 13NS	10000
GXB10155F	CAM	2-BIT	16=8X2/MAX. ACCESS 13NS	10000
GXB10155N	CAM	2-BIT	16=8X2/MAX. ACCESS 13NS	10000
GXB10405B	SRAM	1-BIT	128=128X1/MAX. ACCESS 15NS/7 ADDRESS 2CE LINES	10000
GXB10405E	SRAM	1-BIT	128=128X1/MAX. ACCESS 15NS/7 ADDRESS 2CE LINES	10000
GXB10405F	SRAM	1-BIT	128=128X1/MAX. ACCESS 15NS/7 ADDRESS 2CE LINES	10000
GXB10410B	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/8 ADDRESS 3CE LINES	10000
GXB10410E	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/8 ADDRESS 3CE LINES	10000

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FAS	FLP-16/3C	ECLB	0C/+75C	-5.2V	500MXMW	ECL	ECL		F10416PC
FAS	DIL-18/1C	ECLB	0C/+75C	-5.2V	200TPMA	ECL	ECL	/OE-	F10470DC
FAS	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708-1	F27081DC
FAS	DIL-24/2Q	NMOS	-40C/+85C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	M2708-1	F27081DL
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL	M3850	F38501DC
FAS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL	M3850	F38503DC
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMW	TTL	TTL/TS	F68A308CL	F68308CL
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMW	TTL	TTL/TS	F68A308CP	F68308CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMW	TTL	TTL/TS	MCM68308L	F68308L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	130MXMW	TTL	TTL/TS	F68A308ML	F68308ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMW	TTL	TTL/TS	MCM68308P	F68308P
FAS	DIL-24/2C	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL/TS	F68A316CL	F68316CL
FAS	DIL-24/2P	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL/TS	MCM68A316AC	F68316CP
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	F68A316L	F68316L
FAS	DIL-24/2C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	F68A316ML	F68316ML
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	MCM68A316AP	F68316P
FAS	DIL-40/2C	NMOS	-40C/+85C	+5V	600TPMW	TTL	TTL	F68488CP	F68488CL
FAS	DIL-40/2P	NMOS	-40C/+85C	+5V	600TPMW	TTL	TTL	F68488CL	F68488CP
FAS	DIL-40/2C	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	MC68488L	F68488L
FAS	DIL-40/2C	NMOS	-55C/+125C	+5V	600TPMW	TTL	TTL		F68488ML
FAS	DIL-40/2P	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	MC68488P	F68488P
FAS	DIL-16/1C	ECLB	0C/+85C	-5.2V	500MXMW	ECL	ECL		F100415DL
FAS	FLP-16/3C	ECLB	0C/+85C	-5.2V	500MXMW	ECL	ECL		F100415FL
FAS	DIL-16/1C	ECLB	0C/+75C	-5.2V	500MXMW	ECL	ECL		F100416DC
FAS	FLP-16/3C	ECLB	0C/+75C	-5.2V	500MXMW	ECL	ECL		F100416FC
WDC	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	30TPMA	TTL	TTL/TS	INS1771D-1	FD1771A
WDC	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	30TPMA	TTL	TTL/TS	INS1771N-1	FD1771B
THC	DIL-16/1P	TTLB	0C/+70C	+5V	190TPMW	TTL	TTL	SN74148N	GFB74148DP
THC	DIL-24/2P	TTLB	0C/+70C	+5V	455TPMW	TTL	TTL/OC	AM74S181J	GFB74181DP
THC	DIL-16/1C	TTLB	-55C/+125C	+5V	190TPMW	TTL	TTL	SN54148JM	GFC54148DC
THC	DIL-24/2C	LSTB	-55C/+125C	+5V	35MXMA	TTL	TTL	AM54181J	GFC54181DC
THC	DIL-24/2P	LSTB	0C/+70C	+5V	37MXMA	TTL	TTL	AM74LS181J	GMB74LS181DP
THC	DIL-24/2C	LSTB	-55C/+125C	+5V	35MXMA	TTL	TTL	AM54LS181J	GMC54LS181DC
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	145MXMA	ECL	ECL/OE	SN10139J	GXB10139B
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	145MXMA	ECL	ECL/OE	SN10139J	GXB10139D
PHI	DIL-18/1C	ECLB	-30C/+85C	-5.2V	145MXMA	ECL	ECL/OE	SN10139J	GXB10139F
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	80TPMA	ECL	ECL/OE	SN10140JE	GXB10140B
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	80TPMA	ECL	ECL/OE	SN10140JE	GXB10140D
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	80TPMA	ECL	ECL/OE	SN10140JE	GXB10140F
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	80TPMA	ECL	ECL/OE	SN10140J	GXB10140P
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	100MXMA	ECL	ECL/OE	SN10142J	GXB10142B
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	100MXMA	ECL	ECL/OE	SN10142J	GXB10142D
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	100MXMA	ECL	ECL/OE	SN10142J	GXB10142F
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	100MXMA	ECL	ECL/OE	SN10142J	GXB10142P
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	112MXMA	ECL	ECL/OE	SN10144J	GXB10144B
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	112MXMA	ECL	ECL/OE	SN10144J	GXB10144D
PHI	DIL-16/1M	ECLB	-30C/+85C	-5.2V	112MXMA	ECL	ECL/OE	SN10144JE	GXB10144E
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	112MXMA	ECL	ECL/OE	SN10144J	GXB10144F
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	145MXMA	ECL	ECL/OE	F10145ADC	GXB10145B
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	145MXMA	ECL	ECL/OE	F10145ADC	GXB10145D
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	145MXMA	ECL	ECL/OE	F10145ADC	GXB10145F
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	145MXMA	ECL	ECL/OE	SN10145J	GXB10145P
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V		ECL	ECL/OE		GXB10146B
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V		ECL	ECL/OE		GXB10146F
SIE	DIL-16/1C	ECLB	0C/+85C	-5.2V	100MXMA	-1.6/-.8V	-1.6/-.8V	SN10147AJ	GXB10147A
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	80TPMA	ECL	ECL/OE	uPB10148D	GXB10148B
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	80TPMA	ECL	ECL/OE	SN10148J	GXB10148D
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	80TPMA	ECL	ECL/OE	SN10148J	GXB10148F
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	80TPMA	ECL	ECL/OE	uPB10148D	GXB10148P
SIE	DIL-16/1C	ECLB	0C/+85C	-5.2V	110TPMA	-1.6/-.8V	-1.6/-.8V	MCM10149	GXB10149
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	150MXMA	ECL	ECL/OE	MCM10149	GXB10149B
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	150MXMA	ECL	ECL/OE	MCM10149	GXB10149D
PHI	DIL-16/1M	ECLB	-30C/+85C	-5.2V	150MXMA	ECL	ECL/OE	MC10149	GXB10149E
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	150MXMA	ECL	ECL/OE	MCM10149	GXB10149F
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V		ECL	ECL/OE		GXB10151B
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V		ECL	ECL/OE		GXB10151F
PHI	DIL-18/1P	ECLB	-30C/+85C	-5.2V	140MXMA	ECL	ECL/OE		GXB10155B
PHI	DIL-18/1M	ECLB	-30C/+85C	-5.2V	140MXMA	ECL	ECL/OE		GXB10155E
PHI	DIL-18/1C	ECLB	-55C/+125C	-5.2V	140MXMA	ECL	ECL/OE		GXB10155F
SIG	DIL-18/1P	ECLB	-30C/+85C	-5.2V	140MXMA	ECL	ECL/OE		GXB10155N
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	110MXMA	ECL	ECL/OE	F10405C	GXB10405B
PHI	DIL-16/1M	ECLB	-30C/+85C	-5.2V	110MXMA	ECL	ECL/OE	F10405C	GXB10405E
PHI	DIL-16/1M	ECLB	-30C/+85C	-5.2V	110MXMA	ECL	ECL/OE	F10405C	GXB10405F
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V	125MXMA	ECL	ECL/OE	F10410PC	GXB10410B
PHI	DIL-16/1M	ECLB	-30C/+85C	-5.2V	125MXMA	ECL	ECL/OE	F10410DC	GXB10410E

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
GXB10410F	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/8 ADDRESS 3CE LINES	10000
GXB10415B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 25NS/10 ADDRESS 1CE LINES	10000
GXB10415E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 25NS/10 ADDRESS 1CE LINES	10000
GXB10415F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 25NS/10 ADDRESS 1CE LINES	10000
GZF1400D	SRAM	1-BIT	256=256X1/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
GZF1400P	SRAM	1-BIT	256=256X1/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
H1702A-2	EPROM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.
H1702AL	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS 1CS LINES	GEN. PURP.
H1702AL-2	EPROM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.
HD268T26	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER	6800
HD268T26P	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER	6800
HD2912	LVLSH	4-BIT	QUAD TTL-TO-MOS CLOCK DRIVER/MAX. PROPAGATION DELAY 50NS	GEN. PURP.
HD2916	LVLSH	4-BIT	QUAD TTL-TO-NMOS CLOCK DRIVERS/MAX. PROPAGATION DELAY 50NS	GEN. PURP.
HD2923	LVLSH	4-BIT	QUAD ECL-TO-TTL DRIVER/MAX. PROPAGATION DELAY 10NS	10800
HD3502	SHFTR	.	1K=4X256 DYNAMIC SHIFT REG./5MHZ CLOCK SPEED/QUAD-256	GEN. PURP.
HD3502P	SHFTR	.	1K=4X256 DYNAMIC SHIFT REG./5MHZ CLOCK SPEED/QUAD-256	GEN. PURP.
HD3503	SHFTR	2-BIT	1K=512X2/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
HD3503P	SHFTR	2-BIT	1K=512X2/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
HD3504	SHFTR	1-BIT	1K=1024X1/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
HD3504P	SHFTR	1-BIT	1K=1024X1/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
HD3505	SHFTR	.	512-BIT DYNAMIC SHIFT REG./2MHZ CLOCK SPEED/SINGLE-512	GEN. PURP.
HD3505P	SHFTR	.	512-BIT DYNAMIC SHIFT REG./2MHZ CLOCK SPEED/SINGLE-512	GEN. PURP.
HD3506	SHFTR	.	DUAL 100-BIT DYNAMIC SHIFT REGISTER/2MHZ CLOCK	GEN. PURP.
HD3506P	SHFTR	.	DUAL 100-BIT DYNAMIC SHIFT REGISTER/2MHZ CLOCK	GEN. PURP.
HD3507	SHFTR	.	DUAL 100-BIT DYNAMIC SHIFT REGISTER/2MHZ CLOCK	GEN. PURP.
HD3507P	SHFTR	.	DUAL 100-BIT DYNAMIC SHIFT REGISTER/2MHZ CLOCK	GEN. PURP.
HD3508	SHFTR	.	QUAD 64-BIT DYNAMIC SHIFT REGISTERS/5MHZ CLOCK	GEN. PURP.
HD3508P	SHFTR	.	QUAD 64-BIT DYNAMIC SHIFT REGISTERS/5MHZ CLOCK	GEN. PURP.
HD3509	SHFTR	.	DUAL 128-BIT DYNAMIC SHIFT REGISTER/5MHZ CLOCK/RECIRCULATE	GEN. PURP.
HD3509P	SHFTR	.	DUAL 128-BIT DYNAMIC SHIFT REGISTER/5MHZ CLOCK/RECIRCULATE	GEN. PURP.
HD3510	SHFTR	.	256-BIT DYNAMIC RECIRCULATE SHIFT REGISTER/2.5MHZ CLOCK	GEN. PURP.
HD3510P	SHFTR	.	256-BIT DYNAMIC RECIRCULATE SHIFT REGISTER/2.5MHZ CLOCK	GEN. PURP.
HD26501	CLOCK	.	2-PHASE CLOCK GENERATOR-DRIVER	6800
HD35402P	RAMIO	4-BIT	320=4X20X4 RAM + 4-BIT OUTPUT PORT	4004
HD35403P	SHFTR	10-BIT	SHIFT REGISTER. SERIAL INPUT. PARALLEL OUTPUT	4004/4040
HD35404	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4004 FAMILY	4004
HD46503	FLPDC	8-BIT	FLOPPY DISK CONTROLLER/IBM3740 FORMAT	6800
HD46504	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER	6800
HD46505	CRTC	8-BIT	CRT CONTROLLER	6800
HD46800	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM.	6800
HD46802	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHIP SYSTM	6802
HD46820	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAM.	6800
HD46821	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
HD46850	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER FOR 6800 FAM.	6800
HEF4720BD	SRAM	1-BIT	256=256X1/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
HEF4720BP	SRAM	1-BIT	256=256X1/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
HEF4720VBD	SRAM	1-BIT	256=256X1/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
HEF4720VBP	SRAM	1-BIT	256=256X1/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
HEF4721BD	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
HEF4721BP	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
HEF4736BD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS	GEN. PURP.
HEF4736BP	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS	GEN. PURP.
HM468A10	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 68A00	6800
HM468A10P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 68A00	6800
HM2105	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CS ADDR. LINES	GEN. PURP.
HM2106	SRAM	1-BIT	256=256X1/MAX. ACCESS 15NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
HM2110	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDR. LINES	10800
HM2110-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 25NS/5X 5Y 1CS ADDR. LINES	10800
HM2110-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 20NS/5X 5Y 1CS ADDR. LINES	10800
HM2112	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 7NS/5X 5Y 1CS ADDR. LINES	10800
HM2504	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDR. LINES	GEN. PURP.
HM2504-1	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
HM2510	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDR. LINES	GEN. PURP.
HM2510-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDR. LINES	GEN. PURP.
HM2510-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
HM2511	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
HM2511-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDR. LINES	GEN. PURP.
HM4315P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/7X 5Y ADDRESS LINES/100uA STANDBY	GEN. PURP.
HM4704L-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MUX. ADDR. 1CS LINES/33MW STANDBY	GEN. PURP.
HM4704L-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MUX. ADDR. 1CS LINES/33MW STANDBY	GEN. PURP.
HM4704L-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDR. 1CS LINES/33MW STANDBY	GEN. PURP.
HM4704L-6	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDR. 1CS LINES/27MW STANDBY	GEN. PURP.
HM4704-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
HM4710	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 100NS	GEN. PURP
HM4711-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 130NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V	125MXMA	ECL	ECL/OE	F10410DC	GXB10410F
PHI	DIL-16/1P	ECLB	-30C/+85C	-5.2V		ECL	ECL/OE	GXB10415F	GXB10415B
PHI	DIL-16/1M	ECLB	-30C/+85C	-5.2V		ECL	ECL/OE	GXB10415F	GXB10415E
PHI	DIL-16/1C	ECLB	-30C/+85C	-5.2V		ECL	ECL/OE	GXB10415E	GXB10415F
PHI	DIL-16/1C	CMOS	-40C/+85C	+5V		TTL	TTL		GZF1400D
PHI	DIL-16/1P	CMOS	-40C/+85C	+5V		TTL	TTL		GZF1400P
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	60MXMA	TTL	TTL/TS	MK3702-1T	H1702A-2
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	40MXMA	TTL	TTL/TS	MK3702-3T	H1702AL
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	40MXMA	TTL	TTL/TS	MK3702-1T	H1702AL-2
HIT	DIL-16/1C	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	MC8T26L(6880)	HD268T26
HIT	DIL-16/1P	STLB	0C/+75C	+5V	87MXMA	TTL	87MXMA	MC8T26P(6880)	HD268T26P
HIT	DIL-16/1C	BIP	0C/+70C	-5V/+12V	1TPW	TTL	NMOS		HD2912
HIT	DIL-16/1C	BIP	0C/+70C	-5V/+12V	2.4TPW	TTL	NMOS		HD2916
HIT	DIL-	STLB	-10C/+85C	-5.2V/+5V	350MXMW	ECL	TTL	MC10125	HD2923
HIT	DIL-16/1C	PMOS	0C/+70C	-9Y/+5V	25MXMA	TTL	MDS/TTL	C1402A	HD3502
HIT	DIL-16/1P	PMOS	0C/+70C	-9V/+5V	25MXMA	TTL	MOS/TTL	P1402A	HD3502P
HIT	DIL-8/1C	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL	1403V	HD3503
HIT	DIL-8/1P	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL	1403V	HD3503P
HIT	DIL-8/1C	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL	1404V	HD3504
HIT	DIL-8/1P	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL	1404V	HD3504P
HIT	DIL-16/1C	PMOS	0C/+70C	-9V/+5V	40MXMA	TTL	TTL		HD3505
HIT	DIL-16/1P	PMOS	0C/+70C	-9V/+5V	40MXMA	TTL	TTL		HD3505P
HIT	DIL-8/1C	PMOS	0C/+70C	-5V/+5V		MOS	MOS/OD		HD3506
HIT	DIL-8/1P	PMOS	0C/+70C	-5V/+5V		MOS	MOS/OD		HD3506P
HIT	DIL-8/1C	PMOS	0C/+70C	-5V/+5V		MOS	MOS		HD3507
HIT	DIL-8/1P	PMOS	0C/+70C	-5V/+5V		MOS	MOS		HD3507P
HIT	DIL-16/1C	PMOS	0C/+70C	-5V/+5V		MOS	MOS		HD3508
HIT	DIL-16/1C	PMOS	0C/+70C	-5V/+5V		MOS	MOS		HD3508P
HIT	DIL-16/1C	PMOS	0C/+70C	-5V/+5V		MOS	MOS		HD3509
HIT	DIL-16/1P	PMOS	0C/+70C	-5V/+5V		MOS	MOS		HD3509P
HIT	DIL-8/1C	PMOS	0C/+70C	-5V/+5V		MOS	MOS		HD3510
HIT	DIL-8/1P	PMOS	0C/+70C	-5V/+5V		MOS	MOS		HD3510P
HIT	DIL-16/1C	STLB	0C/+70C	+5V	150MXMA		TTL	MC6875L	HD26501
HIT	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	33MXMA	TTL	TTL	D4002-1	HD35402P
HIT	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	8.5MXMA	TTL	TTL	P4003	HD35403P
HIT	DIL-16/1C	PMOS	0C/+70C	-10V/+5V	600MXMW	TTL	TTL	D4004	HD35404
HIT	DIL-40/2C	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL	MC6843L	HD46503
HIT	DIL-40/2C	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL	MC6844L	HD46504
HIT	DIL-40/2C	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	MC6845L	HD46505
HIT	DIL-40/2C	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL/TS	MC6800L	HD46800
HIT	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	MC6802L	HD46802
HIT	DIL-40/2C	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MC6820L	HD46820
HIT	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC6821L	HD46821
HIT	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6850L	HD46850
PHI	DIL-16/1C	CMOS	-40C/+85C	+5V		TTL	TTL	4720DC	HEF4720BD
PHI	DIL-16/1P	CMOS	-40C/+85C	+5V		TTL	TTL	4720PC	HEF4720BP
PHI	DIL-16/1C	CMOS	-40C/+85C	+5V		TTL	TTL	4720DM	HEF4720VBD
PHI	DIL-16/1P	CMOS	-40C/+85C	+5V		TTL	TTL	4720PC	HEF4720VBP
PHI	DIL-22/4C	CMOS	-40C/+85C	+5V	27MXMA	TTL	TTL/TS	4721DC	HEF4721BD
PHI	DIL-22/4P	CMOS	-40C/+85C	+5V	27MXMA	TTL	TTL/TS	4721PC	HEF4721BP
PHI	DIL-16/1C	CMOS	-40C/+85C	+5V		TTL	TTL	4736	HEF4736BD
PHI	DIL-16/1P	CMOS	-40C/+85C	+5V		TTL	TTL	4736	HEF4736BP
HIT	DIL-24/2C	NMOS	-20C/+75C	+5V	70MXMA	TTL	TTL/TS	MCM68A10L	HM468A10
HIT	DIL-24/2P	NMOS	-20C/+75C	+5V	70MXMA	TTL	TTL/TS	MCM68A10P	HM468A10P
HIT	DIL-16/1C	ECL	0C/+75C	-5.2V	120MXMA	ECL	ECL	MCM10144L	HM2105
MTA	DIL-16/1C	ECL	0C/+75C	-5.2V	120MXMA	ECL	ECL	MCM10152L	HM2106
HIT	DIL-16/1C	ECL	0C/+75C	-5.2V	150MXMA	ECL	ECL	F10415ADC	HM2110
HIT	DIL-16/1C	ECL	0C/+75C	-5.2V	150MXMA	ECL	ECL	GXB10415B	HM2110-1
HIT	DIL-16/1C	ECL	0C/+75C	-5.2V	150MXMA	ECL	ECL		HM2110-2
HIT	DIL-16/1C	ECL	0C/+75C	-5.2V	200MXMA	ECL	ECL		HM2112
HIT	DIL-16/1C	BIP	0C/+75C	+5V	135MXMA	TTL	TTL/OC	93411DC	HM2504
HIT	DIL-16/1C	BIP	0C/+75C	+5V	135MXMA	TTL	TTL/OC	93411ADC	HM2504-1
HIT	DIL-16/1C	BIP	0C/+75C	+5V	155MXMA	TTL	TTL/OC	93415DC	HM2510
HIT	DIL-16/1C	BIP	0C/+75C	+5V	155MXMA	TTL	TTL/OC	93415DC	HM2510-1
HIT	DIL-16/1C	BIP	0C/+75C	+5V	155MXMA	TTL	TTL/OC	93415ADC	HM2510-2
HIT	DIL-16/1C	BIP	0C/+75C	+5V	155MXMA	TTL	TTL/TS	93425ADC	HM2511
HIT	DIL-16/1C	BIP	0C/+75C	+5V	155MXMA	TTL	TTL/TS	93425ADC	HM2511-1
HIT	DIL-18/1P	CMOS	0C/+70C	+5V	15MXMA	TL/CMOS	TTL/CMOS		HM4315P
HIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MK4027P-2	HM4704L-2
HIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MK4027P-3	HM4704L-3
HIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MK4027P-4	HM4704L-4
HIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	528MXMW	TTL	TTL/TS	ITT4027-6	HM4704L-6
HIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MK4027P-2	HM4704-2
HIT	DIL-22/1C	NMOS	0C/+75C	-5.2V/+5V/+12V	600MXMW	TTL	TTL		HM4710
HIT	DIL-22/2C	NMOS	0C/+75C	-5V/+5V/+12V	792MXMW	TTL	TTL/TS		HM4711-1

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
HM4711-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
HM4711-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
HM4716	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX. ADDR. LINES	GEN. PURP.
HM4716A-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX. ADDR. LINES	GEN. PURP.
HM4716A-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDR. LINES	GEN. PURP.
HM4716A-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX. ADDR. LINES	GEN. PURP.
HM4716AP-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX. ADDR. LINES	GEN. PURP.
HM4716AP-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDR. LINES	GEN. PURP.
HM4716AP-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX. ADDR. LINES	GEN. PURP.
HM4816	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 100NS/7 MUX. ADDRESS LINES/55MXMW STNDBY	GEN. PURP.
HM4847	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADD. LINES/AUTO POWER DOWN	GEN. PURP.
HM4847-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 45NS/6X 6Y 1CS ADD. LINES/AUTO POWER DOWN	GEN. PURP.
HM4847-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/6X 6Y 1CS ADD. LINES/AUTO POWER DOWN	GEN. PURP.
HM6147LP	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADD. LINES/5uW STANDBY	GEN. PURP.
HM6147LP-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/6X 6Y 1CS ADD. LINES/5uW STANDBY	GEN. PURP.
HM6147P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
HM6147P-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
HM46810	SRAM	8-BIT	1K=128X8/MAX. ACCESS450NS/7 ADDRESSS 6CS LINES/FOR 1MHZ 6800	6800
HM46810P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
HM435101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
HM435101P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
HM435101P-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
HM435101V	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
HM435101VP	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
HM435101-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
HM472114AP-1	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
HM472114AP-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
HM472114P-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
HM472114P-4	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 400NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
HM472114-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
HM472114-4	SRAM	4-BIT	4K=1024X4 MAX. ACCESS 400NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
HN35600P	MROM	8-BIT	256X8(=512X4)/MAX. ACCESS 930NS/4-BIT I-O PORT/MUX. SERIAL CNTRL	4004/4040
HN35800P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 930NS/4 4-BIT I-O PORTS/MUX. SER. CONTROL	4004/4040
HN46532P-2	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES	GEN. PURP.
HN46532P-3	MROM	8-BIT	32K=4096X8/MAX. ACCESS 600NS/12 ADDRESS 2CS LINES	GEN. PURP.
HN46532-2	MROM	8-BIT	32K=4096X8/MAX. ACCESS 480NS/12 ADDRESS 2CS LINES	GEN. PURP.
HN46532-3	MROM	8-BIT	32K=4096X8/MAX. ACCESS 600NS/12 ADDRESS 2CS LINES	GEN. PURP.
HN46830	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 4CS LINES	6800
HN46830P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 4CS LINES	6800
HN351702A	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS, 1CS LINES	GEN. PURP.
HN462316EP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES	8080
HN462708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
HN462716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CE ADDRESS LINES/POWER DOWN	8085/8048
HYB4060	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS 1CS LINES	GEN. PURP.
HYB4060A	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS 1CS LINES	GEN. PURP.
I4801	CLOCK	.	CLOCK GENERATOR CRYSTAL/5.185MHZ/ AT-CUT FUNDAMENTAL	4004-4040
I8801	CLOCK	.	CLOCK GENERATOR CRYSTAL FOR 8224-8080A/18.432MHZ/FUNDAMENTL MODE	
ICL8240CPE	CTC	.	PROGRAMMABLE TIMER-COUNTER/1RC TO 255RC	GEN. PURP.
ICL8240MDE	CTC	.	PROGRAMMABLE TIMER-COUNTER/1RC TO 255RC	GEN. PURP.
ICL8250CPE	CTC	.	PROGRAMMABLE TIMER-COUNTER/1RC TO 99RC	GEN. PURP.
ICL8250MDE	CTC	.	PROGRAMMABLE TIMER-COUNTER/1RC TO 99RC	GEN. PURP.
ICL8260CPE	CTC	.	PROGRAMMABLE TIMER-COUNTER/1RC TO 59RC	GEN. PURP.
ICL8260MDE	CTC	.	PROGRAMMABLE TIMER-COUNTER/1RC TO 59RC	GEN. PURP.
ICM7209IPA	CLOCK	1-BIT	CLOCK GENERATOR/10MHZ/OSC + OSC DIVIDE-BY-8 OUTPUTS	GEN. PURP.
ICM7211AIPL	DSPLC	4-BIT	4-DIGIT NON-MUX. 7-SEGMENT DISPLAY DECODER DRIVER/LCD/MUX. I-P	GEN. PURP.
ICM7211AMIPL	DSPLC	4-BIT	4-DIGIT NON-MUX. 7-SEGMENT DISPLAY DECODER DRIVER/LCD/MIPROC I-P	GEN. PURP.
ICM7211IPL	DSPLC	4-BIT	4-DIGIT NON-MUX. 7-SEGMENT DISPLAY DECODER DRIVER/LCD/MUX I-P	GEN. PURP.
ICM7211MIPL	DSPLC	4-BIT	4-DIGIT NON-MUX. 7-SEGMENT DISPLAY DECODER DRIVER/LCD/MIPROC I-P	GEN. PURP.
ICM7212AIPL	DSPLC	4-BIT	4-DIGIT NON-MUX. 7-SEGMENT DISPLAY DECODER DRIVER/LED/MUX. I-P	GEN. PURP.
ICM7212AMIPL	DSPLC	4-BIT	4-DIGIT NON-MUX. 7-SEGMENT DISPLAY DECODER DRIVER/LED/MIPROC I-P	GEN. PURP
ICM7212IPL	DSPLC	4-BIT	4-DIGIT NON-MUX. 7-SEGMENT DISPLAY DECODER DRIVER/LED/MUX. I-P	GEN. PURP.
ICM7212MIPL	DSPLC	4-BIT	4-DIGIT NON-MUX. 7-SEGMENT DISPLAY DECODER DRIVER/LED/MIPROC I-P	GEN. PURP.
ICM7216AIPI	CTC	1-BIT	10MHZ UNIV. COUNTER DRIVER FOR 7-8 SEG. LED/COM ANODE/PERIOD CTR	GEN. PURP.
ICM7216BIPI	CTC	1-BIT	10MHZ UNIV. COUNTER DRIVER FOR 7-8 SEG. LED/COM CATH./PERIOD CTR	GEN. PURP.
ICM7216CIPI	CTC	1-BIT	10MHZ UNIV. COUNTER DRIVER FOR 7-8 SEG. LED/COM ANODE	GEN. PURP.
ICM7216DIPI	CTC	1-BIT	10MHZ UNIV. COUNTER DRIVER FOR 7-8 SEG. LED/COM CATH.	GEN. PURP.
ICM7217AIPI	CTC	4-BIT	4-DIGIT UP-DOWN-COUNTER-DISPLAY DRIVER/MUX. 7-SEG. LED/COM CATH.	GEN. PURP.
ICM7217BIJI	CTC	4-BIT	4-DIGIT UP-DOWN-COUNTER-DISPLAY DRIVER/MUX. 7-SEG. LED/COM ANODE	GEN. PURP.
ICM7217CIPI	CTC	4-BIT	4-DIGIT UP-DOWN COUNTER-DISPLAY DRIVER/MUX. 7-SEG. LED/COM CATH.	GEN. PURP.
ICM7217IJI	CTC	4-BIT	4-DIGIT UP-DOWN-COUNTER-DISPLAY DRIVER/MUX. 7-SEG. LED/COM ANODE	GEN. PURP.
ICM7218AIJI	DSPLC	.	UNIVERSAL 8-DIGIT LED DRIVER/COM ANODE	GEN. PURP.
ICM7218BIPI	DSPLC	.	UNIVERSAL 8-DIGIT LED DRIVER/COM CATH.	GEN. PURP.
ICM7218CIJI	DSPLC	.	UNIVERSAL 8-DIGIT LED DRIVER/COM ANODE	GEN. PURP.
ICM7218DIPI	DSPLC	.	UNIVERSAL 8-DIGIT LED DRIVER/COM CATH.	GEN. PURP.
ICM7218EIDL	DSPLC	.	UNIVERSAL 8-DIGIT LED DRIVER/COM ANODE	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
HIT	DIL-22/2C	NMOS	0C/+75C	-5V/+5V/+12V	792MXMW	TTL	TTL/TS		HM4711-2
HIT	DIL-22/2C	NMOS	0C/+75C	-5V/+5V/+12V	792MXMW	TTL	TTL/TS	B2107B	HM4711-3
HIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MK4116P-4	HM4716
HIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	27MXMA	TTL	TTL/TS	MK4116P-2	HM4716A-2
HIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	27MXMA	TTL	TTL/TS	MK4116P-3	HM4716A-3
HIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	27MXMA	TTL	TTL/TS	MK4116P-4	HM4716A-4
HIT	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	27MXMA	TTL	TTL/TS	MK4116N-2	HM4716AP-2
HIT	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	27MXMA	TTL	TTL/TS	MK4116P-3	HM4716AP-3
HIT	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	27MXMA	TTL	TTL/TS	MK4116P-4	HM4716AP-4
HIT	DIL-16/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL		HM4816
HIT	DIL-18/1C	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	C2147L	HM4847
HIT	DIL-18/1C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL/TS		HM4847-2
HIT	DIL-18/1C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL/TS	C2147L-3	HM4847-3
HIT	DIL-18/1P	CMOS	0C/+70C	+5V	12MXMA	TTL	TTL/TS		HM6147LP
HIT	DIL-18/1P	CMOS	0C/+70C	+5V	12MXMA	TTL	TTL/TS		HM6147LP-3
HIT	DIL-18/1P	CMOS	0C/+70C	+5V	35MXMA	TTL	TTL/TS	D2147	HM6147P
HIT	DIL-18/1P	CMOS	0C/+70C	+5V	35MXMA	TTL	TTL/TS	D2147-3	HM6147P-3
HIT	DIL-24/2C	NMOS	-20C/+75C	+5V	70MXMA	TTL	TTL/TS	MCM6810L	HM4681O
HIT	DIL-24/2P	NMOS	-20C/+75C	+5V	70MXMA	TTL	TTL/TS	MCM6810P	HM4681OP
HIT	DIL-22/4C	CMOS	0C/+70C	+5V	27MXMA	TTL	TTL/TS	C5101L	HM435101
HIT	DIL-22/4P	CMOS	0C/+70C	+5V	27MXMA	TTL	TTL/TS	P5101L	HM435101P
HIT	DIL-22/4P	CMOS	0C/+70C	+5V	27MXMA	TTL	TTL/TS	P5101L-1	HM435101P-1
HIT	DIL-22/4C	CMOS	-20C/+75C	+5V	29MXMA	TTL	TTL/TS	C5101L	HM435101V
HIT	DIL-22/4P	CMOS	-20C/+75C	+5V	29MXMA	TTL	TTL/TS	P5101L	HM435101VP
HIT	DIL-22/4C	NMOS	0C/+70C	+5V	27MXMA	TTL	TTL/TS	C5101L-1	HM435101-1
HIT	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2114A-1	HM472114AP-1
HIT	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2114A-2	HM472114AP-2
HIT	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2114-3	HM472114P-3
HIT	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2114	HM472114P-4
HIT	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	C2114-3	HM472114-3
HIT	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	C2114	HM472114-4
HIT	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	30MXMA	TTL	TTL	P4001	HN35600P
HIT	DIL-28/2P	PMOS	0C/+70C	-10V/+5V	400MXMW	TTL	TTL	P4308	HN3580OP
HIT	DIL-28/2P	NMOS	-20C/+75C	+5V	90MXMA	TTL	TTL		HN46532P-2
HIT	DIL-28/2P	NMOS	-20C/+75C	+5V	90MXMA	TTL	TTL		HN46532P-3
HIT	DIL-28/2C	NMOS	-20C/+75C	+5V	90MXMA	TTL	TTL		HN46532-2
HIT	DIL-28/2C	NMOS	-20C/+75C	+5V	90MXMA	TTL	TTL		HN46532-3
HIT	DIL-24/2C	NMOS	0C/+75C	+5V	130MXMA	TTL	TTL/TS	MCM6830L	HN46830
HIT	DIL-24/2P	NMOS	0C/+75C	+5V	130MXMA	TTL	TTL/TS	MCM6830L	HN46830P
HIT	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	450MXMW	TTL	TTL/TS	C1702A	HN351702A
HIT	DIL-24/2P	NMOS	-20C/+75C	+5V	120MXMA	TTL	TTL/TS	D2316E	HN462316EP
HIT	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	C2708	HN462708
HIT	DIL-24/2Q	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	B2716	HN462716
SIE	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	60MXMA	TTL	TTL/TS	D2107C-4	HYB4060
SIE	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	60MXMA	TTL	TTL/TS	D2107C-4	HYB4060A
INL	METAL CAN		-55C/+125C						I4801
INL	METAL CAN		0C/+70C						I8801
INS	DIL-16/1P	BIP	0C/+75C	+5V	7MXMA	TTL	TTL/OC		ICL8240CPE
INS	DIL-16/1C	BIP	-55C/+125C	+5V	6MXMA	TTL	TTL/OC		ICL8240MDE
INS	DIL-16/1P	BIP	0C/+75C		7MXMA	TTL	TTL/OC		ICL8250CPE
INS	DIL-16/1C	BIP	-55C/+125C	+5V	6MXMA	TTL	TTL/OC		ICL8250MDE
INS	DIL-16/1P	BIP	0C/+75C	+5V	7MXMA	TTL	TTL/OC		ICL8260CPE
INS	DIL-16/1C	BIP	-55C/+125C	+5V	6MXMA	TTL	TTL/OC		IC6826OMDE
INS	DIL-8/1P	CMOS	-20C/+70C	+5V	20MXMA		TTL/CMOS		ICM7209IPA
INS	DIL-40/2P	CMOS	-20C/+70C	+5V	50MXMA	TTL			ICM7211AIPL
INS	DIL-40/2P	CMOS	-20C/+70C	+5V	50MXMA	TTL			ICM7211AMIPL
INS	DIL-40/2P	CMOS	-20C/+70C	+5V	50MXuA	TTL			ICM7211IPL
INS	DIL-40/2P	CMOS	-20C/+70C	+5V	50MXuA	TTL			ICM7211MIPL
INS	DIL-40/2P	CMOS	-20C/+70C	+5V	200TPMA	TTL			ICM7212AIPL
INS	DIL-40/2P	CMOS	-20C/+70C	+5V	200TPMA	TTL			ICM7212AMIPL
INS	DIL-40/2P	CMOS	-20C/+70C	+5V	200TPMA	TTL			ICM7212IPL
INS	DIL-40/2P	CMOS	-20C/+70C	+5V	200TPMA	TTL			ICM7212MIPL
INS	DIL-28/2P	CMOS	-20C/+70C	+5V		TTL			ICM7216AIPI
INS	DIL-28/2P	CMOS	-20C/+70C	+5V		TTL			ICM7216BIPI
INS	DIL-28/2P	CMOS	-20C/+70C	+5V		TTL			ICM7216CIPI
INS	DIL-28/2P	CMOS	-20C/+70C	+5V		TTL			ICM7216DIPI
INS	DIL-28/2P	CMOS	-20C/+70C	+5V	175MXMA	MANUAL TTL	TTL		ICM7217AIPI
INS	DIL-28/2C	CMOS	-20C/+70C	+5V	175MXMA	MANUAL TTL	TTL		ICM7217BIJI
INS	DIL-28/2P	CMOS	-20C/+70C	+5V	175MXMA	MANUAL TTL	TTL		ICM7217CIPI
INS	DIL-28/2C	CMOS	-20C/+70C	+5V	175MXMA	MANUAL TTL	TTL		ICM7217IJI
INS	DIL-28/2C	CMOS	-20C/+70C	+5V		uP-BUS TTL			ICM7218AIJI
INS	DIL-28/2P	CMOS	-20C/+70C	+5V		uP-BUS TTL			ICM7218BIPI
INS	DIL-28/2C	CMOS	-20C/+70C	+5V		MANUAL TTL			ICM7218CIJI
INS	DIL-28/2P	CMOS	-20C/+70C	+5V		MANUAL TTL			ICM7218DIPI
INS	DIL-40/2C	CMOS	-20C/+70C	+5V		MANUAL TTL			ICM7218EIDL

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
ICM7227AIPI	CTC	4-BIT	4-DIGIT UP-DOWN-COUNTER-DISPLAY DRIVER/MUX. 7-SEG. LED/COM CATH.	GEN. PURP.
ICM7227BIJI	CTC	4-BIT	4-DIGIT UP-DOWN-COUNTER-DISPLAY DRIVER/MUX. 7-SEG. LED/COM ANODE	GEN. PURP.
ICM7227CIPI	CTC	4-BIT	4-DIGIT UP-DOWN-COUNTER-DISPLAY DRIVER/MUX. 7-SEG. LED/COM CATH.	GEN. PURP.
ICM7227IJI	CTC	4-BIT	4-DIGIT UP-DOWN-COUNTER-DISPLAY DRIVER/MUX. 7-SEG. LED/COM ANODE	GEN. PURP.
ID2114	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	4040
ID2114L	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	4040
ID2114L-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	
ID2114-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	4040
ID2708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
ID2716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085-8080
ID8035	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS ID8048	8048
ID8035L	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS 8048/POWER DOWN	8048
ID8048	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
ID8085A	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.3uS	8085
ID8155	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8048/8085
ID8156	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE HIGH/SRAM/I-O PORTS/CLOCK	8048/8085
ID8212	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAM.	8080-9080
ID8216	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER,NON-INVERTING/8080 DATA BUS BUFFER DRVR	8080-9080
ID8226	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080-9080
ID8243	EXPIO	4-BIT	INPUT-OUTPUT EXPANDER/4 I-O PORTS AS EXTENSION FROM ONE I-O PORT	8048
ID8251	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
ID8253	PTM		PROGRAMMABLE INTERVAL TIMER/THREE 16-BIT COUNTERS/DC-2MHZ	8080
ID8255A	PIA	8-BIT	PROG. I-O PORT FOR 8080 FAM.	8080
ID8259	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8085	8085
ID8279	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD DISPLAY INTERFACE FOR 8080 FAM.	8080
ID8355	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8 ADDR.-DATA 2CE ADDR. LINES	8048-8085
ID8648	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1KX8 FACTRY-PROG. EPROM	8048
ID8708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
ID8748	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INTERNAL CPU-RAM-IO-EPROM/6MHZ INT. CLOCK	8048
ID8755A8	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8X 3Y 2CE ADDRESS LINES	8048/8085
IDM2901A-1DC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/16MHZ CLOCK/FASTER IDM2901ADC	2900
IDM2901A-1DM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE 16MHZ CLOCK/FASTER IDM2901ADM	2900
IDM2901A-1DM883	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/16MHZ CLOCK/FASTER IDM2901A/MIL STD	2900
IDM2901A-1NC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/16MHZ CLOCK/FASTER IDM2901ANC	2900
IDM2901ADC	CPEBS	4-BIT	4-BIT MICROPORCESSOR SLICE/16MHZ CLOCK	2900
IDM2901ADM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/15MHZ CLOCK	2900
IDM2901ADM/883	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/15MHZ CLOCK/MIL STD 883	2900
IDM2901ANC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/16MHZ CLOCK	2900
IDM2902JC	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
IDM2902JM	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 22901 ALUS	2900
IDM2902JM883	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
IDM2902NC	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
IDM2909ADC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
IDM2909ADM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
IDM2909ADM/883	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
IDM2909ANC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
IDM2911ADC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
IDM2911ADM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
IDM2911ADM/883	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE	2900
IDM2911ANC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
IDM29702JC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4X 1CS ADDRESS LINES/INV.	2900
IDM29702JM	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4X 1CS ADDRESS LINES/INV.	2900
IDM29702JM/883	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4X 1CS ADDRESS LINES/INV./MIL STD 883	2900
IDM29702NC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4X 1CS ADDRESS LINES/INV.	2900
IDM29703JC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4X 1CS ADDRESS LINES/INV.	2900
IDM29703JM	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4X 1CS ADDRESS LINES/INV.	2900
IDM29703JM/883	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4X 1CS ADDRESS LINES/INV./MIL STD 883	2900
IDM29703NC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4X 1CS ADDRESS LINES/INV.	2900
IDM29750JC	PROM	8-BIT	256=32X8/MAX. ACCESS 30NS/5 ADDRESS 1CS LINES	2900
IDM29750JM	PROM	8-BIT	256=32X8/MAX. ACCESS 40NS/5 ADDRESS 1CS LINES	2900
IDM29750JM/883	PROM	8-BIT	256=32X8/MAX. ACCESS 40NS/5 ADDRESS 1CS LINES/MIL STD 883	2900
IDM29750NC	PROM	8-BIT	256=32X8/MAX. ACCESS 30NS/5 ADDRESS 1CS LINES	2900
IDM29751JC	PROM	8-BIT	256=32X8/MAX. ACCESS 30NS/5 ADDRESS 1CS LINES	2900
IDM29751JM	PROM	8-BIT	256=32X8/MAX. ACCESS 40NS/5 ADDRESS 1CS LINES	2900
IDM29751JM/883	PROM	8-BIT	256=32X8/MAX. ACCESS 40NS/5 ADDRESS 1CS LINES/MIL STD 883	2900
IDM29751NC	PROM	8-BIT	256=32X8/MAX. ACCESS 30NS/5 ADDRESS 1CS LINES	2900
IDM29760JC	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/5X 3Y 2CS ADDRESS LINES	2900
IDM29760JM	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	2900
IDM29760JM/883	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES/MIL STD 883	2900
IDM29760NC	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/5X 3Y 2CS ADDRESS LINES	2900
IDM29761JC	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/5X 3Y 2CS ADDRESS LINES	2900
IDM29761JM	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	2900
IDM29761JM/883	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS 5X 3Y 2CS ADDRESS LINES/MIL STD 883	2900
IDM29761NC	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS.5X 3Y 2CS ADDRESS LINES	2900
IDM29803DC	SPECL		16-WAY BRANCH CONTROL UNIT FOR 2909(2911)/16 INSTNS./4 TEST LINE	2900

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INS	DIL-28/2P	CMOS	-20C/+70C	+5V	175MXMA	µP-BUS TTL	TTL		ICM7227AIPI
INS	DIL-28/2C	CMOS	-20C/+70C	+5V	175MXMA	µP-BUS TTL	TTL		ICM7227BIJI
INS	DIL-28/2P	CMOS	0C/+70C	+5V	175MXMA	µP-BUS TTL	TTL		ICM7227CIPI
INS	DIL-28/2C	CMOS	-20C/+70C	+5V	175MXMA	µP-BUS TTL	TTL		ICM7227IJI
INL	DIL-18/1C	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL/TS		ID2114
INL	DIL-18/1C	NMOS	-40C/+85C	+5V	65MXMA	TTL	TTL/TS		ID2114L
INL	DIL-18/1C	NMOS	-40C/+85C	+5V	65MXMA	TTL	TTL/TS		ID2114L-3
INL	DIL-18/1C	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL/TS		ID2114-3
INL	DIL-24/2Q	NMOS	-40C/+85C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS		ID2708
INL	DIL-24/2Q	NMOS	-40C/+85C	+5V	603MXMW	TTL	TTL/TS		ID2716
INL	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL		ID8035
INL	DIL-40/2C	NMOS	-40C/+85C	+5V		TTL	TTL	MD8035L	ID8035L
INL	DIL-40/2C	NMOS	-40C/+85C	+5V	180MXMW	TTL	TTL		ID8048
INL	DIL-40/2C	NMOS	-40C/+85C	+5V	170MXMA	TTL	TTL	MD8085A	ID8085A
INL	DIL-40/2C	NMOS	-55C/+80C	+5V	180MXMA	TTL	TTL	MD8155	ID8155
INL	DIL-40/2C	NMOS	-55C/+80C	+5V	180MXMA	TTL	TTL		ID8156
INL	DIL-24/2C	TTLB	-40C/+80C	+5V	130MXMA	TTL	TTL/TS	MD8212	ID8212
INL	DIL-16/1C	STLB	-40C/+85C	+5V	375MXMW	TTL	TTL/TS	MD8216	ID8216
INL	DIL-16/1C	STLB	-40C/+85C	+5V		TTL	TTL/TS	MD8226	ID8226
INL	DIL-24/2C	NMOS	-40C/+85C	+5V	40MXMA	TTL	TTL		ID8243
INL	DIL-28/2C	NMOS	-40C/+85C	+5V	80MXMA	TTL	TTL	MD8251	ID8251
INL	DIL-24/2C	NMOS	-40C/+85C	+5V	85MXMA	TTL	TTL		ID8253
INL	DIL-40/2C	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL	MD8255A	ID8255A
INL	DIL-28/2C	NMOS	-40C/+85C	+5V	85MXMA	TTL	TTL	MD8259	ID8259
INL	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL		ID8279
INL	DIL-40/2C	NMOS	-40C/+85C	+5V	180MXMA	TTL	TTL		ID8355
INL	DIL-40/2C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL		ID8648
INL	DIL-24/2Q	NMOS	-40C/+85C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS		ID8708
INL	DIL-40/2C	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL	MD8748	ID8748
INL	DIL-40/2Q	NMOS	-40C/+85C	+5V	180MXMA	TTL	TTL		ID8755A8
NAT	DIL-40/2C	LSTB	0C/+70C	+5V	260MXMA	TTL	TTL/TS		IDM2901A-1DC
NAT	DIL-40/2C	LSTB	0C/+70C	+5V	275MXMA	TTL	TTL/TS		IDM2901A-1DM
NAT	DIL-40/2C	LSTB	0C/+70C	+5V	275MXMA	TTL	TTL/TS		IDM2901A-1DM883
NAT	DIL-40/2P	LSTB	0C/+70C	+5V	260MXMA	TTL	TTL/TS		IDM2901A-1NC
NAT	DIL-40/2C	LSTB	0C/+70C	+5V	260MXMA	TTL	TTL/TS	AM2901ALC	IDM2901ADC
NAT	DIL-40/2C	LSTB	-55C/+125C	+5V	275MXMA	TTL	TTL/TS	AM2901ALM	IDM2901ADM
NAT	DIL-40/2C	LSTB	-55C/+125C	+5V	275MXMA	TTL	TTL/TS		IDM2901ADM/883
NAT	DIL-40/2P	LSTB	0C/+70C	+5V	260MXMA	TTL	TTL/TS	AM2901APC	IDM2901ANC
NAT	DIL-16/1C	BIP	0C/+70C	+5V	94MXMA	TTL	TTL	AM2902DC	IDM2902JC
NAT	DIL-16/1C	BIP	-55C/+125C	+5V	99MXMA	TTL	TTL	AM2902DM	IDM2902JM
NAT	DIL-16/1C	BIP	-55C/+125C	+5V	99MXMA	TTL	TTL		IDM2902JM883
NAT	DIL-16/1P	BIP	0C/+70C	+5V	94MXMA	TTL	TTL	AM2902PC	IDM2902NC
NAT	DIL-28/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2909DC	IDM2909ADC
NAT	DIL-28/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM2909DM	IDM2909ADM
NAT	DIL-28/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		IDM2909ADM/883
NAT	DIL-28/2P	TTLB	0C/+70C	+5V	TTL/TS	TTL	TTL/TS	AM2909PC	IDM2909ANC
NAT	DIL-20/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2911DC	IDM2911ADC
NAT	DIL-20/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM2911DM	IDM2911ADM
NAT	DIL-20/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		IDM2911ADM/883
NAT	DIL-20/2P	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2911PC	IDM2911ANC
NAT	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	AM29702DG	IDM29702JC
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC	AM29702DM	IDM29702JM
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC		IDM29702JM/883
NAT	DIL-16/1P	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	AM29702PC	IDM29702NC
NAT	DIL-16/1C	STLB	0C/+70C	+5V	105MXMA	TTL	TTL/TS	AM29703DC	IDM29703JC
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS	AM29703DM	IDM29703JM
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS		IDM29703JM/883
NAT	DIL-16/1P	STLB	0C/+70C	+5V	105MXMA	TTL	TTL/TS	AM29703PC	IDM29703NC
NAT	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	AM29750DC	IDM29750JC
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC	AM29750DM	IDM29750JM
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC		IDM29750JM/883
NAT	DIL-16/1P	STLB	0C/+55C	+5V	110MXMA	TTL	TTL/OC	AM29750DC	IDM29750NC
NAT	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	AM29751DC	IDM29751JC
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS	AM29751DM	IDM29751JM
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		IDM29751JM/883
NAT	DIL-16/1P	STLB	0C/+55C	+5V	110MXMA	TTL	TTL/TS	AM29751NC	IDM29751NC
NAT	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	AM29760DC	IDM29760JC
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC	AM29760DM	IDM29760JM
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		IDM29760JM/883
NAT	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	AM29760DC	IDM29760NC
NAT	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM29761DC	IDM29761JC
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM29761DM	IDM29761JM
NAT	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		IDM29761JM/883
NAT	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM29761DC	IDM29761NC
NAT	DIL-16/1C	LSTB	0C/+70C	+5V	130MXMA	TTL	TTL	AM29803DC	IDM29803DC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
IDM29803DM	SPECL	.	16-WAY BRANCH CONTROL UNIT FOR 2909(2911)/16 INSTNS./4 TEST LINE	2900
IDM29803DM/883	SPECL	.	16-WAY BRANCH CONTROL UNIT FOR 2909(2911)/16 INSTNS./MIL STD 883	2900
IDM29803NC	SPECL	.	16-WAY BRANCH CONTROL UNIT FOR 2909(2911)/16 INSTNS./4 TEST LINE	2900
IDM29811JC	SPECL	.	NEXT ADDRESS CONTROL UNIT FOR IDM2911	2900
IDM29811JM	SPECL	.	NEXT ADDRESS CONTROL UNIT FOR IDM2911	2900
IDM29811JM/883	SPECL	.	NEXT ADDRESS CONTROL UNIT FOR IDM2911/MIL STD 883	2900
IDM29811NC	SPECL	.	NEXT ADDRESS CONTROL UNIT FOR IDM2911	2900
IDM29901JC	REGR	8-BIT	OCTAL EDGE-TRIGG. FLIP-FLOP REGISTER	2900
IDM29901JM	REGR	8-BIT	OCTAL EDGE TRIGG. FLIP-FLOP REGISTER	2900
IDM29901JM/883	REGR	8-BIT	OCTAL EDGE-TRIGG. FLIP-FLOP REGISTER/MIL STD 883	2900
IDM29901NC	REGR	8-BIT	OCTAL EDGE-TRIGG. FLIP-FLOP REGISTER	2900
IDM29902JC	SPECL	8-BIT	PRIORITY ENCODER/8 DATA LINES TO 3 BINARY(OCTAL)	2900
IDM29902JM	SPECL	8-BIT	PRIORITY ENCODER/8 DATA LINES TO 3 BINARY(OCTAL)	2900
IDM29902JM/883	SPECL	8-BIT	PRIORITY ENCODER/8 DATA LINES TO 3 BINARY(OCTAL)/MIL STD 883	2900
IDM29902NC	SPECL	8-BIT	PRIORITY ENCODER/8 DATA LINES TO 3 BINARY(OCTAL)	2900
IDM29903JC	DREGR	4-BIT	64=16X4 EDGE-TRIGG. FLIP-FLOP D-REGISTER	2900
IDM29903NC	DREGR	4-BIT	64=16X4 EDGE-TRIGG. FLIP-FLOP D-REGISTER	2900
IDM29908JC	REGR	4-BIT	QUAD GATED FLIP-FLOP/+VE EDGE-TRIGG.	2900
IDM29908JM	REGR	4-BIT	QUAD GATED FLIP-FLOP/+VE EDGE-TRIGG.	2900
IDM29908JM/883	REGR	4-BIT	QUAD GATED FLIP-FLOP/+VE EDGE-TRIGG./MIL STD 883	2900
IDM29908NC	REGR	4-BIT	QUAD GATED FLIP-FLOP/+VE EDGE-TRIGG.	2900
IM80C49IDL	MICMP	8-BIT	CMOS VERSION OF D8049 1-CHIP MICROCOMPUTER/2KX8 ROM/128X8 RAM	8048
IM80C49IJL	MICMP	8-BIT	CMOS VERSION OF D4089 1-CHIP MICROCOMPUTER/2KX8 ROM/128X8 RAM	8048
IM82C43IDG	EXPIO	4-BIT	CMOS VERSION OF D8243 INPUT-OUTPUT EXPANDER FOR 8748 AND 8741	8048
IM82C43IJG	EXPIO	4-BIT	CMOS VERSION OF D8243 INPUT-OUTPUT EXPANDER FOR 8748 AND 8741	8048
IM82C43IPG	EXPIO	4-BIT	CMOS VERSION OF D8243 INPUT-OUTPUT EXPANDER FOR 8748 AND 8741	8048
IM87C41IDL	MICMP	8-BIT	CMOS VERSION OF C8741 1-CHIP PROGRAM. PERIPH. INTERFCE MICROCOMP	8048
IM87C41IJL	MICMP	8-BIT	CMOS VERSION OF C8741 1-CHIP PROGRAM. PERIPH. INTERFCE MICROCOMP	8048
IM87C48IDL	MICMP	8-BIT	CMOS VERSION OF B8748 1-CHIP MICROCOMPUTER	8048
IM87C48IJL	MICMP	8-BIT	CMOS VERSION OF B8748 1-CHIP MICROCOMPUTER	8048
IM2114CJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114CPN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114L2CPN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114L2CJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114L2MJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114L2MJN883B	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114L3CJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114L3CPN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114L3MJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114LCPN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114LCJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114LMJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114LMJN/883B	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114-2CJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114-2CPN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114-3CPN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
IM2114-3CJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
IM4116-2CDE	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX. ADDRESS LINES	GEN. PURP.
IM4116-2CJE	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX. ADDRESS LINES	GEN. PURP.
IM4116-2CPE	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX. ADDRESS LINES	GEN. PURP.
IM4116-3CDE	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDRESS LINES	GEN. PURP.
IM4116-3CJE	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDRESS LINES	GEN. PURP.
IM4116-3CPE	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDRESS LINES	GEN. PURP.
IM4116-4CDE	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX. ADDRESS LINES	GEN. PURP.
IM4116-4CJE	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX. ADDRESS LINES	GEN. PURP.
IM4116-4CPE	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX. ADDRESS LINES	GEN. PURP.
IM5200CJG	FPLA	.	14-INPUT 8-OUTPUT FIELD PROGRAMMABLE LOGIC ARRAY	GEN. PURP.
IM5600CDE	PROM	8-BIT	256=32X8/MAX. ACCESS 65NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5600CFE	PROM	8-BIT	256=32X8/MAX. ACCESS 65NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5600CJE	PROM	8-BIT	256=32X8/MAX. ACCESS 65NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5600CPE	PROM	8-BIT	256=32X8/MAX. ACCESS 65NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5600MDE	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5600MFE	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5600MJE	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5603CDE	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5603CFE	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5603CJE	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5603CPE	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5603MDE	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5603MFE	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5603MJE	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5604CDE	PROM	4-BIT	2K=512X4/MAX. ACCESS 80NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5604CFE	PROM	4-BIT	2K=512X4/MAX. ACCESS 80NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5604CJE	PROM	4-BIT	2K=512X4/MAX. ACCESS 80NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5604CPE	PROM	4-BIT	2K=512X4/MAX. ACCESS 80NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
NAT	DIL-16/1C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL	AM29803DM	IDM29803DM
NAT	DIL-16/1C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL		IDM29803DM/883
NAT	DIL-16/1P	LSTB	0C/+70C	+5V	130MXMA	TTL	TTL	AM29803PC	IDM29803NC
NAT	DIL-16/1C	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	AM29811DC	IDM29811JC
NAT	DIL-16/1C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL	AM29811DM	IDM29811JM
NAT	DIL-16/1C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL		IDM29811JM/883
NAT	DIL-16/1P	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	AM29811PC	IDM29811NC
NAT	DIL-20/1C	TTLB	0C/+70C	+5V	45MXMA	TTL	TTL/TS		IDM29901JC
NAT	DIL-20/1C	TTLB	-55C/+125C	+5V	45MXMA	TTL	TTL/TS		IDM29901JM
NAT	DIL-20/1C	TTLB	-55C/+125C	+5V	45MXMA	TTL	TTL/TS		IDM29901JM/883
NAT	DIL-20/1P	TTLB	0C/+70C	+5V	45MXMA	TTL	TTL/TS		IDM29901NC
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	60MXMA	TTL	TTL		IDM29902JC
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	60MXMA	TTL	TTL		IDM29902JM
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	60MXMA	TTL	TTL		IDM29902JM/883
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	60MXMA	TTL	TTL		IDM29902NC
NAT	DIL-18/1C	TTLB	0C/+75C	+5V	100MXMA	TTL	TTL/TS		IDM29903JC
NAT	DIL-18/1P	TTLB	0C/+70C	+5V	100MXMA	TTL	TTL/TS		IDM29903NC
NAT	DIL-16/1C	TTLB	0C/+70C	+5V	76MXMA	TTL	TTL		IDM29908JC
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	76MXMA	TTL	TTL		IDM29908JM
NAT	DIL-16/1C	TTLB	-55C/+125C	+5V	76MXMA	TTL	TTL		IDM29908JM/883
NAT	DIL-16/1P	TTLB	0C/+70C	+5V	76MXMA	TTL	TTL		IDM29908NC
INS	DIL-40/2C	CMOS	-40C/+85C	+5V	10MXMA	TTL	TTL		IM80C49IDL
INS	DIL-40/2P	CMOS	-40C/+85C	+5V	10MXMA	TTL	TTL		IM80C49IJL
INS	DIL-24/2C	CMOS	-40C/+85C	+5V	25TPMW	TTL	TTL		IM82C43IDG
INS	DIL-24/2C	CMOS	-40C/+85C	+5V	25TPMW	TTL	TTL		IM82C43IJG
INS	DIL-24/2P	CMOS	-40C/+85C	+5V	25TPMW	TTL	TTL		IM82C43IPG
INS	DIL-40/2C	CMOS	-40C/+85C	+5V	50MXMW	TTL	TTL		IM87C41IDL
INS	DIL-40/2C	CMOS	-40C/+85C	+5V	50MXMW	TTL	TTL		IM87C41IJL
INS	DIL-40/2C	CMOS	-40C/+85C	+5V	50MXMW	TTL	TTL		IM87C48IDL
INS	DIL-40/2C	CMOS	-40C/+85C	+5V	50MXMW	TTL	TTL		IM87C48IJL
INS	DIL-18/1C	NMOS	0C/+75C	+5V	90MXMA	TTL	TTL/TS	D2114	IM2114CJN
INS	DIL-18/1P	NMOS	0C/+75C	+5V	90MXMA	TTL	TTL/TS	P2114	IM2114CPN
INS	DIL-18/1P	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	P2114L2	IM2114L2CPN
INS	DIL-18/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	D2114L-2	IM2114L2CJN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS		IM2114L2MJN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS		IM2114L2MJN883B
INS	DIL-18/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	D2114L-3	IM2114L3CJN
INS	DIL-18/1P	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	P2114L3	IM2114L3CPN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS	MD2114L-3	IM2114L3MJN
INS	DIL-18/1P	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	P2114L	IM2114LCPN
INS	DIL-18/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	D2114L	IM2114LCJN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS	D2114L	IM2114LMJN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS		IM2114LMJN/883B
INS	DIL-18/1C	NMOS	0C/+75C	+5V	90MXMA	TTL	TTL/TS	C2114-2	IM2114-2CJN
INS	DIL-18/1P	NMOS	0C/+75C	+5V	90MXMA	TTL	TTL/TS	P2114-2	IM2114-2CPN
INS	DIL-18/1P	NMOS	0C/+75C	+5V	90MXMA	TTL	TTL/TS	P2114-3	IM2114-3CPN
INS	DIL-18/1C	NMOS	0C/+75C	+5V	90MXMA	TTL	TTL/TS	D2114-3	IM2114-3CJN
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116J-2	IM4116-2CDE
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116J-2	IM4116-2CJE
INS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4116C-15	IM4116-2CPE
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4116C-20	IM4116-3CDE
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4116C-20	IM4116-3CJE
INS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4116C-20	IM4116-3CPE
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116P-4	IM4116-4CDE
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116P-4	IM4116-4CJE
INS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116P-4	IM4116-CPE
INS	DIL-24/2C	TTLB	0C/+75C	+5V	135TPMA	TTL	TTL		IM5200CJG
INS	DIL-16/1C	BIP	0C/+75C	+5V	100MXMA	TTL	TTL/OC		IM5600CDE
INS	FLP-16/3C	BIP	0C/+75C	+5V	100MXMA	TTL	TTL/OC		IM5600CFE
INS	DIL-16/1C	BIP	0C/+75C	+5V	100MXMA	TTL	TTL/OC		IM5600CJE
INS	DIL-16/1P	BIP	0C/+75C	+5V	100MXMA	TTL	TTL/OC		IM5600CPE
INS	DIL-16/1C	BIP	-55C/+125C	+5V	100MXMA	TTL	TTL/OC		IM5600MDE
INS	FLP-16/3C	BIP	-55C/+125C	+5V	100MXMA	TTL	TTL/OC		IM5600MFE
INS	DIL-16/1C	BIP	-55C/+125C	+5V	100MXMA	TTL	TTL/OC		IM5600MJE
INS	DIL-16/1C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		IM5603CDE
INS	FLP-16/3C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		IM5603CFE
INS	DIL-16/1C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		IM5603CJE
INS	DIL-16/1P	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		IM5603CPE
INS	DIL-16/1C		-55C/+125C	+5V	130MXMA	TTL	TTL/OC		IM5603MDE
INS	FLP-16/3C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		IM5603MFE
INS	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		IM5603MJE
INS	DIL-16/1C	BIP	0C/+75C	+5V	140MXMA	TTL	TTL/OC		IM5604CDE
INS	FLP-16/3C	BIP	0C/+75C	+5V	140MXMA	TTL	TTL/OC		IM5604CFE
INS	DIL-16/1C	BIP	0C/+75C	+5V	140MXMA	TTL	TTL/OC		IM5604CJE
INS	DIL-16/1P	BIP	0C/+75C	+5V	140MXMA	TTL	TTL/OC		IM5604CPE

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
IM5604MDE	PROM	4-BIT	2K=512X4/MAX. ACCESS 90NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5604MFE	PROM	4-BIT	2K=512X4/MAX. ACCESS 90NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5604MJE	PROM	4-BIT	2K=512X4/MAX. ACCESS 90NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5605CDG	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/6X 3Y 4CE ADDRESS LINES	GEN. PURP.
IM5605CJG	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/6X 3Y 4CE ADDRESS LINES	GEN. PURP.
IM5605MDG	PROM	8-BIT	4K=512X8/MAX. ACCESS 105NS/6X 3Y 4CE ADDRESS LINES	GEN. PURP.
IM5605MJG	PROM	8-BIT	4K=512X8/MAX. ACCESS 105NS/6X 3Y 4CE ADDRESS LINES	GEN. PURP.
IM5610CDE	PROM	8-BIT	256=32X8/MAX. ACCESS 65NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5610CFE	PROM	8-BIT	256=32X8/MAX. ACCESS 65NS/9 ADDRESS LINES	GEN. PURP.
IM5610CJE	PROM	8-BIT	256X32X8/MAX. ACCESS 65NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5610CPE	PROM	8-BIT	256=32X8/MAX. ACCESS 65NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5610MDE	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5610MFE	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5610MJE	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/9 ADDRESS 1CE LINES	GEN. PURP.
IM5623CDE	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5623CFE	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5623CJE	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5623CPE	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5623MDE	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5623MFE	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5623MJE	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
IM5624CDE	PROM	4-BIT	2K=512X4/MAX. ACCESS 80NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5624CFE	PROM	4-BIT	2K=512X4/MAX. ACCESS 80NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5624CJE	PROM	4-BIT	2K=512X4/MAX. ACCESS 80NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5624CPE	PROM	4-BIT	2K=512X4/MAX. ACCESS 80NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5624MDE	PROM	4-BIT	2K=512X4/MAX. ACCESS 90NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5624MFE	PROM	4-BIT	2K=512X4/MAX. ACCESS 90NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5624MJE	PROM	4-BIT	2K=512X4/MAX. ACCESS 90NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
IM5625CDG	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/6X 3Y 4CE ADDRESS LINES	GEN. PURP.
IM5625CJG	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/6X 3Y 4CE ADDRESS LINES	GEN. PURP.
IM5625MDG	PROM	8-BIT	4K=512X8/MAX. ACCESS 105NS/6X 3Y 4CE ADDRESS LINES	GEN. PURP.
IM5625MJG	PROM	8-BIT	4K=512X8/MAX. ACCESS 105NS/6X 3Y 4CE ADDRESS LINES	GEN. PURP.
IM6100-AIDL	CPU	12-BIT	1-CHIP CPU/CMOS/12-BIT/81 INSTNS./5.71MHZ CLOCK	6100
IM6100-AIPL	CPU	12-BIT	1-CHIP CPU/CMOS/12-BIT/81 INSTNS./5.71MHZ CLOCK	6100
IM6100-AMDL	CPU	12-BIT	1-CHIP CPU/CMOS/12-BIT/81 INSTNS./5MHZ CLOCK	6100
IM6100-AMDL883B	CPU	12-BIT	1-CHIP CPU/CMOS/12-BIT/81 INSTNS./5MHZ CLOCK	6100
IM6100-IPL	CPU	12-BIT	1-CHIP CPU/CMOS/12-BIT/81 INSTNS./2.5MHZ CLOCK	6100
IM6100-1IDL	CPU	12-BIT	1-CHIP CPU/CMOS/12-BIT/81 INSTNS./3.3MHZ CLOCK	6100
IM6100-1IPL	CPU	12-BIT	1-CHIP CPU/CMOS/12-BIT/81 INSTNS./3.3MHZ CLOCK	6100
IM6100-1MDL	CPU	12-BIT	1-CHIP CPU/CMOS/12-BIT/81 INSTNS./2.5MHZ CLOCK	6100
IM6100-1MDL883B	CPU	12-BIT	1-CHIP CPU/CMOS/12-BIT/81 INSTNS./2.5MHZ CLOCK	6100
IM6101-AIDL	PIA	12-BIT	PROGRAMMABLE INTERFACE ELEMENT FOR 6100 MICROPROCESSOR	6100
IM6101-AIPL	PIA	12-BIT	PROGRAMMABLE INTERFACE ELEMENT FOR 6100 MICROPROCESSOR	6100
IM6101-AMDL	PIA	12-BIT	PROGRAMMABLE INTERFACE ELEMENT FOR 6100 MICROPROCESSOR	6100
IM6101-AMDL883B	PIA	12-BIT	PROGRAMMABLE INTERFACE ELEMENT FOR 6100 MICROPROCESSOR/MIL STD	6100
IM6101-1IDL	PIA	12-BIT	PROGRAMMABLE INTERFACE ELEMENT FOR 6100 MICROPROCESSOR	6100
IM6101-1IPL	PIA	12-BIT	PROGRAMMABLE INTERFACE ELEMENT FOR 6100 MICROPROCESSOR	6100
IM6101-1MDL	PIA	12-BIT	PROGRAMMABLE INTERFACE ELEMENT FOR 6100 MICROPROCESSOR	6100
IM6101-1MDL883B	PIA	12-BIT	PROGRAMMABLE INTERFACE ELEMENT FOR 6100 MICROPROCESSOR/MIL STD	6100
IM6101-IPL	PIA	12-BIT	PROGRAMMABLE INTERFACE ELEMENT FOR 6100 MICROPROCESSOR	6100
IM6102-AIDL	DMAC	12-BIT	MEMORY EXTENSION/DMA CONTROLLER/INTERVAL TIMER/6100 FAM.	6100
IM6102-AIPL	DMAC	12-BIT	MEMORY EXTENSION/DMA CONTROLLER/INTERVAL TIMER/6100 FAM.	6100
IM6102-AMDL	DMAC	12-BIT	MEMORY EXTENSION/DMA CONTROLLER/INTERVAL TIMER/6100 FAM.	6100
IM6102-AMDL883B	DMAC	12-BIT	MEMORY EXTENSION/DMA CONTROLLER/INTERVAL TIMER/6100 FAM/MIL STD	6100
IM6102-IPL	DMAC	12-BIT	MEMORY EXTENSION/DMA CONTROLLER/INTERVAL TIMER/6100 FAM.	6100
IM6102-1IDL	DMAC	12-BIT	MEMORY EXTENSION/DMA CONTROLLER/INTERVAL TIMER/6100 FAM.	6100
IM6102-1IPL	DMAC	12-BIT	MEMORY EXTENSION/DMA CONTROLLER/INTERVAL TIMER/6100 FAM.	6100
IM6102-1MDL	DMAC	12-BIT	MEMORY EXTENSION/DMA CONTROLLER/INTERVAL TIMER/6100 FAM.	6100
IM6102-1MDL883B	DMAC	12-BIT	MEMORY EXTENSION/DMA CONTROLLER/INTERVAL TIMER/6100 FAM/MIL STD	6100
IM6103AIDL	PIO	12-BIT	PARALLEL INPUT-OUTPUT PORT FOR 6100 CPU	6100
IM6103AIPL	PIO	12-BIT	PARALLEL INPUT-OUTPUT PORT FOR 6100 CPU	6100
IM6103AMDL	PIO	12-BIT	PARALLEL INPUT-OUTPUT PORT FOR 6100 CPU	6100
IM6103CPL	PIO	12-BIT	PARALLEL INPUT-OUTPUT PORT FOR 6100 CPU	6100
IM6103IDL	PIO	12-BIT	PARALLEL INPUT-OUTPUT PORT FOR 6100 CPU	6100
IM6103IPL	PIO	12-BIT	PARALLEL INPUT-OUTPUT PORT FOR 6100 CPU	6100
IM6103MDL	PIO	12-BIT	PARALLEL INPUT-OUTPUT PORT FOR 6100 CPU	6100
IM6312AIFN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 200NS/12-BIT ADDRESS LINES	6100
IM6312AIJN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 200NS/12-BIT ADDRESS LINES	6100
IM6312AMFN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 200NS/12-BIT ADDRESS LINES	6100
IM6312AMJN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 220NS/12-BIT ADDRESS LINES	6100
IM6312IFN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 200NS/12-BIT ADDRESS LINES	6100
IM6312IJN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 640NS/12-BIT ADDRESS LINES	6100
IM6312MFN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 640NS/12-BIT ADDRESS LINES	6100
IM6312MJN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 200NS/12-BIT ADDRESS LINES	6100
IM6312-1IFN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 510NS/12-BIT ADDRESS LINES	6100

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INS	DIL-16/1C	BIP	-55C/+125C	+5V	140MXMA	TTL	TTL/OC		IM5604MDE
INS	FLP-16/3C	BIP	-55C/+125C	+5V	140MXMA	TTL	TTL/OC		IM5604MFE
INS	DIL-16/1C	BIP	-55C/+125C	+5V	140MXMA	TTL	TTL/OC		IM5604MJE
INS	DIL-24/2C	BIP	0C/+75C	+5V	185MXMA	TTL	TTL/OC		IM5605CDG
INS	DIL-24/2C	BIP	0C/+75C	+5V	185MXMA	TTL	TTL/OC		IM5605CJG
INS	DIL-24/2C	BIP	-55C/+125C	+5V	185MXMA	TTL	TTL/OC		IM5605MDG
INS	DIL-24/2C	BIP	-55C/+125C	+5V	185MXMA	TTL	TTL/OC		IM5605MJG
INS	DIL-16/1C	BIP	0C/+75C	+5V	100MXMA	TTL	TTL		IM5610CDE
INS	FLP-16/3C	BIP	0C/+75C	+5V	100MXMA	TTL	TTL		IM5610CFE
INS	DIL-16/1C	BIP	0C/+75C	+5V	100MXMA	TTL	TTL		IM5610CJE
INS	DIL-16/1P	BIP	0C/+75C	+5V	100MXMA	TTL	TTL		IM5610CPE
INS	DIL-16/1C	BIP	-55C/+125C	+5V	100MXMA	TTL	TTL		IM5610MDE
INS	FLP-16/3C	BIP	-55C/+125C	+5V	100MXMA	TTL	TTL		IM5610MFE
INS	DIL-16/1C	BIP	-55C/+125C	+5V	100MXMA	TTL	TTL		IM5610MJE
INS	DIL-16/1C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL		IM5623CDE
INS	FLP-16/3C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL		IM5623CFE
INS	DIL-16/1C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL		IM5623CJE
INS	DIL-16/1P	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL		IM5623CPE
INS	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL		IM5623MDE
INS	FLP-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL		IM5623MFE
INS	DIL-16/1C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL		IM5623MJE
INS	DIL-16/1C	BIP	0C/+75C	+5V	140MXMA	TTL	TTL		IM5624CDE
INS	FLP-16/3C	BIP	0C/+75C	+5V	140MXMA	TTL	TTL		IM5624CFE
INS	DIL-16/1C	BIP	0C/+75C	+5V	140MXMA	TTL	TTL		IM5624CJE
INS	DIL-16/1P	BIP	0C/+75C	+5V	140MXMA	TTL	TTL		IM5624CPE
INS	DIL-16/1C	BIP	-55C/+125C	+5V	140MXMA	TTL	TTL		IM5624MDE
INS	FLP-16/3C	BIP	-55C/+125C	+5V	140MXMA	TTL	TTL		IM5624MFE
INS	DIL-16/1C	BIP	-55C/+125C	+5V	140MXMA	TTL	TTL		IM5624MJE
INS	DIL-24/2C	BIP	0C/+75C	+5V	185MXMA	TTL	TTL		IM5625CDG
INS	DIL-24/2C	BIP	0C/+75C	+5V	185MXMA	TTL	TTL		IM5625CJG
INS	DIL-24/2C	BIP	-55C/+125C	+5V	185MXMA	TTL	TTL		IM5625MDG
INS	DIL-24/2C	BIP	-55C/+125C	+5V	185MXMA	TTL	TTL		IM5625MJG
INS	DIL-40/2C	CMOS	-45C/+85C	+10V	4MXMA	TTL	TTL		IM6100-AIDL
INS	DIL-40/2P	CMOS	-45C/+85C	+10V	4MXMA	TTL	TTL		IM6100-AIPL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	4MXMA	TTL	TTL		IM6100-AMDL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	4MXMA	TTL	TTL		IM6100-AMDL883B
INS	DIL-40/2P	CMOS	-45C/+85C	+5V	2MXMA	TTL	TTL		IM6100-IPL
INS	DIL-40/2C	CMOS	-45C/+85C	+5V	2MXMA	TTL	TTL		IM6100-1IDL
INS	DIL-40/2P	CMOS	-45C/+85C	+5V	2MXMA	TTL	TTL		IM6100-1IPL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL		IM6100-1MDL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL		IM6100-1MDL883B
INS	DIL-40/2C	CMOS	-40C/+85C	+10V	2MXMA	(+5V)TTL	(+5V)TTL		IM6101-AIDL
INS	DIL-40/2P	CMOS	-40C/+85C	+10V	2MXMA	(+5V)TTL	(+5V)TTL		IM6101-AIPL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	2MXMA	(+5V)TTL	(+5V)TTL		IM6101-AMDL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	2MXMA	(+5V)TTL	(+5V)TTL		IM6101-AMDL883B
INS	DIL-40/2C	CMOS	-40C/+85C	+5V	0.5MXMA	TTL	TTL		IM6101-1IDL
INS	DIL-40/2P	CMOS	-40C/+85C	+5V	0.5MXMA	TTL	TTL		IM6101-1IPL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	0.5MXMA	TTL	TTL		IM6101-1MDL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	0.5MXMA	TTL	TTL		IM6101-1MDL883B
INS	DIL-40/2P	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL		IM6101-IPL
INS	DIL-40/2C	CMOS	-40C/+85C	+10V	2MXMA	CMOS	CMOS		IM6102-AIDL
INS	DIL-40/2P	CMOS	-40C/+85C	+10V	2MXMA	CMOS	CMOS		IM6102-AIPL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	4MXMA	CMOS	CMOS		IM6102-AMDL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	4MXMA	CMOS	CMOS		IM6102-AMDL883B
INS	DIL-40/2P	CMOS	-40C/+85C	+5V	1.8MXMA	CMOS	CMOS		IM6102-IPL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	2MXMA	CMOS	CMOS		IM6102-1IDL
INS	DIL-40/2P	CMOS	-40C/+85C	+5V	2MXMA	CMOS	CMOS		IM6102-1IPL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	2MXMA	CMOS	CMOS		IM6102-1MDL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	2MXMA	CMOS	CMOS		IM6102-1MDL883B
INS	DIL-40/2C	CMOS	-40C/+85C	+10V	2.5MXMA	(+5V)TTL	(+5V)TTL		IM6103AIDL
INS	DIL-40/2P	CMOS	-40C/+85C	+10V	205MXMA	(+5V)TTL	(+5V)TTL		IM6103AIPL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	205MXMA	(+5V)TTL	(+5V)TTL		IM6103AMDL
INS	DIL-40/2P	CMOS	0C/+70C	+5V	205MXMA	TTL	TTL		IM6103CPL
INS	DIL-40/2C	CMOS	-40C/+85C	+10V	205MXMA	TTL	TTL		IM6103IDL
INS	DIL-40/2P	CMOS	-40C/+85C	+5V	205MXMA	TTL	TTL		IM6103IPL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	205MXMA	TTL	TTL		IM6103MDL
INS	FLP-18/4C	CMOS	-40C/+85C	+10V	2MXMA	(+5V)TTL	(+5V)TTL		IM6312AIFN
INS	DIL-18/1C	CMOS	-40C/+85C	+10V	2MXMA	(+5V)TTL	(+5V)TTL		IM6312AIJN
INS	FLP-18/4C	CMOS	-55C/+125C	+10V	2MXMA	(+5V)TTL	(+5V)TTL		IM6312AMFN
INS	DIL-18/1C	CMOS	-55C/+125C	+10V	2MXMA	(+5V)TTL	(+5V)TTL		IM6312AMJN
INS	FLP-18/4C	CMOS	-40C/+85C	+5V	108MXMA	TTL	TTL		IM6312IFN
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	1.8MXMA	TTL	TTL		IM6312IJN
INS	FLP-18/4C	CMOS	-55C/+125C	+5V	1.8MXMA	TTL	TTL		IM6312MFN
INS	DIL-18/1C	CMOS	-55C/+125C	+5V	108MXMA	TTL	TTL		IM6312MJN
INS	FLP-18/4C	CMOS	-40C/+85C	+5V	1.8MXMA	TTL	TTL		IM6312-1IFN

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
IM6312-1IJN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 200NS/12-BIT ADDRESS LINES	6100
IM6312-1MFN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 510NS/12-BIT ADDRESS	6100
IM6312-1MJN	PROM	12-BIT	12K=1024X12/MAX. ACCESS 560NS/12-BIT ADDRESS	6100
IM6316DG	PROM	8-BIT	16K=2048X8/TYP. ACCESS 350NS/7X 4Y 2CS ADDRESS LINES	6100
IM6316IJG	PROM	8-BIT	16K=2048X8/TYP. ACCESS 350NS/7X 4Y 2CS ADDRESS LINES	6100
IM6316MDG	PROM	8-BIT	16K=2048X8/TYP. ACCESS 350NS/7X 4Y 2CS ADDRESS LINES	6100
IM6316MJG	PROM	8-BIT	16K=2048X8/TYP. ACCESS 350NS/7X 4Y 2CS ADDRESS LINES	6100
IM6364IDG	PROM	8-BIT	64K=8192X8/TYP. ACCESS 300NS/8X 5Y 1CE ADDRESS LINES	6100
IM6364IJG	PROM	8-BIT	64K=8192X8/TYP. ACCESS 300NS/8X 5Y 1CE ADDRESS LINES	6100
IM6364MDG	PROM	8-BIT	64K=8192X8/TYP. ACCESS 300NS/8X 5Y 1CE ADDRESS LINES	6100
IM6364MJG	PROM	8-BIT	64K=8192X8/TYP. ACCESS 300NS/8X 5Y 1CE ADDRESS LINES	6100
IM6402-AIDL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6402-AIPL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6402-AMDL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6402-AMDL883B	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER/MIL STD 883	6100
IM6402-IPL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6402-1IDL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6402-1IPL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6402-1MDL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6402-1MDL883B	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER/MIL STD 883	6100
IM6403-IPL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6403-AIDL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6403-AIPL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6403-AMDL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6403-AMDL883B	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER/MIL STD 883	6100
IM6403-1IDL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6403-1MDL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6403-1MDL883B	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER/MIL STD 883	6100
IM6403-1IPL	UART	7-BIT	UNIVERSAL ASYNCHRONOUS RECEIVER TRANSMITTER	6100
IM6504CJN	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 170NS/6X 6Y 1CE ADDRESS LINES	6100
IM6504CPN	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 170NS/6X 6Y 1CE ADDRESS LINES	6100
IM6504IDN	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 170NS/6X 6Y 1CE ADDRESS LINES	6100
IM6504IJN	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 170NS/6X 6Y 1CE ADDRESS LINES	6100
IM6504IPN	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 170NS/6X 6Y 1CE ADDRESS LINES	6100
IM6504MDN	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 170NS/6X 6Y 1CE ADDRESS LINES	6100
IM6504MFN	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 170NS/6X 6Y 1CE ADDRESS LINES	6100
IM6504MJN	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 170NS/6X 6Y 1CE ADDRESS LINES	6100
IM6508A-1ID	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508A-1IJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508A-1MD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508A-1MF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508A-1MJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508AID	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508AIJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508AMD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508AMF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508AMJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508CJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 600NS/5X 5Y 1CS ADDRESS LINES	6100
IM6508CP	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 600NS/5X 5Y 1CS ADDRESS LINES	6100
IM6508ID	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508IJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508IP	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508MD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508MF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508MJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508-1ID	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508-1IJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508-1MD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508-1MF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6508-1MJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
IM6512AIDN	SRAM	12-BIT	768=64X12/MAX. ACCESS 150NS	6100
IM6512AIFN	SRAM	12-BIT	768=64X12/MAX. ACCESS 150NS	6100
IM6512AIJN	SRAM	12-BIT	768=64X12/MAX. ACCESS 150NS	6100
IM6512AMDN	SRAM	12-BIT	768=64X12/MAX. ACCESS 150NS	6100
IM6512AMFN	SRAM	12-BIT	768=64X12/MAX. ACCESS 150NS	6100
IM6512AMJN	SRAM	12-BIT	768=64X12/MAX. ACCESS 150NS	6100
IM6512CDN	SRAM	12-BIT	768=64X12/MAX. ACCESS 600NS	6100
IM6512CFN	SRAM	12-BIT	768=64X12/MAX. ACCESS 600NS	6100
IM6512CJN	SRAM	12-BIT	768=64X12/MAX. ACCESS 600NS	6100
IM6512IDN	SRAM	12-BIT	768=64X12/MAX. ACCESS 460NS	6100
IM6512IFN	SRAM	12-BIT	768=64X12/MAX. ACCESS 460NS	6100
IM6512IJN	SRAM	12-BIT	768=64X12/MAX. ACCESS 460NS	6100
IM6512MDN	SRAM	12-BIT	768=64X12/MAX. ACCESS 460NS	6100
IM6512MJN	SRAM	12-BIT	768=64X12/MAX. ACCESS 460NS	6100
IM6512MFN	SRAM	12-BIT	768=64X12/MAX. ACCESS 460NS	6100

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	1.8MXMA	TTL	TTL		IM6312-1IJN
INS	FLP-18/4C	CMOS	-55C/+125C	+5V	1.8MXMA	TTL	TTL		IM6312-1MFN
INS	DIL-18/1C	CMOS	-55C/+125C	+5V	1.8MXMA	TTL	TTL		IM6312-1MJN
INS	DIL-24/2C	CMOS	-40C/+85C	+5V		TTL	TTL/TS		IM6316DG
INS	DIL-24/2C	CMOS	-40C/+85C	+5V		TTL	TTL/TS		IM6316IJG
INS	DIL-24/2C	CMOS	-55C/+125C	+5V		TTL	TTL/TS		IM6316MDG
INS	DIL-24/2C	CMOS	-55C/+125C	+5V		TTL	TTL/TS		IM6316MJG
INS	DIL-24/2C	CMOS	-40C/+85C	+5V		TTL	TTL		IM6364IDG
INS	DIL-24/2C	CMOS	-40C/+85C	+5V		TTL	TTL		IM6364IJG
INS	DIL-24/2C	CMOS	-55C/+125C	+5V		TTL	TTL		IM6364MDG
INS	DIL-24/2C	CMOS	-55C/+125C	+5V		TTL	TTL		IM6364MJG
INS	DIL-40/2C	CMOS	-40CO+85C	+10V	13MXMA	CMOS	CMOS		IM6402-AIDL
INS	DIL-40/2P	CMOS	-40C/+85C	+10V	13MXMA	CMOS	CMOS		IM6402-AIPL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	13MXMA	CMOS	CMOS		IM6402-AMDL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	13MXMA	CMOS	CMOS		IM6402-AMDL883B
INS	DIL-40/2P	CMOS	-40C/+85C	+5V	3.7MXMA	TTL	TTL		IM6402-IPL
INS	DIL-40/2C	CMOS	-40C/+85C	+5V	5.5MXMA	TTL	TTL		IM6402-1IDL
INS	DIL-40/2P	CMOS	-40C/+85C	+5V	5.5MXMA	TTL	TTL		IM6402-1IPL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	5.5MXMA	TTL	TTL		IM6402-1MDL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	5.5MXMA	TTL	TTL		IM6402-1MDL883B
INS	DIL-40/2P	CMOS	-40C/+85C	+5V	3.7MXMA	TTL	TTL		IM6403-IPL
INS	DIL-40/2C	CMOS	-40C/+85C	+10V	13MXMA	CMOS	CMOS		AM6403-AIDL
INS	DIL-40/2P	CMOS	-40C/+85C	+10V	13MXMA	CMOS	CMOS		IM6403-AIPL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	13MXMA	CMOS	CMOS		IM6403-AMDL
INS	DIL-40/2C	CMOS	-55C/+125C	+10V	13MXMA	CMOS	CMOS		IM6403-AMDL883B
INS	DIL-40/2C	CMOS	-40C/+85C	+5V	5.5MXMA	TTL	TTL		IM6403-1IDL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	5.5MXMA	TTL	TTL		IM6403-1MDL
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	5.5MXMA	TTL	TTL		IM6403-1MDL883B
INS	DIL-40/2P	CMOS	-40C/+85C	+5V	5.5MXMA	TTL	TTL		IM6403-1IPL
INS	DIL-40/2C	CMOS	0C/+70C	+5V	2TPMA	TTL/CMOS	TTL/CMOS		IM6504CJN
INS	DIL-40/2P	CMOS	0C/+70C	+5V	2TPMA	TTL/CMOS	TTL/CMOS		IM6504CPN
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	2TPMW	TTL/CMOS	TTL/CMOS		IM6504IDN
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	2TPMA	TTL/CMOS	TTL/CMOS		IM6504IJN
INS	DIL-18/1P	CMOS	-40C/+85C	+5V	2TPMA	TTL/CMOS	TTL/CMOS		IM6504IPN
INS	DIL-18/1C	CMOS	-55C/+125C	+5V	2TPMA	TTL/CMOS	TTL/CMOS		IM6504MDN
INS	FLP-18/4C	CMOS	-55C/+125C	+5V	2TPMA	TTL/CMOS	TTL/CMOS		IM6504MFN
INS	DIL-40/2C	CMOS	-55C/+125C	+5V	2TPMA	TTL/CMOS	TTL/CMOS		IM6504MJN
INS	DIL-16/1C	CMOS	-40C/+85C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS		IM6508A-1ID
INS	DIL-16/1C	CMOS	-40C/+85C	+10V	2MXMA	(5V)TTL	(5V)TTL/TS		IM6508A-1IJ
INS	DIL-16/1C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS		IM6508A-1MD
INS	FLP-16/4C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS		IM6508A-1MF
INS	DIL-16/1C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS		IM6508A-1MJ
INS	DIL-16/1C	CMOS	-40C/+85C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS		IM6508AID
INS	DIL-16/1C	CMOS	-40C/+85C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS		IM6508AIJ
INS	DIL-16/1C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS		IM6508AMD
INS	FLP-16/4C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS		IM6508AMF
INS	DIL-16/1C	CMOS	-55C/+125C	+10V	10MXMA	TTL	TTL/TS		IM6508AMJ
INS	DIL-16/1C	CMOS	0C/+70C	+5V	4MXMA	TTL	TTL/TS		IM6508CJ
INS	DIL-16/1P	CMOS	0C/+70C	+5V	4MXMA	TTL	TTL/TS		IM6508CP
INS	DIL-16/1C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS		IM6508ID
INS	DIL-16/1C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS		IM6508IJ
INS	DIL-16/1P	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS		IM6508IP
INS	DIL-16/1C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS		IM6508MD
INS	FLP-16/4C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS		IM6508MF
INS	DIL-16/1C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS		IM6508MJ
INS	DIL-16/1C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS		IM6508-1ID
INS	DIL-16/1C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS		IM6508-1IJ
INS	DIL-16/1C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS		IM6508-1MD
INS	FLP-16/4C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS		IM6508-1MF
INS	DIL-16/1C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS		IM6508-1MJ
INS	DIL-18/1C	CMOS	-40C/+85C	+10V	500MXuA	TTL/CMOS	TTL/CMOS		IM6512AIDN
INS	FLP-18/4C	CMOS	-40C/+85C	+10V	500MXuA	TTL/CMOS	TTL/CMOS		IM6512AIFN
INS	DIL-18/1C	CMOS	-40C/+85C	+10V	500MXuA	TTL/CMOS	TTL/CMOS		IM6512AIJN
INS	DIL-18/1C	CMOS	-55C/+125C	+10V	500MXuA	TTL/CMOS	TTL/CMOS		IM6512AMDN
INS	FLP-18/4C	CMOS	-40C/+85C	+10V	500MXuA	TTL/CMOS	TTL/CMOS		IM6512AMFN
INS	DIL-18/1C	CMOS	-55C/+125C	+10V	500MXMA	TTL/CMOS	TTL/CMOS		IM6512AMJN
INS	DIL-18/1C	CMOS	0C/+70C	+5V	800MXMA	TTL/CMOS	TTL/CMOS		IM6512CDN
INS	FLP-18/4C	CMOS	0C/+70C	+5V	800MXMA	TTL/CMOS	TTL/CMOS		IM6512CFN
INS	DIL-18/1C	CMOS	0C/+70C	+5V	800MXMA	TTL/CMOS	TTL/CMOS		IM6512CJN
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	100MXMA	TTL/CMOS	TTL/CMOS		IM6512IDN
INS	FLP-18/4C	CMOS	-40C/+85C	+5V	100MXMA	TTL/CMOS	TTL/CMOS		IM6512IFN
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	100MXMA	TTL/CMOS	TTL/CMOS		IM6512IJN
INS	DIL-18/1C	CMOS	-55C/+125C	+5V	100MXMA	TTL/CMOS	TTL/CMOS		IM6512MDN
INS	DIL-18/1C	CMOS	-55C/+125	+5V	100MXMA	TTL/CMOS	TTL/CMOS		IM6512MJN
INS	FLP-18/4C	CMOS	-55C/+125C	+5V	100MXMA	TTL/CMOS	TTL/CMOS		IM6512MFN

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
IM6514CJN	SRAM	4-BIT	4K=1024X4/TYP. ACCESS 160NS/6X 4Y 1CE ADDRESS LINES/2V RETENTION	GEN. PURP.
IM6514CPN	SRAM	4-BIT	4K=1024X4/TYP. ACCESS 160NS/6X 4Y 1CE ADDRESS LINES/2V RETENTION	GEN. PURP.
IM6514IDN	SRAM	4-BIT	4K=1024X4/TYP. ACCESS 160NS/6X 4Y 1CE ADDRESS LINES/2V RETENTION	GEN. PURP.
IM6514IJN	SRAM	4-BIT	4K=1024X4/TYP. ACCESS 160NS/6X 4Y 1CE ADDRESS LINES/2V RETENTION	GEN. PURP.
IM6514IPN	SRAM	4-BIT	4K=1024X4/TYP. ACCESS 160NS/6X 4Y 1CE ADDRESS LINES/2V RETENTION	GEN. PURP.
IM6514MDN	SRAM	4-BIT	4K=1024X4/TYP. ACCESS 160NS/6X 4Y 1CE ADDRESS LINES/2V RETENTION	GEN. PURP.
IM6514MFN	SRAM	4-BIT	4K=1024X4/TYP. ACCESS 160NS/6X 4Y 1CE ADDRESS LINES/2V RETENTION	GEN. PURP.
IM6514MJN	SRAM	4-BIT	4K=1024X4/TYP. ACCESS 160NS/6X 4Y 1CE ADDRESS LINES/2V RETENTION	GEN. PURP.
IM6518A-1ID	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518A-1IJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518A-1MD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518A-1MF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518A-1MJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518AID	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518AIJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518AMD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518AMF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518AMJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518CJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 600NS/5X 5Y 2CS ADDRESS LINES	6100
IM6518CP	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 600NS/5X 5Y 2CS ADDRESS LINES	
IM6518ID	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518IJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518IP	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518MD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518MF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518MJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518-1ID	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518-1IJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518-1MD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518-1MF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6518-1MJ	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
IM6551AIDF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 180NS/4X 4Y 1CE ADD. SEP. I-O LINES/2V RETN	GEN. PURP.
IM6551AIJF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 180NS/4X 4Y 1CE ADD. SEP. I-O LINES/2V RETN	GEN. PURP.
IM6551AMDF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 180NS/4X 4Y 1CE ADD. SEP. I-O LINES/2V RETN	GEN. PURP.
IM6551AMJF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 180NS/4X 4Y 1CE ADD. SEP. I-O LINES/2V RETN	GEN. PURP.
IM6551CDF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/4X 4Y 1CE ADD. SEP. I-O LINES	GEN. PURP.
IM6551CJF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/4X 4Y 1CE ADD. SEP. I-O LINES	GEN. PURP.
IM6551CPF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/4X 4Y 1CE ADD. SEP. I-O LINES	GEN. PURP.
IM6551IDF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 360NS/4X 4Y 1CE ADD. SEP. I-O LINES/2V RETN	GEN. PURP.
IM6551IJF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 360NS/4X 4Y 1CE ADD. SEP. I-O LINES/2V RETN	GEN. PURP.
IM6551IPF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 360NS/4X 4Y 1CE ADD. SEP. I-O LINES/2V RETN	GEN. PURP.
IM6551MDF	SRAM	4-BIT	1K=256X4/MAX. ACCESS 360NS/4X 4Y 1CE ADD. SEP. I-O LINES/2V RETN	GEN. PURP.
IM6551MJF	SRAM	4-BIT	1K=256X1/MAX. ACCESS 360NS/4X 4Y 1CE ADD. SEP. I-O LINES/2V RETN	GEN. PURP.
IM6561AIDN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 180NS/4X 4Y 1CE ADD. LINES/2V RETENTION	GEN. PURP.
IM6561AIJN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 180NS/4X 4Y 1CE ADD. LINES/2V RETENTION	GEN. PURP.
IM6561AMDN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 180NS/4X 4Y 1CE ADD. LINES/2V RETENTION	GEN. PURP.
IM6561AMJN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 180NS/4X 4Y 1CE ADD. LINES/2V RETENTION	GEN. PURP.
IM6561CDN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/4X 4Y 1CE ADD. LINES	GEN. PURP.
IM6561CJN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/4X 4Y 1CE ADD. LINES	GEN. PURP.
IM6561CPN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/4X 4Y 1CE ADD. LINES	GEN. PURP.
IM6561IDN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 360NS/4X 4Y 1CE ADD. LINES/2V RETENTION	GEN. PURP.
IM6561IJN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 360NS/4X 4Y 1CE ADD. LINES/2V RETENTION	GEN. PURP.
IM6561IPN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 360NS/4X 4Y 1CE ADD. LINES/2V RETENTION	GEN. PURP.
IM6561MDN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 360NS/4X 4Y 1CE ADD. LINES/2V RETENTION	GEN. PURP.
IM6561MJN	SRAM	4-BIT	1K=256X1/MAX. ACCESS 360NS/4X 4Y 1CE ADDR. LINES/2V RETENTION	GEN. PURP.
IM6653AIJG	EPROM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/10 ADDRESS 1CE LINES	GEN. PURP.
IM6653AIDG	EPROM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/10 ADDRESS 1CE LINES	GEN. PURP.
IM6653IDG	EPROM	4-BIT	4K=1024X4/MAX. ACCESS 550NS/10 ADDRESS 1CE LINES	GEN. PURP.
IM6653IJG	EPROM	4-BIT	4K=1024X4/MAX. ACCESS 550NS/10 ADDRESS 1CE LINES	GEN. PURP.
IM6653MDG	EPROM	4-BIT	4K=1024X4/MAX. ACCESS 600NS/10 ADDRESS 1CE LINES	GEN. PURP.
IM6653MJG	EPROM	4-BIT	4K=1024X4/MAX. ACCESS 600NS/10 ADDRESS 1CE LINES	GEN. PURP.
IM6653-1IDG	EPROM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/10 ADDRESS 1CE LINES	GEN. PURP.
IM6653-1IJG	EPROM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/10 ADDRESS 1CE LINES	GEN. PURP.
IM6654AIDG	EPROM	8-BIT	4K=512X8/MAX. ACCESS 300NS/9 ADDRESS 2CE LINES	GEN. PURP.
IM6654AIJG	EPROM	8-BIT	4K=512X8/MAX. ACCESS 300NS/9 ADDRESS 2CE LINES	GEN. PURP.
IM6654IDG	EPROM	8-BIT	4K=512X8/MAX. ACCESS 550NS/9 ADDRESS 2CE LINES	GEN. PURP.
IM6654IJG	EPROM	8-BIT	4K=512X8/MAX. ACCESS 550NS/9 ADDRESS 2CE LINES	GEN. PURP.
IM6654MDG	EPROM	8-BIT	4K=512X8/MAX. ACCESS 600NS/9 ADDRESS 2CE LINES	GEN. PURP.
IM6654MJG	EPROM	8-BIT	4K=512X8/MAX. ACCESS 600NS/9 ADDRESS 2CE LINES	GEN. PURP.
IM6654-1IDG	EPROM	8-BIT	4K=512X8/MAX. ACCESS 450NS/9 ADDRESS 2CE LINES	GEN. PURP.
IM6654-1IJG	EPROM	8-BIT	4K=512X8/MAX. ACCESS 450NS/9 ADDRESS 2CE LINES	GEN. PURP.
IM7027-1CJE	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 120NS/6 MUX. TIMES 2 ADDRESS 1CS LINES	GEN. PURP.
IM7027-2CJE	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MUX. TIMES 2 ADDRESS 1CS LINES	GEN. PURP.
IM7027-3CJE	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MUX. TIMES 2 ADDRESS 1CS LINES	GEN. PURP.
IM7027-4CJE	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. TIMES 2 ADDRESS 1CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE		DEVICE TYPE NO
INS	DIL-18/1C	CMOS	0C/+70C	+5V		TTL	TTL/TS	MK4114		IM6514CJN
INS	DIL-18/1P	CMOS	0C/+70C	+5V		TTL	TTL	MK4114		IM6514CPN
INS	DIL-18/1C	CMOS	-40C/+85C	+5V		TTL	TTL	MK4114		IM6514IDN
INS	DIL-18/1C	CMOS	-40C/+85C	+5V		TTL	TTL	MK4114		IM6514IJN
INS	DIL-18/1P	CMOS	-40C/+85C	+5V		TTL	TTL	MK4114		IM6514IPN
INS	DIL-18/1C	CMOS	-55C/+125C	+5V		TTL	TTL	MK4114		IM6514MDN
INS	FLP-18/4C	CMOS	-55C/+125C	+5V		TTL	TTL	MK4114		IM6514MFN
INS	DIL-18/1C	CMOS	-55C/+125C	+5V		TTL	TTL	MK4114		IM6514MJN
INS	DIL-18/1C		-40C/+85C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6518A-1ID
INS	DIL-18/1C	CMOS	-40C/+85C	+10V	2MXMA	(5V)TTL	(5V)TTL/TS			IM6518A-1IJ
INS	DIL-18/1C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6518A-1MD
INS	FLP-18/4C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6518A-1MF
INS	DIL-18/1C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6518A-1MJ
INS	DIL-18/1C	CMOS	-40C/+85C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6518AID
INS	DIL-18/1C	CMOS	-40C/+85C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6518AIJ
INS	DIL-18/1C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6518AMD
INS	FLP-18/4C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6518AMF
INS	DIL-18/1C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6518AMJ
INS	DIL-18/1C	CMOS	0C/+70C	+5V	4MXMA	TTL	TTL/TS			IM6518CJ
INS	DIL-18/1P	CMOS	0C/+70C	+5V	4MXMA	TTL	TTL/TS			IM6518CP
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS	-	I	M6518ID
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS			IM6518IJ
INS	DIL-18/1P	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS			IM6518IP
INS	DIL-18/1C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS			IM6518MD
INS	FLP-18/4C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS			IM6518MF
INS	DIL-18/1C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS			IM6518MJ
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS			IM6518-1ID
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS			IM6518-1IJ
INS	DIL-18/1C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS			IM6518-1MD
INS	FLP-18/4C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS			IM6518-1MF
INS	DIL-18/1C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS			IM6518-1MJ
INS	DIL-22/4C	CMOS	-40C/+85C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6551AIDF
INS	DIL-22/4C	CMOS	-40C/+85C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6551AIJF
INS	DIL-22/4C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6551AMDF
INS	DIL-22/4C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6551AMJF
INS	DIL-22/4C	CMOS	0C/+70C	+5V	4MXMA	TTL	TTL/TS			IM6551CDF
INS	DIL-22/4C	CMOS	0C/+70C	+5V	4MXMA	TTL	TTL/TS			IM6551CJF
INS	DIL-22/4P	CMOS	0C/+70C	+5V	4MXMA	TTL	TTL/TS			IM6551CPF
INS	DIL-22/4C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS			IM6551IDF
INS	DIL-22/4C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS			IM6551IJF
INS	DIL-22/4P	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS			IM6551IPF
INS	DIL-22/4C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS			IM6551MDF
INS	DIL-22/4C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS			IM6551MJF
INS	DIL-18/1C	CMOS	-40C/+85C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6561AIDN
INS	DIL-18/1C	CMOS	-40C/+85C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6561AIJN
INS	DIL-18/1C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6561AMDN
INS	DIL-18/1C	CMOS	-55C/+125C	+10V	10MXMA	(5V)TTL	(5V)TTL/TS			IM6561AMJN
INS	DIL-18/1C	CMOS	0C/+70C	+5V	4MXMA	TTL	TTL/TS			IM6561CDN
INS	DIL-18/1C	CMOS	0C/+70C	+5V	4MXMA	TTL	TTL/TS			IM6561CJN
INS	DIL-18/1P	CMOS	0C/+70C	+5V	4MXMA	TTL	TTL/TS			IM6561CPN
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS			IM6561IDN
INS	DIL-18/1C	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS			IM6561IJN
INS	DIL-18/1P	CMOS	-40C/+85C	+5V	2MXMA	TTL	TTL/TS			IM6561IPN
INS	DIL-18/1C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS			IM6561MDN
INS	DIL-18/1C	CMOS	-55C/+125C	+5V	2MXMA	TTL	TTL/TS			IM6561MJN
INS	DIL-24/2Q	CMOS	-40C/+85C	+10V	12MXMA	CMOS	CMOS			IM6653AIJG
INS	DIL-24/2Q	CMOS	-40C/+85C	+10V	12MXMA	CMOS	CMOS			IM6653AIDG
INS	DIL-24/2Q	CMOS	-40C/+85C	+5V	6MXMA	CMOS	CMOS			IM6653IDG
INS	DIL-24/2Q	CMOS	-40C/+85C	+5V	6MXMA	CMOS	CMOS			IM6653IJG
INS	DIL-24/2Q	CMOS	-55C/+125C	+5V	6MXMA	CMOS	CMOS			IM6653MDG
INS	DIL-24/2Q	CMOS	-55C/+125C	+5V	6MXMA	CMOS	CMOS			IM6653MJG
INS	DIL-24/2Q	CMOS	-40C/+85C	+5V	6MXMA	CMOS	CMOS			IM6653-1IDG
INS	DIL-24/2Q	CMOS	-40C/+85C	+5V	6MXMA	CMOS	CMOS			IM6653-1IJG
INS	DIL-24/2Q	CMOS	-40C/+85C	+10V	12MXMA	CMOS	CMOS			IM6654AIDG
INS	DIL-24/2Q	CMOS	-40C/+85C	+10V	12MXMA	CMOS	CMOS			IM6654AIJG
INS	DIL-24/2Q	CMOS	-40C/+85C	+5V	6MXMA	CMOS	CMOS			IM6654IDG
INS	DIL-24/2Q	CMOS	-40C/+85C	+5V	6MXMA	CMOS	CMOS			IM6654IJG
INS	DIL-24/2Q	CMOS	-55C/+125C	+5V	6MXMA	CMOS	CMOS			IM6654MDG
INS	DIL-24/2Q	CMOS	-55C/+125C	+5V	6MXMA	CMOS	CMOS			IM6654MJG
INS	DIL-24/2Q	CMOS	-40C/+85C	+5V	6MXMA	CMOS	CMOS			IM6654-1IDG
INS	DIL-24/2Q	CMOS	-40C/+85C	+5V	6MXMA	CMOS	CMOS			IM6654-1IJG
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS			IM7027-1CJE
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS			IM7027-2CJE
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS			IM7027-3CJE
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS			IM7027-4CJE

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
IM7114L2CJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
IM7114L2CPN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
IM7114L3CJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
IM7114L3CPN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
IM7114LCJN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
IM7114LCPN	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
IM7141CJN	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES/SEP. I-O	GEN. PURP.
IM7141L2CJN	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES/SEP. I-O	GEN. PURP.
IM7141L3CJN	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES/SEP. I-O	GEN. PURP.
IM7141LCJN	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES/SEP. I-O	GEN. PURP.
IM7141MJN	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES/SEP. I-O	GEN. PURP.
IM7141MJN/B	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
IM7141-2CJN	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES SEP. I-O	GEN. PURP.
IM7141-2MJN	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES/SEP. I-O	GEN. PURP.
IM7141-2MJN/B	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
IM7141-3CJN	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES/SEP. I-O	GEN. PURP.
IM7141-3MJN	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES/SEP. I-O	GEN. PURP.
IM7141-3MJN/B	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
IM7226AIDL	CTC	.	10MHZ UNIVERSAL COUNTER 8-SEG. LED DRIVER/8 DIGITS/COM ANODE	GEN. PURP.
IM7226BIPL	CTC	.	10MHZ UNIVERSAL COUNTER 8-SEG. LED DRIVER/8 DIGITS/COM CATH.	GEN. PURP.
INS1671D	USART	5-8BIT	ASYNCHRONOUS-SYNCHRONOUS TRANSMITTER-RECEIVER	8080
INS1671N	USART	5-8BIT	ASYNCHRONOUS-SYNCHRONOUS TRANSMITTER-RECEIVER	8080
INS1771D-1	FLPDC	8-BIT	FLOPPY DISK FORMATTER-CONTROLLER	8080
INS1771N-1	FLPDC	8-BIT	FLOPPY DISK FORMATTER-CONTROLLER	8080
INS8070	MICMP	8-BIT	1-CHIP MICROCOMPUTER/ON-CHIP 64X8 RAM, NO-ROM	8070
INS8070D	MICMP	8-BIT	1-CHIP MICROCOMPUTER/ON-CHIP 64X8 RAM, NO ROM	8070
INS8070J	MICMP	8-BIT	1-CHIP MICROCOMPUTER/ON-CHIP 64X8 RAM, NO ROM	8070
INS8072XXXJ	MICMP	8-BIT	1-CHIP MICROCOMPUTER/ON-CHIP 64X8 RAM,2.5KX8 MROM	8070
INS8080AD	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAMILY (APP. B)/MIN. CLOCK PERIOD 480NS	8080
INS8080AD-1	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAMILY (APP. B)/MIN. CLOCK PERIOD 320NS	8080
INS8080AD-2	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAMILY (APP. B)/MIN. CLOCK PERIOD 380NS	8080
INS8251	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
INS8251D	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
INS8255	PIA	8-BIT	PROG. I-O PORT	8080
INS8255D	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAMILY (APP. B)	8080
IOB1680-CERAMIC	IOBFR	16-BIT	PROGRAMMABLE INPUT/OUTPUT BUFFER IN 1600 FAMILY (APP. B)	1600
IOB1680-PLASTIC	IOBFR	16-BIT	PROGRAMMABLE INPUT/OUTPUT BUFFER IN 1600 FAMILY (APP. B)	1600
ISP-8A/500D	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP FAMILY (APP. B)/=SC/MP	SC/MP
ISP-8A/600D	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP-II FAMILY (APP. B)	SC/MP-II
ISP-8A/600-I	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP-II FAILY (APP. B)	SC/MP-II
ISP-8A/600N	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP-II FAMILY (APP. B)	SC/MP-II
ITT1103	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
ITT1103-1	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
ITT4027-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/MULTIPLEX 6 ADDRESS LINES	GEN. PURP.
ITT4027-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/MULTIPLEX 6 ADDRESS LINES	GEN. PURP.
ITT-4027-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/MULTIPLEX 6 ADDRESS LINES	GEN. PURP.
ITT4027-6	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/MULTIPLEX 6 ADDRESS LINES	GEN. PURP.
ITT4116-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
ITT4116-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
ITT4116-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/MULTIPLEX 7 ADDRESS LINES	GEN. PURP.
ITT7150	MICTR		DEDICATED MICROPROCESSOR FOR WASHING MACHINE-SINGLE CHIP(APP.B)	7150
L2308A	MROM	8-BIT	8K=1024X8/MAX. ACCESS 550NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
L8308A	MROM	8-BIT	8K=1024X8/MAX. ACCESS 550NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
LP1000-CERAMIC	DMI	8-BIT	MEMORY INTERFACE CHIP OF 8000 FAMILY (APP. B)	8000
LP1000-PLASTIC	DMI	8-BIT	MEMORY INTERFACE CHIP OF 8000 FAMILY (APP. B)	8000
LP1010C	IOBFR	8-BIT	INPUT/OUTPUT BUFFER OF 8000 FAMILY (APP.B)	8000
LP1010P	IOBFR	8-BIT	INPUT/OUTPUT BUFFER OF 8000 FAMILY (APP. B)	8000
LP1030C	CLOCK	8-BIT	CLOCK GENERATOR OF 8000 FAMILY (APP. B)	8000
LP1030P	CLOCK	8-BIT	CLOCK GENERATOR OF 8000 FAMILY (APP. B)	8000
LP6000C	MROM	8-BIT	ROM PROGRAM MEMORY OF 8000 FAMILY (APP. B)	8000
LP6000P	MROM	8-BIT	ROM PROGRAM MEMORY OF 8000 FAMILY (APP. B)	8000
LP8000-CERAMIC	MPU	8-BIT	PROCESSOR CHIP OF 8000 FAMILY (APP. B)	8000
LP8000-PLASTIC	MPU	8-BIT	PROCESSOR CHIP OF 8000 FAMILY (APP. B)	8000
LS7030	CTC	.	8-DECADE UP-COUNTER/8-DECADE LATCH/MULTIPLEXER/DC TO 5MHZ	GEN. PURP.
LS7031	CTC	.	6-DECADE UP-COUNTER/8-DECADE LATCH/MULTIPLEXER/DC TO 5MHZ	GEN. PURP.
LS7040	CTC	.	DUAL 3-DECADE UP-DOWN-COUNTER/DC TO 350KHZ	GEN. PURP.
LS7050	CTC	.	6-DECADE UP-DOWN-COUNTER/DC TO 50KHZ	GEN. PURP
LS7060	CTC	.	32-BIT BINARY COUNTER/32-BIT LATCH AND MUX./	GEN. PURP.
LS7061	CTC	8-BIT	32-BIT BINARY UP-COUNTER/40-BIT LATCH/MULTIPLEXER	GEN. PURP.
LS7090	CTC		9-DECADE KEYBOARD-CONTROLLED UP-DOWN COUNTER	GEN. PURP.
LS7100	DSPLC	.	BCD-TO-7 SEGMENT LATCH-DECODER LCD OR GAS DISCH. DISPLAY/TO 16V	GEN. PURP.
LS7110	DSPLC	.	8-CHANN. MUX./DEMUX./DRIVER ALPHA-NUMERIC DISPLAY TO 60V	GEN. PURP.
M5G1400P	EAROM	14-BIT	1400=100X14/MAX. ACCESS 20uS	GEN. PURP.
M5K4116P-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX ADDRESS LINES	GEN. PURP.
M5K4116P-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INS	DIL-18/1C	NMOS	0C/+75C	+5V	40MXMA	TTL	TTL/TS		IM7114L2CJN
INS	DIL-18/1P	NMOS	0C/+75C	+5V	40MXMA	TTL	TTL/TS		IM7114L2CPN
INS	DIL-18/1C	NMOS	0C/+75C	+5V	40MXMA	TTL	TTL/TS		IM7114L3CJN
INS	DIL-18/1P	NMOS	0C/+75C	+5V	40MXMA	TTL	TTL/TS		IM7114L3CPN
INS	DIL-18/1C	NMOS	0C/+75C	+5V	40MXMA	TTL	TTL/TS		IM7114LCJN
INS	DIL-18/1P	NMOS	0C/+75C	+5V	40MXMA	TTL	TTL/TS		IM7114LCPN
INS	DIL-18/1C	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL		IM7141CJN
INS	DIL-18/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL		IM7141L2CJN
INS	DIL-18/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL		IM7141L3CJN
INS	DIL-18/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL		IM7141LCJN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	495MXMW	TTL	TTL		IM7141MJN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	495MXMW	TTL	TTL		IM7141MJN/B
INS	DIL-18/1C	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL		IM7141-2CJN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	495MXMW	TTL	TTL		IM7141-2MJN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	495MXMW	TTL	TTL		IM7141-2MJN/B
INS	DIL-18/1C	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL		IM7141-3CJN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	495MXMW	TTL	TTL		IM7141-3MJN
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	495MXMW	TTL	TTL		IM7141-3MJN/B
INS	DIL-40/2C	CMOS	-20C/+70C	+5V		TTL			IM7226AIDL
INS	DIL-40/2P	CMOS	-20C/+70C	+5V		TTL			IM7226BIPL
NAT	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	UC1671A	INS1671D
NAT	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	UC1671B	INS1671N
NAT	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	30TPMA	TTL	TTL/TS	FD1771A	INS1771D-1
NAT	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	30TPMA	TTL	TTL/TS	FD1771B	INS1771N-1
NAT	DIL-40/2C	NMOS	0C/+70C	+5V	100TPMA	TTL	TTL/TS		INS8070
NAT	DIL-40/2C	NMOS	0C/+70C	+5V	100TPMA	TTL	TTL/TS		INS8070D
NAT	DIL-40/2P	NMOS	0C/+70C	+5V	100TPMA	TTL	TTL/TS		INS8070J
NAT	DIL-40/2P	NMOS	0C/+70C	+5V	100TPMA	TTL	TTL/TS		INS8072XXXJ
NAT	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	D8080A	INS8080AD
NAT	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	D8080A-1	INS8080AD-1
NAT	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	D8080A-2	INS8080AD-2
NAT	DIL-28/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	D8251A	INS8251
NAT	DIL-28/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	D8251	INS8251D
NAT	DIL-40/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	D8225A	INS8255
NAT	DIL-40/2C	NMOS	0C/+70C	+5V	40TPMA	TTL	TTL	C8255	INS8255D
GEI	DIL-40/2C	NMOS	0C/+70C	+5V/+12V		TTL	TTL		IOB1680-CERAMIC
GEI	DIL-40/2P	NMOS	0C/+70C	+5V/+12V		TTL	TTL		IOB1680-PLASTIC
NAT	DIL-40/2C	PMOS	0C/+70C	-7V/+5V	135MXMA	TTL	TTL/TS	SC/MP	ISP-8A/500D
NAT	DIL-40/2C	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	ISP-8A/600D	ISP-8A/600D
NAT	DIL-40/2C	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	ISP-8A/600N	ISP-8A/600I
NAT	DIL-40/2P	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	ISP-8A/600I	ISP-8A/600N
ITT	DIL-18/1C	PMOS	0C/+70C	+16V/+19V	59MXMA	MOS	SENSE AMP	D1103	ITT1103
ITT	DIL-18/1C	PMOS	0C/+70C	+16V/+19V	69MXMA	MOS	SENSE AMP	C1103-1	ITT1103-1
ITT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4027P-2	ITT4027-2
ITT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMW	TTL	TTL/TS	MK4027P-3	ITT4027-3
ITT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMW	TTL	TTL/TS	MK4027P-4	ITT-4027-4
ITT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMW	TTL	TTL/TS	M4027-5DL	I TT4027-6
ITT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL	/TSMK4116P-2	ITT4116-2
ITT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116P-3	ITT4116-3
ITT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116P-4	ITT4116-4
ITT	DIL-28/2	PMOS	0C/+60C	-15V	40MXMA				ITT7150
ELA	DIL-24/2C	NMOS	-55C/+100C	+5V	135MXMA	TTL	TTL/TS	D2308	L2308A
ELA	DIL-24/2C	NMOS	-55C/+100C	+5V	135MXMA	TTL	TTL/TS	EA8308ADL	L8308A
GEI	DIL-40/2C	PMOS	0C/+75C	-12V/+5V	500MXMW	+3.5/+0.8V	TTL		LP1000-CERAMIC
GEI	DIL-40/2P	PMOS	0C/+75C	-12V/+5V	500MXMW	+3.5/+0.8V	TTL		LP1000-PLASTIC
GEI	DIL-40/2C	PMOS	0C/+75C	-12V/+5V	500MXMW	+3.5/+0.8V	+3.5/+0.8V		LP1010C
GEI	DIL-40/2P	PMOS	0C/+75C	-12V/+5V	500MXMW	+3.5/+0.8V	+3.5/+0.8V		LP1010P
GEI	DIL-8/1C	PMOS	0C/+75C	-12V/+5V	500MXMW	+3.5/+0.8V	+3.5/+0.8V		LP1030C
GEI	DIL-8/1P	PMOS	0C/+75C	-12V/+5V	500MXMW	+3.5/+0.8V	+3.5/+0.8V		LP1030P
GEI	DIL-40/2C	PMOS	0C/+75C	-12V/+5V	500MXMW	+3.5/+0.8V	+3.5/+0.8V	LP6000P	LP6000C
	DIL-40/2P	PMOS	0C/+75C	-12V/+5V	500MXMW	+3.5/+0.8V	+3.5/+0.8V	LP6000C	LP6000P
GEI	DIL-40/2C	PMOS	0C/+75C	-12V/+5V	1MXW	+3.5/+0.8V	+3.5/+0.8V	LP8000-PLAST	LP8000-CERAMIC
GEI	DIL-40/2P	PMOS	0C/+75C	-12V/+5V	1MXW	+3.5/+0.8V	+3.5/+0.8V	LP8000-CERAM	LP8000-PLASTIC
LSI	DIL-40/2-	PMOS	0C/+70C	+4.75V TO +15V		CMOS	CMOS		LS7030
LSI	DIL-40/2	PMOS	0C/+70C	+4.75V TO +15V		CMOS	CMOS		LS7031
LSI	DIL-40/2	MOS	0C/+70C	+5V		TTL	TTL		LS7040
LSI	DIL-40/2-	-MOS	0C/+70C	+5V TO +15V		CMOS	CMOS		LS7050
LSI	DIL-18/1-	NMOS	0C/+70C	+5V		TTL	TTL/TS		LS7060
LSI	DIL-24/2-	NMOS	0C/+70C	+5V		TTL	TTL/TS		LS7061
LSI	DIL-40/2-	-MOS	0C/+70C	+5V		TTL	TTL		LS7090
LSI	DIL-16/1-	PMOS	0C/+70C	+5V		TTL	+60V		LS7100
LSI	DIL-16/1-	PMOS	0C/+70C	+5V		TTL	+60V		LS7110
MIT	DIL-14/1P	PMOS	0C/+70C	+5V	200TPMW	TTL	TTL		M5G1400P
MIT	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	280TPMW	TTL	TTL/TS	MK4116N-2	M5K4116P-2
MIT	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	280TPMW	TTL	TTL/TS	MK4116N-3	M5K4116P-3

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
M5K4116P-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX ADDRESS LINES	GEN. PURP.
M5K4116S-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX ADDRESS LINES	GEN. PURP.
M5K4116S-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX ADDRESS LINES	GEN. PURP.
M5K4116S-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX ADDRESS LINES	GEN. PURP.
M5L2101AP	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
M5L2101AP-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
M5L2101AP-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
M5L2101AS	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
M5L2101AS-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
M5L2101AS-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
M5L2102AP-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
M5L2102AS-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
M5L2107BP	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M5L2107BS	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M5L2111AP	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	8080
M5L2111AP-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	8080
M5L2111AP-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	8080
M5L2111AS	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	8080
M5L2111AS-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	8080
M5L2111AS-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	8080
M5L2112AP	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 1CE ADDRESS LINES	8080
M5L2112AP-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 1CE ADDRESS LINES	8080
M5L2112AP-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDRESS LINES	8080
M5L2112AS	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 1CE ADDRESS LINES	8080
M5L2112AS-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 1CE ADDRESS LINES	8080
M5L2112AS-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDRESS LINES	8080
M5L2114LP	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
M5L2114LP-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
M5L2114LP-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
M5L2114LS	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
M5L2114LS-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
M5L2114LS-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
M5L2708K	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
M5L2708K-65	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 650NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
M5L2708S	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
M5L2708S-65	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 650NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
M5L2716K	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 3Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
M5L2716K-65	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 3Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
M5L5101LP-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
M5L8041A-XXXP	PIA	8-BIT	UNIVERSAL 8-BIT PERIPHERAL INTERFACE/INT. 1KX8 MROM, 64X8 ROM	8080
M5L8080AP	MPU	8-BIT	1-CHIP CPU OF M58710(=8080)FAM./MAX. CLOCK 3MHZ	8080
M5L8080AS	MPU	8-BIT	1-CHIP CPU OF M58710(=8080)FAM./MAX. CLOCK 3MHZ	8080
M5L8085AP	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./3MHZ CLOCK	8085
M5L8085AP-20	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./2MHZ CLOCK	8085
M5L8085AS	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./3MHZ CLOCK	8085
M5L8085AS-20	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./2MHZ CLOCK	8085
M5L8212P	IP/OP	8-BIT	INPUT-OUTPUT PORT OF M58710S(=8080) MICROCOMPUTER	8080
M5L8216P	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INV.	8080
M5L8224P	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080 FAM.	8080
M5L8226P	DRVR	4-BIT	BIDIRECTIONAL BUS DRVR, INV./8080 FAM.	8080
M5L8228P	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080 FAM./	8080
M5L8243P	EXPIO	4-BIT	INPUT-OUTPUT EXPANDER FOR 4-BIT I-O PORTS/3MHZ CLOCK	GEN. PURP.
M5L8251AP	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
M5L8253P	PTM	.	PROGRAMMABLE INTERVAL TIMER/THREE 16-BIT COUNTERS/DC-2MHZ	8080
M5L8253P-5	PTM	.	PROGRAMMABLE INTERVAL TIMER/THREE 16-BIT COUNTERS/DC-2MHZ	8085A
M5L8255AP	PIA	8-BIT	PROG. I-O PORT	8080
M5L8255AP-5	PIA	8-BIT	PROG. I-O PORT	8080
M5L8257P	DMAC	8-BIT	PROGRAMMABLE DMA CONTROLLER/3MHZ CLOCK	8080
M5L8257P-5	DMAC	8-BIT	PROGRAMMABLE DMA CONTROLLER	8080
M5L8279P	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY INTERFACE/2MHZ CLOCK	8080
M5L8279P-5	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY INTERFACE/3MHZ CLOCK	8080
M5T4044P-20	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M5T4044P-30	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M5T4044P-45	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M5T4044S-20	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M5T4044S-30	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M5T4044S-45	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M120/0	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS	GEN. PURP.
M1403A	SHFTR	.	1K=2X512 DYNAMIC SHIFT REG./5MHZ CLOCK SPEED/DUAL-512	GEN. PURP.
M1404A	SHFTR	.	1K=1X1024 DYNAMIC SHIFT REG./5MHZ CLOCK SPEED/SINGLE-1024	GEN. PURP.
M1405A	SHFTR	.	512 BIT DYNAMIC SHIFT REG./2MHZ CLOCK SPEED/SINGLE-512	GEN. PURP.
M2102A/K	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
M2102A/M	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
M2102-4F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
M2102-4I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y ADDRESS 1CE LINES	

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MIT	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	260TPMW	TTL	TTL/TS	MK4116N-4	M5K4116P-4
MIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	280TPMW	TTL	TTL/TS	MK4116P-2	M5K4116S-2
MIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	280TPMW	TTL	TTL/TS	MK4116P-3	M5K4116S-3
MIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	260TPMW	TTL	TTL/TS	MK4116P-4	M5K4116S-4
MIT	DIL-22/4P	NMOS	0C/+70C	+5V	175TPMW	TTL	TTL/TS	P2101A	M5L2101AP
MIT	DIL-22/4P	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	P2101A	M5L2101AP-2
MIT	DIL-22/4P	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL/TS	P2101A-2	M5L2101AP-4
MIT	DIL-22/4S	NMOS	0C/+70C	+5V	175TPMW	TTL	TTL/TS	C2101A	M5L2101AS
MIT	DIL-22/4S	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	C2101A	M5L2101AS-2
MIT	DIL-22/4S	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL/TS	C2101A-2	M5L2101AS-4
MIT	DIL-16/1P	NMOS	0C/+70C	+5V	100TPMW	TTL	TTL/TS	P2102A-4	M5L2102AP-4
MIT	DIL-16/1C	NMOS	0C/+70C	+5V	100TPMW	TTL	TTL/TS	C2102A-4	M5L2102AS-4
MIT	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V	300TPMW	TTL	TTL/TS	B2107B	M5L2107BP
MIT	DIL-22/2S	NMOS	0C/+70C	-5V/+5V/+12V	300TPMW	TTL	TTL/TS	B2107B	M5L2107BS
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	175TPMW	TTL	TTL/TS	P2111A	M5L2111AP
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	P2111A-2	M5L2111AP-2
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL/TS	P2111A-4	M5L2111AP-4
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	175TPMW	TTL	TTL/TS	C2111A	M5L2111AS
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	C2111A-2	M5L2111AS-2
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL/TS	C2111A-4	M5L2111AS-4
MIT	DIL-16/1P	NMOS	0C/+70C	+5V	175TPMW	TTL	TTL/TS	P2112A	M5L2112AP
MIT	DIL-16/1P	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	P2112A-2	M5L2112AP-2
MIT	DIL-16/1P	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL/TS	P2112A-4	M5L2112AP-4
MIT	DIL-16/1C	NMOS	0C/+70C	+5V	175TPMW	TTL	TTL/TS	C2112A	M5L2112AS
MIT	DIL-16/1C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	C2112A-2	M5L2112AS-2
MIT	DIL-16/1C	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL/TS	C2112A-4	M5L2112AS-4
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	P2114L	M5L2114LP
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL/TS	P2114L-2	M5L2114LP-2
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	250TPMW	TTL	TTL/TS	P2114L-3	M5L2114LP-3
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	C2114L	M5L2114LS
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL/TS	C2114L-2	M5L2114LS-2
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	250TPMW	TTL	TTL/TS	C2114L-3	M5L2114LS-3
MIT	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	600TPMW	TTL	TTL/TS	C2708	M5L2708K
MIT	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	600TPMW	TTL	TTL/TS	C2708	M5L2708K-65
MIT	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	600TPMW	TTL	TTL/TS	C2708	M5L2708S
MIT	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	600TPMW	TTL	TTL/TS	C2708	M5L2708S-65
MIT	DIL-24/2Q	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL	D2716	M5L2716K
MIT	DIL-24/2Q	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL	D2716	M5L2716K-65
MIT	DIL-22/4C	CMOS	0C/+70C	+5V	75TPMW	TTL	TTL/TS	P5101L-1	M5L5101LP-1
MIT	DIL-40/2P	NMOS	-20C/+70C	+5V	300TPMW	TTL	TTL	P8041A	M5L8041A-XXXP
MIT	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	780TPMW	TTL	TTL/TS	P8080A	M5L8080AP
MIT	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	780TPMW	TTL	TTL/TS	C8080A	M5L8080AS
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	P8085A	M5L8085AP
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	P8085A	M5L8085AP-20
MIT	DIL-40/2S	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	C8085A	M5L8085AS
MIT	DIL-40/2S	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	C8085A	M5L8085AS-20
MIT	DIL-24/2P	TTLB	0C/+75C	+5V	450TPMW	TTL	TTL/TS	P8212	M5L8212P
MIT	DIL-16/1P	TTLB	0C/+70C	+5V	475TPMW	TTL	TTL/TS	P8216	M5L8216P
MIT	DIL-16/1P	STLB	0C/+75C	+5V/+12V	500MXMW		TTL/TS	P8224	M5L8224P
MIT	DIL-16/1P	BIP	0C/+70C	+5V	425TPMW	TTL	TTL TS	P8226	M5L8226P
MIT	DIL-28/2P	BIP	0C/+75C	+5V	650MXMW	TTL	TTL/TS	P8228	M5L8228P
MIT	DIL-24/2P	NMOS	-20C/+70C	+5V	300TPMW	TTL	TTL	P8243	M5L8243P
MIT	DIL-28/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	P8251A	M5L8251AP
MIT	DIL-24/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	P8253	M5L8253P
MIT	DIL-24/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	P8253-5	M5L8253P-5
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	P8255A	M5L8255AP
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	P8255A-5	M5L8255AP-5
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL	P8257	M5L8257P
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL	P8257-5	M5L8257P-5
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	650TPMW	TTL	TTL	P8279	M5L8279P
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	650TPMW	TTL	TTL	P8279-5	M5L8279P-5
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL/TS	TMS4044-20NL	M5T4044P-20
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	250TPMW	TTL	TTL/TS	TMS4044-30NL	M5T4044P-30
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	TMS4044-45NL	M5T4044P-45
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL/TS	TMS4044-20JL	M5T4044S-20
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	250TPMW	TTL	TTL/TS	TMS4044-30JL	M5T4044S-30
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	TMS4044-45JL	M5T4044S-45
SGS	DIL-18/1P	NMOS	0C/+70C	+12V	30MXMA	NMOS	NMOS		M120/O
INL	TO5-8/1M	PMOS	0C/+70C	-9V/+5V	25MXMA	TTL	MOS/TTL		M1403A
INL	TO5-8/1M	PMOS	0C/+70C	-9V/+5V	25MXMA	TTL	MOS/TTL		M1404A
INL	TO5-10/1M	PMOS	0C/+70C	-9V/+5V	40MXMA	TTL	TTL		M1405A
SGS	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A	M2102A/K
SGS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2102A	M2102A/M
PHI	DIL-16/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS	MM2102-2MD	M2102-4F
PHI	DIL-16/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS	MM2102-2MD	M2102-4I

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
M2102-6F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
M2102-6I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
M2316E/U	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES	8080
M2316E/X	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES	8080
M2704/X(1)	EPROM	8-BIT	4K=512X8/MAX. ACCESS 450NS/5X 4Y 1CS ADDRESS LINES	GEN. PURP.
M2708/X(1)	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
M3850/R	CPU	8-BIT	1-CHIP CENTRAL PROCESSING UNIT FOR F8 FAMILY/70 INSTNS.	F8
M3851/R	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. 64X8 RAM, IO, PROG. TIMER	F8
M3852/R	DMI	8-BIT	DYNAMIC MEM. IFACE FOR F8 FAM.	F8
M3853/R	MEMCT	8-BIT	STATIC MEMORY INTERFACE FOR F8 FAMILY	F8
M3854/R	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER FOR F8 FAMILY	F8
M3856/R	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./INT. MROM	F8
M3857/R	PSU	8-BIT	PROGRAM STORAGE UNIT AND STATIC MEMORY IFACE FOR F8 FAM.	F8
M3861/R	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT FOR F8 FAM. 3850 CPU	F8
M3870/R	MPU	8-BIT	1-CHIP MICROCOMPUTER WITH 32 I-O LINES, INTERRUPT AND TIMER	3870
M3871/R	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT FOR F8 FAM./COUNTER	F8(3850)
M4027P/K	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. 1CS ADDRSS LINES.	GEN. PURP.
M4027P/M	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. 1CS ADDRESS LINES.	GEN. PURP.
M4027-2DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-2DL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-2PC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-3DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-3DL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-3PC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-4DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-4DL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-4PC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-5DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-5DL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4027-5PC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS MULTIPLEXED 1CS LINES	GEN. PURP.
M4116P/K	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDRESS LINES	GEN. PURP.
M4116P/M	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDRESS LINES	GEN. PURP.
M40272FL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40272DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40272DL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40272FC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40272PC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40273DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40273DL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS LINES	GEN. PURP.
M40273FC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40273FL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40273PC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40274DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS LINES	GEN. PURP.
M40274DL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40274FC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40274FL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40274PC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40275DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS LINES	GEN. PURP.
M40275DL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40275FC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40275FL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS 1CS LINES	GEN. PURP.
M40275PC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS 1CS LINES	GEN. PURP.
M53289P	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
M54550P	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR M58710S(8080) FAM./NOW M5L8224P	8080
M54551K	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR M58710S(=8080) CPU/NOW M5L8228P	8080
M54551P	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080 FAM.	8080
M54552P	IP/OP	8-BIT	INPUT-OUTPUT PORT OF M58710S(=8080)MICROCOMPUTER/NOW M5L8212P	8080
M54553P	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INV./NOW M5L8216P	8080
M54554P	DRVR	4-BIT	BIDIRECTIONAL BUS DRVR, INV./M58710S (=8080) FAM./NOW M5L8226P	8080
M54700K	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	GEN. PURP.
M54700P	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	GEN. PURP.
M54700S	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	GEN. PURP.
M54730P	PROM	8-BIT	256=32X8 /MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
M54730S	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
M58332-XXXS	MROM	8-BIT	32K=4096X8/MAX. ACCESS 750NS	GEN. PURP.
M58333-XXXP	MROM	8-BIT	32K=4096X8/MAX. ACCESS 650NS	GEN. PURP.
M58334-XXXP	MROM	8-BIT	64K=8192X8/MAX. ACCESS 650NS	GEN. PURP.
M58494-XXXP	MICMP	4-BIT	1-CHIP 4-BIT MICROCOMPUTER/INT. 4KX10 MROM, 128-BIT RAM, A-D CVR	SPECIAL
M58502P	SHFTR	4-BIT	1K=4X256/DYNAMIC SHIFT REGISTER/3MHZ CLOCK/QUAD 256	GEN. PURP.
M58503P	SHFTR	2-BIT	1K=2X512 DYNAMIC SHIFT REGISTER/3MHZ CLOCK	GEN. PURP.
M58504P	SHFTR	1-BIT	1K=1X1024 DYNAMIC SHIFT REGISTER/3MHZ CLOCK	GEN. PURP.
M58531P	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
M58563S	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS, 1CS LINES	GEN. PURP.
M58563S-1	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.5uS/8 ADDRESS, 1CS LINES	GEN. PURP.
M58609-XXS	KBENC	.	KEYBOARD ENCODER/100KHZ MAX. FREQUENCY	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
PHI	DIL-16/1C	NMOS	-55C/+125C	+5V	60MXMA	TTL	TTL/TS	MD2102A-4	M2102-6F
PHI	DIL-16/1C	NMOS	-55C/+125C	+5V	60MXMA	TTL	TTL/TS	MD2102A-4	M2102-6I
SGS	DIL-24/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	D2316E	M2316E/U
SGS	DIL-24/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	D2316E	M2316E/X
SGS	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	D2704	M2704/X(1)
SGS	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708	M2708/X(1)
SGS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	700MXMW	TTL	TTL	F3850DC	M3850/R
SGS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	565MXMW	TTL	TTL	F3851DC	M3851/R
SGS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	710MXMW	TTL	TTL	F3852DC	M3852/R
SGS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	710MXMW	TTL	TTL	F3853DC	M3853/R
SGS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	600MXMW	TTL	TTL	F3854DC	M3854/R
SGS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL	F3856DC	M3856/R
SGS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL	F3857DC	M3857/R
SGS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	1.17MXW	TTL	TTL	F3861DC	M3861/R
SGS	DIL-40/2C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	MC3870L	M3870/R
SGS	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	565MXMW	TTL	TTL	F3871DC	M3871/R
SGS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027N-4	M4027P/K
SGS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-4	M4027P/M
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-2	M4027-2DC
FAS	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-2	M4027-2DL
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027N-2	M4027-2PC
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-3	M4027-3DC
FAS	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-3	M4027-3DL
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027N-3	M4027-3PC
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-4	M4027-4DC
FAS	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-4	M4027-4DL
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027N-4	M4027-4PC
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	M4027-5DL	M4027-5DC
FAS	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	M4027-5DC	M4027-5DL
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027N-4	M4027-5PC
SGS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	430MXMW	TTL	TTL/TS	MK4116J-3	M4116P/K
SGS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	430MXMW	TTL	TTL/TS	MK4116J-3	M4116P/M
FAS	FLP-16/3C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40272FL
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-1	M40272DC
FAS	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40272DL
FAS	FLP-16/3C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40272FC
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027N-2	M40272PC
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-3	M40273DC
FAS	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40273DL
FAS	FLP-16/3C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40273FC
FAS	FLP-16/3C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40273FL
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027N-3	M40273PC
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4023P-4	M40274DC
FAS	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40274DL
FAS	FLP-16/3C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40274FC
FAS	FLP-16/3C		-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40274FL
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027N-4	M40274PC
FAS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027N-5	M40275DC
FAS	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40275DL
FAS	FLP-16/3C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK40275FL	M40275FC
FAS	FLP-16/3C	NMOS	-55C/+85C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		M40275FL
FAS	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027N-5	M40275PC
MIT	DIL-16/1P	STLB	0C/+75C	+5V	375TPMW	TTL	TTL/OC	N74S89B	M53289P
MIT	DIL-16/1P	STLB	0C/+70C	+5V/+12V	500MXMW		TTL	P8224	M54550P
MIT	DIL-28/2C	TTLB	0C/+70C	+5V	650MXMW	TTL	TTL/TS	D8228	M54551K
MIT	DIL-28/2P	BIP	0C/+75C	+5V	650MXMW	TTL	TTL/TS	P8228	M54551P
MIT	DIL-24/2P	TTLB	0C/+75C	+5V	450TPMW	TTL	TTL/TS	P8212	M54552P
MIT	DIL-16/1P	TTLB	0C/+70C	+5V	475TPMW	TTL	TTL/TS	P8216	M54553P
MIT	DIL-16/1P	TTLB	0C/+70C	+5V	425TPMW	TTL	TTL/TS	P8226	M54554P
MIT	DIL-16/1C	BIP	0C/+70C	+5V	450TPMW	TTL	TTL/OC	MMI6300J	M54700K
MIT	DIL-16/1P	BIP	0C/+70C	+5V	450TPMW	TTL	TTL/OC	MMI6300N	M54700P
MIT	DIL-16/1C	BIP	0C/+70C	+5V	450TPMW	TTL	TTL/OC	MMI6300J	M54700S
MIT	DIL-16/1P	TTLB	0C/+70C	+5V	600MXMW	TTL	TTL/OC	MMI6330-1	M54730P
MIT	DIL-16/1C	BIP	0C/+70C	+5V	125MXMA	TTL	TTL/OC	MMI6330-1	M54730S
MIT	DIL-24/2C	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL		M58332-XXXS
MIT	DIL-24/2P	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL		M58333-XXXP
MIT	DIL-24/2P	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL		M58334-XXXP
MIT	DIL-68/3C	CMOS	-10C/+70C	+5V	5TPMW	TTL	TTL		M58494-XXXP
MIT	DIL-16/1P	PMOS	-10C/+75C	-5V/+5V	15TPMW	TTL	TTL	P1402A	M58502P
MIT	DIL-16/1P	PMOS	-10C/+75C	-5V/+5V	15TPMW	TTL	TTL		M58503P
MIT	DIL-16/1P	PMOS	-10C/+75C	-5V/+5V	15TPMW	TTL	TTL		M58504P
MIT	DIL-16/1P	PMOS	-10C/+75C	-9V/+5V	360TPMW	TTL	TTL	AM1101A	M58531P
MIT	DIL-24/2Q	PMOS	0	-9V/+5V	300TPMW	TTL	TTL/TS	C1702A	M58563S
MIT	DIL-24/2Q	PMOS	0	-9V/+5V	300TPMW	TTL	TTL/TS	C1702A	M58563S-1
MIT	DIL-40/2C	PMOS	-20C/+75C	-12V/+5V	70TPMW	TTL	TTL	AY-5-2376	M58609-XXS

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
M58609-04P	KBENC	.	KEYBOARD ENCODER/100KHZ MAX. FREQUENCY/JAP. IND. STD	GEN. PURP.
M58609-04S	KBENC	.	KEYBOARD ENCODER/100KHZ MAX. FREQUENCY/JAP. IND. STD	GEN. PURP.
M58609-09S	KBENC	.	KEYBOARD ENCODER/100KHZ MAX. FREQUENCY US ASCII CODE STD PRODUCT	GEN. PURP.
M58609-09P	KBENC	.	KEYBOARD ENCODER/100KHZ MAX. FREQUENCY/US ASCII CODE STD PRODUCT	GEN. PURP.
M58620-XXXS	KBENC	.	KEYBOARD ENCODER	GEN. PURP.
M58620-001S	KBENC	.	KEYBOARD ENCODER/JAP. IND. STD	GEN. PURP.
M58651S	EAROM	4-BIT	4K=1024X4/MAX. ACCESS 3uS	GEN. PURP.
M58654P	EAROM	14-BIT	1400=100X14/MAX. ACCESS 20uS/NOW M5G1400P	GEN. PURP.
M58656S	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1.5uS/NON VOLATILE	GEN. PURP.
M58710P	MPU	8-BIT	1-CHIP CPU OF M58710(=8080)FAM./MAX. CLOCK 2MHZ/NOW M5L8080AP	8080
M58710S	MPU	8-BIT	1-CHIP CPU OF M58710(=8080)FAM./MAX. CLOCK 2MHZ/NOW M5L8080AS	8080
M58712P	CPU	8-BIT	1-CHIP CPU OF M58712 (=8085) FAM./INT. CLK./NOW M5L8085AP	8085
M58712P-20	CPU	8-BIT	1-CHIP CPU OF M58712 (=8085) FAM./INT. CLK./NOW M5L8085AP-20	8085
M58712S	CPU	8-BIT	1-CHIP CPU OF M58712 (=8085) FAM./INT. CLK./NOW M5L8085AS	8085
M58712S-20	CPU	8-BIT	1-CHIP CPU OF M58712 (=8085) FAM./INT. CLK./NOW M5L8085AS-20	8085
M58721P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDR. LINES/NOW M5L2101AP-4	GEN. PURP.
M58721S	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDR. LINES/NOW M5L2101AS-4	GEN. PURP.
M58722P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDR. LINES/NOW M5L2111AP-4	8080
M58722S	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDR. LINES/NOW M5L2111AS-4	8080
M58723P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDR. LINES/NOW M5L2112AP-4	8080
M58723S	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDR. LINES/NOW M5L2112AS-4	8080
M58724P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDR. LINES/NOW M5L2114LP	8080
M58724P-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADD. LINES/NOW M5L2114LP-2	8080
M58724P-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADD. LINES/NOW M5L21114P-3	8080
M58724S	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDR. LINES/NOW M5L2114LS	8080
M58724S-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADD. LINES/NOW M5L2114LS-2	8080
M58724S-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADD. LINES/NOW M5L2114LS-3	8080
M58730-XXXS	MROM	8-BIT	8K=1024X8/MAX. ACCESS 850NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
M58730-001S	MROM	8-BIT	8K=1024X8/MAX. ACCESS 850NS/6X 4Y 2CS ADDRESS LINES/DEDICATED	GEN. PURP.
M58731-XXXS	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
M58731-001S	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/7X 4Y 3CS ADDRESS LINES/DEDICATED	GEN. PURP.
M58732S	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDR. LINES/NOW M5L2708S	GEN. PURP.
M58732S-1	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 650NS/6X 4Y 1CS ADDR. LINES/NOW M5L2708S65	GEN. PURP.
M58740P	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM.	8080
M58740S	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM.	8080
M58741P	DSPLC	.	TV INTERFACE FOR MICROCOMPUTER/64X64 COLOR SEGMENTS DISPLAY	GEN. PURP.
M58743P	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY INTERFACE/2MHZ CLOCK/NOW M5L8279P	8080
M58743S	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY INTERFACE FOR 8080 FAMILY	8080
M58751P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDR. LINES/NOW M5L2102AP4	GEN. PURP.
M58751S	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDR. LINES/NOW M5L2102AS4	GEN. PURP.
M58754P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADD. LINES/NOW M5T4044P-45	GEN. PURP.
M58754P-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADD. LINES/NOW M5T4044P-20	GEN. PURP.
M58754P-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADD. LINES/NOW M5T4044P-30	GEN. PURP.
M58754S	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADD. LINES/NOW M5T4044S-45	GEN. PURP.
M58754S-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADD. LINES/NOW M5T4044S-20	GEN. PURP.
M58754S-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADD. LINES/NOW M5T4044S-30	GEN. PURP.
M58755P-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADD. LINES/NOW M5L2107BP	GEN. PURP.
M58755P-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 270NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M58755P-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M58755S-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADD. LINES/NOW M5L2107BS	GEN. PURP.
M58755S-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 270NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M58755S-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
M58756S	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS 1CS LINES	GEN. PURP.
M58759P-15	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX ADDRESS LINES/NOW M5K4116P-2	GEN. PURP.
M58759P-20	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX ADDRESS LINES	GEN. PURP.
M58759P-25	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX ADDRESS LINES	GEN. PURP.
M58759S-15	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX ADDRESS LINES/NOW M5K4116S-2	GEN. PURP.
M58759S-20	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX ADDRESS LINES/NOW M5K4116P-2	GEN. PURP.
M58759S-25	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX ADDRESS LINES	GEN. PURP.
M58840-XXP	MICMP	4-BIT	1-CHIP 4-BIT MICROCOMPUTER/INTERNAL 2KX9 MROM, 128X4 RAM/A-D CVR	SPECIAL
M58842S	MICMP	4-BIT	1-CHIP 4-BIT SYST. EVALUATOR/EXT. ROM/INT. 128X4 RAM/A-D CVR	SPECIAL
M58980P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADD. LINES/NOW M5L5101LP-1	GEN. PURP.
M58981S-45	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
MB2716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
MB5101L-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/200uA STANDBY	GEN. PURP.
MB5101L4/B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MB5101L4/C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MB5101L4/MT	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MB5101-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/200uA STANDBY	GEN. PURP.
MB7042	SRAM	1-BIT	256=256X1/MAX. ACCESS 15NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
MB7042H	SRAM	1-BIT	256=256X1/MAX. ACCESS 12NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
MB7047	SRAM	1-BIT	128=128X1/MAX. ACCESS 14NS/4X 3Y 2CS ADDRESS LINES	GEN. PURP.
MB7051	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/9 ADDRESS 1CE LINES	GEN. PURP.
MB7052	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MB7053	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MIT	DIL-40/2C	PMOS	-20C/+75C	-12V/+5V	70TPMW	TTL	TTL		M58609-04P
MIT	DIL-40/2C	PMOS	-20C/+75C	-12V/+5V	70TPMW	TTL	TTL		M58609-04S
MIT	DIL-40/2C	PMOS	-20C/+70C	-12V/+5V	70TPMW	TTL	TTL		M58609-09S
MIT	DIL-40/2P	PMOS	-20C/+75C	-12V/+5V	70TPMW	TTL	TTL		M58609-09P
MIT	DIL-40/2C	PMOS	-20C/+75C	-12V/+5V	350TPMW	TTL	TTL		M58620-XXXS
MIT	DIL-40/2C	PMOS	-20C/+75C	-12V/+5V	350TPMW	TTL	TTL		M58620-001S
MIT	DIL-24/2C	PMOS	0C/+70C	-14V/+5V	160TPMW	TTL	TTL	ER2401(CER)	M58651S
MIT	DIL-14/1P	PMOS	0C/+70C	+5V	200TPMW	TTL	TTL		M58654P
MIT	DIL-18/1C	PMOS	0C/+70C	-15V/+5V	500TPMW	TTL	TTL	TMM142C	M58656S
MIT	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	780TPMW	TTL	TTL/TS	P8080A	M58710P
MIT	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	780TPMW	TTL	TTL/TS	C8080A	M58710S
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	P8085A	M58712P
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	P8085A	M58712P-20
MIT	DIL-40/2C	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	D8085A	M58712S
MIT	DIL-40/2C	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	D8085A	M58712S-20
MIT	DIL-22/4P	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL/TS	P2101A-4	M58721P
MIT	DIL-22/4C	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL/TS	C2102A-4	M58721S
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A-4	M58722P
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	C2111A-4	M58722S
MIT	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A-4	M58723P
MIT	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A-4	M58723S
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	120MxMA	TTL	TTL/TS	P2114	M58724P
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	P2114-2	M58724P-2
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	P2114-3	M58724P-3
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	D2114	M58724S
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	D2114-2	M58724S-2
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	D2114-3	M58724S-3
MIT	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	250TPMW	TTL	TTL/TS	D8308	M58730-XXXS
MIT	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	250TPMW	TTL	TTL/TS		M58730-001S
MIT	DIL-24/2C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	D8316A	M58731-XXXS
MIT	DIL-24/2C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS		M58731-001S
MIT	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	600TPMW	TTL	TTL/TS	C2708	M58732S
MIT	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	600TPMW	TTL	TTL/TS	C2708	M58732S-1
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	P8255	M58740P
MIT	DIL-40/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	C8255	M58740S
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	300TPMW	TTL	TTL		M58741P
MIT	DIL-40/2P	NMOS	0C/+70C	+5V	650TPMW	TTL	TTL	P8279	M58743P
MIT	DIL-40/2S	NMOS	0C/+70C	+5V	650TPMW	TTL	TTL	D8279	M58743S
MIT	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2102A-4	M58751P
MIT	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	C2102A-4	M58751S
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS4044-45NL	M58754P
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS4044-20NL	M58754P-2
MIT	DIL-18/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS4044-30NL	M58754P-3
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS4044-45JL	M58754S
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS4044-20JL	M58754S-2
MIT	DIL-18/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS4044-30JL	M58754S-3
MIT	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	P2107C	M58755P-1
MIT	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	P2107C	M58755P-2
MIT	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS		M58755P-3
MIT	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	D2107C	M58755S-1
MIT	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	D2107C	M58755S-2
MIT	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS		M58755S-3
MIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	D2104A-4	M58756S
MIT	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	280TPMW	TTL	TTL/TS	MK4116N-2	M58759P-15
MIT	DIL-16/1P	NMOS	0C/+70C		280TPMW	TTL	TTL/TS	MK4116N-3	M58759P-20
MIT	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	260TPMW	TTL	TTL/TS	MK4116N-4	M58759P-25
MIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	280TPMW	TTL	TTL/TS	MK4116P-2	M58759S-15
MIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116P-3	M58759S-20
MIT	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	260TPMW	TTL	TTL/TS	MK4116P-4	M58759S-25
MIT	DIL-42/2P	PMOS	-10C/+70C	-15V	250TPMW	TTL	TTL		M58840-XXP
MIT	DIL-64/2C	PMOS	-10C/+70C	-15V	250TPMW	TTL	TTL		M58842S
MIT	DIL-22/4C	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	C5101-1	M58980P
MIT	DIL-18/1C	CMOS	0C/+70C	+5V	75TPMW	TTL	TTL/TS		M58981S-45
INL	DIL-24/2Q	NMOS	-55C/+100C	+5V	105MXMA	TTL	TTL/TS	MD2716	MB2716
INL	DIL-22/4C	CMOS	-55C/+125C	+5V	168MXMW	TTL	TTL/TS		MB5101L-4
INL	DIL-22/4C	CMOS	-55C/+125C	+5V	168MXMW	TTL	TTL/TS		MB5101L4/B
INL	DIL-22/4C	CMOS	-55C/+125C	+5V	168MXMW	TTL	TTL/TS	MC5101L4/C	MB5101L4/C
INL	DIL-22/4C	CMOS	-55C/+125C	+5V	168MXMW	TTL	TTL/TS	MC5101L-4/MT	MB5101L4/MT
INL	DIL-22/4C	CMOS	-55C/+125C	+5V	168MXMW	TTL	TTL/TS		MB5101-4
FUJ	DIL-16/1C	ECL	0C/+75C	-5.2V	750MXMW	ECL	ECL	MCM10152L	MB7042
FUJ	DIL-16/1C	ECL	0C/+75C	-5.2V	700MXMW	ECL	ECL	MCM10146L	MB7042H
FUJ	DIL-16/1C	ECL	0C/+75C	-5.2V	520TPMW	ECL	ECL	MCM10147L	MB7047
FUJ	DIL-16/1C	BIP	0C/+75C	+5V	525MXMW	TTL	TTL/TS	IM5610CDE	MB7051
FUJ	DIL-16/1C	TTLB	0C/+75C	+5V	685MXMW	TTL	TTL/TS	IM5623CDE	MB7052
FUJ	DIL-16/1C	BIP	0C/+75C	+5V	735MXMW	TTL	TTL/TS	IM5624CDE	MB7053

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MB7054	PROM	4-BIT	4K=1024X4/MAX. ACCESS 70NS	GEN. PURP.
MB7055	PROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS	GEN. PURP.
MB7056	PROM	8-BIT	256=32X8/MAX. ACCESS 75NS/9 ADDRESS 1CE LINES	GEN. PURP.
MB7057	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MB7058	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/5X 4Y 1CE ADDRESS LINES	GEN. PURP.
MB7059	PROM	4-BIT	4K=1024X4/MAX. ACCESS 70NS	GEN. PURP.
MB7060	PROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS	GEN. PURP.
MB7067	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 35NS	GEN. PURP.
MB7072E	SRAM	4-BIT	1K=256X4/MAX. ACCESS 12NS	GEN. PURP.
MB7072N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 15NS	GEN. PURP.
MB7077	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 25NS	GEN. PURP.
MB8101A/B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MB8101A/C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MB8101A/MT	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MB8101E	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/ 5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MB8101N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/ 5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MB8102	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MB8107H	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MB8107N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MB8107Y	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MB8111E	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MB8111N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MB8112E	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 1CE ADDRESS LINES	8080
MB8112N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDRESS LINES	8080
MB8114E	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
MB8114EL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
MB8114H	SRAM	4-BIT	4K=1024X1/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	8080
MB8114N	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
MB8114NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
MB8116E	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDR. LINES	GEN. PURP.
MB8116H	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX. ADDR. LINES	GEN. PURP.
MB8116N	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX. ADDR. LINES	GEN. PURP.
MB8215E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 100NS	GEN. PURP.
MB8224E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 230NS/6 ADDRESS MULTIPLEXED 1CS 2 STROBES	F8
MB8224N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 280NS/6 ADDRESS MULTIPLEXED 1CS 2 STROBES	F8
MB8227E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MUX. ADDR. 1CS LINES/LO PWR STNDBY	GEN. PURP.
MB8227H	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MUX. ADDR. 1CS LINES/LO PWR STNDBY	GEN. PURP.
MB8227N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDR. 1CS LINES/LO PWR STNDBY	GEN. PURP.
MB8308E	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
MB8308N	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
MB8401E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 290NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
MB8401N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES/2V RETENTION	6100
MB8411E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 290NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
MB8411N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 2CS ADDRESS LINES/2V RETENTION	6100
MB8518E	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 650NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
MB8518H	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
MBM2115E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MBM2115H	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MBM2115N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 120NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MBM2115Y	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MBM2125E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MBM2125H	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MBM2125N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 120NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MBM2125Y	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MBM2716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CS ADDRESS LINES	8085/8080
MBM4044E	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MBM4044N	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MBM10410	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CS ADDRESS LINES	10800
MBM10415A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	10800
MBM10415AH	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 20NS/5X 5Y 1CS ADDRESS LINES	10800
MBM93415A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MBM93415AH	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 30NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MBM93419	SRAM	9-BIT	576=64X9/MAX. ACCESS 45NS/5X 1Y 1CS ADDRESS LINES/INVERTED O-P	GEN. PURP.
MC8T26AL	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER	6800
MC8T26AP	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER/MAX. DELAY 14NS	6800
MC8T26L	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER	6800
MC8T26P	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER	6800
MC8T28L	TRCVR	4-BIT	NON-INVERTING 3-STATE BUS TRANSCEIVER	6800
MC8T28P	TRCVR	4-BIT	NON-INVERTING 3-STATE BUS TRANSCEIVER	6800
MC8T95L	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/NON-INV./MAX. DELAY 12NS	6800
MC8T95P	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/NON-INV./MAX. DELAY 12NS	6800
MC8T96L	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
MC8T96P	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
MC8T97L	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/NON-INV./MAX. DELAY 12NS	6800
MC8T97P	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/NON-INV./MAX. DELAY 12NS	6800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FUJ	DIL-18/1C	TTLB	0C/+75C	+5V	685MXMW	TTL	TTL/TS		MB7054
FUJ	DIL-24/2C	BIP	0C/+75C	+5V	525MXMW	TTL	TTL/TS		MB7055
FUJ	DIL-16/1C	BIP	0C/+75C	+5V	525MXMW	TTL	TTL/OC	IM5600CDE	MB7056
FUJ	DIL-16/1C	TTLB	0C/+75C	+5V	685MXMW	TTL	TTL/OC	IM5603CDE	MB7057
FUJ	DIL-16/1C	BIP	0C/+75C	+5V	735MXMW	TTL	TTL/OC	IM5604	MB7058
FUJ	DIL-18/1C	TTLB	0C/+75C	+5V	685MXMW	TTL	TTL/OC	IM56S06	MB7059
FUJ	DIL-24/2C	BIP	0C/+75C	+5V	525MXMW	TTL	TTL/OC		MB7060
FUJ	DIL-22/4C	TTLB	0C/+70C	-5.2V	500TPMW	TTL	TTL/OC		MB7067
FUJ	DIL-22/4C	ECL	0C/+75C	-5.2V	620MXMW	ECL	ECL		MB7072E
FUJ	DIL-22/4C	ECL	0C/+75C	-5.2V	620MXMW	ECL	ECL		MB7072N
FUJ	DIL-22/4C	ECL	0C/+75C	-5.2V	500TPMW	ECL	ECL		MB7077
INL	DIL-22/4C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		MB8101A/B
INL	DIL-22/4C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		MB8101A/C
INL	DIL-22/4C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		MB8101A/MT
FUJ	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	C2101A-2	MB8101E
FUJ	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	C2101A-4	MB8101N
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2102A	MB8102
FUJ	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	680MXMW	TTL	TTL/TS	B2107B	MB8107H
FUJ	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	680MXMW	TTL	TTL/TS	B2107B-5	MB8107N
FUJ	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	760MXMW	TTL	TTL/TS	TMS4060-3JL	MB8107Y
FUJ	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2111A-2	MB8111E
FUJ	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2111A-4	MB8111N
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2112A-2	MB8112E
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2112A-4	MB8112N
FUJ	DIL-18/1-	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2114-2	MB8114E
FUJ	DIL-18/1-	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2114L-2	MB8114EL
FUJ	DIL-18/1-	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS		MB8114H
FUJ	DIL-18/1-	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2114-3	MB8114N
FUJ	DIL-18/1-	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2114L-3	MB8114NL
FUJ	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	460MXMW	TTL	TTL/TS	MK4116P-3	MB8116E
FUJ	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	460MXMW	TTL	TTL/TS	MK4116P-2	MB8116H
FUJ	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	460MXMW	TTL	TTL/TS	MK4116P-4	MB8116N
FUJ	DIL-22/4C	NMOS	0C/+70C	-5.2V/+7V/+12V	530MXMW	ECL	ECL		MB8215E
FUJ	DIL-16/1-	NMOS	0C/+70C	-5V/+5V/+12V	460MXMW	TTL	TTL/TS	40962DC	MB8224E
FUJ	DIL-16/1-	NMOS	0C/+70C	-5V/+5V/+12V	460MXMW	TTL	TTL/TS	40963DC	MB8224N
FUJ	DIL-16/1-	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027J-3	MB8227E
FUJ	DIL-16/1-	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027J-2	MB8227H
FUJ	DIL-16/1-	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027J-4	MB8227N
FUJ	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	775MXMW	TTL	TTL/TS		MB8308E
FUJ	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	775MXMW	TTL	TTL/TS	D2308	MB8308N
FUJ	DIL-16/1-	CMOS	0C/+75C	+5V	53MXuW	TTL	TTL/TS	IM6508-1ID	MB8401E
FUJ	DIL-16/1-	CMOS	0C/+75C	+5V	525MXuW	TTL	TTL/TS	IM6508ID	MB8401N
FUJ	DIL-18/1-	CMOS	0C/+75C	+5V	53MXuW	TTL	TTL/TS	IM6518-1ID	MB8411E
FUJ	DIL-18/1-	CMOS	0C/+75C	+5V	525MXuW	TTL	TTL/TS	IM6518ID	MB8411N
FUJ	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800TPMW	TTL	TTL/TS	D2708	MB8518E
FUJ	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800TPMW	TTL	TTL/TS	D2708	MB8518H
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	340MXMW	TTL	TTL/OD	D2115AL-2	MBM2115E
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	520MXMW	TTL	TTL/OD	D2115A-2	MBM2115H
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	340MXMW	TTL	TTL/OD	D2115AL-2	MBM2115N
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	660MXMW	TTL	TTL/OD	D2115A	MBM2115Y
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	340MXMW	TTL	TTL/TS	D2125AL-2	MBM2125E
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	520MXMW	TTL	TTL/TS	D2125A-2	MBM2125H
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	340MXMW	TTL	TTL/TS	D2125AL-2	MBM2125N
FUJ	DIL-16/1C	NMOS	0C/+70C	+5V	660MXMW	TTL	TTL/TS	D2125A	MBM2125Y
FUJ	DIL-24/2Q	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2716	MBM2716
FUJ	DIL-18/1-	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	TMS4044-20JL	MBM4044E
FUJ	DIL-18/1-	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	TMS4044-30JL	MBM4044N
FUJ	DIL-16/1C	ECL	0C/+75C	-5.2V	680MXMW	ECL	ECL	F10410DC	MBM10410
FUJ	DIL-16/1C	ECL	0C/+75C	-5.2V	780MXMW	ECL	ECL	F10415ADC	MBM10415A
FUJ	DIL-16/1C	ECL	0C/+75C	-5.2V	780MXMW	ECL	ECL		MBM10415AH
FUJ	DIL-16/1C	TTLB	0C/+75C	+5V	815MXMW	TTL	TTL/OC	93415DC	MBM93415A
FUJ	DIL-16/1C	TTLB	0C/+75C	+5V	815MXMW	TTL	TTL/OC	93415ADC	MBM93415AH
FUJ	DIL-28/2C	TTLB	0C/+75C	+5V	650TPMW	TTL	TTL/OC	93419DC	MBM93419
MTA	DIL-16/1C	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	NE8T26A	MC8T26AL
MTA	DIL-16/1P	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	NE8T26A	MC8T26AP
MTA	DIL-16/1C	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	N8T26F	MC8T26L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	N8T26B	MC8T26P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	NE8T28	MC8T28L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	NE8T28	MC8T28P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	MC6885L	MC8T95L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	MC6885P	MC8T95P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	MC6886L	MC8T96L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	MC6886P	MC8T96P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	MC6887L	MC8T97L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	MC6887P	MC8T97P

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MC8T98L	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
MC8T98P	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
MC68A00CL	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/1.5MHZ	6800
MC68A00CP	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/1.5MHZ	6800
MC68A00L	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/1.5MHZ	6800
MC68A00P	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/1.5MHZ	6800
MC68A09EL	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/EXTERNAL CLOCK/ 1.5MHZ	6809
MC68A09EP	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/EXTERNAL CLOCK/ 1.5MHZ	6809
MC68A09L	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/INTERNAL CLOCK/ 1.5MHZ	6809
MC68A09P	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/INTERNAL CLOCK/ 1.5MHZ	6809
MC68A21L	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
MC68A21P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
MC68A52CL	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSN. 6852	6800
MC68A52CP	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSN. 6852	6800
MC68A52L	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSN. 6852	6800
MC68A52P	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSN. 6852	6800
MC68A54CL	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
MC68A54CP	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
MC68A54L	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
MC68A54P	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
MC68B00L	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/2MHZ	6800
MC68B00P	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/2MHZ CLCK	6800
MC68B09EL	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/EXTERNAL CLOCK/ 2MHZ	6089
MC68B09EP	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/EXTERNAL CLOCK/ 2MHZ	6809
MC68B09L	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/EXTERNAL CLOCK/ 2MHZ	6809
MC68B09P	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/INTERNAL CLOCK/ 2MHZ	6809
MC68B21L	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
MC68B21P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
MC68B52L	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./2MHZ VERSN. 6852	6800
MC68B52P	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./2MHZ VERSN. 6852	6800
MC68B54L	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/2MHZ CLOCK FREQUENCY	6800
MC68B54P	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/2MHZ CLOCK FREQUENCY	6800
MC1488L	DRVR	4-BIT	QUAD EIA LINE DRIVER/RS232C-CCITT-V24	GEN. PURP.
MC1489	RCVR	4-BIT	QUAD EIA LINE RECEIVER/SINGLE ENDED/RS232C/PROGRAMM. THRESHOLD	GEN. PURP.
MC1489AL	RCVR	4-BIT	QUAD EIA LINE RECEIVER/SINGLE ENDED/RS232C/PROGRAMM. THRESHOLD	GEN. PURP.
MC1702A	EPROM	8-BIT	2K=256X8/MAX. ACCESS 850NS/8 ADDRESS LINES	GEN. PURP.
MC1702A/B	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/ 8 ADDRESS, 1CS LINES/ MIL STD. 883	GEN. PURP.
MC1702A/C	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS, 1CS LINES/MIL STD. 883	GEN. PURP.
MC1702A/MT	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/ 8 ADDRESS, 1CS LINES/MIL STD. 883	GEN. PURP.
MC2102A-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MC2102A-6	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MC2708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
MC2708/B	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MC2708/C	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MC2708/MT	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MC2901AFM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/12MHZ CLOCK/2900 FAM.	2900
MC2901ALC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/12MHZ CLOCK/2900 FAM.	2900
MC2901ALM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/12MHZ CLOCK/2900 FAM.	2900
MC2901LC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/9.5MHZ CLOCK/2900 FAM.	2900
MC2901LM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/9.5MHZ CLOCK/2900 FAM.	2900
MC2902FM	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
MC2902LC	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
MC2902LM	LAHCG	4-BIT	LOOK AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
MC2902PC	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
MC2903LC	CPEBS	4-BIT	MICROPROCESSOR 4-BIT SLICE/ARITHMETIC UNIT/16 REGS./MULT.-DIVIDE	2900
MC2903LM	CPEBS	4-BIT	MICROPROCESSOR 4-BIT SLICE/ARITHMETIC UNIT/16 REGS./MULT.-DIVIDE	2900
MC2905FM	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
MC2905LC	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
MC2905LM	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
MC2905PC	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
MC2906FM	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
MC2906LC	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
MC2906LM	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
MC2906PC	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
MC2907FM	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
MC2907LC	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
MC2907LM	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
MC2907PC	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
MC2909LC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
MC2909LM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
MC2909PC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
MC2910LC	MCU	12-BIT	MICROPROGRAM CONTROLLER FOR 2901/ADDRESS SEQUENCER	2900
MC2910LM	MCU	12-BIT	MICROPROGRAM CONTROLLER FOR 2901/ADDRESS SEQUENCER	2900
MC2911FM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
MC2911LC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MTA	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	MC6888L	MC8T98L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	MC6888P	MC8T98P
MTA	DIL-40/2C	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL/TS	MC68A00CP	MC68A00CL
MTA	DIL-40/2P	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL/TS	MC68A00CL	MC68A00CP
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MC68A00C	MC68A00L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MC68A00C	MC68A00P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC68A09EP	MC68A09EL
MTA	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	MC68A09EL	MC68A09EP
MTA	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC68A09P	MC68A09L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	MC68A09L	MC68A09P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68A21P	MC68A21L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68A21L	MC68A21P
MTA	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC68A52CP	MC68A52CL
MTA	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC68A52CL	MC68A52CP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68A52P	MC68A52L
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68A52L	MC68A52P
MTA	DIL-28/2C	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC68A54CP	MC68A54CL
MTA	DIL-28/2P	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC68A54CL	MC68A54CP
MTA	DIL-28/1C	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68A54P	MC68A54L
MTA	DIL-28/2P	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68A54L	MC68A54P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MC68B00C	MC68B00L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MC68B00L	MC68B00P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC68B09EP	MC68B09EL
MTA	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	MC68B09EL	MC68B09EP
MTA	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC68B09P	MC68B09L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	MC68B09L	MC68B09P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68B21P	MC68B21L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68B21L	MC68B21P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68B52P	MC68B52L
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68B52L	MC68B52P
MTA	DIL-28/2C	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68B54P	MC68B54L
MTA	DIL-28/2P	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68B54L	MC68B54P
ADM	DIL-14/1C		0C/+70C	-9V/+9V			+-6/9V		MC1488L
ADM	DIL-14/1C		0C/+70C	+5V		0.75V/1.5V			MC1489
ADM	DIL-14/1C		0C/+70C	+5V		0.75V/1.5V			MC1489AL
INL	DIL-24/2Q	PMOS	-55C/+125C	-9V/+5V	50MXMA	TTL	TTL/TS	MK3702-2T	MC1702A
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS		MC1702A/B
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS		MC1702A/C
INL	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS		MC1702A/MT
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS	D2102A-4	MC2102A-4
ADM	DIL-16/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS	D2102A-6	MC2102A-6
INL	DIL-24/2Q	NMOS	-55C/+100C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS		MC2708
INL	DIL-24/2Q	NMOS	-55C/+100C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS		MC2708/B
INL	DIL-24/2Q	NMOS	-55C/+100C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS		MC2708/C
INL	DIL-24/2Q	NMOS	-55C/+100C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS		MC2708/MT
MTA	FLP-42/5P	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS	AM2901AFM	MC2901AFM
MTA	DIL-40/2C	LSTB	0C/+70C	+5V	280MXMA	TTL	TTL/TS	AM2901ADC	MC2901ALC
MTA	DIL-40/2C	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS	AM2901ADM	MC2901ALM
MTA	DIL-40/2C	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS	MC2901ALC	MC2901LC
MTA	DIL-40/2C	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS	MC2901ALM	MC2901LM
MTA	FLP-16/3C	BIP	-55C/+125C	+5V	99MXMA	TTL	TTL	AM2902FM	MC2902FM
MTA	DIL-16/1C	BIP	0C/+70C	+5V	94MXMA	TTL	TTL	AM2902DC	MC2902LC
MTA	DIL-16/1C	BIP	-55C/+125C	+5V	99MXMA	TTL	TTL	AM2902DM	MC2902LM
MTA	DIL-16/1P	BIP	0C/+70C	+5V	94MXMA	TTL	TTL	AM2902PC	MC2902PC
MTA	DIL-48/2C	STLB	0C/+70C	+5V		TTL	TTL	AM2903PC	MC2903LC
MTA	DIL-48/2C	STLB	-55C/+125C	+5V		TTL	TTL	AM2903DM	MC2903LM
MTA	FLP-24/4C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS	AM2905FM	MC2905FM
MTA	DIL-24/2C	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/TS	AM2905DC	MC2905LC
MTA	DIL-24/2C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS	AM2905DM	MC2905LM
MTA	DIL-24/2P	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/TS	AM2905PC	MC2905PC
MTA	FLP-24/4C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	AM2906FM	MC2906FM
MTA	DIL-24/2C	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	AM2906DC	MC2906LC
MTA	DIL-24/2C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	AM2906DM	MC2906LM
MTA	DIL-24/2P	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	AM2906PC	MC2906PC
MTA	FLP-20/4C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC+TS	AM2907FM	MC2907FM
MTA	DIL-20/1C	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL/OC+TS	AM2907DC	MC2907LC
MTA	DIL-20/1C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC+TS	AM2907DM	MC2907LM
MTA	DIL-20/1P	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL/OC+TS	AM2907PC	MC2907PC
MTA	DIL-28/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2909DC	MC2909LC
MTA	DIL-28/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM2909DM	MC2909LM
MTA	DIL-28/2P	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2909PC	MC2909PC
MTA	DIL-40/2C	TTLB	0C/+70C	+5V		TTL	TTL	AM2910DC	MC2910LC
MTA	DIL-40/2C	TTLB	-55C/+125C	+5V		TTL	TTL	AM2910DM	MC2910LM
MTA	FLP-20/3C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM2911FM	MC2911FM
MTA	DIL-20/1C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2911DC	MC2911LC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MC2911LM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2901
MC2911PC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
MC2915AFM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPROVED MC2915FM	2900
MC2915ALC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPROVED MC2915LC	2900
MC2915ALM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPROVED MC2915LM	2900
MC2915APC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPROVED MC2915PC	2900
MC2915LC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
MC2915LM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
MC2916AFM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPVD. MC2916FM	2900
MC2916ALC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPVD. MC2916LC	2900
MC2916ALM	UART	4-	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPVD. MC2916LM	2900
MC2916APC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPVD. MC2916PC	2900
MC2916LC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
MC2916LM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
MC2917AFM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPVD. MC2917FM	2900
MC2917ALC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPVD. MC2917LC	2900
MC2917ALM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPVD. MC2917LM	2900
MC2917APC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/IMPVD. MC2917PC	2900
MC2917LC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
MC2917LM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
MC2918FM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
MC2918LC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
MC2918LM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
MC2918PC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
MC3232AL	DMI	.	DRAM ADDRESS MUX AND REFRESH COUNTER (EG 2104 AND 4027)	GEN. PURP.
MC3232AP	DMI	.	DRAM ADDRESS MUX AND REFRESH COUNTER (EG 2104 AND 4027)	GEN. PURP.
MC3242AL	DMI	.	ADDRESS MUX AND REFRESH COUNTER FOR 16K DRAMS (EG 2116 AND 4116)	GEN. PURP.
MC3242AP	DMI	.	ADDRESS MUX AND REFRESH COUNTER FOR 16K DRAMS (EG 2116 AND 4116)	GEN. PURP.
MC3245L	LVLSH	4-BIT	QUAD TTL-TO-MOS DRIVER	GEN. PURP.
MC3245P	LVLSH	4-BIT	QUAD TTL-TO-MOS DRIVER	GEN. PURP.
MC3446P	TRCVR	4-BIT	QUAD INTERFACE BUS TRANSCEIVER/IEE STD 488/HP-1B BUS-COMPATIBLE	GEN. PURP.
MC3448AL	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH TERMINATION NETWORKS	GEN. PURP.
MC3448AP	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH TERMINATION NETWORKS	GEN. PURP.
MC3449L	EXPIO	8-BIT	TRIPLE BI-DIRECTIONAL BUS EXTENDER SWITCH/=MC6881L	6800
MC3449P	EXPIO	8-BIT	TRIPLE BI-DIRECTIONAL BUS EXTENDER SWITCH/=MC6881P	6800
MC3459L	DRVR	4-BIT	QUAD NMOS-MEMORY ADDRESS LINE DRIVER	GEN. PURP.
MC3459P	DRVR	4-BIT	QUAD NMOS-MEMORY ADDRESS LINE DRIVER	GEN. PURP.
MC3460L	CLOCK	4-BIT	GATE-CONTROLLED MOS CLOCK DRIVER FOR NMOS RAM/13V VDD1/17V VDD2	GEN. PURP.
MC3460P	CLOCK	4-BIT	GAT-CONTROLLEDD MOS CLOCK DRIVER FOR NMOS RAM/13V VDD1/17V VDD2	GEN. PURP.
MC3466L	CLOCK	4-BIT	GATE-CONTROLLED MOS CLOCK DRIVER FOR NMOS RAM/18V VDD1/22V VDD2	GEN. PURP.
MC3466P	CLOCK	4-BIT	GATE-CONTROLLED MOS CLOCK DRIVER FOR NMOS RAM/18V VDD1/22V VDD2	GEN. PURP.
MC3480L	MEMCT	.	MEMORY CONTROLLER FOR 16-PIN 4K OR 16K DYNAMIC MOS RAMS	6800
MC3480P	MEMCT	.	MEMORY CONTROLLER FOR 16-PIN 4K OR 16K DYNAMIC MOS RAMS	6800
MC3482AL	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 8NS	6800
MC3482AP	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 8NS	6800
MC3482BL	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 12NS	6800
MC3482BP	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 12NS	6800
MC3870L	MICTR	8-BIT	1-CHIP MICROCONTROLLER/64X8 RAM/2048X8 PROM/32 IO/INT.TIMER	3870
MC3870P	MICTR	8-BIT	1-CHIP MICROCONTROLLER/64X8 RAM/2048X8 PROM/32 IO/INT.TIMER	3870
MC5101L-4/B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MC5101L-4/C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MC5101L-4/MT	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MC6800BQCS	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/MIL STD883P	6800
MC6800CL	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/1MHZ CLOCK	6800
MC6800CP	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)	6800
MC6800CQCS	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/MIL STD883C	6800
MC6800L	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/1MHZ	6800
MC6800P	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/1MHZ	6800
MC6801L	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 128X8 RAM- 2048X8 ROM- 34 IO LINES	6801
MC6801P	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 128X8 RAM- 2048X8 ROM- 34IO LINES	6801
MC6802L	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHIP SYSTM	6802
MC6802P	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHIP SYSTM	6802
MC6803L	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 128X8 RAM- 34 IO/ROMLESS 6801/INT. CLK	6801
MC6803P	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 128X8 RAM- 34 IO/ROMLESS 6801/INT. CLK	6801
MC6803EL	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 128X8 RAM- 34 IO/ROMLESS 6801/EXT. CLK	6801
MC6803EP	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 128X8 RAM-34 IO/ROMLESS 6801/EXT. CLK	6801
MC6809EL	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/EXTERNAL CLOCK/ 1MHZ	6809
MC6809EP	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/EXTERNAL CLOCK/ 1MHZ	6809
MC6809L	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/INTERNAL CLOCK/ 1MHZ	6809
MC6809P	MPU	8-BIT	1-CHIP MICROPROCESSOR/ENHANCED MC6800/INTERNAL CLOCK/ 1MHZ	6809
MC6820L	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAMILY (APP. B)	6800
MC6820P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAMILY (APP. B)	6800
MC6821L	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
MC6821P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
MC6828L	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER/	6800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MTA	DIL-20/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM2911DM	MC2911LM
MTA	DIL-20/1P	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2911C	MC2911PC
MTA	FLP-24/3C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL		MC2915AFM
MTA	DIL-24/2C	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL		MC2915ALC
MTA	DIL-24/2C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL		MC2915ALM
MTA	DIL-24/2P	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL		MC2915APC
MTA	DIL-24/2C	LSTB	0C/+70C	+5V	90MXMA	TTL	TTL	AM2915DC	MC2915LC
MTA	DIL-24/2C	LSTB	-55C/+125C	+5V	90MXMA	TTL	TTL	AM2915DM	MC2915LM
MTA	FLP-24/3C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL		MC2916AFM
MTA	DIL-24/2C	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL		MC2916ALC
MTA	DIL-24/2C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL		MC2916ALM
MTA	DIL-24/2C	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL		MC2916APC
MTA	DIL-24/2C	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	AM2916DC	MC2916LC
MTA	DIL-24/2C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL	AM2916DM	MC2916LM
MTA	FLP-20/3C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL		MC2917AFM
MTA	DIL-20/1C	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL		MC2917ALC
MTA	DIL-20/1C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL		MC2917ALM
MTA	DIL-20/1P	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL		MC2917APC
MTA	DIL-20/1C	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL	AM2917DC	MC2917LC
MTA	DIL-20/1C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL	AM2917DM	MC2917LM
MTA	FLP-16/3C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM2918FM	MC2918FM
MTA	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2918DC	MC2918LC
MTA	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM2918DM	MC2918LM
MTA	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2918PC	MC2918PC
MTA	DIL-24/2C	STLB	0C/+75C	+5V	90MXMA	TTL	TTL	MC3232AP	MC3232AL
MTA	DIL-24/2P	STLB	0C/+75C	+5V	90MXMA	TTL	TTL	MC3232AL	MC3232AP
MTA	DIL-28/2C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL	D3242	MC3242AL
MTA	DIL-28/2P	STLB	0C/+75C	+5V	110MXMA	TTL	TTL	MC3242AL	MC3242AP
MTA	DIL-16/1C	STLB	0C/+75C	+5V/+12V	485MXMW	TTL	MOS	D3245	MC3245L
MTA	DIL-16/1P	STLB	0C/+75C	+5V/+12V	485MXMW	TTL	MOS	D3245	MC3245P
MTA	DIL-16/1P	TTLB	0C/+70C	+5V	40MXMA	TTL	TTL		MC3446P
MTA	DIL-16/1C	TTLB	0C/+70C	+5V	125MXMA	TTL	TTL/TS		MC3448AL
MTA	DIL-16/1P	TTLB	0C/+70C	+5V	125MXMA	TTL	TTL/TS		MC3448AP
MTA	DIL-16/1C	STLB	0C/+75C	+5V	70MXMA	TTL	TTL/TS	MC6881L	MC3449L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	70MXMA	TTL	TTL/TS	MC6881P	MC3449P
MTA	DIL-14/1C	TTLB	0C/+70C	+5V	122MXMA	TTL	TTL		MC3459L
MTA	DIL-14/1P	TTLB	0C/+70C	+5V	122MXMA	TTL	TTL		MC3459P
MTA	DIL-16/1C		0C/+70C	+5V/+5V/+12V	250MXMW	TTL	TTL	MC3466L	MC3460L
MTA	DIL-16/1P		0C/+70C	+5V/+5V/+12V	250MXMW	TTL	TTL	MC3466P	MC3460P
MTA	DIL-16/1C		0C/+70C	+5V/+15V/+17V	250MXMW	TTL	TTL		MC3466L
MTA	DIL-16/1C		0C/+70C	+5V/+12V/+17V	250MXMW	TTL	TTL		MC3466P
MTA	DIL-24/2C	STLB	0C/+70C	+5V	70MXMA	TTL	TTL		MC3480L
MTA	DIL-24/2P	STLB	0C/+70C	+5V	70MXMA	TTL	TTL		MC3480P
MTA	DIL-20/1C	STLB	0C/+75C	+5V	125MXMA	TTL	TTL/TS	MC6882AL	MC3482AL
MTA	DIL-20/1P	STLB	0C/+75C	+5V	125MXMA	TTL	TTL/TS	MC6882AP	MC3482AP
MTA	DIL-20/1C	STLB	0C/+75C	+5V	125MXMA	TTL	TTL/TS	MC6882BL	MC3482BL
MTA	DIL-20/1P	STLB	0C/+75C	+5V	125MXMA	TTL	TTL/TS	MC6882BP	MC3482BP
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	275TPMW	TTL	TTL	MC3870P	MC3870L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	275TPMW	TTL	TTL	MC3870L	MC3870P
INL	DIL-22/4C	CMOS	-55C/+125C	+5V	168MXMW	TTL	TTL/TS	MB5101L-4/B	MC5101L-4/B
INL	DIL-22/4C	CMOS	-55C/+125C	+5V	168MXMW	TTL	TTL/TS	MB5101L-4/C	MC5101L-4/C
INL	DIL-22/4C	CMOS	-55C/+125C	+5V	168MXMW	TTL	TTL/TS	MB5101L-4/MT	MC5101L-4/MT
MTA	DIL-40/2C	NMOS	-55C/+125C	+5V	1MXW	TTL	TTL/TS		MC6800BQCS
MTA	DIL-40/2C	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL/TS	MC6800CP	MC6800CL
MTA	DIL-40/2P	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL/TS	MC6800CL	MC6800CP
MTA	DIL-40/2C	NMOS	-55C/+125C	+5V	1MXW	TTL	TTL/TS		MC6800CQCS
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	S6800	MC6800L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	S6800-IT	MC6800P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC6801P	MC6801L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	MC6801L	MC6801P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	F6802L	MC6802L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	F6802	MC6802P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC6803P	MC6803L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	MC6803P	MC6803P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC6803EL	MC6803EL
MTA	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC6803EL	MC6803EP
MTA	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC6809EP	MC6809EL
MTA	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	MC6809EL	MC6809EP
MTA	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC6809P	MC6809L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	MC6809L	MC6809P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	F6820(CER)	MC6820L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	F6820(PLS)	MC6820P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC6821P	MC6821L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC6821L	MC6821P
MTA	DIL-24/2C	TTLB	0C/+75C	+5V	125MXMA	TTL	TTL	MC8507L	MC6828L

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MC6828P	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER	6800
MC6840L	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM. (APP. B)	6800
MC6840P	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM. (APP. B)	6800
MC6843L	FLPDC	8-BIT	FLOPPY DISK CONTROLLER/IBM3740 FORMAT	6800
MC6843P	FLPDC	8-BIT	FLOPPY DISK CONTROLLER/IBM3740 FORMAT	6800
MC6844L	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER	6800
MC6844P	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER	6800
MC6845L	CRTC	8-BIT	CRT CONTROLLER	6800
MC6845P	CRTC	8-BIT	CRT CONTROLLER	6800
MC6846L	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/COMPLEMENTS 6802 MPU	6802
MC6846P	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/COMPLEMENTS 6802 MPU	6800
MC6847L	VDUC	8-BIT	VIDEO DISPLAY GENERATOR/NON-INTERLACE MODE	6800
MC6847P	VDUC	8-BIT	VIDEO DISPLAY GENERATOR/NON-INTERLACE MODE	6800
MC6847YL	VDUC	8-BIT	VIDEO DISPLAY GENERATOR/INTERLACE MODE	6800
MC6847YP	VDUC	8-BIT	VIDEO DISPLAY GENERATOR/INTERLACE MODE	6800
MC6850CL	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAM. (APP. B)	6800
MC6850CP	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAM. (APP. B)	6800
MC6850L	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAMILY(APP.B)	6800
MC6850P	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAMILY(APP.B)	6800
MC6852BJCS	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAMILY/MIL STD883B/1MHZ	6800
MC6852CJCS	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAMILY/MIL STD883C/1MHZ	6800
MC6852CL	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSN 6852	6800
MC6852CP	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSN. 6852	6800
MC6852L	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSN. 6852	6800
MC6852P	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSN. 6852	6800
MC6854BQCS	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/MIL STD 883/1MHZ VERSION	6800
MC6854CL	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
MC6854CP	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
MC6854CQCS	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/MIL STD 883/1MHZ CLOCK FREQUENCY	6800
MC6854L	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
MC6854P	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
MC6860CL	MODEM	8-BIT	DIGITAL MODEM FOR 6800 FAMILY (APP. B)/0-600BPS	6800
MC6860L	MODEM	8-BIT	DIGITAL MODEM FOR 6800 FAMILY (APP. B)/0-600BPS	6800
MC6860P	MODEM	8-BIT	DIGITAL MODEM FOR 6800 FAMILY (APP. B)/0-600BPS	6800
MC6862CL	MODEM	8-BIT	2400 BPS DIGITAL MODULATOR FOR 6800 FAMILY (APP. B)	6800
MC6862L	MODEM	8-BIT	2400 BPS DIGITAL MODULATOR FOR 6800 FAMILY (APP. B)	6800
MC6862P	MODEM	8-BIT	2400 BPS DIGITAL MODULATOR FOR 6800 FAMILY (APP. B)	6800
MC6870A	CLOCK	.	CLOCK FOR 6800 FAMILY (APP. B)/LIMITED FUNCTION	6800
MC6871A	CLOCK	.	CLOCK FOR 6800 FAMILY (APP. B)/FULL FUNCTION INC. MEMORY CLOCK	6800
MC6871B	CLOCK	.	CLOCK FOR 6800 FAMILY (APP. B)/ALTERNATE FUNCTION	6800
MC6875L	CLOCK	.	2-PHASE CLOCK GENERATOR-DRIVER	6800
MC6875P	CLOCK	.	2-PHASE CLOCK GENERATOR-DRIVER	6800
MC6880AL	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER/MAX. DELAY 14NS	6800
MC6880AP	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER/MAX. DELAY 14NS	6800
MC6880L	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER	6800
MC6880P	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER/MAX. DELAY 14NS	6800
MC6881L	EXPIO	8-BIT	TRIPLE BI-DIRECTIONAL BUS EXTENDER SWITCH/=MC3449	6800
MC6881P	EXPIO	8-BIT	TRIPLE BI-DIRECTIONAL BUS EXTENDER SWITCH/=MC3449	6800
MC6882AL	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 8NS	6800
MC6882AP	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 8NS	6800
MC6882BL	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 12NS	6800
MC6882BP	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 12NS	6800
MC6885L	BUFFR	8-BIT	HEX 3-STATE BUFFER/NON-INV./MAX. DELAY 12NS	6800
MC6885P	BUFFR	8-BIT	HEX 3-STATE BUFFER/NON-INVERTING/MAX. DELAY 12NS	6800
MC6886L	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
MC6886P	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
MC6887L	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/NON-INV./MAX. DELAY 12NS	6800
MC6887P	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/NON-INV./MAX. DELAY 12NS	6800
MC6888L	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
MC6888P	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
MC6889L	TRCVR	4-BIT	NON-INVERTING 3-STATE BUS TRANSCEIVER	6800
MC6889P	TRCVR	4-BIT	NON-INVERTING 3-STATE BUS TRANSCEIVER	6800
MC8080A/B	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAM./MIN. CLOCK PERIOD 480NS/MIL STD 883	8080
MC8080A/C	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAM./MIN. CLOCK PERIOD 480NS/MIL STD 883	8080
MC8080A/MT	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAM./MIN. CLOCK PERIOD 480NS/MIL STD 883	8080
MC8251/B	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. TRANSCEIVER/MIL STD 883	8080
MC8251/C	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. TRANSCEIVER/MIL STD 883	8080
MC8251/MT	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. TRANSCEIVER/MIL STD 883	8080
MC8255/B	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM.	8080-9080
MC8255/C	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM.	8080-9080
MC8316A/B	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/7X 4Y 3CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MC8316A/C	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/7X 4Y 3CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MC8316A/MT	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/7X 4Y 3CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MC8507L	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER	6800
MC8507P	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER	6800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MTA	DIL-24/2C	.	0C/+75C	+5V	125MXMA	TTL	TTL	MC8507P	MC6828P
MTA	DIL-28/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	F6840	MC6840L
MTA	DIL-28/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	F6840	MC6840P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL	MC6843P	MC6843L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL	MC6843L	MC6843P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL	MC6844P	MC6844L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL	MC6844L	MC6844P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	MC6845P	MC6845L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	MC6845P	MC6845P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	F6846P	MC6846L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	F6846	MC6846P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	.	TTL	TTL	MC6847P	MC6847L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	.	TTL	TTL	MC6847L	MC6847P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	.	TTL	TTL	MC6847YP	MC6847YL
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	.	TTL	TTL	MC6847YL	MC6847YP
MTA	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS	MC6850CP	MC6850CL
MTA	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS	MC6850CL	MC6850CP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	S6850-2L	MC6850L
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMA	TTL	TTL/TS	S6850-1W	MC6850P
MTA	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS	.	MC6852BJCS
MTA	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS	.	MC6852CJCS
MTA	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC6852CP	MC6852CL
MTA	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC6852CL	MC6852CP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	S6852C	MC6852L
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	F6852	MC6852P
MTA	DIL-28/2C	NMOS	-55C/+125C	+5V	850MXMW	TTL	TTL	.	MC6854BQCS
MTA	DIL-28/2C	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC6854CP	MC6854CL
MTA	DIL-28/2P	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC6854CP	MC6854CP
MTA	DIL-28/2C	NMOS	-55C/+125C	+5V	850MXMW	TTL	TTL	.	MC6854CQCS
MTA	DIL-28/2C	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	F6854L	MC6854L
MTA	DIL-28/2P	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	F6854	MC6854P
MTA	DIL-24/2C	NMOS	-40C/+80C	+5V	65MXMA	TTL	TTL	.	MC6860CL
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL	S6860-2L	MC6860L
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL	S6860-1W	MC6860P
MTA	DIL-24/2C	NMOS	-40C/+85C	+5V	60MXMA	TTL	TTL	.	MC6862CL
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL	MC6862P	MC6862L
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL	MC6862L	MC6862P
MTA	DIM-10	NMOS	0C/+70C	+5V	100MXMA	.	NMOS+TTL	.	MC6870A
MTA	DIM-10	STLB	0C/+70C	+5V	100MXMA	.	MOS+TTL	SFF96871A	MC6871A
MTA	DIM-10	STLB	0C/+70C	+5V	100MXMA	.	MOS+TTL	SFF96871B	MC6871B
MTA	DIL-16/1C	STLB	0C/+70C	+5V	150MXMA	.	TTL	SFF96875K	MC6875L
MTA	DIL-16/1P	STLB	0C/+70C	+5V	150MXMA	TTL	TTL	SFF96875E	MC6875P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	MC8T26AL	MC6880AL
MTA	DIL-16/1C	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	MC8T26AP	MC6880AP
MTA	DIL-16/1C	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	MC6880P	MC6880L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	MC6880L	MC6880P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	70MXMA	TTL	TTL/TS	MC3449L	MC6881L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	70MXMA	TTL	TTL/TS	MC3449P	MC6881P
MTA	DIL-20/1C	STLB	0C/+75C	+5V	125MXMA	TTL	TTL/TS	MC3482AL	MC6882AL
MTA	DIL-20/1P	STLB	0C/+75C	+5V	125MXMA	TTL	TTL/TS	MC3482AP	MC6882AP
MTA	DIL-20/1C	STLB	0C/+75C	+5V	125MXMA	TTL	TTL/TS	MC3482BL	MC6882BL
MTA	DIL-20/1P	STLB	0C/+75C	+5V	125MXMA	TTL	TTL/TS	MC3482BP	MC6882BP
MTA	DIL-16/1C	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	SFF96885K	MC6885L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	SFF96885E	MC6885P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	SFF96886K	MC6886L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	SFF96886E	MC6886P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	MC8T97L	MC6887L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	MC8T97P	MC6887P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	SFF96888K	MC6888L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	SFF96888E	MC6888P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	SFF96889K	MC6889L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	SFF96889E	MC6889P
MTA	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	.	MC8080A/B
MTA	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	.	MC8080A/C
MTA	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	.	MC8080A/MT
INL	DIL-28/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL	MD8251/B	MC8251/B
INL	DIL-28/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL	MD8251/C	MC8251/C
INL	DIL-28/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL	MD8251/MT	MC8251/MT
INL	DIL-40/2C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL	.	MC8255/B
INL	DIL-40/2C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL	.	MC8255/C
INL	DIL-24/2C	NMOS	-55C/+125C	+5V	98MXMA	TTL	TTL/TS	.	MC8316A/B
INL	DIL-24/2C	NMOS	-55C/+125C	+5V	98MXMA	TTL	TTL/TS	.	MC8316A/C
INL	DIL-24/2C	NMOS	-55C/+125C	+5V	98MXMA	TTL	TTL/TS	.	MC8316A/MT
MTA	DIL-24/2C	TTLB	0C/+75C	+5V	125MXMA	TTL	TTL	MC6828L	MC8507L
MTA	DIL-24/2P	TTLB	0C/+75C	+5V	125MXMA	TTL	TTL	MC6828P	MC8507P

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MC8702A/B	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.3uS/8 ADDRESS 1CS LINES/MIL STD 883	8080
MC8702A/C	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.3uS/8 ADDRESS 1CS LINES/MIL STD 883	8080
MC8702A/MT	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.3uS/8 ADDRESS 1CS LINES/MIL STD 883	8080
MC8708/B	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 3Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MC8708/C	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 3Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MC8708/MT	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 3Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MC10800	CPEBS	4-BIT	4-BIT ALU (ARITHMETIC LOGIC UNIT) SLICE	10800
MC10801	MCU	4-BIT	MICROPROGRAM CONTROL UNIT	10800
MC10802L	CLOCK	4-BIT	TIMING FUNCTION/PROGRAMMABLE 1-4 PHASES	10800
MC10803	MEMCT	4-BIT	MEMORY INTERFACE FUNCTION	10800
MC10804L	TRCVR	4-BIT	ECL/TTL INVERTING BIDIRECTIONAL TRANSCEIVERS WITH LATCH	10800
MC10805L	TRCVR	5-BIT	ECL/TTL INVERTING BIDIRECTIONAL TRANSCEIVERS WITH LATCH	10800
MC10806	RAMIO	9-BIT	288=32X9/DUAL ACCESS STACK FOR 10800 FAMILY	10800
MC10807L	TRCVR	5-BIT	5-BIT BIDIRECTIONAL BUS TRANSCEIVER	10800
MC10808	SPECL	16-BIT	PROGRAMMABLE 16-BIT SHIFTER FUNCTION	10800
MC14500BAL	MICTR	1-BIT	1-BIT INDUSTRIAL MICROCONTROL UNIT/ON-CHIP CLOCK	14500
MC14500BCL	MICTR	1-BIT	1-BIT INDUSTRIAL MICROCONTROL UNIT/ON-CHIP CLOCK	14500
MC14500BCP	MICTR	1-BIT	1-BIT INDUSTRIAL MICROCONTROL UNIT/ON-CHIP CLOCK	14500
MC29100LC	FPLA	8-BIT	6144=16X48X8/FIELD PROGRAMMABLE LOGIC ARRAY/MAX. ACCESS 50NS	2900
MC29100LM	FPLA	8-BIT	6144=16X48X8/FIELD PROGRAMMABLE LOGIC ARRAY/MAX. ACCESS 50NS	2900
MC29101LC	FPLA	8-BIT	6144=16X48X8/FIELD PROGRAMMABLE LOGIC ARRAY/MAX. ACCESS 50NS	2900
MC29101LM	FPLA	8-BIT	6144=16X48X8/FIELD PROGRAMMABLE LOGIC ARRAY/MAX. ACCESS 50NS	2900
MC68488L	IFACE	8-BIT	GENERAL PURPOSE INTERFACE ADAPTER (IEEE488 BUS TO MC6800 BUS)	6800
MC68488P	IFACE	8-BIT	GENERAL PURPOSE INTERFACE ADAPTER (IEEE488 BUS TO MC6800 BUS)	6800
MC82100LC	FPLA	8-BIT	6144=16X48X8/FIELD PROGRAMMABLE LOGIC ARRAY/MAX. ACCESS 50NS	2901
MC82100LM	FPLA	8-BIT	6144=16X48X8/FIELD PROGRAMMABLE LOGIC ARRAY/MAX. ACCESS 50NS	2901
MC82101LC	FPLA	8-BIT	6144=16X48X8/FIELD PROGRAMMABLE LOGIC ARRAY/MAX. ACCESS 50NS	2901
MC82101LM	FPLA	8-BIT	6144=16X48X8/FIELD PROGRAMMABLE LOGIC ARRAY/MAX. ACCESS 50NS	2901
MC141000L	MICMP	4-BIT	1-CHIP MICROCOMPUTER/64X4 RAM/1024X8 ROM/INT. OSC./600KHZ	TMS1000C
MC141000P	MICMP	4-BIT	1-CHIP MICROCOMPUTER/64X4 RAM/1024X8 ROM/INT. OSC./600KHZ	TMS1200C
MC141200L	MICMP	4-BIT	1-CHIP MICROCOMPUTER/64X4 RAM/1024X8 ROM/INT. OSC./600KHZ	TMS1200C
MC141200P	MICMP	4-BIT	1-CHIP MICROCOMPUTER/64X4 RAM/1024X8 ROM/INT. OSC./600KHZ	TMS1200C
MCC2901C	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/9.5MHZ CLOCK	2900
MCC2902C	LAHCG	4-BIT	LOOK-AHEAD CARRY GENERATOR/FOR 4 2901 ALUS	2900
MCC2905C	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
MCC2906C	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
MCC2907C	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
MCC2909C	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
MCC2911C	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
MCC2915C	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
MCC2916C	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
MCC2917C	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
MCC2918C	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
MCM21L14-20C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES/LOW POWER	4040
MCM21L14-20P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES/LOW POWER	4040
MCM21L14-25C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES/LOW POWER	4040
MCM21L14-25P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES/LOW POWER	4040
MCM21L14-30C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES/LOW POWER	4040
MCM21L14-30P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES/LOW POWER	4040
MCM21L14-45C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES/LOW POWER	4040
MCM21L14-45P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES/LOW POWER	4040
MCM27A08L	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
MCM27A16	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
MCM66L41-20P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	6800
MCM66L41-20C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	6800
MCM66L41-25C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	6800
MCM66L41-25P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	6800
MCM66L41-30C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	6800
MCM66L41-30P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	6800
MCM66L41-45C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	6800
MCM66L41-45P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	6800
MCM68A10CL	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 6800	68A00
MCM68A10CP	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 6800	68A00
MCM68A10L	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 6800	68A00
MCM68A10P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 6800	68A00
MCM68A30AC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/10 ADDRESS 4CS LINES	68A00
MCM68A30AP	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/10 ADDRESS 2CS LINES	68A00
MCM68A308C	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/10 ADDRESS 2CS LINES	68A00
MCM68A308P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/10 ADDRESS 2CS LINES	68A00
MCM68A316AC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	3080
MCM68A316AP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	8080
MCM68A316EC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	68A00
MCM68A316EP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	68A00
MCM68A332C	MROM	8-BIT	32K=4096X8/MAX. ACCESS 350NS/12 ADDRESS 2CS LINES	68A00
MCM68A332P	MROM	8-BIT	32K=4096X8/MAX. ACCESS 350NS/12 ADDRESS 2CS LINES	68A00

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-24/2Q	PMOS	-55C/+125C	+12V	540MXMW	TTL	TTL		MC8702A/B
INL	DIL-24/2Q	PMOS	-55C/+125C	+12V	540MXMW	TTL	TTL		MC8702A/C
INL	DIL-24/2Q	PMOS	-55C/+125C	+12V	540MXMW	TTL	TTL		MC8702A/MT
INL	DIL-24/2Q	NMOS	-55C/+125C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS		MC8708/B
INL	DIL-24/2Q	NMOS	-55C/+125C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS		MC8708/C
INL	DIL-24/2Q	NMOS	-55C/+125C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS		MC8708/MT
MTA	QIL-48/1C	ECL	-30C/+85C	-5.2V/-2V	1.63MXW	ECL	ECL		MC10800
MTA	QIL-48/1C	ECL	-30C/+85C	-5.2V/-2V	1.58MXW	ECL	ECL		MC10801
MTA	DIL-24/2C	ECL	-30C/+85C	-5.2V	735MXMW	ECL	ECL		MC10802L
MTA	QIL-48/1C	ECL	-30C/+85C	-5.2V/-2V	1.6TPW	ECL	ECL		MC10803
MTA	DIL-16/1C	ECL	-30C/+85C	-5.2V/+5V	900TPMW	ECL(TTL)	TTL(ECL)		MC10804L
MTA	DIL-20/1C	ECL	-30C/+85C	-5.2V/+5V	900TPMW	ECL(TTL)	TTL(ECL)		MC10805L
MTA	QIL-48/1C	ECL	-30C/+85C	-5.2V	1.7TPW	ECL	ECL		MC10806
MTA	DIL-16/1C	ECL	-30C/+85C	-5.2V	450TPMW	ECL	ECL		MC10807L
MTA	QIL-48/1C	ECL	-30C/+85C	-5.2V	1.8TPW	ECL	ECL		MC10808
MTA	DIL-16/1C	CMOS	-55C/+125C	+5(3/18)V	150MXuA	TTL	TTL		MC14500BAL
MTA	DIL-16/1C	CMOS	-40C/+85C	+5(3/18)V	150MXuA	TTL	TTL		MC14500BCL
MTA	DIL-16/1P	CMOS	-40C/+85C	+5(3/18)V	150MXuA	TTL	TTL		MC14500BCP
MTA	DIL-28/2C	TTLB	0C/+70C	+5V	600TPMW	TTL	TTL/TS	N82S100I	MC29100LC
MTA	DIL-28/2C	TTLB	-55C/+125C	+5V	600TPMW	TTL	TTL/TS	S82S100I	MC29100LM
MTA	DIL-28/2C	TTLB	0C/+70C	+5V	600TPMW	TTL	TTL/OC	N82S101I	MC29101LC
MTA	DIL-28/2C	TTLB	-55C/+125C	+5V	600TPMW	TTL	TTL/OC	S82S101I	MC29101LM
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	F68488L	MC68488L
MTA	DIL-40/2P	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	F68488P	MC68488P
MTA	DIL-28/2C	TTLB	0C/+70C	+5V	600TPMW	TTL	TTL/TS	N82S100I	MC82100LC
MTA	DIL-28/2C	TTLB	-55C/+125C	+5V	600TPMW	TTL	TTL/TS	S82S100I	MC82100LM
MTA	DIL-28/2C	TTLB	0C/+70C	+5V	600TPMW	TTL	TTL/OC	N82S101I	MC82101LC
MTA	DIL-28/2C	TTLB	-55C/+125C	+5V	600TPMW	TTL	TTL/OC	S82S101I	MC82101LM
MTA	DIL-28/2C	CMOS	-40C/+85C	+5(3/6)V	2.5TPMW	TTL	TTL	TMS1000C	MC141000L
MTA	DIL-28/2P	CMOS	-40C/+85C	+5(3/6)V	2.5TPMW	TTL	TTL	TMS1000C	MC141000P
MTA	DIL-40/2C	CMOS	-55C/+85C	+5(3/6)V	2.5TPMW	TTL	TTL	TMS1200C	MC141200L
MTA	DIL-40/2P	CMOS	-55C/+85C	+5(3/6)V	2.5TPMW	TTL	TTL	TMS1200C	MC141200P
MTA	CHP	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS	AM2901XC	MCC2901C
MTA	CHP	BIP	0C/+70C	+5V	94MXMA	TTL	TTL		MCC2902C
MTA	CHP	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/TS	AM2905XC	MCC2905C
MTA	CHP	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	AM2906XC	MCC2906C
MTA	CHP	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL/OC+TS	AM2907XC	MCC2907C
MTA	CHP	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2909XC	MCC2909C
MTA	CHP	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2911XC	MCC2911C
MTA	CHP	LSTB	0C/+70C	+5V	90MXMA	TTL	TTL	AM2915XC	MCC2915C
MTA	CHP	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	AM2916XC	MCC2916C
MTA	CHP	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL	AM2917XC	MCC2917C
MTA	CHP	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2918XC	MCC2918C
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2114L-2	MCM21L14-20C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2114L-2	MCM21L14-20P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2114L-2	MCM21L14-25C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2114L-2	MCM21L14-25P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2114L-3	MCM21L14-30C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2114L-3	MCM21L14-30P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2114L-4	MCM21L14-45C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2114L-4	MCM21L14-45P
MTA	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	D2708-1	MCM27A08L
MTA	DIL-24/2Q	NMOS	0C/+70C	+5V	105MXMA	TTL	TTL/TS	D2716-1	MCM27A16
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL/TS	TMS4044-20PL	MCM66L41-20P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL/TS	TMS4044-20JL	MCM66L41-20C
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL/TS	TMS4044-20JL	MCM66L41-25C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL/TS	TMS4044-20JL	MCM66L41-25P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL/TS	TMS4044-30JL	MCM66L41-30C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	385MXMA	TTL	TTL/TS	TMS4044-30NL	MCM66L41-30P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL/TS	TMS4044-45JL	MCM66L41-45C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL/TS	TMS4044-45PL	MCM66L41-45P
MTA	DIL-24/2C	NMOS	-45C/+85C	+5V	100MXMA	TTL	TTL/TS	MCM68A10CP	MCM68A10CL
MTA	DIL-24/2P	NMOS	-45C/+85C	+5V	100MXMA	TTL	TTL/TS	MCM68A10CL	MCM68A10CP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	F6810-1	MCM68A10L
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	F6810-1	MCM68A10P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM68B30AC	MCM68A30AC
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM68B30AP	MCM68A30AP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM68B308C	MCM68A308C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM68B308P	MCM68A308P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	MCM68A316AP	MCM68A316AC
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	MCM68A316AC	MCM68A316AP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	SFF968A316EK	MCM68A316EC
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	SFF968A316EE	MCM68A316EP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68A332P	MCM68A332C
MTA	MIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68A332C	MCM68A332P

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MCM68A364C	MROM	8-BIT	64K=8192X8/MAX. ACCESS 350NS/13 ADDRESS 1CE LINES	68A00
MCM68A364P	MROM	8-BIT	64K=8192X8/MAX. ACCESS 350NS/13 ADDRESS 1CE LINES	68A00
MCM68A708L	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	6800
MCM68B10L	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 6800	68B00
MCM68B10P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 6800	68B00
MCM68B30AC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/10 ADDRESS 4CS LINES	68B00
MCM68B30AP	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/10 ADDRESS 4CS LINES	68B00
MCM68B308C	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/10 ADDRESS 2CS LINES	68B00
MCM68B308P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 250NS/10 ADDRESS 2CS LINES	68B00
MCM68B364C	MROM	8-BIT	64K=8192X8/MAX. ACCESS 250NS/13 ADDRESS 1CE LINES	68B00
MCM68B364P	MROM	8-BIT	64K=8192X8/MAX. ACCESS 250NS/13 ADDRESS 1CE LINES	68B00
MCM2114-20C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	4040
MCM2114-20P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	4040
MCM2114-25C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	4040
MCM2114-25P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	4040
MCM2114-30C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	4040
MCM2114-30P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	4040
MCM2114-45C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	4040
MCM2114-45P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	4040
MCM2147-55C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/6X 6Y 1-POWER-DOWN ADDRESS LINES	GEN. PURP.
MCM2147-55P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/6X 6Y 1-POWER-DOWN ADDRESS LINES	GEN. PURP.
MCM2147-70C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1-POWER-DOWN ADDRESS LINES	GEN. PURP.
MCM2147-70P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1-POWER-DOWN ADDRESS LINES	GEN. PURP.
MCM2147-85C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 85NS/6X 6Y 1-POWER-DOWN ADDRESS LINES	GEN. PURP.
MCM2147-85P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 85NS/6X 6Y 1-POWER-DOWN ADDRESS LINES	GEN. PURP.
MCM2147-100C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 100NS/6X 6Y 1-POWER-DOWN ADDRESS LINES	GEN. PURP.
MCM2147-100P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 100NS/6X 6Y 1-POWER-DOWN ADDRESS LINES	GEN. PURP.
MCM2708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
MCM2708L	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
MCM2716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
MCM4027AC1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 120NS/6 MULTIPLEXED,1CS ADDRESS LINES	GEN. PURP.
MCM4027AC2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MULTIPLEXED,1CS ADDRESS LINES	GEN. PURP.
MCM4027AC3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MULTIPLEXED,1CS ADDRESS LINES	GEN. PURP.
MCM4027AC4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED,1CS ADDRESS LINES	GEN. PURP.
MCM4027AL1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 120NS/6 MULTIPLEXED,1CS ADDRESS LINES	GEN. PURP.
MCM4027AL2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MULTIPLEXED,1CS ADDRESS LINES	GEN. PURP.
MCM4027AL3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MULTIPLEXED,1CS ADDRESS LINES	GEN. PURP,
MCM4027AL4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED,1CS ADDRESS LINES	GEN. PURP.
MCM4027AL4BECS	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/MIL STD 883B VERSION OF MCM4027A	GEN. PURP.
MCM4027AL4CECS	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/MIL STD 883C VERSION OF MCM4027A	GEN. PURP.
MCM4064L	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4X 1CE ADDRESS LINES	2900
MCM4096C11	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MCM4096C16	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MCM4096C6	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MCM4096L11	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MCM4096L16	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MCM4096L6	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MCM4116C-15	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MCM4116C-20	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MCM4116C-25	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MCM4116C-30	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MCM4116L-15	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MCM4116L-20	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MCM4116L-25	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MCM4116L-30	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MCM4364L	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4X 1CE ADDRESS LINES	2900
MCM5003AL	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6X 2CE ADDRESS LINES	2900
MCM5003L	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6X 2CE ADDRESS LINES	2900
MCM5004AL	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6X 2CE ADDRESS LINES	2900
MCM5004L	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6X 2CE ADDRESS LINES	2900
MCM5303AL	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6X 2CE ADDRESS LINES	2900
MCM5303L	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6X 2CE ADDRESS LINES	2900
MCM5304AL	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6X 2CE ADDRESS LINES	2900
MCM5304L	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6X 2CE ADDRESS LINES	2900
MCM6560L	MROM	4/8BIT	8K=2048X4 OR 1024X8/MAX. ACCESS 350NS/7X 4Y 2CS ADDRESS LINES	GEN. PURP.
MCM6560P	MROM	4/8BIT	8K=2048X4 OR 1024X8/MAX. ACCESS 350NS/7X 4Y 2CS ADDRESS LINES	GEN. PURP.
MCM6561L	CDCVR	8-BIT	8K=1024X8 MROM/PREPROGRAMMED ASCII-HOLLERITH 8BIT-SELECTRIC CVTR	GEN. PURP.
MCM6561P	CDCVR	8-BIT	8K=1024X8 MROM/PREPROGRAMMED ASCII-HOLLERITH 8BIT-SELECTRIC CVTR	GEN. PURP.
MCM6562L	CDCVR	8-BIT	8K=1024X8 MROM/PREPROGRAMMED ASCII-HOLLERITH 8BIT-SELECTRIC CVTR	GEN. PURP.
MCM6562P	CDCVR	8-BIT	8K=1024X8 MROM/PREPROGRAMMED ASCII-HOLLERITH 8BIT-SELECTRIC CVTR	GEN. PURP.
MCM6570L	CHRGN	7X9BIT	8192-BIT MROM/7 ADDRESS LINES/HORIZONTAL SCAN CHARACTER GENERTR.	GEN. PURP.
MCM6570P	CHRGN	7X9BIT	8192-BIT MROM/7 ADDRESS LINES/HORIZONTAL SCAN CHARACTER GENERTR.	GEN. PURP.
MCM6571AL	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6571AP	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6571L	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68A364P	MCM68A364C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68A364C	MCM68A364P
MTA	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708-1	MCM68A708L
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM68B10P	MCM68B10L
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM68B10L	MCM68B10P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM68B30AP	MCM68B30AC
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM68B30AC	MCM68B30AP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM68B308P	MCM68B308C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM68B308C	MCM68B308P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68B364P	MCM68B364C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68B364C	MCM68B364P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	D2114-2	MCM2114-20C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	P2114-2	MCM2114-20P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	D2114-2	MCM2114-25C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	P2114-2	MCM2114-25P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	D2114-3	MCM2114-30C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	P2114-3	MCM2114-30P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	D2114-4	MCM2114-45C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	P2114-4	MCM2114-45P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL/TS	D2147-3	MCM2147-55C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL/TS	D2147-3	MCM2147-55P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	D2147-3	MCM2147-70C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	D2147-3	MCM2147-70P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL/TS	D2147	MCM2147-85C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL/TS	D2147	MCM2147-85P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	D2147	MCM2147-100C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	D2147	MCM2147-100P
MTA	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708	MCM2708
MTA	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	D2708	MCM2708L
MTA	DIL-24/2Q	NMOS	0C/+70C	+5V	105MXMA	TTL	TTL/TS	D2716	MCM2716
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		MCM4027AC1
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-2	MCM4027AC2
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-3	MCM4027AC3
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-4	MCM4027AC4
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		MCM4027AL1
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-2	MCM4027AL2
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-3	MCM4027AL3
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	MK4027P-4	MCM4027AL4
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		MCM4027AL4BECS
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS		MCM4027AL4CECS
MTA	DIL-16/1C	STLB	0C/+85C	+5V	105MXMA	TTL	TTL		MCM4064L
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	500TPMW	TTL	TTL/TS	MK4096P-11	MCM4096C11
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	500TPMW	TTL	TTL/TS	MK4096P16	MCM4096C16
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	500TPMW	TTL	TTL/TS	MK4096P-6	MCM4096C6
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	500TPMW	TTL	TTL/TS	MK4096P-11	MCM4096L11
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	500TPMW	TTL	TTL/TS	MK4096P16	MCM4096L16
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	500TPMW	TTL	TTL/TS	MK4096P-6	MCM4096L6
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-2	MCM4116C-15
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-2	MCM4116C-20
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-4	MCM4116C-25
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-4	MCM4116C-30
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-2	MCM4116L-15
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-2	MCM4116L-20
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-4	MCM4116L-25
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS	MK4116P-4	MCM4116L-30
MTA	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL		MCM4364L
MTA	DIL-24/2C	TTLB	0C/+70C	+5V	95MXMA	TTL	TTL/OC	MCM5003L	MCM5003AL
MTA	DIL-24/2C	TTLB	0C/+70C	+5V	95MXMA	TTL	TTL/OC	MCM5003AL	MCM5C03L
MTA	DIL-24/2C	TTLB	0C/+70C	+5V	120MXMA	TTL	TTL	MCM5004L	MCM5004AL
MTA	DIL-24/2C	TTLB	0C/+70C	+5V	120MXMA	TTL	TTL	MCM5004AL	MCM5004L
MTA	DIL-24/2C	TTLB	-55C/+125C	+5V	95MXMA	TTL	TTL/OC	MCM5303L	MCM5303AL
MTA	DIL-24/2C	TTLB	-55C/+125C	+5V	95MXMA	TTL	TTL/OC	MCM5303AL	MCM5303L
MTA	DIL-24/2C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL	MCM5304L	MCM5304AL
MTA	DIL-24/2C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL	MCM5304AL	MCM5304L
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	1MXMW	TTL	TTL/TS	MCM6560P	MCM6560L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	1MXW	TTL	TTL/TS	MCM6560L	MCM6560P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	1MXW	TTL	TTL/TS	MC6561P	MCM6561L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	1MXW	TTL	TTL/TS	MCM6561L	MCM6561P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	1MXW	TTL	TTL/TS	MCM6562P	MCM6562L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	1MXW	TTL	TTL/TS	MCM6562L	MCM6562P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6570P	MCM6570L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6570L	MCM6570P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6571AP	MCM6571AL
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6571AP	MCM6571AP
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6571P	MCM6571L

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MCM6571P	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6572L	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6572P	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6573L	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6573P	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6574L	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6574P	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6575L	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6575P	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6576L	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6576P	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6577L	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6577P	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6578L	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6578P	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP
MCM6579L	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6579P	CHRGN	7X9BIT	8192-BIT MROM/HOR. SCAN GENR./SPEC. CHAR. SET/PREPROGRAMMED 6570	GEN. PURP.
MCM6580L	CHRGN	7X9BIT	8192-BIT MROM/7 ADDRESS LINES/VERTICAL SCAN CHARACTER GENERATOR	GEN. PURP.
MCM6580P	CHRGN	7X9BIT	8192-BIT MROM/7 ADDRESS LINES/VERTICAL SCAN CHARACTER GENERATOR	GEN. PURP.
MCM6581L	CHRGN	7X9BIT	8192-BIT MROM/VERT. SCAN GEN./SPEC. CHAR. SET/PREPROGRAMMED 6580	GEN. PURP.
MCM6581P	CHRGN	7X9BIT	8192-BIT MROM/VERT. SCAN GEN./SPEC. CHAR. SET/PREPROGRAMMED 6580	GEN. PURP.
MCM6583L	CHRGN	7X9BIT	8192-BIT MROM/VERT. SCAN GEN./SPEC. CHAR. SET/PREPROGRAMMED 6580	GEN. PURP.
MCM6583P	CHRGN	7X9BIT	8192-BIT MROM/VERT. SCAN GEN./SPEC. CHAR. SET/PREPROGRAMMED 6580	GEN. PURP.
MCM6590L	MROM	8-BIT	16K=2048X8/MAX. ACCESS 800NS/7X 4Y 1CS ADDRESS LINES/OP WIRED-OR	GEN. PURP.
MCM6591L	MROM	8-BIT	16K=2048X8/PREPROGRAMMED 6590/ASCII-SELECTRIC-ETC CODE CONVERSN.	GEN. PURP.
MCM6604AC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MULTIPLEXED ADDRESS 1CS LINES	6800
MCM6604AC2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS 1CS LINES	6800
MCM6604AC4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 425NS/6 MULTIPLEXED ADDRESS 1CS LINES	6800
MCM6604AL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MULTIPLEXED ADDRESS 1CS LINES	6800
MCM6604AL2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS 1CS LINES	6800
MCM6604AL4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 425NS/6 MULTIPLEXED ADDRESS 1CS LINES	6800
MCM6604L	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 ADDRESS MULTIPLEXED 1CS LINES	6800
MCM6604L2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS MULTIPLEXED 1CS LINES	6800
MCM6604L4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS MULTIPLEXED 1CS LINES	6800
MCM6604P	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 ADDRESS MULTIPLEXED 1CS LINES	6800
MCM6604P2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS MULTIPLEXED 1CS LINES	6800
MCM6604P4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS MULTIPLEXED 1CS LINES	6800
MCM6605AL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/8 ADDRESS 4 REFRESH 1CS LINES	6800
MCM6605AL1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/8 ADDRESS 4 REFRESH 1CS LINES	6800
MCM6605AL2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/8 ADDRESS 4 REFRESH 1CS LINES	6800
MCM6605AL4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/8 ADDRESS 4 REFRESH 1CS LINES	6800
MCM6605AP	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/8 ADDRESS 4 REFRESH 1CS LINES	6800
MCM6605AP1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/8 ADDRESS 4 REFRESH 1CS LINES	6800
MCM6605AP2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/8 ADDRESS 4 REFRESH 1CS LINES	6800
MCM6605AP4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/8 ADDRESS 4 REFRESH 1CS LINES	6800
MCM6641-20P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	6800
MCM6641-20C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	6800
MCM6641-25C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	6800
MCM6641-25P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	6800
MCM6641-30C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	6800
MCM6641-30P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	6800
MCM6641-45C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	6800
MCM6641-45P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	6800
MCM6670L	MROM	5X7BIT	4480=128X5X7/7X 3Y 1CS ADDRESS LINES/HOR. SCAN CHAR. GENERATOR	GEN. PURP.
MCM6670P	MROM	5X7BIT	4480=128X5X7/7X 3Y 1CS ADDRESS LINES/HOR. SCAN CHAR. GENERATOR	GEN. PURP.
MCM6674L	CHRGN	5X7BIT	4480=128X5X7/ HOR. SCAN CHAR. GEN./PREPROGRAMMED 6670	GEN. PURP.
MCM6674P	CHRGN	5X7BIT	4480=128X5X7/ HOR. SCAN CHAR. GEN./PREPROGRAMMED 6670	GEN. PURP.
MCM6810AL	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES	6800
MCM6810AL1	SRAM	8-BIT	1K=128X8/MAX. ACCESS 350NS/7 ADDRESS 6CS LINES	6800
MCM6810AP	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES	6800
MCM6810AP1	SRAM	8-BIT	1K=128X8/MAX. ACCESS 350NS/7 ADDRESS 6CS LINES	6800
MCM6810BJCS	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
MCM6810CJCS	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
MCM6810CL	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
MCM6810CP	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
MCM6810L	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
MCM6810L1	SRAM	8-BIT	1K=128X8/MAX. ACCESS 1uS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
MCM6810P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
MCM6830AL	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 4CS LINES	6800
MCM6830AP	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 4CS LINES	6800
MCM6830L	MROM	8-BIT	8K=1024X8/MAX. ACCESS 575NS/10 ADDRESS 4CS LINES	6800
MCM6830L7	MROM	8-BIT	MIKBUG/DIAGNOSTIC DEBUG PROGRAM AND SYSTEM MONITOR/MINIBUG 1	6800
MCM6832C	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 1CS ADDRESS LINES	6800
MCM6832L	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/7X 4Y 3CS ADDRESS LINES	6800
MCM6832P	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/7X 4Y 3CS ADDRESS LINES	6800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6571L	MCM6571P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6572P	MCM6572L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6572L	MCM6572P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6573P	MCM6573L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6573L	MCM6573P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6574P	MCM6574L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6574L	MCM6574P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6575P	MCM6575L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6575L	MCM6575P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6576P	MCM6576L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6576L	MCM6576P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6577P	MCM6577L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6577L	MCM6577P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6578P	MCM6578L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6578L	MCM6578P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6579P	MCM6579L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6579L	MCM6579P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6580P	MCM6580L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6580L	MCM6580P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6581P	MCM6581L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6581L	MCM6581P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6583P	MCM6583L
MTA	DIL-24/2P	NMOS	0C/+70C	-3V/+5V/+12V	800MXMW	TTL	TTL	MCM6583L	MCM6583P
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	405MXMW	TTL	TTL	. .	MCM6590L
MTA	DIL-24/2C	NMOS	0C/+70C	-3V/+5V/+12V	405MXMW	TTL	TTL	. .	MCM6591L
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096P-11	MCM6604AC
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096P-6	MCM6604AC2
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096P-15	MCM6604AC4
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096P-11	MCM6604AL
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096P-6	MCM6604AL2
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096P-15	MCM6604AL4
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096P-11	MCM6604L
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096P-16	MCM6604L2
MTA	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096-77	MCM6604L4
MTA	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096-11	MCM6604P
MTA	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096-6	MCM6604P2
MTA	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	630MXMW	TTL	TTL/TS	MK4096N-6	MCM6604P4
MTA	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	S6605A-1C	MCM6605AL
MTA	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	. .	MCM6605AL1
MTA	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	. .	MCM6605AL2
MTA	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	. .	MCM6605AL4
MTA	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	S6605A-1C	MCM6605AP
MTA	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	MCM6605AL1	MCM6605AP1
MTA	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	MCM6605AL2	MCM6605AP2
MTA	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	MCM6605AL1	MCM6605AP4
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	TMS4044-20NL	MCM6641-20P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	TMS4044-20JL	MCM6641-20C
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	TMS4044-20JL	MCM6641-25C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	TMS4044-20NL	MCM6641-25P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	TMS4044-30JL	MCM6641-30C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	TMS4044-30NL	MCM6641-30P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	TMS4044-45JL	MCM6641-45C
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	550	TTL	TTL/TS	TMS4044-45PL	MCM6641-45P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL	MCM6670P	MCM6670L
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL	MC6670L	MCM6670P
MTA	DIL-18/1C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL	MCM6674P	MCM6674L
MTA	DIL-18/1P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL	MCM6674L	MCM6674P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MCM6810AL1	MCM6810AL
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	. .	MCM6810AL1
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MCM6810AP1	MCM6810AP
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	. .	MCM6810AP1
MTA	DIL-24/2C	NMOS	-55C/+125C	+5V	80MXMA		TTL/TS	. .	MCM6810BJCS
MTA	DIL-24/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL/TS	. .	MCM6810CJCS
MTA	DIL-24/2C	NMOS	-45C/+85C	+5V	80MXMA	TTL	TTL/TS	MCM6810CP	MCM6810CL
MTA	DIL-24/2P	NMOS	-45C/+85C	+5V	80MXMA	TTL	TTL/TS	MCM6810CL	MCM6810CP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	F6810	MCM6810L
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	F6810	MCM6810L1
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	F6810	MCM6810P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	S6830-2L	MCM6830AL
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	S6830-2L	MCM6830AP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	S6830-1W	MCM6830L
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	SFF96830K7	MCM6830L7
MTA	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	530MXMW	TTL	TTL/TS	MCM6832L	MCM6832C
MTA	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	530MXMW	TTL	TTL/TS	MCM6832P	MCM6832L
MTA	DIL-24/2P	NMOS	0C/+70C	-5V/+5V/+12V	530MXMW	TTL	TTL/TS	MCM6832L	MCM6832P

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MCM7620DC	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1CS LINES	2900
MCM7620DM	PROM	4-BIT	2K=512X4/MAX. ACCESS 85NS/9 ADDRESS 1CS LINES	2900
MCM7621DC	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1CS LINES	2900
MCM7621DM	PROM	4-BIT	2K=512X4/MAX. ACCESS 85NS/9 ADDRESS 1CS LINES	2900
MCM7640DC	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES	2900
MCM7640DM	PROM	8-BIT	4K=512X8/MAX. ACCESS 85NS/9 ADDRESS 4CS LINES	2900
MCM7640L	PROM	8-BIT	4K=512X8/TYP. ACCESS 40NS/9 ADDRESS 4CS LINES	2900
MCM7640P	PROM	8-BIT	4K=512X8/TYP. ACCESS 40NS/9 ADDRESS 4CS LINES	2900
MCM7641DC	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES	2900
MCM7641DM	PROM	8-BIT	4K=512X8/MAX. ACCESS 85NS/9 ADDRESS 4CS LINES	2900
MCM7641L	PROM	8-BIT	4K=512X8/TYP. ACCESS 40NS/9 ADDRESS 4CS LINES	2900
MCM7641P	PROM	8-BIT	4K=512X8/TYP. ACCESS 40NS/9 ADDRESS 4CS LINES	2900
MCM7642DC	PROM	4-BIT	4K=1024X4/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES	2900
MCM7642DM	PROM	4-BIT	4K=1024X4/MAX. ACCESS 85NS/9 ADDRESS 4CS LINES	2900
MCM7642L	PROM	4-BIT	4K=1024X4/TYP. ACCESS 40NS/10 ADDRESS 2CS LINES	2900
MCM7642P	PROM	4-BIT	4K=1024X4/TYP. ACCESS 40NS/10 ADDRESS 2CS LINES	2900
MCM7643DC	PROM	4-BIT	4K=1024X4/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES	2900
MCM7643DM	PROM	4-BIT	4K=1024X4/MAX. ACCESS 85NS/9 ADDRESS 4CS LINES	2900
MCM7643L	PROM	4-BIT	4K=1024X4/TYP. ACCESS 40NS/10 ADDRESS 2CS LINES	2900
MCM7643P	PROM	4-BIT	4K=1024X4/TYP. ACCESS 40NS/10 ADDRESS 2CS LINES	2900
MCM7660L	PROM	8-BIT	8K=1024X8/TYP. ACCESS 40NS/9 ADDRESS 4CS LINES	2900
MCM7660P	PROM	8-BIT	8K=1024X8/TYP. ACCESS 40NS/9 ADDRESS 4CS LINES	2900
MCM7661L	PROM	8-BIT	8K=1024X8/TYP. ACCESS 40NS/9 ADDRESS 4CS LINES	2900
MCM7661P	PROM	8-BIT	8K=1024X8/TYP. ACCESS 40NS/9 ADDRESS 4CS LINES	2900
MCM7680DC	PROM	8-BIT	8K=1024X8/MAX. ACCESS 70NS/10 ADDRESS 4CS LINES	2900
MCM7680DM	PROM	8-BIT	8K=1024X8/MAX. ACCESS 85NS/10 ADDRESS 4CS LINES	2900
MCM7681DC	PROM	8-BIT	8K=1024X8/MAX. ACCESS 70NS/10 ADDRESS 4CS LINES	2900
MCM7681DM	PROM	8-BIT	8K=1024X8/MAX. ACCESS 85NS/10 ADDRESS 4CS LINES	2900
MCM10139F	PROM	8-BIT	256=32X8/MAX. ACCESS 15NS/5 ADDRESS 1CS LINES	GEN. PURP.
MCM10139L	PROM	8-BIT	256=32X8/MAX. ACCESS 15NS/5 ADDRESS 1CS LINES	GEN. PURP.
MCM10143L	SRAM	2-BIT	16=8X2/MULTIPORT REGISTER FILE (RAM)/2 SET OF EIGHT LATCHES	GEN. PURP.
MCM10144F	SRAM	1-BIT	256=256X1/MAX. ACCESS 26NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
MCM10144L	SRAM	1-BIT	256=256X1/MAX. ACCESS 26NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
MCM10145F	SRAM	4-BIT	64=16X4/MAX. ACCESS 15NS/4 ADDRESS 1CS LINES	GEN. PURP.
MCM10145L	SRAM	4-BIT	64=16X4/MAX. ACCESS 15NS/4 ADDRESS 1CS LINES	GEN. PURP.
MCM10146F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 7NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MCM10146L	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 7NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MCM10147F	SRAM	1-BIT	128=128X1/MAX. ACCESS 15NS/4X 3Y 2CS ADDRESS LINES	GEN. PURP.
MCM10147L	SRAM	1-BIT	128=128X1/MAX. ACCESS 15NS/4X 3Y 2CS ADDRESS LINES	GEN. PURP.
MCM10148F	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS/3X 3Y 2CS ADDRESS LINES	GEN. PURP.
MCM10148L	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS/3X 3Y 2CS ADDRESS LINES	GEN. PURP.
MCM10149F	PROM	4-BIT	1K=256X4/MAX. ACCESS 10NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
MCM10149L	PROM	4-BIT	1K=256X4/MAX. ACCESS 10NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
MCM10152F	SRAM	1-BIT	256=256X1/MAX. ACCESS 15NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
MCM10152L	SRAM	1-BIT	256=256X1/MAX. ACCESS 15NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
MCM10539F	PROM	8-BIT	256=32X8/MAX. ACCESS 20NS/5 ADDRESS 1CS LINES	GEN. PURP.
MCM10539L	PROM	8-BIT	256=32X8/MAX. ACCESS 20NS/5 ADDRESS 1CS LINES	GEN. PURP.
MCM10544F	SRAM	1-BIT	256=256X1/MAX. ACCESS 26NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
MCM10544L	SRAM	1-BIT	256=256X1/MAX. ACCESS 26NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
MCM10545F	SRAM	4-BIT	64=16X4/MAX. ACCESS 18NS/4 ADDRESS 1CS LINES	GEN. PURP.
MCM10545L	SRAM	4-BIT	64=16X4/MAX. ACCESS 18NS/4 ADDRESS 1CS LINES	GEN. PURP.
MCM10546F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 9NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MCM10546L	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 9NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MCM10547F	SRAM	1-BIT	128=128X1/MAX. ACCESS 20NS/4X 3Y 2CS ADDRESS LINES	GEN. PURP.
MCM10547L	SRAM	1-BIT	128=128X1/MAX. ACCESS 20NS/4X 3Y 2CS ADDRESS LINES	GEN. PURP.
MCM10548F	SRAM	1-BIT	64=64X1/MAX. ACCESS 20NS/3X 3Y 2CS ADDRESS LINES	GEN. PURP.
MCM10548L	SRAM	1-BIT	64=64X1/MAX. ACCESS 20NS/3X 3Y 2CS ADDRESS LINES	GEN. PURP.
MCM10549F	PROM	4-BIT	1K=256X4/MAX. ACCESS 12NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
MCM10549L	PROM	4-BIT	1K=256X4/MAX. ACCESS 12NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
MCM10552F	SRAM	1-BIT	256=256X1/MAX. ACCESS 20NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
MCM10552L	SRAM	1-BIT	256=256X1/MAX. ACCESS 20NS/5X 3Y 3CS ADDRESS LINES	GEN. PURP.
MCM14505BAL	SRAM	1-BIT	64=64X1/MAX. ACCESS 750NS/6 ADDRESS 2CE LINES	14500
MCM14505BCL	SRAM	1-BIT	64=64X1/MAX. ACCESS 750NS/6 ADDRESS 2CE LINES	14500
MCM14505BCP	SRAM	1-BIT	64=64X1/MAX. ACCESS 750NS/6 ADDRESS 2CE LINES	14500
MCM14524AL	MROM	4-BIT	1K=256X4/MAX. ACCESS 4uS/5X 3Y ADDRESS LINES/OUTPUT LATCHES	14500
MCM14524CL	MROM	4-BIT	1K=256X4/MAX. ACCESS 4uS/5X 3Y ADDRESS LINES/OUTPUT LATCHES	14500
MCM14524CP	MROM	4-BIT	1K=256X4/MAX. ACCESS 4uS/5X 3Y ADDRESS LINES/OUTPUT LATCHES	14500
MCM14537AL	SRAM	1-BIT	256=256X1/MAX. ACCESS 6uS/8 ADDRESS 2CE LINES	14500
MCM14537CL	SRAM	1-BIT	256=256X1/MAX. ACCESS 6uS/8 ADDRESS 2CE LINES	14500
MCM14537CP	SRAM	1-BIT	256=256X1/MAX. ACCESS 6uS/8 ADDRESS 2CE LINES	14500
MCM14552AL	SRAM	4-BIT	256=64X4/MAX. ACCESS 6uS/6 ADDRESS 3CE LINES	14500
MCM14552CL	SRAM	4-BIT	256=64X4/MAX. ACCESS 6uS/6 ADDRESS 3CE LINES	14500
MCM14552CP	SRAM	4-BIT	256=64X4/MAX. ACCESS 6uS/6 ADDRESS 3CE LINES	14500
MCM66700C	MROM	7X9BIT	8192=128X7X9/7X 4Y 4CS ADDRESS LINES/HOR. SCAN CHAR. GEN./350NS	GEN. PURP.
MCM66700P	MROM	7X9BIT	8192=128X7X9/7X 4Y 4CS ADDRESS LINES/HOR. SCAN CHAR. GEN./350NS	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MTA	DIL-16/1C	TTLB	0C/+70C	+5V	100MXMA	TTL	TTL/OC	6305-1J	MCM7620DC
MTA	DIL-16/1C	TTLB	-55C/+125C	+5V	100MXMA	TTL	TTL/OC	5305-1J	MCM7620DM
MTA	DIL-16/1C	TTLB	0C/+70C	+5V	100MXMA	TTL	TTL/TS	6306-1J	MCM7621DC
MTA	DIL-16/1C	TTLB	-55C/+125C	+5V	100MXMA	TTL	TTL/TS	5306-1J	MCM7621DM
MTA	DIL-24/2C	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/OC	6340-1J	MCM7640DC
MTA	DIL-24/2C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/OC	5340-1J	MCM7640DM
MTA	DIL-24/2C	STLB	0C/+70C	+5V		TTL	TTL/OC	6340-1J	MCM7640L
MTA	DIL-24/2P	STLB	0C/+70C	+5V		TTL	TTL/OC	6340-1N	MCM7640P
MTA	DIL-24/2C	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/TS	6341-1J	MCM7641DC
MTA	DIL-24/2C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/TS	5341-1J	MCM7641DM
MTA	DIL-24/2C	STLB	0C/+70C			TTL	TTL/TS	6341-1J	MCM7641L
MTA	DIL-24/2P	STLB	0C/+70C	+5V		TTL	TTL/TS	6341-1N	MCM7641P
MTA	DIL-18/1C	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/OC	6352-1J	MCM7642DC
MTA	DIL-18/1C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/OC	5352-1J	MCM7642DM
MTA	DIL-18/1C	STLB	0C/+70C	+5V		TTL	TTL/OC	6352-1J	MCM7642L
MTA	DIL-18/1C	STLB	0C/+70C	+5V		TTL	TTL/OC	6352-1N	MCM7642P
MTA	DIL-18/1C	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/TS	6353-1J	MCM7643DC
MTA	DIL-18/1C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/TS	5353-1J	MCM7643DM
MTA	DIL-18/1C	STLB	0C/+70C	+5V		TTL	TTL/TS	6353-1J	MCM7643L
MTA	DIL-18/1C	STLB	0C/+70C	+5V		TTL	TTL/TS	6353-1N	MCM7643P
MTA	DIL-24/2C	STLB	0C/+70C	+5V		TTL	TTL/OC	MCM7660P	MCM7660L
MTA	DIL-24/2P	STLB	0C/+70C	+5V		TTL	TTL/OC	MCM7660L	MCM7660P
MTA	DIL-24/2C	STLB	0C/+70C	+5V		TTL	TTL/TS	MCM7661P	MCM7661L
MTA	DIL-24/2P	STLB	0C/+70C	+5V		TTL	TTL/TS	MCM7661L	MCM7661P
MTA	DIL-24/2C	TTLB	0C/+70C	+5V	150MXMA	TTL	TTL/OC	6380-1J	MCM7680DC
MTA	DIL-24/2C	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC	5380-1J	MCM7680DM
MTA	DIL-24/2C	TTLB	0C/+70C	+5V	150MXMA	TTL	TTL/TS	6381-1J	MCM7681DC
MTA	DIL-24/2C	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS	5381-1	MCM7681DM
MTA	FLP-16/3C	ECL	0C/+75C	-5.2V	145MXMA	ECL	ECL	GXB10139F	MCM10139F
MTA	DIL-16/1C	ECL	0C/+75C	-5.2V	145MXMA	ECL	ECL	GXB10139D	MCM10139L
MTA	DIL-24/2C	ECL	0C/+75C	-5.2V	150MXMA	ECL	ECL		MCM10143L
MTA	FLP-16/3C	ECL	0C/+75C	-5.2V	130MXMA	ECL	ECL	GXB10144F	MCM10144F
MTA	DIL-16/1C	ECL	0C/+75C	-5.2V	130MXMA	ECL	ECL	GXB10144D	MCM10144L
MTA	FLP-16/3C	ECL	0C/+75C	-5.2V	125MXMA	ECL	ECL	GXB10145F	MCM10145F
MTA	DIL-16/1C	ECL	0C/+75C	-5.2V	125MXMA	ECL	ECL	GXB10145D	MCM10145L
MTA	FLP-16/3C	ECL	0C/+75C	-5.2V	145MXMA	ECL	ECL	GXB10146F	MCM10146F
MTA	DIL-16/1C	ECL	0C/+75C	-5.2V	145MXMA	ECL	ECL	GXB10146B	MCM10146L
MTA	FLP-16/3C	ECL	0C/+75C	-5.2V	100MXMA	ECL	ECL	MCM10547F	MCM10147F
MTA	DIL-16/1C	ECL	0C/+75C	-5.2V	100MXMA	ECL	ECL	MCM10547L	MCM10147L
MTA	FLP-16/3C	ECL	0C/+75C	-5.2V	100MXMA	ECL	ECL	GXB10148D	MCM10148F
MTA	DIL-16/1C	ECL	0C/+75C	-5.2V	100MXMA	ECL	ECL	GXB10548D	MCM10148L
MTA	FLP-16/3C	ECL	0C/+75C	-5.2V	130MXMA	ECL	ECL	GXB10149D	MCM10149F
MTA	DIL-16/1C	ECL	0C/+75C	-5.2V	130MXMA	ECL	ECL	GXB10149F	MCM10149L
MTA	FLP-16/3C	ECL	0C/+75C	-5.2V	130MXMA	ECL	ECL	MCM10552F	MCM10152F
MTA	DIL-16/1C	ECL	0C/+75C	-5.2V	130MXMA	ECL	ECL	MCM10552L	MCM10152L
MTA	FLP-16/3C	ECL	-55C/+125C	-5.2V	145MXMA	ECL	ECL		MCM10539F
MTA	DIL-16/1C	ECL	-55C/+125C	-5.2V	145MXMA	ECL	ECL		MCM10539L
MTA	FLP-16/3C	ECL	-55C/+125C	+5V	130MXMA	ECL	ECL		MCM10544F
MTA	DIL-16/1C	ECL	-55C/+125C	-5.2V	130MXMA	ECL	ECL		MCM10544L
MTA	FLP-16/3C	ECL	-55C/+125C	-5.2V	125MXMA	ECL	ECL		MCM10545F
MTA	DIL-16/1C	ECL	-55C/+125C	-5.2V	125MXMA	ECL	ECL		MCM10545L
MTA	FLP-16/3C	ECL	-55C/+125C	-5.2V	145MXMA	ECL	ECL		MCM10546F
MTA	DIL-16/1P	ECL	-55C/+125C	-5.2V	145MXMA	ECL	ECL		MCM10546L
MTA	FLP-16/3C	ECL	-55C/+125C	-5.2V	100MXMA	ECL	ECL		MCM10547F
MTA	DIL-16/1C	ECL	-55C/+125C	-5.2V	100MXMA	ECL	ECL		MCM10547L
MTA	FLP-16/3C	ECL	-55C/+125C	-5.2V	100MXMA	ECL	ECL		MCM10548F
MTA	DIL-16/1C	ECL	-55C/+125C	-5.2V	100MXMA	ECL	ECL		MCM10548L
MTA	FLP-16/3C	ECL	-55C/+125C	-5.2V	130MXMA	ECL	ECL		MCM10549F
MTA	DIL-16/1C	ECL	-55C/+125C	-5.2V	130MXMA	ECL	ECL		MCM10549L
MTA	FLP-16/3C	ECL	-55C/+125C	-5.2V	130MXMA	ECL	ECL		MCM10552F
MTA	DIL-16/1C	ECL	-55C/+125C	-5.2V	130MXMA	ECL	ECL		MCM10552L
MTA	DIL-14/1C	CMOS	-55C/+125C	+5(3/18)V	50MXMA	CMOS	CMOS/TS		MCM14505BAL
MTA	DIL-14/1C	CMOS	-40C/+85C	+5(3/15)V	50MXMA	CMOS	CMOS/TS	MCM14505BCP	MCM14505BCL
MTA	DIL-14/1P	CMOS	-40C/+85C	+5(3/15)V	50MXMA	CMOS	CMOS/TS	MCM14505BCL	MCM14505BCP
MTA	DIL-16/1C	CMOS	-55C/+125C	+5(3/18)V		CMOS	TTL		MCM14524AL
MTA	DIL-16/1C	CMOS	-40C/+85C	+5(3/18)V		CMOS	TTL	MCM14524CP	MCM14524CL
MTA	DIL-16/1P	CMOS	-40C/+85C	+5(3/18)V		CMOS	TTL	MC14524CL	MCM14524CP
MTA	DIL-16/1C	CMOS	-55C/+125C	+5(3/18)V	100MXMA	CMOS	TTL/TS		MCM14537AL
MTA	DIL-16/1C	CMOS	-40C/+85C	+5(3/18)V	100MXMA	CMOS	TTL/TS	MCM14537CP	MCM14537CL
MTA	DIL-16/1P	CMOS	-40C/+85C	+5(3/18)V	100MXMA	CMOS	TTL/TS	MCM14537CL	MCM14537CP
MTA	DIL-24/2C	CMOS	-55C/+125C	+5(3/18)V	5MXuA	CMOS	TTL/TS		MCM14552AL
MTA	DIL-24/2C	CMOS	-40C/+85C	+5(3/18)V	50MXMA	CMOS	TTL/TS	MCM14552CP	MCM14552CL
MTA	DIL-24/2P	CMOS	-40C/+85C	+5(3/18)V	50MXMA	CMOS	TTL/TS	MCM14552CL	MCM14552CP
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66700P	MCM66700C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66700C	MCM66700P

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MCM66710C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66710P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66714C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66714P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66720C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66720P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66730C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66730P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66734C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66734P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66740C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66740P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66750C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66750P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66751C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 6700/ HOR. SCAN	GEN. PURP.
MCM66751P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66760C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66760P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66770C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66770P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66780C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66780P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM66790C	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED/HOR. CLOCK	GEN-PURP
MCM66790P	CHRGN	7X9BIT	8192=128X7X9/MROM/SPEC. CHAR. SET PREPROGRAMMED 66700/HOR. SCAN	GEN. PURP.
MCM68308L	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 2CS LINES	6800
MCM68308P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 2CS LINES	6800
MCM68316E	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES	8080
MCM68317L	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/7X 4Y 2CS ADDRESS LINES	6800
MCM68317P	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/7X 4Y 2CS ADDRESS LINES	6800
MCM68332L	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/8X 4Y 2CS ADDRESS LINES	GEN. PURP.
MCM68332P	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/8X 4Y 2CS ADDRESS LINES	GEN. PURP.
MCM68708L	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	6800
MCM82707L	PROM	8-BIT	8K=1024X8/TYP. ACCESS 40NS/10 ADDRESS 1CS LINES	6800
MCM82707P	PROM	8-BIT	8K=1024X8/TYP. ACCESS 40NS/10 ADDRESS 1CS LINES	6800
MCM82708L	PROM	8-BIT	8K=1024X8/TYP. ACCESS 40NS/10 ADDRESS 1CS LINES	6800
MCM82708P	PROM	8-BIT	8K=1024X8/TYP. ACCESS 40NS/10 ADDRESS 1CS LINES	6800
MCM93415DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MCM93415DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MCM93415FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MCM93415PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MCM93425DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS LINES	GEN. PURP.
MCM93425DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS LINES	GEN. PURP.
MCM93425FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MCM93425PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS LINES	GEN. PURP.
MCM145101L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	14500
MCM145101P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	14500
MCM145101-1L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	14500
MCM145101-1P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	14500
MCM145101-3L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	14500
MCM145101-3P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	14500
MCM145101-8L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES	14500
MCM145101-8P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES	14500
MCS6501	CPU	8-BIT	6500 FAM. CPU/20 EXT. CLK./6800 BUS COMPAT./ 65K ADDR./1MHZ CLK.	6500
MCS6501A	CPU	8-BIT	6500 FAM. CPU/20 EXT. CLK./6800 BUS COMPAT./ 65K ADDR./2MHZ CLK.	6500
MCS6502	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/65K ADDR. CAPAC./1MHZ CLOCK	6500
MCS6502A	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/65K ADDR. CAPAC./2MHZ CLOCK	6500
MCS6503	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./2 INTERRUPT LINES/1MHZ	6500
MCS6503A	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./2 INTERRUPT LINES/2MHZ	6500
MCS6504	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
MCS6504A	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
MCS6505	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
MCS6505A	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
MCS6506	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./20 OFF/ 1MHZ CLOCK	6500
MCS6506A	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./20 OFF/ 2MHZ CLOCK	6500
MCS6512	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHIP/65K ADDR. CAPAC./ 1MHZ CLOCK	6500
MCS6512A	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHIP/65K ADDR. CAPAC./ 2MHZ CLOCK	6500
MCS6513	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./2 INTERRUPT LINES/1MHZ	6500
MCS6513A	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./2 INTERRUPT LINES/2MHZ	6500
MCS6514	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
MCS6514A	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
MCS6515	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
MCS6515A	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
MCS6520	PIA	8-BIT	PERIPHERAL ADAPTER FOR 6500 FAMILY (APP. B)	6500
MCS6522	PIA	8-BIT	VERSATILE INTERFACE ADAPTER FOR 6500 FAMILY/EXPANDED MCS6520	6500
MCS6530	MEMIO	8-BIT	MEMORY, I-O, TIMER ARRAY/INC. 1KX8 ROM, 64X8 SRAM/FOR 6500 FAM.	6500

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66710P	MCM66710C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66710C	MCM66710P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66714P	MCM66714C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66714C	MCM66714P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66720P	MCM66720C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66720C	MCM66720P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66730P	MCM66730C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66730C	MCM66730P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66734P	MCM66734C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66734C	MCM66734P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66740P	MCM66740C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66740C	MCM66740P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66750P	MCM66750C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66750C	MCM66750P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66751P	MCM66751C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66751C	MCM66751P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66760P	MCM66760C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TSM	CM66760C	MCM66760P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMW	TTL	TTL/TS	MCM66770P	MCM66770C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66770C	MCM66770P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66780P	MCM66780C
MTA	DIL-24/1P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66780C	MCM66780P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66790P	MCM66790C
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM66790C	MCM66790P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	S6830-2L	MCM68308L
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	S6830-2L	MCM68308P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	D2316E	MCM68316E
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	MCM68317P	MCM68317L
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	.	TTL	TTL/TS	MCM68317L	MCM68317P
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL/TS	S68332C	MCM68332L
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL/TS	S68332P	MCM68332P
MTA	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708	MCM68708L
MTA	DIL-24/2C	TTLB	.	+5V	.	TTL	TTL/OC	.	MCM82707L
MTA	DIL-24/2P	TTLB	.	+5V	.	TTL	TTL/OC	.	MCM82707P
MTA	DIL-24/2C	TTLB	.	+5V	.	TTL	TTL/TS	.	MCM82708L
MTA	DIL-24/2P	TTLB	.	+5V	.	TTL	TTL/TS	.	MCM82708P
MTA	DIL-16/1C	TTLB	0C/+75C	+5V	155MXMA	TTL	TTL/OC	93415DC	MCM93415DC
MTA	DIL-16/1C	TTLB	-55C/+125C	+5V	155MXMA	TTL	TTL/OC	93415DM	MCM93415DM
MTA	FLP-16/3C	TTLB	-55C/+125C	+5V	155MXMA	TTL	TTL/OC	93415FM	MCM93415FM
MTA	DIL-16/1P	TTLB	0C/+75C	+5V	155MXMA	TTL	TTL/OC	93415PC	MCM93415PC
MTA	DIL-16/1C	TTLB	0C/+75C	+5V	155MXMA	TTL	TTL/TS	93425DC	MCM93425DC
MTA	DIL-16/1C	TTLB	-55C/+125C	+5V	155MXMA	TTL	TTL/TS	93425DM	MCM93425DM
MTA	FLP-16/3C	TTLB	-55C/+125C	+5V	155MXMA	TTL	TTL/TS	93425FM	MCM93425FM
MTA	DIL-16/1C	TTLB	0C/+75C	+5V	155MXMA	TTL	TTL/TS	93425PC	MCM93425PC
MTA	DIL-22/2C	CMOS	-40C/+85C	+5V	27MXMA	TTL	TTL/TS	B5101	MCM145101L
MTA	DIL-22/2P	CMOS	-40C/+85C	+5V	27MXMA	TTL	TTL/TS	P5101	MCM145101P
MTA	DIL-22/2C	CMOS	-40C/+85C	+5V	27MXMA	TTL	TTL/TS	B5101L-1	MCM145101-1L
MTA	DIL-22/2P	CMOS	-40C/+85C	+5V	27MXMA	TTL	TTL/TS	P5101L-1	MCM145101-1P
MTA	DIL-22/2C	CMOS	-40C/+85C	+5V	27MXMA	TTL	TTL/TS	S5101L-2C	MCM145101-3L
MTA	DIL-22/2P	CMOS	-40C/+85C	+5V	27MXMA	TTL	TTL/TS	B5101L-3	MCM145101-3P
MTA	DIL-22/2C	CMOS	-40C/+85C	+5V	30MXMA	TTL	TTL/TS	B5101L-3	MCM145101-8L
MTA	DIL-22/2P	CMOS	-40C/+85C	+5V	30MXMA	TTL	TTL/TS	B5101L-3	MCM145101-8P
MSC	DIL-40/2P	NMOS	0C/+70C	+5V	700MXMA	TTL	TTL/TS	SYP6501	MCS6501
MSC	DIL-40/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6501A	MCS6501A
MSC	DIL-40/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6502	MCS6502
MSC	DIL-40/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6502A	MCS6502A
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6503	MCS6503
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6503A	MCS6503A
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6504	MCS6504
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6504A	MCS6504A
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6505	MCS6505
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6505A	MCS6505A
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6506	MCS6506
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6506A	MCS6506A
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6512	MCS6512
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SYP6512A	MCS6512A
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SY6513	MCS6513
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SY6513A	MCS6513A
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SY6514	MCS6514
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SY6514A	MCS6514A
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SY6515	MCS6515
MSC	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	SY6515A	MCS6515A
MSC	DIL-40/2P	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL/TS	SY6520	MCS6520
MSC	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	SY6522	MCS6522
MSC	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	SY6530	MCS6530

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MCS6532	MEMIO	8-BIT	MEMORY, I-O, TIMER ARRAY/INC. 128X8 SRAM/FOR 6500 FAM. (APP. B)	6500
MCS6540	MROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/11 ADDRESS 5CS LINES	6500
MCS6541	MROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/11 ADDRESS 2CS LINES	6500
MCS6550	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/10 ADDRESS 4CS LINES	6500
MD54C245AD	TRCVR	8-BIT	OCTAL BUS TRANSCEIVER/CMOS VERSION OF 54LS245	GEN. PURP.
MD74C245AC	TRCVR	8-BIT	OCTAL BUS TRANSCEIVER/CMOS VERSION OF 74LS245	GEN. PURP.
MD74C245AE	TRCVR	8-BIT	OCTAL BUS TRANSCEIVER/CMOS VERSION OF 74LS245	GEN. PURP.
MD2102A-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MD2102A-4/B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2102A-4/C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2102A-4/MT	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2102AL-4/B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2102AL-4/C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2102AL-4/MT	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2111A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MD2111A/B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2111A/C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2111A/MT	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2114	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	4040
MD2114L	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	4040
MD2114L2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
MD2114L2/B	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
MD2114L-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	4040
MD2114L/B	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
MD2114-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	4040
MD2115A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MD2115A/8207	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115A/8212	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115A/B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115A/C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115AL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MD2115AL/8208	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115AL/8213	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115AL/B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115AL/C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115AL/MT	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115A/MT	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115L/B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115L/C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2115L/MT	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MD2125A/8209	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125A/8214	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125A/B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125A/C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125AL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MD2125AL/8210	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125AL/8215	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125AL/B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125AL/C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125AL/MT	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125A/MT	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125L/B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125L/C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2125L/MT	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2147	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MD2147/8274	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2147/8275	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
MD2708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
MD2716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
MD3001	MCU	2-BIT	MICROPROGRAM CONTROL UNIT FOR 3000 2-BIT-SLICE FAMILY	3000
MD3001/B	MCU	2-BIT	MICROPROGRAM CONTROL UNIT FOR 3000 2-BIT-SLICE FAM. /MIL STD 883	3000
MD3001/C	MCU	2-BIT	MICROPROGRAM CONTROL UNIT FOR 3000 2-BIT-SLICE FAM./ MIL STD 883	3000
MD3001/MT	MCU	2-BIT	MICROPROGRAM CONTROL UNIT FOR 3000 2-BIT-SLICE FAM./ MIL STD 883	3000
MD3002	CPEBS	2-BIT	CENTRAL PROCESSING ELEMENT OF 3000 2-BIT SLICE FAM.	3000
MD3002/B	CPEBS	2-BIT	CENTRAL PROCESSING ELEMENT OF 3000 2-BIT SLICE FAM./MIL STD 883	3000
MD3002/C	CPEBS	2-BIT	CENTRAL PROCESSING ELEMENT OF 3000 2-BIT SLICE FAM./MIL STD 883	3000
MD3002/MT	CPEBS	2-BIT	CENTRAL PROCESSING ELEMENT OF 3000 2-BIT SLICE FAM./MIL STD 883	3000
MD3003	LAHCG	8-BIT	LOOK AHEAD CARRY GENERATOR FOR 3000 2-BIT-SLICE FAM.	3000
MD3003/B	LAHCG	8-BIT	LOOK AHEAD CARRY GENERATOR FOR 3000 2-BIT-SLICE FAM.	3000
MD3003/C	LAHCG	8-BIT	LOOK AHEAD CARRY GENERATOR FOR 3000 2-BIT-SLICE FAM.	3000
MD3003/MT	LAHCG	8-BIT	LOOK AHEAD CARRY GENERATOR FOR 3000 2-BIT-SLICE FAM.	3000
MD3212	LATCH	8-BIT	MULTIMODE LATCH BUFFER/8 D-TYPE LATCHES/MAX. WRITE CYCLE 60NS	3000
MD3212/B	LATCH	8-BIT	MULTIMODE LATCH BUFFER/MAX. WRITE CYCLE 60NS/MIL STD 883	3000
MD3212/C	LATCH	8-BIT	MULTIMODE LATCH BUFFER/MAX. WRITE CYCLE 60NS/MIL STD 8883	3000

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MSC	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	SY6532	MCS6532
MSC	DIL-28/2P	NMOS	0C/+70C	+5V		TTL	TTL/TS		MCS6540
MSC	DIL-24/2P	NMOS	0C/+70C	+5V		TTL	TTL/TS		MCS6541
MSC	DIL-22/2P	NMOS	0C/+70C	+5V	450TPMW	TTL	TTL/TS		MCS6550
MIL	DIL-20/4C	CMOS	-55C/+125C	+5V	1MXMA	TTL	TTL/TS		MD54C245AD
MIL	DIL-20/4C	CMOS	-40C/+85C	+5V	1MXMA	TTL	TTL/TS		MD74C245AC
MIL	DIL-20/4P	CMOS	-40C/+85C	+5V	1MXMA				MD74C245AE
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS	D2102A-4	MD2102A-4
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	60MXMA	TTL	TTL/TS		MD2102A-4/B
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	60MXMA	TTL	TTL/TS		MD2102A-4/C
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	60MXMA	TTL	TTL/TS		MD2102A-4/MT
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	33MXMA	TTL	TTL/TS		MD2102AL-4/B
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	33MXMA	TTL	TTL/TS		MD2102AL-4/C
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	33MXMA	TTL	TTL/TS		MD2102AL-4/MT
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS		MD2111A
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS		MD2111A/B
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS		MD2111A/C
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS		MD2111A/MT
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	MD2114L	MD2114
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS		MD2114L
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS	IM2114L2MJN	MD2114L2
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS		MD2114L2/B
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS		MD2114L-3
INS	DIL-18/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS		MD2114L/B
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	MD2114L-3	MD2114-3
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/OC	MD2115AL	MD2115A
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/OC		MD2115A/8207
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/OC		MD2115A/8212
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/OC		MD2115A/B
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/OC		MD2115A/C
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/OC		MD2115AL
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/OC		MD2115AL/8208
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/OC		MD2115AL/8213
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/OC		MD2115AL/B
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/OC		MD2115AL/C
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/OC		MD2115AL/MT
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/OC		MD2115A/MT
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/OC		MD2115L/B
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/OC		MD2115L/C
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/OC		MD2115L/MT
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/TS	MD2125AL	MD2125A
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/TS		MD2125A/8209
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/TS		MD2125A/8214
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/TS		MD2125A/B
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	125MXMA	TTL	TTL/TS		MD2125A/C
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/TS		MD2125AL
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/TS		MD2125AL/8210
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/TS		MD2125AL/8215
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/TS		MD2125AL/B
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/TS		MD2125AL/C
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/TS		MD2125AL/MT
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	75MXMA	TTL	TTL/TS		MD2125A/MT
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS		MD2125L/B
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS		MD2125L/C
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	65MXMA	TTL	TTL/TS		MD2125L/MT
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	150MXMA	TTL	TTL/TS	MCM2147C-70	MD2147
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	150MXMA	TTL	TTL/TS		MD2147/8274
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	150MXMA	TTL	TTL/TS		MD2147/8275
INL	DIL-24/2Q	NMOS	-55C/+125C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS		MD2708
INL	DIL-24/2Q	NMOS	-55C/+100C	+5V	105MXMA	TTL	TTL/TS	MB2716	MD2716
INL	DIL-40/2C	STLB	-55C/+125C	+5V	250MXMA	TTL	TTL/TS+OC		MD3001
INL	DIL-40/2C	STLB	-55C/+125C	+5V	250MXMA	TTL	TTL/TS+OC		MD3001/B
INL	DIL-40/2C	STLB	-55C/+125C	+5V	250MXMA	TTL	TTL/TS+OC		MD3001/C
INL	DIL-40/2C	STLB	-55C/+125C	+5V	250MXMA	TTL	TTL/TS+OC		MD3001/MT
INL	DIL-28/2C	STLB	-55C/+125C	+5V	210MXMA	TTL	TTL/TS	S3002-I	MD3002
INL	DIL-28/2C	STLB	-55C/+125C	+5V	210MXMA	TTL	TTL/TS		MD3002/B
INL	DIL-28/2C	STLB	-55C/+125C	+5V	210MXMA	TTL	TTL/TS		MD3002/C
INL	DIL-28/2C	STLB	-55C/+125C	+5V	210MXMA	TTL	TTL/TS		MD3002/MT
INL	DIL-28/2C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL		MD3003
INL	DIL-28/2C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL		MD3003/B
INL	DIL-28/2C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL		MD3003/C
INL	DIL-28/2C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL		MD3003/MT
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	145MXMA	TTL	TTL/TS		MD3212
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	145MXMA	TTL	TTL/TS		MD3212/B
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	145MXMA	TTL	TTL/TS		MD3212/C

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MD3212/MT	LATCH	8-BIT	MULTIMODE LATCH BUFFER/MAX. WRITE CYCLE 60NS/MIL STD 883	3000
MD3214	ITRPC	8-BIT	INTERRUPT CONTROL INPUT	3000
MD3214/B	ITRPC	8-BIT	INTERRUPT CONTROL UNIT/MIL STD 883	3000
MD3214/C	ITRPC	8-BIT	INTERRUPT CONTROL UNIT	3000
MD3214/MT	ITRPC	8-BIT	INTERRUPT CONTROL UNIT	3000
MD3216	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER	3000
MD3216/B	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER	3000
MD3216/C	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER	3000
MD3216/MT	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER	3000
MD3226	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER/INVERTING	3000
MD3226/B	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER/INVERTING/MIL STD 883	3000
MD3226/C	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER/INVERTING/MIL STD 883	3000
MD3226/MT	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER/INVERTING/MIL STD 883	3000
MD3601	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/8 ADDRESS 2CS LINES	GEN. PURP.
MD3601/B	PROM	4-BIT	1K=256X4/MAX. ACCESS 90NS/8 ADDRESS 2CS LINES/MIL STD 883	GEN. PURP.
MD3601/C	PROM	4-BIT	1K=256X4/MAX. ACCESS 90NS/8 ADDRESS 2CS LINES/MIL STD 883	GEN. PURP.
MD3601/MT	PROM	4-BIT	1K=256X4/MAX. ACCESS 90NS/8 ADDRESS 2CS LINES/MIL STD 883	GEN. PURP.
MD3604	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES	GEN. PURP.
MD3604A	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/MOD. PROGRAMMING	GEN. PURP.
MD3604A/8081	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/MIL STD 883	GEN. PURP.
MD3604A/8105	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/MIL STD 883	GEN. PURP.
MD3604/B	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/MIL STD 883	GEN. PURP.
MD3604/C	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/MIL STD 883	GEN. PURP.
MD3604/MT	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES	GEN. PURP.
MD3624	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/MOD. PROGRAMMING	GEN. PURP.
MD3624A	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/MOD. PROGRAMMING	GEN. PURP.
MD3624/B	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/MIL STD 883	GEN. PURP.
MD3624/C	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/MIL STD 883	GEN. PURP.
MD3624/MT	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES	GEN. PURP.
MD3636	PROM	8-BIT	16K=2048X8/MAX. ACCESS 80NS/11 ADDRESS 3CS LINES	GEN. PURP.
MD4055BC	DSPLC	4-BIT	LIQUID CRYSTAL DISPLAY DECODER/DRIVERS WITH LOGIC LEVEL CONVERSN	GEN. PURP.
MD4055BE	DSPLC	4-BIT	LIQUID CRYSTAL DISPLAY DECODER/DRIVERS WITH LOGIC LEVEL CONVERSN	GEN. PURP.
MD4055BF	DSPLC	4-BIT	LIQUID CRYSTAL DISPLAY DECODER/DRIVERS WITH LOGIC LEVEL CONVERSN	GEN. PURP.
MD4056BC	DSPLC	4-BIT	LIQUID CRYSTAL DISPLAY DECODER/DRIVERS WITH LOGIC LEVEL CONVERSN	GEN. PURP.
MD4056BE	DSPLC	4-BIT	LIQUID CRYSTAL DISPLAY DECODER/DRIVERS WITH LOGIC LEVEL CONVERSN	GEN. PURP.
MD4056BF	DSPLC	4-BIT	LIQUID CRYSTAL DISPLAY DECODER/DRIVERS WITH LOGIC LEVEL CONVERSN	GEN. PURP.
MD4104BC	LVLSH	4-BIT	QUAD LOW-TO-HIGH VOLTAGE TRANSLATOR	GEN. PURP.
MD4104BD	LVLSH	4-BIT	QUAD LOW-TO-HIGH VOLTAGE TRANSLATOR	GEN. PURP.
MD4104BE	LVLSH	4-BIT	QUAD LOW-TO-HIGH VOLTAGE TRANSLATOR	GEN. PURP.
MD4330BD	SHFTR	1-BIT	30-BIT STATIC SHIFT REGISTER/1MHZ CLOCK	GEN. PURP.
MD4330BM	SHFTR	1-BIT	30-BIT STATIC SHIFT REGISTER/1MHZ CLOCK	GEN. PURP.
MD4330BS	SHFTR	1-BIT	30-BIT STATIC SHIFT REGISTER/1MHZ CLOCK	GEN. PURP.
MD4331BD	SHFTR	1-BIT	30-BIT STATIC SHIFT REGISTER/1MHZ CLOCK	GEN. PURP.
MD4331BM	SHFTR	1-BIT	30-BIT STATIC SHIFT REGISTER/1MHZ CLOCK	GEN. PURP.
MD4331BS	SHFTR	1-BIT	30-BIT STATIC SHIFT REGISTER/1MHZ CLOCK	GEN. PURP.
MD4332BD	SHFTR	1-BIT	32-BIT STATIC SHIFT REGISTER/1MHZ CLOCK	GEN. PURP.
MD4332BM	SHFTR	1-BIT	32-BIT STATIC SHIFT REGISTER/1MHZ CLOCK	GEN. PURP.
MD4332BS	SHFTR	1-BIT	32-BIT STATIC SHIFT REGISTER/1MHZ CLOCK	GEN. PURP.
MD6703AC	SHFTR	1-BIT	HIGH SPEED STATIC SHIFT REGISTER/288-BIT/1MHZ CLOCK	GEN. PURP.
MD6703AE	SHFTR	1-BIT	HIGH SPEED STATIC SHIFT REGISTER/288-BIT/1MHZ CLOCK	GEN. PURP.
MD6703AF	SHFTR	1-BIT	HIGH SPEED STATIC SHIFT REGISTER/288-BIT/1MHZ CLOCK	GEN. PURP.
MD8035	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS ID8048	8048
MD8035L	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS 8048/POWER DOWN	8048
MD8048	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
MD8080A/JAN	MPU	8-BIT	1-CHIP CPU OF 8080 FAM./MIN. CLOCKPERIOD 480NS/MIL STD 883	8080
MD8080A	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN. INSTN. CYCLE 2uS	8080
MD8085A	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.2uS	8085A
MD8102A-4/B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/MIL STD 883	8080
MD8102A-4/C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/MIL STD 883	8080
MD8102A-4/MT	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/MIL STD 883	8080
MD8111A/B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	8080
MD8111A/C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	8080
MD8111A/MT	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/MIL STD 883	8080
MD8155	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8048/8085
MD8212	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAMILIES (APP. B)	8080-9080
MD8212/B	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAM./MIL STD 883	8080-9080
MD8212/C	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAM./MIL STD 883	8080-9080
MD8212/MT	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAM./MIL STD 883	8080-9080
MD8214	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM. (APP. B)	8080
MD8214/B	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM./MIL STD 883	8080
MD8214/C	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM./MIL STD 883	8080
MD8214/MT	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM./MIL STD 883	8080
MD8216	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/8080 DATA BUS BUFFER DVR	8080-9080
MD8216/B	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/MIL STD 883	8080-9080
MD8216/C	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/MIL STD 883	8080-9080

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	145MXMA	TTL	TTL/TS		MD3212/MT
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL		MD3214
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL		MD3214/B
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL		MD3214/C
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL		MD3214/MT
INL	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MD3216
INL	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MD3216/B
INL	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MD3216/C
INL	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MD3216/MT
INL	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MD3226
INL	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXM	TTL	TTL/TS		MD3226/B
INL	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MD3226/C
INL	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MD3226/MT
INL	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC	MD3601-1	MD3601
INL	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MD3601/B
INL	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MD3601/C
INL	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MD3601/MT
INL	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC		MD3604
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		MD3604A
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		MD3604A/8081
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		MD3604A/8105
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	190MXMA		TTL/OC		MD3604/B
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/OC		MD3604/C
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/OC		MD3604/MT
INL	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/TS		MD3624
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS		MD3624A
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS		MD3624/B
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS		MD3624/C
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS		MD3624/MT
INL	DIL-24/2C	STLB	-55C/+125C	+5V	185MXMA	TTL	TTL/TS		MD3636
MIL	DIL-16/1C	CMOS	-40C/+85C	+(3/18)V	300MXuW	CMOS	CMOS		MD4055BC
MIL	DIL-16/1P	CMOS	-40C/+85C	+(3/18)V	300MXuW	CMOS	CMOS		MD4055BE
MIL	DIL-16/1C	CMOS	-55C/+125C	+(3/15)V	300MXuW	CMOS	CMOS		MD4055BF
MIL	DIL-16/1C	CMOS	-40C/+85C	+(3/18)V	300MXuW	CMOS	CMOS		MD4056BC
MIL	DIL-16/1P	CMOS	-40C/+85C	+(3/18)V	300MXuW	CMOS	CMOS		MD4056BE
MIL	DIL-16/1C	CMOS	-55C/+125C	+(3/18)V	300MXuW	CMOS	CMOS		MD4056BF
MIL	DIL-16/1C	CMOS	-40C/+85C	+(5/15)V	1.4MXMA	MOS	MOS/TS	F4104BE	MD4104BC
MIL	DIL-16/1C	CMOS	-55C/+125C	+(5/15)V	0.6MXMA	MOS	MOS/TS	F4104BM	MD4104BD
MIL	DIL-16/1C	CMOS	-40C/+85C	+(5/15)V	0.6MXMA	MOS	MOS/TS	F4104BE	MD4104BE
MIL	DIL-40/2C	CMOS	-40C/+85C	+(3/18)V	100MXuA	CMOS	CMOS		MD4330BD
MIL	DIL-40/2C	CMOS	-55C/+125C	+(3/18)V	100MXuA	CMOS	CMOS		MD4330BM
MIL	DIL-40/2P	CMOS	-40C/+85C	+(3/18)V	100MXuA	CMOS	CMOS		MD4330BS
MIL	DIL-40/2C	CMOS	-40C/+85C	+(3/18)V	100MXuA	CMOS	CMOS		MD4331BD
MIL	DIL-40/2C	CMOS	-55C/+125C	+(3/18)V	100MXuA	CMOS	CMOS		MD4331BM
MIL	DIL-40/2P	CMOS	-40C/+85C	+(3/18)V	100MXuA	CMOS	CMOS		MD4331BS
MIL	DIL-40/2C	CMOS	-40C/+85C	+(3/18)V	100MXuA	CMOS	CMOS		MD4332BD
MIL	DIL-40/2C	CMOS	-55C/+125C	+(3/18)V	100MXuA	CMOS	CMOS		MD4332BM
MIL	DIL-40/2P	CMOS	-40C/+85C	+(3/18)V	100MXuA	CMOS	CMOS		MD4332BS
MIL	DIL-8/1C	CMOS	-40C/+85C	+(1.5/10)V	1TPMA	TTL	CMOS		MD6703AC
MIL	DIL-8/1P	CMOS	-40C/+85C	+(1.5/10)V	1TPMA	TTL	CMOS		MD6703AE
MIL	DIL-8/1C	CMOS	-55C/+125C	+(1.5/10)V	1TPMA	TTL	CMOS		MD6703AF
INL	DIL-40/2C	NMOS	-55C/+125C	+5V	180MXMA	TTL	TTL		MD8035
INL	DIL-40/2C	NMOS	-55C/+125C	+5V		TTL	TTL		MD8035L
INL	DIL-40/2C	NMOS	-55C/+125C	+5V	180MXMA	TTL	TTL		MD8048
INL	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS		MD8080A/JAN
INL	DIL-40/2C	NMOS	-55C/+125C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	AM8080ADM	MD8080A
INL	DIL-40/2C	NMOS	-55C/+125C	+5V	200MXMA	TTL	TTL		MD8085A
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS		MD8102A-4/B
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS		MD8102A-4/C
INL	DIL-16/1C	NMOS	-55C/+125C	+5V	50MXMA	TTL	TTL/TS		MD8102A-4/MT
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS		MD8111A/B
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS		MD8111A/C
INL	DIL-18/1C	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS		MD8111A/MT
INL	DIL-40/2C	NMOS	-55C/+125C	+5V	180MXMA	TTL	TTL		MD8155
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM8212DM	MD8212
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MD8212/B
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MD8212/C
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MD8212/MT
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MD8214
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MD8214/B
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MD8214/C
INL	DIL-24/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MD8214/MT
ADM	DIL-16/1C	STLB	-55C/+125C	+5V	375MXMW	TTL	TTL/TS	SAB8216D	MD8216
INL	DIL-16/1C	STLB	-55C/+125C	+5V	375MXMW	TTL	TTL/TS		MD8216/B
INL	DIL-16/1C	STLB	-55C/+125C	+5V	375MXMW	TTL	TTL/TS		MD8216/C

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MD8216/MT	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/MIL STD 883	8080-9080
MD8224	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080 FAM. (APP. B)/ 18MHZ	8080
MD8224/B	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080 FAM./18MHZ/MIL STD 883	8080
MD8224/C	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080 FAM./18MHZ/MIL STD 883	8080
MD8224/MT	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080 FAM./18MHZ/MIL STD 883	8080
MD8226	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080-9080
MD8226/B	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/MIL STD 883	8080-9080
MD8226/C	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/MIL STD 883	8080-9080
MD8226/MT	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/MIL STD 883	8080-9080
MD8228	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
MD8228/B	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAM./MIL STD 883	8080-9080
MD8228/C	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAM./MIL STD 883	8080-9080
MD8228/MT	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAM./MIL STD 883	8080-9080
MD8238	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
MD8251	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
MD8251/B	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. TRANSCEIVER/MIL STD 883	8080
MD8251/C	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. TRANSCEIVER/MIL STD 883	8080
MD8251/MT	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. TRANSCEIVER/MIL STD 883	8080
MD8255	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM.	8080-9080
MD8255A	PIA	8-BIT	PROG. I-O PORT	8080
MD8255/MT	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM.	8080-9080
MD8257	DMAC	8-BIT	PROGRAMMABLE DMA CONTROLLER/MAX. ACCESS 300NS	8085
MD8259	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8085	8085
MD8748	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INTERNAL CPU-RAM-IO-EPROM/6MHZ INT. CLOCK	8048
MD46802AC	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./CMOS VERSION OF MC6802/5MHZ	6802(CMOS)
MD46802AD	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./CMOS VERSION OF MC6802/5MHZ	6802(CMOS)
MD46802AE	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./CMOS VERSION OF MC6802/5MHZ	6802(CMOS)
MK1002N	SHFTR	2-BIT	DUAL 128-BIT STATIC SHIFT REGISTER	GEN. PURP.
MK1002P	SHFTR	2-BIT	DUAL 128-BIT STATIC SHIFT REGISTER	GEN. PURP.
MK1007N	SHFTR	4-BIT	QUAD 80-BIT DYNAMIC SHIFT REGISTER	GEN. PURP.
MK1007P	SHFTR	4-BIT	QUAD 80-BIT DYNAMIC SHIFT REGISTER	GEN. PURP.
MK1702A	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS, 1CS LINES	GEN. PURP.
MK2300N	CHRGN	5X7BIT	2240=64X5X7 BIT PREPROGRAMMED MROM/COL. BY COL. OUTPUT	GEN. PURP.
MK2300P	CHRGN	5X7BIT	2240=64X5X7 BIT PREPROGRAMMED MROM/COL. BY COL. OUTPUT	GEN. PURP.
MK2302N	CHRGN	5X7BIT	2240=64X5X7 BIT PREPROGRAMMED MROM/COL. BY COL. O-P/ASCII CODED	GEN. PURP.
MK2302P	CHRGN	5X7BIT	2240=64X5X7 BIT PREPROGRAMMED MROM/COL. BY COL. O-P/ASCII CODED	GEN. PURP.
MK2400P(24-PIN)	MROM	10-BIT	2560=256X10/MAX. ACCESS 600NS/8 ADDRESS 1CE LINES	GEN. PURP.
MK2400P(28-PIN)	MROM	10-BIT	2560=256X10/MAX. ACCESS 600NS/8 ADDRESS 3CS 1CE LINES	GEN. PURP.
MK2408P	CHRGN	7X5BIT	64X7X5 MROM ASCII CODED CHARACTER GENERATOR/VERSION OF MK2400P	GEN. PURP.
MK2500P	MROM	4/8BIT	4K=1024X4,512X8/MAX. ACCESS 700NS/6X 3Y ADDRESS 4CS LINES	GEN. PURP.
MK2503P	SPECL	8-BIT	ASCII-TO-EBCDIC CODE CONVERTER VERSION OF MK2500P	GEN. PURP.
MK2600P	MROM	8-BIT	4K=1024X4,512X8/MAX. ACCESS 700NS/6X 3Y ADDRESS 4CS LINES	GEN. PURP.
MK2601P	SPECL	8-BIT	ASCII-TO-EBCDIC CODE CONVERTER VERSION OF MK2600P	GEN. PURP.
MK2708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
MK2708T	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450 NS/6X 4Y2CS ADDRESS LINES	GEN. PURP.
MK2716T	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/8X 3Y 1CS ADDRESS LINES/25MA STDBY	GEN. PURP.
MK3539	SRAM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS 2CS LINES	GEN. PURP.
MK3602P-1	PROM	8-BIT	2K=256X8/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
MK3602P-2	PROM	8-BIT	2K=256X8/MAX. ACCESS 750NS/8 ADDRESS 1CS LINES	GEN. PURP.
MK3602P-3	PROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS 1CS LINES	GEN. PURP.
MK3702T-1	EPROM	8-BIT	2K=256X8/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
MK3702T-2	EPROM	8-BIT	2K=256X8/MAX. ACCESS 750NS/8 ADDRESS 1CS LINES	GEN. PURP.
MK3702T-3	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS 1CS LINES	GEN. PURP.
MK3702-1	EPROM	8-BIT	2K=256X8/MAX. ACCESS 550NS/8 ADDRESS 1CS LINES	GEN. PURP.
MK3702-2	EPROM	8-BIT	2K=256X8/MAX. ACCESS 750NS/8 ADDRESS 1CS LINES	GEN. PURP.
MK3702-3	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS 1CS LINES	GEN. PURP.
MK3850N-3	CPU	8-BIT	CENTRAL PROCESSOR OF F8 FAM./2MHZ MAX. INT. CLOCK	F8
MK3850N-13	CPU	8-BIT	CENTRAL PROCESSOR OF F8 FAM./2MHZ MAX. INT. CLOCK	F8
MK3850P-3	CPU	8-BIT	CENTRAL PROCESSOR OF F8 FAM./2MHZ MAX. INT. CLOCK	F8
MK3850P-13	CPU	8-BIT	CENTRAL PROCESSOR OF F8 FAM./2MHZ MAX. INT. CLOCK	F8
MK3850P-23	CPU	8-BIT	CENTRAL PROCESSOR OF F8 FAM./2MHZ MAX.	F8
MK3851N	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./1024X8 MROM/2 IO PORTS/TIMER	F8
MK3851N/12XX	PSU	8-BIT	PROGRAM STORAGE UNIT/ASSIGNED-MASK OPTION VERSION OF MK3851N	F8
MK3851P	PSU	8-BIT	PROGRAM STORAGE UNIT FOR F8 FAM./1024X8 MROM/2 IO PORTS/TIMER	F8
MK3851P/12XXX	PSU	8-BIT	PROGRAM STORAGE UNIT/ASSIGNED-MASK OPTION VERSION OF MK3851P	F8
MK3852N	MEMCT	8-BIT	DYNAMIC MEMORY INTERFACE/FOR UP TO 64KX8 DRAM OR SRAM	F8
MK3852N-10	MEMCT	8-BIT	DYNAMIC MEMORY INTERFACE/FOR UP TO 64KX8 DRAM OR SRAM	F8
MK3852P	MEMCT	8-BIT	DYNAMIC MEMORY INTERFACE/FOR UP TO 64KX8 DRAM OR SRAM	F8
MK3852P-10	MEMCT	8-BIT	DYNAMIC MEMORY INTERFACE/FOR UP TO 64KX8 DRAM OR SRAM	F8
MK3853N	MEMCT	8-BIT	STATIC MEM. INTERFACE FOR UP TO 64KX8 SRAM, ROM OR PROM	F8
MK3853N-10	MEMCT	8-BIT	STATIC MEM. INTERFACE FOR UP TO 64KX8 SRAM, ROM OR PROM	F8
MK3853N-20	MEMCT	8-BIT	STATIC MEMO INTERFACE FOR UP TO 64KX8 SRAM, ROM OR PROM	F8
MK3853P	MEMCT	8-BIT	STATIC MEM. INTERFACE FOR UP TO 64KX8 SRAM, ROM OR PROM	F8
MK3853P-10	MEMCT	8-BIT	STATIC MEM. INTERFACE FOR UP TO 64KX8 SRAM, ROM OR PROM	F8
MK3853P-20	MEMCT	8-BIT	STATIC MEM. INTERFACE FOR UP TO 64KX8 SRAM, ROM OR PROM	F8

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-16/1C	STLB	-55C/+125C	+5V	375MXMW	TTL	TTL/TS		MD8216/MT
INL	DIL-16/1C	STLB	-55C/+125C	+5V/+12V	725MXMW	TTL	TTL	SAB8224-D	MD8224
INL	DIL-16/1C	STLB	-55C/+125C	+5V/+12V	725MXMW	TTL	TTL		MD8224/B
INL	DIL-16/1C	STLB	-55C/+125C	+5V/+12V	725MXMW	TTL	TTL		MD8224/C
INL	DIL-16/1C	STLB	-55C/+125C	+5V/+12V	725MXMW	TTL	TTL		MD8224/MT
INL	DIL-16/1C	STLB	-55C/+125C	+5V		TTL	TTL/TS	SAB8226-D	MD8226
INL	DIL-16/1C	STLB	-55C/+125C	+5V		TTL	TTL/TS		MD8226/B
INL	DIL-16/1C	STLB	-55C/+125C	+5V		TTL	TTL/TS		MD8226/C
INL	DIL-16/1C	STLB	-55C/+125C	+5V		TTL	TTL/TS		MD8226/MT
INL	DIL-28/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS	SAB8228-D	MD8228
INL	DIL-28/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS		MD8228/B
INL	DIL-28/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS		MD8228/C
INL	DIL-28/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS		MD8228/MT
INL	DIL-28/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS	AM8238DM	MD8238
INL	DIL-28/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL		MD8251
INL	DIL-28/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL	MC8251/B	MD8251/B
INL	DIL-28/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL	MC8251/C	MD8251/C
INL	DIL-28/2C	NMOS	-55C/+125C	+5V	80MXMA	TTL	TTL	MC8251/MT	MD8251/MT
INL	DIL-40/2C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL		MD8255
NAT	DIL-40/2C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL		MD8255A
INL	DIL-40/2C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL		MD8255/MT
INL	DIL-40/2C	NMOS	-55C/+125C	+5V	120MXMA	TTL	TTL		MD8257
INL	DIL-28/2C	NMOS	-55C/+125C	+5V	100MXMA	TTL	TTL		MD8259
INL	DIL-40/2C	NMOS	-55C/+125C	+5V	1MXW	TTL	TTL		MD8748
MIL	C		-40C/+85C	+5V	15MXMA	CMOS	TTL		MD46802AC
MIL	DIL-40/2C	CMOS	-55C/+125C	+5V	15MXMA	CMOS	TTL		MD46802AD
MIL	DIL-40/2P	CMOS	-40C/+85C	+5V	15MXMA	CMOS	TTL		MD46802AE
MSK	DIL-16/1P	PMOS	0C/+75C	-12V/+5V	245MXMW	TTL	TTL		MK1002N
MSK	DIL-16/1C	PMOS	0C/+75C	-12V/+5V	245MXMW	TTL	TTL		MK1002P
MSK	DIL-16/1P	PMOS	0C/+75C	-12V/+5V	220TPMW	TTL	TTL		MK1007N
MSK	DIL-16/1N	PMOS	0C/+75C	-12V/+5V	220TPMW	TTL	TTL		MK1007P
MSK	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	60MXMA	TTL	TTL/TS	C1702A	MK1702A
MSK	DIL-24/2P	PMOS	0C/+75C	-12V/+5V	680MXMW	TTL	TTL		MK2300N
MSK	DIL-24/2C	PMOS	0C/+75C	-12V/+5V	680MXMW	TTL	TTL		MK2300P
MSK	DIL-24/2P	PMOS	0C/+75C	-12V/+5V	680MXMW	TTL	TTL		MK2302N
MSK	DIL-24/2P	PMOS	0C/+75C	-12V/+5V	680MXMW	TTL	TTL		MK2302P
MSK	DIL-24/2C	PMOS	0C/+75C	-12V/+5V	425MXMW	TTL	TTL		MK2400P(24-PIN)
MSK	DIL-28/2C	PMOS	0C/+75C	-12V/+5V	425MXMW	TTL	TTL		MK2400P(28-PIN)
MSK	DIL-28/2C	PMOS	0C/+75C	-12V/+5V	425MXMW	TTL	TTL		MK2408P
MSK	DIL-24/2C	PMOS	0C/+75C	-12V/+5V	476MXMW	TTL	TTL/TS	MM5232J	MK2500P
MSK	DIL-24/2C	PMOS	0C/+75C	-12V/+5V	476MXMW	TTL	TTL/TS		MK2503P
MSK	DIL-24/2C	PMOS	0C/+75C	-12V/+5V	476MXMW	TTL	TTL/TS	SY3514	MK2600P
MSK	DIL-24/2C	PMOS	0C/+75C	-12V/+5V	476MXMW	TTL	TTL/TS		MK2601P
MSK	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	390MXMW	TTL	TTL	D2708	MK2708
MSK	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	390MXMW	TTL	TTL	D2708	MK2708T
MSK	DIL-24/2Q	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	D2716	MK2716T
MSK	DIL-22/4C	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL	3539DC	MK3539
MSK	DIL-24/2C	PMOS	0C/+70C	-9V/+5V	540MXMW	TTL	TTL/TS		MK3602P-1
MSK	DIL-24/2C	PMOS	0C/+70C	-9V/+5V	540MXMW	TTL	TTL/TS		MK3602P-2
MSK	DIL-24/2C	PMOS	0C/+70C	-9V/+5V	540MXMW	TTL	TTL/TS		MK3602P-3
MSK	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	540MXMW	TTL	TTL/TS	C1702A-1	MK3702T-1
MSK	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	540MXMW	TTL	TTL/TS	C1702A-2	MK3702T-2
MSK	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	540MXMW	TTL	TTL/TS	C1702A-3	MK3702T-3
MSK	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	540MXMW	TTL	TTL/TS	C1702A-1	MK3702-1
MSK	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	540MXMW	TTL	TTL/TS	C1702A-2	MK3702-2
MSK	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	540MXMW	TTL	TTL/TS	C1702A-3	MK3702-3
MSK	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	700MXMW	MOS	MOS		MK3850N-3
MSK	DIL-40/2P	NMOS	-40C/+85C	+5V/+12V	850MXMW	MOS	MOS		MK3850N-13
MSK	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	700MXMW	MOS	MOS		MK3850P-3
MSK	DIL-40/2C	NMOS	-40C/+85C	+5V/+12V	850MXMW	MOS	MOS		MK3850P-13
MSK	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	800MXMW	MOS	MOS		MK3850P-23
MSK	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	275MXMW	MOS	MOS		MK3851N
MSK	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	275MXMW	MOS	MOS		MK3851N/12XX
MSK	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	275MXMW	MOS	MOS		MK3851P
MSK	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	275MXMW	MOS	MOS		MK3851P/12XX
MSK	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	710MXMW	MOS	MOS		MK3852N
MSK	DIL-40/2P	NMOS	-40C/+85C	+5V/+12V	710MXMW	MOS	MOS		MK3852N-10
MSK	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	710MXMW	MOS	MOS		MK3852P
MSK	DIL-40/2C	NMOS	-40C/+85C	+5V/+12V	710MXMW	MOS	MOS		MK3852P-10
MSK	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	710MXMW	MOS	MOS		MK3853N
MSK	DIL-40/2P	NMOS	-40C/+85C	+5V/+12V	710MXMW	MOS	MOS		MK3853N-10
MSK	DIL-40/2P	NMOS	-55C/+125C	+5V/+12V	710MXMA	MOS	MOS		MK3853N-20
MSK	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	710MXMW	MOS	MOS		MK3853P
MSK	DIL-40/2C	NMOS	-40C/+85C	+5V/+12V	710MXMW	MOS	MOS		MK3853P-10
MSK	DIL-40/2C	NMOS	-55C/+125C	+5V/+12V	710MXMW	MOS	MOS		MK3853P-20

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MK3854N	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/2uS CYCLE TIME	F8
MK3854N-10	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/2uS CYCLE TIME	F8
MK3854P	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/2uS CYCLE TIME	F8
MK3854P-10	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/2uS CYCLE TIME	F8
MK3861N	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT	F8
MK3861P	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT CIRCUIT	F8
MK3870N	CPU	8-BIT	1-CHIP MICROPROCESSOR/3870 FAMILY (APP. B)	F8-1(3870)
MK3870N/14XXX	MICMP	8-BIT	1-CHIP MICROCOMPUTER/2048X8 MROM/64X8 RAM/TIMER	F8
MK3870P/14XXX	MICMP	8-BIT	1-CHIP MICROCOMPUTER/2048X8 MROM/64X8 RAM/TIMER	F8
MK3870P	CPU	8-BIT	1-CHIP MICROPROCESSOR/3870 FAMILY (APP. B)	F8-1(3870)
MK3871N	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT WITH 3850,3853, AND PROM EQUALS MK3870	3850(F8)
MK3871N/90XXX	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3871N	
MK3871P	PIO	8-BIT	PERIPHERAL INPUT-OUTPUT WITH 3850,3853, AND PROM EQUALS MK3870	F8(3850)
MK3871P/90XXX	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3871P	
MK3872N	MICMP	8-BIT	1-CHIP MICROCOMPUTER/4032X8 MROM/128X8 RAM/TIMER/3870 PINOUT	3870
MK3872N/16XXX	MICMP	8-BIT	CUSTOMER-SPECIFIED-MROM VERSION OF MK3872N/NON-STANDBY	3870
MK3872N/17XXX	MICMP	8-BIT	CUSTOMER-SPECIFIED-MROM VERSION OF MK3872N/STANDBY	3870
MK3872P	MICMP	8-BIT	1-CHIP MICROCOMPUTER/4032X8 MROM/128X8 RAM/TIMER/3870 PINOUT	3870
MK3872P/16XXX	MICMP	8-BIT	CUSTOMER-SPECIFIED-MROM VERSION OF MK3872P/NON-STANDBY	3870
MK3872P/17XXX	MICMP	8-BIT	CUSTOMER-SPECIFIED-MROM VERSION OF MK3872P/STANDBY	3870
MK3873	MICMP	8-BIT	1-CHIP MICROCOMPUTER/2048X8 MROM/64X8 RAM/TIMER/3870 PINOUT	3870
MK3874	MICMP	8-BIT	1-CHIP MICROCOMPUTER/128X8 RAM/PIGGYBACK SOCKETED 1,2,OR 4K PROM	3870
MK3876N/16XXX	MICMP	8-BIT	1-CHIP MICROCOMPUTER/2KX8 ROM/128X8 RAM/TIMER/NON-STANDBY VERSN.	3870
MK3876P/16XXX	MICMP	8-BIT	1-CHIP MICROCOMPUTER/2KX8 ROM/128X8 RAM/TIMER/NON-STANDBY VERSN.	3870
MK3876N/17XXX	MICMP	8-BIT	1-CHIP MICROCOMPUTER/2KX8 ROM/128X8 RAM/TIMER/STANDBY VERSN.	3870
MK3876P/17XXX	MICMP	8-BIT	1-CHIP MICROCOMPUTER/2KX8 ROM/128X8 RAM/TIMER/STANDBY VERSN.	3870
MK3880AN	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./4MHZ MAX. CLOCK /ALT. TYPE NO. Z80A-CPU	Z80
MK3880AP	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./4MHZ MAX. CLOCK /ALT. TYPE NO. Z80A-CPU	Z80
MK3880N	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./2.5MHZ MAX. CLOCK /ALT. TYPE NO. Z80-CPU	Z80
MK3880N-4	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./4MHZ MAX. CLOCK /ALT. TYPE NO. Z80-CPU	Z80
MK3880P	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./2.5MHZ MAX. CLOCK /ALT. TYPE NO. Z80-CPU	Z80
MK3880P-4	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./4MHZ MAX. CLOCK /ALT. TYPE NO. Z80-CPU	Z80
MK3880P-10	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./2.5MHZ MAX. CLOCK	Z80
MK3880P-20	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./2.5MHZ MAX. CLOCK	Z80
MK3881AN	PIO	8-BIT	PARALLEL I-O CONTROLLER/4MHZ CLOCK /ALTERN. TYPE NO. Z80A-PIO	Z80A
MK3881AP	PIO	8-BIT	PARALLEL I-O CONTROLLER/4MHZ CLOCK /ALTERN. TYPE NO. Z80A-PIO	Z80
MK3881N	PIO	8-BIT	PARALLEL I-O CONTROLLER/2.5MHZ CLOCK/ALTERN. TYPE NO. Z80-PIO	Z80
MK3881N-4	PIO	8-BIT	PARALLEL I-O CONTROLLER/4 MHZ CLOCK /ALTERN. TYPE NO. Z80-PIO	Z80
MK3881P	PIO	8-BIT	PARALLEL I-O CONTROLLER/2.5MHZ CLOCK/ALTERN. TYPE NO. Z80-PIO	Z80
MK3881P-4	PIO	8-BIT	PARALLEL I-O CONTROLLER/4 MHZ CLOCK /ALTERN. TYPE NO. Z80-PIO	Z80
MK3881P-10	PIO	8-BIT	PARALLEL I-O CONTROLLER/2.5MHZ CLOCK/ALTERN. TYPE NO. Z80-PIO	Z80
MK3881P-20	PIO	8-BIT	PARALLEL I-O CONTROLLER/2.5MHZ CLOCK/ALTERN. TYPE NO. Z80-PIO	Z80
MK3882AP	CTC	8-BIT	COUNTER-TIMER FOR Z80A /ALTERN. TYPE NO. Z80A-CTC/4MHZ CLOCK	Z80A
MK3882N	CTC	8-BIT	COUNTER-TIMER FOR Z80 FAM./ALTERN. TYPE NO. Z80-CTC/2.5MHZ CLOCK	Z80
MK3882N-4	CTC	8-BIT	COUNTER-TIMER FOR Z80 FAM./ALTERN. TYPE NO. Z80-CTC/4MHZ CLOCK	Z80
MK3882N-10	CTC	8-BIT	COUNTER-TIMER FOR Z80 FAM./ALTERN. TYPE NO. Z80-CTC/2.5MHZ CLOCK	Z80
MK3882P	CTC	8-BIT	COUNTER-TIMER FOR Z80 FAM./ALTERN. TYPE NO. Z80-CTC/2.5MHZ CLOCK	Z80
MK3882P-4	CTC	8-BIT	COUNTER-TIMER FOR Z80 FAM./ALTERN. TYPE NO. Z80-CTC/4MHZ CLOCK	Z80
MK3882P-10	CTC	8-BIT	COUNTER-TIMER FOR Z80 FAM./ALTERN. TYPE NO. Z80-CTC/2.5MHZ CLOCK	Z80
MK3883AP	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/4MHZ CLK/ALT. TYPE NO. Z80A-DMA	Z80
MK3883N	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/2.5MHZ CLK/ALT. TYPE NO. Z80-DMA	Z80
MK3883N-4	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/4MHZ CLOCK/ALT. TYPE NO. Z80-DMA	Z80
MK3883P	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/2.5MHZ CLK/ALT. TYPE NO. Z80-DMA	Z80
MK3883P-4	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/4MHZ CLOCK/ALT. TYPE NO. Z80-DMA	Z80
MK3884AP	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80A-SIO/4MHZ	Z80A
MK3884N	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3884N-4	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80A-SIO/4MHZ	Z80
MK3884N-10	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3884P	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3884P-4	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80A-SIO/4MHZ	Z80
MK3884P-10	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3885N	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3885N-4	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80A-SIO/4MHZ	Z80
MK3885N-10	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3885P	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3885P-4	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80A-SIO/4MHZ	Z80
MK3885P-10	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3886	IP/OP	8-BIT	COMBO CHIP/256X8 SRAM/2 PROG. TIMERS/4 INTERRUPT CHANNELS	Z80
MK3887N	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3887N-4	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80A-SIO/4MHZ	Z80
MK3887N-10	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3887P	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK3887P-4	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80A-SIO/4MHZ	Z80
MK3887P-10	SIO	5-8BIT	SERIAL-INPUT-OUTPUT CONTROLLER/ALTERNATE TYPE NO. Z80-SIO/2.5MHZ	Z80
MK4006P-6	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES/50MW STDBY	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MSK	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	280MXMW	MOS	MOS/TS		MK3854N
MSK	DIL-40/2P	NMOS	-40C/+85C	+5V/+12V	280MXMW	MOS	MOS/TS		MK3854N-10
MSK	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	280MXMW	MOS	MOS/TS		MK3854P
MSK	DIL-40/2C	NMOS	-40C/+85C	+5V/+12V	280MXMW	MOS	MOS/TS		MK3854P-10
MSK	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	480MXMW	MOS	MOS/TS		MK3861N
MSK	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	480MXMW	MOS	MOS/TS		MK3861P
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	60TPMA	0.8/2.0V	0.4/2.4V	F3870PC	MK3870N
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL		MK3870N/14XXX
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL		MK3870P/14XXX
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	60TPMA	0.8/2.0V	0.4/2.4V	F3870DC	MK3870P
MSK	DIL-40/2P	NMOS	0C/+70C	+5V/+12V	400MXMW	TTL	TTL		MK3871N
MSK									MK3871N/90XXX
MSK	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	400MXMW	TTL	TTL		MK3871P
									MK3871P/90XXX
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL		MK3872N
MSK									MK3872N/16XXX
MSK									MK3872N/17XXX
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL		MK3872P
MSK									MK3872N/16XXX
MSK									MK3872P/17XXX
MSK	DIL-40/2-	NMOS	0C/+70C	+5V	325TPMW	TTL	TTL		MK3873
MSK	DIL-40/2	NMOS	0C/+70C	+5V		TTL	TTL		MK3874
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	285TPMW	TTL	TTL		MK3876N/16XXX
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	285TPMW	TTL	TTL		MK3876P/16XXX
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	285TPMW	TTL	TTL		MK3876N/17XXX
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	285TPMW	TTL	TTL		MK3876P/17XXX
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	Z80A-CPU-CS	MK3880AN
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	Z80A-CPU-CS	MK3880AP
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	Z80-CPU-CS	MK3880N
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	Z80A-CPU	MK3880N-4
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	Z80-CPU-CS	MK3880P
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	Z80A-CPU	MK3880P-4
MSK	DIL-40/2C	NMOS	-40C/+85C	+5V	200MXMA	TTL	TTL/TS		MK3880P-10
MSK	DIL-40/2C	NMOS	-55C/+125C	+5V	200MXMA	TTL	TTL/TS		MK3880P-20
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	Z80A-PIO	MK3881AN
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	Z80A-PIO	MK3881AP
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	Z80-PIO	MK3881N
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL	Z80A-PIO	MK3881N-4
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	Z80-PIO	MK3881P
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL	Z80A-PIO	MK3881P-4
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL		MK3881P-10
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL		MK3881P-20
ZIL	DIL-28/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	Z80A-CTC	MK3882AP
MSK	DIL-28/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	Z80-CTC	MK3882N
MSK	DIL-28/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	Z80A-CTC	MK3882N-4
MSK	DIL-28/2P	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL		MK3882N-10
MSK	DIL-28/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	Z80-CTC	MK3882P
MSK	DIL-28/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	Z80A-CTC	MK3882P-4
MSK	DIL-28/2C	NMOS	-40C/+85C	+5V	120MXMA	TTL	TTL		MK3882P-10
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL	Z80A-DMA	MK3883AP
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL	Z80-DMA	MK3883N
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL	Z80A-DMA	MK3883N-4
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL	Z80-DMA	MK3883P
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL	Z80A-DMA	MK3883P-4
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80A-SIO	MK3884AP
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80-SIO	MK3884N
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80A-SIO	MK3884N-4
MSK	DIL-40/2P	NMOS	-40C/+85C	+5V	140MXMA	TTL	TTL/TS		MK3884N-10
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80-SIO	MK3884P
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80A-SIO	MK3884P-4
MSK	DIL-40/2C	NMOS	-40C/+85C	+5V	140MXMA	TTL	TTL/TS		MK3884P-10
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80-SIO	MK3885N
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80A-SIO	MK3885N-4
MSK	DIL-40/2P	NMOS	-40C/+85C	+5V	140MXMA	TTL	TTL/TS		MK3885N-10
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80-SIO	MK3885P
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80A-SIO	MK3885P-4
MSK	DIL-40/2C	NMOS	-40C/+85C	+5V	140MXMA	TTL	TTL/TS		MK3885P-10
MSK	DIL-40/2-	NMOS	0C/+70C	+5V		TTL	TTL	Z80-COMBO	MK3886
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80-SIO	MK3887N
MSK	DIL-40/2P	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80A-SIO	MK3887N-4
MSK	DIL-40/2P	NMOS	-40C/+85C	+5V	140MXMA	TTL	TTL/TS		MK3887N-10
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80-SIO	MK3887P
MSK	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL/TS	Z80A-SIO	MK3887P-4
MSK	DIL-40/2C	NMOS	-40C/+85C	+5V	140MXMA	TTL	TTL/TS		MK3887P-10
MSK	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	544MXMW	TTL	TTL	S4006-4H	MK4006P-6

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MK4007N	SRAM	1-BIT	256=256X1/MAX. ACCESS 900NS/4X 4Y 1CS ADDRESS LINES/3.2MA OUTPUT	GEN. PURP.
MK4007N-4	SRAM	1-BIT	256=256X1/MAX. ACCESS 900NS/4X 4Y 1CS ADDRESS LINES/3MA OUTPUT	GEN. PURP.
MK4007P	SRAM	1-BIT	256=256X1/MAX. ACCESS 900NS/4X 4Y 1CS ADDRESS LINES/3.2MA OUTPUT	GEN. PURP.
MK4007P-4	SRAM	1-BIT	256=256X1/MAX. ACCESS 900NS/4X 4Y 1CS ADDRESS LINES/3MA OUTPUT	GEN. PURP.
MK4008P-6	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MK4027J-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 120NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027J-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027J-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027J-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027N-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 120NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027N-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027N-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027N-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027P-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 120NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027P-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027P-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/	GEN. PURP.
MK4027P-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDR. 1CS LINES/27MXMW STNDBY	GEN. PURP.
MK4027P-83	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MUX. ADDR. 1CS LINES/40MXMW STNDBY	GEN. PURP.
MK4027P-84	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDR. 1CS LINES/40MXMW STNDBY	GEN. PURP.
MK4096K-77	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
MK4096K-85	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
MK4096K-86	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
MK4096N-6	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4096N-11	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4096N-15	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MULTIPLEXED ADDRESS 1CS LINES/15V	GEN. PURP.
MK4096N-16	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4096P-6	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4096P-11	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4096P-15	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MULTIPLEXED ADDRESS 1CS LINES/15V	GEN. PURP.
MK4096P-16	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4096P-77	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4096P-85	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4096P-86	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4102N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MK4102N-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MK4102N-11	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MK4102N-12	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MK4102P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MK4102P-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MK4102P-6	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MK4104N-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDR. LINES/50MXMW STANDBY	GEN. PURP.
MK4104N-4	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CE ADDR. LINES/50MXMW STANDBY	GEN. PURP.
MK4104N-5	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDR. LINES/50MXMW STANDBY	GEN. PURP.
MK4104N-6	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CS ADDR. LINES/50MXMW STANDBY	GEN. PURP.
MK4104N-33	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDR. LINES/3V DATA RETNTN	GEN. PURP.
MK4104N-34	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDR. LINES/3V DATA RETNTN	GEN. PURP.
MK4104N-35	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDR. LINES/3V DATA RETNTN	GEN. PURP.
MK4104P-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDR. LINES/50MXMW STANDBY	GEN. PURP.
MK4104P-4	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CE ADDR. LINES/50MXMW STANDBY	GEN. PURP.
MK4104P-5	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDR. LINES/50MXMW STANDBY	GEN. PURP.
MK4104P-6	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CS ADDR. LINES/50MXMW STANDBY	GEN. PURP.
MK4104P-33	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDR. LINES/3V DATA RETNTN	GEN. PURP.
MK4104P-34	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDR. LINES/3V DATA RETNTN	GEN. PURP.
MK4104P-35	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDR. LINES/3V DATA RETNTN	GEN. PURP.
MK4104P-85	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDR. LINES/53MXMW STANDBY	GEN. PURP.
MK4104P-86	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CS ADDR. LINES/53MXMW STANDBY	GEN. PURP.
MK4114N-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/12 ADDRESS 1CE LINES/5MXMA STANDBY	GEN. PURP.
MK4114N-4	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/12 ADDRESS 1CE LINES/5MXMA STANDBY	GEN. PURP.
MK4114N-5	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/12 ADDRESS 1CE LINES/5MXMA STANDBY	GEN. PURP.
MK4114P-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/12 ADDRESS 1CE LINES/5MXMA STANDBY	GEN. PURP.
MK4114P-4	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/12 ADDRESS 1CE LINES/5MXMA STANDBY	GEN. PURP.
MK4114P-5	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/12 ADDRESS 1CE LINES/5MXMA STANDBY	GEN. PURP.
MK4116J-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX. ADDRESS LINES	GEN. PURP.
MK4116J-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDRESS LINES	GEN. PURP.
MK4116P-1	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 120NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MK4116P-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MK4116P-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MK4116P-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
MK4200K-11	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
MK42005-16	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
MK4200N-11	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
MK4200N-16	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
MK4200P-11	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
MK4200P-16	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
MK4227N-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MSK	DIL-16/1P	PMOS	0C/+75C	-9V/+5V	535MXMW	TTL	TTL	P1101A	MK4007N
MSK	DIL-16/1C	PMOS	0C/+75C	-9V/+5V	535MXMW	TTL	TTL	P1101A	MK4007N-4
MSK	DIL-16/1C	PMOS	0C/+75C	-9V/+5V	535MXMW	TTL	TTL	C1101A	MK4007P
MSK	DIL-16/1C	PMOS	0C/+75C	-9V/+5V	535MXMW	TTL	TTL	C1101A	MK4007P-4
MSK	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	544MXMW	TTL	TTL	MK4006P-6	MK4008P-6
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-1DC	MK4027J-1
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-2DC	MK4027J-2
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-3DC	MK4027J-3
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-4DC	MK4027J-4
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-1PC	MK4027N-1
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-2PC	MK4027N-2
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-3PC	MK4027N-3
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-4PC	MK4027N-4
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS		MK4027P-1
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-2DC	MK4027P-2
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-3DC	MK4027P-3
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	M4027-4DC	MK4027P-4
MSK	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	467MXMW	TTL	TTL/TS		MK4027P-83
MSK	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	467MXMW	TTL	TTL/TS		MK4027P-84
MSK	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	570MXMW	TTL	TTL/TS		MK4096K-77
MSK	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	500MXMW	TTL	TTL/TS		MK4096K-85
MSK	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	450MXMW	TTL	TTL/TS		MK4096K-86
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	40963DC	MK4096N-6
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	40965DC	MK4096N-11
MSK	DIL-16/1P	NMOS	0C/+55C	-5V/+5V/+15V	35MXMA	TTL	TTL/TS	40965DC	MK4096N-15
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	30MXMA	TTL	TTL/TS	40964DC	MK4096N-16
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	40963DC	MK4096P-6
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	40965DC	MK4096P-11
MSK	DIL-16/1C	NMOS	0C/+55C	-5V/+5V/+15V	35MXMA	TTL	TTL/TS	40965DC	MK4096P-15
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	30MXMA	TTL	TTL/TS	40964DC	MK4096P-16
MSK	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	45MXMA	TTL	TTL	40963DC	MK4096P-77
MSK	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	35MXMA	TTL	TTL	40965DC	MK4096P-85
MSK	DIL-16/1C	NMOS	-55C/+85C	-5V/+5V/+12V	40MXMA	TTL	TTL	40964DC	MK4096P-86
MSK	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-6	MK4102N
MSK	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-6	MK4102N-1
MSK	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	P2102A-4	MK4102N-11
MSK	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	P2102A-6	MK4102N-12
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-6	MK4102P
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A-4	MK4102P-1
ADM	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A-6	MK4102P-6
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL	MM5257	MK4104N-3
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL	MM5257	MK4104N-4
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL	MM5257	MK4104N-5
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL		MK4104N-6
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL		MK4104N-33
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL		MK4104N-34
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL		MK4104N-35
MSK	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL	MM5257	MK4104P-3
MSK	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL	MM5257	MK4104P-4
MSK	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL	MM5257	MK4104P-5
MSK	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL		MK4104P-6
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL		MK4104P-33
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL		MK4104P-34
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMW	TTL	TTL		MK4104P-35
MSK	DIL-18/1P	NMOS	-55C/+125C	+5V	110MXMW	TTL	TTL		MK4104P-85
MSK	DIL-18/1P	NMOS	-55C/+125C	+5V	110MXMW	TTL	TTL		MK4104P-86
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	27MXMA	TTL	TTL		MK4114N-3
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	27MXMA	TTL	TTL		MK4114N-4
MSK	DIL-18/1P	NMOS	0C/+70C	+5V	27MXMA	TTL	TTL		MK4114N-5
MSK	DIL-18/1C	NMOS	0C/+70C	+5V	27MXMA	TTL	TTL		MK4114P-3
MSK	DIL-18/1C	NMOS	0C/+70C	+5V	27MXMA	TTL	TTL		MK4114P-4
MSK	DIL-18/1C	NMOS	0C/+70C	+5V	27MXMA	TTL	TTL		MK4114P-5
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4116C-15	MK4116J-2
INS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4116C-20	MK4116J-3
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS		MK4116P-1
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	ITT4116-2	MK4116P-2
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	ITT4116-3	MK4116P-3
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	ITT4116-4	MK4116P-4
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS		MK4200K-11
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	360MXMW	TTL	TTL/TS		MK4200K-16
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS		MK4200N-11
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	360MXMA	TTL	TTL/TS		MK4200N-16
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS		MK4200P-11
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	360MXMW	TTL	TTL/TS		MK4200P-16
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4227	MK4227N-2

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MK4227N-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4227N-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4227P-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4227P-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4227P-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
MK4404P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/10 ADDRESS 1CE LINES	GEN. PURP.
MK4451P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/12 ADDRESS 1CE LINES	GEN. PURP.
MK28000N	MROM	4/8BIT	16=2048X8 OR 4096X4/MAX. ACCESS 600NS/DYN./12 OR 13 ADDRS. LINES	GEN. PURP.
MK28000P	MROM	4/8BIT	16=2048X8 OR 4096X4/MAX. ACCESS 600NS/DYN./12 OR 13 ADDRS. LINES	GEN. PURP.
MK30000N	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/6X 4Y 2CS ADDRESS LINES/2708 PINNING	GEN. PURP.
MK30000P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/6X 4Y 2CS ADDRESS LINES/2708 PINNING	GEN. PURP.
MK31000N-3	MROM	8-BIT	16K=2096X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
MK31000P-3	MROM	8-BIT	16K=2096X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
MK32000N-5	MROM	8-BIT	32K=4096X8/MAX. ACCESS 300NS/8X 4Y 1CS ADDRESS LINES	GEN. PURP.
MK32000P-5	MROM	8-BIT	32K=4096X8/MAX. ACCESS 300NS/8X 4Y 1CS ADDRESS LINES	GEN. PURP.
MK34000N-3	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
MK34000P-3	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
MK34000P-84	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
MK34073N-3	CHRGN	8-BIT	16K=2096X8 MROM ASCII CHAR. GENERATOR/HOR-5X8 AND VERT. 5X7 CHAR	GEN. PURP.
MK34073P-3	CHRGN	8-BIT	16K=2096X8 MROM ASCII CHAR. GEN./HOR 5X8 AND VERT 5X7 CHARACTERS	GEN. PURP.
MK36000N-4	MROM	8-BIT	64K=8192X8/MAX. ACCESS 250NS/8X 5Y 1CE ADDRESS LINES	GEN. PURP.
MK36000P-4	MROM	8-BIT	64K=8192X8/MAX. ACCESS 250NS/8X 5Y 1CE ADDRESS LINES	GEN. PURP.
MK36000P-5	MROM	8-BIT	64K=8192X8/MAX. ACCESS 300NS/8X 5Y 1CE ADDRESS LINES	GEN. PURP.
MK90001	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3861 PERIPHERAL INPUT-OUTPUT CIRCUIT	F8
MK90002	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3861 PERIPHERAL INPUT-OUTPUT CIRCUIT	F8
MK90003	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3861 PERIPHERAL INPUT-OUTPUT CIRCUIT	F8
MK90004	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3861 PERIPHERAL INPUT-OUTPUT CIRCUIT	F8
MK90005	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3861 PERIPHERAL INPUT-OUTPUT CIRCUIT	F8
MK90070	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3871 PERIPHERAL INPUT-OUTPUT CIRCUIT	3870
MK90071	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3871 PERIPHERAL INPUT-OUTPUT CIRCUIT	3870
MK90072	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3871 PERIPHERAL INPUT-OUTPUT CIRCUIT	3870
MK90073	PIO	8-BIT	PORT-ALLOCATED VERSION OF MK3871 PERIPHERAL INPUT-OUTPUT CIRCUIT	3870
MK97400	MICMP	8-BIT	MK3874 VERSION FOR 2758(1KX8),2716(2KX8),2532(4KX8) OUTBRD PROMS	3870
MK97401	MICMP	8-BIT	MK97400 WITH PLUG-IN PIGGYBACK MK2716 2KX8 EPROM FITTED	3870
MK97402	MICMP	8-BIT	MK3874 VERSION FOR 82S2708 (1KX8) OR 2732 (4KX8) PIGGYBACK EPROM	3870
MK97403	MICMP	8-BIT	MK97401 WITH LOW-POWER STANDBY OPTION	3870
MK97404	MICMP	8-BIT	MK97403 WITH PLUG-IN PIGGYBACK MK2716 2KX8 EPROM FITTED	3870
MK97405	MICMP	8-BIT	MK3874 VERSN. FOR 82S2708 (1KX8) OR 2732 (4KX8) EPROMS/STDBY PWR	3870
MM54C89D	SRAM	4-BIT	64=16X4/MAX. ACCESS 280NS(10V)-650NS(5V)/4 ADDRESS 1CE LINES	GEN. PURP.
MM54C200D	SRAM	1-BIT	256=256X1/MAX. ACCESS 400NS(10V)-900NS(5V)/4X 4Y 3CS ADDR. LINES	GEN. PURP.
MM54C910D	SRAM	4-BIT	256=64X4/MAX. ACCESS 500NS/6 ADDRESS 1CE LINES	GEN. PURP.
MM54C920D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 275NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
MM74C200D	SRAM	1-BIT	256=256X1/MAX. ACCESS 400NS(10V)-900NS(5V)/4X 4Y 3CS ADDR. LINES	GEN. PURP.
MM74C200N	SRAM	1-BIT	256=256X1/MAX. ACCESS 400NS(10V)-900NS(5V)/4X 4Y 3CS ADDR. LINES	GEN. PURP.
MM74C910D	SRAM	4-BIT	256=64X4/MAX. ACCESS 500NS/6 ADDRESS 1CE LINES	GEN. PURP.
MM74C910N	SRAM	4-BIT	256=64X4/MAX. ACCESS 500NS/6 ADDRESS 1CE LINES	GEN. PURP.
MM74C920D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
MM74C920N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
MM75(PPS-4/1)	MICMP	4-BIT	SEE PPS-4/1(MM75)	
MM76C(PPS-4/1)	MICMP	4-BIT	SEE PPS-4/1(MM76C)	
MM76D(PPS-4/1)	MICMP	4-BIT	SEE PPS-4/1(MM76D)	
MM76E(PPS-4/1)	MICMP	4-BIT	SEE PPS-4/1(MM76E)	
MM76(PPS-4/1)	MICMP	4-BIT	SEE PPS4/1(MM76)	
MM77(PPS-4/1)	MICMP	4-BIT	SEE PPS-4/1(MM77)	
MM78(PPS-4/1)	MICMP	4-BIT	SEE PPS-4/1(MM78)	
MM1101A1D	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM1101A1N	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM1101A2D	SRAM	1-BIT	256=256X1/MAX. ACCESS 500NS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM1101A2N	SRAM	1-BIT	256=256X1/MAX. ACCESS 500NS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM1101AD	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM1101AN	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM1101D	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM1101N	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM1702AD	PROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS,1CS LINES	GEN. PURP.
MM1702AQ	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS,1CS LINES	GEN. PURP.
MM2101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/ 5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101A-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/ 5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101A-2L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101A-4L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	8080
MM2101A-6	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101A-6L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101A-L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4227	MK4227N-3
MSK	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4227	MK4227N-4
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4227	MK4227P-2
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4227	MK4227P-3
MSK	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MCM4227	MK4227P-4
MSK	DIL-18/1C	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL		MK4404P
MSK	DIL-18/1C	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL		MK4451P
MSK	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	595MXMW	TTL	TTL	EA4900	MK28000N
MSK	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	595MXMW	TTL	TTL	EA4900	MK28000P
MSK	DIL-24/2P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTS/TS		MK30000N
MSK	DIL-24/2C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		MK30000P
MSK	DIL-24/2P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2316A/8316A	MK31000N-3
MSK	DIL-24/2C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2316A/8316A	MK31000P-3
MSK	DIL-24/2P	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS		MK32000N-5
MSK	DIL-24/2C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS		MK32000P-5
MSK	DIL-24/2P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		MK34000N-3
MSK	DIL-24/2C	NMOS	0C/+70C	+5V	330MXMA	TTL	TTL/TS		MK34000P-3
MSK	DIL-24/2C	NMOS	-55C/+125C	+5V	550MXMW	TTL	TTL/TS		MK34000P-84
MSK	DIL-24/2P	NMOS	0C/+70C	+5V	330MXMW	TTL	TTL/TS		MK34073N-3
MSK	DIL-24/2C	NMOS	0C/+70C	+5V	330MXMW	TTL	TTL/TS		MK34073P-3
MSK	DIL-24/2C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS		MK36000N-4
MSK	DIL-24/2C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS		MK36000P-4
MSK	DIL-24/2C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS		MK36000P-5
MSK	DIL-40/2-	NMOS	0C/+70C	+5V/+12V	480MXMW	MOS	MOS/TS		MK90001
MSK	DIL-40/2-	NMOS	0C/+70C	+5V/+12V	480MXMW	MOS	MOS/TS		MK90002
MSK	DIL-40/2-	NMOS	0C/+70C	+5V/+12V	480MXMW	MOS	MOS/TS		MK90003
MSK	DIL-40/2-	NMOS	0C/+70C	+5V/+12V	480MXMW	MOS	MOS/TS		MK90004
MSK	DIL-40/2-	NMOS	0C/+70C	+5V/+12V	480MXMW	MOS	MOS/TS		MK90005
MSK	DIL-40/2-	NMOS	0C/+70C	+5V/+12V	400MXMW	TTL	TTL		MK90070
MSK	DIL-40/2-	NMOS	0C/+70C	+5V/+12V	400MXMW	TTL	TTL		MK90071
MSK	DIL-40/2-	NMOS	0C/+70C	+5V/+12V	400MXMW	TTL	TTL		MK90072
MSK	DIL-40/2-	NMOS	0C/+70C	+5V/+12V	400MXMW	TTL	TTL		MK90073
MSK	DIL-40/2-	NMOS	0C/+70C	+5V		TTL	TTL		MK97400
MSK	DIL-40/2-	NMOS	0C/+70C	+5V		TTL	TTL		MK97401
MSK	DIL-40/2-	NMOS	0C/+70C	+5V		TTL	TTL		MK97402
MSK	DIL-40/2-	NMOS	0C/+70C	+5V		TTL	TTL		MK97403
MSK	DIL-40/2-	NMOS	0C/+70C	+5V		TTL	TTL		MK97404
MSK	DIL-40/2-	NMOS	0C/+70C	+5V		TTL	TTL		MK97405
NAT	DIL-16/1C	CMOS	-55C/+125C	+10V(+5V)	300MXUA	TTL	TTL/TS		MM54C89D
NAT	DIL-16/1C	CMOS	-55C/+125C	+10V(+5V)	100TPNA	TTL	TTL/TS		MM54C200D
NAT	DIL-18/1C	CMOS	-55C/+125C	+5V	300MXUA	TTL	TTL/TS		MM54C910D
NAT	DIL-22/4C	CMOS	-55C/+125C	+5V	100MXUA	TTL	TTL/TS		MM54C920D
NAT	DIL-16/1C	CMOS	-40C/+70C	+10V(+5V)	100TPNA	TTL	TTL/TS	MM74C200N	MM74C200D
NAT	DIL-16/1P	CMOS	-40C/+70C	+10V(+5V)	100TPNA	TTL	TTL/TS	MM74C200D	MM74C200N
NAT	DIL-18/1C	CMOS	-40C/+85C	+5V	300MXUA	TTL	TTL/TS	MM74C910N	MM74C910D
NAT	DIL-18/1P	CMOS	-40C/+85C	+5V	300MXUA	TTL	TTL/TS	MM74C910D	MM74C910N
NAT	DIL-22/4C	CMOS	-40C/+85C	+5V	100MXUA	TTL	TTL/TS	MM74C920N	MM74C920D
NAT	DIL-22/4P	CMOS	-40C/+85C	+5V	100MXUA	TTL	TTL/TS	MM74C920D	MM74C920N
ROK									MM75(PPS-4/1)
ROK									MM76C(PPS-4/1)
ROK									MM76D(PPS-4/1)
ROK									MM76E(PPS-4/1)
ROK									MM76(PPS-4/1)
ROK									MM77(PPS-4/1)
ROK									MM78(PPS-4/1)
NAT	DIL-16/1G	PMOS	0C/+70C	-9V/+5V	37MXMA	TTL	TTL/TS	C1101A1	MM1101A1D
NAT	DIL-16/1P	PMOS	0C/+70C	-9V/+5V	37MXMA	TTL	TTL/TS	P1101A1	MM1101A1N
NAT	DIL-16/1G		0C/+70C	-9V/+5V	37MXMA	TTL	TTL/TS		MM1101A2D
NAT	DIL-16/1P	PMOS	0C/+70C	-9V/+5V	37MXMA	TTL	TTL/TS		MM1101A2N
NAT	DIL-16/1G	PMOS	0C/+70C	-9V/+5V	37MXMA	TTL	TTL/TS	C1101A	MM1101AD
NAT	DIL-16/1P	PMOS	0C/+70C	-9V/+5V	37MXMA	TTL	TTL/TS	P1101A	MM1101AN
NAT	DIL-16/1G	PMOS	0C/+70C	-10V/-7V/+5V	37MXMA	TTL	TTL/TS	MM1101AD	MM1101D
NAT	DIL-16/1P	PMOS	0C/+70C	-10V/-7V/+5V	37MXMA	TTL	TTL/TS	P1101A	MM1101N
NAT	DIL-24/2M	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS	C1702A	MM1702AD
NAT	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS	C1702A	MM1702AQ
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	C2101	MM2101
NAT	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2101A-4	MM2101A
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	C2101A-2	MM2101A-2
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	C2101A-2	MM2101A-2L
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B2101A-4	MM2101A-4
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B2101A-4	MM2101A-4L
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	C2101A-4	MM2101A-6
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	C2101A-6	MM2101A-6L
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B2101A	MM2101A-L
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	MM2101D

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MM2101-N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/ 5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101-1D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101-1N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101-2D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2101-2N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2102D	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS /5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MM2102MD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MM2102N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MM2102-1D	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
MM2102-1N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MM2102-2D	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MM2102-2MD	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MM2102-2N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
MM2111D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2111N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2111-1D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2111-1N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2111-2D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2111-2N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM2112AD	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM2112AN	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM2112D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM2112N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM2112-2D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM2112-2N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM2708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
MM2708Q	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM2708Q-1	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 350NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM3501J	MROM	8-BIT	1K=128X8/STATIC ROM/MAX. READ 4uS/7 ADDRESS 1CS LINES	GEN. PURP.
MM3501N	MROM	8-BIT	1K=128X8/STATIC ROM/MAX. READ 4uS/7 ADDRESS 1CS LINES	GEN. PURP.
MM4203D	PROM	4/8BIT	2K=512X4(256X8)/MAX. ACCESS 1uS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM4203Q	EPROM	4/8BIT	2K=512X4(256X8)/MAX. ACCESS 1uS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM4204D	PROM	8-BIT	4K=512X8/MAX. ACCESS 1.25uS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM4204Q	EPROM	8-BIT	4K=512X8/MAX. ACCESS 1.25uS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM4210J	MROM	4-BIT	1K=256X4/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.
MM4211J	MROM	4-BIT	1K=256X4/MAX. ACCESS 950NS/8 ADDRESS 1CE LINES	GEN. PURP.
MM4213J	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM4214J	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM4220J	MROM	4-8BIT	1K=256X4,128X8/MAX. ACCESS 650NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM4221J	MROM	4-8BIT	1K=256X4,128X8/MAX. ACCESS 950NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM4229D	MROM	12-BIT	3K=256X12/MAX. ACCESS 1.4uS/8 ADDRESS 2CS 1CE LINES	GEN. PURP.
MM4229N	MROM	12-BIT	3K=256X12/MAX. ACCESS 1.4uS/8 ADDRESS 2CS 1CE LINES	GEN. PURP.
MM4230J	MROM	4-8BIT	2K=512X4,256X8/MAX. ACCESS 725NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM4231J	MROM	4-8BIT	2K=512X4,256X8/MAX. ACCESS 950NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM4232J	MROM	4-8BIT	4K=1024X4,512X8/MAX. ACCESS 1uS/7X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM4233J	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
MM4241J	MROM	8-BIT	3072=64X6X8/MAX. ACCESS 900NS/6X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM4242D	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
MM4246D	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
MM4250D	SRAM	1-BIT	256=256X1/MAX. ACCESS 650NS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM4261D	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 3CS ADDRESS LINES	GEN. PURP.
MM4262D	DRAM	1-BIT	2K=2048X1/MAX. ACCESS 470NS/5X 6Y 1CS ADDRESS LINES	GEN. PURP.
MM5203D	PROM	4/8BIT	2K=512X4(256X8)/MAX. ACCESS 1uS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM5203Q	EPROM	4/8BIT	2K=512X4(256X8)/MAX. ACCESS 1uS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM5204D	PROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM5204Q	EPROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM5210J	MROM	4-BIT	1K=256X4/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.
MM5210N	MROM	4-BIT	1K=256X4/MAX. ACCESS 650NS/8 ADDRESS 1CS LINES	GEN. PURP.
MM5211J	MROM	4-BIT	1K=256X4/MAX. ACCESS 950NS/8 ADDRESS 1CE LINES	GEN. PURP.
MM5211N	MROM	4-BIT	1K=256X4/MAX. ACCESS 950NS/8 ADDRESS 1CE LINES	GEN. PURP.
MM5212AD	MROM	12-BIT	12K=1024X12/MAX. ACCESS 5uS/7X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM5212AN	MROM	12-BIT	12K=1024X12/MAX. ACCESS 5uS/7X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM5213J	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM5213N	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM5214J	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM5214N	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
MM5215AD	MROM	12-BIT	12K=1024X12/MAX. ACCESS 1.5uS/7X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM5215AN	MROM	12-BIT	12K=1024X12/MAX. ACCESS 1.5uS/7X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM5220J	MROM	4-8BIT	1K=256X4,128X8/MAX. ACCESS 650NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM5220N	MROM	4-8BIT	1K=256X4,128X8/MAX. ACCESS 650NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM5221J	MROM	4-8BIT	1K=256X4,128X8/MAX. ACCESS 950NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM5221N	MROM	4-8BIT	1K=256X4,128X8/MAX. ACCESS 950NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM5229D	MROM	12-BIT	3K=256X12/MAX. ACCESS 1.4uS/8 ADDRESS 2CS 1CE LINES	GEN. PURP.
MM5230J	MROM	4-8BIT	2K=512X4,256X8/MAX. ACCESS 725NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
NAT	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2101A-4	MM2101-N
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	C2101-1	MM2101-1
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	MM2101-1D
NAT	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2101A-4	MM2101-1N
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	MM2101-2D
NAT	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2101A-4	MM2101-2N
NAT	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	C2102	MM2102D
NAT	DIL-16/1M	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS	MD2102AL4	MM2102MD
NAT	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A	MM2102N
NAT	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A-4	MM2102-1D
NAT	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-4	MM2102-1N
NAT	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A-6	MM2102-2D
NAT	DIL-16/1M	NMOS	-55C/+125C	+5V	55MXMA	TTL	TTL/TS	MB2102A-4	MM2102-2MD
NAT	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-6	MM2102-2N
NAT	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A	MM2111D
NAT	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A	MM2111N
NAT	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A	MM2111-1D
NAT	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A	MM2111-1N
NAT	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A	MM2111-2D
NAT	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A	MM2111-2N
NAT	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A	MM2112AD
NAT	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A	MM2112AN
NAT	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMW	TTL	TTL/TS	D2112A-4	MM2112D
NAT	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2112A-4	MM2112N
NAT	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMW	TTL	TTL/TS	D2112A	MM2112-2D
NAT	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2112A	MM2112-2N
NAT	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708	MM2708
NAT	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708	MM2708Q
NAT	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708-1	MM2708Q-1
NAT	DIL-24/2C	PMOS	0C/+70C	-27V/-27V/-13V	215MXMW	PMOS	PMOS		MM3501J
NAT	DIL-24/2P	PMOS	0C/+70C	-27V/-27V/-13V	215MXMW	PMOS	PMOS		MM3501N
NAT	DIL-24/2C	PMOS	-55C/+85C	-12V/+5V	55MXMA	TTL	TTL/TS		MM4203D
NAT	DIL-24/2Q	PMOS	-55C/+85C	-12V/+5V	55MXMA	TTL	TTL/TS		MM4203Q
NAT	DIL-24/2M	PMOS	-55C/+85C	-12V/+5V	50MXMA	TTL	TTL/TS		MM4204D
NAT	DIL-24/2Q	PMOS	-55C/+85C	-12V/+5V	50MXMA	TTL	TTL/TS		MM4204Q
NAT	DIL-16/1C	PMOS	-55C/+125C	-12V/+12V	300MXMW	TTL	TTL/OC		MM4210J
NAT	DIL-16/1C	PMOS	-55C/+125C	-12V/+5V	150MXMW	TTL	TTL/OC		MM4211J
NAT	DIL-24/2C	PMOS	-55C/+125C	-12V/+5V	37MXMA	TTL	TTL/TS		MM4213J
NAT	DIL-24/2C	PMOS	-55C/+125C	-12V/+5V	37MXMA	TTL	TTL/TS		MM4214J
NAT	DIL-24/2C	PMOS	-55C/+125C	-12V/+12V	300MXMW	+2/+12V	TTL/OC		MM4220J
NAT	DIL-24/2C	PMOS	-55C/+125C	-12V/+5V	60MXMW	TTL	TTL/OC		MM4221J
NAT	DIL-28/2C	PMOS	-55C/+125C	-12V/+5V	32MXMA	TTL	TTL/OD		MM4229D
NAT	DIL-28/1P	PMOS	-25C/+70C	-12V/+5V	32MXMA	TTL	TTL/OD		MM4229N
NAT	DIL-24/2C	PMOS	-55C/+125C	-12V/+12V	480MXMW	TTL	TTL/OC		MM4230J
NAT	DIL-24/2C	PMOS	-55C/+125C	-12V/+5V	150MXMW	TTL	TTL/OC		MM4231J
NAT	DIL-24/2C	PMOS	-55C/+125C	-12V/+5V	37MXMA	TTL	TTL/TS		MM4232J
NAT	DIL-24/2C	PMOS	-55C/+125C	-12V/+5V	30MXMA	TTL	TTL/TS		MM4233J
NAT	DIL-24/2C	PMOS	-55C/+125C	-12V/+5V	37MXMA	TTL	TTL/TS		MM4241J
NAT	DIL-24/2C	NMOS	-55C/+125C	+5V		TTL	TTL/TS		MM4242D
NAT	DIL-24/2C	NMOS	-55C/+125C	+5V		TTL	TTL/TS		MM4246D
NAT	DIL-16/1G	PMOS	-55C/+125C	-9V/+5V	37MXMA	TTL	TTL/TS		MM4250D
NAT	DIL-18/1C	PMOS	-55C/+125C	-12V/+5V/+6.5V	34MXMA	TTL	TTL/TS		MM4261D
NAT	DIL-22/4C	PMOS	-55C/+125C	-15V/+5V/+8V	18MXMA	TTL	TTL		MM4262D
NAT	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	55MXMA	TTL	TTL/TS		MM5203D
NAT	DIL-24/2Q	PMOS	0C/+70C	-12V/+5V	55MXMA	TTL	TTL/TS		MM5203Q
NAT	DIL-24/2M	PMOS	0C/+70C	-12V/+5V	40MXMA	TTL	TTL/TS		MM5204D
NAT	DIL-24/2Q	PMOS	0C/+70C	-12V/+5V	40MXMA	TTL	TTL/TS		MM5204Q
NAT	DIL-16/1C	PMOS	0C/+70C	-12V/+12V	300MXMW	TTL	TTL/OC		MM5210J
NAT	DIL-16/1P	PMOS	0C/+70C	-12V/+12V	300MXMW	TTL	TTL/OC		MM5210N
NAT	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	150MXMW	TTL	TTL/OC		MM5211J
NAT	DIL-16/1P	PMOS	0C/+70C	-12V/+5V	150MXMW	TTL	TTL/OC		MM5211N
NAT	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	170MXMW	TTL	TTL/OD		MM5212AD
NAT	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	170MXMW	TTL	TTL/OD		MM5212AN
NAT	DIL-24/2C	PMOS	-25C/+70C	-12V/+5V	37MXMA	TTL	TTL/TS		MM5213J
NAT	DIL-24/2P	PMOS	-25C/+70C	-12V/+5V	37MXMA	TTL	TTL/TS		MM5213N
NAT	DIL-24/2C	PMOS	-25C/+70C	-12V/+5V	37MXMA	TTL	TTL/TS		MM5214J
NAT	DIL-24/2P	PMOS	-25C/+70C	-12V/+5V	37MXMA	TTL	TTL/TS		MM5214N
NAT	DIL-28/2C	PMOS	0C/+70C	-12V/+12V	300MXMW	TTL	TTL/TS		MM5215AD
NAT	DIL-28/2P	PMOS	0C/+70C	-12V/+12V	300MXMW	TTL	TTL/TS		MM5215AN
NAT	DIL-24/2C	PMOS	0C/+70C	-12V/+12V	300MXMW	+2/+12V	TTL/OC		MM5220J
NAT	DIL-24/2P	PMOS	0C/+70C	-12V/+12V	300MXMW	+2/+12V	TTL/OC		MM5220N
NAT	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	60MXMW	TTL	TTL/OC		MM5221J
NAT	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	60MXMW	TTL	TTL/OC		MM5221N
NAT	DIL-28/2C	PMOS	-25C/+70C	-12V/+5V	32MXMA	TTL	TTL/OD		MM5229D
NAT	DIL-24/2C	PMOS	0C/+70C	-12V/+12V	480MXMW	TTL	TTL/OC		MM5230J

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MM5230N	MROM	4-8BIT	2K=512X4,256X8/MAX. ACCESS 725NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM5231J	MROM	4-8BIT	2K=512X4,256X8/MAX. ACCESS 950NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM5231N	MROM	4-8BIT	2K=512X4,256X8/MAX. ACCESS 950NS/7 ADDRESS 1CS 1CE LINES	GEN. PURP.
MM5232J	MROM	4-8BIT	4K=1024X4,512X8/MAX. ACCESS 1uS/7X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM5232N	MROM	4-8BIT	4K=1024X4,512X8/MAX. ACCESS 1uS/7X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM5233J	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
MM5233N	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
MM5241J	MROM	8-BIT	3072=64X6X8/MAX. ACCESS 900NS/6X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM5241N	MROM	8-BIT	3072=64X6X8/MAX. ACCESS 900NS/6X 3Y 2CE ADDRESS LINES	GEN. PURP.
MM5242D	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
MM5242N	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
MM5246D	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
MM5246N	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
MM5261D	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 3CS ADDRESS LINES	GEN. PURP.
MM5261N	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 3CS ADDRESS LINES	GEN. PURP.
MM5262D	DRAM	1-BIT	2K=2048X1/MAX. ACCESS 365NS/5X 6Y 1CS ADDRESS LINES	GEN. PURP.
MM5262N	DRAM	1-BIT	2K=2048X1/MAX. ACCESS 365NS/5X 6Y 1CS ADDRESS LINES	GEN. PURP.
MM5269D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM5269N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
MM5270D	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MM5270D-5	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 270NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MM5271D	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MM5280D	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MM5280D-5	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 270NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MM5281D	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MM11011D	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MM11011N	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MMH0026CG	DRVR	.	DUAL MOS CLOCK DRIVER/MAX. TRANSITION 40NS/20V OUTPUT SWING	GEN. PURP.
MMH0026CL	DRVR	.	DUAL MOS CLOCK DRIVER/MAX. TRANSITION 40NS/20V OUTPUT SWING	GEN. PURP.
MMH0026CP1	DRVR	.	DUAL MOS CLOCK DRIVER/MAX. TRANSITION 40NS/20V OUTPUT SWING	GEN. PURP.
MMH0026CU	DRVR	.	DUAL MOS CLOCK DRIVER/MAX. TRANSITION 40NS/20V OUTPUT SWING	GEN. PURP.
MMH0026G	DRVR	.	DUAL MOS CLOCK DRIVER/MAX. TRANSITION 40NS/20V OUTPUT SWING	GEN. PURP.
MMH0026L	DRVR	.	DUAL MOS CLOCK DRIVER/MAX. TRANSITION 40NS/20V OUTPUT SWING	GEN. PURP.
MMH0026U	DRVR	.	DUAL MOS CLOCK DRIVER/MAX. TRANSITION 40NS/20V OUTPUT SWING	GEN. PURP.
MMI82S100	FPLA	8-BIT	BIPOLAR PROGRAMMABLE LOGIC ARRAY	6700
MMI82S101	FPLA	8-BIT	BIPOLAR PROGRAMMABLE LOGIC ARRAY	6700
MMI93L415	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI93L425	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI5200-1	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI5201-1	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI5205-1	MROM	4-BIT	2K=512X4/MAX. ACCESS 75NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI5206-1	MROM	4-BIT	2K=512X4/MAX. ACCESS 75NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI5230-1	MROM	8-BIT	256=32X8/MAX. ACCESS 60NS/5 ADDRESS 1CE LINES	GEN. PURP.
MMI5231-1	MROM	8-BIT	256=32X8/MAX. ACCESS 60NS/5 ADDRESS 1CE LINES	GEN. PURP.
MMI5240-1	MROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CE LINES	GEN. PURP.
MMI5241-1	MROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CE LINES	GEN. PURP.
MMI5250-1	MROM	4-BIT	4K=1024X4/MAX. ACCESS 75NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5251-1	MROM	4-BIT	4K=1024X4/MAX. ACCESS 75NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5252-1	MROM	4-BIT	4K=1024X4/MAX. ACCESS 75NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5253-1	MROM	4-BIT	4K=1024X4/MAX. ACCESS 75NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5255-1	MROM	10-BIT	10K=1024X10/MAX. ACCESS 150NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5256-1	MROM	10-BIT	10K=1024X10/MAX. ACCESS 150NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5260-1	MROM	9-BIT	9K=1024X9/MAX. ACCESS 150NS/8 ADDRESS 3CE LINES	GEN. PURP.
MMI5261-1	MROM	9-BIT	9K=1024X9/MAX. ACCESS 150NS/8 ADDRESS 3CE LINES	GEN. PURP.
MMI5275-1	MROM	8-BIT	16K=2048X8/MAX. ACCESS 120NS/10 ADDRESS 3CE LINES	GEN. PURP.
MMI5276-1	MROM	8-BIT	16K=2048X8/MAX. ACCESS 120NS/10 ADDRESS 3CE LINES	GEN. PURP.
MMI5280-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI5280-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 75NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI5281-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI5281-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 75NS/ 10 ADDRESS 4CE LINES	GEN. PURP.
MMI5282-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI5283-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI5284-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI5284-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 75NS/ 10 ADDRESS 1CE LINES	GEN. PURP.
MMI5285-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI5285-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 75NS/ 10 ADDRESS 1CE LINES	GEN. PURP.
MMI5286-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5286-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 75NS/ 10 ADDRESS 2CE LINES	GEN. PURP.
MMI5287-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5287-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 75NS/ 10 ADDRESS 2CE LINES	GEN. PURP.
MMI5288-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/10 ADDRESS LINES, NO CE LINE	GEN. PURP.
MMI5288-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 75NS/ 10 ADDRESS LINES, NO CE LINE	GEN. PURP.
MMI5289-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 175NS/10 ADDRESS LINES, NO CE LINE	GEN. PURP.
MMI5289-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 75NS/ 10 ADDRESS LINES, NO CE LINE	GEN. PURP.
MMI5300-1	PROM	4-BIT	1K=256X4/MAX. ACCESS 75NS/8 ADDRESS 2CE LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
NAT	DIL-24/2P	PMOS	0C/+70C	-12V/+12V	480MXMW	TTL	TTL/OC		MM5230N
NAT	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	150MXMW	TTL	TTL/OC		MM5231J
NAT	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	150MXMW	TTL	TTL/OC		MM5231N
NAT	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	37MXMA	TTL	TTL/TS	S5232-2L	MM5232J
NAT	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	37MXMA	TTL	TTL/TS	S5232-1W	MM5232N
NAT	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	30MXMA	TTL	TTL/TS		MM5233J
NAT	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	30MXMA	TTL	TTL/TS		MM5233N
NAT	DIL-24/2C	PMOS	-25C/+70C	-12V/+5V	37MXMA	TTL	TTL/TS		MM5241J
NAT	DIL-24/2P	PMOS	-25C/+70C	-12V/+5V	37MXMA	TTL	TTL/TS		MM5241N
NAT	DIL-24/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS		MM5242D
NAT	DIL-24/2P	NMOS	0C/+70C	+5V		TTL	TTL/TS		MM5242N
NAT	DIL-24/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS		MM5246D
NAT	DIL-24/2P	NMOS	0C/+70C	+5V		TTL	TTL/TS		MM5246N
NAT	DIL-18/1C	PMOS	0C/+70C	-12V/+5V/+6.5V	34MXMA	TTL	TTL/TS		MM5261D
NAT	DIL-18/1P	PMOS	0C/+70C	-12V/+5V/+6.5V	34MXMA	TTL	TTL/TS		MM5261N
NAT	DIL-22/4C	PMOS	0C/+70C	-15V/+5V/+8V	20MXMA	TTL	TTL		MM5262D
NAT	DIL-22/4P	PMOS	0C/+70C	-15V/+5V/+8V	20MXMA	TTL	TTL		MM5262N
NAT	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS		MM5269D
NAT	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS		MM5269N
NAT	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	35TPMA	TTL	TTL/TS		MM5270D
NAT	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	35TPMA	TTL	TTL/TS	MM5270D	MM5270D-5
NAT	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	35TPMA	TTL	TTL/TS		MM5271D
NAT	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	35TPMA	TTL	TTL/TS		MM5280D
NAT	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	35TPMA	TTL	TTL/TS		MM5280D-5
NAT	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	35TPMA	TTL	TTL/TS		MM5281D
NAT	DIL-16/1G	PMOS	0C/+70C	-10V/-7V/+5V	37MXMA	TTL	TTL/TS	C1101A1	MM11011D
NAT	DIL-16/1P	PMOS	0C/+70C	-10V/-7V/+5V	37MXMA	TTL	TTL/TS	P1101A1	MM11011N
MTA	TO-5/8M	TTLB	0C/+70C	-15V/+5V	40MXMA	TTL	MOS		MMH0026CG
MTA	DIL-14/1C	TTLB	0C/+70C	-15V/+5V	40MXMA	TTL	MOS		MMH0026CL
MTA	DIL-8/1P	TTLB	0C/+70C	-15V/+5V	40MXMA	TTL	MOS		MMH0026CP1
MTA	DIL-8/1C	TTLB	0C/+70C	-15V/+5V	40MXMA	TTL	MOS		MMH0026CU
MTA	TO-5/8M	TTLB	-55C/+125C	-15V/+5V	40MXMA	TTL	MOS		MMH0026G
MTA	DIL-14/1C	TTLB	-55C/+125C	-15V/+5V	40MXMA	TTL	MOS		MMH0026L
MTA	DIL-8/1C	TTLB	-55C/+125C	-15V/+5V	40MXMA	TTL	MOS		MMH0026U
MMI	DIL-28/2C	STLB	0C/+70C	+5V	600TPMW	TTL	TTL/TS	N82S100I	MMI82S100
MMI	DIL-28/2	STLB	0C/+70C	+5V	600TPMW	TTL	TTL/OC	N82S101	MMI82S101
MMI	DIL-16/1C	STLB	0C/+75C	+5V	65MXMA	TTL	TTL/OC	N82LS10F	MMI93L415
MMI	DIL-16/1C	STLB	0C/+75C	+5V	65MXMA	TTL	TTL/TS	N82S111F	MMI93L425
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MMI5200-1
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MMI5201-1
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MMI5205-1
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MMI5206-1
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	125MXMA	TTL	TTL/OC		MMI5230-1
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	125MXMA	TTL	TTL/TS		MMI5231-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5240-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		MMI5241-1
MMI	DIL-18/1C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		MMI5250-1
MMI	DIL-18/1C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS		MMI5251-1
MMI	DIL-18/1C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		MMI5252-1
MMI	DIL-18/1C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS		MMI5253-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS		MMI5255-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	165MXMA	TTL	TTL/OC		MMI5256-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	165MXMA	TTL	TTL/OC		MMI5260-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS		MMI5261-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	190MXMA	TTL	TTL/OC		MMI5275-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS		MMI5276-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5280-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5280-2
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS		MMI5281-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		MMI5281-2
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5282-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS		MMI5283-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/OC		MMI5284-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5284-2
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS		MMI5285-1
MMI	DIL-24/2C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		MMI5285-2
MMI	DIL-22/4C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5286-1
MMI	DIL-22/4C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5286-2
MMI	DIL-22/4C	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS		MMI5287-1
MMI	DIL-22/4C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		MMI5287-2
MMI	DIL-20/1C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5288-1
MMI	DIL-20/1C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5288-2
MMI	DIL-20/1C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		MMI5289-1
MMI	DIL-20/1C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		MMI5289-2
MMI	DIL-16/1M	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MMI5300-1

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MMI5301-1	PROM	4-BIT	1K=256X4/MAX. ACCESS 75NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI5305-1	PROM	4-BIT	2K=512X4/MAX. ACCESS 75NS/9 ADDRESS 1CE LINES	GEN. PURP.
MMI5306-1	PROM	4-BIT	2K=512X4/MAX. ACCESS 75NS/9 ADDRESS 1CE LINES	GEN. PURP.
MMI5308-1	PROM	8-BIT	2K=256X8/MAX. ACCESS 80NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI5309-1	PROM	8-BIT	2K=256X8/MAX. ACCESS 80NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI5330-1	PROM	8-BIT	256=32X8/MAX. ACCESS 60NS/5 ADDRESS 1CE LINES	GEN. PURP.
MMI5331-1	PROM	8-BIT	256=32X8/MAX. ACCESS 60NS/5 ADDRESS 1CE LINES	GEN. PURP.
MMI5335-1	PROM	8-BIT	2K=256X8/MAX. ACCESS 120NS/8 ADDRESS 4CE LINES	GEN. PURP.
MMI5336-1	PROM	8-BIT	2K=256X8/MAX. ACCESS 120NS/8 ADDRESS 4CE LINES	GEN. PURP.
MMI5340-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 120NS/9 ADDRESS 4CE LINES	GEN. PURP.
MMI5341-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 120NS/9 ADDRESS 4CE LINES	GEN. PURP.
MMI5348-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 80NS/9 ADDRESS 1CE LINES	GEN. PURP.
MMI5349-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 80NS/9 ADDRESS 1CE LINES	GEN. PURP.
MMI5350-1	PROM	4-BIT	4K=1024X4/MAX. ACCESS 75NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5351-1	PROM	4-BIT	4K=1024X4/MAX. ACCESS 75NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5352-1	PROM	4-BIT	4K=1024X4/MAX. ACCESS 75NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5353-1	PROM	4-BIT	4K=1024X4/MAX. ACCESS 75NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5380-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 125NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI5381-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 125NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI5384-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 125NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI5385-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 125NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI5386-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 120NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5387-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 120NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI5530	SRAM	1-BIT	256=256X1/MAX. ACCESS 70NS/ 8 ADDRESS 3CE LINES	GEN. PURP.
MMI5531	SRAM	1-BIT	256=256X1/MAX. ACCESS 70NS/ 8 ADDRESS 3CE LINES	GEN. PURP.
MMI5560	SRAM	4-BIT	64=16X4/MAX. ACCESS 75NS/ 4 ADDRESS 1CE LINES	GEN. PURP.
MMI5561	SRAM	4-BIT	64=16X4/MAX. ACCESS 75NS/ 4 ADDRESS 1CE LINES	GEN. PURP.
MMI5701	MPU	4-BIT	4-BIT SLICE MICROPROCESSOR OF 6700 FAMILY (APP. B)	6700
MMI6200-1	MROM	4-BIT	1K=256X4/MAX. ACCESS 45NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI6201-1	MROM	4-BIT	1K=256X4/MAX. ACCESS 45NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI6205-1	MROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI6206-1	MROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI6230-1	MROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
MMI6231-1	MROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
MMI6240-1	MROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CE LINES	GEN. PURP.
MMI6241-1	MROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CE LINES	GEN. PURP.
MMI6250-1	MROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6251-1	MROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6252-1	MROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6253-1	MROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6255-1	MROM	10-BIT	10K=1024X10/MAX. ACCESS 100NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6256-1	MROM	10-BIT	10K=1024X10/MAX. ACCESS 100NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6260-1	MROM	9-BIT	9K=1024X9/MAX. ACCESS 100NS/8 ADDRESS 3CE LINES	GEN. PURP.
MMI6261-1	MROM	9-BIT	9K=1024X9/MAX. ACCESS 100NS/8 ADDRESS 3CE LINES	GEN. PURP.
MMI6275-1	MROM	8-BIT	16K=2048X8/MAX. ACCESS 110NS/10 ADDRESS 3CE LINES	GEN. PURP.
MMI6276-1	MROM	8-BIT	16K=2048X8/MAX. ACCESS 110NS/11 ADDRESS 3CS LINES/	GEN. PURP.
MMI6280-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI6280-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 55NS/ 10 ADDRESS 4CE LINES	GEN. PURP.
MMI6281-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI6281-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 55NS/ 10 ADDRESS 4CE LINES	GEN. PURP.
MMI6282-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI6283-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI6284-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI6284-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 55NS/ 10 ADDRESS 1CE LINES	GEN. PURP.
MMI6285-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI6285-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 55NS/ 10 ADDRESS 1CE LINES	GEN. PURP.
MMI6286-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6286-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 55NS/ 10 ADDRESS 2CE LINES	GEN. PURP.
MMI6287-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6287-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 55NS/ 10 ADDRESS 2CE LINES	GEN. PURP.
MMI6288-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS LINES, NO CE LINE	GEN. PURP.
MMI6288-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 55NS/ 10 ADDRESS LINES, NO CE LINE	GEN. PURP.
MMI6289-1	MROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS LINES, NO CE LINE	GEN. PURP.
MMI6289-2	MROM	8-BIT	8K=1024X8/MAX. ACCESS 55NS/ 10 ADDRESS LINES, NO CE LINE	GEN. PURP.
MMI6300-1	PROM	4-BIT	1K=256X4/MAX. ACCESS 55NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI6301-1	PROM	4-BIT	1K=256X4/MAX. ACCESS 55NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI6305-1	PROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/9 ADDRESS 1CE LINES	GEN. PURP.
MMI6306-1	PROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/9 ADDRESS 1CE LINES	GEN. PURP.
MMI6308-1	PROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI6309-1	PROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI6330-1	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
MMI6331-1	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	GEN. PURP.
MMI6335-1	PROM	8-BIT	2K=256X8/MAX. ACCESS 90NS/8 ADDRESS 4CE LINES	GEN. PURP.
MMI6336-1	PROM	8-BIT	2K=256X8/MAX. ACCESS 90NS/8 ADDRESS 4CE LINES	GEN. PURP.
MMI6340-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CE LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MMI	DIL-16/1M	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MMI5301-1
MMI	DIL-16/1M	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		MMI5305-1
MMI	DIL-16/1M	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		MMI5306-1
MMI	DIL-20/1M	STLB	-55C/+125C	+5V	155MXMA	TTL	TTL/OC		MMI5308-1
MMI	DIL-20/1M	STLB	-55C/+125C	+5V	155MXMA	TTL	TTL/TS		MMI5309-1
MMI	DIL-16/1M	STLB	-55C/+125C	+5V	125MXMA	TTL	TTL/OC		MMI5330-1
MMI	DIL-16/1M	STLB	-55C/+125C	+5V	125MXMA	TTL	TTL/TS		MMI5331-1
MMI	DIL-24/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5335-1
MMI	DIL-24/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		MMI5336-1
MMI	DIL-24/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		MMI5340-1
MMI	DIL-24/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		MMI5341-1
MMI	DIL-20/1M	STLB	-55C/+125C	+5V	155MXMA	TTL	TTL/OC		MMI5348-1
MMI	DIL-20/1M	STLB	-55C/+125C	+5V	155MXMA	TTL	TTL/TS		MMI5349-1
MMI	DIL-18/1M	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		MMI5350-1
MMI	DIL-18/1M	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS		MMI5351-1
MMI	DIL-18/1M	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		MMI5352-1
MMI	DIL-18/1M	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS		MMI5353-1
MMI	DIL-24/2M	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/OC		MMI5380-1
MMI	DIL-24/2M	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS		MMI5381-1
MMI	DIL-24/2M	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/OC		MMI5384-1
MMI	DIL-24/2M	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS		MMI5385-1
MMI	DIL-22/4M	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/OC		MMI5386-1
MMI	DIL-22/4M	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS		MMI5387-1
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	135MXMA	TTL	TTL/OC		MMI5530
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	135MXMA	TTL	TTL/TS		MMI5531
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC		MMI5560
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	125MXMA	TTL	TTL/TS		MMI5561
MMI	DIL-40/2C	TTLB	-55C/+125C	+5V		TTL	TTL/TS		MMI5701
MMI	DIL-16/1C	STLB	0C/+70C	+5V	125MXMA	TTL	TTL/OC		MMI6200-1
MMI	DIL-16/1C	STLB	0C/+70C	+5V	125MXMA	TTL	TTL/TS		MMI6201-1
MMI	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC		MMI6205-1
MMI	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS		MMI6206-1
MMI	DIL-16/1C	STLB	0C/+70C	+5V	125MXMA	TTL	TTL/OC		MMI6230-1
MMI	DIL-16/1C	STLB	0C/+70C	+5V	125MXMA	TTL	TTL/TS		MMI6231-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC		MMI6240-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		MMI6241-1
MMI	DIL-18/1C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/OC		MMI6250-1
MMI	DIL-18/1C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/TS		MMI6521-1
MMI	DIL-18/1C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/OC		MMI6252-1
MMI	DIL-18/1C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/TS		MMI6253-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	165MXMA	TTL	TTL/OC		MMI6255-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/TS		MMI6256-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	165MXMA	TTL	TTL/OC		MMI6260-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/TS		MMI6261-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/OC		MMI6275-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS		MMI6276-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC	MMI6280-2	MMI6280-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC		MMI6280-2
MMI	DIL-24/2C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/TS	MMI6281-2	MMI6281-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/TS		MMI6281-2
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC		MMI6282-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/TS		MMI6283-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC		MMI6284-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC		MMI6284-2
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS	MMI6285-2	MMI6285-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		MMI6285-2
MMI	DIL-22/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC	MMI6286-2	MMI6286-1
MMI	DIL-22/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC		MMI6286-2
MMI	DIL-22/4C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/TS	MMI6287-2	MMI6287-1
MMI	DIL-22/4C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		MMI6287-2
MMI	DIL-20/1C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC	MMI6288-2	MMI6288-1
MMI	DIL-20/1C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC		MMI6288-2
MMI	DIL-20/1C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS	MMI6289-2	MMI6289-1
MMI	DIL-20/1C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		MMI6289-2
MMI	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC		MMI6300-1
MMI	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	M54700P	MMI6301-1
MMI	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC		MMI6305-1
MMI	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS		MMI6306-1
MMI	DIL-20/1C	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/OC		MMI6308-1
MMI	DIL-20/1C	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/TS		MMI6309-1
MMI	DIL-16/1C	STLB	0C/+70C	+5V	125MXMA	TTL	TTL/OC	M54730P	MMI6330-1
MMI	DIL-16/1C	STLB	0C/+70C	+5V	125MXMA	TTL	TTL/TS		MMI6331-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC		MMI6335-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		MMI6336-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/OC		MMI6340-1

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
MMI6341-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CE LINES	GEN. PURP.
MMI6348-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 1CE LINES	GEN. PURP.
MMI6349-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 1CE LINES	GEN. PURP.
MMI6350-1	PROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6351-1	PROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6352-1	PROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6353-1	PROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6380-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 90NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI6381-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 90NS/10 ADDRESS 4CE LINES	GEN. PURP.
MMI6384-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 90NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI6385-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 90NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI6386-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 90NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6387-1	PROM	8-BIT	8K=1024X8/MAX. ACCESS 90NS/10 ADDRESS 2CE LINES	GEN. PURP.
MMI6530	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/ 8 ADDRESS 3CE LINES	GEN. PURP.
MMI6531	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/ 8 ADDRESS 3CE LINES	GEN. PURP.
MMI6560	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/ 4 ADDRESS 1CE LINES	GEN. PURP.
MMI6561	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/ 4 ADDRESS 1CE LINES	GEN. PURP.
MMI6701	MPU	4-BIT	4-BIT SLICE MICROPROCESSOR OF 6700 FAMILY (APP. B)	6700
MMI57001	MPU	4-BIT	4-BIT SLICE MICROPROCESSOR OF 6700 FAMILY (APP. B)	6700
MMI57110	MCU	4-BIT	4-BIT SLICE MICROPROGRAM CONTROLLER FOR 6700 FAMILY (APP. B)	6700
MMI57401	FIFO	4-BIT	256=64X4 FIRST-IN FIRST OUT SERIAL MEMORY	6700
MMI63135-1	PROM	8-BIT	2K=256X8/MAX. ACCESS 90NS/8 ADDRESS 2CE LINES	GEN. PURP.
MMI63137-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 1CE ADDRESS	GEN. PURP.
MMI63139-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 1CE ADDRESS	GEN. PURP.
MMI63141-1	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 1CE ADDRESS	GEN. PURP.
MMI67001	MPU	4-BIT	4-BIT SLICE MICROPROCESSOR OF 6700 FAMILY (APP. B)	6700
MMI67110	MCU	4-BIT	4-BIT SLICE MICROPROGRAM CONTROLLER FOR 6700 FAMILY (APP. B)	6700
MMI67401	FIFO	4-BIT	256=64X4 FIRST IN FIRST OUT SERIAL MEMORY	6700
MMI93415A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 30NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMI93425A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 30NS/10 ADDRESS 1CE LINES	GEN. PURP.
MMIL5530	SRAM	1-BIT	256=256X1/MAX. ACCESS 120NS/8 ADDRESS 3CE LINES	GEN. PURP.
MMIL5531	SRAM	1-BIT	256=256X1/MAX. ACCESS 120NS/8 ADDRESS 3CE LINES	GEN. PURP.
MMIL5560	SRAM	4-BIT	64=16X4/MAX. ACCESS 120NS/4 ADDRESS 1CE LINES	GEN. PURP.
MMIL5561	SRAM	4-BIT	64=16X4/MAX. ACCESS 120NS/4 ADDRESS 1CE LINES	GEN. PURP.
MMIL6530	SRAM	1-BIT	256=256X1/MAX. ACCESS 95NS/ 8 ADDRESS 3CE LINES	GEN. PURP.
MMIL6531	SRAM	1-BIT	256=256X1/MAX. ACCESS 95NS/ 8 ADDRESS 3CE LINES	GEN. PURP.
MMIL6560	SRAM	4-BIT	64=16X4/MAX. ACCESS 100NS/4 ADDRESS 1CE LINES	GEN. PURP.
MMIL6561	SRAM	4-BIT	64=16X4/MAX. ACCESS 100NS/4 ADDRESS 1CE LINES	GEN. PURP.
MN601	CPU	16-BIT	MICROPROCESSOR CPU FOR MICRONOVA FAMILY (APP. B)	MICRONOVA
MN603	IOCTR	16-BIT	I-O CONTROLLER (1 PER INTERFACE)	MICRONOVA
MN606	DRAM	1-BIT	4K=4096X1/ MAX. ACCESS 160NS/12 ADDRESS 1CS LINES	MICRONOVA
MN629	IP/OP	16-BIT	CPU I-O TRANSCEIVER (1 PER CPU)/SYSTEM BUFFER ELEMENT	MICRONOVA
MN633	MEMCT	16-BIT	OCTAL MEMORY ADDRESS DRIVER (2 PER MEMORY ARRAY)/SYSTEM BUFFER	MICRONOVA
MN634	MEMCT	8-BIT	OCTAL MEMORY BUS TRANSCEIVERS(2 PER CPU)/SYSTEM BUFFER ELEMENT	MICRONOVA
MP8080A-I	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN. CLOCK PERIOD 480NS	8080
MP8251-I	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
MP8255-I	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM. (APP. B)	8080-9080
MPQ6842	BUFFR	4-BIT	MPU CLOCK BUFFER/4 ISOLATED NPN DRIVER TRANSISTORS	6800
MPS6102	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/10 ADDRESS 1CS LINES	6500
MPS6102A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/10 ADDRESS 1CS LINES	6500
MUX1600-CERAMIC	MUX		18-CHANNEL ANALOG MULTIPLEXER FOR 1600 FAMILY (APP. B)	1600
MUX1600-PLASTIC	MUX		18-CHANNEL ANALOG MULTIPLEXER FOR 1600 FAMILY (APP. B)	1600
MW4060D	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/INV./6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MW4060DV1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/INV./6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MW4060DV2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/INV./6X 6Y 1CS ADDRESS LINES	GEN. PURP.
MWS5001D	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 150NS/10 ADDRESS 1CS LINES	GEN. PURP.
MWS5001H	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 150NS/10 ADDRESS 1CS LINES	GEN. PURP.
MWS5040D	SRAM	4-BIT	1K=256X4/TYP. ACCESS 150NS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MWS5040H	SRAM	4-BIT	1K=256X4/TYP. ACCESS 150NS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
MWS5101DL1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5101DL2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5101DL3	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5101DL8	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5101H	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5101EL1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5101EL2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5101EL3	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5101EL8	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5114D	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 650NS/6X 4Y 1CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5114E	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 650NS/6X 4Y 1CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5114-5D	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 650NS/6X 4Y 1CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5114-5E	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 650NS/6X 4Y 1CS ADDRESS LINES/2V RETENTION	GEN. PURP.
MWS5501D	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 90NS/4X 5Y 1CS ADDRESS LINES	GEN. PURP.
MWS5501H	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 90NS/4X 5Y 1CS ADDRESS LINES	GEN. PURP.
N8T26B	TRCVR	4-BIT	QUAD BUS DRIVER-RECEIVERS/INVERTING OUTPUTS	2650

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		MMI6341-1
MMI	DIL-20/1C	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/OC		MMI6348-1
MMI	DIL-20/1C	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/TS		MMI6349-1
MMI	DIL-18/1C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/OC		MMI6350-1
MMI	DIL-18/1C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/TS		MMI6351-1
MMI	DIL-18/1C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/OC		MMI6352-1
MMI	DIL-18/1C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/TS		MMI6353-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/OC		MMI6380-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/TS		MMI6381-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/OC		MMI6384-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/TS		MMI6385-1
MMI	DIL-22/4C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/OC		MMI6386-1
MMI	DIL-22/4C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/TS		MMI6387-1
MMI	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		MMI6530
MMI	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS		MMI6531
MMI	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC		MMI6560
MMI	DIL-16/1C	STLB	0C/+75C	+5V	125MXMA	TTL	TTL/TS		MMI6561
MMI	DIL-40/2C	TTLB	0C/+70C	+5V		TTL	TTL/TS		MMI6701
MMI	DIL-40/2C	STLB	-55C/+125C	+5V		TTL	TTL/TS		MMI57001
MMI	DIL-40/2C	STLB	-55C/+125C	+5V		TTL	TTL/TS		MMI57110
MMI	DIL-16/1C	STLB	-55C/+125C	+5V		TTL	TTL		MMI57401
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		MMI63135-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		MMI63137-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		MMI63139-1
MMI	DIL-24/2C	STLB	0C/+70C	+5V	170MXMA	TTL	TTL/TS		MMI63141-1
MMI	DIL-40/2C	STLB	0C/+70C	+5V		TTL	TTL/TS		MMI67001
MMI	DIL-40/2C	STLB	0C/+70C	+5V		TTL	TTL/TS		MMI67110
MMI	DIL-16/1C	STLB	0C/+70C	+5V		TTL	TTL		MMI67401
MMI	DIL-16/1C	STLB	0C/+75C	+5V	155MXMA	TTL	TTL/OC		MMI93415A
MMI	DIL-16/1C	STLB	0C/+75C	+5V	155MXMA	TTL	TTL/TS	N82S111F	MMI93425A
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	100MXMA	TTL	TTL/OC		MMIL5530
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	100MXMA	TTL	TTL/TS		MMIL5531
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	54MXMA	TTL	TTL/OC		MMIL5560
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	54MXMA	TTL	TTL/TS		MMIL5561
MMI	DIL-16/1C	STLB	0C/+75C	+5V	85MXMA	TTL	TTL/OC		MMIL6530
MMI	DIL-16/1C	STLB	0C/+75C	+5V	85MXMA	TTL	TTL/TS		MMIL6531
MMI	DIL-16/1C	STLB	0C/+75C	+5V	48MXMA	TTL	TTL/OC		MMIL6560
MMI	DIL-16/1C	STLB	0C/+75C	+5V	48MXMA	TTL	TTL/TS		MMIL6561
DGC	DIL-40/2C	NMOS	0C/+70C	-4/+5/+10/+14V	680TPMW	MOS	+8.5/+3V		MN601
DGC	DIL-40/2C	NMOS	0C/+70C	-4/+5/+10/+14V	505TPMW	TTL	TTL		MN603
DGC	DIL-20/1P	NMOS	0C/+70C	-4.25V/+14V	210TPMW	TTL	TTL		MN606
DGC	DIL-20/1	TTLB	0C/+55C	+5V		TTL	TTL		MN629
DGC	DIL-20/1	TTLB	0C/+55C	+5V		TTL	TTL		MN633
DGC	DIL-20/1	TTLB	0C/+55C	+5V		TTL	TTL		MN634
SIG	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	C8080A	MP8080A-I
SIG	DIL-28/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	C8251	MP8251-I
SIG	DIL-40/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	C8255	MP8255-I
MTA	DIL-14/1P		0C/+70C	+5V	200MXMA		0/+5V		MPQ6842
MSC	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	P2102A	MPS6102
MSC	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	P2102A	MPS6102A
GEI	DIL-28/2C	NMOS	0C/+70C	+12V	8MXMA	TTL			MUX1600-CERAMIC
GEI	DIL-28/2P	NMOS	0C/+70C	+12V	8MXMA	TTL			MUX1600-PLASTIC
RCA	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	TMS4060JL	MW4060D
RCA	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	TMS4060-1JL	MW4060DV1
RCA	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	TMS4060JL	MW4060DV2
RCA	DIL-16/1C	CMOS	-20C/+85C	+4.5V TO +6V	20TPuA	TTL	TTL/TS		MWS5001D
RCA	CHP	CMOS	-20C/+85C	+4.5V TO +6V	20TPuA	TTL	TTL/TS		MWS5001H
RCA	DIL-22/2C	CMOS	-20C/+85C	+4.5V TO +6V	30TPuA	TTL	TTL/TS		MWS5040D
RCA	CHP	CMOS	-20C/+85C	+4.5V TO +6V	30TPuA	TTL	TTL/TS		MWS5040H
RCA	DIL-22/2C	CMOS	0C/+70C	+4V TO +6.5V	10MXuA	TTL	TTL/TS		MWS5101DL1
RCA	DIL-22/2C	CMOS	0C/+70C	+4V TO +6.5V	50MXuA	TTL	TTL/TS		MWS5101DL2
RCA	DIL-22/2C	CMOS	0C/+70C	+4V TO +6.5V	200MXuA	TTL	TTL/TS		MWS5101DL3
RCA	DIL-22/2C	CMOS	0C/+70C	+4V TO +6.5V	500MXuA	TTL	TTL/TS		MWS5101DL8
RCA	CHP	CMOS	0C/+70C	+4V TO +6.5V	500MXuA	TTL	TTL/TS		MWS5101H
RCA	DIL-22/2P	CMOS	0C/+70C	+4V TO +6.5V	10MXuA	TTL	TTL/TS		MWS5101EL1
RCA	DIL-22/2P	CMOS	0C/+70C	+4V TO +6.5V	50MXuA	TTL	TTL/TS		MWS5101EL2
RCA	DIL-22/2P	CMOS	0C/+70C	+4V TO +6.5V	200MXuA	TTL	TTL/TS		MWS5101EL3
RCA	DIL-22/2P	CMOS	0C/+70C	+4V TO +6.5V	500MXuA	TTL	TTL/TS		MWS5101EL8
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +6V	50MXuA	TTL	TTL/TS		MWS5114D
RCA	DIL-18/1P	CMOS	-40C/+85C	+4V TO +6V	50MXuA	TTL	TTL/TS		MWS5114E
RCA	DIL-18/1C	CMOS	-55C/+125C	+4V TO +6V	100MXuA	TTL	TTL/TS		MWS5114-5D
RCA	DIL-18/1P	CMOS	-40C/+85C	+4V TO +6V	100MXuA	TTL	TTL/TS		MWS5114-5E
RCA	DIL-16/1C	CMOS	-20C/+85C	+4.5V TO +10V	300TPuA	TTL	TTL/TS		MWS5501D
RCA	CHP	CMOS	-20C/+85C	+4.5V TO +10V	300TPuA	TTL	TTL/TS		MWS5501H
PHI	DIL-16/1P	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	MC8T26P	N8T26B

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
N8T26F	TRCVR	4-BIT	QUAD BUS DRIVER/RECEIVERS/INVERTING OUTPUTS	2650
N8T28-B	TRCVR	4-BIT	QUAD BUS DRIVER-RECEIVERS/INVERTING OUTPUTS	2650
N8T28-F	TRCVR	4-BIT	QUAD BUS DRIVER-RECEIVERS-NON-INVERTING OUTPUTS	2650
N8T31F	IP/OP	8-BIT	DIRECTIONAL I-O PORT	2650
N8T31I	IP/OP	8-BIT	DIRECTIONAL I-O PORT	2650
N8T31N	IP/OP	8-BIT	DIRECTIONAL I-O PORT	2650
N8T32F	IFACE	8-BIT	IV(INTERFACE VECTOR) BYTE ADDRESSABLE USER PORT, SYNCHRONOUS	8X300
N8T32NA	IFACE	8-BIT	IV(INTERFACE VECTOR) BYTE ADDRESSABLE USER PORT, SYNCHRONOUS	8X300
N8T33F	IFACE	8-BIT	IV(INTERFACE VECTOR) BYTE ADDRESSABLE USER PORT, SYNCHRONOUS	8X300
N8T33NA	IFACE	8-BIT	IV(INTERFACE VECTOR) BYTE ADDRESSABLE USER PORT, SYNCHRONOUS	8X300
N8T35F	IFACE	8-BIT	IV(INTERFACE VECTOR) BYTE ADDRESSABLE USER PORT, ASYNCHRONOUS	8X300
N8T35NA	IFACE	8-BIT	IV(INTERFACE VECTOR) BYTE ADDRESSABLE USER PORT, ASYNCHRONOUS	8X300
N8T36F	IFACE	8-BIT	IV(INTERFACE VECTOR) BYTE ADDRESSABLE USER PORT, ASYNCHRONOUS	8X300
N8T36NA	IFACE	8-BIT	IV(INTERFACE VECTOR) BYTE ADDRESSABLE USER PORT, ASYNCHRONOUS	8X300
N8T39I	EXPIO	8-BIT	BUS EXPANDER FOR 8X300 FAMILY	8X300
N8T39N	EXPIO	8-BIT	BUS EXPANDER FOR 8X300 FAMILY	8X300
N8T39XL	EXPIO	8-BIT	BUS EXPANDER FOR 8X300 FAMILY	8X300
N8T95B	BUFFR	6-BIT	HEX BUFFER/ INVERTING OUTPUT	2650
N8T95F	BUFFR	6-BIT	HEX BUFFER/ INVERTING OUTPUT	2650
N8T96B	BUFFR	6-BIT	HEX. BUFFER/INVERTING OUTPUT	2650
N8T96F	BUFFR	6-BIT	HEX. BUFFER/INVERTING OUTPUT	2650
N8T97B	BUFFR	6-BIT	HEX BUFFER/ INVERTING OUTPUT	2650
N8T97F	BUFFR	6-BIT	HEX BUFFER/ INVERTING OUTPUT	2650
N8T98B	BUFFR	6-BIT	HEX BUFFER/ INVERTING OUTPUT	2650
N8T98F	BUFFR	6-BIT	HEX BUFFER/ -INVERTING OUTPUT	2650
N74S89B	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
N74S89F	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
N74S89N	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
N74S189B	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CE LINES	GEN. PURP.
N74S189F	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CE LINES	GEN. PURP.
N74S189N	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CE LINES	GEN. PURP.
N74S200B	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
N74S200F	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
N74S200N	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
N74S201B	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/8 ADDRESS 3CS LINES	GEN. PURP.
N74S201F	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/8 ADDRESS 3CS LINES	GEN. PURP.
N74S201N	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/8 ADDRESS 3CS LINES	GEN. PURP.
N74S301B	SRAM	1-BIT	256=256X1/MAX. ACCESS 85NS/8 ADDRESS 3CS LINES	GEN. PURP.
N74S301F	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/8 ADDRESS 3CS LINES	GEN. PURP.
N74S301N	SRAM	1-BIT	256=256X1/MAX. ACCESS 85NS/8 ADDRESS 3CS LINES	GEN. PURP.
N82LS10F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/10 ADDRESS 1CE LINES	2650
N82LS10N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/10 ADDRESS 1CE LINES	GEN. PURP.
N82LS11F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/10 ADDRESS 1CE LINES	GEN. PURP.
N82LS11N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/10 ADDRESS 1CE LINES	GEN. PURP.
N82S09I	SRAM	9-BIT	576=64X9/MAX. ACCESS 45NS/6 ADDRESS 1CE LINES	2650
N82S09N	SRAM	9-BIT	576=64X9/MAX. ACCESS 45NS/6 ADDRESS 1CE LINES	2650
N82S10F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/10 ADDRESS 1CE LINES	2650
N82S10I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/10 ADDRESS 1CE LINES	2650
N82S10N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/10 ADDRESS 1CE LINES	2650
N82S11F	SRAM	1-BIT	1K=102JX1/MAX. ACCESS 45NS/10 ADDRESS 1CE LINES	2650
N82S11I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/10 ADDRESS 1CE LINES	2650
N82S11N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/10 ADDRESS 1CE LINES	2650
N82S12F	SPECL	4-BIT	32=8X4/MAX. ACCESS 35NS/3+3 ADDRESS 2WE LINES/SIM. ACCESS MEMORY	GEN. PURP.
N82S12N	SPECL	4-BIT	32=8X4/MAX. ACCESS 35NS/3+3 ADDRESS 2WE LINES/SIM. ACCESS MEMORY	GEN. PURP.
N82S16B	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y ADDRESS 3CE LINES	GEN. PURP.
N82S16F	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y ADDRESS 3CE LINES	GEN. PURP.
N82S16N	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y ADDRESS 3CE LINES	GEN. PURP.
N82S17B	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y ADDRESS 3CE LINES	GEN. PURP.
N82S17F	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y ADDRESS 3CE LINES	GEN. PURP.
N82S17N	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y ADDRESS 3CE LINES	GEN. PURP.
N82S21B	SPECL	2-BIT	64=32X2/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES/WRITE-WHILE-RD. MEM	GEN. PURP.
N82S21F	SPECL	2-BIT	64=32X2/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES/WRITE-WHILE-RD. MEM	GEN. PURP.
N82S21N	SPECL	2-BIT	64=32X2/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES/WRITE-WHILE-RD. MEM	GEN. PURP.
N82S23B	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	2650
N82S23F	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	2650
N82S23N	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	2650
N82S25B	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
N82S25F	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
N82S25N	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
N82S27F	PROM	4-BIT	1K=256X4/MAX. ACCESS 40NS/8 ADDRESS 2CE LINES	GEN. PURP.
N82S100I	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	2650
N82S100N	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	2650
N82S101I	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	2650
N82S101N	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	2650
N82S102I	FPGA	9-BIT	144=16X9/MAX. ACCESS 30NS	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
PHI	DIL-16/1C	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	MC8T26L	N8T26F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	MC8T28P	N8T28-B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	87MXMA	TTL	TTL/TS	MC8T28L	N8T28-F
PHI	DIL-24/2C	STLB	0C/+75C	+5V		TTL	TTL		N8T31F
PHI	DIL-24/2M	STLB	0C/+75C	+5V		TTL	TTL		N8T31I
PHI	DIL-24/2P	STLB	0C/+75C	+5V		TTL	TTL		N8T31N
PHI	DIL-24/2C	TTLB	0C/+70C	+5V		TTL	TTL/TS		N8T32F
PHI	DIL-24/2P	TTLB	0C/+70C	+5V		TTL	TTL/TS		N8T32NA
PHI	DIL-24/2C	TTLB	0C/+70C	+5V		TTL	TTL/OC		N8T33F
PHI	DIL-24/2P	TTLB	0C/+70C	+5V		TTL	TTL/OC		N8T33NA
PHI	DIL-24/2C	TTLB	0C/+70C	+5V		TTL	TTL/OC		N8T35F
PHI	DIL-24/2P	TTLB	0C/+70C	+5V		TTL	TTL/OC		N8T35NA
PHI	DIL-24/2C	TTLB	0C/+70C	+5V		TTL	TTL/TS		N8T36F
PHI	DIL-24/2P	TTLB	0C/+70C	+5V		TTL	TTL/TS		N8T36NA
PHI	DIL-28/2M	TTLB	0C/+70C	+5V		TTL	TTL/TS		N8T39I
PHI	DIL-28/2P	TTLB	0C/+70C	+5V		TTL	TTL/TS		N8T39N
SIG	DIL-28/2P	TTLB	0C/+70C	+5V		TTL	TTL/TS		N8T39XL
PHI	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL	XC8T95P	N8T95B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL	XC8T95L	N8T95F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL	XC8T96P	N8T96B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL	XC8T96L	N8T96F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL	XC8T97P	N8T97B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL	XC8T97L	N8T97F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL	XC8T98P	N8T98B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL	XC8T98L	N8T98F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	DM74L89AN	N74S89B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	DM74L89AJ	N74S89F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	DM74L89AN	N74S89N
PHI	DIL-16/1P	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	SN74S189N	N74S189B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	N74S189N	N74S189F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	SN74S189N	N74S189N
PHI	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	DM74S200N	N74S200B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	DM74S200J	N74S200F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	DM74S200N	N74S200N
PHI	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	N74S201N	N74S201B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	SN74S201J	N74S201F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	N74S201B	N74S201N
PHI	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC	SN74S301N	N74S301B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC	SN74S301J	N74S301F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC	SN74S301N	N74S301N
PHI	DIL-16/1C	TTLB	0C/+75C	+5V	60MXMA	TTL	TTL/OC	N82LS10N	N82LS10F
PHI	DIL-16/1C	TTLB	0C/+75C	+5V	60MXMA	TTL	TTL/OC	N82LS10F	N82LS10N
PHI	DIL-16/1C	TTLB	0C/+75C	+5V	60MXMA	TTL	TTL/TS	N82LS11N	N82LS11F
PHI	DIL-16/1C	TTLB	0C/+75C	+5V	60MXMA	TTL	TTL/TS	N82LS11F	N82LS11N
PHI	DIL-28/2M	STLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC	S82S09I	N82S09I
PHI	DIL-28/2P	STLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC	N82S09I	N82S09N
PHI	DIL-16/1C	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S10N	N82S10F
PHI	DIL-16/1M	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S10F	N82S10I
PHI	DIL-16/1P	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S10F	N82S10N
PHI	DIL-16/1C	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S11N	N82S11F
PHI	DIL-16/1M	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S11N	N82S11I
PHI	DIL-16/1P	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S11F	N82S11N
PHI	DIL-24/2C	TTLB	0C/+75C	+5V	160MXMA	TTL	TTL/OC	N82S12N	N82S12F
PHI	DIL-24/2P	STLB	0C/+75C	+5V	160MXMA	TTL	TTL/OC	N82S12F	N82S12N
PHI	DIL-16/1P	STLB	0C/+75C	+5V	115MXMA	TTL	TTL/TS	N82S16N	N82S16B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	115MXMA	TTL	TTL/TS	S82S16F	N82S16F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	115MXMA	TTL	TTL/TS	N82S16B	N82S16N
PHI	DIL-16/1P	STLB	0C/+75C	+5V	115MXMA	TTL	TTL/OC	N82S17N	N82S17B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	115MXMA	TTL	TTL/OC	S82S17F	N82S17F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	115MXMA	TTL	TTL/OC	N82S17B	N82S17N
PHI	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		N82S21B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		N82S21F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		N82S21N
PHI	DIL-16/1P	STLB	0C/+75C	+5V	115MXMA	TTL	TTL/OC	N82S23N	N82S23B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	115MXMA	TTL	TTL/OC	N82S23N	N82S23F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	115MXMA	TTL	TTL/OC	N82S23B	N82S23N
PHI	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	N82S25N	N82S25B
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	S82S25F	N82S25F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	N82S25B	N82S25N
PHI	DIL-16/1C	STLB	0C/+75C	+5V	140MXMA	TTL	TTL/OC		N82S27F
PHI	DIL-28/2M	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/TS	MC82S100LC	N82S100I
PHI	DIL-28/2P	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/TS	MC82100LC	N82S100N
PHI	DIL-28/2M	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	MC82101LM	N82S101I
PHI	DIL-28/2P	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	MC82101LC	N82S101N
PHI	DIL-28/2M	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S102N	N82S102I

DEVICE TYPE NO	FUNCTION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
N82S102N	FPGA	9-BIT	144=16X9/MAX. ACCESS 30NS	GEN. PURP.
N82S103I	FPGA	9-BIT	144=16X9/MAX. ACCESS 30NS	GEN. PURP.
N82S103N	FPGA	9-BIT	144=16X9/MAX. ACCESS 30NS	GEN. PURP.
N82S106I	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
N82S106N	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
N82S107I	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
N82S107N	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
N82S110F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/10 ADDRESS 1CE LINES	GEN. PURP.
N82S110N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/10 ADDRESS 1CE LINES	GEN. PURP.
N82S111F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/10 ADDRESS 1CE LINES	GEN. PURP.
N82S111N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/10 ADDRESS 1CE LINES	GEN. PURP.
N82S112F	SPECL	4-BIT	32=8X4/MAX. ACCESS 35NS/3+3 ADDRESS 2WE LINES/SIM. ACCESS MEMORY	GEN. PURP.
N82S112N	SPECL	4-BIT	32=8X4/MAX. ACCESS 35NS/3+3 ADDRESS 2WE LINES/SIM. ACCESS MEMORY	GEN. PURP.
N82S114F	PROM	8-BIT	2K=256X8/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	2650
N82S114I	PROM	8-BIT	2K=256X8/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	2650
N82S114N	PROM	8-BIT	2K=256X8/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	2650
N82S115F	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 2CE LINES	2650
N82S115I	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 2CE LINES	2650
N82S115N	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 2CE LINES	2650
N82S116B	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/8 ADDRESS 3CE LINES	GEN. PURP.
N82S116F	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/8 ADDRESS 3CE LINES	GEN. PURP.
N82S116N	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/8 ADDRESS 3CE LINES	GEN. PURP.
N82S117B	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/8 ADDRESS 3CE LINES	GEN. PURP.
N82S117F	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/8 ADDRESS 3CE LINES	GEN. PURP.
N82S117N	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/8 ADDRESS 3CE LINES	GEN. PURP.
N82S123B	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	2650
N82S123F	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	2650
N82S123N	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1CE LINES	2650
N82S126B	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	2650
N82S126F	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	2650
N82S126N	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	2650
N82S129B	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	2650
N82S129F	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	2650
N82S129N	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	2650
N82S130F	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/9 ADDRESS 1CE LINES	2650
N82S130N	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/9 ADDRESS 1CE LINES	2650
N82S131F	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/9 ADDRESS 1CE LINES	2650
N82S131N	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/9 ADDRESS 2CE LINES	2650
N82S136F	PROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/10 ADDRESS 1CE LINES	GEN. PURP.
N82S137F	PROM	4-BIT	4K=1024X4/MAX. ACCESS 60NS/10 ADDRESS 1CE LINES	GEN. PURP.
N82S140F	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 4CE LINES	GEN. PURP.
N82S140I	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 4CE LINES	GEN. PURP.
N82S140N	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 4CE LINES	GEN. PURP.
N82S141F	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 4CE LINES	GEN. PURP.
N82S141I	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 4CE LINES	GEN. PURP.
N82S141N	PROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 4CE LINES	GEN. PURP.
N82S146N	PROM	8-BIT	4K=512X8/MAX. ACCESS 45NS/9 ADDRESS 1CE LINES	GEN. PURP.
N82S147N	PROM	8-BIT	4K=512X8/MAX. ACCESS 45NS/9 ADDRESS 1CE LINES	GEN. PURP.
N82S180I	PROM	8-BIT	8K=1024X8/MAX. ACCESS 70NS/10 ADDRESS 4CE LINES	GEN. PURP.
N82S181I	PROM	8-BIT	8K=1024X8/MAX. ACCESS 70NS/10 ADDRESS 4CE LINES	GEN. PURP.
N82S184F	PROM	4-BIT	8K=2048X4/MAX. ACCESS 100NS/11 ADDRESS 1CE LINES	GEN. PURP.
N82S184I	PROM	4-BIT	8K=2048X4/MAX. ACCESS 100NS/11 ADDRESS 1CE LINES	GEN. PURP.
N82S185F	PROM	4-BIT	8K=2048X4/MAX. ACCESS 100NS/11 ADDRESS 1CE LINES	GEN. PURP.
N82S185I	PROM	4-BIT	8K=2048X4/MAX. ACCESS 100NS/11 ADDRESS 1CE LINES	GEN. PURP.
N82S190F	PROM	8-BIT	16K=2048X8/MAX. ACCESS 80NS/11 ADDRESS 3CE LINES	GEN. PURP.
N82S190N	PROM	8-BIT	16K=2048X8/MAX. ACCESS 80NS/11 ADDRESS 3CE LINES	GEN. PURP.
N82S191F	PROM	8-BIT	16K=2048X8/MAX. ACCESS 80NS/11 ADDRESS 3CE LINES	GEN. PURP.
N82S191N	PROM	8-BIT	16K=2048X8/MAX. ACCESS 80NS/11 ADDRESS 3CE LINES	GEN. PURP.
N82S200I	PLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
N82S200N	PLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
N82S201I	PLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
N82S201N	PLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
N82S208F	SRAM	8-BIT	2K=256X8/MAX. ACCESS 60NS/8 ADDRESS 1CE LINES	GEN. PURP.
N82S208N	SRAM	8-BIT	2K=256X8/MAX. ACCESS 60NS/8 ADDRESS 1CE LINES	GEN. PURP.
N82S210F	SRAM	9-BIT	2304=256X9/MAX. ACCESS 60NS/8 ADDRESS 1CE LINES	GEN. PURP.
N82S210N	SRAM	9-BIT	2304=256X9/MAX. ACCESS 60NS/8 ADDRESS 1CE LINES	GEN. PURP.
N82S214B	MROM	8-BIT	2K=256X8/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	2650
N82S214F	MROM	8-BIT	2K=256X8/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	2650
N82S214I	MROM	8-BIT	2K=256X8/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	2650
N82S214N	MROM	8-BIT	2K=256X8/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	2650
N82S215F	MROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 2CE LINES	2650
N82S215I	MROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 2CE LINES	2650
N82S226B	MROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
N82S226F	MROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
N82S226N	MROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
PHI	DIL-28/2P	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/OC	N82S102I	N82S102N
PHI	DIL-28/2M	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/TS	N82S103N	N82S103I
PHI	DIL-28/2P	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/TS	N82S103I	N82S103N
PHI	DIL-28/2M	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/OC	N82S106N	N82S106I
PHI	DIL-28/2P	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/OC	N82S106I	N82S106N
PHI	DIL-28/2M	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/TS	N82S107N	N82S107I
PHI	DIL-28/2P	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/TS	N82S107I	N82S107N
PHI	DIL-16/1C	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/OC	N82S110N	N82S110F
PHI	DIL-16/1P	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/OC	N82S110F	N82S110N
PHI	DIL-16/1C	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/TS	N82S111N	N82S111F
PHI	DIL-16/1P	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/TS	N82S111F	N82S111N
PHI	DIL-24/2C	TTLB	OC/+75C	+5V	160MXMA	TTL	TTL/TS	N82S112N	N82S112F
PHI	DIL-24/2P	STLB	OC/+75C	+5V	160MXMA	TTL	TTL/TS	N82S112F	N82S112N
PHI	DIL-24/2C	STLB	OC/+75C	+5V	180MXMA	TTL	TTL/TS	N82S114N	N82S114F
PHI	DIL-24/2M	STLB	OC/+75C	+5V	180MXMA	TTL	TTL/TS	N82S114F	N82S114I
PHI	DIL-24/2P	STLB	OC/+75C	+5V	180MXMA	TTL	TTL/TS	N82S114F	N82S114N
PHI	DIL-24/2C	STLB	OC/+75C	+5V	180MXMA	TTL	TTL/TS	N82S115F	N82S115F
PHI	DIL-24/2M	STLB	OC/+75C	+5V	180MXMA	TTL	TTL/TS	N82S115F	N82S115I
PHI	DIL-24/2P	STLB	OC/+75C	+5V	180MXMA	TTL	TTL/TS	N82S115F	N82S115N
PHI	DIL-16/1P	STLB	OC/+75C	+5V	115MXMA	TTL	TTL/TS	N82S116F	N82S116B
PHI	DIL-16/1C	STLB	OC/+75C	+5V	115MXMA	TTL	TTL/TS	N82S116B	N82S116F
PHI	DIL-16/1P	STLB	OC/+75C	+5V	115MXMA	TTL	TTL/TS	N82S116F	N82S116N
PHI	DIL-16/1P	STLB	OC/+75C	+5V	115MXMA	TTL	TTL/OC	N82S117N	N82S117B
PHI	DIL-16/1C	STLB	OC/+75C	+5V	115MXMA	TTL	TTL/OC	N82S117B	N82S117F
PHI	DIL-16/1P	STLB	OC/+75C	+5V	115MXMA	TTL	TTL/OC	N82S117F	N82S117N
PHI	DIL-16/1P	STLB	OC/+75C	+5V	115MXMA	TTL	TTL/TS	N82S123N	N82S123B
PHI	DIL-16/1C	STLB	OC/+75C	+5V	115MXMA	TTL	TTL/TS	S82S123F	N82S123F
PHI	DIL-16/1P	STLB	OC/+75C	+5V	115MXMA	TTL	TTL/TS	N82S123B	N82S123N
PHI	DIL-16/1P	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/OC	N82S126N	N82S126B
PHI	DIL-16/1C	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/OC	S82S126F	N82S126F
PHI	DIL-16/1P	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/OC	N82S126B	N82S126N
PHI	DIL-16/1P	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/TS	N82S129N	N82S129B
PHI	DIL-16/1C	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/TS	N82S129N	N82S129F
PHI	DIL-16/1P	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/TS	N82S129B	N82S129N
PHI	DIL-16/1C	STLB	OC/+75C	+5V	140MXMA	TTL	TTL/OC	N82S130N	N82S130F
PHI	DIL-16/1P	STLB	OC/+75C	+5V	140MXMA	TTL	TTL/OC	N82S130F	N82S130N
PHI	DIL-16/1C	STLB	OC/+75C	+5V	140MXMA	TTL	TTL/TS	N82S13N	N82S131F
PHI	DIL-16/1P	STLB	OC/+75C	+5V	140MXMA	TTL	TTL/TS	N82S131F	N82S131N
PHI	DIL-18/1C	STLB	OC/+75C	+5V	140MXMA	TTL	TTL/OC	S82S136F	N82S136F
PHI	DIL-18/1C	STLB	OC/+75C	+5V	140MXMA	TTL	TTL/TS	S82S137F	N82S137F
PHI	DIL-24/2C	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/OC	N82S140I	N82S140F
PHI	DIL-24/2M	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/OC	N82S140F	N82S140I
PHI	DIL-24/2P	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/OC	S82S140F	N82S140N
PHI	DIL-24/2C	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/TS	S82S141F	N82S141F
PHI	DIL-24/2M	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/TS	S82S141I	N82S141I
PHI	DIL-24/2P	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/OC	N82S141F	N82S141N
PHI	DIL-20/1P	STLB	OC/+75C	+5V		TTL	TTL/OC		N82S146N
PHI	DIL-20/1P	STLB	OC/+75C	+5V		TTL	TTL/TS		N82S147N
PHI	DIL-24/2M	STLB	OC/+75C	+5V	150MXMA	TTL	TTL/OC	S82S180I	N82S180I
PHI	DIL-24/2M	STLB	OC/+75C	+5V	150MXMA	TTL	TTL/TS	S82S181I	N82S181I
PHI	DIL-18/1C	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/OC	N82S184I	N82S184F
PHI	DIL-18/1M	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/OC	N82S184F	N82S184I
PHI	DIL-18/1C	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/TS	S82S185F	N82S185F
PHI	DIL-18/1M	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/TS	N82S185F	N82S185I
PHI	DIL-24/2C	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/OC	N82S190N	N82S190F
PHI	DIL-24/2P	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/OC	N82S190F	N82S190N
PHI	DIL-24/2C	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/TS	N82S191N	N82S191F
PHI	DIL-24/2P	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/TS	N82S191F	N82S191N
PHI	DIL-28/2M	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/TS	N82S200N	N82S200I
PHI	DIL-28/2P	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/TS	N82S200I	N82S200N
PHI	DIL-28/2M	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/OC	S82S201I	N82S201I
PHI	DIL-28/2P	STLB	OC/+75C	+5V	170MXMA	TTL	TTL/OC	N82S201I	N82S201N
PHI	DIL-22/4C	STLB	OC/+75C	+5V	185MXMA	TTL	TTL/TS	N82S208N	N82S208F
PHI	DIL-22/4P	STLB	OC/+75C	+5V	185MXMA	TTL	TTL/TS	N82S208F	N82S208N
PHI	DIL-24/2C	TTLB	OC/+75C	+5V	185MXMA	TTL	TTL/TS	N82S210N	N82S210F
PHI	DIL-24/2P	TTLB	OC/+75C	+5V	185MXMA	TTL	TTL/TS	N82S210N	N82S210N
PHI	DIL-24/2P	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/TS	N82S214N	N82S214B
PHI	DIL-24/2C	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/TS	S82S214F	N82S214F
PHI	DIL-24/2M	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/TS	N82S214F	N82S214I
PHI	DIL-24/2P	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/TS	N82S214B	N82S214N
PHI	DIL-24/2C	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/TS	N82S215I	N82S215F
PHI	DIL-24/2M	STLB	OC/+75C	+5V	175MXMA	TTL	TTL/TS	N82S215F	N82S215I
PHI	DIL-16/1P	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/OC	N82S226N	N82S226B
PHI	DIL-16/1C	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/OC	S82S226F	N82S226F
PHI	DIL-16/1P	STLB	OC/+75C	+5V	120MXMA	TTL	TTL/OC	N82S226B	N82S226N

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
N82S229B	MROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
N82S229F	MROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
N82S229N	MROM	4-BIT	1K=256X4/MAX. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
N82S230F	MROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/9 ADDRESS 2CE LINES	GEN. PURP.
N82S231F	MROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/9 ADDRESS 2CE LINES	GEN. PURP.
N82S240F	MROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 4CE LINES	GEN. PURP.
N82S241F	MROM	8-BIT	4K=512X8/MAX. ACCESS 60NS/9 ADDRESS 4CE LINES	GEN. PURP.
N82S280I	MROM	8-BIT	8K=1024X8/MAX. ACCESS 70NS/10 ADDRESS 4CE LINES	GEN. PURP.
N82S281I	MROM	8-BIT	8K=1024X8/MAX. ACCESS 70NS/10 ADDRESS 4CE LINES	GEN. PURP.
N82S290F	MROM	8-BIT	16K=2048X8/MAX. ACCESS 70NS/11 ADDRESS 3CE LINES	GEN. PURP.
N82S291F	MROM	8-BIT	16K=2048X8/MAX. ACCESS 70NS/11 ADDRESS 3CE LINES	GEN. PURP.
N82S400I	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/12 ADDRESS 1CE LINES	GEN. PURP.
N82S401I	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/12 ADDRESS 1CE LINES	GEN. PURP.
N82S2708F	PROM	8-BIT	8K=1024X8/MAX. ACCESS 70NS/10 ADDRESS 1CE LINES	GEN. PURP.
N2901-1I	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/9.5MHZ CLOCK/2900 FAM.	2900
N2901-1N	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/9.5MHZ CLOCK/2900 FAM.	2900
N3001I	MCU	2-BIT	MICROPROGRAM CONTROL UNIT FOR 3000 2-BIT-SLICE FAMILY/60NS CYCLE	3000
N3001N	MCU	2-BIT	MICROPROGRAM CONTROL UNIT FOR 3000 2-BIT-SLICE FAMILY	3000
N3002-I	CPEBS	2-BIT	CENTRAL PROCESSING ELEMENT OF 3000 2-BIT SLICE FAM./70NS CLOCK	3000
N3002-N	CPEBS	2-BIT	CENTRAL PROCESSING ELEMENT OF 3000 2-BIT SLICE FAM.	3000
N3002XL	CPEBS	2-BIT	CENTRAL PROCESSING ELEMENT OF 3000 2-BIT-SLICE FAM.	
N3101AB	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CS LINES	GEN. PURP.
N3101AF	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CS LINES	GEN. PURP.
N3101AN	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CS LINES	GEN. PURP.
N8220F	CAM	2-BIT	8=4X2/MAX. ACCESS 40NS	GEN. PURP.
N8228F	MROM	4-BIT	4K=1024X4/MAX. ACCESS 70NS/10 ADDRESS 2CE LINES	GEN. PURP.
N8228I	MROM	4-BIT	4K=1024X4/MAX. ACCESS 70NS/10 ADDRESS 2CE LINES	GEN. PURP.
N9334B	LATCH	8-BIT	ADDRESSABLE LATCH	2650
N9334F	LATCH	8-BIT	ADDRESSABLE LATCH	2650
N93415AF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
N93415AN	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
N93425AF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
N93425AN	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NSu/5X 5Y CS ADDRESS LINES	GEN. PURP.
P1101A	SRAM	1-BIT	256=256X1/MAX. ACCESS 1.5uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
P1101A1	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS /4X 4Y 1CS ADDRESS LINES	GEN. PURP.
P1103	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
P1103A	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 205NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
P1103A-1	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 145NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
P1103A-2	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 145NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
P1103-1	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 180NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
P1302	MROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/MROM VERSION OF P1702A EPROM	GEN. PURP.
P1402A	SHFTR		1K=4X256 DYNAMIC SHIFT REG./5MHz CLOCK SPEED/QUAD-256	GEN. PURP.
P2101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
P2101A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
P2101A-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
P2101A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
P2101-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
P2101-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
P2102	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
P2102A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
P2102A-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
P2102A-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
P2102A-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
P2102A-6	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
P2102AL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
P2102AL2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
P2102AL4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
P2102-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
P2102-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
P2104A	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 ADDRESS 1CS LINES	GEN. PURP.
P2104A-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 ADDRESS 1CS LINES	GEN. PURP.
P2104A-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS 1CS LINES	GEN. PURP.
P2104A-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS 1CS LINES	GEN. PURP.
P2104A-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS 1CS LINES	GEN. PURP.
P2107C	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2107C-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2107C-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2107C-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2111	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	9080
P2111A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	9080
P2111A-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	9080
P2111A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	9080
P2111-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	9080
P2111-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	9080
P2112	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CE ADDRESS LINES	9080

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
PHI	DIL-16/1P	STLB	0C/+75C	+5V	120MXMA	TTL	TTL/TS	N82S229F	N82S229B
PHI	DIL-16/1C	STLB	0C/+75C	+5V	120MXMA	TTL	TTL/TS	N82S229B	N82S229F
PHI	DIL-16/1P	STLB	0C/+75C	+5V	120MXMA	TTL	TTL/TS	N82S229B	N82S229N
PHI	DIL-16/1C	STLB	0C/+75C	+5V	135MXMA	TTL	TTL/OC	S82S230F	N82S230F
PHI	DIL-16/1C	STLB	0C/+75C	+5V	135MXMA	TTL	TTL/TS	S82S231F	N82S231F
PHI	DIL-24/2C	STLB	0C/+75C	+5V	175MXMA	TTL	TTL/OC		N82S240F
PHI	DIL-24/2C	STLB	0C/+75C	+5V	175MXMA	TTL	TTL/TS		N82S241F
PHI	DIL-24/2M	STLB	0C/+75C	+5V	150MXMA	TTL	TTL/OC	S82S280I	N82S280I
PHI	DIL-24/2M	STLB	0C/+75C	+5V	150MXMA	TTL	TTL/TS	S82S281I	N82S281I
PHI	DIL-24/2C	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC		N82S290F
PHI	DIL-24/2C	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/TS		N82S291F
PHI	DIL-18/1M	TTLB	0C/+75C	+5V	155MXMA	TTL	TTL/OC		N82S400I
PHI	DIL-18/1M	TTLB	0C/+75C	+5V	155MXMA	TTL	TTL/TS		N82S401I
PHI	DIL-24/2C	STLB	0C/+75C	+5V	150MXMA	TTL	TTL/TS	D2708	N82S2708F
SIG	DIL-40/2C	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS		N2901-1I
SIG	DIL-40/2P	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS		N2901-1N
SIG	DIL-40/2C	STLB	0C/+70C	+5V	240MXMA	TTL	TTL /TS+OC	D3001	N3001I
SIG	DIL-40/2P	STLB	0C/+70C	+5V	240MXMA	TTL	TTL /TS+OC	D3001	N3001N
SIG	DIL-28/2C	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D3002	N3002-I
SIG	DIL-28/2P	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D3002	N3002-N
SIG	DIL-28/2C	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D3002	N3002XL
SIG	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	P3101A	N3101AB
SIG	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	P3101A	N3101AF
SIG	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	P3101A	N3101AN
PHI	DIL-16/1C	TTLB	0C/+75C	+5V	118MXMA	TTL	TTL/OC		N8220F
PHI	DIL-16/1C	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/TP	N8228I	N8228F
PHI	DIL-16/1M	STLB	0C/+75C	+5V	170MXMA	TTL	TTL/TP	N8228F	N8228I
PHI	DIL-16/1P	TTLB	0C/+70C	+5V		TTL	TTL	SN74LS259N	N9334B
PHI	DIL-16/1C	TTLB	0C/+70C	+5V		TTL	TTL	SN74LS259J	N9334F
PHI	DIL-16/1C	TTLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S10F	N93415AF
PHI	DIL-16/1P	TTLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S10N	N93415AN
PHI	DIL-16/1C	TTLB	0C/+75C	+5V	170MXMA	TTL	TTL/TS	N82S111F	N93425AF
PHI	DIL-16/1P	TTLB	0C/+75C	+5V	170MXMA	TTL	TTL/TS	N82S111F	N93425AN
INL	DIL-16/1P	PMOS	0C/+70C	-9V/+5V	35MXMA	TTL	TTL/TS	AM1101APC	P1101A
INL	DIL-16/1P	PMOS	0C/+70C	-9V/+5V	24MXMA	TTL	TTL/TS	MM1101A1N	P1101A1
INL	DIL-18/1P	PMOS	0C/+70C	+16V/+19V	25MXMA	MOS	SENSE AMP	P1103A	P1103
INL	DIL-18/1P	PMOS	0C/+70C	+19V/+22.5V	25MXMA	MOS	SENSE AMP	SY1103A	P1103A
INL	DIL-18/1P	PMOS	0C/+70C	+19V/+22.5V	33MXMA	MOS	SENSE AMP	S1103A/1-1P	P1103A-1
AMI	DIL-18/1P	PMOS	0C/+70C	+16V/+19.5V	30MXMA	MOS	SENSE AMP	S1103A/2-1P	P1103A-2
INL	DIL-18/1P	PMOS	0C/+70C	+16V/+19V	23MXMA	MOS	SENSE AMP	S1103X-2P	P1103-1
INL	DIL-24/2P		0C/+70C	-9V/+5V		TTL	TTL/TS	C1302	P1302
INL	DIL-16/1P	PMOS	0C/+70C	-9V/+5V	25MXMA	TTL	MOS/TTL	2502N	P1402A
INL	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2101A-4	P2101
INL	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	MM2101A	P2101A
INL	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	C2101A-2	P2101A-2
ADM	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B2101A-4	P2101A-4
INL	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2101A-4	P2101-1
INL	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2101A-4	P2101-2
INL	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-6	P2102
INL	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	MM2102A	P2102A
INL	DIL-16/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2102A-1	P2102A-1
INL	DIL-16/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2102A-2	P2102A-2
INL	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	MC2102A-4	P2102A-4
INL	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	MC2102A-6	P2102A-6
INL	DIL-16/1P	NMOS	0C/+70C	+5V	33MXMA	TTL	TTL/TS	SAB2102AL	P2102AL
INL	DIL-16/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2102AL2	P2102AL2
INL	DIL-16/1P	NMOS	0C/+70C	+5V	33MXMA	TTL	TTL/TS	D2102AL4	P2102AL4
INL	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-4	P2102-1
INL	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-6	P2102-2
INL	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4027N-4	P2104A
INL	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4027N-2	P2104A-1
INL	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	32MXMA	TTL	TTL/TS	MK4027N-3	P2104A-2
INL	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	30MXMA	TTL	TTL/TS	MK4027N-3	P2104A-3
INL	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	30MXMA	TTL	TTL/TS	MK4027P-3	P2104A-4
INL	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MM5280	P2107C
INL	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MM5280	P2107C-1
INL	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MM5280	P2107C-2
INL	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MM5280	P2107C-4
ADM	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A	P2111
INL	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	SYP2111A	P2111A
INL	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A-2	P2111A-2
INL	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	SAB2111A-4-P	P2111A-4
ADM	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A	P2111-1
ADM	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A	P2111-2
INL	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A-4	P2112

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
P2112A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 1CE ADDRESS LINES	9080
P2112A-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 1CE ADDRESS LINES	9080
P2112A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDRESS LINES	9080
P2112-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 1CE ADDRESS LINES	9080
P2114	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
P2114L	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
P2114L-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
P2114L-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
P2114-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
P2114-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
P2115	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2115A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2115AL-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2115A-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2115AL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2115L	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2115-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2125	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2125A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2125A-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2125AL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2125L	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2125-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 55NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
P2141L-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2141L-4	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2141L-5	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2141-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 120NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2141-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2141-4	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2141-5	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
P2142	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
P2142L	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
P2142L-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
P2142L-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
P2142-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/ X 4Y 1CS ADRESS LINES	GEN. PURP.
P2142-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
P2308	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
P2308A	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
P2316AL	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/11 ADDRESS 3CS LINES	GEN. PURP.
P2332A	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES/30MXMA STANDBY	GEN. PURP.
P2364A	MROM	8-BIT	64K=8192X8/MAX. ACCESS 450NS/13 ADDRESS ICE LINES	GEN. PURP.
P2401	SHFTR	1-BIT	2048=1024X2/DYNAMIC RECIRCULATING/1MHZ/ 1-PHASE CLOCK	GEN. PURP.
P2405	SHFTR	1-BIT	1024=1024X1/DYNAMIC RECIRCULATING/1MHZ/ 1-PHASE CLOCK	GEN. PURP.
P2416	SMEM	1-BIT	16K=64X256/CCD SERIAL MEMORY/2 MEGABIT RATE/DRIVEN BY INTEL 5244	GEN. PURP.
P2608	PROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/10 ADDRESS ICS LINES	GEN. PURP.
P3101	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS ICS LINES	GEN. PURP.
P3101A	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS ICS LINES	GEN. PURP.
P3205	DECDR	3-BIT	1-OF-8 BINARY DECODER/MAX. DELAY 18NS	GEN. PURP.
P3208A	SAMP	6-BIT	HEX BIPOLAR SENSE AMPLIFIER FOR MOS CIRCUITS	GEN. PURP.
P3212	LATCH	8-BIT	MULTIMODE LATCH BUFFER/8 D-TYPE LATCHES/MAX. WRITE CYCLE 50NS	3000
P3214	ITRPC	8-BIT	INTERRUPT CONTROL UNIT	3000
P3216	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER	3000
P3226	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER/INVERTING	3000
P3404	LATCH	6-BIT	HIGH SPEED 6-BIT LATCH/MAX. DELAY 12NS	GEN. PURP.
P3408	SAMP	6-BIT	HEX BIPOLAR SENSE AMP. WITH LATCH FOR MOS CIRCUITS	GEN. PURP.
P4001	MROM	8-BIT	256X8(=512X4)/MAX. ACCESS 930NS/4-BIT I-O PORT/MUX. SERIAL CNTRL	4004/4040
P4002-1	RAMIO	4-BIT	320=4X20X4 RAM + 4-BIT OUTPUT PORT/CHIP SELECTION OPTION 1	4004/4040
P4002-2	RAMIO	4-BIT	320=4X20X4 RAM + 4-BIT OUTPUT PORT/CHIP SELECTION OPTION 2	4004/4040
P4003	SHFTR	10-BIT	SHIFT REGISTER, SERIAL INPUT, PARALLEL OUTPUT	4004/4040
P4004	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4004 FAMILY (APP. B)	4004
P4008	MEMCT	4-BIT	MEMORY INTERFACE UNIT/ ADDRESS LATCHING UNIT	4004/4040
P4009	IOCTR	4-BIT	I-O CONTROL UNIT FOR 4004-4040 SYSTEM (APP. B)	4004/4040
P4040	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4040 FAMILY (APP. B)	4040
P4201A	CLOCK	2-BIT	CLOCK GENERATOR/XTAL CONTROLLED/FOR 4004-4040 FAMILY (APP. B)	4004/4040
P4265	PIO	8-BIT	PROGRAMMABLE I-O DEVICE FOR 4004-4040 FAMILY (APP. B)	4004-4040
P4269	KBDSC		PROGRAMMABLE KEYBOARD AND DISPLAY CONTROL UNIT	4004/4040
P4308	MROM	8-BIT	8K=1024X8/MAX. ACCESS 930NS/4 4-BIT I-O PORTS/MUX. SER. CONTROL	4004/4040
P4316A	ROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/11 ADDRESS 3CS LINES	GEN. PURP.
P5101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/500HA STANDBY	GEN. PURP.
P5101L	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/15uA STANDBY	GEN. PURP.
P5101L-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/15uA STANDBY	GEN. PURP.
P5101L-3	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/200uA STANDBY	GEN. PURP.
P5101-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
P5101-3	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
P5101-8	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A	P2112A
INL	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A-2	P2112A-2
INL	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A-4	P2112A-4
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A	P2112-2
INL	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	SYP2114	P2114
INL	DIL-18/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	C2114L	P2114L
INL	DIL-18/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	C2114L-2	P2114L-2
INL	DIL-18/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2114L-2	P2114L-3
INL	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	C2114-2	P2114-2
INL	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	SAB2114-3-C	P2114-3
INL	DIL-16/1P	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/OC	P2115A-2	P2115
INL	DIL-16/1P	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/OC	93415ADC	P2115A
INL	DIL-16/1P	NMOS	0C/+75C	+5V	75MXMA	TTL	TTL/OC	93L415ADC	P2115AL-2
INL	DIL-16/1P	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/OC	93415ADC	P2115A-2
INL	DIL-16/1P	NMOS	0C/+75C	+5V	75MXMA	TTL	TTL/OC	93L415ADC	P2115AL
INL	DIL-16/1P	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/OC	P2115AL-2	P2115L
INL	DIL-16/1P	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/OC	P2115A-2	P2115-2
INL	DIL-16/1C	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/TS	P2125A-2	P2125
INL	DIL-16/1P	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/TS	93425ADC	P2125A
INL	DIL-16/1P	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/TS	93425ADC	P2125A-2
INL	DIL-16/1P	NMOS	0C/+75C	+5V	75MXMA	TTL	TTL/TS	93L415ADC	P2125AL
INL	DIL-16/1P	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	P2125AL-2	P2125L
INL	DIL-16/1P	NMOS	0C/+75C	+5V	125MXMA	TTL	TTL/TS	P2125A-2	P2125-2
INL	DIL-18/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MCM66L41P-20	P2141L-3
INL	DIL-18/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MCM66L41P-20	P2141L-4
INL	DIL-18/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MCM66L41P-25	D2141L-5
INL	DIL-18/1P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM6641P-20	P2141-2
INL	DIL-18/1P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM6641P-20	P2141-3
INL	DIL-18/1P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM6641P-20	P2141-4
INL	DIL-18/1P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM6641P-25	P2141-5
INL	DIL-20/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-20JL	P2142
INL	DIL-20/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-20JL	P2142L
INL	DIL-20/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-20JL	P2142L-2
INL	DIL-20/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-30JL	P2142L-3
INL	DIL-20/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4047-20JL	P2142-2
INL	DIL-20/1P	NMOS	0C/99C	+5V		TTL	TTL/T3	TMS4047-30JL	P2142-3
INL	DIL-24/2P	NMOS	0C/+70C	-5V/+5V/+12V	840MXMW	TTL	TTL/TS	MK30000N	P2308
ELA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	P2308	P2308A
INL	DIL-24/2P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	MK31000N-3	P2316AL
INL	DIL-24/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS		P2332A
INL	DIL-28/2P	NMOS	0C/+75C	+5V		TTL	TTL/TS		P2364A
INL	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	ER2401(PLASTIC)	P2401
INL	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL		P2405
INL	DIL-16/1P	NMOS	-10C/+80C	-5V/+12V	25MXMA	MOS	MOS/OD		P2416
INL	DIL-24/2P	MNOS	0C/+70C	+5V	800MXMW	TTL	TTL/TS		P2608
INL	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	P3101A	P3101
INL	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	N3101AN	P3101A
INL	DIL-16/1P	TTLB	0C/+75C	+5V	70MXMA	TTL	TTL	D3205	P3205
INL	DIL-18/1P	STLB	0C/+70C	+5V	120MXMA	MOS	TTL/OC	D3208A	P3208A
INL	DIL-24/2P	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	D3212	P3212
INL	DIL-24/2P	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL	D3214	P3214
INL	DIL-16/1P	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	D3216	P3216
INL	DIL-16/1P	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	SAB3226-P	P3226
SIE	DIL-16/1P	TTLB	0C/+75C	+5V	75MXMA	TTL	TTL	SAB3404-P	P3404
INL	DIL-18/1P	STLB	0C/+70C	+5V	125MXMA	MOS	TTL/TS	SAB3408-P	P3408
INL	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	30MXMA	TTL	TTL	SAB4001-P	P4001
INL	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	33MXMA	TTL	TTL	SAB4002-1-P	P4002-1
INL	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	33MXMA	TTL	TTL	SAB4002-2-P	P4002-2
INL	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	8.5MXMA	TTL	TTL	SAB4003-P	P4003
INL	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	600MXMW	TTL	TTL	SAB4004-P	P4004
INL	DIL-24/2P	PMOS	0C/+70C	-10V/+5V	750MXMW	TTL	TTL	SAB4008-P	P4008
INL	DIL-24/2P	PMOS	0C/+70C	-10V/+5V	30MXMA	TTL	TTL	SAB4009-P	P4009
INL	DIL-24/2P	PMOS	0C/+70C	-10V/+5V	60MXMA	TTL	TTL	SAB4040-P	P4040
INL	DIL-16/1P	CMOS	0C/+70C	-5V/+15V	300MXMW		MOS+TTL	SAB4201A-P	P2401A
INL	DIL-28/2P	PMOS	0C/+70C	-10V/+5V	50MXMA	TTL	TTL	SAB4265-P	P4265
INL	DIL-40/2M		0C/+70C	-10V/+5V	65MXMA			SAB4269-D	P4269
INL	DIL-28/2P	PMOS	0C/+70C	-10V/+5V	400MXMW	TTL	TTL	SAB4308-P	P4308
INL	DIL-24/2P	NMOS	0C/+70C	+5V	98MXMA	TTL	TTL/TS	MCM68A316AP	P4316A
INL	DIL-22/4P	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	P5101L	P5101
INL	DIL-22/4P	CMOS	0C/+70C	+5V	135MXMW	TTL	TTL/TS	S5101L/2-1C	P5101L
INL	DIL-22/4P	CMOS	0C/+70C	+5V	135MXMW	TTL	TTL/TS	S5101L/1-1C	P5101L-1
INL	DIL-22/4P	CMOS	0C/+70C	+5V	135MXMW	TTL	TTL/TS	S5101L/1-1C	P5101L-3
INL	DIL-22/4P	CMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	P5101L-1	P5101-1
INL	DIL-22/4P	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	P5101L-3	P5101-3
INL	DIL-22/4P	CMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	S5101/8-1C	P5101-8

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
P8021	MICMP	8-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/64X8 RAM/21 IO/TIMER/LOW COST	8048
P8022	MICMP	8-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/64X8 RAM/21 IO/TIMER/ADC/LOW COST	8048
P8035	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS 8048	8048
P8035L	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS 8048	8048
P8035-8	MICMP	8-BIT	1-CHIP MICROCOMPUTER/3MHZ CLOCK/64X8 RAM/ROMLESS 8048	8048
P8039	MICMP	8-BIT	1-CHIP MICROCOMPUTER/11MHZ CLOCK/128X8 RAM/ROMLESS 8049	8048
P8039L	MICMP	8-BIT	1-CHIP MICROCOMPUTER/11MHZ CLOCK/128X8 RAM/ROMLESS 8049L	8048
P8039L-6	MICMP	8-BIT	1-CHIP MICROCOMPUTER/ 6MHZ CLOCK/128X8 RAM/ROMLESS 8049L	8048
P8039-6	MICMP	8-BIT	1-CHIP MICROCOMPUTER/ 6MHZ CLOCK/128X8 RAM/ROMLESS 8049	8048
P8041	PIA	8-BIT	UNIVERSAL PERIPHERAL INTERFACE FOR 8080-8048-8085-8086/INT. MROM	8080 ETC
P8048	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
P8048-8	MICMP	8-BIT	1-CHIP MICROCOMPUTER/3MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
P8049	MICMP	8-BIT	1-CHIP MICROCOMPUTER/11MHZ CLOCK/128X8 RAM/2KX8 MROM/27 IO/TIMER	8048
P8080A	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN. INSTN. CYCLE 2uS	8080
P8080A-1	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN. INSTN. CYCLE 1.3uS	8080
P8080A-2	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN. INSTN. CYCLE 1.5uS	8080
P8085	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.3uS	8085
P8085A	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.2uS	8085
P8085A-2	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 0.8uS	8085
P8101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1.3uS/5X 3Y 2CS ADDRESS LINES/SEP. I-O	8080
P8101A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES/SEP. I-O	8080
P8101-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 850NS/5X 3Y 2CS ADDRESS LINES/SEP. I-O	8080
P8102	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1.3uS/5X 5Y ICE ADDRESS LINES	8080
P8102A-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y ICE ADDRESS LINES	8080
P8102A-6	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y ICE ADDRESS LINES	8080
P8102-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 850NS/5X 5Y ICE ADDRESS LINES	8080
P8111	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1.3uS/5X 3Y 2CE ADDRESS LINES/COMMON I-O	8080
P8111A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/COMMON I-O	8080
P8111-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 850NS/5X 3Y 2CE ADDRESS LINES/COMMON I-O	8080
P8155	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8048/8085
P8155-2	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8085A/8039
P8156	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE HIGH/SRAM/I-O PORTS/CLOCK	8048/8085
P8156-2	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE HIGH/SRAM/I-O PORTS/CLOCK	8085A/8039
P8185	SRAM	8-BIT	8K=1024X8/MAX. ACCESS 300NS/6 ADDR.-DATA 2 ADDR. ICS LINES/STDBY	8085A
P8185-2	SRAM	8-BIT	8K=1024X8/MAX. ACCESS 200NS/6 ADDR.-DATA 2 ADDR. ICS LINES/STDBY	8085A-2
P8205	DECDR	3-BIT	1 OUT OF 8 BINARY DECODER/MAX. DELAY 18NS	8080
P8212	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAMILIES (APP. B)	8080-9080
P8214	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM. (APP. B)	8080
P8216	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/8080 DATA BUS BUFFER DVR	8080-9080
P8224	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
P8226	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080-9080
P8228	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
P8238	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMILIES (APP. B)	8080-9080
P8243	EXPIO	4-BIT	INPUT-OUTPUT EXPANDER/4 I-O PORTS AS EXTENSION FROM ONE I-O PORT	8048
P8251	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
P8251A	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
P8253	PTM	.	PROGRAMMABLE INTERVAL TIMER/THREE 16-BIT COUNTERS/DC-2MHZ	8080
P8253-5	PTM	.	PROGRAMMABLE INTERVAL TIMER/THREE 16-BIT COUNTERS/DC-2MHZ	8085A
P8255	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAMILY (APP. B)	8080-9080
P8255A	PIA	8-BIT	PROG. I-O PORT	8080
P8255A-5	PIA	8-BIT	PROG. I-O PORT	8080
P8257	DMAC	8-BIT	PROGRAMMABLE DMA CONTROLLER/4-CHANNEL	8080
P8257-5	DMAC	8-BIT	PROGRAMMABLE DMA CONTROLLER/4-CHANNEL/FOR 8085 SYSTEM	8085
P8259	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8080 FAM. (APP. B)	8080
P8259A	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8080A FAM. (APP. B)	8080A
P8259A-8	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8085A	8085A
P8259A-8	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8085 FAM. (APP.	8085A
P8259-5	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8085 FAM. (APP. B)	8085
P8271	FLPDC	8-BIT	PROGR. FLOPPY DISK CONTROLLER/IBM 3740 SOFT SECTORED FORMAT/2MHZ	8080
P8275	CRTC	8-BIT	PROGRAMMABLE CRT CONTROLLER FOR 8080 FAMILY	8080
P8278	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY INTERFACE/CAPACITIVE COUPLED KEYBD	8080
P8279	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY INTERFACE	8080
P8279-5	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY INTERFACE FOR 8085 FAMILY	8085
P8282	LATCH	8-BIT	OCTAL LATCH DATA-REGISTER-BUFFER/NON-INVERTING	8080
P8283	LATCH	8-BIT	OCTAL LATCH DATA-REGISTER-BUFFER/NON-INVERTING	8080
P8284	CLOCK	.	CLOCK GENERATOR AND DRIVER FOR 8086 CPU	8086
P8286	TRCVR	8-BIT	DATA BUS BUFFER DRIVER FOR 8080, 8085, 8048/NON-INV.	8080 ETC
P8287	TRCVR	8-BIT	DATA BUS BUFFER DRIVER FOR 8080, 8085, 8048/INVERTING	8080 ETC
P8288	IFACE	8-BIT	BUS CONTROLLER FOR 8086 CPU	8080
P8291	SPECL	8-BIT	GPIB TALKER-LISTENER/INTERFACE TO IEEE 488 DIGITAL INTERFACE BUS	8080, ETC
P8292	SPECL	8-BIT	GPIB CONTROLLER/WITH 8291 IMPLEMENTS FULL IEEE 488 CONTRL FUNCTN	8080, ETC
P8294	SPECL	8-BIT	DATA ENCRYPTION UNIT FOR 8080,8048, 8085, 8086 FAMS.	8080 ETC
P8295	PRTRC	8-BIT	DOT MATRIX PRINTER CONTROLLER FOR 8080, 8048, 8085 FAMS.	8080, ETC
P8308A	MROM	8-BIT	8K=1024X8/MAX. ACCESS 400NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
P8316A	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDR. LINES/PINOUT-A	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
INL	DIL-28/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	uPD8021C	P8021
INL	DIL-40/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL		P8022
INL	DIL-40/2P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	D8035	P8035
INL	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	D8035L	P8035L
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8035	P8035-8
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	D8039	P8039
INL	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL		P8039L
INL	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL		P8039L-6
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8039	P8039-6
INL	DIL-40/2P	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL	D8041	P8041
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	SAB8048-C	P8048
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	SAB8048-C	P8048-8
INL	DIL-40/2P	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	MPD8049P	P8049
INL	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	SAB8080A-P	P8080A
INL	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	SAB8080A-1-D	P8080A-1
INL	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	AM8080A-2DM	P8080A-2
INL	DIL-40/2C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	SAB8085-P	P8085
INL	DIL-40/2C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	D8085A	P8085A
INL	DIL-40/2C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	D8085A-2	P8085A-2
INL	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P8101A-4	P8101
INL	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	SAB8101A-4-B	P8101A-4
INL	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P8101A-4	P8101-2
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	P8102A-4	P8102
INL	DIL-16/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS	SAB8102A-4-P	P8102A-4
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	P8102A-4	P8102A-6
ADM	DIL-16/1P	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	P8102A-4	P8102-2
INL	DIL-18/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P8111A-4	P8111
INL	DIL-18/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	SAB8111A-4-P	P8111A-4
INL	DIL-18/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P8111A-4	P8111-2
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	SAB8155-C	P8155
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	D8155-2	P8155-2
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8156	P8156
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8156-2	P8156-2
INL	DIL-18/1P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	D8185	P8185
INL	DIL-18/1P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	C8185-2	P8185-2
INL	DIL-16/1C	STLB	0C/+75C	+5V	70MXMA	TTL	TTL	SAB8205-P	P8205
INL	DIL-24/2P	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	D8212	P8212
INL	DIL-24/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	SAB8214-P	P8214
ADM	DIL-16/1P	STLB	0C/+70C	+5V	375MXMW	TTL	TTL/TS	SAB8216P	P8216
INL	DIL-16/1P	STLB	0C/+70C	+5V/+12V	115MXMA		TTL	SAB8224-P	P8224
INL	DIL-16/1P	STLB	0C/+70C	+5V		TTL	TTL/TS	SAB8226-P	P8226
INL	DIL-28/2P	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	SAB8228-P	P8228
INL	DIL-28/2P	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	AM8238PC	P8238
INL	DIL-24/2C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL	SAB8243-P	P8243
INL	DIL-28/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	SAB8251-P	P8251
INL	DIL-28/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	SAB8251-P	P8251A
INL	DIL-24/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	C8253	P8253
INL	DIL-24/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8253-5	P8253-5
INL	DIL-40/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	uPD8255CE	P8255
INT	DIL-40/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	INS8255	P8255A
NAT	DIL-40/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	D8255A-5	P8255A-5
INL	DIL-40/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	uPD8257	P8257
INL	DIL-40/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	D8257-5	P8257-5
INL	DIL-28/2P	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	uPD8259	P8259
INL	DIL-28/2P	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8259A	P8259A
INL	DIL-28/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8259A-8	P8259A-8
INL	DIL-28/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8259A-8	P8259A-8
INL	DIL-28/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8259-A	P8259-5
INL	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	D8271	P8271
INL	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	D8275	P8275
INL	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL		P8278
INL	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	SAB8279-P	P8279
INL	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	D8279-5	P8279-5
INL	DIL-20/1P	BIP	0C/+70C	+5V	160MXMA	TTL	TTL/TS	D8282	P8282
INL	DIL-20/1P	BIP	0C/+70C	+5V	160MXMA	TTL	TTL/TS	D8283	P8283
INL	DIL-18/1P	BIP	0C/+70C	+5V	140MXMA	TTL	TTL	D8284	P8284
INL	DIL-20/1P	BIP	0C/+70C	+5V	160MXMA	TTL	TTL/TS	D8286	P8286
INL	DIL-20/1P	BIP	0C/+70C	+5V	130MXMA	TTL	TTL/TS	D8287	P8287
INL	DIL-20/1P	BIP	0C/+70C	+5V	230MXMA	TTL	TTL/TS	D8288	P8288
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	D8291	P8291
INL	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	D8292	P8292
INL	DIL-40/2P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	D8294	P8294
INL	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	D8295	P8295
ELA	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	EA8308APC	P8308A
INL	DIL-24/2P	NMOS	0C/+70C	+5V	98MXMA	TTL	TTL/TS	SAB8316A-P	P8316A

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
P8316E	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDR. LINES/PINOUT-E	8080
P8355	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8 ADDR.-DATA 2CE ADDR. LINES	8048/8085
P8355-2	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 300NS/8 ADDR.-DATA 2CE ADDR. LINES	8085A-2
PACE BTE/8(CER)	LVLSH	8-BIT	BIDIRECTIONAL TRANSCEIVER/MOS LEVEL TO TTL/=DP8300D	PACE
PACE BTE/8(PLS)	LVLSH	8-BIT	BIDIRECTIONAL TRANSCEIVER/MOS LEVEL TO TTL/=DP8300N	PACE
PACE MILE	LATCH	16-BIT	MICROPROCESSOR INTERFACE LATCH ELEMENT/=DP8301D	PACE
PIC1640	MICTR	8-BIT	SINGLE CHIP MICROCONTROLLER -1650 FAMILY (APP. B) /2 I-O BUSES	1650
PIC1645	MICTR	8-BIT	1-CHIP MICROCONTROLLER/256X12 ROM VERSION OF 512X12 ROM PIC1650	1640
PIC1650	MICTR	8-BIT	SINGLE CHIP MICROCONTROLLER -1650 FAMILY (APP. B) /4 I-O BUSES	1640
PIC1655	MICTR	8-BIT	1-CHIP MICROCONTROLLER/20 I-O LINES VERSN. OF 32 I-O LINE PC1650	1640
PIC1664	MICMP	8-BIT	ROMLESS PIC1650 1-CHIP MICROCOMPUTER WITH ROM ADDR. AND DATA EXT	PIC1650
PIC1670	MICTR	8-BIT	1-CHIP MICROCONTROLLER/1KX12 ROM VERSN. OF 512X12 ROM PIC1650	1640
PPS-4CPU(12660)	CPU	4-BIT	CPU OF 3-CHIP-MIN. SYST. (EXT. 10706 CLK, A17XX OR A23XX MEMIO	PPS-4
PPS-4/1(MM75)	MICMP	4-BIT	1-CHIP MICROCOMP./640X8 MROM/48X4 RAM/22 I-O/ECONOMY VERSN. MM76	PPS-4/1
PPS-4/1(MM76)	MICMP	4-BIT	1-CHIP MICROCOMP./640X8 MROM/48X4 RAM/31 I-O/2 INTERRUPT LINES	PPS-4/1
PPS-4/1(MM76C)	MICMP	4-BIT	1-CHIP MICROCOMP./640X8 MROM/48X4 RAM/39 I-O/HIGH SPEED COUNTER	PPS4-1
PPS-4/1(MM76D)	MICMP	4-BIT	1-CHIP MICROCOMP./640X8 MROM/48X4 RAM/37 I-O/2 INTERR./12-BT ADC	PPS-4/1
PPS-4/1(MM76E)	MICMP	4-BIT	1-CHIP MICROCOMP./1024X8 MROM/48X4 RAM/31 I-O/EXPANDED MM76	PPS-4/1
PPS-4/1(MM77)	MICMP	4-BIT	1-CHIP MICROCOMP./1344X8 MROM/96X4 RAM/31 I-O/2 INTERRUPT LINES	PPS-4/1
PPS-4/1(MM78)	MICMP	4-BIT	1-CHIP MICROCOMP./2048X8 MROM/128X4 RAM/31 I-O/2 INTERRUPT LINES	PPS-4/1
PPS4/2CPU-11660	CPU	4-BIT	CPU OF 2-CHIP-MIN. SYST. (EXT. A17XX OR A23XX MEMIO)/INTERN. CLK	PPS-4/2
PPS-8CPU(11806)	CPU	8-BIT	CPU OF 5-CHIP-MIN. SYST. (EXT. ROM, RAM, MEM. IFCE, COMMS. IFCE)	PPS-8
PPS8/2CPU-12806	CPU	8-BIT	CPU OF 2-CHIP-MIN. SYST. (EXT. A21XX OR A22XX MEMIO-CLK)	PPS-8/2C
R2114C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	6500
R2114P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	6500
R2316AC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
R2316AP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 550NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
R2316BC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
R2316BP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
R2332C	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/8X 4Y 2CS ADDRESS LINES	GEN. PURP.
R2332P	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/8X 4Y 2CS ADDRESS LINES	GEN. PURP.
R2332-3C	MROM	8-BIT	32K=4096X8/MAX. ACCESS 300NS/8X 4Y 2CS ADDRESS LINES	GEN. PURP.
R6502AC	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/65K ADDR. CAPAC./2MHZ CLOCK	6500
R6502AP	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/65K ADDR. CAPAC./2MHZ CLOCK	6500
R6502C	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/65K ADDR. CAPAC./1MHZ CLOCK	6500
R6502P	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/65K ADDR. CAPAC./1MHZ CLOCK	6500
R6503AC	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./2 INTERRUPT LINES/2MHZ	6500
R6503AP	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./2 INTERRUPT LINES/2MHZ	6500
R6503C	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./2 INTERRUPT LINES/1MHZ	6500
R6503P	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./2 INTERRUPT LINES/1MHZ	6500
R6504AC	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
R6504AP	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
R6504C	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
R6504P	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
R6505AC	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
R6505AP	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
R6505C	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
R6505P	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./1 INTERRUPT LINE/ IMHZ	6500
R6506AC	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./20 OFF/ 2MHZ CLOCK	6500
R6506AP	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./20 OFF/ 2MHZ CLOCK	6500
R6506C	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./20 OFF/ 1MHZ CLOCK	6500
R6506P	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./20 OFF/ 1MHZ CLOCK	6500
R6507AC	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./NO 20 OFF/2MHZ CLOCK	6500
R6507AP	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./NO 20 OFF/2MHZ CLOCK	6500
R6507C	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./NO 20 OFF/1MHZ CLOCK	6500
R6507P	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./NO 20 OFF/1MHZ CLOCK	6500
R6512C	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHIP/65K ADDR. CAPAC./ 1MHZ CLOCK	6500
R6512P	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHIP/65K ADDR. CAPAC./ 1MHZ CLOCK	6500
R6513C	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./2 INTERRUPT LINES/1MHZ	6500
R6513P	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./2 INTERRUPT LINES/1MHZ	6500
R6514C	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
R6514P	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/8K ADDR. CAPAC./1 INTERPUPT LINE/ 1MHZ	6500
R6515C	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
R6515P	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
R6520AC	PIA	8-BIT	PERIPHERAL ADAPTER FOR 6500 FAMILY (APP. B)/2MHZ CLOCK SPEED	6500
R6520AP	PIA	8-BIT	PERIPHERAL ADAPTER FOR 6500 FAMILY (APP. B)/2MHZ CLOCK SPEED	6500
R6520C	PIA	8-BIT	PERIPHERAL ADAPTER FOR 6500 FAMILY (APP. B)/1MHZ CLOCK SPEED	6500
R6520P	PIA	8-BIT	PERIPHERAL ADAPTER FOR 6500 FAMILY (APP. B)/1MHZ CLOCK SPEED	6500
R6522AC	PIA	8-BIT	VERSATILE INTERFACE ADAPTER FOR 6500 FAM./EXPANDED 6520/2MHZ CLK	6500
R6522AP	PIA	8-BIT	VERSATILE INTERFACE ADAPTER FOR 6500 FAM./EXPANDED 6520/2MHZ CLK	6500
R6522C	PIA	8-BIT	VERSATILE INTERFACE ADAPTER FOR 6500 FAM./EXPANDED 6520/1MHZ CLK	6500
R6522P	PIA	8-BIT	VERSATILE INTERFACE ADAPTER FOR 6500 FAM./EXPANDED 6520/1MHZ CLK	6500
R6530C	MEMIO	8-BIT	MEMORY, I-O, TIMER ARRAY/INC. 1KX8 ROM, 64X8 SRAM/FOR 6500 FAM.	6500
R6530P	MEMIO	8-BIT	MEMORY, I-O, TIMER ARRAY/INC. 1KX8 ROM, 64X8 SRAM/FOR 6500 FAM.	6500
R6532C	MEMIO	8-BIT	MEMORY, I-O, TIMER ARRAY/INC. 128X8 SRAM/FOR 6500 FAM. (APP. B)	6500

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ADM	DIL-24/2P	NMOS	0C/+70C	+5V	499MXMW	TTL	TTL/TS	EA2316EPC	C8316E
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	SAB8355-P	P8355
INL	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL		P8355-2
NAT	DIL-24/2C	NMOS	0C/+70C	+5V	110MXMA	TTL	TTL/TS		PACE BTE/8CCER)
NAT	DIL-24/2P	NMOS	0C/+70C	+5V	110MXMA	TTL	TTL/TS		PACE BTE/8(PLS)
NAT	DIL-28/2C	CMOS	-40C/+85C	+5V	5MXMA	TTL	TTL/TS		PACE MILE
GEI	DIL-40/2C	NMOS	0C/+50C	+5V	75MXMA	TTL	TTL		PIC1640
GEI	DIL-18/1-	NMOS	0C/+50C	+5V		TTL	TTL		PIC1645
GEI	DIL-40/2C	NMOS	0C/+50C	+5V	75MXMA	TTL	TTL		PIC1650
GEI	DIL-28/2-	NMOS	0C/+50C	+5V		TTL	TTL		PIC1655
GEI	DIL-64/2-	NMOS	0C/+50C	+5V		TTL	TTL		PIC1664
GEI	DIL-40/2-	NMOS	0C/+50C	+5V		TTL	TTL		PIC1670
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		PPS-4CPU(12660)
ROK	DIL-28/2	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		PPS-4/1(MM75)
ROK	QIL-42/1	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		PPS-4/1(MM76)
ROK	QIL-52/1	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		PPS-4/1(MM76C)
ROK	QIL-52/1	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		PPS-4/1(MM76D)
ROK	DIL-42/2	PMOS	0C/+70C	-15V	70TPMW	PMOS	PMOS		PPS-4/1(MM76E)
ROK	QIL-42/1	PMOS	0C/+70C	-15V	70MXMW	PMOS	PMOS		PPS-4/1(MM77)
ROK	QIL-42/1	PMOS	0C/+70C	-15V	70MXMW	PMOS	PMOS		PPS-4/1(MM78)
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		PPS4/2CPU-11660
ROK	QIL-42/1	PMOS	0C/+70C	-12V/+5V					PPS-8CPU(11806)
ROK	QIL-42/1	PMOS	0C/+70C	-12V/+5V		PMOS	PMOS		PPS8/2CPU-12806
ROK	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	D2114	R2114C
ROK	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	P2114	R2114P
ROK	DIL-24/2C	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	D2316A	R2316AC
ROK	DIL-24/2P	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	D2316A	R2316AP
ROK	DIL-24/2C	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	SYC2316B	R2316BC
ROK	DIL-24/2P	NMOS	0C/+70C	+5V	160MXMA	TTL	TTL/TS	SYP2316B	R2316BP
ROK	DIL-24/2C	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL/TS		R2332C
ROK	DIL-24/2P	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL/TS		R2332P
ROK	DIL-24/2C	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL/TS		R2332-3C
ROK	DIL-40/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6502A	R6502AC
ROK	DIL-40/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6502A	R6502AP
ROK	DIL-40/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6502	R6502C
ROK	DIL-40/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6502	R6502P
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6503A	R6503AC
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6503A	R6503AP
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6503	R6503C
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6503	R6503P
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6504A	R6504AC
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6504A	R6504AP
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6504	R6504C
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6504	R6504P
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6505A	R6505AC
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6505A	R6505AP
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6505	R6505C
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6505	R6505P
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6506A	R6506AC
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6506A	R6506AP
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6506	R6506C
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6506	R6506P
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS		R6507AC
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS		R6507AP
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS		R6507C
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS		R6507P
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6512	R6512C
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6512	R6512P
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6513	R6513C
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6513	R6513P
ROK	DIL-28/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6514	R6514C
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6514	R6514P
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6515	R6515C
ROK	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6515	R6515P
ROK	DIL-40/2C	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL/TS		R6520AC
ROK	DIL-40/2P	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL/TS		R6520AP
ROK	DIL-40/2C	NMOS	0C/+70C	+5V	500MXMA	TTL	TTL/TS	MCS6520	R6520C
ROK	DIL-40/2P	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL/TS	MCS6520	R6520P
ROK	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS		R6522AC
ROK	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS		R6522AP
ROK	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MCS6522	R6522C
ROK	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MCS6522	R6522P
ROK	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MCS6530	R6530C
ROK	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MCS6530	R6530P
ROK	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MCS6532	R6532C

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
R6532P	MEMIO	8-BIT	MEMORY, I-O, TIMER ARRAY/INC. 128X8 SRAM/FOR 6500 FAM. (APP. B)	6500
R6541AC	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY CONTROLLER/2MHZ	GEN. PURP.
R6541AP	KBDSC	8-BIT	PROGRAMMABLE LEYBOARD-DISPLAY CONTROLLER/2MHZ	GEN. PURP.
R6541C	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY CONTROLLER/1MHZ	GEN. PURP.
R6541P	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY CONTROLLER 1MHZ	GEN. PURP.
R6545AC	CRTC	8-BIT	CRT RASTER SCAN VIDEO DISPLAY CONTROLLER/2MHZ	6500
R6545AP	CRTC	8-BIT	CRT RASTER SCAN VIDEO DISPLAY CONTROLLER/2MHZ	6500
R6545C	CRTC	8-BIT	CRT RASTER SCAN VIDEO DISPLAY CONTROLLER/1MHZ	6500
R6545P	CRTC	8-BIT	CRT RASTER SCAN VIDEO DISPLAY CONTROLLER/1MHZ	6500
R6551AC	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATION INTERFACE ADAPTER/2MHZ	6500
R6551ACE	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATION INTERFACE ADAPTER/2MHZ	6500
R6551AP	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATION INTERFACE ADAPTER/2MHE	6500
R6551APE	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATION INTERFACE ADAPTER/2MHZ	6500
R6551C	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATION INTERFACE ADAPTER/1MHZ	6500
R6551CE	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATION INTERFACE ADAPTER/1MHZ	6500
R6551P	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATION INTERFACE ADAPTER/1MHZ	6500
R6551PE	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATION INTERFACE ADAPTER/1MHZ	6500
R29600DC	PROM	8-BIT	2K=256X8/TYP. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
R29600DM	PROM	8-BIT	2K=256X8/TYP. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
R29600FM	PROM	8-BIT	2K=256X8/TYP. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
R29601DC	PROM	8-BIT	2K=256X8/TYP. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
R29601DM	PROM	8-BIT	2K=256X8/TYP. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
R29601FM	PROM	8-BIT	2K=256X8/TYP. ACCESS 50NS/8 ADDRESS 2CE LINES	GEN. PURP.
R29660DC	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
R29660DM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
R29660FM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
R29661DC	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
R29661DM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
R29661FM	PROM	4-BIT	1K=256X4/MAX. ACCESS 80NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
R29690DC	FPLA	.	16 I-P, 8 O-P, 48 PROD. TERMS FIELD PROG. LOGIC ARRAY	GEN. PURP
R29690DM	FPLA	.	16 I-P, 8 O-P, 48 PROD. TERMS FIELD PROG. LOGIC ARRAY	GEN. PURP.
R29691DC	FPLA	.	16 I-P, 8 O-P, 48 PROD. TERMS FIELD PROG. LOGIC ARRAY	GEN. PURP.
R29691DM	FPLA	.	16 I-P, 8 O-P, 48 PROD. TERMS FIELD PROG. LOGIC ARRAY	GEN. PURP.
RA-3-4200	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 215NS/6X 6Y ICS ADDRESS LINES	GEN. PURP.
RA-3-4256	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 4Y 2CS ADDRESS LINES/POWER DOWN	GEN. PURP.
RA-3-4256A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 4Y 2CS ADDRESS LINES/POWER DOWN	GEN. PURP.
RA-3-4256B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 4Y 1CS ADDRESS LINES	GEN. PURP.
RA-3-4402	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y ICS ADDRESS LINES	GEN. PURP.
RC7000	PRTRC	4/8BIT	LRC PRINTER CONTROLLER	PPS4-8
RC7040	PRTRC	4/8BIT	LRC PRINTER CONTROLLER	PPS4-8
RO-3-2560	MROM	5-BIT	2.5K=512X5/MAX. ACCESS 450NS/9 ADDRESS LINES	GEN. PURP.
RO-3-4096	MROM	8-BIT	2K=512X8/MAX. ACCESS 500NS/9 ADDRESS LINES	GEN. PURP.
RO-3-5120	MROM	10-BIT	5K=512X10/MAX. ACCESS 500NS/9 ADDRESS LINES	GEN. PURP.
RO-3-8316A	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/11 ADDRESS 3CS LINES/D8316 PINOUTS	GEN. PURP.
RO-3-8316B	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES/D8316 PINOUTS	GEN. PURP.
RO-3-8316C	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES/D8316 PINOUTS	GEN. PURP.
RO-3-9316A	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/11 ADDRESS 3CS LINES/D2708 PINOUTS	GEN. PURP.
RO-3-9316B	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES/D2708 PINOUTS	GEN. PURP.
RO-3-9316C	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES/D2708 PINOUTS	GEN. PURP.
RO-3-9332A	MROM	8-BIT	32K=4096X8/MAX. ACCESS 850NS/12 ADDRESS 2CS LINES	GEN. PURP.
RO-3-9332B	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES	GEN. PURP.
RO-3-9332C	MROM	8-BIT	32K=4096X8/MAX. ACCESS 350NS/12 ADDRESS 2CS LINES	GEN. PURP.
RO-3-9364B	MROM	8-BIT	64K=8192X8/MAX. ACCESS 450NS	GEN. PURP.
RO-3-9500	MROM	10-BIT	20K=2048X10/ON-CHIP ADDR. LATCHES,BUS CONTR. LOGIC,5-BIT CHP SEL	GEN. PURP.
RO-3-9501	MROM	10-BIT	EQVT TO RO-3-9501 WITH ADDED OUTPUT LATCH TO CONTROL 1K EXT. RAM	GEN. PURP.
RO-3-9502	MROM	10-BIT	EQVT TO RO-3-9501 WITH ADDED O-P LATCH TO CONTROL 64K EXT. RAM	GEN. PURP.
RO-3-16384	MROM	4-BIT	16K=4096X4/MAX. ACCESS 1uS/12 ADDRESS 3CS LINES	GEN. PURP.
RO-3-20480	MROM	10-BIT	20K=2048X10/MAX. ACCESS 500NS/11 ADDRESS LINES	GEN. PURP.
RO-5-1302	MROM	8-BIT	2K=256X8/MAX. ACCESS 1.5uS/5X 3Y ADDRESS LINES	GEN. PURP.
RO-5-8192	MROM	4-BIT	8K=2048X4/MAX. ACCESS 1.6uS/DYNAMIC/6X 5Y ADDRESS 4CS LINES	GEN. PURP.
RO-6-1024/4	MROM	4-BIT	1K=256X4/MAX. ACCESS 1uS/6X 2Y ADDRESS LINES	GEN. PURP.
RO-6-1024/8	MROM	8-BIT	1K=128X8/MAX. ACCESS 1uS/5X 2Y ADDRESS LINES	GEN. PURP.
RO-6-2048/4	MROM	4-BIT	2K=512X4/MAX. ACCESS 1.5uS/6X 3Y ADDRESS LINES	GEN. PURP.
RO-6-2048/8	MROM	8-BIT	2K=256X8/MAX. ACCESS 1.5uS/5X 3Y ADDRESS LINES	GEN. PURP.
RO-7-1024/4	MROM	4-BIT	1K=256X4/MAX. ACCESS 1uS/6X 2Y ADDRESS LINES	GEN. PURP.
RO-7-1024/8	MROM	8-BIT	1K=128X8/MAX. ACCESS 1uS/5X 2Y ADDRESS LINES	GEN. PURP.
RO-7-2048/4	MROM	4-BIT	2K=512X4/MAX. ACCESS 1.5uS/6X 3Y ADDRESS LINES	GEN. PURP.
RO-7-2048/8	MROM	8-BIT	2K=256X8/MAX. ACCESS 1.5uS/5X 3Y ADDRESS LINES	GEN. PURP.
S54S89F	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
S54S189F	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
S54S200F	SRAM	1-BIT	256=256X1/MAX. ACCESS 70NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
S54S200W	SRAM	1-BIT	256=256X1/MAX. ACCESS 70NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
S54S201F	SRAM	1-BIT	256=256X1/MAX. ACCESS 85NS/8 ADDRESS 3CS LINES	GEN. PURP.
S54S201W	SRAM	1-BIT	256=256X1/MAX. ACCESS 85NS/8 ADDRESS 3CS LINES	GEN. PURP.
S54S301F	SRAM	1-BIT	256=256X1/MAX. ACCESS 85NS/8 ADDRESS 3CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
ROK	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MCS6532	R6532P
ROK	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL		R6541AC
ROK	DIL-40/2P	NMOS	0C/+70	+5V		TTL	TTL		R6541AP
ROK	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL		R6541C
ROK	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL		R6541P
ROK	DIL-40/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL	MC6845L	R6545AC
ROK	DIL-40/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL	MC6845P	R6545AP
ROK	DIL-40/2C	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL	MC6845L	R6545C
ROK	DIL-40/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL	MC6845P	R6545P
ROK	DIL-28/2C	NMOS	0C/+70C	+5V		TTL	TTL		R6551AC
ROK	DIL-28/2C	NMOS	-40C/+85C	+5V		TTL	TTL		R6551ACE
ROK	DIL-28/2P	NMOS	0C/+70C	+5V		TTL	TTL		R6551AP
ROK	DIL-28/2P	NMOS	-40C/+85C	+5V		TTL	TTL		R6551APE
ROK	DIL-28/2C	NMOS	0C/+70C	+5V		TTL	TTL		R6551C
ROK	DIL-28/2C	NMOS	-40C/+85C	+5V		TTL	TTL		R6551CE
ROK	DIL-28/2P	NMOS	0C/+70C	+5V		TTL	TTL		R6551P
ROK	DIL-28/2P	NMOS	-40C/+85C	+5V		TTL	TTL		R6551PE
RAY	DIL-20/1C	LSTB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		R29600DC
RAY	DIL-20/1C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		R29600DM
RAY	FLP-20/3C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		R29600FM
RAY	DIL-20/1C	LSTB	0C/+75C	+5V	130MXMA	TTL	TTL/TS		R29601DC
RAY	DIL-20/1C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		R29601DM
RAY	FLP-20/3C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		R29601FM
RAY	DIL-16/1C	LSTB	0C/+75C	+5V	130MXMA	TTL	TTL/OC		R29660DC
RAY	DIL-16/1C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		R29660DM
RAY	FLP-16/3C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		R29660DC
RAY	DIL-16/1C	LSTB	0C/+75C	+5V	130MXMA	TTL	TTL/TS		R29661DC
RAY	DIL-16/1C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		R29661DM
RAY	FLP-16/3C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		R29661FM
RAY	DIL-28/2C	LSTB	0C/+75C	+5V	120TPMA	TTL	TTL/OC		R29690DC
RAY	DIL-28/2C	LSTB	-55C/+125C	+5V	120TPMA	TTL	TTL/OC		R29690DM
RAY	DIL-28/2C	LSTB	0C/+75C	+5V	120TPMA	TTL	TTL/TS		R29691DC
RAY	DIL-28/2C	LSTB	-55C/+125C	+5V	120TPMA	TTL	TTL/TS		R29691DM
GEI	DIL-22/4-	NMOS	0C/+70C	-5V/+5V/+12V	450TPMW	TTL	TTL		RA-3-4200
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		RA-3-4256
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		RA-3-4256A
GEI	DIL-22/4-	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		RA-3-4256B
GEI	DIL-22/4-	NMOS	0C/+70C	-5V/+12V	400TPMW	TTL	TTL	EMM4402	RA-3-4402
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		RC7000
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		RC7040
GEI	DIL-18/1-	NMOS	0C/+70C	+5V	175MXMW	TTL	TTL-TS		RO-3-2560
GEI	DIL-22/4-	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL/TS		RO-3-4096
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL/TS	EA4000	RO-3-5120
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL/TS	D8316A	RO-3-8316A
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	S6831A	RO-3-8316B
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS		RO-3-8316C
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL/TS	D8316A	RO-3-9316A
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	S6831B	RO-3-9316B
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	95MXMA	TTL	TTL/TS	SY2316B	RO-3-9316A
GEI	DIL-24/2-	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS4732	RO-3-9332A
GEI	DIL-24/2-	NMOS	0C/+70C	+5V		TTL	TTL/TS	SY2332	RO-3-9332B
GEI	DIL-24/2-	NMOS	0C/+70C	+5V		TTL	TTL/TS	2633	RO-3-9332C
GEI	DIL-24/2-	NMOS	0C/+70C	+5V		TTL	TTL/TS	MK36000	RO-3-9364B
GEI	DIL-28/2-	NMOS	0C/+70C	+5V					RO-3-9500
GEI	DIL-40/2-	NMOS	0C/+70C	+5V					RO-3-9501
GEI	DIL-40/2-	NMOS	0C/+70C	+5V					RO-3-9502
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	250TPMW	TTL	TTL/TS		RO-3-16384
GEI	DIL-24/2-	NMOS	0C/+70C	+5V	250TPMW	TTL	TTL/TS		RO-3-20480
GEI	DIL-24/2	PMOS	0C/+70C	-12V/+5V		TTL	TTL/TS		RO-5-1302
GEI	DIL-24/2-	MNOS	0C/+70C	-12V/+5V	400MXMW	TTL	TTL	S8865	RO-5-8192
GEI	DIL-16/1C	PMOS	-55C/+125C	-12V/+5V		TTL	TTL/TS		RO-6-1024/4
GEI	DIL-24/2C	PMOS	-55C/+125C	-12V/+5V		TTL	TTL/TS		RO-6-1024/8
GEI	DIL-24/2C	PMOS	-55C/+125C	-12V/+5V		TTL	TTL/TS		RO-6-2048/4
GEI	DIL-24/2C	PMOS	-55C/+125C	-12V/+5V		TTL	TTL/TS		RO-6-2048/8
GEI	DIL-16/1P	PMOS	0C/+70C	-12V/+5V		TTL	TTL/TS		RO-7-1024/4
GEI	DIL-24/2P	PMOS	0C/+70C	-12V/+5V		TTL	TTL/TS		RO-7-1024/8
GEI	DIL-24/2P	PMOS	0C/+70C	-12V/+5V		TTL	TTL/TS		RO-7-2048/4
GEI	DIL-24/2P	PMOS	0C/+70C	-12V/+5V		TTL	TTL/TS		RO-7-2048/8
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC		S54S89F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS	SN74S189J	S54S189F
PHI	DIL-16/1P	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	DM54S200W	S54S200F
PHI	FLP-16/3C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	DM54S200W	S54S200W
PHI	DIL-16/1P	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	SN54S201J	S54S201F
PHI	FLP-16/3C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	SN54S201W	S54S201W
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/OC	SN54S301J	S54S301F

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
S54S301W	SRAM	1-BIT	256=256X1/MAX. ACCESS 85NS/8 ADDRESS 3CS LINES	GEN. PURP.
S68A00C	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./1.5MHZ CLOCK	6800
S68A00P	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./1.5MHZ CLOCK	6800
S68A10C	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 6800	68A00
S68A10P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 6800	68A00
S68A21C	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	68A00
S68A21P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	68A00
S68A50C	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/6800 FAM.	68A00
S68A50P	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/6800 FAM.	68A00
S68B00C	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./2MHZ CLOCK	6800
S68B00P	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM./2MHZ CLOCK	6800
S68B10C	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	68B00
S68B10P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	68B00
S68B21C	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	68B00
S68B21P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	68B00
S68B50C	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/6800 FAM.	68B00
S68B50P	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/6800 FAM.	68B00
S82S09I	SRAM	9-BIT	576=64X9/MAX. ACCESS 50NS/6 ADDRESS 1CE LINES	2650
S82S10F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/10 ADDRESS 1CE LINES	2650
S82S10I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/10 ADDRESS 1CE LINES	2650
S82S11F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/10 ADDRESS 1CE LINES	2650
S82S11I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/10 ADDRESS 1CE LINES	2650
S82S16F	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y ADDRESS 3CE LINES	GEN. PURP.
S82S17F	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y ADDRESS 3CE LINES	GEN. PURP.
S82S23F	PROM	8-BIT	256=32X8/MAX. ACCESS 65NS/5 ADDRESS 1CE LINES	2650
S82S25F	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
S82S100I	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 60NS	2650
S82S101I	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	2650
S82S102I	FPGA	9-BIT	144=16X9/MAX. ACCESS 30NS	GEN. PURP.
S82S103I	FPGA	9-BIT	144=16X9/MAX. ACCESS 30NS	GEN. PURP.
S82S106I	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
S82S107I	FPLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
S82S114F	PROM	8-BIT	2K=256X8/MAX. ACCESS 75NS/8 ADDRESS 2CE LINES	2650
S82S114I	PROM	8-BIT	2K=256X8/MAX. ACCESS 75NS/8 ADDRESS 2CE LINES	2650
S82S115F	PROM	8-BIT	4K=512X8/MAX. ACCESS 75NS/9 ADDRESS 2CE LINES	2650
S82S115I	PROM	8-BIT	4K=512X8/MAX. ACCESS 75NS/9 ADDRESS 2CE LINES	2650
S82S123F	PROM	8-BIT	256=32X8/MAX. ACCESS 65NS/5 ADDRESS 1CE LINES	2650
S82S126F	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/8 ADDRESS 2CE LINES	2650
S82S129F	PROM	4-BIT	1K=256X4/MAX. ACCESS 70NS/8 ADDRESS 2CE LINES	2650
S82S130F	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1CE LINES	2650
S82S131F	PROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1CE LINES	2650
S82S136F	PROM	4-BIT	4K=1024X4/MAX. ACCESS 75NS/10 ADDRESS 1CE LINES	GEN. PURP.
S82S137F	PROM	4-BIT	4K=1024X4/MAX. ACCESS 75NS/10 ADDRESS 1CE LINES	GEN. PURP.
S82S140F	PROM	8-BIT	4K=512X8/MAX. ACCESS 75NS/9 ADDRESS 4CE LINES	GEN. PURP.
S82S140I	PROM	8-BIT	4K=512X8/MAX. ACCESS 75NS/9 ADDRESS 4CE LINES	GEN. PURP.
S82S141F	PROM	8-BIT	4K=512X8/MAX. ACCESS 75NS/9 ADDRESS 4CE LINES	GEN. PURP.
S82S141I	PROM	8-BIT	4K=512X8/MAX. ACCESS 75NS/9 ADDRESS 4CE LINES	GEN. PURP.
S82S180I	PROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 4CE LINES	GEN. PURP.
S82S181I	PROM	8-BIT	8K=1024X8/MAX. ACCESS 100NS/10 ADDRESS 4CE LINES	GEN. PURP.
S82S184F	PROM	4-BIT	8K=1024X4/MAX. ACCESS 175NS/11 ADDRESS 1CE LINES	GEN. PURP.
S82S184I	PROM	4-BIT	8K=1024X4/MAX. ACCESS 175NS/11 ADDRESS 1CE LINES	GEN. PURP.
S82S185F	PROM	4-BIT	8K=2048X4/MAX. ACCESS 175NS/11 ADDRESS 1CE LINES	GEN. PURP.
S82S185I	PROM	4-BIT	8K=2048X4/MAX. ACCESS 175NS/11 ADDRESS 1CE LINES	GEN. PURP.
S82S200I	PLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
S82S201I	PLA	8-BIT	6144=16X48X8/MAX. ACCESS 50NS	GEN. PURP.
S82S214F	MROM	8-BIT	2K=256X8/MAX. ACCESS 90NS/8 ADDRESS 2CE LINES	2650
S82S214I	MROM	8-BIT	2K=256X8/MAX. ACCESS 90NS/8 ADDRESS 2CE LINES	2650
S82S215F	MROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 2CE LINES	2650
S82S215I	MROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 2CE LINES	2650
S82S226F	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	GEN. PURP.
S82S229F	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2CE LINES	GEN. PURP.
S82S230F	MROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/9 ADDRESS 2CE LINES	GEN. PURP.
S82S231F	MROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/9 ADDRESS 2CE LINES	GEN. PURP.
S82S280I	MROM	8-BIT	8K=1024X8/MAX. ACCESS 80NS/10 ADDRESS 4CE LINES	GEN. PURP.
S82S281I	MROM	8-BIT	8K=1024X8/MAX. ACCESS 80NS/10 ADDRESS 4CE LINES	GEN. PURP.
S82S2708F	PROM	8-BIT	8K=1024X8/MAX. ACCESS 70NS/10 ADDRESS 1CE LINES	GEN. PURP.
S146C	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 210NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
S146P	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 210NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
S1103A-1C	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 145NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
S1103A-1P	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 145NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
S1103A-2C	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 145NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
S1103A-2P	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 145NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
S1103AC	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 205NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
S1103AP	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 205NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
S1103A-XP	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 125NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
PHI	FLP-16/3C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/OC	SN54S301W	S54S301W
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL/TS	MC68A00L	S68A00C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL/TS	MC68A00L	S68A00P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM68A10L	S68A10C
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM68A10P	S68A10P
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68A21L	S68A21C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68A21P	S68A21P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68A50L	S68A50C
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68A50P	S68A50P
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL/TS	MC68B00L	S68B00C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL/TS	MC68B00L	S68B00P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM68B10L	S68B10C
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM68B10P	S68B10P
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68B21L	S68B21C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68B21P	S68B21P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68B50L	S68B50C
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68B50P	S68B50P
PHI	DIL-28/2M	STLB	-55C/+125C	+5V	190MXMA	TTL	TTL/OC		S82S09I
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC	S82S10I	S82S10F
PHI	DIL-16/1M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC	S82S10F	S82S10I
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC	S82S11I	S82S11F
PHI	DIL-16/1M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC	S82S11F	S82S11I
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	115MXMA	TTL	TTL/TS		S82S16F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	115MXMA	TTL	TTL/OC		S82S17F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	115MXMA	TTL	TTL/OC		S82S23F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC		S82S25F
PHI	DIL-28/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS	MC82S100LM	S82S100I
PHI	DIL-28/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC	MC82101LM	S82S101I
PHI	DIL-28/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		S82S102I
PHI	DIL-28/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		S82S103I
PHI	DIL-28/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		S82S106I
PHI	DIL-28/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		S82S107I
PHI	DIL-24/2C	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS	82S114I	S82S114F
PHI	DIL-24/2M	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS	S82S114F	S82S114I
PHI	DIL-24/2C	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS	S82S115I	S82S115F
PHI	DIL-24/2C	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS	S82S115F	S82S115I
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	115MXMA	TTL	TTL/TS		S82S123F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/OC		N82S126F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS		S82S129F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/OC		S82S130F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/TS		S82S131F
PHI	DIL-18/1C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/OC		S82S136F
PHI	DIL-18/1C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTS/TS		S82S137F
PHI	DIL-24/2C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC	S82S140I	S82S140F
PHI	DIL-24/2M	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC	S82S140F	S82S140I
PHI	DIL-24/2C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS	S82S141I	S82S141F
PHI	DIL-24/2M	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS	S82S141F	S82S141I
PHI	DIL-24/2M	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/OC		S82S180I
PHI	DIL-24/2M	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/TS		S82S181I
PHI	DIL-18/1C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/OC	S82S184I	S82S184F
PHI	DIL-18/1M	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/OC	S82S184F	S82S184I
PHI	DIL/18/1C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	S82S185I	S82S185F
PHI	DIL-18/1M	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	S82S185F	S82S185I
PHI	DIL-28/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		S82S200I
PHI	DIL-28/2M	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		S82S201I
PHI	DIL-24/2C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS	S82S214I	S82S214F
PHI	DIL-24/2M	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS	S82S214F	S82S214I
PHI	DIL-24/2C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS	S82S215I	S82S215F
PHI	DIL-24/2M	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS	S82S215F	S82S215I
PHI	DIL-16/1C		-55C/+125C	+5V	120MXMA	TTL	TTL/OC		S82S226F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS		S82S229F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	135MXMA	TTL	TTL/OC		S82S230F
PHI	DIL-16/1C	STLB	-55C/+125C	+5V	135MXMA	TTL	TTL/TS		S82S231F
PHI	DIL-24/2M	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/OC		S82S280I
PHI	DIL-24/2M	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/TS		S82S281I
PHI	DIL-24/2C	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/TS	MC2708	S82S2708F
AMI	DIL-18/1C	PMOS	0C/+55C	+19V/+22.5V	33MXMA	+1/+18V	+80/85MV	C1103-146	S146C
AMI	DIL-18/1P	PMOS	0C/+55C	+19V/+22.5V	33MXMA	+1/+18V	+80/85MV	P1103-146	S146P
AMI	DIL-18/1C	PMOS	0C/+55C	+16V/+19.5V	33MXMA	MOS	SENSE AMP	C1103A-1	S1103A-1C
AMI	DIL-18/1P	PMOS	0C/+55C	+19V/+22.5V	33MXMA	MOS	SENSE AMP	P1103A-1	S1103A-1P
AMI	DIL-18/1C	PMOS	0C/+55C	+19V/+22.5V	33MXMA	MOS	SENSE AMP	C1103A-2	S1103A-2C
AMI	DIL-18/1P	PMOS	0C/+55C	+16V/+19.5V	33MXMA	MOS	SENSE AMP	P1103A-2	S1103A-2P
AMI	DIL-18/1C	PMOS	0C/+70C	+16V/+19.5V	25MXMA	MOS	SENSE AMP	P1103A	S1103AC
AMI	DIL-18/1P	PMOS	0C/+70C	+16V/+19.5V	25MXMA	MOS	SENSE AMP	P1103A	S1103AP
AMI	DIL-18/1P	PMOS	0C/+55C	+19V/+22.5V	33MXMA	MOS	SENSE AMP		S1103A-XP

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
S1103C	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 310NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
S1103P	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 310NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
S1103XP	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 120NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
S1103XC	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 125NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
S1103-1C	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 180NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
S1103-1P	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 180NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
S1757C	UART	5-8BIT	ASYNCHRONOUS RECEIVER-TRANSMITTER /UP TO 160KHZ	GEN. PURP.
S1757P	UART	5-8BIT	ASYNCHRONOUS RECEIVER-TRANSMITTER /UP TO 160KHZ	GEN. PURP.
S1883AC	UART	5-8BIT	ASYNCH. RECEIVER TRANSMITTER/IMPROVED S1883C	GEN. PURP.
S1883AP	UART	5-8BIT	ASYNCH. RECEIVER TRANSMITTER/IMPROVED S1883P	GEN. PURP.
S1883C	UART	5-8BIT	ASYNCHRONOUS RECEIVER TRANSMITTER /UP TO 200KHZ	GEN. PURP.
S1883P	UART	5-8BIT	ASYNCHRONOUS RECEIVER-TRANSMITTER /UP TO 200KHZ	GEN. PURP.
S2000AC	MICMP	4-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/64X4 RAM/TIMER/VAC. FLUORESC DRVRS	S2000
S2000AP	MICMP	4-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/64X4 RAM/TIMER/VAC. FLUORESC DRVRS	S2000
S2000C	MICMP	4-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/64X4 RAM/TIMER/7-SEGMT. LED DRIVRS	S2000
S2000P	MICMP	4-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/64X4 RAM/TIMER/7-SEG. LED DRIVERS	S2000
S2114A-1C	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	8080
S2114A-1P	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	8080
S2114A-2C	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
S2114A-2P	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
S2114A-3C	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
S2114A-3P	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
S2114AP	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
S2114AC	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
S2114HC	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 70NS/6X 4Y 1CS ADDRESS LINES	8080
S2114HP	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 70NS/6X 4Y 1CS ADDRESS LINES	8080
S2114L-1C	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	8080
S2114L-1P	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	8080
S2114L-2C	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
S2114L-2P	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
S2114L-3C	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
S2114L-3P	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
S2114-1C	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	8080
S2114-1P	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	8080
S2114-2C	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
S2114-2P	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
S2114-3C	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
S2114-3P	SRAM	4-BIT	4K=1024X8/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
S2147C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
S2147-3C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
S2222AC	SRAM	1-BIT	512=512X1/MAX. ACCESS 700NS/5X 4Y ADDRESS 1CE LINES/3.5V STANDBY	GEN. PURP.
S2222AP	SRAM	1-BIT	512=512X1/MAX. ACCESS 700NS/5X 4Y ADDRESS 1CE LINES 3.5V STANDBY	GEN. PURP.
S2222C	SRAM	1-BIT	512=512X1/MAX. ACCESS 350NS/5X 4Y ADDRESS 1CE LINES/3.5V STANDBY	GEN. PURP.
S2222P	SRAM	1-BIT	512=512X1/MAX. ACCESS 350NS/5X 4Y ADDRESS 1CE LINES/3.5V STANDBY	GEN. PURP.
S2299P	KBENC	4-BIT	KEYBOARD BUFFER FOR 9209 FAMILY	9209
S2350C	USRT	5-8BIT	UNIVERSAL SYNCH. RECVR. TRNSMTTR. /500KHZ MAX. CLOCK	GEN. PURP.
S2350P	USRT	5-8BIT	UNIVERSAL SYNCH. RECVR. TRNSMTTR. /500KHZ MAX. CLOCK	GEN. PURP.
S2716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 250NS/8X 3Y 1CS ADDR. LINES/132MXMW STDBY	GEN. PURP.
S3001I	MCU	2-BIT	MICROPROGRAM CONTROL UNIT FOR 3000 2-BIT-SLICE FAMILY/95NS CYCLE	3000
S3002I	CPEBS	2-BIT	CENTRAL PROCESSING ELEMENT OF 3000 2-BIT SLICE FAM./120NS CLOCK	3000
S3101AF	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CS LINES	GEN. PURP.
S3514C	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/9 ADDRESS 4CS LINES	GEN. PURP.
S3514P	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS/9 ADDRESS 4CS LINES	GEN. PURP.
S4006LC	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES/50MW STANDBY	GEN. PURP.
S4006-2H	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES/QUASI STATIC	GEN. PURP.
S4006-4H	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES/QUASI STATIC	GEN. PURP.
S4008C	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES/QUASI STATIC	GEN. PURP.
S4008LC	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y 1CE ADDRESS LINES/50MW STANDBY	GEN. PURP.
S4008-9C	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 800NS/5X 5Y 1CE ADDRESS LINES/QUASI STATIC	GEN. PURP.
S4015-2C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-2E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-2P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-3C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-3E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-3P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-4C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-4E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-4P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-5C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-5E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4015-5P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4016-1C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	8080
S4016-1P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	8080
S4016-2C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
S4016-2P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
AMI	DIL-18/1C	PMOS	0C/+70C	+16V/+19.5V	25MXMA	MOS	SENSE AMP	D1103	S1103C
AMI	DIL-18/1P	PMOS	0C/+70C	+16V/+19.5V	25MXMA	MOS	SENSE AMP	P1103-1	S1103P
AMI	DIL-18/1P	PMOS	0C/+55C	+19V/+22.5V	33MXMA	MOS	SENSE AMP		S1103XP
AMI	DIL-18/1C	PMOS	0C/+55C	+19V/+22.5V	33MXMA	MOS	SENSE AMP		S1103XC
AMI	DIL-18/1C	PMOS	0C/+55C	+19V/+22.5V	33MXMA	MOS	SENSE AMP	P1103-1	S1103-1C
AMI	DIL-18/1P	PMOS	0C/+55C	+19V/+22.5V	33MXMA	MOS	SENSE AMP	P1103-1	S1103-1P
AMI	DIL-40/2C	PMOS	0C/+70C	+12V/-5V/+5V		MOS	MOS		S1757C
AMI	DIL-40/2P	PMOS	0C/+70C	+12V/-5V/+5V		MOS	MOS		S1757P
AMI	DIL-40/2C	PMOS	0C/+70C	-12V/-5V/+5V		TTL	TTL/TS		S1883AC
AMI	DIL-40/2C	PMOS	0C/+70C	-12V/-5V/+5V		TTL	TTL/TS		S1883AP
AMI	DIL-40/2C	PMOS	0C/+70C	-12V/-5V/+5V		TTL	TTL/TS		S1883C
AMI	DIL-40/2P	PMOS	0C/+70C	-12V/-5V/+5V		TTL	TTL/TS		S1883P
AMI	DIL-40/2C	NMOS	0C/+70C	+9V	50MXMA	TTL	TTL		S2000AC
AMI	DIL-40/2P	NMOS	0C/+70C	+9V	50MXMA	TTL	TTL		S2000AP
AMI	DIL-40/2C	NMOS	0C/+70C	+9V	50MXMA	TTL	TTL		S2000C
AMI	DIL-40/2P	NMOS	0C/+70C	+9V	50MXMA	TTL	TTL		S2000P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	265MXMW	TTL	TTL/TS		S2114A-1C
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	265MXMW	TTL	TTL/TS		S2114A-1P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	265MXMW	TTL	TTL/TS		S2114A-2C
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	265MXMW	TTL	TTL/TS		S2114A-2P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	265MXMW	TTL	TTL/TS		S2114A-3C
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	265MXMW	TTL	TTL/TS		S2114A-3P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	265MXMW	TTL	TTL/TS		S2114AP
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	265MXMW	TTL	TTL/TS		S2114AC
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	790MXMW	TTL	TTL/TS		S2114HC
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	790MXMW	TTL	TTL/TS		S2114HP
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS		S2114L-1C
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS		S2114L-1P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2114L2	S2114L-2C
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	P2114L2	S2114L-2P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2114L3	S2114L-3C
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	P2114L3	S2114L-3P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS		S2114-1C
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS		S2114-1P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2114-2	S2114-2C
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	P2114-2	S2114-2P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2114-3	S2114-3C
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	P2114-3	S2114-3P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	945MXMW	TTL	TTL/TS	D2147	S2147C
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	945MXMW	TTL	TTL/TS	D2147-3	S2147-3C
AMI	DIL-16/1C	CMOS	0C/+70C	+10V	2.5TPMA	+0.6/+9.4V	+.45/+4V	S2222C	S2222AC
AMI	DIL-16/1P	CMOS	0C/+70C	+10V	2.5TPMA	+0.6/+9.4V	+.45/+4V	S2222P	S2222AP
AMI	DIL-16/1C	CMOS	0C/+70C	+10V	2.5TPMA	+0.6/+9.4V	+.45/+4V		S2222C
AMI	DIL-16/1P	CMOS	0C/+70C	+10V	2.5TPMA	+0.6/+9.5V	+.45/+4V		S2222P
AMI	DIL-40/2P	PMOS	0C/+70C	-15V		NMOS	NMOS		S2299P
AMI	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL		S2350C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL		S2350P
AMI	DIL-24/2Q	NMOS	0C/+70C	+5V	560MXMW	TTL	TTL	D2716	S2716
SIG	DIL-40/2C	STLB	-55C/+125C	+5V	240MXMA	TTL	/TS+OC	D3001	S3001I
SIG	DIL-28/2C	STLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS	D3002	S3002I
SIG	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	CM3101A	S3101AF
AMI	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	500MXMW	TTL	TTL/TS	AM35142DC	S3514C
AMI	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	500MXMW	TTL	TTL/TS	AM35142DC	S3514P
AMI	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	32MXMA	TTL	TTL	MK4006P-6	S4006LC
AMI	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	32MXMA	TTL	TTL	MK4006P-6	S4006-2H
AMI	DIL-16/1M	PMOS	0C/+70C	-12V/+5V	32MXMA	TTL	TTL	MK4006P-6	S4006-4H
AMI	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	32MXMA	TTL	TTL	MK4008P-6	S4008C
AMI	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	32MXMA	TTL	TTL	MK4006P-6	S4008LC
AMI	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	32MXMA	TTL	TTL	MK4008P-6	S4008-9C
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/OC		S4015-2C
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/OC		S4015-2E
AMI	DIL-16/1P	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/OC		S4015-2P
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/OC		S4015-3C
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/OC		S4015-3E
AMI	DIL-16/1P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/OC		S4015-3P
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/OC		S4015-4C
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/OC		S4015-4E
AMI	DIL-16/1P	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/OC		S4015-4P
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL/OC		S4015-5C
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL/OC		S4015-5E
AMI	DIL-16/1P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL/OC		S4015-5P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	S2114-1C	S4016-1C
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	S2114-1P	S4016-1P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	S2114-2C	S4016-2C
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	S2114-2P	S4016-2P

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
S4016-3C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
S4016-3P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
S4017C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/ 6X 6Y 1CS ADDRESS LINES	GEN. PURP.
S4017-3C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/ 6X 6Y 1CS ADDRESS LINES	GEN. PURP.
S4019C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
S4019-3C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
S4025-2C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-2E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-2P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-3C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-3E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-3P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-4C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-4E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-4P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-5C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-5E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4025-5P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 35NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
S4028C	SRAM	8-BIT	16K=2048X8/MAX. ACCESS 200NS	GEN. PURP.
S4216B	MROM	8-BIT	16K=2048X8/MAX. ACCESS 250NS/11 ADDRESS 3CS LINES/D2716 PINOUT	GEN. PURP.
S4216D	MROM	8-BIT	16K=2048X8/MAX. ACCESS 250NS/11 ADDRESS 3CS LINES/MMI6276 PINOUT	GEN. PURP.
S4264C	MROM	8-BIT	64K=8192X8/MAX. ACCESS 350NS/8X 5Y 1CS ADDRESS LINES/2732 PINOUT	GEN. PURP.
S4532	EPROM	8-BIT	32K=4096X8/MAX. ACCESS 250NS/7X 5Y ADDRESS LINES	GEN. PURP.
S4716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 250NS/7X 4Y 1CS ADDRESS LINES/132MW STDBY	GEN. PURP.
S5101L-1C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	6800
S5101L-1P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	6800
S5101L-2C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	6800
S5101L-2P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	6800
S5101L-3C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/74MXuW STDBY	GEN. PURP.
S5101L-3P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/74MXuW STDBY	GEN. PURP.
S5101L-8C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/74MXuW STDBY	GEN. PURP.
S5101L-8P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/74MXuW STDBY	GEN. PURP.
S5101LC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/55MXuW STDBY	GEN. PURP.
S5101LP	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/55MXuW STDBY	GEN. PURP.
S5101-1C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	6800
S5101/1-1C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	6800
S5101/1-2C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	6800
S5101-2C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	6800
S5101/2-1C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	6800
S5101/2-2C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	6800
S5101/3-1C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	6800
S5101/3-2C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	6800
S5101-8C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/2.7MXMW STDBY	GEN. PURP.
S5101-8P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES/2.7MXMW STDBY	GEN. PURP.
S5101/8-1C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES	6800
S5101/8-2C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES	6800
S5204A	EPROM	8-BIT	4K=512X8/MAX. ACCESS 750NS/6X 3Y 2CS ADDRESS LINES	GEN. PURP.
S5232C	MROM	4-8BIT	4K=1024X4,512X8/MAX. ACCESS 1uS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
S5232P	MROM	4-8BIT	4K=1024X4,512X8/MAX. ACCESS 1uS/6X 4Y 4CS ADDRESS LINES	GEN. PURP.
S6508A-1C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 275NS/5X 5Y 1CS ADDR. LINES/1.1MXMW STNDBY	GEN. PURP.
S6508A-1P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 275NS/5X 5Y 1CS ADDR. LINES/1.1MXMW STNDBY	GEN. PURP.
S6508AC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDR. LINES/5.5MXuW STDBY	GEN. PURP.
S6508AP	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDR. LINES/550MXuW STDBY	GEN. PURP.
S6508C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDR. LINES/550MXuW STDBY	GEN. PURP.
S6508P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDR. LINES/550MXuW STDBY	GEN. PURP.
S6508-1C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDR. LINES/55MXuW STNDBY	GEN. PURP.
S6508-1P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDR. LINES/55MXuW STNDBY	GEN. PURP.
S6518A-1C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 275NS/5X 5Y 1CS ADDR. LINES/1.1MXMW STNDBY	GEN. PURP.
S6518A-1P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 275NS/5X 5Y 1CS ADDR. LINES/1.1MXMW STNDBY	GEN. PURP.
S6518AC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDR. LINES/5.5MXuW STNDBY	GEN. PURP.
S6518AP	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDR. LINES/550MXuW STNDBY	GEN. PURP.
S6518C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDR. LINES/550MXuW STNDBY	GEN. PURP.
S6518P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 460NS/5X 5Y 1CS ADDR. LINES/550MXuW STNDBY	GEN. PURP.
S6518-1C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDR. LINES/55MXuW STANDBY	GEN. PURP.
S6518-1P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDR. LINES/55MXuW STANDBY	GEN. PURP.
S6605A-1C	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/5X 7Y ADDRESS 1CE LINES	GEN. PURP.
S6605A-2C	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/5X 7Y ADDRESS 1CE LINES	GEN. PURP.
S6605B-1C	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 600NS/5X 7Y ADDRESS 1CE LINES	GEN. PURP.
S6605B-2C	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 600NS/5X 7Y ADDRESS 1CE LINES	GEN. PURP.
S6605-1C	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 210NS/5X 7Y ADDRESS 1CE LINES	GEN. PURP.
S6605-2C	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 210NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
S6800C	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)	6800
S6800IC	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)	6800
S6800IP	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)	6800
S6800P	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/1MHZ CLCK	6800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	S2114-3C	S4016-3C
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	S2114-3P	S4016-3P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS		S4017C
AMI	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS		S4017-3C
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	945MXMW	TTL	TTL/TS	S2147C	S4019C
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	945MXMW	TTL	TTL/TS	S2147-3C	S4019-3C
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/TS		S4025-2C
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/TS		S4025-2E
AMI	DIL-16/1P	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/TS		S4025-2P
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		S4025-3C
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		S4025-3E
AMI	DIL-16/1P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		S4025-3P
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/TS		S4025-4C
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/TS		S4025-4E
AMI	DIL-16/1P	NMOS	0C/+70C	+5V	125MXMA	TTL	TTL/TS		S4025-4P
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL/TS		S4025-5C
AMI	DIL-16/1C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL/TS		S4025-5E
AMI	DIL-16/1P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL/TS		S4025-5P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL		S4028C
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	420MXMW	TTL	TTL/TS		S4216B
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	420MXMW	TTL	TTL/TS		S4216D
AMI	DIL-28/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS	D2364A	S4264C
AMI	DIL-24/2Q	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL		S4532
AMI	DIL-24/2Q	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL	D2716-1	S4716
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	B5101L-2	S5101L-1C
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	P5101L-2	S5101L-1P
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	B5101L-2	S5101L-2C
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	P5101L-2	S5101L-2P
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	115MXMW	TTL	TTL/TS		S5101L-3C
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	115MXMW	TTL	TTL/TS		S5101L-3P
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	115MXMW	TTL	TTL/TS		S5101L-8C
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	115MXMW	TTL	TTL/TS		S5101L-8P
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	115MXMW	TTL	TTL/TS		S5101LC
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	115MXMW	TTL	TTL/TS		S5101LP
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	SYP5101	S5101-1C
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	P5101-1	S5101/1-1C
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	B5101-1	S5101/1-2C
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS		S5101-2C
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	P5101-1	S5101/2-1C
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	B5101-1	S5101/2-2C
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS		S5101/3-1C
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS		S5101/3-2C
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	115MXMW	TTL	TTL/TS		S5101-8C
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	115MXMW	TTL	TTL/TS		S5101-8P
AMI	DIL-22/4P	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	P5101-8	S5101/8-1C
AMI	DIL-22/4C	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS	B5101-8	S5101/8-2C
AMI	DIL-24/2Q	PMOS	0C/+70C	-12V/+5V	790MXMW	TTL	TTL/TS		S5204A
AMI	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	28MXMA	TTL	TTL/TS	MM5232J	S5232C
AMI	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	28MXMA	TTL	TTL/TS	MM5232N	S5232P
AMI	DIL-16/1C	CMOS	0C/+70C	+4V TO +11V	10MXMW	TTL	TTL/TS	IM6508A-1ID	S6508A-1C
AMI	DIL-16/1P	CMOS	0C/+70C	+4V TO +11V	10MXMW	TTL	TTL/TS	IM6508A-1ID	S6508A-1P
AMI	DIL-16/1C	CMOS	0C/+70C	+4V TO +11V	10MXMW	TTL	TTL/TS	IM6508CJ	S6508AC
AMI	DIL-16/1P	CMOS	0C/+70C	+4V TO +11V	10MXMW	TTL	TTL/TS	IM6508AID	S6508AP
AMI	DIL-16/1C	CMOS	0C/+70C	+5V	11MXMW	TTL	TTL/TS	IM6508A-1ID	S6508C
AMI	DIL-16/1P	CMOS	0C/+70C	+5V	11MXMW	TTL	TTL/TS	IM6508CJ	S6508P
AMI	DIL-16/1C	CMOS	0C/+70C	+5V	11MXMW	TTL	TTL/TS	IM6508-1ID	S6508-1C
AMI	DIL-16/1P	CMOS	0C/+70C	+5V	11MXMW	TTL	TTL/TS	IM6508-1ID	S6508-1P
AMI	DIL-18/1C	CMOS	0C/+70C	+4V TO +11V	10MXMW	TTL	TTL/TS	IM6518A-1ID	S6518A-1C
AMI	DIL-18/1P	CMOS	0C/+70C	+4V TO +11V	10MXMW	TTL	TTL/TS	IM6518A-1ID	S6518A-1P
AMI	DIL-18/1C	CMOS	0C/+70C	+4V TO +11V	10MXMW	TTL	TTL/TS	IM6518AID	S6518AC
AMI	DIL-18/1P	CMOS	0C/+70C	+4V TO +11V	10MXMW	TTL	TTL/TS	IM6518AID	S6518AP
AMI	DIL-18/1C	CMOS	0C/+70C	+5V	11MXMW	CMOS	CMOS/TS	IM6518CJ	S6518C
AMI	DIL-18/1P	CMOS	0C/+70C	+5V	11MXMW	TTL	TTL/TS	IM6518CJ	S6518P
AMI	DIL-18/1C	CMOS	0C/+70C	+5V	11MXMW	TTL	TTL/TS	IM6518-1ID	S6518-1C
AMI	DIL-18/1P	CMOS	0C/+70C	+5V	11MXMW	TTL	TTL/TS	IM6518-1ID	S6518-1P
AMI	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	MCM6605AP	S6605A-1C
AMI	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	MCM6605AP	S6605A-2C
AMI	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	MCM6605AL	S6605B-1C
AMI	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	MCM6605AL	S6605B-2C
AMI	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	MCM6605AP1	S6605-1C
AMI	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	36MXMA	TTL	TTL/TS	MCM6605AP1	S6605-2C
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL/TS	F6800L	S6800C
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL/TS	F6800	S6800IC
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL/TS	MC6800P	S6800IP
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL/TS	MC6800L	S6800P

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
S6802C	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHIP SYSTM	6802
S6802P	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHIP SYSTM	6802
S6810A-1C	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	68B00
S6810A-1P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	68B00
S6810AC	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/FOR 1.5MHZ 6800	68A00
S6810AP	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 6800	68A00
S6810C	SRAM	8-BIT	1K=128X8/MAX. ACCESS 1uS/7 ADDRESS 6CE LINES	6800
S6810P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 1uS/7 ADDRESS 6CE LINES	6800
S6810-1C	SRAM	8-BIT	1K=128X8/MAX. ACCESS 575NS/7 ADDRESS 6CE LINES	6800
S6810-1P	SRAM	8-BIT	1K=128X8/MAX. ACCESS 575NS/7 ADDRESS 6CE LINES	6800
S6820C	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAMILY (APP. B)	6800
S6820IC	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAMILY (APP. B)	6800
S6820IP	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAMILY (APP. B)	6800
S6820P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAMILY (APP. B)	6800
S6821C	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
S6821P	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/6820 + 2TTL FANOUTS AND STATIC OPN.	6800
S6830C	MROM	8-BIT	8K=1024X8/MAX. ACCESS 575NS/10 ADDRESS 4CE LINES	6800
S6830P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 575NS/10 ADDRESS 4CE LINES	6800
S6831AC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/PIN COMPATIBLE WITH D2316A/8316A	6800
S6831AP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/PIN COMPATIBLE WITH D2316A/8316A	6800
S6831BC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/PIN COMPATIBLE WITH D2316B/MC68317	6800
S6831BP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/PIN COMPATIBLE WITH D2316B/MC68317	6800
S6831C	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/PIN COMPATIBLE WITH S6830C	6800
S6831CC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/PIN COMPATIBLE WITH EA4600	6800
S6831CP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/PIN COMPATIBLE WITH EA4600	6800
S6831P	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/PIN COMPATIBLE WITH S6830P	6800
S6831-1	MROM	8-BIT	16K=2048X8/VMOS/	
S6834C	EPROM	8-BIT	4K=512X8/MAX. ACCESS 575NS/6X 3Y 2CS ADDRESS LINES	6800
S6834-1C	EPROM	8-BIT	4K=512X8/MAX. ACCESS 750NS/6X 3Y 2CS ADDRESS LINES	6800
S6840C	TIMER	8-BIT	PROGRAMMABLE COUNTER-TIMER	6800
S6840P	TIMER	8-BIT	PROGRAMMABLE COUNTER-TIMER	6800
S6846C	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/COMPLEMENTS 6802 MPU	6802
S6846P	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/COMPLEMENTS 6802 MPU	6802
S6847C	VDUC	8-BIT	VIDEO DISPLAY GENERATOR/NON-INTERLACE MODE	6800
S6847P	VDUC	8-BIT	VIDEO DISPLAY GENERATOR/NON-INTERLACE MODE	6800
S6850C	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/6800 FAMILY(APP.B)	6800
S6850P	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/6800 FAMILY(APP.B)	6800
S6852C	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ	6800
S6852P	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ	6800
S6854C	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK	6800
S6854P	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK	6800
S6860C	MODEM	8-BIT	DIGITAL MODEM FOR 6800 FAMILY (APP. B)/0-600BPS	6800
S6860P	MODEM	8-BIT	DIGITAL MODEM FOR 680J FAMILY (APP. B)/0-600BPS	6800
S8564C	MROM	.	9X7 CHARACTER GEN. ROM/64 WORD/MAX. ACCESS 450NS	GEN. PURP.
S8564P	MROM	.	9X7 CHARACTER GEN. ROM/64 WORD/MAX. ACCESS 450NS	GEN. PURP.
S8771C	MROM	10-BIT	5120=512X10/MAX. ACCESS 450NS	GEN. PURP.
S8771P	MROM	10-BIT	5120=512X10/MAX. ACCESS 450NS	GEN. PURP.
S8773C	MROM	10-BIT	2560=256X10/MAX. ACCESS 450NS	GEN. PURP.
S8773P	MROM	10-BIT	2560=256X10/MAX. ACCESS 450NS	GEN. PURP.
S8865C(24-PIN)	MROM	4-BIT	8K=2048X4/MAX. ACCESS 1.3uS	GEN. PURP.
S8865C(28-PIN)	MROM	4-BIT	8K=2048X4/MAX. ACCESS 1.3uS	GEN. PURP.
S8865P(24-PIN)	MROM	4-BIT	8K=2048X4/MAX. ACCESS 1.3uS	GEN. PURP.
S8865P(28-PIN)	MROM	4-BIT	8K=2048X4/MAX. ACCESS 1.3uS	GEN. PURP.
S8996C(24-PIN)	MROM	4-BIT	16K=4096X4/MAX. ACCESS 1.8uS/7X 5Y 4CS ADDRESS LINES	GEN. PURP.
S8996C(28-PIN)	MROM	4-BIT	16K=4096X4/MAX. ACCESS 1.8uS/7X 5Y 4CS ADDRESS LINES	GEN. PURP.
S8996P(24-PIN)	MROM	4-BIT	16K=4096X4/MAX. ACCESS 1.8uS/7X 5Y 4CS ADDRESS LINES	GEN. PURP.
S8996P(28-PIN)	MROM	4-BIT	16K=4096X4/MAX. ACCESS 1.8uS/7X 5Y 4CS ADDRESS LINES	GEN. PURP.
S9209P	DSPLC	4-BIT	MICROPROGRAMMABLE DISPLAY PROCESSOR/SINGLE-CHIP DISPLAY DRIVER	9209
S9334B	LATCH	8-BIT	ADDRESSABLE LATCH	2650
S9334F	LATCH	8-BIT	ADDRESSABLE LATCH	2650
S9334W	LATCH	8-BIT	ADDRESSABLE LATCH	2650
S9900C	CPU	16-BIT	1-CHIP CPU FOR 9900 FAMILY/3.3MHZ CLOCK	9900
S9901C	PCI	16-BIT	PROGRAMMABLE SYSTEMS INTERFACE FOR 9900/9980 FAM./500KHZ CLOCK	9900/9980
S9901P	PCI	16-BIT	PROGRAMMABLE SYSTEMS INTERFACE FOR 9900/9980 FAM./500KHZ CLOCK	9900
S9902C	UART	.	ASYNCHRONOUS COMMUNICATIONS CONTROLLER FOR 9900 FAM.	9900
S9902P	UART	.	ASYNCHRONOUS COMMUNICATION CONTROLLER FOR 9900 FAM.	9900
S9903C	USRT	7-9BIT	CRU INTERFACE/ SYNC. COMMS. CONTROLLER/9900 FAM.	9900
S9903P	USRT	7-9BIT	CRU INTERFACE/ SYNC. COMMS. CONTROLLER/9900 FAM.	9900
S9940E	MICMP	16-BIT	1-CHIP MICROCOMPUTER/EPROM VERSN. OF S9940N/QUARTZ WINDOW/5MHZ	9940
S9940N	MICMP	16-BIT	1-CHIP MICROCOMPUTER/2KX8 MROM/ 128X8 RAM INTEGRAL/5MHZ CLOCK	9940
S9980C	CPU	16-BIT	1-CHIP CPU OF 9980 FAM./8-BIT DATA BUS	9980
S9980P	CPU	16-BIT	1-CHIP CPU OF 9980 FAM./8-BIT DATA BUS	9980
S9996C(24-PIN)	MROM	4-BIT	16K=4096X4/MAX. ACCESS 1.8uS/7X 5Y 4CS ADDRESS LINES	GEN. PURP.
S9996C(28-PIN)	MROM	4-BIT	16K=4096X4/MAX. ACCESS 1.8uS/7X 5Y 4CS ADDRESS LINES	GEN. PURP.
S9996P(24-PIN)	MROM	8-BIT	16K=2048X8/MAX. ACCESS 1.8uS/7X 5Y 4CS ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	MC6802L	S6802C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	MC6802P	S6802P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM68B10L	S6810A-1C
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM68B10P	S6810A-1P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM68A10L	S6810AC
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS	MCM68A10P	S6810AP
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MCM6810AL	S6810C
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MCM6810AP	S6810P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MCM6810AL	S6810-1C
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MCM6810AP	S6810-1P
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	600MXMW	TTL	TTL/TS	F6820(CER)	S6820C
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	600MXMW	TTL	TTL/TS	MC6820L	S6820IC
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	600MXMW	TTL	TTL/TS	MC6820P	S6820IP
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	600MXMW	TTL	TTL/TS	F6820(PLS)	S6820P
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC6821L	S6821C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC6821P	S6821P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM6308L	S6830C
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM6830AL	S6830P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	150MXMW	TTL	TTL/TS		S6831AC
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	150MXMW	TTL	TTL/TS		S6831AP
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	150MXMW	TTL	TTL/TS		S6831BC
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	150MXMW	TTL	TTL/TS		S6831BP
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	150MXMW	TTL	TTL/TS		S6831C
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	150MXMW	TTL	TTL/TS		S6831CC
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	150MXMW	TTL	TTL/TS		S6831CP
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	150MXMW	TTL	TTL/TS		S6831P
AMI	DIL-24/2P	NMOS							S6831-1
AMI	DIL-24/2Q	PMOS	0C/+70C	-12V/+5V	750MXMW	TTL	TTL/TS		S6834C
AMI	DIL-24/2Q	PMOS	0C/+70C	-12V/+5V	750MXMW	TTL	TTL/TS		S6834-1C
AMI	DIL-28/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	MC6840L	S6840C
AMI	DIL-28/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	MC6840L	S6840P
MTA	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	MC6846L	S6846C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	MC6846P	S6846P
AMI	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC6847L	S6847C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	MC6847P	S6847P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6850L	S6850C
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6850P	S6850P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6852L	S6852C
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6852P	S6852P
AMI	DIL-28/2C	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC6854L	S6854C
AMI	DIL-28/2P	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC6854P	S6854P
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL	MC6860L	S6860C
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL	MC6860P	S6860P
AMI	DIL-28/2C	PMOS	0C/+70C	-12V/+5V	1.1MXW	TTL	TTL		S8564C
AMI	DIL-28/2P	PMOS	0C/+70C	-12V/+5V	1.1MXW	TTL	TTL		S8564P
AMI	DIL-28/2C	PMOS	0C/+70C	-12V/+5V	1MXW				S8771C
AMI	DIL-28/2P	PMOS	0C/+70C	-12V/+5V	1MXW				S8771P
AMI	DIL-28/2C	PMOS	0C/+70C	+5V	625MXMW	TTL			S8773C
AMI	DIL-28/2P	PMOS	0C/+70C	-12V/+5V	625MXMW	TTL	TTL		S8773P
AMI	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	635MXMW	TTL	TTL/TS		S8865C(24-PIN)
AMI	DIL-28/2C	PMOS	0C/+70C	-12V/+5V	635MXMW	TTL	TTL/TS		S8865C(28-PIN)
AMI	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	635MXMW	TTL	TTL/TS		S8865P(24-PIN)
AMI	DIL-28/2P	PMOS	0C/+70C	-12V/+5V	635MXMW	TTL	TTL/TS		S8865P(28-PIN)
AMI	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	368MXMW	TTL	TTL/TS		S8996C(24-PIN)
AMI	DIL-28/2C	PMOS	0C/+70C	-12V/+5V	368MXMW	TTL	TTL/TS		S8996C(28-PIN)
AMI	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	368MXMW	TTL	TTL/TS		S8996P(24-PIN)
AMI	DIL-28/2P	PMOS	0C/+70C	-12V/+5V	368MXMW	TTL	TTL/TS		S8996P(28-PIN)
AMI	DIL-40/2P	PMOS	0C/+70C	-15V	10MXMA	-4.6/1.8V	PMOS		S9209P
PHI	DIL-16/1P	TTLB	-55C/+125C	+5V		TTL	TTL	SN54259J	S9334B
PHI	DIL-16/1C	TTLB	-55C/+125C	+5V		TTL	TTL	SN54LS2595	S9334F
PHI	FLP-16/3C	TTLB	-55C/+125C	+5V		TTL	TTL	SN54LS259W	S9334W
AMI	DIL-64/3C	NMOS	0C/+70C	-5V/+5V/+12V	125TPMA	TTL	TTL	TMS9900	S9900C
AMI	DIL-40/2C	MNOS	0C/+70C	+5V	200MXMA	TTL	TTL	TMS9901JL	S9901C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL	TMS9901JL	S9901P
AMI	DIL-18/1C	NMOS	0C/+70C	+5V	100TPMA	TTL	TTL	TMS9902JL	S9902C
AMI	DIL-18/1P	NMOS	0C/+70C	+5V	100TPMA	TTL	TTL	TMS9902NL	S9902P
AMI	DIL-20/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	TMS9903JL	S9903C
AMI	DIL-20/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	TMS9903NL	S9903P
AMI	DIL-40/2Q	MNOS	0C/+70C	+5V	150MXMA		TTL	TMS9940E	S9940E
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940JL	S9940N
AMI	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	50TPMA	TTL	TTL/TS	TMS9980JL	S9980C
AMI	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	50TPMA	TTL	TTL/TS	TMS9980NL	S9980P
AMI	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	20MXMA	TTL	TTL/TS	2580I	S9996C(24-PIN)
AMI	DIL-28/2C	PMOS	0C/+70C	-12V/+5V	20MXMA	TTL	TTL/TS	2580I	S9996C(28-PIN)
AMI	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	20MXMA	TTL	TTL/TS	2580N	S9996P(24-PIN)

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
S9996P(28-PIN)	MROM	4-BIT	16K=4096X4/MAX. ACCESS 1.8uS/7X 5Y 4CS ADDRESS LINES	GEN. PURP.
S68332C	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/8X 4Y 2CS ADDRESS LINES	GEN. PURP.
S68332P	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/8X 4Y 2CS ADDRESS LINES	GEN. PURP.
S68488C	IFACE	8-BIT	GENERAL PURPOSE INTERFACE ADAPTER (IEEE488 BUS TO MC6800 BUS)	6800
S68488P	IFACE	8-BIT	GENERAL PURPOSE INTERFACE ADAPTER (IEEE488 BUS TO MC6800 BUS)	6800
SAB1702A-2-B	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS 1CS LINES	8080
SAB2101A-4-B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	8080
SAB2101A-4-P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	8080
SAB2102	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CE ADDRESS LINES	8080
SAB2102A-4-D	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	8080
SAB2102A-6-D	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES/LOW POWER	8080
SAB2102A-6-P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	8080
SAB2102AL-4-P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	8080
SAB2102-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	8080
SAB2111A-4-D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	8080
SAB2111A-4-P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	8080
SAB2114-C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
SAB2114L-P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES /LOW POWER	8080
SAB2114L-3-P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES /LOW POWER	8080
SAB2114-P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
SAB2114-2-C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
SAB2114-2-P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
SAB2114-3-P	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
SAB2114-3-C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	8080
SAB3001-D	MCU	2-BIT	MICROPROGRAM CONTROL UNIT FOR 3000 2-BIT-SLICE FAMILY	3000
SAB3002-D	CPEBS	2-BIT	CENTRAL PROCESSING ELEMENT OF 3000 2-BIT-SLICE FAM.	3000
SAB3003-D	LAHCG	8-BIT	LOOK AHEAD CARRY GENERATOR FOR 3000 2-BIT-SLICE FAM.	3000
SAB3205-D	DECDR	3-BIT	1-OF-8 BINARY DECODER/MAX. DELAY 18NS	GEN. PURP.
SAB3205-P	DECDR	3-BIT	1-OF-8 BINARY DECODER/MAX. DELAY 18NS	GEN. PURP.
SAB3212-D	LATCH	8-BIT	MULTIMODE LATCH BUFFER/8 D-TYPE LATCHES/MAX. WRITE CYCLE 50NS	3000
SAB3212-P	LATCH	8-BIT	MULTIMODE LATCH BUFFER/8 D-TYPE LATCHES/MAX. WRITE CYCLE 50NS	3000
SAB3214-D	ITRPC	8-BIT	INTERRUPT CONTROL UNIT	3000
SAB3214-P	ITRPC	8-BIT	INTERRUPT CONTROL UNIT	3000
SAB3216-D	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER	3000
SAB3222-B	DMI	1-BIT	REFRESH CONTROLLER FOR 4K DRAMS (SUCH AS 2107)/6 ADDRESS LINES	GEN. PURP.
SAB3226-D	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER/INVERTING	3000
SAB3226-P	DRVR	4-BIT	PARALLEL BIDIRECTIONAL BUS DRIVER/INVERTING	3000
SAB3245-D	LVLSH	4-BIT	QUAD TTL-TO-MOS DRIVER	GEN. PURP.
SAB3404-P	LATCH	6-BIT	HIGH SPEED 6-BIT LATCH/MAX. DELAY 12NS	GEN. PURP.
SAB3408-P	SAMP	6-BIT	HEX BIPOLAR SENSE AMP. WITH LATCH FOR MOS CIRCUITS	GEN. PURP.
SAB3604-D	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES	GEN. PURP.
SAB3604L-6-D	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES/LOW POWER	GEN. PURP.
SAB3604-4-D	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES	GEN. PURP.
SAB3624-D	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES	GEN. PURP.
SAB3624-4-D	PROM	8-BIT	4K=512X8/MAX. ACCESS 90NS/9 ADDRESS 4CS LINES	GEN. PURP.
SAB4001-P	MROM	8-BIT	256X8(=512X4)/MAX. ACCESS 930NS/4-BIT I-O PORT/MUX. SERIAL CNTRL	4004/4040
SAB4002-1-P	RAMIO	4-BIT	320=4X20X4 RAM + 4-BIT OUTPUT PORT/CHIP SELECTION OPTION 1	4004/4040
SAB4002-2-P	RAMIO	4-BIT	320=4X20X4 RAM + 4-BIT OUTPUT PORT/CHIP SELECTION OPTION 2	4004/4040
SAB4003-P	SHFTR	10-BIT	SHIFT REGISTER, SERIAL INPUT, PARALLEL OUTPUT	4004/4040
SAB4004-C	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4004 FAMILY (APP. B)	4004
SAB4004-D	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4004 FAMILY (APP. B)	4004
SAB4004-P	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4004 FAMILY (APP. B)	4004
SAB4008-P	MEMCT	4-BIT	MEMORY INTERFACE UNIT/ ADDRESS LATCHING UNIT	4004/4040
SAB4009-P	IOCTR	4-BIT	I-O CONTROL UNIT FOR 4004-4040 SYSTEM (APP. B)	4004/4040
SAB4040-C	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4040 FAMILY (APP. B)	4040
SAB4040-D	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4040 FAMILY (APP. B)	4040
SAB4040-P	MPU	4-BIT	CENTRAL PROCESSING UNIT (CPU) FOR 4040 FAMILY (APP. B)	4040
SAB4101-P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y ADDRESS 2CE LINES/SEP. I-O	4004/4040
SAB4201A-D	CLOCK	2-BIT	CLOCK GENERATOR/XTAL CONTROLLED/FOR 4004-4040 FAMILY (APP. B)	4004/4040
SAB4201A-P	CLOCK	2-BIT	CLOCK GENERATOR/XTAL CONTROLLED/FOR 4004-4040 FAMILY (APP. B)	4004/4040
SAB4265-D	PIO	8-BIT	PROGRAMMABLE I-O DEVICE FOR 4004-4040 FAMILY (APP. B)	4004/4040
SAB4265-P	PIO	8-BIT	PROGRAMMABLE I-O DEVICE FOR 4004-4040 FAMILY (APP. B)	4004/4040
SAB4269-D	KBDSC		PROGRAMMABLE KEYBOARD AND DISPLAY CONTROL UNIT	4004/4040
SAB4289-C	MEMCT	4-BIT	STANDARD MEMORY INTERFACE/ADDRESS AND I-O CONTROL UNIT	4004/4040
SAB4308-P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 930NS/4 4-BIT I-O PORTS/MUX. SER. CONTROL	4004/4040
SAB4702A-B	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.7US/8 ADDRESS 1CS LINES	4004/4040
SAB5101L-C	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	4004/4040
SAB8008-C	CPU	8-BIT	1-CHIP CPU FOR 8008 FAM. (APP. B)/ 2uS INSTRUCTION CYCLE	8008
SAB8008-1-C	CPU	8-BIT	1-CHIP CPU FOR 8008 FAM. (APP. B)/1.25uS INSTRUCTION CYCLE	8008
SAB8035-P	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS 8048	8048
SAB8035-8-P	MICMP	8-BIT	1-CHIP MICROCOMPUTER/3MHZ CLOCK/64X8 RAM/ROMLESS 8048	8048
SAB8048-C	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
SAB8080A-1-D	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/INSTRUCTION CYCLE DOWN TO 1.3uS	8080
SAB8080A-2-D	MPU	8-BIT	1-CHIP CPU OF 8080 FAM (APP. B)/INSTRUCTION CYCLE DOWN TO 1.5uS	8080
SAB8080A-D	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/INSTRUCTION CYCLE DOWN TO 2uS	8080

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
AMI	DIL-28/2P	PMOS	0C/+70C	-12V/+5V	20MXMA	TTL	TTL/TS	2580N	S9996P(28-PIN)
AMI	DIL-24/2C	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL/TS	R2332C	S68332C
AMI	DIL-24/2P	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL/TS	R2332C	S68332P
AMI	DIL-40/2C	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	MC68488L	S68488C
AMI	DIL-40/2P	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	MC68488P	S68488P
SIE	DIL-24/2Q	PMOS	0C/+70C	-9V/+5V	50MXMA	TTL	TTL/TS	MK1702A	SAB1702A-2-B
SIE	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B2101A-4	SAB2101A-4-B
SIE	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2101A-4	SAB2101A-4-P
SIE	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-6	SAB2102
SIE	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A-4	SAB2102A-4-D
SIE	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A-6	SAB2102A-6-D
SIE	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2102A-6	SAB2102A-6-P
SIE	DIL-16/1P	NMOS	0C/+70C	+5V	33MXMA	TTL	TTL/TS	P2102AL-4	SAB2102AL-4-P
SIE	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-4	SAB2102-1
SIE	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A-4	SAB2111A-4-D
SIE	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A-4	SAB2111A-4-P
SIE	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	C2114	SAB2114-C
SIE	DIL-18/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2114L	SAB2114L-P
SIE	DIL-18/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2114L-3	SAB2114L-3-P
SIE	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	P2114	SAB2114-P
SIE	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	C2114-2	SAB2114-2-C
SIE	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	P2114-2	SAB2114-2-P
SIE	DIL-18/1P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	P2114-3	SAB2114-3-P
SIE	DIL-18/1C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	C2114-3	SAB2114-3-C
SIE	DIL-40/2C	STLB	0C/+70C	+5V	240MXMA	TTL	/TS+OC	D3001	SAB3001-D
SIE	DIL-28/2C	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D3002	SAB3002-D
SIE	DIL-28/2C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL	D3003	SAB3003-D
SIE	DIL-16/1C	TTLB	0C/+75C	+5V	70MXMA	TTL	TTL	D3205	SAB3205-D
SIE	DIL-16/1P	TTLB	0C/+75C	+5V	70MXMA	TTL	TTL	P3205	SAB3205-P
SIE	DIL-24/2C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	C3212	SAB3212-D
SIE	DIL-24/2P	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	P3212	SAB3212-P
SIE	DIL-24/2C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL	D3214	SAB3214-D
SIE	DIL-24/2P	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL	P3214	SAB3214-P
SIE	DIL-16/1C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	D3216	SAB3216-D
SIE	DIL-22/2C	STLB	0C/+75C	+5V	120MXMA	TTL	TTL	D3222	SAB3222-B
SIE	DIL-16/1C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	D3226	SAB3226-D
SIE	DIL-16/1P	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	P3226	SAB3226-P
SIE	DIL-16/1C	STLB	0C/+75C	+5V/+12V	485MXMW	TTL	MOS	D3245	SAB3245-D
SIE	DIL-16/1P	TTLB	0C/+75C	+5V	75MXMA	TTL	TTL	D3404	SAB3404-P
SIE	DIL-16/1P	STLB	0C/+70C	+5V	125MXMA	MOS	TTL/TS	D3408A	SAB3408-P
SIE	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC	D3604	SAB3604-D
SIE	DIL-24/2C	TTLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC	D3604L-6	SAB36046-6-D
SIE	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC	D3604-4	SAB3604-4-D
SIE	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/TS	D3624	SAB3624-D
SIE	DIL-24/2C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/TS	D3624-4	SAB3624-4-D
SIE	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	30MXMA	TTL	TTL	P4001	SAB4001-P
SIE	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	33MXMA	TTL	TTL	P4002-1	SAB4002-1-P
SIE	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	33MXMA	TTL	TTL	P4002-2	SAB4002-2-P
SIE	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	127MXMW	TTL	TTL	P4003	SAB4003-P
SIE	DIL-16/1C	PMOS	0C/+70C	-10V/+5V	600MXMW	TTL	TTL	C4004	SAB4004-C
SIE	DIL-16/1M	PMOS	0C/+70C	-10V/+5V	600MXMW	TTL	TTL	D4004	SAB4004-D
SIE	DIL-16/1P	PMOS	0C/+70C	-10V/+5V	600MXMW	TTL	TTL	P4004	SAB4004-P
SIE	DIL-24/2P	PMOS	0C/+70C	-10V/+5V	750MXMW	TTL	TTL	P4008	SAB4008-P
SIE	DIL-24/2P	PMOS	0C/+70C	-10V/+5V	740MXMW	TTL	TTL	P4009	SAB4009-P
SIE	DIL-24/2C	PMOS	0C/+70C	-10V/+5V	900MXMW	TTL	TTL	C4040	SAB4040-C
SIE	DIL-24/2M	PMOS	0C/+70C	-10V/+5V	900MXMW	TTL	TTL	D4040	SAB4040-D
SIE	DIL-24/2P	PMOS	0C/+70C	-10V/+5V	900MXMW	TTL	TTL	P4040	SAB4040-P
SIE	DIL-22/4P	NMOS	0C/+70C	+5V	150TPMW	TTL	TTL		SAB4101-P
SIE	DIL-16/1M	CMOS	0C/+70C	-5V/+15V	300MXMW		MOS+TTL	DP4201J	SAB4201A-D
SIE	DIL-16/1C	CMOS	0C/+70C	-5V/+15V	300MXMW		MOS+TTL	DP4201J	SAB4201A-P
SIE	DIL-28/2M	PMOS	0C/+85C	-10V/+5V	525TPMW	TTL	TTL	D4265	SAB4265-D
SIE	DIL-28/2P	PMOS	0C/+70C	-10V/+5V	525TPMW	TTL	TTL	P4265	SAB4265-P
SIE	DIL-40/2M		0C/+70C	-10V/+5V	65MXMA			D4269	SAB4269-D
SIE	DIL-40/2C	PMOS	0C/+70C	-10V/+5V	400MXMW	TTL	TTL	C4289	SAB4289-C
SIE	DIL-28/2P	PMOS	0C/+70C	-10V/+5V	400MXMW	TTL	TTL	P4308	SAB4308-P
SIE	DIL-24/2Q	PMOS	0C/+70C	-10V/+5V	63MXMA	TTL	TTL/TS	B4702A	SAB4702A-B
SIE	DIL-22/4C	CMOS	0C/+70C	+5V	135MXMW	TTL	TTL		SAB5101L-C
SIE	DIL-18/1C	PMOS	0C/+70C	-9V/+5V	60MXMA	TTL	TTL	C8008	SAB8008-C
SIE	DIL-18/1C	PMOS	0C/+70C	-9V/+5V	60MXMA	TTL	TTL	C8008-1	SAB8008-1-C
SIE	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8035	SAB8035-P
SIE	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8035	SAB8035-8-P
SIE	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8048	SAB8048-C
SIE	DIL-40/2M	NMOS	-55C/+125C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	MD8080A-1	SAB8080A-1-D
SIE	DIL-40/2M	NMOS	-55C/+125C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	MD8080A-2	SAB8080A-2-D
SIE	DIL-40/2M	NMOS	-55C/+125C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	MD8080A	SAB8080A-D

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
SAB8080A-P	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/INSTRUCTION CYCLE DOWN TO 2uS	8080
SAB8085-C	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.3uS	8085
SAB8085-P	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.3uS	8085
SAB8101A-4-B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/SEP. I-O	8080
SAB8101A-4-P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/SEP. I-O	8080
SAB8102A-4-D	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/10 ADDRESS 1CE LINES	8080
SAB8102A-4-P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/10 ADDRESS 1CE LINES	8080
SAB8111A-4-D	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/COMMON I-O	8080
SAB8111A-4-P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/COMMON I-O	8080
SAB8155-C	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8048/8085
SAB8205-D	DECDR	3-BIT	1-OF-8 BINARY DECODER/MAX. DELAY 18NS	8080
SAB8205-P	DECDR	3-BIT	1-OF-8 BINARY DECODER	8080
SAB8212D	IP/OP	8-BIT	8-BIT INPUT-OUTPUT PORT FOR 8080 FAM. (APP. B)	8080
SAB8212-P	IP/OP	8-BIT	8-BIT INPUT-OUTPUT PORT FOR 8080 FAM. (APP. B)	8080
SAB8214-D	PINTC	8-BIT	INTERRUPT CONTROL UNIT FOR 8080 FAM. (APP. B)	8080
SAB8214-P	PINTC	8-BIT	INTERRUPT CONTROL UNIT FOR 8080 FAM. (APP. B)	8080
SAB8216-D	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/8080 DATA BUS BUFFER DVR	8080
SAB8216-P	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/8080 DATA BUS BUFFER DVR	8080
SAB8224-D	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080 FAM. (APP. B)/ 18MHZ	8080
SAB8224-P	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080 FAM. (APP. B)	8080
SAB8226-D	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080
SAB8226-P	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080
SAB8228-D	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080 FAM. (APP. B)	8080
SAB8228-P	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080 FAM. (APP. B)	8080
SAB8238-D	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080 FAM. (APP. B)	8080
SAB8238-P	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080 FAM. (APP. B)	8080
SAB8243-P	EXPIO	4-BIT	INPUT-OUTPUT EXPANDER/4 I-O PORTS AS EXTENSION FROM ONE I-O PORT	8048
SAB8251-D	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
SAB8251-P	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH./ASYNCH. RECEIVER-TRANSMITTER	8080
SAB8253-CL	PTM		PROGRAMMABLE INTERVAL TIMER/THREE 16-BIT COUNTERS/DC-2MHZ	8080
SAB8255-D	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAMILY (APP. B)	8080
SAB8257-D	DMAC	8-BIT	PROGRAMMABLE DIRECT MEMORY ACCESS CONTROLLER (DMA) FOR 8080 FAM.	8080
SAB8259-D	PINTC	8-BIT	PROGRAMMABLE INTERRUPT CONTROLLER FOR 8048 FAM. (APP. B)	8080
SAB8271-D	FLPDC	8-BIT	PROGR. FLOPPY DISK CONTROLLER/IBM 3740 SOFT SECTORED FORMAT/4MHZ	8080
SAB8273-D	SDLNC	8-BIT	SDLC PROTOCOL CONTROLLER/56K BAUD	8080
SAB8275-D	CRTC		PROGRAMMABLE CRT DISPLAY CONTROLLER (VDU) FOR 8080 FAM. (APP. B)	8080
SAB8279-D	KBDSC	8-BIT	INPUT-OUTPUT CONTROLLER FOR KEYBD. DISPLAY UNIT FOR 8080 FAM.	8080
SAB8279-P	KBDSC	8-BIT	INPUT-OUTPUT CONTROLLER FOR KEYBD. DISPLAY UNIT FOR 8080 FAM.	8080
SAB8308-P	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 2CS ADDRESS LINES	8080
SAB8316A-D	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/7X 4Y 3CS ADDRESS LINES	8080
SAB8316A-P	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/7X 4Y 3CS ADDRESS LINES	8080
SAB8355-D	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8 ADDR.-DATA 2CE ADDR. LINES	8048/8085
SAB8355-P	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8 ADDR.-DATA 2CE ADDR. LINES	8048/8085
SAB8702A-4-B	EPROM	8-BIT	2K=256X8/MAX. ACCESS 2.3uS/8 ADDRESS 1CS LINES	8080
SAB8702A-B	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1.3uS/8 ADDRESS 1CS LINES	8080
SAB8708-C	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 3Y 1CS ADDRESS LINES	8080
SAB8748-B	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INTERNAL CPU-RAM-IO-EPROM/6MHZ INT. CLOCK	8048
SAB8748-8-B	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INTERNAL CPU-RAM-IO-EPROM/3MHZ INT. CLOCK	8048
SAB8755-C	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8X 3Y 2CE ADDRESS LINES	8048/8085
SAB8755-8-C	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/8X 3Y 2CE ADDRESS LINES/3MHZ CLOCK	8048/8085
SAB8755-8-D	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/3MHZ CLOCK/8X 3Y 2CE ADDRESS LINES	8048/8085
SBP0400AC-CER.	MPU	4-BIT	4-BIT SLICE PROCESSOR/0400 FAMILY CAPP. B)/5MHZ MAX. CLOCK	0400
SBP0400AC-PLAS.	MPU	4-BIT	4-BIT SLICE PROCESSOR/0400 FAMILY (APP. B)/5MHZ MAX. CLOCK	0400
SBP0400AM	MPU	4-BIT	4-BIT SLICE PROCESSOR/0400 FAMILY (APP. B)/5MHZ MAX. CLOCK	0400
SBP0400C-CER.	MPU	4-BIT	4-BIT SLICE PROCESSOR/0400 FAMILY (APP. B)/1MHZ MAX. CLOCK	0400
SBP0400C-PLAS.	MPU	4-BIT	4-BIT SLICE PROCESSOR/0400 FAMILY (APP. B)/1MHZ MAX. CLOCK	0400
SBP0400M	MPU	4-BIT	4-BIT SLICE PROCESSOR/0400 FAMILY (APP. B)/1MHZ MAX. CLOCK	0400
SBP0401AC-CER.	MPU	4-BIT	4-BIT SLICE PROCESSOR/0400 FAMILY (APP. B)/4MHZ MAX. CLOCK	0400
SBP0401AC-PLAS.	MPU	4-BIT	4-BIT SLICE PROCESSOR/0400 FAMILY (APP. B)/4MHZ MAX. CLOCK	0400
SBP0401AM	MPU	4-BIT	4-BIT SLICE PROCESSOR/0400 FAMILY (APP. B)/4MHZ MAX. CLOCK	0400
SBP8316CN	MROM	8-BIT	16K=2048X8/MAX. ACCESS 750NS/7X 4Y 3CS ADDRESS LINES	SBP9900
SBP8316MJ	MROM	8-BIT	16K=2048X8/MAX. ACCESS 750NS/7X 4Y 3CS ADDRESS LINES	SBP9900
SBP9818CN	MROM	8-BIT	16K=2048X8/ACCESS 750NS-100uS DEPENDENT ON INJECTOR CURRENT	SBP9900
SBP9818MJ	MROM	8-BIT	16K=2048X8/ACCESS 750NS-100uS DEPENDENT ON INJECTOR CURRENT	SBP9900
SBP9900	CPU	16-BIT	CENTRAL PROCESSING UNIT FOR SBP9900 FAMILY (APP. B)	SBP9900
SBP9900A	CPU	16-BIT	CENTRAL PROCESSING UNIT FOR SBP9900 FAM.	SBP9900
SBP9900E	CPU	16-BIT	CENTRAL PROCESSING UNIT FOR SBP9900 FAM.	SBP9900
SBP9900M	CPU	16-BIT	CENTRAL PROCESSING UNIT FOR SBP9900 FAM.	SBP9900
SBP9900N	CPU	16-BIT	CENTRAL PROCESSING UNIT FOR SBP9900 FAM.	SBP9900
SBP9960CJ	EXPIO	16-BIT	I-O EXPANDER/PROPN. DELAY 300NS TYP.	SBPTMS9900
SBP9960EJ	EXPIO	16-BIT	I-O EXPANDER/PROPN. DELAY 300NS TYP.	SBPTMS9900
SBP9960MJ	EXPIO	16-BIT	I-O EXPANDER/PROPN. DELAY 300NS TYP.	SBPTMS9900
SBP9960NJ	EXPIO	16-BIT	I-O EXPANDER/PROPN. DELAY 300NS TYP./HIGH REL. VERSION	SBPTMS9900
SBP9961CJ	ITRPC	16-BIT	INTERRUPT-CONTROLLER-TIMER	SBPTMS9900
SBP9961EJ	ITRPC	16-BIT	INTERRUPT-CONTROLLER-TIMER	SBPTMS9900

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
SIE	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	P8080A	SAB8080A-P
SIE	DIL-40/2C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	C8085	SAB8085-C
SIE	DIL-40/2C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	P8085	SAB8085-P
SIE	DIL-22/4C	NMOS	0C/+70C	+5V	350MXMW	TTL	TTL/TS	C8101A-4	SAB8101A-4-B
SIE	DIL-22/4P	NMOS	0C/+70C	+5V	350MXMW	TTL	TTL/TS	P8101A-4	SAB8101A-4-P
SIE	DIL-16/1C	NMOS	0C/+70C	+5V	350MXMW	TTL	TTL/TS	D8102A-4	SAB8102A-4-D
SIE	DIL-16/1P	NMOS	0C/+70C	+5V	350MXMW	TTL	TTL/TS	P8102A-4	SAB8102A-4-P
SIE	DIL-18/1C	NMOS	0C/+70C	+5V	350MXMW	TTL	TTL/TS	D8111A-4	SAB8111A-4-D
SIE	DIL-18/1P	NMOS	0C/+70C	+5V	350MXMW	TTL	TTL/TS	P8111A-4	SAB8111A-4-P
SIE	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8155	SAB8155-C
SIE	DIL-16/1C	STLB	0C/+70C	+5V	70MXMA	TTL	TTL	D8205	SAB8205-D
SIE	DIL-16/1P	STLB	0C/+70C	+5V	70MXMA	TTL	TTL	P8205	SAB8205-P
SIE	DIL-24/2C	TTLB	-55C/+125C	+5V	650MXMW	TTL	TTL/TS	D8212	SAB8212D
SIE	DIL-24/2P	TTLB	0C/+70C	+5V	650MXMW	TTL	TTL/TS	AM8212	SAB8212-P
SIE	DIL-24/2C	TTLB	0C/+70C	+5V	500MXMW	TTL	TTL	D8214	SAB8214-D
SIE	DIL-24/2F	TTLB	0C/+70C	+5V	500MXMW	TTL	TTL	P8214	SAB8214-P
SIE	DIL-16/1C	STLB	-55C/+125C	+5V	375MXMW	TTL	TTL/TS	MD8216	SAB8216-D
SIE	DIL-16/1P	STLB	0C/+70C	+5V	375MXMW	TTL	TTL/TS	P8216	SAB8216-P
SIE	DIL-16/1C	STLB	-55C/+125C	+5V/+12V	430MXMW		TTL	AM8224DM	SAB8224-D
SIE	DIL-16/1P	STLB	0C/+70C	+5V/+12V	115MXMA		TTL	P8224	SAB8224-P
SIE	DIL-16/1C	STLB	-55C/+125C	+5V		TTL	TTL/TS	MD8226	SAB8226-D
SIE	DIL-16/1P	STLB	0C/+70C	+5V		TTL	TTL/TS	P8226	SAB8226-P
SIE	DIL-28/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS	MD8228	SAB8228-D
SIE	DIL-28/2P	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	P8228	SAB8228-P
SIE	DIL-28/2C	TTLB	-55C/+125C	+5V	190MXMA	TTL	TTL/TS	AM823DM	SAB8238-D
SIE	DIL-28/2P	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	P8238	SAB8238-P
SIE	DIL-24/2P	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL	P8243	SAB8243-P
SIE	DIL-28/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	D8251	SAB8251-D
SIE	DIL-28/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL	P8251	SAB8251-P
SIE	DIL-24/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8253	SAB8253-CL
SIE	DIL-40/2C	NMOS	0C/+70C	+5V	40TPMA	TTL	TTL	D8255	SAB8255-D
SIE	DIL-40/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL	D8257	SAB8257-D
SIE	DIL-28/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8259	SAB8259-D
SIE	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	D8271	SAB8271-D
SIE	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	D8273	SAB8273-D
SIE	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	D8275	SAB8275-D
SIE	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	D8279	SAB8279-D
SIE	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	P8279	SAB8279-P
SIE	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	D8308	SAB8308-P
SIE	DIL-16/1C	NMOS	0C/+70C	+5V	514MXMW	TTL	TTL/TS	D8316A	SAB8316A-D
SIE	DIL-16/1P	NMOS	0C/+70C	+5V	514MXMW	TTL	TTL/TS	P8316A	SAB8316A-P
SIE	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8355	SAB8355-D
SIE	DIL-40/2P	TTLB	0C/+70C	+5V	100MXMA	TTL	TTL	P8355	SAB3855-P
SIE	DIL-24/2Q	PMOS	0C/+70C	+12V	540MXMW	TTL	TTL	B8702A-4	SAB8702A-4-B
SIE	DIL-24/2Q	PMOS	0C/+70C	+12V	540MXMW	TTL	TTL	B8702A	SAB8702A-B
SIE	DIL-24/2C	NMOS	0C/+70C	-5V/+12V	800MXMW	TTL	TTL	B8708	SAB8708-C
SIE	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	B8748	SAB8748-B
SIE	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	C8748-8	SAB8748-8-B
SIE	DIL-40/2Q	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8755	SAB8755-C
SIE	DIL-40/2Q	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8755	SAB8755-8-C
SIE	DIL-40/2Q	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8755	SAB8755-8-D
TII	DIL-40/2C	I2LB	0C/+70C	+0.85VMN	160MXMA	TTL	TTL/OC		SBP0400AC-CER.
TII	DIL-40/2P	I2LB	0C/+70C	+0.85VMN	160MXMA	TTL	TTL/OC		SBP0400AC-PLAS.
TII	DIL-40/2C	I2LB	-55C/+125C	+0.85VMN	165MXMA	TTL	TTL/OC		SBP0400AM
TII	DIL-40/2C	I2LB	0C/+70C	+0.85VMN	160MXMA	TTL	TTL/OC		SBP0400C-CER.
	DIL-40/2P	I2LB	0C/+70C	+0.85VMN	160MXMA	TTL	TTL/OC		SBP0400C-PLAS.
TII	DIL-40/2C	I2LB	-55C/+125C	+0.85VMN	165MXMA	TTL	TTL/OC		SBP0400M
TII	DIL-40/2C	I2LB	0C/+70C	+0.85VMN	160MXMA	TTL	TTL/OC		SBP0401AC-CER.
TII	DIL-40/2P	I2LB	0C/+70C	+0.85VMN	160MXMA	TTL	TTL/OC		SBP0401AC-PLAS.
TII	DIL-40/2C	I2LB	-55C/+125C	+0.85VMN	165MXMA	TTL	TTL/OC		SBP0401AM
TII	DIL-24/2P	I2L	0C/+70C	+5V	160MXMA	TTL	TTL	P8316A	SBP8316CN
TII	DIL-24/2C	I2L	-55C/+125C	+5V	160MXMA	TTL	TTL	EA8316ADL	SBP8316MJ
TII	DIL-24/2P	I2L	0C/+70C	+5V	160MXMA	TTL	TTL	SBP9818MJ	SBP9818CN
TII	DIL-24/2C	I2L	-55C/+125C	+5V	160MXMA	TTL	TTL		SBP9818MJ
TII	DIL-64/3C	I2L	-55C/+125C	1.5V TO 30V	550MXMA	TTL	TTL		SBP9900
TII	DIL-64/3C	I2L	0C/+70C	1.5V TO 30V	550MXMA	TTL	TTL		SBP9900A
TII	DIL-64/3C	I2L	-40C/+85C	1.5V TO 30V	550MXMA	TTL	TTL		SBP9900E
TII	DIL-64/3C	I2L	-55C/+125C	1.5V TO 30V	550MXMA	TTL	TTL		SBP9900M
TII	DIL-64/3C	I2L	-55C/+125C	1.5V TO 30V	550MXMA	TTL	TTL		SBP9900N
TII	DIL-28/2C	I2L	0C/+70C	+5V	77MXMA	TTL	TTL	SBP9960EJ	SBP9960CJ
TII	DIL-28/2C	I2L	-40C/+85C	+5V	77MXMA	TTL	TTL	SBP9960MJ	SBP9960EJ
TII	DIL-28/2C	I2L	-55C/+125C	+5V	77MXMA	TTL	TTL	SBP9960NJ	SBP9960MJ
TII	DIL-28/2C	I2L	-55C/+125C	+5V	77MXMA	TTL	TTL		SBP9960NJ
TII	DIL-40/2C	I2L	0C/+70C	+5V	145MXMA	TTL	TTL	SBP9961EJ	SBP9961CJ
TII	DIL-40/2C	I2L	-40C/+85C	+5V	145MXMA	TTL	TTL	SBP9961MJ	SBP9961EJ

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
SBP9961MJ	ITRPC	16-BIT	INTERRUPT-CONTROLLER-TIMER	SBPTMS9900
SBP9961NJ	ITRPC	16-BIT	INTERRUPT-CONTROLLER-TIMER/HIGH REL. VERSION	SBPTMS9900
SBP9964	TIMER	14-BIT	TIMING CONTROLLER FOR SBP9900A	SBP9900A
SBP9965	PIA	16-BIT	PERIPHERAL INTERFACE ADAPTER	SBP9900
SC/MP	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP FAMILY (APP. B)/=ISP8A/500D	SC/MP
SC/MP-1	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP FAMILY (APP. B)/=ISP8A/500D	SC/MP
SC/MP-I	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP FAMILY (APP. B)/=ISP8A/500D	SC/MP
SC/MP-II(D)	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP-II FAMILY (APP. B)	SC/MP-II
SC/MP-II(N)	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP-II FAMILY (APP. B)	SC/MP-II
SC/MP-2(D)	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP-II FAMILY (APP. B)	SC/MP-II
SC/MP-2(N)	MPU	8-BIT	1-CHIP MICROPROCESSOR FOR SC/MP-II FAMILY (APP. B)	SC/MP-II
SEMI4104ACC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P.	GEN. PURP.
SEMI4104ACP	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P.	GEN. PURP.
SEMI4104BCC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P.	GEN. PURP.
SEMI4104BCP	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P.	GEN. PURP.
SEMI4200ACC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SEMI4200ACP	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SEMI4200BCC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SEMI4200BCP	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SEMI4801ACC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/5X 5Y 2CS 1CE ADDRESS LINES	GEN. PURP.
SEMI4801BCC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 400NS/5X 5Y 2CS 1CE ADDRESS LINES	GEN. PURP.
SEMI4801UCC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 600NS/5X 5Y 2CS 1CE ADDRESS LINES	GEN. PURP.
SEMI4804ACC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
SEMI4804BCC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 400NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
SEMI4804UCC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 600NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
SFC54LS181JM	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
SFC74LS181E	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
SFC54148JM	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
SFC54181JM	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
SFC71301-AE	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS	GEN. PURP.
SFC71301-AK	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS	GEN. PURP.
SFC71301E	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS	GEN. PURP.
SFC71301K	PROM	4-BIT	1K=256X4/MAX. ACCESS 50NS	GEN. PURP.
SFC71604K	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS	GEN. PURP.
SFC74148E	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
SFC74181E	ALU	4-BIT	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR	GEN. PURP.
SFC92901AE	CPU	4-BIT	4-BIT SLICE PROCESSOR OF 2900 FAM./MAX. CLOCK 15MHZ	2900
SFC92901AK	CPU	4-BIT	4-BIT SLICE PROCESSOR OF 2900 FAM./MAX. CLOCK 15MHZ	2900
SFC92901AKM	CPU	4-BIT	4-BIT SLICE PROCESSOR OF 2900 FAM./MAX. CLOCK 15MHZ	2900
SFC92901E	CPU	4-BIT	4-BIT SLICE PROCESSOR OF 2900 FAM./MAX. CLOCK 9.5MHZ	2900
SFC92901K	CPU	4-BIT	4-BIT SLICE PROCESSOR OF 2900 FAMILY (APP. B)/MAX. CLOCK 9.5MHZ	2900
SFC92901KM	CPU	4-BIT	4-BIT SLICE PROCESSOR OF 2900 FAMILY (APP. B)/MAX. CLOCK 8.3MHZ	2900
SFC92902E	LAHCG	4-BIT	FAST LOOK-AHEAD CARRY GENERATOR OF 2900 FAM.	2900
SFC92902K	LAHCG	4-BIT	FAST LOOK-AHEAD CARRY GENERATOR OF 2900 FAMILY (APP. B)	2900
SFC92902KM	LAHCG	4-BIT	FAST LOOK-AHEAD CARRY GENERATOR OF 2900 FAMILY (APP. B)	2900
SFC92905E	TRCVR	4-BIT	BUS TRANSCEIVER FOR 2900 FAM./QUAD 2-INPUT	2900
SFC92905K	TRCVR	4-BIT	BUS TRANSCEIVER FOR 2900 FAMILY (APP. B)/QUAD 2-INPUT	2900
SFC92905KM	TRCVR	4-BIT	BUS TRANSCEIVER FOR 2900 FAMILY (APP. B)/QUAD 2-INPUT	
SFC92906E	TRCVR	4-BIT	BUS TRANSCEIVER FOR 2900 FAM./QUAD 2-INPUT/PARITY	2900
SFC92906K	TRCVR	4-BIT	BUS TRANSCEIVER FOR 2900 FAMILY (APP. B)/QUAD 2-INPUT/PARITY	2900
SFC92906KM	TRCVR	4-BIT	BUS TRANSCEIVER FOR 2900 FAMILY (APP. B)/QUAD 2-INPUT/ PARITY	2900
SFC92907E	TRCVR	4-BIT	BUS TRANSCEIVER FOR 2900 FAM./QUAD-INPUT/PARITY	2900
SFC92907K	TRCVR	4-BIT	BUS TRANSCEIVER FOR 2900 FAMILY (APP. B)/QUAD INPUT/ PARITY	2900
SFC92907KM	TRCVR	4-BIT	BUS TRANSCEIVER FOR 2900 FAMILY (APP. B)/QUAD INPUT/ PARITY	2900
SFC92909E	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 2900 FAM.	2900
SFC92909K	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 2900 FAMILY (APP. B)	2900
SFC92909KM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 2900 FAMILY (APP. B)	2900
SFC92910K	MCU	8-BIT	MICROPROGRAM CONTROL UNIT FOR 2900 FAM./12-BIT (4096) ADDRESSES	2900
SFC92911E	SQNCR	4-BIT	MINI MICROPROGRAM SEQUENCER FOR 2900 FAM.	2900
SFC92911K	SQNCR	4-BIT	MINI MICROPROGRAM SEQUENCER FOR 2900 FAMILY (APP. B)	2900
SFC92911KM	SQNCR	4-BIT	MINI MICROPROGRAM SEQUENCER FOR 2900 FAMILY (APP. B)	2900
SFC92913E	ITRPC	8-BIT	INTERRUPT EXPANDER FOR SFC92914K	2900
SFC92913K	ITRPC	8-BIT	INTERRUPT EXPANDER FOR SFC92914K	2900
SFC92913KM	ITRPC	8-BIT	INTERRUPT EXPANDER FOR AM2914	2900
SFC92914E	ITRPC	8-BIT	VECTORED INTERRUPT CONTROLLER/8-LEVEL/FOR 2900 FAM.	2900
SFC92914K	ITRPC	8-BIT	VECTORED INTERRUPT CONTROLLER/8-LEVEL/FOR 2900 FAMILY (APP. B)	2900
SFC92914KM	ITRPC	8-BIT	VECTORED INTERRUPT CONTROLLER/8-LEVEL/FOR 2900 FAMILY (APP. B)	2900
SFC92915AE	UART	4-BIT	QUAD HIGH SPEED BUS TRANSCEIVER/3-STATE BUS DVR.	2900
SFC92915AK	UART	4-BIT	QUAD HIGH SPEED BUS TRANSCEIVER/3-STATE BUS DVR.	2900
SFC92915AKM	UART	4-BIT	QUAD HIGH SPEED BUS TRANSCEIVER/3-STATE BUS DVR.	2900
SFC92916AE	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
SFC92916AK	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
SFC92916AKM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
SFC92917AE	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
SFC92917AK	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
TII	DIL-40/2C	I2L	-55C/+125C	+5V	145MXMA	TTL	TTL	SBP9961NJ	SBP9961MJ
TII	DIL-40/2C	I2L	-55C/+125C	+5V	145MXMA	TTL	TTL		SBP9961NJ
TII	DIL-20/2C	I2L	-55C/+125C	+5V		TTL	TTL/OC		SBP9964
TII	DIL-40/2C	I2L	-55C/+125C	+5V		TTL	TTL/OC		SBP9965
NAT	DIL-40/2C	PMOS	0C/+70C	-7V/+5V	135MXMA	TTL	TTL/TS		SC/MP
NAT	DIL-40/2C	PMOS	0C/+70C	-7V/+5V	135MXMA	TTL	TTL/TS		SC/MP-1
NAT	DIL-40/2C	PMOS	0C/+70C	-7V/+5V	135MXMA	TTL	TTL/TS		SC/MP-I
NAT	DIL-40/2C	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	SC/MP-II(N)	SC/MP-II(D)
NAT	DIL-40/2P	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	SC/MP-II(D)	SC/MP-II(N)
NAT	DIL-40/2C	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	SC/MP-2(N)	SC/MP-2(D)
NAT	DIL-40/2P	NMOS	0C/+70C	+5V	45MXMA	TTL	TTL/TS	SC/MP-2(D)	SC/MP-2(N)
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS		SEMI4104ACC
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS		SEMI4104ACP
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS		SEMI4104BCC
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS		SEMI4104BCP
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	uPD410D	SEMI4200ACC
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	uPD410D	SEMI4200ACP
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS	uPD410D-2	SEMI4200BCC
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS	uP410D-2	SEMI4200BCP
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		SEMI4801ACC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		SEMI4801BCC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		SEMI4801UCC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		SEMI4804ACC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		SEMI4804BCC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		SEMI4804UCC
THC	DIL-24/2C	LSTB	-55C/+125C	+5V	35MXMA	TTL	TTL	AM54LS181J	SFC54LS181JM
THC	DIL-24/2P	LSTB	0C/+70C	+5V	37MXMA	TTL	TTL/OC	AM74LS181J	SFC74LS181E
THC	DIL-16/1C	TTLB	-55C/+125C	+5V	190TPMW	TTL	TTL	SN54148JM	SFC54148JM
THC	DIL-24/2C	LSTB	-55C/+125C	+5V	35MXMA	TTL	TTL	AM54181J	SFC54181JM
THC	DIL-16/1P	STLB	0C/+70C	+5V		TTL	TTL/OC		SFC71301-AE
THC	DIL-16/1C	STLB	0C/+70C	+5V		TTL	TTL/OC		SFC71301-AK
THC	DIL-16/1P	STLB	0C/+70C	+5V		TTL	TTL/TS		SFC71301E
THC	DIL-16/1C	STLB	0C/+70C	+5V		TTL	TTL/TS		SFC71301K
THC	DIL-24/2C	STTL	0C/+70C	+5V		TTL	TTL/OC		SFC71604K
THC	DIL-16/1P	TTLB	0C/+70C	+5V	190TPMW	TTL	TTL	SN74148N	SFC74148E
THC	DIL-24/2P	TTLB	0C/+70C	+5V	455TPMW	TTL	TTL/OC	AM74S181J	SFC74181E
THC	DIL-40/2P	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS	AM2901APC	SFC92901AE
THC	DIL-40/2C	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS	AM2901ADC	SFC92901AK
THC	DIL-40/2C	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS	AM2901ADM	SFC92901AKM
THC	DIL-40/2P	LSTB	0C/+70C	+5V	280MXMA	TTL	TTL/TS	AM2901PC	SFC92901E
THC	DIL-40/2C	LSTB	0C/+70C	+5V	280MXMA	TTL	TTL/TS	MC2901ALC	SFC92901K
THC	DIL-40/2C	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS	MC2901ALM	SFC92901KM
THC	DIL-16/1P	LSTB	0C/+70C	+5V	94MXMA	TTL	TTL	AM2902DC	SFC92902E
THC	DIL-16/1C	LSTB	0C/+70C	+5V	94MXMA	TTL	TTL	MC2902LC	SFC92902K
THC	DIL-16/1C	LSTB	-55C/+125C	+5V	99MXMA	TTL	TTL	MC2902LM	SFC92902KM
THC	DIL-24/2P	LSTB	0C/+70C	+5V	105MXMA	TTL	TXOC/RXTS	AM2905DC	SFC92905E
THC	DIL-24/2C	LSTB	0C/+70C	+5V	105MXMA	TTL	TXOC/RXTS	MC2905LC	SFC92905K
THC	DIL-24/2C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TXOC/RXTS	MC2905LM	SFC92905KM
THC	DIL-24/2P	LSTB	0C/+70C	+5V	105MXMA	TTL	TXOC/RXOC	AM2906PC	SFC92906E
THC	DIL-24/2C	LSTB	0C/+70C	+5V	105MXMA	TTL	TXOC/RXOC	MC2906LC	SFC92906K
THC	DIL-24/2C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TXOC/RXOC	MC2906LM	SFC92906KM
THC	DIL-20/1P	LSTB	0C/+70C	+5V	110MXMA	TTL	TXOC/RXTS	AM2907PC	SFC92907E
THC	DIL-20/1C	LSTB	0C/+70C	+5V	110MXMA	TTL	TXOC/RXTS	MC2907LC	SFC92907K
THC	DIL-20/1C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TXOC/RXTS	MC2907LM	SFC92907KM
THC	DIL-28/2P	LSTB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2909PC	SFC92909E
THC	DIL-28/2C	LSTB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MC2909LC	SFC92909K
THC	DIL-28/2C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	MC2909LM	SFC92909KM
THC	DIL-40/2C	TTLB	0C/+70C	+5V		TTL	TTL	MC2910L	SFC92910K
THC	DIL-20/1P	LSTB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2911PC	SFC92911E
THC	DIL-20/1C	LSTB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MC2911LC	SFC92911K
THC	DIL-20/1C	LSTB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	MC2911LM	SFC92911KM
THC	DIL-20/1P	LSTB	0C/+70C	+5V		TTL	TTL/TS	AM2913DC	SFC92913E
THC	DIL-20/4C	LSTB	0C/+70C	+5V		TTL	TTL/TS	AM2913DC	SFC92913K
THC	DIL-20/4C	LSTB	-55C/+125C	+5V		TTL	TTL/TS	AM2913DM	SFC92913KM
THC	DIL-40/2P	LSTB	0C/+70C	+5V		TTL	TTL	AM2914PC	SFC92914E
THC	DIL-40/2C	LSTB	0C/+70C	+5V		TTL	TTL	AM2914DC	SFC92914K
THC	DIL-40/2C	LSTB	-55C/+125C	+5V		TTL	TTL	AM2914DC	SFC92914KM
THC	DIL-24/2P	LSTB	0C/+70C	+5V	90MXMA	TTL	TTL	AM2915APC	SFC92915AE
THC	DIL-24/2C	LSTB	0C/+70C	+5V	90MXMA	TTL	TTL	AM2915ADC	SFC92915AK
THC	DIL-24/2C	LSTB	-55C/+125C	+5V	90MXMA	TTL	TTL	AM2915ADM	SFC92915AKM
THC	DIL-24/2P	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	AM2916APC	SFC92916AE
THC	DIL-24/2C	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	AM2916ADC	SFC92916AK
THC	DIL-24/2P	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL	AM2916ADM	SFC92916AKM
THC	DIL-20/1P	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL	AM2917APC	SFC92917AE
THC	DIL-20/1C	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL	AM2917ADC	SFC92917AK

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
SFC92917AKM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
SFC92918E	DREGR	4-BIT	ONE-BY-ONE PORT REGISTER FOR 2900 FAM.	2900
SFC92918K	DREGR	4-BIT	ONE-BY-ONE PORT REGISTER FOR 2900 FAMILY (APP. B)	2900
SFC92918KM	DREGR	4-BIT	ONE-BY-ONE PORT REGISTER FOR 2900 FAMILY (APP. B)	2900
SFC92919E	DREGR	4-BIT	QUAD D-REG. WITH TWO 3-STATE OUTPUT PORTS/75MHZ CLOCK	2900
SFC92920E	DREGR	8-BIT	OCTAL D-TYPE FLIP-FLOP WITH CLEAR/8-BIT PARALLEL REG./40MHZ TYP.	2900
SFC92921E	DECDR	8-BIT	3-TO-8 LINE DECODER DEMULTIPLEXER/POL. CONTROL/12NS TYP. PROPN.	2900
SFC92922E	MUX	.	8-TO-1 LINE MUX./POLARITY CONTROL/12NS TYP. PROPN.	2900
SFC92930E	MEMCT	.	4-BIT ADDRESS CONTROLLER FOR MEMORIES/PROGRM CNTRL UNIT/32 INSTN	2900
SFC92930K	MEMCT	.	4-BIT ADDRESS CONTROLLER FOR MEMORIES/PROGRM CNTRL UNIT/32 INSTN	2900
SFC92930KM	MEMCT	.	4-BIT ADDRESS CONTROLLER FOR MEMORIES/PROGRM CNTRL UNIT/32 INSTN	2900
SFC92931E	MEMCT	.	4-BIT ADDRESS CONTROLLER FOR MEMORIES/PROGRM CNTRL UNIT/16 INSTN	2900
SFC92931K	MEMCT	.	4-BIT ADDRESS CONTROLLER FOR MEMORIES/PROGRM CNTRL UNIT/16 INSTN	2900
SFC92931KM	MEMCT	.	4-BIT ADDRESS CONTROLLER FOR MEMORIES/PROGRM CNTRL UNIT/16 INSTN	2900
SFC92932E	MEMCT	.	4-BIT ADDRESS CONTROLLER FOR MEMORIES/PROGRM CNTRL UNIT/16 INSTN	2900
SFC92932K	MEMCT	.	4-BIT ADDRESS CONTROLLER FOR MEMORIES/PROGRM CNTRL UNIT/16 INSTN	2900
SFC92932KM	MEMCT	.	4-BIT ADDRESS CONTROLLER FOR MEMORIES/PROGRM CNTRL UNIT/16 INSTN	2900
SFF717A08K	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 300NS/7X 3Y 1CS ADDRESS LINES	GEN. PURP.
SFF717A16K	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/6X 5Y 1CS ADD. LINES/150MW STANDBY	GEN. PURP.
SFF821L14E20	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF821L14E25	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF821L14E30	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF821L14E45	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF821L14K20	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF821L14K25	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF821L14K30	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF821L14K45	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF866L41K30	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SFF866L41K45	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SFF968A00E	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP.B)/1.5MHZ	6800
SFF968A00EV	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/1.5MHZ	6800
SFF968A00K	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/1.5MHZ	6800
SFF968A00KV	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/1.5MHZ	6800
SFF968A10E	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 68A00	6800
SFF968A10EV	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 68A00	6800
SFF968A10K	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 68A00	6800
SFF968A10KV	SRAM	8-BIT	1K=128X8/MAX. ACCESS 360NS/7 ADDRESS 6CS LINES/FOR 1.5MHZ 68A00	6800
SFF968A21E	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/1.5MHZ VERSION	6800
SFF968A21EV	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/1.5MHZ VERSION	6800
SFF968A21K	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/1.5	6800
SFF968A21KV	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/1.5MHZ VERSION	6800
SFF968A40E	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1.5MHZ VERSION	6800
SFF968A40EV	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1.5MHZ VERSION	6800
SFF968A40K	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1.5MHZ VERSION	6800
SFF968A40KV	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1.5MHZ VERSION	6800
SFF968A44E	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/1MHZ STANDARD	6800
SFF968A44EV	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/1.5MHZ VERSION	6800
SFF968A44K	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/1.5MHZ VERSION	6800
SFF968A44KV	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/1.5MHZ VERSION	6800
SFF968A50E	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1.5MHZ VERSION	6800
SFF968A50EV	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1.5MHZ VERSION	6800
SFF968A50K	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1.5MHZ VERSION	6800
SFF968A50KV	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1.5MHZ VERSION	6800
SFF968A52E	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSION	6800
SFF968A52EV	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSION	6800
SFF968A52K	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSION	6800
SFF968A52KV	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1.5MHZ VERSION	6800
SFF968A54E	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
SFF968A54EV	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
SFF968A54K	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
SFF968A54KV	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1.5MHZ CLOCK FREQUENCY	6800
SFF968A316EE	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	6800
SFF968A316EC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	6800
SFF968B00E	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/2MHZ	6800
SFF968B00K	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/2MHZ	6800
SFF968B10E	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	6800
SFF968B10K	SRAM	8-BIT	1K=128X8/MAX. ACCESS 250NS/7 ADDRESS 6CS LINES/FOR 2MHZ 68B00	6800
SFF968B21E	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/2MHZ VERSION	6800
SFF968B21K	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/2MHZ VERSION	6800
SFF968B40E	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./2MHZ VERSION	6800
SFF968B40K	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./2MHZ VERSION	6800
SFF968B44E	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/2MHZ VERSION	6800
SFF968B44K	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/2MHZ VERSION	6800
SFF968B50E	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/2MHZ VERSION	6800
SFF968B50K	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/2MHZ VERSION	6800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
THC	DIL-20/1C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL	AM2917ADM	SFC92917AKM
THC	DIL-16/1P	LSTB	0C/+70C	+5V	120MXMA	TTL	TTL+TS	AM2918PC	SFC92918E
THC	DIL-16/1C	LSTB	0C/+70C	+5V	120MXMA	TTL	TTL+TS	AM2918DC	SFC92918K
THC	DIL-16/1C	LSTB	-55C/+125C	+5V	120MXMA	TTL	TTL+TS	AM2918DM	SFC92918KM
THC	DIL-20/1P	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS+TS	AM2919DC	SFC92919E
THC	DIL-22/4P	LSTB	0C/+70C	+5V		TTL	TTL/TS		SFC92920E
THC	DIL-20/1P	LSTB	0C/+70C	+5V		TTL	TTL/TS	AM2921PC	SFC92921E
THC	DIL-20/1P	LSTB	0C/+70C	+5V		TTL	TTL/TS	AM2922PC	SFC92922E
THC	DIL-28/2P	LSTB	0C/+70C	+5V		TTL	TTL	AM2930PC	SFC92930E
THC	DIL-28/2C	LSTB	0C/+70C	+5V		TTL	TTL	AM2930DC	SFC92930K
THC	DIL-28/2C	LSTB	-55C/+125C	+5V		TTL	TTL	AM2930DM	SFC92930KM
THC	DIL-20/1P	LSTB	0C/+70C	+5V		TTL	TTL	AM2931PC	SFC92931E
THC	DIL-20/1C	LSTB	0C/+70C	+5V		TTL	TTL	AM2931DC	SFC92931K
THC	DIL-20/1C	LSTB	-55C/+125C	+5V		TTL	TTL	AM2931DM	SFC92931KM
THC	DIL-20/1P	LSTB	0C/+70C	+5V		TTL	TTL	AM2932PC	SFC92932E
THC	DIL-20/1C	LSTB	0C/+70C	+5V		TTL	TTL	AM2932DC	SFC92932K
THC	DIL-20/1C	LSTB	-55C/+125C	+5V		TTL	TTL	AM2932DM	SFC92932KM
THC	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	MM2708Q-1	SFF717A08K
THC	DIL-24/2Q	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	B2716-1	SFF717A16K
THC	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	P2114L-2	SFF821L14E20
THC	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	P2114L-2	SFF821L14E25
THC	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	P2114L-3	SFF821L14E30
THC	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	P2114L	SFF821L14E45
THC	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2114L-2	SFF821L14K20
THC	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2114L-2	SFF821L14K25
THC	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2114L-3	SFF821L14K30
THC	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	D2114L	SFF821L14K45
THC	DIL-18/1C	NMOS	0C/+70C	+5V	77MXMA	TTL	TTL/TS	D2141L-3	SFF866L41K30
THC	DIL-18/1C	NMOS	0C/+70C	+5V	77MXMA	TTL	TTL/TS	D2141L-3	SFF866L41K45
THC	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MC68A00L	SFF968A00E
THC	DIL-40/2P	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL/TS	MC68A00CP	SFF968A00EV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MC68A00L	SFF968A00K
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	1MXW	TTL	TTL/TS	MC68A00CL	SFF968A00KV
THC	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68A10P	SFF968A10E
THC	DIL-24/2P	NMOS	-40C/+85C	+5V	100MXMA	TTL	TTL/TS	F68A10CP	SFF968A10EV
THC	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68A10L	SFF968A10K
THC	DIL-24/2C	NMOS	-40C/+85C	+5V	100MXMA	TTL	TTL/TS	MCM68A10CL	SFF968A10KV
THC	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68A21P	SFF96A21E
THC	DIL-40/2P	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL/TS	F68A21CP	SFF968A21EV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68A21L	SFF968A21K
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL/TS	F68A21CL	SFF968A21KV
THC	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	F68A40P	SFF968A40E
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL	F68A40CL	SFF968A40EV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	F68A40L	SFF968A40K
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL	F68A40ML	SFF968A40KV
THC	DIL-40/2P	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL		SFF968A44E
THC	DIL-40/2P	NMOS	-40C/+85C	+5V	500TPMW	TTL	TTL		SFF968A44EV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL		SFF968A44K
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	500TPMW	TTL	TTL		SFF968A44KV
THC	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	F68A50P	SFF968A50E
THC	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	F68A50CP	SFF968A50EV
THC	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	F68A50P	SFF968A50K
THC	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	F68A50ML	SFF968A50KV
THC	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68A52P	SFF968A52E
THC	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC68A52CP	SFF968A52EV
THC	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68A52L	SFF968A52K
THC	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC68A52CL	SFF968A52KV
THC	DIL-40/2P	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68A54P	SFF968A54E
THC	DIL-40/2P	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC6854CP	SFF968A54EV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68A54L	SFF968A54K
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC68A54L	SFF968A54KV
THC	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM68A316EP	SFF968A316EE
THC	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM68A316EC	MCM68A316EC
THC	DIL-40/2P	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MC68B00L	SFF968B00E
THC	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL/TS	MC68B00L	SFF968B00K
THC	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM68B10P	SFF968B10E
THC	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	F68B10L	SFF968B10K
THC	DIL-20/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68B21P	SFF968B21E
THC	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC68B21L	SFF968B21K
THC	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	F68B40P	SFF968B40E
THC	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	F68B40L	SFF968B40K
THC	DIL-40/2P	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL		SFF968B44E
THC	DIL-40/2P	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL		SFF968B44K
THC	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	F68B50P	SFF968B50E
THC	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	F68B50L	SFF968B50K

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
SFF968B52E	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./2MHZ VERSION	6800
SFF968B52K	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./2MHZ VERSION	6800
SFF968B54E	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/2MHZ CLOCK FREQUENCY	6800
SFF968B54K	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/2MHZ CLOCK FREQUENCY	6800
SFF70708E	PROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/7X 3Y 1CS ADDRESS LINES	GEN. PURP.
SFF70708K	PROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/7X 3Y 1CS ADDRESS LINES	GEN. PURP.
SFF70714E	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS	GEN. PURP.
SFF70714K	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS	GEN. PURP.
SFF71702-AK	EPROM	8-BIT	2K=256X8/MAX. ACCESS 1uS/8 ADDRESS, 1CS LINES	GEN. PURP.
SFF71702-AKT	EPROM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS, 1CS LINES	GEN. PURP.
SFF71708K	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/7X 3Y 1CS ADDRESS LINES	GEN. PURP.
SFF71716K	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CS ADD. LINES/150MW STANDBY	GEN. PURP.
SFF80102E	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
SFF80102K	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
SFF80112E	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
SFF81104E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X MULTIPLEXED 1CS ADDRESS LINES	GEN. PURP.
SFF81104K	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X MULTIPLEXED 1CS ADDRESS LINES	GEN. PURP.
SFF81104-2E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X MULTIPLEXED 1CS ADDRESS LINES	GEN. PURP.
SFF81104-2K	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X MULTIPLEXED 1CS ADDRESS LINES	GEN. PURP.
SFF81104-4E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X MULTIPLEXED 1CS ADDRESS LINES	GEN. PURP.
SFF81104-4K	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X MULTIPLEXED 1CS ADDRESS LINES	GEN. PURP.
SFF82114E20	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF82114E25	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF82114E30	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF82114E45	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF82114K20	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SFF82114K25	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF82114K30	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF82114K45	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
SFF84116K15	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX. ADDRESS LINES/20MW STANDBY	GEN. PURP.
SFF84116K20	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDRESS LINES/20MW STANDBY	GEN. PURP.
SFF84116K25	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX. ADDRESS LINES/20MW STANDBY	GEN. PURP.
SFF84116K30	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 MUX. ADDRESS LINES/20MW STANDBY	GEN. PURP.
SFF86641K20	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SFF86641K25	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SFF86641K30	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SFF86641K45	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SFF96364AE	CRTC	8-BIT	TV CRT CONTROLLER/SIXTEEN 64-CHAR. LINE DISPLAY/625 LINE 50HZ	6800
SFF96364AK	CRTC	8-BIT	TV CRT CONTROLLER/SIXTEEN 64-CHAR. LINE DISPLAY/625 LINE 50HZ	6800
SFF96364BE	CRTC	8-BIT	TV CRT CONTROLLER/SIXTEEN 64-CHAR. LINE DISPLAY/525 LINE 60HZ	6800
SFF96364BK	CRTC	8-BIT	TV CRT CONTROLLER/SIXTEEN 64-CHAR. LINE DISPLAY 525 LINE 60HZ	6800
SFF96501E	MODEM	8-BIT	LOW SPEED MODEM/300 BAUD/FSK/HALF AND FULL DUPLEX/CCIT COMPAT.	6800
SFF96501K	MODEM	8-BIT	LOW POWER MODEM/300 BAUD/FSK/HALF AND FULL DUPLEX/CCIT COMPAT.	6800
SFF96800E	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/1MHZ	6800
SFF96800EV	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/1MHZ	6800
SFF96800K	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAMILY (APP. B)/1MHZ	6800
SFF96800KM	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/1MHZ	6800
SFF96800KV	MPU	8-BIT	CENTRAL CONTROL MICROPROCESSOR OF 6800 FAM. (APP. B)/1MHZ	6800
SFF96801E	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 128X8 RAM- 2048X8 ROM- 34 IO LINES	6801
SFF96801K	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 128X8 RAM- 2048X8 ROM- 34 IO LINES	6801
SFF96802K	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHP SYSTEM	6802
SFF96802E	MPU	8-BIT	MPU WITH ON-CHIP RAM AND CLOCK OSC./WITH 6846 GIVES 2-CHP SYSTEM	6802
SFF96803E	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 128X8 RAM- 34 IO/ROMLESS 6801/INT. CLK	6801
SFF96803K	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INT. 128X8 RAM- 34 IO/ROMLESS 6801/INT. CLK	6801
SFF96808E	MPU	8-BIT	CPU OF 6800 FAM./ON-CHIP-CLOCK VERSION OF 6800	6800
SFF96808K	MPU	8-BIT	CPU OF 6800 FAM./ON-CHIP-CLOCK VERSION OF 6800	6800
SFF96810AE	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES	6800
SFF96810AK	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES	6800
SFF96810E	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
SFF96810EV	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
SFF96810K	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
SFF96810KM	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
SFF96810KV	SRAM	8-BIT	1K=128X8/MAX. ACCESS 450NS/7 ADDRESS 6CS LINES/FOR 1MHZ 6800	6800
SFF96820E	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAMILY (APP. B)	6800
SFF96820K	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER FOR 6800 FAMILY (APP. B)	6800
SFF96821E	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/BASIC 1MHZ VERSION	6800
SFF96821EV	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/BASIC 1MHZ VERSION	6800
SFF96821K	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/BASIC 1MHZ VERSION	6800
SFF96821KM	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/BASIC 1MHZ VERSION	6800
SFF96821KV	PIA	8-BIT	PERIPHERAL INTERFACE ADAPTER/BASIC 1MHZ VERSION	6800
SFF96828E	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER	6800
SFF96828K	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER	6800
SFF96830AE	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 4CS LINES	6800
SFF96830AK	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 4CS LINES	6800
SFF96830K7	MROM	8-BIT	MIKBUG/DIAGNOSTIC DEBUG PROGRAM AND SYSTEM MONITOR/MINIBUG 1	6800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
THC	DIL-24/2P	NMOS	0C/+75C	+5V	525MXMW	TTL	TTL/TS	MC68B52P	SFF968B52E
THC	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC68B52L	SFF968B52K
THC	DIL-40/2P	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68B54P	SFF968B54E
THC	DIL-40/2C	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC68B54L	SFF968B54K
THC	DIL-24/2P	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	P2708	SFF70708E
THC	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	C2708	SFF70708K
THC	DIL-24/2P	NMOS	0C/+70C	+5V		TTL	TTL/TS	SFF70714K	SFF70714E
THC	DIL-24/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS	SFF70714E	SFF70714K
THC	DIL-24/2Q	PMOS	0C/+70C	-9V/-9V/+5V	50MXMA	TTL	TTL/TS	B1702A	SFF71702-AK
THC	DIL-24/2Q	PMOS	-25C/+85C	-9V/-9V/+5V	50MXMA	TTL	TTL/TS		SFF71702-AKT
THC	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708	SFF71708K
THC	DIL-24/2Q	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	B2716	SFF71716K
THC	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A-4	SFF80102E
THC	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A-4	SFF80102K
THC	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A-4	SFF80112E
THC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	D2104A	SFF81104E
THC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	D2104A	SFF81104K
THC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	D2104A-2	SFF81104-2E
THC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	D2104A-2	SFF81104-2K
THC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	D2104A-4	SFF81104-4E
THC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	D2104A-4	SFF81104-4K
THC	DIL-18/1P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	P2114-2	SFF82114E20
THC	DIL-18/1P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	P2114-2	SFF82114E25
THC	DIL-18/1P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	P2114-3	SFF82114E30
THC	DIL-18/1P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	P2114	SFF82114E45
THC	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2114-2	SFF82114K20
THC	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2114-2	SFF82114K25
THC	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2114-3	SFF82114K30
THC	DIL-18/1C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2114	SFF82114K45
THC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MK4116J-2	SFF84116K15
THC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MK4116J-3	SFF84116K20
THC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MCM4116C-25	SFF84116K25
THC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MCM4116C-30	SFF84116K30
THC	DIL-18/1C	NMOS	0C/+70C	+5V	110MXMA	TTL	TTL/TS	D2141-4	SFF86641K20
THC	DIL-18/1C	NMOS	0C/+70C	+5V	110MXMA	TTL	TTL/TS	D2141-5	SFF86641K25
THC	DIL-18/1C	NMOS	0C/+70C	+5V	110MXMA	TTL	TTL/TS	D2141-4	SFF86641K30
THC	DIL-18/1C	NMOS	0C/+70C	+5V	110MXMA	TTL	TTL/TS	D2141-5	SFF86641K45
THC	DIL-28/2P	NMOS	0C/+70C	+5V		TTL	TTL		SFF96364AE
THC	DIL-28/2C	NMOS	0C/+70C	+5V		TTL	TTL		SFF96364AK
THC	DIL-28/2P		0C/+70C	+5V		TTL	TTL		SFF96364BE
THC	DIL-28/2C	NMOS	0C/+70C	+5V		TTL	TTL		SFF96364BK
THC	DIL-16/1P	CMOS	0C/+70C	+3V TO +15V		CMOS	CMOS		SFF96501E
THC	DIL-16/1C	CMOS	0C/+70C	+3V TO +15V		CMOS	CMOS		SFF96501K
THC	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL/TS	MC6800P	SFF96800E
THC	DIL-40/2P	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL/TS	MC6800CP	SFF96800EV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL/TS	MC6800L	SFF96800K
THC	DIL-40/2C	NMOS	-55C/+125C	+5V	1.2MXW	TTL	TTL/TS	MC6800BQCS	SFF96800KM
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	1.2MXW	TTL	TTL/TS	MC6800CL	SFF96800KV
THC	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	MC6801P	SFF96801E
THC	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC6801L	SFF96801K
THC	DIL-40/2C	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	MC6802L	SFF96802K
THC	DIL-40/2P	NMOS	0C/+70C	+5V	1.2MXW	TTL	TTL	MC6802P	SFF96802E
THC	DIL-40/2P	NMOS	0C/+70C	+5V				MC6803P	SFF96803E
THC	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	MC6803L	SFF96803K
THC	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL/TS		SFF96808E
THC	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS		SFF96808K
THC	DIL-24/2P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MCM6810P	SFF96810AE
THC	DIL-24/2C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MCM6810L	SFF96810AK
THC	DIL-24/2P	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM6810P	SFF96810E
THC	DIL-24/2P	NMOS	-40C/+85C	+5V	100MXMA	TTL	TTL/TS	MCM6810CL	SFF96810EV
THC	DIL-24/2C	NMOS	0C/+70C	+5V	80MXMA	TTL	TTL/TS	MCM6810L	SFF96810K
THC	DIL-24/2C	NMOS	-55C/+125C	+5V	100MXMA	TTL	TTL/TS	MCM6810BJCS	SFF96810KM
THC	DIL-24/2C	NMOS	-40C/+85C	+5V	100MXMA	TTL	TTL/TS	MCM6810CL	SFF96810KV
THC	DIL-40/2P	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MC6820P	SFF96820E
THC	DIL-40/2C	NMOS	0C/+70C	+5V	650MXMW	TTL	TTL/TS	MC6820L	SFF96820K
THC	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC6821P	SFF96821E
THC	DIL-40/2P	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL/TS	F6821ML	SFF96281EV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	MC6821L	SFF96821K
THC	DIL-40/2C	NMOS	-55C/+125C	+5V	550MXMW	TTL	TTL/TS	F6821ML	SFF96821KM
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL/TS	F6821ML	SFF96821KV
THC	DIL-24/2P	TTLB	0C/+70C	+5V	125MXMA	TTL	TTL	MC6828P	SFF96828E
THC	DIL-20/2P	TTLB	0C/+70C	+5V	125MXMA	TTL	TTL	MC6828L	SFF96828K
THC	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM6830AP	SFF96830AE
THC	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM6830AL	SFF96830AK
THC	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM6830L7	SFF96830K7

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
SFF96830-7E	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 4CS LINES/DEDCTD. MIKBUG	6800
SFF96830-7K	MROM	8-BIT	8K=1024X8/MAX. ACCESS 500NS/10 ADDRESS 4CS LINES/DEDCTD. MIKBUG	6800
SFF96832E	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/7X 4Y 3CS ADDRESS LINES	6800
SFF96832K	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/7X 4Y 3CS ADDRESS LINES	6800
SFF96832-91E	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/DEDICATED UNIVERSAL CODE CONVERTER	6800
SFF96832-91K	MROM	8-BIT	16K=2048X8/MAX. ACCESS 500NS/DEDICATED UNIVERSAL CODE CONVERTER	6800
SFF96840E	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1MHZ STANDARD	6800
SFF96840EV	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1MHZ STANDARD	6800
SFF96840K	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1MHZ STANDARD	6800
SFF96840KM	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1MHZ STANDARD	6800
SFF96840KV	PTM	8-BIT	PROGRAMMABLE TIMER FOR 6800 FAM./1MHZ STANDARD	6800
SFF96843E	FLPDC	8-BIT	FLOPPY DISK CONTROLLER/IBM3740 FORMAT	6800
SFF96843K	FLPDC	8-BIT	FLOPPY DISK CONTROLLER/IBM3740 FORMAT	6800
SFF96844E	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/1MHZ STANDARD	6800
SFF96844EV	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/1MHZ STANDARD	6800
SFF96844K	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/1MHZ STANDARD	6800
SFF96844KM	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/1MHZ STANDARD	6800
SFF96844KV	DMAC	8-BIT	DIRECT MEMORY ACCESS CONTROLLER/1MHZ STANDARD	6800
SFF96846K1	ROMIO	8-BIT	COMBINATION ROM,I-O PORT AND TIMER-COUNTER/COMPLEMENTS 6802 MPU	6802
SFF96850E	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAMILY(APP.B)	6800
SFF96850EV	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1MHZ STANDARD	6800
SFF96850K	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER 6800 FAMILY(APP.B)	6800
SFF96850KM	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1MHZ STANDARD	6800
SFF96850KV	ACIA	8-BIT	ASYNCHRONOUS COMMUNICATIONS INTERFACE ADAPTER/1MHZ STANDARD	6800
SFF96852E	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSION	6800
SFF96852EV	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSION	6800
SFF96852K	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAMILY	6800
SFF96852KM	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSION	6800
SFF96852KV	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSION	6800
SFF96854E	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
SFF96854EV	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
SFF96854K	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
SFF96854KM	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
SFF96854KV	SDLC	8-BIT	ADVANCED DATA LINK CONTROLLER/1MHZ CLOCK FREQUENCY	6800
SFF96862E	SPECL	8-BIT	2400 BPS DIGITAL MODULATOR FOR 6800 FAMILY (APP. B)	6800
SFF96862K	SPECL	8-BIT	2400 BPS DIGITAL MODULATOR FOR 6800 FAMILY (APP. B)	6800
SFF96870A	CLOCK	.	CLOCK FOR 6800 FAMILY (APP. B)/LIMITED FUNCTION	6800
SFF96871A	CLOCK	.	CLOCK FOR 6800 FAMILY (APP. B)/FULL FUNCTION INC. MEMORY CLOCK	6800
SFF96871A1	CLOCK	.	CLOCK FOR 6800 FAM./1.5MHZ VERSN./FULL FUNCN. INC. MEMORY CLOCK	6800
SFF96871AZ	CLOCK	.	CLOCK FOR 6800 FAM./1.5MHZ VERSN./FULL FUNCN. INC. MEMORY CLOCK	6800
SFF96871B	CLOCK	.	CLOCK FOR 6800 FAMILY (APP. B)/ALTERNATE FUNCTION	6800
SFF96875E	CLOCK	.	2-PHASE CLOCK GENERATOR-DRIVER/2MHZ FREQUENCY	6800
SFF96875K	CLOCK	.	2-PHASE CLOCK GENERATOR-DRIVER/2MHZ FREQUENCY	6800
SFF96880AE	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER/MAX. DELAY 14NS	6800
SFF96880AK	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER/MAX. DELAY 14NS	6800
SFF96880AKM	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER/MAX. DELAY 14NS	6800
SFF96880AKV	TRCVR	4-BIT	QUAD 3-STATE BUS TRANSCEIVER/MAX. DELAY 14NS	6800
SFF96881E	EXPIO	8-BIT	TRIPLE BI-DIRECTIONAL BUS EXTENDER SWITCH	6800
SFF96881K	EXPIO	8-BIT	TRIPLE BI-DIRECTIONAL BUS EXTENDER SWITCH	6800
SFF96882AE	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 8NS	6800
SFF96882AK	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 8NS	6800
SFF96882BE	LATCH	8-BIT	OCTAL 3-STATE BUFFER-LATCH/TYP. DELAY 8NS	6800
SFF96882BK	LATCH	8-BIT	OCTAL 3-STATE BUFFER LATCH/TYP. DELAY 8NS	6800
SFF96885E	BUFFR	8-BIT	HEX. 3-STATE BUFFER/NON-INV./MAX. DELAY 12NS	6800
SFF96885K	BUFFR	8-BIT	HEX. 3-STATE BUFFER/NON-INV./MAX. DELAY 12NS	6800
SFF96886E	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
SFF96886K	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
SFF96887E	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/NON-INV./MAX. DELAY 12NS	6800
SFF96887K	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/NON-INV./MAX. DELAY 12NS	6800
SFF96888E	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
SFF96888K	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
SFF96889E	TRCVR	4-BIT	NON-INVERTING 3-STATE BUS TRANSCEIVER	6800
SFF96889K	TRCVR	4-BIT	NON-INVERTING 3-STATE BUS TRANSCEIVER	6800
SFF968488K	IFACE	8-BIT	GENERAL PURPOSE INTERFACE ADAPTER (IEEE 488 BUS TO MO6800 BUS)	6800
SL31116			SEE F3852/SL31116	
SMC4030JR	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS LINES	GEN. PURP.
SMC4050JR	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS LINES	GEN. PURP.
SMC4060JR	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS LINES	GEN. PURP.
SN54LS147J	CDCVR	4-BIT	10-LINE-DECIMAL TO 4-LINE-BCD PRIORITY ENCODER/TYP. DELAY 15NS	9900
SN54LS147W	CDCVR	4-BIT	10-LINE-DECIMAL TO 4-LINE-BCD PRIORITY ENCODER/TYP. DELAY 15NS	9900
SN54LS148J	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 15NS	9900
SN54LS148W	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 15NS	9900
SN54LS200AJ	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
SN54LS200AW	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
SN54LS202J	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/8 ADDRESS 3CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
THC	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM6830AP	SFF96830-7E
THC	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM6830AL	SFF96830-7K
THC	DIL-24/2P	NMOS	0C/+70C	-5V/+5V/+12V	45MXMA	TTL	TTL/TS	MCM6832P	SFF96832E
THC	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	45MXMA	TTL	TTL/TS	MCM6832L	SFF96832K
THC	DIL-24/2P	NMOS	0C/+70C	-5V/+5V/+12V	45MXMA	TTL	TTL/TS	MCM6832P	SFF96832-91E
THC	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	45MXMA	TTL	TTL/TS	MCM6832L	SFF96832-91K
THC	DIL-40/2P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	MC6840P	SFF96840E
THC	DIL-40/2P	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL	F6840CP	SFF96840EV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL	MC6840L	SFF96840K
THC	DIL-40/2C	NMOS	-55C/+125C	+5V	550MXMW	TTL	TTL	F6840ML	SFF96840KM
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	550MXMW	TTL	TTL	F6840CL	SFF96840KV
THC	DIL-40/2P	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL	MC6843P	SFF96843E
THC	DIL-40/2C	NMOS	0C/+70C	+5V	400TPMW	TTL	TTL	MC6843L	SFF96843K
THC	DIL-40/2P	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL	MC6844P	SFF96844E
THC	DIL-40/2P	NMOS	-40C/+85C	+5V	500TPMW	TTL	TTL	MC6844P	SFF96844EV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	500TPMW	TTL	TTL	MC6844L	SFF96844K
THC	DIL-40/2C	NMOS	-55C/+125C	+5V	500TPMW	TTL	TTL	MC6844L	SFF96844KM
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	500TPMW	TTL	TTL	MC6844L	SFF96844KV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	1MXW	TTL	TTL	F68B46P	SFF96846K1
THC	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6850P	SFF96850E
THC	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC6850CP	SFF9650EV
THC	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6850L	SFF96850K
THC	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS	MC6850CL	SFF96850KM
THC	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC6850CL	SFF96850KV
THC	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6852P	SFF96852E
THC	DIL-24/2P	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC6852CL	SFF96852EV
THC	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6852L	SFF96852K
THC	DIL-24/2C	NMOS	-55C/+125C	+5V	525MXMW	TTL	TTL/TS	F6852ML	SFF96852KM
THC	DIL-24/2C	NMOS	-40C/+85C	+5V	525MXMW	TTL	TTL/TS	MC6852CL	SFF96852KV
THC	DIL-40/2P	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC6854P	SFF96854E
THC	DIL-40/2P	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC6854L	SFF96854EV
THC	DIL-40/2C	NMOS	0C/+70C	+5V	850MXMW	TTL	TTL	MC6854L	SFF96854K
THC	DIL-40/2C	NMOS	-55C/+125C	+5V	850MXMW	TTL	TTL	F6854ML	SFF96854KM
THC	DIL-40/2C	NMOS	-40C/+85C	+5V	850MXMW	TTL	TTL	MC6854CL	SFF96854KV
THC	DIL-24/2P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL	MC6862P	SFF96862E
THC	DIL-24/2C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL	MC6862L	SFF96862K
THC	DIM-10/2M	NMOS	0C/+70C	+5V	100MXMA		NMOS+TTL	MC6870A	SFC96870A
THC	DIM-10	STLB	0C/+70C	+5V	100MXMA		MOS+TTL	MC6871A	SFF96871A
THC	DIM-10	STLB	0C/+70C	+5V	100MXMA		MOS+TTL	MC6871A	SFF96871A1
THC	DIM-10	STLB	0C/+70C	+5V	100MXMA		MOS+TTL	MC6871B	SFF96871A2
THC	DIM-10	STLB	0C/+70C	+5V	100MXMA		MOS+TTL	MC6871B	SFF96871B
THC	DIL-16/1P	STLB	0C/+70C	+5V	150MXMA		TTL	MC6875P	SFF96875E
THC	DIL-16/1C	STLB	0C/+70C	+5V	150MXMA		TTL	MC6875L	SFF96875K
THC	DIL-16/1P	STLB	0C/+70C	+5V	87MXMA	TTL	TTL/TS	MC6880AP	SFF96880AE
THC	DIL-16/1C	STLB	0C/+70C	+5V	87MXMA	TTL	TTL/TS	MC6880AL	SFF96880AK
THC	DIL-16/1C	STLB	-55C/+125C	+5V	87MXMA	TTL	TTL/TS		SFF96880AKM
THC	DIL-16/1C	STLB	-40C/+85C	+5V	87MXMA	TTL	TTL/TS		SFF96880AKV
THC	DIL-16/1P	STLB	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MC6881P	SFF96881E
THC	DIL-16/1C	STLB	0C/+70C	+5V	70MXMA	TTL	TTL/TS	MC6881L	SFF96881K
THC	DIL-20/1P	STLB	0C/+70C	+5V	125MXMA	TTL	TTL/TS	MC6882AP	SFF96882AE
THC	DIL-20/1C	STLB	0C/+70C	+5V	125MXMA	TTL	TTL/TS	MC6882AL	SFF96882AK
THC	DIL-20/1B	STLB	0C/+70C	+5V	125MXMA	TTL	TTL/TS	MC6882BP	SFF96882BE
THC	DIL-20/1	STLB	0C/+70C	+5V	125MXMA	TTL	TTL/TS	MC6882BL	SFF96882BK
THC	DIL-16/1P	STLB	0C/+70C	+5V	98MXMA	TTL	TTL/TS	MC6885P	SFF96885E
THC	DIL-16/1C	STLB	0C/+70C	+5V	98MXMA	TTL	TTL/TS	MC6885L	SFF96885K
THC	DIL-16/1P	STLB	0C/+7/C	+5V	89MXMA	TTL	TTL/TS	MC6886P	SFF96886E
THC	DIL-16/1C	STLB	0C/+70C	+5V	89MXMA	TTL	TTL/TS	MC6886L	SFF96886K
THC	DIL-16/1P	STLB	0C/+70C	+5V	98MXMA	TTL	TTL/TS	MC6887P	SFF96887E
THC	DIL-16/1C	STLB	0C/+70C	+5V	98MXMA	TTL	TTL/TS	MC6887L	SFF96887K
THC	DIL-16/1P	STLB	0C/+70C	+5V	89MXMA	TTL	TTL/TS	MC6888P	SFF96888E
THC	DIL-16/1C	STLB	0C/+70C	+5V	89MXMA	TTL	TTL/TS	MC6888L	SFF96888K
THC	DIL-16/1P	STLB	0C/+70C	+5V	87MXMA	TTL	TTL/TS	MC6889P	SFF96889E
THC	DIL-16/1C	STLB	0C/+70C	+5V	87MXMA	TTL	TTL/TS	MC6889L	SFF96889K
THC	DIL-40/2C	NMOS	0C/+70C	+5V	600TPMW	TTL	TTL	MC68488L	SFF968488K
FAS									SL31116
TII	DIL-22/4C	NMOS	-55C/+85C	-5V/+5V/+12V	80MXMA	TTL	TTL	TMS4030JR	SMC4030JR
TII	DIL-18/1C	NMOS	-55C/+85C	-5V/+5V/+12V	80MXMA	TTL	TTL	TMS4050JR	SMC4050JR
TII	DIL-22/4C	NMOS	-55C/+85C	-5V/+5V/+12V	80MXMA	TTL	TTL	MD2107C	SMC4060JR
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	60TPMW	TTL	TTL		SN54LS147J
TII	FLP-16/3C	LSTB	-55C/+125C	+5V	60TPMW	TTL	TTL		SN54LS147W
TII	DIL-16/1C	STLB	-55C/+125C	+5V	60TPMW	TTL	TTL		SN54LS148J
TII	FLP-16/3C	STLB	-55C/+125C	+5V	60TPMW	TTL	TTL		SN54LS148W
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	55TPMA	TTL	TTL/TS		SN54LS200AJ
TII	FLP-16/3C	LSTB	-55C/+125C	+5V	55TPMA	TTL	TS		SN54LS200AW
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	55TPMA	TTL	TTL/TS		SN54LS202J

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
SN54LS202W	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/8 ADDRESS 3CS LINES	GEN. PURP.
SN54LS207J	SRAM	4-BIT	1K=256X4/TYP. ACCESS 75NS/8 ADDRESS LINES	GEN. PURP.
SN54LS208J	SRAM	4-BIT	1K=256X4 /TYP. ACCESS 75NS/8 ADDRESS LINES	GEN. PURP.
SN54LS214J	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 110NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN54LS215J	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 65NS/10 ADDRESS LINES	GEN. PURP.
SN54LS251J	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/17NS TYP. DELAY	GEN. PURP.
SN54LS251W	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/17NS TYP. DELAY	GEN. PURP.
SN54LS259J	LATCH	8-BIT	ADDRESSABLE LATCH/TYP. PROPN. DELAY 20NS	GEN. PURP.
SN54LS259W	LATCH	8-BIT	ADDRESSABLE LATCH/TYP. PROPN. DELAY 20NS	GEN. PURP.
SN54LS300AJ	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/8 ADDRESS 3CS LINES	GEN. PURP.
SN54LS300AW	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/8 ADDRESS 3CS LINES	GEN. PURP.
SN54LS302J	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/8 ADDRESS 3CS LINES	GEN.PURP.
SN54LS302W	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/8 ADDRESS 3CS LINES	GEN. PURP.
SN54LS314J	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 110NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN54LS315J	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 65NS/10 ADDRESS LINES	GEN. PURP.
SN54LS348J	CDCVR	8/3BIT	8-LINE TO 3-LINE PRIORITY ENCODER	GEN. PURP.
SN54LS348W	CDCVR	8/3BIT	8-LINE TO 3-LINE PRIORITY ENCODER	GEN. PURP.
SN54LS362J	CLOCK	.	4-PHASE CLOCK GENERATOR-DRIVER FOR 9900 FAMILY/EQVT. TO TIM9904	9900
SN54LS362W	CLOCK	.	4-PHASE CLOCK GENERATOR-DRIVER FOR 9900/EQVT. TO TIM9904	9900
SN54S188J	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN54S188W	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN54S189J	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS,1CE LINES	GEN. PURP.
SN54S189W	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS,1CE LINES	GEN. PURP.
SN54S200AJ	SRAM	1-BIT	256=256X1/TYP. ACCESS 25NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
SN54S200AW	SRAM	1-BIT	256=256X1/TYP. ACCESS 25NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
SN54S201J	SRAM	1-BIT	256=256X1/MAX. ACCESS 85NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN54S201W	SRAM	1-BIT	256=256X1/MAX. ACCESS 85NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN54S207J	SRAM	4-BIT	1K=1024X1/MAX. ACCESS 70NS/8 ADDRESS LINES	GEN. PURP.
SN54S207W	SRAM	4-BIT	1K=1024X1/MAX. ACCESS 70NS/8 ADDRESS LINES	GEN. PURP.
SN54S208J	SRAM	4-BIT	1K=1024X1/MAX. ACCESS 70NS/8 ADDRESS LINES/SEP. DATA I-O PORTS	GEN. PURP.
SN54S214J	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN54S240J	BUFFR	8-BIT	OCTAL BUFFER-LINE DRIVER/INVERTING	GEN. PURP.
SN54S241J	BUFFR	8-BIT	OCTAL BUFFER-LINE DRIVER/NON-INVERTING	GEN. PURP.
SN54S251J	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/8NS TYP. DELAY	GEN. PURP.
SN54S251W	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/8NS TYP DELAY	GEN. PURP.
SN54S270J	MROM	4-BIT	2K=512X4/MAX. ACCESS 95NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN54S271J	MROM	8-BIT	2K=256X8/MAX. ACCESS 95NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
SN54S287J	PROM	4-BIT	1K=256X4/MAX. ACCESS 75NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN54S287W	EPROM	4-BIT	1K=256X4/MAX. ACCESS 75NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN54S288J	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN54S288W	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN54S289J	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS,1CE LINES	GEN. PURP.
SN54S289W	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS,1CE LINES	GEN. PURP.
SN54S300AJ	SRAM	1-BIT	256=256X1/TYP. ACCESS 25NS/8 ADDRESS 3CS LINES	GEN. PURP.
SN54S300AW	SRAM	1-BIT	256=256X1/TYP. ACCESS 25NS/8 ADDRESS 3CS LINES	GEN. PURP.
SN54S301J	SRAM	1-BIT	256=256X1/MAX. ACCESS 85NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN54S301W	SRAM	1-BIT	256=256X1/MAX. ACCESS 85NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN54S314J	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN54S370J	MROM	4-BIT	2K=512X4/MAX. ACCESS 95NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN54S371J	MROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
SN54S387J	PROM	4-BIT	1K=256X4/MAX. ACCESS 75NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN54S387W	PROM	4-BIT	1K=256X4/MAX. ACCESS 75NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN54S470J	PROM	8-BIT	2K=256X8/MAX. ACCESS 80NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN54S471J	PROM	8-BIT	2K=256X8/MAX. ACCESS 80NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN54S472J	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN54S473J	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN54S474J	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 4CS LINES	GEN. PURP.
SN54S474W	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 4CS LINES	GEN. PURP.
SN54S475J	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 4CS LINES	GEN. PURP.
SN54S475W	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 4CS LINES	GEN. PURP.
SN54S476J	PROM	4-BIT	4K=1024X4/TYP. ACCESS 55NS	GEN. PURP.
SN54S477J	PROM	4-BIT	4K=1024X4/TYP. ACCESS 55NS	GEN. PURP.
SN54S478J	PROM	8-BIT	8K=1024X8/TYP. ACCESS 55NS	GEN. PURP.
SN54S479J	PROM	8-BIT	8K=1024X8/TYP. ACCESS 55NS	GEN. PURP.
SN54S481JL	MPU	4-BIT	MICROPROGRAMMABLE BIT SLICE PROCESSOR/SN74S481FAMILY (APP.B)	SN74S481
SN5488AJ	MROM	8-BIT	256=32X8/MAX. ACCESS 45NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN5488AW	MROM	8-BIT	256=32X8/MAX. ACCESS 45NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN5489J	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/	GEN. PURP.
SN5489W	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS	GEN. PURP.
SN74LS147J	CDCVR	4-BIT	10-LINE-DECIMAL TO 4-LINE-BCD PRIORITY ENCODER/TYP. DELAY 15NS	9900
SN74LS147N	CDCVR	4-BIT	10-LINE-DECIMAL TO 4-LINE-BCD PRIORITY ENCODER/TYP. DELAY 15NS	9900
SN74LS148J	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 15NS	9900
SN74LS148N	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 15NS	9900
SN74LS200AJ	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
SN74LS200AN	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
TII	FLP-16/3C	LSTB	-55C/+125C	+5V	55TPMA	TTL	TTL/TS		SN54LS202W
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	40TPMA	TTL	TTL/TS		SN54LS207J
TII	DIL-20/1C	LSTB	-55C/+125C	+5V	40TPMA	TTL	TTL/TS		SN54LS208J
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	50MXMA	TTL	TTL/TS		SN54LS214J
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	40TPMA	TTL	TTL/TS		SN54LS215J
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	35TPMW	TTL	TTL/TS		SN54LS251J
TII	FLP-16/3C	LSTB	-55C/+125C	+5V	35TPMW	TTL	TTL/TS		SN54LS251W
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	22TPMA	TTL	TTL	S9334F	SN54LS259J
TII	FLP-16/3C	LSTB	-55C/+125C	+5V	22TPMA	TTL	TTL	S9334W	SN54LS259W
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	55TPMA	TTL	TTL/OC		SN54LS300AJ
TII	FLP-16/3C	LSTB	-55C/+125C	+5V	55TPMA	TTL	TTL/OC		SN54LS300AW
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	55TPMA	TTL	TTL/TS		SN54LS302J
TII	FLP-16/3C	LSTB	-55C/+125C	+5V	55TPMA	TTL	TTL/TS		SN54LS302W
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	50MXMA	TTL	TTL/OC		SN54LS314J
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	40TPMA	TTL	TTL/OC		SN54LS315J
TII	DIL-16/1C	LSTB	-55C/+125C	+5V	33MXMA	TTL	TTL		SN54LS348J
TII	FLP-16/3C	LSTB	-55C/+125C	+5V	33MXMA	TTL	TTL		SN54LS348W
TII	DIL-20/1C	LSTB	-55C/+125C	+5V/+12V	175MXMA	TTL	TTL		SN54LS362J
TII	FLP-20/3C	LSTB	-55C/+125C	+5V/+12V	175MXMA	TTL	TTL		SN54LS362W
TII	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC		SN54S188J
TII	FLP-16/3C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC		SN54S188W
TII	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS	AM54S189J	SN54S189J
TII	FLP-16/3C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS	AM54S189W	SN54S189W
TII	DIL-16/1C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/TS	DM54S200J	SN54S200AJ
TII	FLP-16/3C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/TS		SN54S200AW
TII	DIL-16/1C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/TS	S54S201F	SN54S201J
TII	FLP-16/3G	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/TS	S54S201W	SN54S201W
TII	DIL-16/1C	STLB	-55C/+125C	+5V	160MXMA	TTL	TTL/TS		SN54S207J
TII	FLP-16/3C	STLB	-55C/+125C	+5V	160MXMA	TTL	TTL/TS		SN54S207W
TII	DIL-20/1C	STLB	-55C/+125C	+5V	160MXMA	TTL	TTL/TS		SN54S208J
TII	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		SN54S214J
TII	DIL-20/4C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		SN54S240J
TII	DIL-20/4C	STLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		SN54S241J
TII	DIL-16/1C	STLB	-55C/+125C	+5V	275TPMW	TTL	TTL/TS		SN54S251J
TII	FLP-16/3C	STLB	-55C/+125C	+5V	275TPMW	TTL	TTL/TS		SN54S251W
TII	DIL-16/1C	STLB	-55C/+125C	+5V	155MXMA	TTL	TTL/OC		SN54S270J
TII	DIL-20/4C	STLB	-55C/+125C	+5V	155MXMA	TTL	TTL/OC	DM54S271N	SN54S271J
TII	DIL-16/1C	STLB	-55C/+125C	+5V	135MXMA	TTL	TTL/TS	DM54S287D	SN54S287J
TII	FLP-16/3C	STLB	-55C/+125C	+5V	135MXMA	TTL	TTL/TS	DM54S287D	SN54S287W
TII	DIL-16/1C	STLB	-55C/+155C	+5V	110MXMA	TTL	TTL/TS		SN54S288J
TII	FLP-16/3C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		SN54S288W
TII	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC	DM54S289J	SN54S289J
TII	FLP-16/3G	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC	AM54S289W	SN54S289W
TII	DIL-16/1C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/OC		SN54S300AJ
TII	FLP-16/3C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/OC		SN54S300AW
TII	DIL-16/1C	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/OC	S54S301W	SN54S301J
TII	FLP-16/3G	STLB	-55C/+125C	+5V	140MXMA	TTL	TTL/OC	S54S301W	SN54S301W
TII	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		SN54S314J
TII	DIL-16/1C		-55C/+125C	+5V	155MXMA	TTL	TTL/TS	DM54S370J	SN54S370J
TII	DIL-20/4C	STLB	-55C/+125C	+5V	155MXMA	TTL	TTL/TS	DM54S371N	SN54S371J
TII	DIL-16/1C	STLB	-55C/+125C	+5V	135MXMA	TTL	TTL/OC	DMS54387J	SN54S387J
TII	FLP-16/3C	STLB	-55C/+125C	+5V	135MXMA	TTL	TTL/OC		SN54S387W
TII	DIL-20/1C	STLB	-55C/+125C	+5V	155MXMA	TTL	TTL/OC	DM54S470J	SN54S470J
TII	DIL-20/1C	STLB	-55C/+125C	+5V	155MXMA	TTL	TTL/TS	DM54S471D	SN54S471J
TII	DIL-20/1C	STLB	-55C/+125C	+5V	120TPMA	TTL	TTL/TS		SN54S472J
TII	DIL-20/1C	STLB	-55C/+125C	+5V	120TPMA	TTL	TTL/OC		SN54S473J
TII	DIL-24/2C	STLB	-55C/+125C	+5V	120TPMA	TTL	TTL/TS		SN54S474J
TII	FLP-24/3C	STLB	-55C/+125C	+5V	120TPMA	TTL	TTL/TS		SN54S474W
TII	DIL-24/2C	STLB	-55C/+125C	+5V	120TPMA	TTL	TTL/OC		SN54S475J
TII	FLP-24/3C	STLB	-55C/+125C	+5V	120TPMA	TTL	TTL/OC		SN54S475W
TII	DIL-18/1C	STLB	-55C/+125C	+5V		TTL	TTL/TS		SN54S476J
TII	DIL-18/1C	STLB	-55C/+125C	+5V		TTL	TTL/OC		SN54S477J
TII	DIL-24/2C	STLB	-55C/+125C	+5V		TTL	TTL/TS		SN54S478J
TII	DIL-24/2C	STLB	-55C/+125C	+5V		TTL	TTL/OC		SN54S479J
TII	QIL-48/1C	STLB	-55C/+125C	+5V	225TPMA	TTL	TTL		SN54S481JL
TII	DIL-16/1C	TTLB	-55C/+125C	+5V	80MXNA	TTL	TTL/OC		SN5488AJ
TII	FLP-16/3C	TTLB	-55C/+125C	+5V	80MXMA	TTL	TTL/OC		SN5488AW
ADM	DIL-16/1C	TTLB	-55C/+125C	+5V	550MXMW	TTL	TTL/OC	DM5489J	SN5489J
ADM	FLP-16/3C	TTLB	-55C/+125C	+5V	550MXMW	TTL	TTL/TL		SN5489W
TII	DIL-16/1C	LSTB	0C/+70C	+5V	60TPMW	TTL	TTL	SN74LS147N	SN74LS147J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	60TPMW	TTL	TTL	SN74LS147J	SN74LS147N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	60TPMW	TTL	TTL	SN74LS148N	SN74LS148J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	60TPMW	TTL	TTL	SN74LS148J	SN74LS148N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	70MXMA	TTL	TTL/TS	SN74LS200AN	SN74LS200AJ
TII	DIL-16/1P	LSTB	0C/+70C	+5V	70MXMA	TTL	TTL/TS	SN74LS200AJ	SN74LS200AN

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
SN74LS202J	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/8 ADDRESS 3CS LINES	GEN. PURP.
SN74LS202N	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/8 ADDRESS 3CS LINES	GEN. PURP.
SN74LS207J	SRAM	4-BIT	1K=256X4/TYP. ACCESS 75NS/8 ADDRESS LINES	GEN. PURP.
SN74LS207N	SRAM	4-BIT	1K=256X4/TYP. ACCESS 75NS/8 ADDRESS LINES	GEN. PURP.
SN74LS208J	SRAM	4-BIT	1K=256X4/TYP. ACCESS 75NS/8 ADDRESS LINES	GEN. PURP.
SN74LS208N	SRAM	4-BIT	1K=256X4/TYP. ACCESS 75NS/8 ADDRESS LINES	GEN. PURP.
SN74LS214J	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 90NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN74LS214N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 90NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN74LS215J	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 65NS/10 ADDRESS LINES	GEN. PURP.
SN74LS215N	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 65NS/10 ADDRESS LINES	GEN. PURP.
SN74LS251J	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/EQVT. TIM9905	GEN. PURP.
SN74LS251N	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/17NS TYP. DELAY	GEN. PURP.
SN74LS259J	LATCH	8-BIT	ADDRESSABLE LATCH/TYP. PROPN. DELAY 20NS/EQVT. TO TIM9906	GEN. PURP.
SN74LS259N	LATCH	8-BIT	ADDRESSABLE LATCH/TYP. PROPN. DELAY 20NS	GEN. PURP.
SN74LS300AJ	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN74LS300AN	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN74LS302J	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/8 ADDRESS 3CS LINES	GEN. PURP.
SN74LS302N	SRAM	1-BIT	256=256X1/TYP. ACCESS 35NS/8 ADDRESS 3CS LINES	GEN. PURP.
SN74LS314J	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 90NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN74LS314N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 90NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN74LS315N	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 65NS/10 ADDRESS LINES	GEN. PURP.
SN74LS348J	CDCVR	8/3BIT	8-LINE TO 3-LINE PRIORITY ENCODER /EQVT. TO TIM9908	GEN. PURP.
SN74LS348N	CDCVR	8/3BIT	8-LINE TO 3-LINE PRIORITY ENCODER	GEN. PURP.
SN74LS362J	CLOCK	.	4-PHASE CLOCK GENERATOR-DRIVER FOR 9900 FAMILY (APP. B)/=TIM9904	9900
SN74LS362N	CLOCK	.	4-PHASE CLOCK GENERATOR-DRIVER FOR 9900 FAMILY (APP. B)/=TIM9904	9900
SN74S188J	PROM	8-BIT	256=32X8/MAX. ACCESS 40NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN74S188N	PROM	8-BIT	256=32X8/MAX. ACCESS 40NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN74S189J	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS,1CE LINES	GEN. PURP.
SN74S189N	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS,1CE LINES	GEN. PURP.
SN74S200AJ	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
SN74S200AN	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
SN74S201J	SRAM	1-BIT	256=256X1/MAX. ACCESS 65NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN74S201N	SRAM	1-BIT	256=256X1/MAX. ACCESS 65NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN74S207J	SRAM	4-BIT	1K=1024X1/MAX. ACCESS 50NS/8 ADDRESS LINES	GEN. PURP.
SN74S207N	SRAM	4-BIT	1K=1024X1/MAX. ACCESS 50NS/8 ADDRESS LINES	GEN. PURP.
SN74S208J	SRAM	4-BIT	1K=1024X1/MAX. ACCESS 50NS/8 ADDRESS LINES/SEP. DATA I-O PORTS	GEN. PURP.
SN74S208N	SRAM	4-BIT	1K=1024X1/MAX. ACCESS 50NS/8 ADDRESS LINES SEP. DATA I-O PORTS	GEN. PURP.
SN74S214J	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN74S214N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN74S240J	BUFFR	8-BIT	OCTAL BUFFER-LINE DRIVER/INVERTING	GEN. PURP.
SN74S240N	BUFFR	8-BIT	OCTAL BUFFER-LINE DRIVER/INVERTING	GEN. PURP.
SN74S241J	BUFFR	8-BIT	OCTAL BUFFER-LINE DRIVER/NON-INVERTING	GEN. PURP.
SN74S241N	BUFFR	8-BIT	OCTAL BUFFER-LINE DRIVER/NON-INVERTING	GEN. PURP.
SN74S251J	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/8NS TYP. DELAY	GEN. PURP.
SN74S251N	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/8NS TYP. DELAY	GEN. PURP.
SN74S270J	MROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN74S270N	MROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN74S271J	MROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
SN74S271N	MROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
SN74S287J	PROM	4-BIT	1K=256X4/MAX. ACCESS 65NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN74S287N	PROM	4-BIT	1K=256X4/MAX. ACCESS 65NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN74S288J	PROM	8-BIT	256=32X8/MAX. ACCESS 40NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN74S288N	PROM	8-BIT	256=32X8/MAX. ACCESS 40NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN74S289J	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS,1CE LINES	GEN. PURP.
SN74S289N	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS,1CE LINES	GEN. PURP.
SN74S300AJ	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN74S300AN	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN74S301J	SRAM	1-BIT	256=256X1/MAX. ACCESS 65NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN74S301N	SRAM	1-BIT	256=256X1/MAX. ACCESS 65NS/8 ADDRESS,3 CS LINES	GEN. PURP.
SN74S314J	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN74S314N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/10 ADDRESS,1CS LINES	GEN. PURP.
SN74S315J	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 65NS/10 ADDRESS LINES	GEN. PURP.
SN74S370J	MROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN74S370N	MROM	4-BIT	2K=512X4/MAX. ACCESS 70NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN74S371J	MROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
SN74S371N	MROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
SN74S387J	PROM	4-BIT	1K=256X4/MAX. ACCESS 65NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN74S387N	PROM	4-BIT	1K=256X4/MAX. ACCESS 65NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN74S470J	PROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN74S470N	PROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN74S471J	PROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN74S471N	PROM	8-BIT	2K=256X8/MAX. ACCESS 70NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN74S472J	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN74S472N	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN74S473J	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 1 CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
TII	DIL-16/1C	LSTB	0C/+70C	+5V	55TPMA	TTL	TTL/TS	SN74LS202N	SN74LS202J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	55TPMA	TTL	TTL/TS	SN74LS202J	SN74LS202N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	40TPMA	TTL	TTL/TS	SN74LS207N	SN74LS207J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	40TPMA	TTL	TTL/TS	SN74LS207J	SN74LS207N
TII	DIL-20/1C	LSTB	0C/+70C	+5V	40TPMA	TTL	TTL/TS	SN74LS208N	SN74LS208J
TII	DIL-20/1P	LSTB	0C/+70C	+5V	40TPMA	TTL	TTL/TS	SN74LS208J	SN74LS208N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	50MXMA	TTL	TTL/TS	SN74LS214N	SN74LS214J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	50MXMA	TTL	TTL/TS	SN74LS214J	SN74LS214N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	40TPMA	TTL	TTL/TS	SN74LS215N	SN74LS215J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	40TPMA	TTL	TTL/TS	SN74LS215J	SN74LS215N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	35TPMW	TTL	TTL/TS	SN74LS251N	SN74LS251J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	35TPMW	TTL	TTL/TS	SN74LS251J	SN74LS251N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	22TPMA	TTL	TTL	N9334F	SN74LS259J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	22TPMA	TTL	TTL	N9334B	SN74LS259N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	70MXMA	TTL	TTL/OC	SN74LS300AN	SN74LS300AJ
TII	DIL-16/1P	LSTB	0C/+70C	+5V	70MXMA	TTL	TTL/OC	SN74LS300AJ	SN74LS300AN
TII	DIL-16/1C	LSTB	0C/+70C	+5V	55TPMA	TTL	TTL/TS	SN74LS302N	SN74LS302J
TII	DIL-16/1P	LSTB	-55C/+125C	+5V	55TPMA	TTL	TTL/TS	SN74LS302J	SN74LS302N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	50MXMA	TTL	TTL/OC	SN74LS314N	SN74LS314J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	50MXMA	TTL	TTL/OC	SN74LS314J	SN74LS314N
TII	DIL-16/1P	LSTB	0C/+70C	+5V	40TPMA	TTL	TTL/OC	SN74LS315J	SN74LS315N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	33MXMA	TTL	TTL	TIM9908	SN74LS348J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	33MXMA	TTL	TTL		SN74LS348N
TII	DIL-20/1C	LSTB	0C/+70C	+5V/+12V	175MXMA	TTL	TTL	SN74LS362N	SN74LS362J
TII	DIL-20/1P	LSTB	0C/+70C	+5V/+12V	175MXMA	TTL	TTL	SN74LS362J	SN74LS362N
TII	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC		SN74S188J
TII	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC		SN74S188N
TII	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	DM74S189J	SN74S189J
TII	DIL-16/1P	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	DM74S189N	SN74S189N
TII	DIL-16/1C	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/TS	SN74S200AN	SN74S200AJ
TII	DIL-16/1P	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/TS	SN74S200AJ	SN74S200AN
TII	DIL-16/1C	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/TS	N74S201F	SN74S201J
TII	DIL-16/1P	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/TS	N74S201N	SN74S201N
TII	DIL-16/1C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/TS	SN74S207N	SN74S207J
TII	DIL-16/1P	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/TS	SN74S207J	SN74S207N
TII	DIL-20/1C	STLB	0C/+70C	+5V	180MXMA	TTL	TTL/TS	SN74S208N	SN74S208J
TII	DIL-20/1P	STLB	-55C/+125C	+5V	180MXMA	TTL	TTL/TS	SN74S208J	SN74S208N
TII	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	SN74S214N	SN74S214J
TII	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	SN74S214J	SN74S214N
TII	DIL-20/4C	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/TS	SN74S240N	SN74S240J
TII	DIL-20/4P	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/TS	SN74S240J	SN74S240N
TII	DIL-20/4C	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/TS	SN74S241N	SN74S241J
TII	DIL-20/4P	STLB	0C/+70C	+5V	150MXMA	TTL	TTL/TS	SN74S241J	SN74S241N
TII	DIL-16/1C	STLB	0C/+70C	+5V	275TPMW	TTL	TTL/TS	SN74S251N	SN74S251J
TII	DIL-16/1P	STLB	0C/+70C	+5V	275TPMW	TTL	TTL/TS	SN74S251J	SN74S251N
TII	DIL-16/1C	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/OC	DM74S270J	SN74S270J
TII	DIL-16/1P	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/OC	DM74S270N	SN74S270N
TII	DIL-20/4C	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/OC	DM74S271N	SN74S271J
TII	DIL-20/4P	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/OC	DM74S271N	SN74S271N
TII	DIL-16/1C	STLB	0C/+70C	+5V	135MXMA	TTL	TTL/TS	DM74S287N	SN74S287J
TII	DIL-16/1P	STLB	0C/+70C	+5V	135MXMA	TTL	TTL/TS	DM74S287N	SN74S287N
TII	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	SN74S288N	SN74S288J
TII	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/TS	SN74S288J	SN74S288N
ADM	DIL-16/1C	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	AM74S289J	SN74S289J
ADM	DIL-16/1P	STLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	SN74S289N	SN74S289N
TII	DIL-16/1C	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/OC	SN74S300AN	SN74S300AJ
TII	DIL-16/1P	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/OC	SN74S300AJ	SN74S300AN
TII	DIL-16/1C	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/OC	N74S301N	SN74S301J
TII	DIL-16/1P	STLB	0C/+70C	+5V	140MXMA	TTL	TTL/OC	NS74S301F	SN74S301N
TII	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	SN74S314N	SN74S314J
TII	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	SN74S314J	SN74S314N
	DIL-16/1C	LSTB	0C/+70C	+5V	40TPMA	TTL	TTL/OC	SN74S315N	SN74S315J
TII	DIL-16/1C	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/TS	DM74S370J	SN74S370J
TII	DIL-16/1P	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/TS	SN74S370N	SN74S370N
TII	DIL-20/4C	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/TS	DM74S371N	SN74S371J
TII	DIL-20/4P	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/TS	DM74S371N	SN74S371N
TII	DIL-16/1C	STLB	0C/+70C	+5V	135MXMA	TTL	TTL/OC	DM74S387N	SN74S387J
TII	DIL-16/1P	STLB	0C/+70C	+5V	135MXMA	TTL	TTL/OC	DM74S387N	SN74S387N
TII	DIL-20/1C	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/OC	DM74S470D	SN74S470J
TII	DIL-20/1P	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/OC	DM74S470N	SN74S470N
TII	DIL-20/1C	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/TS	DM74S471D	SN74S471J
TII	DIL-20/1P	STLB	0C/+70C	+5V	155MXMA	TTL	TTL/TS	DM74S471N	SN74S471N
TII	DIL-20/1C	STLB	0C/+70C	+5V	120TPMA	TTL	TTL/TS	SN74S472N	SN74S472J
TII	DIL-20/1P	STLB	0C/+70C	+5V	120TPMA	TTL	TTL/TS	SN74S472J	SN74S472N
TII	DIL-20/1C	STLB	0C/+70C	+5V	120TPMA	TTL	TTL/OC	SN74S473N	SN74S473J

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
SN74S473N	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 1 CS LINES	GEN. PURP.
SN74S474J	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 4CS LINES	GEN. PURP.
SN74S474N	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 4CS LINES	GEN. PURP.
SN74S475J	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 4CS LINES	GEN. PURP.
SN74S475N	PROM	8-BIT	4K=512X8/TYP. ACCESS 55NS/9 ADDRESS 4CS LINES	GEN. PURP.
SN74S476J	PROM	4-BIT	4K=1024X4/TYP. ACCESS 55NS	GEN. PURP.
SN74S476N	PROM	4-BIT	4K=1024X4/TYP. ACCESS 55NS	GEN. PURP.
SN74S477J	PROM	4-BIT	4K=1024X4/TYP. ACCESS 55NS	GEN. PURP.
SN74S477N	PROM	4-BIT	4K=1024X4/TYP. ACCESS 55NS	GEN. PURP.
SN74S478J	PROM	8-BIT	8K=1024X8/TYP. ACCESS 55NS	GEN. PURP.
SN74S478N	PROM	8-BIT	8K=1024X8/TYP. ACCESS 55NS	GEN. PURP.
SN74S479J	PROM	8-BIT	8K=1024X8/TYP. ACCESS 55NS	GEN. PURP.
SN74S479N	PROM	8-BIT	8K=1024X8/TYP. ACCESS 55NS	GEN. PURP.
SN74S481JL	MPU	4-BIT	MICROPROGRAMMABLE BIT SLICE PROCESSOR/481 FAMILY (APP. B)	SN74S481
SN74S481NL	MPU	4-BIT	MICROPROGRAMMABLE BIT SLICE PROCESSOR/481 FAMILY (APP. B)	SN74S481
SN7488AJ	MROM	8-BIT	256=32X8/MAX. ACCESS 45NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN7488AN	MROM	8-BIT	256=32X8/MAX. ACCESS 45NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN7489J	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS LINES	GEN. PURP.
SN7489N	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS LINES	GEN. PURP.
SN10139J	PROM	8-BIT	256=32X8/MAX. ACCESS 20NS/5 ADDRESS 1CE LINES	10000
SN10139JE	PROM	8-BIT	256=32X8/MAX. ACCESS 20NS/5 ADDRESS 1CE LINES	10000
SN10140J	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS/4X 2Y 2CE ADDRESS LINES/90 OHM LOAD	10000
SN10140JE	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS/4X 2Y 2CE ADDRESS LINES/90 OHM LOAD	10000
SN10142J	SRAM	1-BIT	64=64X1/MAX. ACCESS 10NS/4X 2Y 2CE ADDRESS LINES/50 OHM LOAD	10000
SN10142JE	SRAM	1-BIT	64=64X1/MAX. ACCESS 10NS/4X 2Y 2CE ADDRESS LINES/50 OHM LOAD	10000
SN10144J	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CE ADDRESS LINES	10000
SN10144JE	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CE ADDRESS LINES	10000
SN10145J	SRAM	4-BIT	64=16X4/TYP. ACCESS 6NS/4 ADDRESS LINES	10000
SN10145JE	SRAM	4-BIT	64=16X4/TYP. ACCESS 6NS/4 ADDRESS LINES	10000
SN10147J	SRAM	1-BIT	128=128X1/MAX. ACCESS 15NS/4X 3Y 2CE ADDRESS LINES	10000
SN10147JE	SRAM	1-BIT	128=128X1/MAX. ACCESS 15NS/4X 3Y 2CE ADDRESS LINES	10000
SN10148J	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS/4X 2Y 2CE ADDRESS LINES/50 OHM LOAD	10000
SN10148JE	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS/4X 2Y 2CE ADDRESS LINES/50 OHM LOAD	10000
SN54147J	CDCVR	4-BIT	10-LINE-DECIMAL TO 4-LINE-BCD PRIORITY ENCODER/TYP. DELAY 10NS	9900
SN54147W	CDCVR	4-BIT	10-LINE-DECIMAL TO 4-LINE-BCD PRIORITY ENCODER/TYP. DELAY 10NS	9900
SN54148J	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
SN54148W	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
SN54186J	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6 ADDRESS 2 CS LINES	GEN. PURP.
SN54186W	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6 ADDRESS 2 CS LINES	GEN. PURP.
SN54187J	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN54187W	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN54188AJ	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN54188AW	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN54251J	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/17NS TYP. DELAY	GEN. PURP.
SN54251W	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/17NS TYP. DELAY	GEN. PURP.
SN54259J	LATCH	8-BIT	ADDRESSABLE LATCH/TYP. PROPN. DELAY 16NS	GEN. PURP.
SN54259W	LATCH	8-BIT	ADDRESSABLE LATCH/TYP. PROPN. DELAY 16NS	GEN. PURP.
SN74147J	CDCVR	4-BIT	10-LINE-DECIMAL TO 4-LINE-BCD PRIORITY ENCODER/TYP. DELAY 10NS	9900
SN74147N	CDCVR	4-BIT	10-LINE-DECIMAL TO 4-LINE-BCD PRIORITY ENCODER 10	9900
SN74148J	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
SN74148N	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
SN74186J	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6 ADDRESS 2 CS LINES	GEN. PURP.
SN74186N	PROM	8-BIT	512=64X8/MAX. ACCESS 75NS/6 ADDRESS 2 CS LINES	GEN. PURP.
SN74187J	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN74187N	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/8 ADDRESS 2 CS LINES	GEN. PURP.
SN74188AJ	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN74188AN	PROM	8-BIT	256=32X8/MAX. ACCESS 50NS/5 ADDRESS 1 CS LINES	GEN. PURP.
SN74251J	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/17NS TYP. DELAY	GEN. PURP.
SN74251N	MUX	.	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/17NS TYP. DELAY	GEN. PURP.
SN74259J	LATCH	8-BIT	ADDRESSABLE LATCH/TYP. PROPN. DELAY 16NS	GEN. PURP.
SN74259N	LATCH	8-BIT	ADDRESSABLE LATCH/TYP. PROPN. DELAY 16NS	GEN. PURP.
SY21H01	SRAM	4-BIT	1K=256X4/MAX. ACCESS 200NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SY21H11	SRAM	4-BIT	1K=256X4/MAX. ACCESS 14S/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SY1103A	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 145NS/5X 5Y ADDRESS 1CE LINES/NO PRECHARGE	GEN. PURP.
SY2101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 14S/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SY2101A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/ 5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SY2101A-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/ 5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SY2101A-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/ 5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SY2101-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SY2101-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SY3514	MROM	8-BIT	4K=512X8/MAX. ACCESS 850NS	GEN. PURP.
SY6513	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./2 INTERRUPT LINES/1MHZ	6500
SY6513A	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./2 INTERRUPT LINES/2MHZ	6500
SY6514	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
SY6514A	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
TII	DIL-20/1P	STLB	0C/+70C	+5V	120TPMA	TTL	TTL/OC	SN74S473J	SN74S473N
TII	DIL-24/2C	STLB	0C/+70C	+5V	120TPMA	TTL	TTL/TS	SN74S474N	SN74S474J
TII	DIL-24/2P	STLB	0C/+70C	+5V	120TPMA	TTL	TTL/TS	SN74S474J	SN74S474N
TII	DIL-24/2C	STLB	0C/+70C	+5V	120TPMA	TTL	TTL/OC	SN74S475N	SN74S475J
TII	DIL-24/2P	STLB	0C/+70C	+5V	120TPMA	TTL	TTL/OC	SN74S475J	SN74S475N
TII	DIL-18/1C	STLB	0C/+70C	+5V		TTL	TTL/TS	SN74S476N	SN74S476J
TII	DIL-18/1P	STLB	0C/+70C	+5V		TTL	TTL/TS	SN74S476J	SN74S476N
TII	DIL-18/1C	STLB	0C/+70C	+5V		TTL	TTL/OC	SN74S477N	SN74S477J
TII	DIL-18/1P	STLB	0C/+70C	+5V		TTL	TTL/OC	SN74S477J	SN74S477N
TII	DIL-24/2C	STLB	0C/+70C	+5V		TTL	TTL/TS	SN74S478N	SN74S478J
TII	DIL-24/2P	STLB	0C/+70C	+5V		TTL	TTL/TS	SN74S478J	SN74S478N
TII	DIL-24/2C	STLB	0C/+70C	+5V		TTL	TTL/OC	SN74S479N	SN74S479J
TII	DIL-24/2P	STLB	0C/+70C	+5V		TTL	TTL/OC	SN74S479J	SN74S479N
TII	QIL-48/1C	STLB	0C/+70C	+5V	225TPMA	TTL	TTL	SN74S481NL	SN74S481JL
TII	QIL-48/1P	STLB	0C/+70C	+5V	225TPMA	TTL	TTL	SN74S481JL	SN74S481NL
TII	DIL-16/1C	TTLB	0C/+70C	+5V	80MXMA	TTL	TTL/OC	DM7488J	SN7488AJ
TII	DIL-16/1P	TTLB	0C/+70C	+5V	80MXMA	TTL	TTL/OC	D7488N	SN7488AN
TII	DIL-16/1C	TTLB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	AM7489J	SN7489J
TII	DIL-16/1P	TTLB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	DM74L89AN	SN7489N
TII	DIL-16/1C	ECLB	-55C/+125C	-5.2V	145MXMA	-1.6/-.8V	-1.6V/-.8V		SN10139J
TII	DIL-16/1M	ECLB	-30C/+85C	-5.2V	145MXMA	-1.6/-.8V	-1.6V/-.8V		SN10139JE
TII	DIL-16/1C	ECLB	0C/+85C	-5.2V	103MXMA	-1.6/-.8V	-1.6/-.8V		SN10140J
TII	DIL-16/1M	ECLB	0C/+85C	-5.2V	103MXMA	-1.6/-.8V	-1.6/-.8V	GXB10140B	SN10140JE
TII	DIL-16/1C	ECLB	0C/+85C	-5.2V	103MXMA	-1.6/-.8V	-1.6/-.8V	GXB10142D	SN10142J
TII	DIL-16/1M	ECLB	0C/+85C	-5.2V	103MXMA	-1.6/-.8V	-1.6/-.8V	GXB10142D	SN10142JE
TII	DIL-16/1C	ECLB	0C/+85C	-5.2V	125MXMA	-1.6/-.8V	-1.6/-.8V	GXB10144D	SN10144J
TII	DIL-16/1M	ECLB	0C/+85C	-5.2V	125MXMA	-1.6/-.8V	-1.6/-.8V	GXB10144E	SN10144JE
TII	DIL-16/1C	ECLB	0C/+85C	-5.2V	150MXMA	-1.6/-.8V	-1.6/-.8V	F10145ADC	SN10145J
TII	DIL-16/1M	ECLB	0C/+85C	-5.2V	150MXMA	-1.6/-.8V	-1.6/-.8V	F10145ADC	SN10145JE
TII	DIL-16/1C	ECLB	0C/+85C	-5.2V	100MXMA	-1.6/-.8V	-1.6/-.8V	GXB10147A	SN10147J
TII	DIL-16/1M	ECLB	0C/+85C	-5.2V	100MXMA	-1.6/-.8V	-1.6/-.8V	GXB10147A	SN10147JE
TII	DIL-16/1C	ECLB	0C/+85C	-5.2V	103MXMA	-1.6/-.8V	-1.6/-.8V	GXB10148D	SN10148J
TII	DIL-16/1M	ECLB	0C/+85C	-5.2V	103MXMA	-1.6/-.8V	-1.6/-.8V	GXB10148D	SN10148JE
TII	DIL-16/1C	TTLB	-55C/+125C	+5V	225TPMW	TTL	TTL	SN54LS147J	SN54147J
TII	FLP-16/3C	TTLB	-55C/+125C	+5V	225TMMW	TTL	TTL	SN54LS147W	SN54147W
TII	DIL-16/1C	TTLB	-55C/+125C	+5V	190TPMW	TTL	TTL	SN54LS148J	SN54148J
TII	FLP-16/3C	TTLB	-55C/+125C	+5V	190TPMW	TTL	TTL	SN54LS148W	SN54148W
TII	DIL-24/4C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL/OC		SN54186J
TII	FLP-24/4C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL/OC		SN54186W
TII	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC	DM54187J	SN54187J
TII	FLP-16/3C		-55C/+125C	+5V	130MXMA	TTL	TTL/OC		SN54187W
TII	DIL-16/1C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL/OC		SN54188AJ
TII	FLP-16/3C	TTLB	-55C/+125C	+5V	120MXMA	TTL	TTL/OC		SN54188AW
TII	DIL-16/1C	TTLB	-55C/+125C	+5V	250TPMW	TTL	TTL/TS	SN54LS251J	SN54251J
TII	FLP-16/3C	TTLB	-55C/+125C	+5V	250TPMW	TTL	TTL/TS	SN54LS251W	SN54251W
TII	DIL-16/1C	TTLB	-55C/+125C	+5V	60TPMA	TTL	TTL	S9334F	SN54259J
TII	FLP-16/3C	TTLB	-55C/+125C	+5V	60TPMA	TTL	TTL	S9334W	SN54259W
TII	DIL-16/1C	TTLB	0C/+70C	+5V	225TPMW	TTL	TTL	SN74LS147J	SN74147J
TII	DIL-16/1P	TTLB	0C/+70C	+5V	225TPMW	TTL	TTL	SN74LS147N	SN74147N
TII	DIL-16/1C	TTLB	0C/+70C	+5V	190TPMW	TTL	TTL	SN74LS148J	SN74148J
TII	DIL-16/1P	TTLB	0C/+70C	+5V	190TPMW	TTL	TTL	SN74LS148N	SN74148N
TII	DIL-24/4C	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	SN74186N	SN74186J
TII	DIL-24/4P	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	SN7418J	SN74186N
TII	DIL-16/1C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	DM74187J	SN74187J
TII	DIL-16/1P	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	SN74187J	SN74187N
TII	DIL-16/1C	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	SN74S188J	SN74188AJ
TII	DIL-16/1P	TTLB	0C/+70C	+5V	110MXMA	TTL	TTL/OC	SN74S188N	SN74188AN
TII	DIL-16/1C	LSTB	0C/+70C	+5V	250TPMW	TTL	TTL/TS	SN74LS251J	SN74251J
TII	DIL-16/1P	TTLB	0C/+70C	+5V	250TPMW	TTL	TTL/TS	SN74LS251N	SN74251N
TII	DIL-16/1C	TTLB	0C/+70C	+5V	60TPMA	TTL	TTL	N9334F	SN74259J
TII	DIL-16/1P	TTLB	0C/+70C	+5V	60TPMA	TTL	TTL	N9334B	SN74259N
SYN	DIL-22/4C	NMOS	0C/+70C	+5V	90MXMA	TTL	TTL/TS	C2102A-2	SY21HO1
SYN	DIL-18/1	NMOS	0C/+70C	+5V	90MXMA	TTL	TTL/TS		SY21H11
SYN	DIL-18/1	PMOS	0C/+55C	+19V/+22.5V	33MXMA	+1/+18V	+0V/+90MV	P1103A	SY1103A
SYN	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	C2101	SY2101
SYN	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B2101A	SY2101A
SYN	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	B2101A-2	SY2101A-2
SYN	DIL-22/4C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS		SY2101A-4
SYN	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	SY2101-1
SYN	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	SY2101-2
SYN	DIL-24/2	PMOS	0C/+70C	-12V/+5V	50MXMA	TTL	TTL/TS	AM35141DC	SY3514
SYN	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6513	SY6513
SYN	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MC6513A	SY6513A
SYN	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6514	SY6514
SYN	DIL-28/2P	NMOS	0C/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6514A	SY6514A

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
SY6515	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
SY6515A	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
SY6520	PIA	8-BIT	PERIPHERAL ADAPTER FOR 6500 FAMILY (APP. B)	6500
SY6522	PIA	8-BIT	VERSATILE INTERFACE ADAPTER FOR 6500 FAMILY/EXPANDED 6520	6500
SY6530	MEMIO	8-BIT	MEMORY, I-O, TIMER ARRAY/INC. 1KX8 ROM, 64X8 SRAM/ FOR 6500 FAM.	6500
SY6532	MEMIO	8-BIT	MEMORY, I-O, TIMER ARRAY/INC. 128X8 SRAM/FOR 6500 FAM. (APP. B)	6500
SYC21H02	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y ADDRESS 1CE LINE	GEN. PURP.
SYC21H12	SRAM	4-BIT	1K=256X4/MAX. ACCESS 200NS/5X 3Y 1CE ADDRESS LINES	8080
SYC21L02	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
SYC2102	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
SYC2102A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
SYC2111	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SYC2111A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SYC2112	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
SYC2112A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
SYC2114	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
SYC2316A	MROM	8-BIT	16K=2048X8/MAX, ACCESS 600NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
SYC2316B	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
SYC4050	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SYC5101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SYC5102L-3	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDR. LINES/2V MEM. HOLD	GEN. PURP.
SYC5102-3	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDR. LINES	GEN. PURP.
SYP21H02	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
SYP21H12	SRAM	4-BIT	1K=256X4/MAX. ACCESS 200NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
SYP21L02	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y ADDRESS 1CE LINES/LO PWR STBY	GEN. PURP.
SYP2102	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
SYP2102A	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
SYP2111	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SYP2111A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SYP2112	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CE ADDRESS LINES	9080
SYP2112A	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 1CE ADDRESS LINES	GEN. PURP.
SYP2114	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
SYP2316A	MROM	8-BIT	16K=2048X8/MAX. ACCESS 600NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
SYP2316B	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
SYP4050	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
SYP4600	MROM	8-BIT	16K=2048X8(OR 4096X4)/MAX. ACCESS 600NS/7X 4Y ADDRESS LINES	GEN. PURP.
SYP5101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
SYP5102L-3	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDR. LINES/2V MEM. HOLD	GEN. PURP.
SYP5102-3	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDR. LINES	GEN. PURP.
SYP6501	CPU	8-BIT	6500 FAM. CPU/20 EXT. CLK./6800 BUS COMPAT./65K ADDR. /1MHZ CLK.	6500
SYP6501A	CPU	8-BIT	6500 FAM. CPU 20 EXT. CLK./6800 BUS COMPAT / 65K ADDR./2MHZ CLK.	6500
SYP6502	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/65K ADDR. CAPAC./1MHZ CLOCK	6500
SYP6502A	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/65K ADDR. CAPAC./2MHZ CLOCK	6500
SYP6503	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./2 INTERRUPT LINES/1MHZ	6500
SYP6503A	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./2 INTERRUPT LINES/2MHZ	6500
SYP6504	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
SYP6504A	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/8K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
SYP6505	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 1MHZ	6500
SYP6505A	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./1 INTERRUPT LINE/ 2MHZ	6500
SYP6506	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./20 OFF/ 1MHZ CLOCK	6500
SYP6506A	MPU	8-BIT	6500 FAM. CPU/CLK ON CHIP/4K ADDR. CAPAC./20 OFF/ 2MHZ CLOCK	6500
SYP6512	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHIP/65K ADDR. CAPAC./ 1MHZ CLOCK	6500
SYP6512A	MPU	8-BIT	6500 FAM. CPU/CLK OFF CHIP/65K ADDR. CAPAC./ 2MHZ CLOCK	6500
T3151	SRAM	12-BIT	512=128X4 STATIC RAM	TLCS-12A
T3181	PROM	4-BIT	2K=512X4 REPROGRAMMABLE ROM	TLCS-12A
T3190	CPU	12-BIT	PARALLEL PROCESSOR CPU FOR TLCS-12A FAM.	TLCS-12A
T3216	MEMCT	12-BIT	MEMORY CONTROL UNIT	TLCS-12A
T3217	DRVR	12-BIT	12-BIT BIDIRECTIONAL BUS DRIVER FOR TLCS-12A	TLCS-12A
T3218	IOCTR	12-BIT	INPUT-OUTPUT CONTROL UNIT	TLCS-12A
T3219	ITRPC	8-BIT	INTERRUPT LATCH UNIT FOR TLCS-12A FAM.	TLCS-12A
T3220	IOBFR		12-BIT GENERAL INPUT-OUTPUT REGISTER FOR TLCS-12A FAM.	TLCS-12A
T3269	DRVR	12-BIT	12-BIT BIDIRECTIONAL BUS DRIVER FOR TLCS-12A	TLCS-12A
T3291	MROM	4/8BIT	4K=1024X4 OR 512X8 BIT MASK PROGRAMMABLE ROM	TLCS-12A
T3412	ARU	16-BIT	16-BIT ARITHMETIC CONTROL UNIT	T-40L
T3413	IOCTR	4-BIT	4-BIT BUS CONTROL UNIT FOR T-40L FAM.	T-40L
T3416	MEMCT		MEMORY CONTROL UNIT FOR TLCS-12A FAM.	TLCS-12A
T3418	IOCTR	12-BIT	I-O DEVICE CONTROL UNIT	TLCS-12A
T3444A	FLPDC	8-BIT	FLOPPY DISK CONTROLLER/IBM3740 DATA FORMAT	T3444
T3444BS	CSTPC	8-BIT	DIGITAL CASSETTE CONTROLLER/ISO DATA FORMAT	T3444
T3444D	FLPDC		DOUBLE-SIDE FLOPPY DISK CONTROLLER/IBM FORMAT	T3444
T3444M	FLPDC		MINI-FLOPPY DISK CONTROLLER	T3444
T3445	DMAC	12-BIT	DMA CONTROLLER FOR TLCS-12A	TLCS-12A
T3535	CPU	12-BIT	PARALLEL PROCESSOR CPU FOR TLCS-12A FAM.	TLCS-12A
T3541A	MEMCT	4-BIT	CONTROLLER FOR TMM142C NON-VOLATILE SRAM	GEN. PURP.
TC5000C	SHFTR	2-BIT	DUAL 50/64 STATIC SHIFT REGISTER	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6515	SY6515
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6515A	SY6515A
SYN	DIL-40/2P	NMOS	OC/+70C	+5V	500MXMW	TTL	TTL/TS	MCS6520	SY6520
SYN	DIL-40/2P	NMOS	OC/+70C	+5V	1MXW	TTL	TTL/TS	MCS6522	SY6522
SYN	DIL-40/2C	NMOS	OC/+70C	+5V	1MXW	TTL	TTL/TS	MCS6530	SY6530
SYN	DIL-40/2P	NMOS	OC/+70C	+5V	1MXW	TTL	TTL/TS	MCS6532	SY6532
SYN	DIL-16/1C	NMOS	OC/+70C	+5V	90MXMA	TTL	TTL/TS		SYC21H02
SYN	DIL-16/1C	NMOS	OC/+70C	+5V	90MXMA	TTL	TTL/TS		SYC21H12
SYN	DIL-16/1C	NMOS	OC/+70C	+5V	40MXMA	TTL	TTL/TS	21L02F	SYC21L02
SYN	DIL-16/1C	NMOS	OC/+70C	+5V	70MXMA	TTL	TTL/TS	C2102	SYC2102
SYN	DIL-16/1C	NMOS	OC/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A	SYC2102A
SYN	DIL-18/1C	NMOS	OC/+70C	+5V	70MXMA	TTL	TTL/TS	D2111A	SYC2111
SYN	DIL-18/1C	NMOS	OC/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A	SYC2111A
SYN	DIL-16/1C	NMOS	OC/+70C	+5V	70MXMA	TTL	TTL/TS	C2112	SYC2112
SYN	DIL-16/1C	NMOS	OC/+70C	+5V	55MXMA	TTL	TTL/TS	D2112A	SYC2112A
SIE	DIL-18/1C	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL/TS	C2114	SYC2114
SYN	DIL-24/2C	NMOS	OC/+70C	+5V	160MXMA	TTL	TTL/TS	D2316A	SYC2316A
SYN	DIL-24/2C	NMOS	OC/+70C	+5V	160MXMA	TTL	TTL/TS	D2316E	SYC2316B
SYN	DIL-18/1C	NMOS	OC/+70C	-5V/+12V	60MXMA	TTL	TTL/OD	TMS4050JL	SYC4050
SYN	DIL-22/4C	CMOS	OC/+70C	+5V	60MXMA	TTL	TTL/TS		SYC5101
SYN	DIL-16/1P	CMOS	OC/+70C	+5V	25MXMA	TTL	TTL	CMOS2102	SYC5102L-3
SYN	DIL-16/1C	CMOS	OC/+70C	+5V	25MXMA	TTL	TTL	CMOS2102	SYC5102-3
SYN	DIL-16/1P	NMOS	OC/+70C	+5V	90MXMA	TTL	TTL/TS		SYP21H02
SYN	DIL-16/1P	NMOS	OC/+70C	+5V	90MXMA	TTL	TTL/TS		SYP21H12
SYN	DIL-16/1P	NMOS	OC/+70C	+5V	40MXMA	TTL	TTL/TS	21L02B	SYP21L02
SYN	DIL-16/1P	NMOS	OC/+70C	+5V	70MXMA	TTL	TTL/TS	C2102	SYP2102
SYN	DIL-16/1C	NMOS	OC/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A	SYP2102A
SYN	DIL-18/1P	NMOS	OC/+70C	+5V	70MXMA	TTL	TTL/TS	P2111A	SYP2111
SYN	DIL-18/1P	NMOS	OC/+70C	+5V	55MXMA	TTL	TTL/TS	P2111A	SYP2111A
SYN	DIL-16/1P	NMOS	OC/+70C	+5V	55MXMA	TTL	TTL/TS	P2112	SYP2112
SYN	DIL-16/1P	NMOS	OC/+70C	+5V	55MXMA	TTL	TTL/TS	P2112A	SYP2112A
SIE	DIL-18/1C	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL/TS		SYP2114
SYN	DIL-24/2C	NMOS	OC/+70C	+5V	160MXMA	TTL	TTL/TS	P2316A	SYP2316A
SYN	DIL-24/2P	NMOS	OC/+70C	+5V	160MXMA	TTL	TTL/TS	D2316E	SYP2316B
SYN	DIL-18/1P	NMOS	OC/+70C	-5V/+12V	60MXMA	TTL	TTL/OD	TM4050NL	SYP4050
SYN	DIL-24/2P	NMOS	OC/+70C	+5V	150MXMW	TTL	TTL/TS	EA4600PC	SYP4600
SYN	DIL-22/4P	CMOS	OC/+70C	+5V	60MXMA	TTL	TTL/TS		SYP5101
SYN	DIL-16/1C	CMOS	OC/+70C	+5V	25MXMA	TTL	TTL	CMOS2102	SYP5102L-3
SYN	DIL-16/1P	CMOS	OC/+70C	+5V	25MXMA	TTL	TTL	CMOS2102	SYP5102-3
SYN	DIL-40/2	NMOS	OC/+70C	+5V	700MXMA	TTL	TTL/TS	MCS6501	SYP6501
SYN	DIL-40/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6501A	SYP6501A
SYN	DIL-40/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6502	SYP6502
SYN	DIL-40/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6502A	SYP6502A
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6503	SYP6503
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6503A	SYP6503A
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6504	SYP6504
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6504A	SYP6504A
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6505	SYP6505
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6505A	SYP6505A
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6506	SYP6506
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6506A	SYP6506A
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6512	SYP6512
SYN	DIL-28/2P	NMOS	OC/+70C	+5V	700MXMW	TTL	TTL/TS	MCS6512A	SYP6512A
TOS	DIL-16/1P	PMOS	OC/+70C	-5V/+5V	330TPMW	PMOS	PMOS		T3151
TOS	DIL-24/2P	PMOS	OC/+70C	-5V/+5V/+9V	370TPMW	PMOS	PMOS		T3161
TOS	DIL-42/2P	PMOS	OC/+70C	-5V/0V/+5V	800TPMW	TTL	TTL		T3190
TOS	DIL-42/2P	PMOS	OC/+70C	-5V/0V/+5V	300TPMW				T3216
TOS	DIL-36/2P	PMOS	OC/+70C						T3217
TOS	DIL-42/2P	PMOS	OC/+70C	-5V/0V/+5V	300TPMW				T3218
TOS	DIL-36/2P	CMOS	OC/+70C	0V/+5V	2TPMW	TTL	TTL		T3219
TOS	DIL-42/2P	PMOS	OC/+70C	-5V/0V/+5V	350TPMW				T3220
TOS	DIL-36/2P	PMOS	OC/+70C	-5V/0V/+5V	300TPMW				T3269
TOS	DIL-24/2P	PMOS	OC/+70C	-5V/0V/+5V	500MXMW				T3291
TOS	DIL-42/2P	NMOS	OC/+70C						T3412
TOS	DIL-42/2P	NMOS	OC/+70C						T3413
TOS	DIL-42/2P	PMOS	OC/+70C						T3416
TOS	DIL-42/2P	PMOS	OC/+70C						T3418
TOS	DIL-40/2C	NMOS	OC/+70C			TTL	TTL		T3444A
TOS	DIL-40/2C	NMOS	OC/+70C			TTL	TTL		T3444BS
TOS	DIL-40/2C	NMOS	OC/+70C			TTL	TTL		T3444D
TOS	DIL-40/2C	NMOS	OC/+70C			TTL	TTL		T3444M
TOS	DIL-36/2P	PMOS	OC/+70C						T3445
TOS	DIL-36/2P	PMOS	OC/+70C	-5V/0V/+5V		TTL	TTL		T3535
TOS	TO5-12/1M	CMOS	OC/+70C	+29/-15/+5/+29	425MXMW				T3541A
TOS	DIL-16/1C	CMOS	OC/+70C						TC5000C

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
TC5001C	CTC	.	4-DIGIT DECADE COUNTER	GEN. PURP.
TC5002P	DECDR	4-BIT	BCD-TO-7 SEGMENT DECODER DRIVER	GEN. PURP.
TC5004P	SHFTR	2-BIT	DUAL 500/512-BIT DYNAMIC SHIFT REGISTER	GEN. PURP.
TC5006P	SRAM	.	1004-BIT STATIC RAM	GEN. PURP.
TC5007C	SRAM	4-BIT	1024=256X4 STATIC RAM	GEN. PURP.
TC5016AP-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 550NS	GEN. PURP.
TC5016AP-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 800NS	GEN. PURP.
TC5047AP-1	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 550NS	GEN. PURP.
TC5047AP-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 800NS	GEN. PURP.
TC5501P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
TC5501P-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
TC5501P-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES/500uA STANDBY	GEN. PURP.
TC5504C-1	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 550NS/6X 6Y 1CE ADDRESS LINES	6100
TC5504C-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 800NS/6X 6Y 1CE ADDRESS LINES	6100
TC5504P-1	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 550NS/6X 6Y 1CE ADDRESS LINES	6100
TC5504P-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 800NS/6X 6Y 1CE ADDRESS LINES	6100
TC5508P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 370NS/5X 5Y 1CS ADDRESS LINES	6100
TC5508P-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 550NS/5X 5Y 1CS ADDRESS LINES	6100
TC5514P-1	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 650NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TC5514P-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 800NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TCP4600C	MICMP	4-BIT	EVALUATOR CHIP FOR TLCS46/DISENGAGED ROM/160X4 RAM	TLCS46
TCP4610P	MICMP	4-BIT	1-CHIP MICROCOMPUTER/48X4 RAM/1024X8 ROM	TLCS46
TCP4620P	MICMP	4-BIT	1-CHIP MICROCOMPUTER/96X4 RAM/2048X8 ROM	TLCS46
TCP4630P	MICMP	4-BIT	1-CHIP MICROCOMPUTER/160X4 RAM/3072X8 ROM	TLCS46
TD25LS138P	DECDR	8-BIT	1-OUT-OF-8 BINARY DECODER/P8205 REPLACEMENT	9080
TD8216P	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/8080 DATA BUS BUFFER DVR	8080-9080
TDP8212C	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAMILIES	8080-9080
TDP8212P	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080-9080 FAMILIES	8080-9080
TDP8216C	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/8080 DATA BUS BUFFER DVR	8080-9080
TDP8224C	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080-9080 FAMS.	8080-9080
TDP8224P	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080-9080 FAMS.	8080-9080
TDP8226C	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080-9080
TDP8226P	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080-9080
TDP8228C	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMS.	8080-9080
TDP8228P	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080-9080 FAMS.	8080-9080
TIM9904J	CLOCK	.	4-PHASE CLOCK GENERATOR-DRIVER FOR 9900 FAM. (APP. B)/=SN74LS362	9900
TIM9904JL	CLOCK	.	4-PHASE CLOCK GENERATOR-DRIVER FOR 9900 FAM. (APP. B)/=SN74LS362	9900
TIM9904N	CLOCK	.	4-PHASE CLOCK GENERATOR-DRIVER FOR 9900 FAM. (APP. B)/=SN74LS362	9900
TIM9904NL	CLOCK	.	4-PHASE CLOCK GENERATOR-DRIVER FOR 9900 FAM. (APP. B)/=SN74LS362	9900
TIM9905J	MUX	8/3BIT	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/17NS TYP. DELAY	9980-9900
TIM9905N	MUX	8/3BIT	DATA SELECTOR-MULTIPLEXER/8 I-P/1 PAIR COMP. O-P/17NS TYP. DELAY	GEN. PURP.
TIM9906J	LATCH	8-BIT	ADDRESSABLE LATCH/TYP. PROPN. DELAY 20NS/EQVT. TO SN74LS259J	GEN. PURP.
TIM9906N	LATCH	8-BIT	ADDRESSABLE LATCH/TYP. PROPN. DELAY 20NS/EQVT. TO SN74LS259N	GEN. PURP.
TIM9907J	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
TIM9907N	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
TIM9908J	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
TIM9908N	CDCVR	3-BIT	8-DATA-LINES TO 3-LINE-BINARY PRIORITY ENCODER/TYP. DELAY 10NS	9900
TIM9915	MEMCT		DYNAMIC RAM CONTROLLER CHIP SET/TIM9915A+TIM9915B+TIM9915C	9900
TIM9915A	MEMCT		REFRESH TIMING CONTROLLER/ONE OF 3-CHIP SET TIM9915	9900
TIM9915B	MEMCT		MEMORY TIMING CONTROLLER/ONE OF 3-CHIP SET TIM9915	9900
TIM9915C	MEMCT		MULTIPLEXER LATCH/ONE OF 3-CHIP SET TIM9915	9900
TMM121C	EPROM	4-BIT	2K=512X4/MAX. ACCESS 1.5uS	GEN. PURP.
TMM121C-1	EPROM	4-BIT	2K=512X4/MAX. ACCESS 1uS	GEN. PURP.
TMM142C	SRAM	4-BIT	1K=256X4/NON/VOLATILE RAM/MAX. ACCESS 1.5uS/CONTROLLER= T3541A	GEN. PURP.
TMM311P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS /5X 3Y 2CE ADDRESS LINES	9080
TMM311P-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	9080
TMM312P	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS /5X 3Y 1CE ADDRESS LINES	9080
TMM312P-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 1CE ADDRESS LINES	9080
TMM313P	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
TMM313P-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
TMM313P-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
TMM314AP	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
TMM314AP-1	SRAM	4-BIT	4K=1024X1/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
TMM314APL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	8080
TMM314APL-1	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	8080
TMM315C	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMM315C-1	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMM315D	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMM315D-1	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMM315P	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMM315P-1	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMM322C	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMM323C	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085/8080
TMM331AP	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES	GEN. PURP.
TMM332P	MROM	4-BIT	16K=2X(2048X4)/MAX. ACCESS 850NS	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
TOS	DIL-24/2C	CMOS	0C/+70C						TC5001C
TOS	DIL-16/1P	CMOS	0C/+70C						TC5002P
TOS	DIL-16/1P	CMOS	0C/+70C						TC5004P
TOS	DIL-16/1P	CMOS	0C/+70C						TC5006P
TOS	DIL-22/2C	CMOS	0C/+70C						TC5007C
TOS	DIL-16/1P	CMOS	0C/+70C	+5V		TTL	TTL		TC5016AP-1
TOS	DIL-16/1P	CMOS	0C/+70C	+5V		TTL	TTL		TC5016AP-2
TOS	DIL-20/4P	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS		TC5047AP-1
TOS	DIL-20/4P	CMOS	0C/+70C	+5V	110MXMW	TTL	TTL/TS		TC5047AP-2
TOS	DIL-22/4P	CMOS	0C/+70C	+5V	83MXMW	TTL	TTL/TS	P5101L	TC5501P
TOS	DIL-22/4P	CMOS	0C/+70C	+5V	83MXMW	TTL	TTL/TS	P5101-8	TC5501P-1
TOS	DIL-22/4P	CMOS	0C/+70C	+5V	83MXMW	TTL	TTL/TS	P5101L	TC5501P-2
TOS	DIL-18/1C	CMOS	0C/+70C	+5V	110MXMW	TTL/CMOS	TTL/CMOS	HM6504	TC5504C-1
TOS	DIL-18/1C	CMOS	0C/+70C	+5V	110MXMW	TTL/CMOS	TTL/CMOS	HM6504	TC5504C-2
TOS	DIL-18/1P	CMOS	0C/+70C	+5V	110MXMW	TTL/CMOS	TTL/CMOS	HM6504	TC5504P-1
TOS	DIL-18/1P	CMOS	0C/+70C	+5V	110MXMW	TTL/CMOS	TTL/CMOS	HM6504	TC5504P-2
TOS	DIL-16/1P	CMOS	0C/+70C	+5V	55MXMW	TTL	TTL/TS	IM6508-1IJ	TC5508P
TOS	DIL-16/1P	CMOS	0C/+70C	+5V	55MXMW	TTL	TTL/TS	IM6508CJ	TC5508P-1
TOS	DIL-18/1P	CMOS	0C/+70C	+5V		TTL	TTL/TS	P2114	TC5514P-1
TOS	DIL-18/1P	CMOS	0C/+70C	+5V		TTL	TTL/TS	P2114	TC5514P-2
TOS	QIL-64/1P	CMOS	0C/+70C	+5V		TTL	TTL		TCP4600C
TOS	DIL-28/2C	CMOS	0C/+70C	+5V		TTL	TTL		TCP4610P
TOS	DIL-42/2P	CMOS	0C/+70C	+5V		TTL	TTL		TCP4620P
TOS	DIL-42/2P	CMOS	0C/+70C	+5V		TTL	TTL		TCP4630P
TOS	DIL-16/1P	LSTL	0C/+70C	+5V		TTL	TTL	P8205	TD25LS138P
TOS	DIL-16/1P	STLB	0C/+70C	+5V	375MXMW	TTL	TTL/TS	P8216	TD8216P
TOS	DIL-24/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	D8212	TDP8212C
TOS	DIL-24/2P	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	P8212	TDP8212P
TOS	DIL-16/1C	STLB	0C/+70C	+5V	375MXMW	TTL	TTL/TS	D8216	TDP8216C
TOS	DIL-16/1C	STLB	0C/+70C	+5V/+12V	115MXMA		TTL	D8224	TDP8224C
TOS	DIL-16/1C	STLB	0C/+70C	+5V/+12V	115MXMA		TTL	P8224	TDP8224P
TOS	DIL-16/1C	STLB	0C/+70C	+5V		TTL	TTL/TS	D8226	TDP8226C
TOS	DIL-16/1C	STLB	0C/+70C	+5V		TTL	TTL/TS	D8226	TDP8226P
TOS	DIL-28/2C	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D8228	TDP8228C
TOS	DIL-28/2P	TTLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	P8228	TDP8228P
TII	DIL-20/1C	STLB	0C/+70C	+5V/+12V	175MXMA	TTL	TTL	TIM9904N	TIM9904J
TII	DIL-20/1C	STLB	0C/+70C	+5V/+12V	175MXMA	TTL	TTL	TIM9904JN	TIM9904JL
TII	DIL-20/1P	STLB	0C/+70C	+5V/+12V	175MXMA	TTL	TTL	TIM9904J	TIM9904N
TII	DIL-20/1P	STLB	0C/+70C	+5V/+12V	175MXMA	TTL	TTL	TIM9904JL	TIM9904NL
TII	DIL-16/1C	LSTB	0C/+70C	+5V	35TPMW	TTL	TTL/TS	SN746S251J	TIM9905J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	35TPMW	TTL	TTL/TS	SN74S251N	TIM9905N
TII	DIL-16/1C	LSTB	0C/+70C	+5V	22TPMA	TTL	TTL	SN74LS259J	TIM9906J
TII	DIL-16/1P	LSTB	0C/+70C	+5V	22TPMA	TTL	TTL	SN74LS259N	TIM9906N
TII	DIL-16/1C	TTLB	0C/+70C	+5V	190TPMW	TTL	TTL	SN74148J	TIM9907J
TII	DIL-16/1P	TTLB	0C/+70C	+5V	190TPMW	TTL	TTL	SN74148N	TIM9907N
TII	DIL-16/1P	TTLB	0C/+70C	+5V	190TPMW	TTL	TTL/TS	SN74LS348J	TIM9908J
TII	DIL-16/1P	TTLB	0C/+70C	+5V	190TPMW	TTL	TTL/TS	SN74LS348N	TIM9908N
TII		NMOS	0C/+70C	+5V		TTL	TTL		TIM9915
TII	DIL-16/1	NMOS	0C/+70C	+5V		TTL	TTL		TIM9915A
TII	DIL-16/1	NMOS	0C/+70C	+5V		TTL	TTL		TIM9915B
TII	DIL-28/2	NMOS	0C/+70C	+5V		TTL	TTL		TIM9915C
TOS	DIL-24/2C	PMOS	0C/+70C	-9V/+5V/+12V	680MXMW	TTL	TTL/TS		TMM121C
TOS	DIL-24/2C	PMOS	0C/+70C	-9V/-5V/+5V	680MXMW	TTL	TTL/TS		TMM121C-1
TOS	DIL-18/1C	PMOS	0C/+70C	-15V/+5V	840MXMW	TTL	TTL/TS		TMM142C
TOS	DIL-18/1P	NMOS	0C/+70C	+5V	368MXMW	TTL	TTL/TS	P2111	TMM311P
TOS	DIL-18/1P	NMOS	0C/+70C	+5V	368MXMW	TTL	TTL/TS	P2111-2	TMM311P-1
TOS	DIL-16/1P	NMOS	0C/+70C	+5V	368MXMW	TTL	TTL/TS	P2112	TMM312P
TOS	DIL-16/1P	NMOS	0C/+70C	+5V	368MXMW	TTL	TTL/TS	P2112-2	TMM312P-1
TOS	DIL-16/1P	NMOS	0C/+70C	+5V	368MXMW	TTL	TTL/TS	P2102A	TMM313P
TOS	DIL-16/1P	NMOS	0C/+70C	+5V	368MXMW	TTL	TTL/TS	P2102A-2	TMM313P-1
TOS	DIL-16/1P	NMOS	0C/+70C	+5V	368MXMW	TTL	TTL/TS	P2102A-4	TMM313P-4
TOS	DIL-18/1P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	P2114	TM314AP
TOS	DIL-18/1P	NMOS	0C/+70C	+5V	550MXMW	TTL	TTL/TS	P2114-2	TMM314AP-1
TOS	DIL-18/1P	NMOS	0C/+70C	+5V	385MXMA	TTL	TTL/TS	P2114L	TMM314APL
TOS	DIL-18/1P	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL/TS	P2114L-2	TMM314APL-1
TOS	DIL-18/1C	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL/TS	C2147	TMM315C
TOS	DIL-18/1C	NMOS	0C/+70C	+5V	600MXMW	TTL	TTL/TS	C2147-3	TMM315C-1
TOS	DIL-18/1C	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL/TS	C2147	TMM315D
TOS	DIL-18/1C	NMOS	0C/+70C	+5V	600MXMW	TTL	TTL/TS	C2147-3	TMM315D-1
TOS	DIL-18/1C	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL/TS	C2147	TMM315P
TOS	DIL-18/1C	NMOS	0C/+70C	+5V	600MXMW	TTL	TTL/TS	C2147-3	TMM315P-1
TOS	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708	TMM322C
TOS	DIL-24/2Q	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	D2716	TMM323C
TOS	DIL-24/2P	NMOS	0C/+70C	+5V	515MXMW	TTL	TTL/TS	D2316E	TMM331AP
TOS	DIL-24/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS		TMM332P

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
TMM333P	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/8X 4Y 2CS ADDRESS LINES	GEN. PURP.
TMM334P	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES	GEN. PURP.
TMM416C-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDRESS LINES	GEN. PURP.
TMM416C-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX. ADDRESS LINES	GEN. PURP.
TMM416D-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MUX. ADDRESS LINES	GEN. PURP.
TMM416D-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MUX. ADDRESS LINES	GEN. PURP.
TMM416D-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MUX. ADDRESS LINES	GEN. PURP.
TMP4110P	MICMP	4-BIT	1-CHIP MICROCOMPUTER/MICROPROCESSOR FOR ECR, 100uSEC INST.	ORIGINAL
TMP4190P	PRTRC	.	PRINTER CONTROLLER FOR CR-101	TCLS-41
TMP4191P	PRTRC	.	PRINTER CONTROLLER FOR CR-330	TCLS-41
TMP4300C	MICMP	4-BIT	EVALUATOR CHIP FOR TLCS-43/128X4 RAM	TLCS-43
TMP4310P	MICMP	4-BIT	1-CHIP MICROCOMPUTER/48X4 RAM/1024X8 ROM	TLCS43
TMP4315AP	MICMP	4-BIT	1-CHIP MICROCOMPUTER/64X4 RAM/1536X8 ROM	TLCS43
TMP4320P	MICMP	4-BIT	1-CHIP MICROCOMPUTER/128X4 RAM/2048X8 ROM	TLCS43
TMP8048C	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
TMP8048P	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
TMP8085AC	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.2uS	8085
TMP8085AP	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL CLOCK/MIN. CLOCK PERIOD 1.2uS	8085
TMP8155C	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8048-8085
TMP8155P	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8048-8085
TMP8355C	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8 ADDR.-DATA 2CE ADD. LINES	8048-8085
TMP8355P	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8 ADDR.-DATA 2CE ADDR. LINES	8048-8085
TMP8755C	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8X 3Y 2CE ADDRESS LINES	8085
TMP9080AC	MPU	8-BIT	1-CHIP CPU OF 9080 FAM. (APP. B)/MIN. CLOCK PERIOD 480NS	9080
TMP9080AP	MPU	8-BIT	1-CHIP CPU OF 9080 FAM. (APP. B)/MIN. CLOCK PERIOD 480NS	9080
TMP9517C	DMAC	8-BIT	MULTIMODE DMA CONTROLLER/8257 REPLACEMENT	8080-9080
TMP9517P	DMAC	8-BIT	MULTIMODE DMA CONTROLLER/8257 REPLACEMENT	8080-9080
TMP9519C	ITRPC	8-BIT	UNIVERSAL INTERRUPT CONTROLLER/8259 REPLACEMENT	8080-9080
TMP9519P	ITRPC	8-BIT	UNIVERSAL INTERRUPT CONTROLLER/8259 REPLACEMENT	8080-9080
TMP9551C	USART	5-8BIT	UNIVERSAL SYNCHRONOUS-ASYNCHRONOUS RECEIVER-TRANSMITTER	9080-8080
TMP9551P	USART	5-8BIT	UNIVERSAL SYNCHRONOUS-ASYNCHRONOUS RECEIVER-TRANSMITTER	9080-8080
TMP9555C	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM.	8080-9080
TMP9555P	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM.	8080-9080
TMS40L44JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L44NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L44-20JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L44-20NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L44-25JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L44-25NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L45JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L45NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L45-25JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L45-25NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L45-30JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L45-30NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L45-45JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L45-45NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L46JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS40L46NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS40L46-20JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS40L46-20NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMSO4L46-25JL	SRAM	1-BIT	4K=4096X1.MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS40L46-25NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS40L46-45JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS40L46-45NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS40L47JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L47NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L47-25JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L47-30JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L47-30NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L47-45JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS40L47-45NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS1000JL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/28 PIN/20V RATED/1KX8 ROM/64X4 RAM	1000
TMS1000NL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/28 PIN/20V RATED/1KX8 ROM/64X4 RAM	1000
TMS1070JL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/28 PIN/35V RATED/1KX8 ROM/64X4 RAM	1000
TMS1070NL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/28 PIN/35V RATED/1KX8 ROM/64X4 RAM	1000
TMS1099JLSE1	TESTC	4-BIT	SYSTEM EVALUATORS FOR TMS1000/1200 SYSTEMS	1000
TMS1100JL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/28 PIN/20V RATED/2KX8 ROM/128X4 RAM	1000
TMS1100NL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/28 PIN/20V RATED/2KX8 ROM/128X4 RAM	1000
TMS1200NL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/40 PIN/20V RATED/1KX8 ROM/64X4 RAM	1000
TMS1270JL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/40 PIN/35V RATED/1KX8 ROM/64X4 RAM	1000
TMS1270NL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/40 PIN-35V RATED/1KX8 ROM/64X4 RAM	1000
TMS1300JL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/40-PIN/20V RATED/2KX8 ROM/128XK RAM	1000
TMS1300NL	MICMP	4-BIT	1-CHIP MICROCOMPUTER/40 PIN/20V RATED/2KX8 ROM/128X4 RAM	1000
TMS2101	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
TOS	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	R2332	TMM333P
TOS	DIL-24/2P	NMOS	0C/+70C	+5V	420MXMW	TTL	TTL/TS		TMM334P
TOS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116J-3	TMM416C-3
TOS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116P-4	TMM416C-4
TOS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116P-2	TMM416D-2
TOS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116P-3	TMM416D-3
TOS	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4116P-4	TMM416D-4
TOS	DIL-42/2P	NMOS	0C/+70C			TTL	TTL		TMP4110P
TOS	DIL-42/2P	NMOS	0C/+70C			TTL	TTL		TMP4190P
TOS	DIL-42/2P	NMOS	0C/+70C			TTL	TTL		TMP4191P
TOS	QIL-64/1C	NMOS	0C/+70C			TTL	TTL		TMP4300C
TOS	DIL-28/2P	NMOS	0C/+70C			TTL	TTL		TMP4310P
TOS	DIL-42/2P	NMOS	0C/+70C			TTL	TTL		TMP4315AP
TOS	DIL-42/2P	NMOS	0C/+70C			TTL	TTL		TMP4320P
TOS	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	D8048	TMP8048C
TOS	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8048	TMP8048P
TOS	DIL-40/2C	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	C8085A	TMP8085AC
TOS	DIL-40/2P	NMOS	0C/+70C	+5V	170MXMA	TTL	TTL	C8085A	TMP8085AP
TOS	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	D8155	TMP8155C
TOS	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8155	TMP8155P
TOS	DIL-40/2C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8355	TMP8355C
TOS	DIL-40/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	P8355	TMP8355P
TOS	DIL-40/2Q	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8755	TMP8755C
TOS	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL	AM9080ADC	TMP9080AC
TOS	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL	AM9080APC	TMP9080AP
TOS	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS	AM9517DC	TMP9517C
TOS	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL/TS	AM9517DC	TMP9517P
TOS	DIL-28/2C	NMOS	0C/+70C	+5V	50TPMA	TTL	TTL/TS	AM9519DC	TMP9519C
TOS	DIL-28/2P	NMOS	0C/+70C	+5V	50TPMA	TTL	TTL/TS	AM9519DC	TMP9519P
TOS	DIL-28/2C	NMOS	0C/+70C	+5V		TTL	TTL	AM9551DC	TMP9551C
TOS	DIL-28/2C	NMOS	0C/+70C	+5V		TTL	TTL	AM9551PC	TMP9551P
TOS	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	AM9555DC	TMP9555C
TOS	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	AM9555DC	TMP9555P
TII	DIL-18/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L44-45JL	TMS40L44JL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L44-45NL	TMS40L44NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L44-20JL	TMS40L44-20JL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L44-20JL	TMS40L44-20NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L44-25NL	TMS40L44-25JL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L4-25JL	TMS40L44-25NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	MCM21L14-45C	TMS40L45JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	MCM21L14-45C	TMS40L45NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	MCM21L14-45C	TMS40L45-25JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	MCM21L14-25C	TMS40L45-25NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	MCM21L14-30C	TMS40L45-30JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	MCM21L14-30P	TMS40L45-30NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	MCM21L14-45C	TMS40L45-45JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	MCM21L14-45P	TMS40L45-45NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L46JN	TMS40L46JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L46JL	TMS40L46NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L46-20NL	TMS40L46-20JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L46-20JL	TMS40L46-20NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L46-25NL	TMS40L46-25JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L46-25JL	TMS40L46-25NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L46-45NL	TMS40L46-45JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	TMS40L46-45JL	TMS40L46-45NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	TMS40L47NL	TMS40L47JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	TMS40L47JL	TMS40L47NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	TMS40L47-25NL	TMS40L47-25JL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	TMS40L47-30NL	TMS40L47-30JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	TMS40L47-30JL	TMS40L47-30NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	TMS40L47-45NL	TMS40L47-45JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	370MXMW	TTL	TTL/TS	TMS40L47-45JL	TMS40L47-45NL
TII	DIL-28/2C	PMOS	0C/+70C	-15V	10MXMA	-4/-1.3V			TMS1000JL
TII	DIL-28/2P	PMOS	0C/+70C	-15V	10MXMA	-4/-1.3V			TMS1000NL
TII	DIL-28/2C	PMOS	0C/+70C	-15V	10MXMA	-8/-6V			TMS1070JL
TII	DIL-28/2P	PMOS	0C/+70C	-15V	10MXMA	-8/-6V			TMS1070NL
TII	DIL-64/3C	PMOS	0C/+70C	-15V	11MXMA	-4/-1.3V			TMS1099JL/SE1
TII	DIL-28.2C	PMOS	0C/+70C	-15V	11MXMA	-4/-1.3V			TMS1100JL
TII	DIL-28/2P	PMOS	0C/+70C	-15V	11MXMA	-4/-1.3V			TMS1100NL
TII	DIL-40/2P	PMOS	0C/+70C	-15V	10MXMA	-4/-1.3V			TMS1200NL
TII	DIL-40/2C	PMOS	0C/+70C	-15V	10MXMA	-8/-6V			TMS1270JL
TII	DIL-40/2P	PMOS	0C/+70C	-15V	10MXMA	-8/-6V			TMS1270NL
TII	DIL-40/2C	PMOS	0C/+70C	-15V	11MXMA	-4/-1.3V			TMS1300JL
TII	DIL-40/2P	PMOS	0C/+70C	-15V	11MXMA	-4/-1.3V			TMS1300NL
TII	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	TMS2101

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
TMS2101JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
TMS2101NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
TMS2101-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
TMS2101-1JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS2101-1NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS2101-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
TMS2101-2JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
TMS2101-2NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS2102JL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS2102NL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS2102-1JL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS2102-1NL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS2102-2JL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS2102-2NL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS2111JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS2111NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS2111-1JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS2111-1NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS2111-2JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS2111-2NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS2112JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS2112NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS2112-2JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS2112-2NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS4008JL	PROM	8-BIT	8K=1024X8/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4008NL	PROM	8-BIT	8K=1024X8/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4016JL	PROM	8-BIT	16K=2048X8/MAX. ACCESS 150NS/7X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4016NL	PROM	8-BIT	16K=2048X8/MAX. ACCESS 150NS/7X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4027-15JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
TMS4027-15NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
TMS4027-20JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
TMS4027-20NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
TMS4027-25JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
TMS4027-25NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/ 6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
TMS4030JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4030JR	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4030NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4030-1JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4030-1NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4030-2JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4030-2NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4033JL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4033NL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4033/21021JL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4033/21021NL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4034JL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4034NL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4034/21022JL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4034/21022NL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4035JL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4035NL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4035/2102JL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4035/2102NL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
TMS4036JL	SRAM	8-BIT	512=64X8/MAX. ACCESS 1uS/6 ADDRESS LINES	GEN. PURP.
TMS4036NL	SRAM	8-BIT	512=64X8/MAX. ACCESS 1uS/6 ADDRESS LINES	GEN. PURP.
TMS4036-1JL	SRAM	8-BIT	512=64X8/MAX. ACCESS 650NS/6 ADDRESS LINES	GEN. PURP.
TMS4036-1NL	SRAM	8-BIT	512=64X8/MAX. ACCESS 650NS/6 ADDRESS LINES	GEN. PURP.
TMS4036-2JL	SRAM	8-BIT	512=64X8/MAX. ACCESS 450NS/6 ADDRESS LINES	GEN. PURP.
TMS4036-2NL	SRAM	8-BIT	512=64X8/MAX. ACCESS 450NS/6 ADDRESS LINES	GEN. PURP.
TMS4039JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
TMS4039NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
TMS4039-1JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4039-1NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4039-2JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4039-2NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4039/2101JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
TMS4039/2101NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
TMS4042JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4042NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4042-1JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4042-1NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4042-2JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4042-2NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4042/2111JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
TMS4042/2111NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
TII	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	B2101A-4	TMS2101JL
TII	DIL-22/4P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4039NL	TMS2101NL
TII	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	TMS2101-1
TII	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4039-2JL	TMS2101-1JL
TII	DIL-22/4P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4039-2NL	TMS2101-1NL
TII	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	TMS2101-2
TII	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4039-1JL	TMS2101-2JL
TII	DIL-22/4P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2101A-4	TMS2101-2NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	TMS4035JL	TMS2102JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	TMS4035NL	TMS2102NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	TMS4033JL	TMS2102-1JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A	TMS2102-1NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	TMS4034JL	TMS2102-2JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	TMS4034NL	TMS2102-2NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4042JL	TMS2111JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4042NL	TMS2111NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4042-2JL	TMS2111-1JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4042-2NL	TMS2111-1NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	C2111A	TMS2111-2JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4042-1NL	TMS2111-2NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4043JL	TMS2112JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4043NL	TMS2112NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4043-1JL	TMS2112-2JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS4043-1JL	TMS2112-2NL
TII	DIL-24/2C	NMOS	0C/+70C	+5V	495MXMW	TTL	TTL/TS		TMS4008JL
TII	DIL-24/2P	NMOS	0C/+70C	+5V	495MXMW	TTL	TTL/TS		TMS4008NL
TII	DIL-24/2C	NMOS	0C/+70C	+5V	495MXMW	TTL	TTL/TS		TMS4016JL
TII	DIL-24/2P	NMOS	0C/+70C	+5V	495MXMW	TTL	TTL/TS		TMS4016NL
TII	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	40MXMA	TTL	TTL	MK4027P-2	TMS4027-15JL
TII	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	40MXMA	TTL	TTL	MK4027N-2	TMS4027-15NL
TII	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	40MXMA	TTL	TTL	MK4027P-3	TMS4027-20JL
TII	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	40MXMA	TTL	TTL	MK4027N-3	TMS4027-20NL
TII	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	40MXMA	TTL	TTL	MK4027P-4	TMS4027-25JL
TII	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	40MXMA	TTL	TTL	MK4027N-4	TMS4027-25NL
TII	DIL-22/4C	NMOS	0C/+70C	-3V/+5V/+12V	60MXMA	TTL	TTL		TMS4030JL
TII	DIL-22/4C	NMOS	-55C/+85C	-5V/+5V/+12V	80MXMA	TTL	TTL	SMC4030JR	TMS4030JR
TII	DIL-22/4P	NMOS	0C/+70C	-3V/+5V/+12V	60MXMA	TTL	TTL		TMS4030NL
TII	DIL-22/1C	NMOS	0C/+70C	-3V/+5V/+12V	60MXMA	TTL	TTL		TMS4030-1JL
TII	DIL-22/4P	NMOS	0C/+70C	-3V/+5V/+12V	60MXMA	TTL	TTL		TMS4030-1NL
TII	DIL-22/4C	NMOS	0C/+70C	-3V/+5V/+12V	60MXMA	TTL	TTL		TMS4030-2JL
TII	DIL-22/4P	NMOS	0C/+70C	-3V/+5V/+12V	60MXMA	TTL	TTL		TMS4030-2NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A	TMS4033JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A	TMS4033NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A	TMS4033/21021JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A	TMS4033/21021NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A	TMS4034JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A	TMS4034NL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A	TMS4034/21022JL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A	TMS4034/21022NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A	TMS4035JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A	TMS4035NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A	TMS4035/2102JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2102A	TMS4035/2102NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL/TS		TMS4036JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL/TS		TMS4036NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL/TS		TMS4036-1JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL/TS		TMS4036-1NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL/TS		TMS4036-2JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL/TS		TMS4036-2NL
TII	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	B2101A-4	TMS4039JL
TII	DIL-22/4P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2101A-4	TMS4039NL
TII	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	B2101A-4	TMS4039-1JL
TII	DIL-22/4P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2101A-4	TMS4039-1NL
TII	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	B2101A-4	TMS4039-2JL
TII	DIL-22/4P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2101A-4	TMS4039-2NL
TII	DIL-22/4C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	B2101A-4	TMS4039/2101JL
TII	DIL-22/4P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2101A-4	TMS4039/2101NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	C2111	TMS4042JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111	TMS4042NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	TMS2111-2JL	TMS4042-1JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A	TMS4042-1NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	C2111A	TMS4042-2JL
TII	*DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111A	TMS4042-2NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	C2111	TMS4042/2111JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2111	TMS4042/2111NL

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
TMS4043JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS4043NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS4043-1JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS4043-1NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS4043-2JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS4043-2NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS4043/2112JL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS4043/2112NL	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y 1CS ADDRESS LINES	GEN. PURP.
TMS4044JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4044NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4044-15JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4044-15NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4044-20JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4044-20NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4044-30JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4044-30NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4044-45JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4044-45NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4045JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4045NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4045-15JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4045-15NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4045-20JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4045-20NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4045-30JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4045-30NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4045-45JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4045-45NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4046JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS4046NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS4046-15JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4046-15NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4046-20JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4046-20NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4046-25JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS4046-25NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS4046-30JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4046-30NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4046-45JL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4046-45NL	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4047JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4047NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4047-15JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES/2 DC LINES	GEN. PURP.
TMS4047-15NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/6X 4Y 1CS ADDRES LINES	GEN. PURP.
TMS4047-20JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4047-20NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4047-30JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4047-30NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4047-45JL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4047-45NL	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
TMS4050JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4050JR	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4050NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4050-1JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4050-1NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4050-2JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4050-2NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4050-3JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4050-3NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4051JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4051NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4051-1JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4051-1NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4060JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4060JR	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y ADDRESS LINES	GEN. PURP.
TMS4060NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4060-1JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4060-1NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4060-2JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4060-2NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4060-3JL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4060-3NL	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
TMS4070JL	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 350NS/7 ADDRESS LINES	GEN. PURP.
TMS4071-15JL	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/2-CLOCK	GEN. PURP.
TMS4071-15NL	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/2-CLOCK	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
TII	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2112A	TMS4043JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2112A	TMS4043NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2112A	TMS4043-1JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2112A	TMS4043-1NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2112A	TMS4043-2JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2112A	TMS4043-2NL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	D2111A	TMS4043/2112JL
TII	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS	P2112A	TMS4043/2112NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L44JL	TMS4044JL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L44NL	TMS4044NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS4044-15NL	TMS4044-15JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS4044-15JL	TMS4044-15NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L44-20JL	TMS4044-20JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L44-20NL	TMS4044-20NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L44-30JL	TMS4044-30JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L44-30NL	TMS4044-30NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS		TMS4044-45JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L44-45NL	TMS4044-45NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	MCM2114-45C	TMS4045JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	275MXMW	TTL	TTL/TS	MCM2114-45P	TMS4045NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	MCM2114-15C	TMS4045-15JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	MCM2114-15P	TMS4045-15NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	C2114-2	TMS4045-20JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	P2114-2	TMS4045-20NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	C2114-3	TMS4045-30JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	P2114-3	TMS4045-30NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	D2114-3	TMS4045-45JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	80TPMA	TTS	TTL/TS	P2114-3	TMS4045-45NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L46JL	TMS4046JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L46NL	TMS4046NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS4046-15NL	TMS4046-15JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS4046-15JL	TMS4046-15NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L46-20JL	TMS4046-20JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L46-20NL	TMS4046-20NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L46-25JL	TMS4046-25JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L46-25JL	TMS4046-25NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L46-30JL	TMS4046-30JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L46-30NL	TMS4046-30NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L46-45JL	TMS4046-45JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	440MXMW	TTL	TTL/TS	TMS40L46-45NL	TMS4046-45NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	TMS40L47JL	TMS4047JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	TMS40L47NL	TMS4047NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	TMS4047-15NL	TMS4047-15JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	TMS4047-15JL	TMS4047-15NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	TMS4047NL	TMS4047-20JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	TMS4047-20PL	TMS4047-20NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	TMS40L47-30JL	TMS4047-30JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	TMS40L47-30NL	TMS4047-30NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	TMS40L47-45JL	TMS4047-45JL
TII	DIL-20/1P	NMOS	0C/+70C	+5V	80TPMA	TTL	TTL/TS	TMS40L47-45NL	TMS4047-45NL
TII	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	60MXMA	TTL	TTL/OD	uPD418D	TMS4050JL
TII	DIL-18/1C	NMOS	-55C/+85C	-5V/+5V/+12V	80MXMA	TTL	TTL	SYC4050	TMS4050JR
TII	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	60MXMA	TTL	TTL/OD	SYP4050	TMS4050NL
TII	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	60MXMA	TTL	TTL/OD	uPD418D-1	TMS4050-1JL
TII	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	60MXMA	TTL	TTL/OD	uPD418C-1	TMS4050-1NL
TII	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	60MXMA	TTL	TTL/OD	uPD418D-2	TMS4050-2JL
TII	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	60MXMA	TTL	TTL/OD	uPD418C-2	TMS4050-2NL
TII	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	60MXMA	TTL	TTL/OD	uPD418C-3	TMS4050-3JL
TII	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	60MXMA	TTL	TTL/OD	uPD418C-3	TMS4050-3NL
TII	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	70MXMA	TTL	TTL/OD		TMS4051JL
TII	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	70MXMA	TTL	TTL/OD		TMS4051NL
TII	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	70MXMA	TTL	TTL/OD		TMS4051-1JL
TII	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	70MXMA	TTL	TTL/OD		TMS4051-1NL
TII	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	60MXMA	TTL	TTL	D2107C-4	TMS4060JL
TII	DIL-22/4C	NMOS	-55C/+85C	-5V/+5V/+12V	80MXMA	TTL	TTL	MD2107C	TMS4060JR
TII	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	60MXMA	TTL	TTL	P2107C-4	TMS4060NL
TII	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	60MXMA	TTL	TTL	D2107C-2	TMS4060-1JL
TII	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	60MXMA	TTL	TTL	P2107C-2	TMS4060-1NL
TII	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	60MXMA	TTL	TTL	D2107C-2	TMS4060-2JL
TII	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	60MXMA	TTL	TTL	P2107C-2	TMS4060-2NL
TII	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	60MXMA	TTL	TTL	D2107C-1	TMS4060-3JL
TII	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	60MXMA	TTL	TTL	P2107C-1	TMS4060-3NL
TII	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	600TPMW	TTL	TTL/TS	MK4116P-4	TMS4070JL
TII	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	540MXMW	TTL			TMS4071-15JL
TII	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	540MXMW	TTL			TMS4071-15NL

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
TMS4071-20JL	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/2-CLOCK	GEN. PURP.
TMS4071-20NL	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/2-CLOCK	GEN. PURP.
TMS4116-15JL	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
TMS4116-20JL	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
TMS4116-25JL	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 MULTIPLEXED ADDRESS LINES	GEN. PURP.
TMS4164JL	DRAM	1-BIT	64K=65536X1	GEN. PURP.
TMS4700JL	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y ADDRESS LINES/MROM EQVT. 2708	GEN. PURP.
TMS4700NL	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y ADDRESS LINES	GEN. PURP.
TMS4710JL	CHRGN	8-BIT	8K=1024X8 ROM/PREPROGRAMMED 4700/ UPPER AND LOWER CASE5X7 ASCII	GEN. PURP.
TMS4710NL	CHRGN	8-BIT	8K=1024X8 ROM/PREPROGRAMMED 4700/ UPPER AND LOWER CASE5X7 ASCII	GEN. PURP.
TMS4732JL	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES	GEN. PURP.
TMS4732NL	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/12 ADDRESS 2CS LINES	GEN. PURP.
TMS4800JL	MROM	4-BIT	16K=4096X4/MAX. ACCESS 700NS/11 ADDRESS,2CS LINES	GEN. PURP.
TMS4800NL	MROM	4-BIT	16K=4096X4/MAX. ACCESS 700NS/11 ADDRESS,2CS LINES	GEN. PURP.
TMS5501JL	IOCTR	8-BIT	INPUT-OUTPUT CONTROLLER/ MULIFUNCTION/FOR 8080 FAMILY (APP. B)	8080
TMS5501NL	IOCTR	8-BIT	INPUT-OUTPUT CONTROLLER/ MULTIFUNCTION/FOR 8080 FAMILY(APP. B)	8080
TMS6011JC	UART	5-8BIT	ASYNCHRONOUS DATA INTERFACE/DC-100KHZ/SERIAL-PARALLEL CONVERSION	GEN. PURP.
TMS6011NC	UART	5-8BIT	ASYNCHRONOUS DATA INTERFACE/DC-100KHZ/SERIAL-PARALLEL CONVERSION	GEN. PURP.
TMS8080AJL	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAMILY (APP. B)/MIN. CLOCK PERIOD 480NS	8080
TMS8080ANL	MPU	8-BIT	SINGLE-CHIP CPU OF 8080 FAMILY (APP. B)/MIN. CLOCK PERIOD 480NS	8080
TMS9900	CPU	16-BIT	1-CHIP CPU FOR 9900 FAMILY (APP. B)/3.3MHZ MAX. CLOCK SPEED	9900
TMS9900-40	CPU	16-BIT	1-CHIP CPU FOR 9900 FAM. (APP. B)/ /IMPROVED (4MHZ) TMS9900	9900
TMS9901JL	PCI	16-BIT	PROGRAMMABLE SYSTEMS INTERFACE FOR 9900/9980 FAM./500KHZ MAX CLK	9900/9980
TMS9901NL	PCI	16-BIT	PROGRAMMABLE SYSTEMS INTERFACE FOR 9900/9980 FAM./500KHZ MAX CLK	9900/9980
TMS9901-40JL	PCI	16-BIT	PROGRAMMABLE SYSTEMS INTERFACE FOR 9900/9980 FAM./1.5MHZ MAX CLK	9900/9980
TMS9901-40NL	PCI	16-BIT	PROGRAMMABLE SYSTEMS INTERFACE FOR 9900/9980 FAM./1.5MHZ MAX CLK	9900/9980
TMS9902JL	UART	.	ASYNCHRONOUS COMMUNICATION CONTROLLER FOR 9900 FAMILY (APP. B)	9900
TMS9902NL	UART	.	ASYNCHRONOUS COMMUNICATION CONTROLLER FOR 9900 FAMILY (APP. B)	9900
TMS9902-40JL	UART	.	ASYNCHRONOUS COMMUNICATION CONTROLLER FOR 9900 FAM./1.5MHZ CLOCK	9900-40
TMS9902-40NL	UART	.	ASYNCHRONOUS COMMUNICATION CONTROLLER FOR 9900 FAM./1.5MHZ CLOCK	9900-40
TMS9903JL	USRT	7-9BIT	CRU INTERFACE/ SYNC. COMMS. CONTROLLER/9900 FAM. (APP. B)	9900-9980
TMS9903NL	USRT	7-9BIT	CRU INTERFACE/ SYNC. COMMS. CONTROLLER/9900 FAM. (APP. B)	9900-9980
TMS9909JL	FLPDC	8-BIT	FLOPPY DISK CONTROLLER/SINGLE OR DOUBLE DENSITY/IBM3740 AND 2D	9900
TMS9909NL	FLPDC	8-BIT	FLOPPY DISK CONTROLLER/SINGLE OR DOUBLE DENSITY/IBM3740 AND 2D	9900
TMS9911JL	DMAC	16-BIT	DIRECT MEMORY ACCESS CONTROLLER	9900
TMS9911NL	DMAC	16-BIT	DIRECT MEMORY ACCESS CONTROL	9900
TMS9914	IFACE	16-BIT	GENERAL PURPOSE INTERFACE BUS ADAPTER	9900
TMS9927JL	VDUC	8-BIT	VIDEO TIMER-CONTROLLER	9900
TMS9927NL	VDUC	8-BIT	VIDEO TIMER-CONTROLLER	9900
TMS9932JC	RAROM	8-BIT	COMBINATION ROM-RAM MEMORY/15K=1920X8 ROM/1K=128X8 RAM	9900
TMS9932NC	RAROM	8-BIT	COMBINATION ROM-RAM MEMORY/15K=1920X8 ROM/1K=128X8 RAM	9900
TMS9940E	MICMP	16-BIT	1-CHIP MICROCOMPUTER/EPROM VERSION OF TMS9940/QUARTZ WINDOW/5MHZ	9940
TMS9940E-10	MICMP	16-BIT	1-CHIP MICROCOMPUTER/EPROM VERSION OF TMS9940/QUARTZ WINDOW/1MHZ	9940
TMS9940E-20	MICMP	16-BIT	1-CHIP MICROCOMPUTER/EPROM VERSION OF TMS9940/QUARTZ WINDOW/2MHZ	9940
TMS9940E-30	MICMP	16-BIT	1-CHIP MICROCOMPUTER/EPROM VERSION OF TMS9940/QUARTZ WINDOW/3MHZ	9940
TMS9940E-40	MICMP	16-BIT	1-CHIP MICROCOMPUTER/EPROM VERSION OF TMS9940/QUARTZ WINDOW/4MHZ	9940
TMS9940JL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/2KX8 PROM /128X8 RAM INTEGRAL/5MHZ CLOCK	9940
TMS9940M-10JL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/16K=2048X8 PROM/1K=128X8 RAM/1MHZ CLOCK	9940
TMS9940M-10NL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/16K=2048X8 PROM/1K=128X8 RAM/1MHZ CLOCK	9940
TMS9940M-20JL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/16K=2048X8 PROM/1K=128X8 RAM/2MHZ CLOCK	9940
TMS9940M-20NL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/16K=2048X8 PROM/1K=128X8 RAM/2MHZ CLOCK	9940
TMS9940M-30JL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/16K=2048X8 PROM/1K=128X8 RAM/3MHZ CLOCK	9940
TMS9940M-30NL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/16K=2048X8 PROM/1K=128X8 RAM/3MHZ CLOCK	9940
TMS9940M-40JL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/16K=2048X8 PROM/1K=128X8 RAM/4MHZ CLOCK	9940
TMS9940M-40NL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/16K=2048X8 PROM/1K=128X8 RAM/4MHZ CLOCK	9940
TMS9940MJL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/16K=2048X8 PROM/1K=128X8 RAM/5MHZ CLOCK	9940
TMS9940MNL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/16K=2048X8 PROM/1K=128X8 RAM/5MHZ CLOCK	9940
TMS9940NL	MICMP	16-BIT	1-CHIP MICROCOMPUTER/2KX8 EPROM/128X8 RAM INTEGRAL/5MHZ CLOCK	9940
TMS9980A	CPU	16-BIT	1-CHIP CPU OF 9980 FAM. (APP. B)/8-BIT DATA BUS	9980
TMS9980JL	CPU	16-BIT	1-CHIP CPU OF 9980 FAMILY (APP. B)/8-BIT DATA BUS	9980
TMS9980NL	CPU	8-BIT	1-CHIP CPU OF 9980 FAMILY (APP. B)/8-BIT DATA BUS	9980
TMS9981	CPU	8-BIT	1-CHIP CPU OF 9980 FAM./INTERNAL OSCILLATOR VERSION OF TMS9980	9980
TMS9985	MICMP	16-BIT	1-CHIP MICROCOMPUTER/256X16 RAM /TIMER-COUNTER/5MHZ CLOCK	9940
UC1671A	USART	5-8BIT	ASYNCHRONOUS-SYNCHRONOUS TRANSMITTER-RECEIVER	8080
UC1671B	USART	5-8BIT	ASYNCHRONOUS-SYNCHRONOUS TRANSMITTER-RECEIVER	8080
XC8T95L	BUFFR	6-BIT	HEX 3-STATE BUFFER-INVERTER/ INV./SINGLE 6-GROUP BUS ENABLE	6800
XC8T95P	BUFFR	6-BIT	HEX 3-STATE BUFFER INVERTER/ INV./SINGLE 6-GROUP BUS ENABLE	6800
XC8T96L	BUFFR	6-BIT	HEX 3-STATE BUFFER-INVERTER/INV./SINGLE 6-GROUP BUS ENABLE	6800
XC8T96P	BUFFR	6-BIT	HEX 3-STATE BUFFER-INVERTER/INV./SINGLE 6-GROUP BUS ENABLE	6800
XC8T97L	BUFFR	6-BIT	HEX 3-STATE BUFFER-INVERTER/ INV./6+2 GROUPS BUS ENABLES	6800
XC8T97P	BUFFR	6-BIT	HEX 3-STATE BUFFER-INVERTER/ INV./6+2 GROUPS BUS ENABLES	6800
XC8T98L	BUFFR	6-BIT	HEX 3-STATE BUFFER-INVERTER/INV./6+2 GROUPS BUS ENABLES	
XC8T98P	BUFFR	6-BIT	HEX 3-STATE BUFFER-INVERTER/INV./6+2 GROUPS BUS ENABLES	6800
XC3449L	EXPIO	8-BIT	TRIPLE BIDIRECTIONAL BUS EXTENDER SWITCH/=MC6881L	6800
XC3449P	EXPIO	8-BIT	TRIPLE BI-DIRECTIONAL BUS EXTENDER SWITCH/=MC6881P	6800

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
TII	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	540MXMW	TTL			TMS4071-20JL
TII	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	540MXMW	TTL			TMS4071-20NL
TII	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MCM4116C-15	TMS4116-15JL
TII	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MCM4116C-20	TMS4116-20JL
TII	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MCM4116C-25	TMS4116-25JL
TII	DIL-16/1C	NMOS	0C/+70C	+5V	200MXMW	TTL	TTL		TMS4164JL
TII	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	25TPMA	TTL	TTL/TS	EA4700DC	TMS4700JL
TII	DIL-24/2P	NMOS	0C/+70C	-5V/+5V/+12V	25TPMA	TTL	TTL/TS	uA4700DC	TMS4700NL
TII	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	310TPMW	TTL	TTL/TS	TMS4710NL	TMS4710JL
TII	DIL-24/2P	NMOS	0C/+70C	-5V/+5V/+12V	310TPMW	TTL	TTL/TS	TMS4710JL	TMS4710NL
TII	DIL-24/2C	NMOS	0C/+70C	+5V	300MXMW	TTL	TTL/TS	uPD2332	TMS4732JL
TII	DIL-24/2P	NMOS	0C/+70C	+5V	300MXMW	TTL	TTL/TS	uPD2332	TMS4732NL
TII	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	40MXMA	TTL	TTL/OD	TMS4800NL	TMS4800JL
TII	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	40MXMA	TTL	TTL/OD	TMS4800JL	TMS4800NL
TII	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	100MXMA	TTL	TTL	TMS5501NL	TMS5501JL
TII	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	100MXMA	TTL	TTL	TMS5501JL	TMS5501NL
TII	DIL-40/2C	PMOS	0C/+70C	-12V/+5V	30MXMA	TTL	TTL/TS	TMS6011NC	TMS6011JC
TII	DIL-40/2P	PMOS	0C/+70C	-12V/+5V	30MXMA	TTL	TTL/TS	TMS6011JC	TMS6011NC
TII	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	D8080A	TMS8080AJL
TII	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	P8080	TMS8080ANL
TII	DIL-64/3C	NMOS	0C/+70C	-5V/+5V/+12V	125TPMA	TTL	TTL		TMS9900
TII	DIL-64/3C	NMOS	0C/+70C	-5V/+5V/+12V	125TPMA	TTL	TTL		TMS9900-40
TII	DIL-40/2C	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL	TMS9901NL	TMS9901JL
TII	DIL-40/2P	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL	TMS9901NL	TMS9901NL
TII	DIL-40/2C	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL	TMS9901-40NL	TMS9901-40JL
TII	DIL-40/2P	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL	TMS9901-40JL	TMS9901-40NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	100TPMA	TTL	TTL	TMS9902NL	TMS9902JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	100TPMA	TTL	TTL	TMS9902NL	TMS9902NL
TII	DIL-18/1C	NMOS	0C/+70C	+5V	100TPMA	TTL	TTL	TMS9902-40NL	TMS9902-40JL
TII	DIL-18/1P	NMOS	0C/+70C	+5V	100TPMA	TTL	TTL	TMS9902-40JL	TMS9902-40NL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	TMS9903NL	TMS9903JL
TII	DIL-20/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	TMS9903JL	TMS9903NL
TII	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	TMS9909NL	TMS9909JL
TII	DIL-40/2P	NMOS	0C/+75C	+5V		TTL	TTL	TMS9909JL	TMS9909NL
TII	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	TMS9911NL	TMS9911JL
TII	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	TMS9911JL	TMS9911NL
TII	DIL-	NMOS	0C/+70C	+5V		TTL	TTL		TMS9914
TII	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	TMS9927NL	TMS9927JL
TII	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	TMS9927JL	TMS9927NL
TII	DIL-24/2C	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS9932NC	TMS9932JC
TII	DIL-24/2P	NMOS	0C/+70C	+5V		TTL	TTL/TS	TMS9932JC	TMS9932NC
TII	DIL-40/2Q	NMOS	0C/+70C	+5V	150MXMA		TTL	S9940E	TMS9940E
TII	DIL-40/2Q	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940E-20	TMS9940E-10
TII	DIL-40/2Q	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940E-30	TMS9940E-20
TII	DIL-40/2Q	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940E-40	TMS9940E-30
TII	DIL-40/2Q	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940E	TMS9940E-40
TII	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940JL	TMS9940JL
TII	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940-10NL	TMS9940M-10JL
TII	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940M-10JL	TMS9940M-10NL
TII	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940M-20NL	TMS9940M-20JL
TII	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940M-20JL	TMS9940M-20NL
TII	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940M-30NL	TMS9940M-30JL
TII	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940M-30JL	TMS9940M-30NL
TII	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940M-40NL	TMS9940M-40JL
TII	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940M-40JL	TMS9940M-40NL
TII	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940MNL	TMS9940MJL
TII	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940MJL	TMS9940MNL
TII	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA		TTL	TMS9940JL	TMS9940NL
TII	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	50TPMA	TTL	TTL/TS		TMS9980A
TII	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	50TPMA	TTL	TTL/TS	TMS9980NL	TMS9980JL
TII	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	50TPMA	TTL	TTL/TS	TMS9980JL	TMS9980NL
TII	DIL-40/2C	NMOS	0C/+70C	+5V/+12V	50TPMA	TTL	TTL/TS		TMS9981
TII	DIL-40/2	NMOS	0C/+70C	+5V		TTL	TTL		TMS9985
WDC	DIL-40/2C	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	INS1761D	UC1671A
WDC	DIL-40/2P	NMOS	0C/+70C	-5V/+5V/+12V	80MXMA	TTL	TTL/TS	INS1671N	UC1671B
MTA	DIL-16/1C	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	N8T95F	XC8T95L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	N8T95B	XC8T95P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	N8T96F	XC8T96L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	N8T96B	XC8T96P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	N8T97F	XC8T97L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	N8T97B	XC8T97P
MTA	DIL- C							N8T98F	XC8T98L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	N8T98B	XC8T98P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	70MXMA	TTL	TTL/TS	MC6881L	XC3449L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	70MXMA	TTL	TTL/TS	MC6881P	XC3449P

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
XC6852L	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSN. 6852	6800
XC6852P	SIO	8-BIT	SYNCHRONOUS SERIAL DATA ADAPTER FOR 6800 FAM./1MHZ VERSN. 6852	6800
XC6881L	EXPIO	.	TRIPLE BI-DIRECTIONAL EXTENDER-SWITCH	6800
XC6881P	EXPIO	.	TRIPLE BI-DIRECTIONAL EXTENDER-SWITCH	6800
XC6885L	BUFFR	8-BIT	HEX 3-STATE BUFFER/NON-INVERTING/MAX. DELAY 12NS	6800
XC6885P	BUFFR	8-BIT	HEX 3-STATE BUFFER/NON-INVERTING/MAX. DELAY 12NS	6800
XC6886L	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
XC6886P	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
XC6887L	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/NON-INV./MAX. DELAY 12NS	6800
XC6887P	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/NON-INV./MAX. DELAY 12NS	6800
XC6888L	BUFFR	6-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
XC6888P	BUFFR	8-BIT	HEX 3-STATE BUFFER-INVERTER/INV./ MAX. DELAY 11NS	6800
Z80A-CPU-CS	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./1uS INSTN. SPEED/ALT. TYPE NO. MK3880A	Z80A
Z80A-CPU/R	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./1uS INSTN. SPEED/ALT. TYPE NO. MK3880A	Z80A
Z80A-CPU/Z	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./1uS INSTN. SPEED/ALT. TYPE NO. MK3880A	Z80A
Z80A-CTC-CS	CTC	8-BIT	COUNTER-TIMER FOR Z80A/ALTERN. TYPE NO. MK3882A	Z80A
Z80A-CTC/R	CTC	8-BIT	COUNTER-TIMER FOR Z80A/ALTERN. TYPE NO. MK3882A	Z80A
Z80A-CTC/Z	CTC	8-BIT	COUNTER-TIMER FOR Z80A/ALTERN. TYPE NO MK3882A	Z80A
Z80A-DMA-CS	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/4MHZ CLK/ALT. TYPE NO. MK3883A	Z80
Z80A-PIO-CS	PIO	8-BIT	PARALLEL I-O CONTROLLER FOR Z80A FAM./ALTERN. TYPE NO. MK3881A	Z80A
Z80A-PIO/R	PIO	8-BIT	PARALLEL I-O CONTROLLER FOR Z80A FAM./ALTERN. TYPE NO. MK3881A	Z80A
Z80A-PIO/Z	PIO	8-BIT	PARALLEL I-O CONTROLLER FOR Z80A FAM./ALTERN. TYPE NO. MK3881A	Z80A
Z80A-SIO-CS	PIO	5-8BIT	Z80A SERIAL I-O CONTROL/ALT. TYPE NO. MK3884A	Z80A
Z80A-SIO/R	PIO	5-8BIT	Z80A SERIAL I-O CONTROL/ALT. TYPE NO. MK3884A	Z80A
Z80A-SIO/Z	PIO	5-8BIT	Z80A SERIAL I-O CONTROL/ALT. TYPE NO. MK3884A	Z80A
Z80-CPU-CE	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./1.6uS INSTN. SPEED/ALT. TYPE NO. MK3880	Z80
Z80-CPU-CM	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./1.6uS INSTN. SPEED/ALT. TYPE NO. MK3880	Z80
Z80-CPU-CS	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./1.6uS INSTN. SPEED/ALT. TYPE NO. MK3880	Z80
Z80-CPU-PS	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./1.6uS INSTN. SPEED/ALT. TYPE NO. MK3880	Z80
Z80-CPU/R	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./1.6uS INSTN. SPEED/ALT. TYPE NO. MK3880	Z80
Z80-CPU/Z	CPU	8-BIT	1-CHIP CPU FOR Z80 FAM./1.6uS INSTN. SPEED/ALT. TYPE NO. MK3880	Z80
Z80-CTC-CE	CTC	8-BIT	COUNTER-TIMER FOR Z80 FAM./ALTERN. TYPE NO. MK3882	Z80
Z80-CTC-CS	CTC	8-BIT	COUNTER-TIMER FOR Z80 FAM./ALTERN. TYPE NO. MK3882	Z80
Z80-CTC-CM	CTC	8-BIT	COUNTER-TIMER FOR Z80 FAM./ALTERN. TYPE NO. MK3882	Z80
Z80-CTC-PS	CTC	8-BIT	COUNTER-TIMER FOR Z80 FAM./ALTERN. TYPE NO. MK3882	Z80
Z80-CTC/R	CTC	8-BIT	COUNTER-TIMER FOR Z80 /ALTERN. TYPE NO. MK3882	Z80
Z80-CTC/Z	CTC	8-BIT	COUNTER-TIMER FOR Z80/ ALTERN TYPE NO. MK3882	Z80
Z80-DMA-CE	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/2.5MHZ CLK/ALT. TYPE NO. MK3883	Z80
Z80-DMA-CM	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/2.5MHZ CLK/ALT. TYPE NO. MK3883	Z80
Z80-DMA-CS	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/2.5MHZ CLK/ALT. TYPE NO. MK3883	Z80
Z80-DMA-PS	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/2.5MHZ CLK/ALT. TYPE NO. MK3883	Z80
Z80-DMA/R	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/2.5MHZ CLK/ALT. TYPE NO. MK3883	Z80
Z80-DMA/Z	DMAC	8-BIT	Z80 DIRECT MEM. ACCESS CONTROL/2.5MHZ CLK/ALT. TYPE NO. MK3883	Z80
Z80-PIO-CE	PIO	8-BIT	PARALLEL I-O CONTROLLER FOR Z80 FAM./ALTERN. TYPE NO. MK3881	Z80
Z80-PIO-CM	PIO	8-BIT	PARALLEL I-O CONTROLLER FOR Z80 FAM./ALTERN. TYPE NO. MK3881	Z80
Z80-PIO-CS	PIO	8-BIT	PARALLEL I-O CONTROLLER FOR Z80 FAM./ALTERN. TYPE NO. MK3881	Z80
Z80-PIO-PS	PIO	8-BIT	PARALLEL I-O CONTROLLER FOR Z80 FAM./ALTERN. TYPE NO. MK3881	Z80
Z80-PIO/R	PIO	8-BIT	PARALLEL I-O CONTROLLER FOR Z80 FAM./ALTERN. TYPE NO. MK3881	Z80
Z80-PIO/Z	PIO	8-BIT	PARALLEL I-O CONTROLLER FOR Z80 FAM./ALTERN. TYPE NO. MK3881	Z80
Z80-SIO	SIO	5-8BIT	SERIAL INPUT-OUTPUT CONTROLLER (ALTERNATE TYPE NO. MK3884)	Z80
Z80-SIO-CE	SIO	5-8BIT	Z80 SERIAL I-O CONTROL/ALT. TYPE NO. MK3884	Z80
Z80-SIO-CM	SIO	5-8BIT	Z80 SERIAL I-O CONTROL/ALT. TYPE NO. MK3884	Z80
Z80-SIO-CS	SIO	5-8BIT	Z80 SERIAL I-O CONTROL/ALT. TYPE NO. MK3884	Z80
Z80-SIO-PS	SIO	5-8BIT	Z80 SERIAL I-O CONTROL/ALT. TYPE NO. MK3884	Z80
Z80-SIO/R	SIO	5-8BIT	Z80 SERIAL I-O CONTROL/ALT. TYPE NO. MK3884	Z80
Z80-SIO/Z	SIO	5-8BIT	Z80 SERIAL I-O CONTROL/ALT. TYPE NO. MK3884	Z80
Z6104-1	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 100NS/6X 6Y 1CE ADDRESS LINES	Z80
Z6104-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CE ADDRESS LINES	Z80
Z6104-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDRESS LINES	Z80
Z6116-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
Z6116-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
Z6116-4	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
Z8001-CPU	CPU	16-BIT	SEGMENTED CPU OF Z8000 FAM./WITH 8010 REACHES 8M MEM. ADDRESSES	Z8000
Z8002-CPU	CPU	16-BIT	NON-SEGMENTED CPU OF 8000 FAM./DIRECT 64K ADDR. LOCATIONS	Z8000
Z8010-MMU	MMU	16-BIT	MEMORY MANAGEMENT UNIT/WITH 8001-CPU PROVIDES 8M MEM. ADDRESSES	Z8000
Z8016-DMA	DMA	16-BIT	DIRECT MEMORY ACCESS CONTROLLER FOR Z8000 FAM.	Z8000
Z8030-SIO	SIO	16-BIT	SERIAL INPUT-OUTPUT PORT	Z8000
Z8036-CIO	CTC	16-BIT	COUNTER-TIMER INPUT-OUTPUT	Z8000
Z8038-FIO	FIFO	16-BIT	FIRST IN-FIRST OUT, INPUT-OUTPUT CONTROLLER	Z8000
Z8050-FDC	FLPDC	16-BIT	FLOPPY DISK CONTROLLER	Z8000
Z8052-CRT	CRTC	16-BIT	CRT CONTROLLER	Z8000
Z8060-FIFO	FIFO	16-BIT	FIRST IN-FIRST OUT BUFFER	Z8000
ZN1001-F113L	MEMCT	16-BIT	MEMORY INTERFACE FOR F100 FAM./650MW/ALT. TYPE NO. F113-6	F100
ZN1001-F114L	MEMCT	16-BIT	MEMORY INTERFACE FOR F100 FAM./65MW/ALT. TYPE NO. F113-L	F100
uCOM-8	MICMP	8-BIT	GEN. PURP. MICROCOMPUTER SYSTEM BASED ON 8080 FAM. (APP. B)	8080

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MTA	DIL-24/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6852L	XC6852L
MTA	DIL-24/2P	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	MC6852P	XC6852P
MTA	DIL-16/1C	STLB	0C/+75C	+5V		TTL	TTL/TS	MC6881L	XC6881L
MTA	DIL-16/1P	STLB	0C/+75C	+5V		TTL	TTL/TS	MC6881P	XC6881P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	MC6885L	XC6885L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	MC6855P	XC6885P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	MC6886L	XC6886L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	MC6886P	XC6886P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	MC6887L	XC6887L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	98MXMA	TTL	TTL/TS	MC6887P	XC6887P
MTA	DIL-16/1C	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	MC6888L	XC6888L
MTA	DIL-16/1P	STLB	0C/+75C	+5V	89MXMA	TTL	TTL/TS	MC6888L	XC6888P
ZLG	DIL-40/2C	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	MK3880A	Z80A-CPU-CS
SGS	DIL-40/2C	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	Z80A-CPU-CS	Z80A-CPU/R
SGS	DIL-40/2P	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	Z80A-CPU-CS	Z80A-CPU/Z
ZLG	DIL-28/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	MK3882A	Z80A-CTC-CS
SGS	DIL-28/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	Z80A-CTC-CS	Z80A-CTC/R
SGS	DIL-28/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	Z80A-CTC-CS	Z80A-CTC/Z
ZLG	DIL-40/2C	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL	MK3883A	Z80A-DMA-CS
ZLG	DIL-40/2C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	MK3881A	Z80A-PIO-CS
SGS	DIL-40/2C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	Z80A-PIO-CS	Z80A-PIO/R
SGS	DIL-40/2P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	Z80A-PIO-CS	Z80A-PIO/Z
ZLG	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL	MK3884A	Z80A-SIO-CS
SGS	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL	Z80A-SIO-CS	Z80A-SIO/R
SGS	DIL-40/2P	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL	Z80A-SIO-CS	Z80A-SIO/Z
ZLG	DIL-40/2C	NMOS	-40C/+85C	+5V	200MXMA	TTL	TTL/TS	MK3880	Z80-CPU-CE
ZLG	DIL-40/2C	NMOS	-55C/+125C	+5V	200MXMA	TTL	TTL/TS	MK3880	Z80-CPU-CM
ZLG	DIL-40/2C	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	MK3880	Z80-CPU-CS
ZLG	DIL-40/2P	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	MK3880	Z80-CPU-PS
SGS	DIL-40/2C	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	Z80-CPU-CS	Z80-CPU/R
SGS	DIL-40/2P	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	Z80-CPU-CS	Z80-CPU/Z
MSK	DIL-28/2C	NMOS	-40C/+85C	+5V	100MXMA	TTL	TTL	MK3882	Z80-CTC-CE
ZLG	DIL-28/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	MK3882	Z80-CTC-CS
ZLG	DIL-28/2C	NMOS	-55C/+125C	+5V	100MXMA	TTL	TTL	MK3882	Z80-CTC-CM
ZLG	DIL-28/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	MK3882	Z80-CTC-PS
SGS	DIL-28/2C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	Z80-CTC-CS	Z80-CTC/R
SGS	DIL-40/2P	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL	Z80-CTC-CS	Z80-CTC/Z
ZLG	DIL-40/2C	NMOS	-40C/+85C	+5V	150MXMA	TTL	TTL	MK3883	Z80-DMA-CE
ZLG	DIL-40/2C	NMOS	-55C/+125C	+5V	150MXMA	TTL	TTL	MK3883	Z80-DMA-CM
ZLG	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL	MK3883	Z80-DMA-CS
ZLG	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL	MK3883	Z80-DMA-PS
SGS	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL	Z80-DMA-CS	Z80-DMA/R
SGS	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL	Z80-DMA-CS	Z80-DMA/Z
ZLG	DIL-40/2C	NMOS	-40C/+85C	+5V	70MXMA	TTL	TTL	MK3881	Z80-PIO-CE
ZLG	DIL-40/2C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL	MK3881	Z80-PIO-CM
ZLG	DIL-40/2C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	MK3881	Z80-PIO-CS
ZLG	DIL-40/2P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	MK3881	Z80-PIO-PS
SGS	DIL-40/2C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	Z80-PIO-CS	Z80-PIO/R
SGS	DIL-40/2P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL	Z80-PIO-CS	Z80-PIO/Z
ZLG	DIL-40/2M	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL	MK3884	Z80-SIO
ZLG	DIL-40/2C	NMOS	-40C/+85C	+5V	140MXMA	TTL	TTL	MK3884	Z80-SIO-CE
ZLG	DIL-40/2C	NMOS	-55C/+125C	+5V	200MXMA	TTL	TTL	MK3884	Z80-SIO-CM
ZLG	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL	MK3884	Z80-SIO-CS
ZLG	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL	MK3884	Z80-SIO-PS
SGS	DIL-40/2C	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL	Z80-SIO-CS	Z80-SIO/R
SGS	DIL-40/2P	NMOS	0C/+70C	+5V	140MXMA	TTL	TTL	Z80-SIO-CS	Z80-SIO/Z
ZLG	DIL-18/1P	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL		Z6104-1
ZLG	DIL-18/1P	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL	4104BCP	Z6104-2
ZLG	DIL-18/1P	NMOS	0C/+70C	+5V	385MXMW	TTL	TTL	MK4104N3	Z6104-3
ZLG	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MK4116P-2	Z6116-2
ZLG	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MK4116P-3	Z6116-3
ZLG	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	462MXMW	TTL	TTL/TS	MK4116P-4	Z6116-4
ZLG	DIL-48/2C	NMOS	0C/+70C	+5V		TTL	TTL	AMZ8001-CPU	Z8001-CPU
ZLG		NMOS	0C/+70C	+5V		TTL	TTL	AMZ8002-CPU	Z8002-CPU
ZLG		NMOS	0C/+70C	+5V		TTL	TTL	AMZ8010-MMU	Z8010-MMU
ZLG		NMOS	0C/+70C	+5V		TTL	TTL	AMZ8016-DMA	Z8016-DMA
ZLG		NMOS	0C/+70C	+5V		TTL	TTL	AMZ8030-SIO	Z8030-SIO
ZLG		NMOS	0C/+70C	+5V		TTL	TTL	AMZ8036-CIO	Z8036-CIO
ZLG		NMOS	0C/+70C	+5V		TTL	TTL	AMZ8038-FIO	Z8030-FIO
ZLG		NMOS	0C/+70C	+5V		TTL	TTL	AMZ8050-FDC	Z8050-FDC
ZLG		NMOS	0C/+70C	+5V		TTL	TTL	AMZ8052-CRT	Z8052-CRT
ZLG		NMOS	0C/+70C	+5V		TTL	TTL	AMZ8060-FIFO	Z8060-FIFO
FER		CDIB		+5V	650MXMW	TTL	TTL		ZN1001-F113L
FER		CDIB		+5V	65MXMW	TTL	TTL		ZN1001-F114L
NEC	CHIP SET	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL		uCOM-8

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
uCOM-42	MICMP	4-BIT	1-CHIP CALCULATOR-ORIENTED MICROCOMPUTER/SEE uPD545C AND uPD548	545
uCOM-42 EVACHIP			SEE UNDER ALTERNATIVE NUMBER uPD555	
uCOM-43	MICTR	4-BIT	1-CHIP CONTROLLER-ORIENTED MICROCOMPUTER/ALT. TYPE NO. uPD546C	545
uCOM-43C	MICTR		CMOS VERSION OF uCOM-43/SEE UNDER ALTERNATIVE TYPE NO. uPD650	
uCOM-43 EVACHIP			SEE UNDER ALTERNATIVE NUMBER uPD556	
uCOM-43H			HIGH O-P VERSN. OF uCOM-43/SEE ALTERNATE TYPE NO. uPD553	
uCOM-44			ALTERNATIVE TYPE NO. FOR uPD547 - WHICH SEE	
uCOM-44C			CMOS VERSION OF uCOM-44/SEE UNDER ALTERNATE TYPE NO uPD651	
uCOM-44H			HIGH-NEGATIVE O-P VERSION OF uCOM-44/SEE uPD552	
uCOM-44L			LOW POWER VERSION OF uCOM-44/FOR DETAILS SEE TYPE NO. uPD547L	
uCOM-45(5K ROM)			5K-ROM VERSION OF uCOM-45/SEE TYPE NO. uPD550	
uCOM-45(8K ROM)			8K ROM VERSION OF uCOM-45/SEE TYPE NO. uPD554	
uCOM-45C			CMOS VERSION OF uCOM-45(8K ROM)/SEE TYPE NO. uPD652	
uCOM-46			ALTERNATIVE NUMBER FOR uPD551/WHICH SEE	
uPB243D	MEMCT	.	DUAL MEMORY-DRIVER PERIPHERAL FOR 8080 FAMILY	8080
uPB246D	MEMCT		QUAD MEMORY-DRIVER PERIPHERAL FOR 8080 FAMILY	8080
uPB403D	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS	GEN. PURP.
uPB405D	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS	GEN. PURP.
uPB406D	PROM	4-BIT	4K=1024X4/MAX. ACCESS 70NS	GEN. PURP.
uPB425D	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/9 ADDRESS 4CS LINES	GEN. PURP.
uPB426D	PROM	4-BIT	4K=1024X4/MAX. ACCESS 70NS/10 ADDRESS 2CS LINES	GEN. PURP.
uPB2089D	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/4 ADDRESS LINES	8080
uPB2200D	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y, 3CS ADDRESS LINES	8080
uPB2202D	SRAM	1-BIT	256=256X1/MAX. ACCESS 65NS/8 ADDRESS,3 CS LINES	GEN. PURP.
uPB2206D	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	8080
uPB2289D	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4X 1CS ADDRESS LINES	8080
uPB8212C	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080 FAM. (APP. B)	8080
uPB8212D	IP/OP	8-BIT	INPUT-OUTPUT PORT OF 8080 FAM. (APP. B)	8080
uPB8214C	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM. (APP. B)	8080
uPB8216C	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/8080 DATA BUS BUFFER DVR	8080
uPB8216D	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, NON-INVERTING/8080 DATA BUS BUFFER DVR	8080
uPB8224C	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080 FAM. (APP. B)	8080
uPB8224D	CLOCK	.	2-PHASE CLOCK GEN. DRIVER FOR 8080 FAM. (APP. B)	8080
uPB8226C	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080
uPB8226D	DRVR	4-BIT	BIDIRECTIONAL BUS DRIVER, INVERTING/8080 DATA BUS BUFFER DRIVER	8080
uPB8228C	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080 FAM. (APP. B)	8080
uPB8228D	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080 FAM. (APP. B)	8080
uPB8238C	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080 FAM. (APP. B)	8080
uPB8238D	SYSCT	8-BIT	SYSTEM CONTROLLER BUS DRIVER FOR 8080 FAM. (APP. B)	8080
uPB10142D	SRAM	1-BIT	64=64X1/MAX. ACCESS 10NS/4X 2Y 2CE ADDRESS LINES/50 OHM LOAD	10000
uPB10144D	SRAM	1-BIT	256=256X1/MAX. ACCESS 35NS/4X 4Y 3CE ADDRESS LINES	10000
uPB10148D	SRAM	1-BIT	64=64X1/MAX. ACCESS 15NS/4X 2Y 2CE ADDRESS LINES/50 OHM LOAD	10000
uPC77D	SAMP	.	TRIPLE SENSE AMPLIFIER FOR 8080 SYSTEM MEMORIES/DATA LATCH	8080
uPC171D	SAMP	.	TRIPLE SENSE AMPLIFIER FOR 8080 SYSTEM MEMORIES	8080
uPD369C	UART	8-BIT	ASYNCHRONOUS RECEIVER-TRANSMITTER FOR 8080 FAMILY	8080
uPD369D	UART	8-BIT	ASYNCHRONOUS RECEIVER-TRANSMITTER FOR 8080 FAMILY	8080
uPD371D	CSTPC	8-BIT	CASSETTE MT CONTROLLER (ISO/ECMA COMPATIBLE)	8080
uPD372D	FLPDC	8-BIT	FLOPPY DISK CONTROLLER/UP TO 4 DRIVES FOR 8080 FAM. (APP. B)/IBM	8080
uPD379D	SDLNC	8-BIT	SDLC (SYNCH. DATA LINK CONTROL) RECEIVER-TRANSMITTER	8080
uPD410D	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD410D-1	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD410D-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 100NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD410D-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 90NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD410D-5	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 80NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD411AC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411AC-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411AC-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411AC-E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411AD	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411AD-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411AD-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411AD-E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411D	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
uPD411D-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
uPD411D-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411D-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411D-4	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 135NS/6X 6Y 1CE ADDRESS LINES/2MS REFRESH	GEN. PURP.
uPD411D-E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CE ADDRESS LINES/1MS REFRESH	GEN. PURP.
uPD414AC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414AC-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414AC-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414AC-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414AD	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414AD-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414AD-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
NEC	DIL-42/2P	PMOS	0C/+70C	-10V		MOS	MOS	uPD545C	uCOM-42
NEC									uCOM-42 EVACHIP
NEC	DIL-42/2P	PMOS	0C/+70C	-10V		MOS	TTL/OD	uPD546C	uCOM-43
NEC									uCOM-43C
NEC									uCOM-43 EVACHIP
NEC									uCOM-43H
NEC									uCOM-44
NEC									uCOM-44C
NEC									uCOM-44H
NEC									uCOM-44L
NEC									uCOM-45(5K ROM)
NEC									uCOM-45(8K ROM)
NEC									uCOM-45C
NEC									uCOM-46
NEC	DIL-14/1C	TTLB	0C/+70C	+5V/+8V/+16V	500MXMW				uPB243D
NEC	DIL-16/1C	TTLB	0C/+70C	+5V/+12V	450MXMW	TTL	MOS	C3207A	uPB246D
NEC	DIL-16/1C	TTLB	0C/+70C	+5V	450MXMW	TTL	TTL/OC	IM5603A	uPB403D
NEC	DIL-24/2C	TTLB	0C/+70C	+5V	614MXMW	TTL	TTL/OC	IM5606	uPB405D
NEC	DIL-18/1C	TTLB	0C/+70C	+5V	500MXMW	TTL	TTL/OC	IM5606	uPB406D
NEC	DIL-24/2C	TTLB	0C/+70C	+5V	614MXMW	TTL	TTL/TS	SAB3624-D	uPB425D
NEC	DIL-18/1C	TTLB	0C/+70C	+5V	500MXMW	TTL	TTL/TS	MCM7643L	uPB426D
NEC	DIL-16/1C	TTLB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	SN7489J	uPB2089D
NEC	DIL-16/1C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	SN74S200	uPB2200D
NEC	DIL-16/1C	TTLB	0C/+70C	+5V	140MXMA	TTL	TTL/TS	SN74S201	uPB2202D
NEC	DIL-16/1C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	SN74S206	uPB2206D
NEC	DIL-16/1C	TTLB	0C/+75C	+5V	550MXMW	TTL	TTL/OC	C3101A	uPB2289D
NEC	DIL-24/2P	TTLB	0C/+70C	+5V	515MXMW	TTL	TTL/TS	P8212	uPB8212C
NEC	DIL-24/2C	TTLB	0C/+70C	+5V	515MXMW	TTL	TTL/TS	D8212	uPB8212D
NEC	DIL-24/2P	TTLB	0C/+70C	+5V	500MXMW	TTL	TTL	P8214	uPB8214C
NEC	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA			D8216	uPB8216C
NEC	DIL-16/1C	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	D8216	uPB8216D
NEC	DIL-16/1P	STLB	0C/+70C	+5V/+12V	955MXMW		TTL	D8224	uPB8224C
NEC	DIL-16/1C	STLB	0C/+70C	+5V/+12V	955MXMW		TTL	D8224	uPB8224D
NEC	DIL-16/1P	STLB	0C/+70C	+5V	120MXMW	TTL	TTL/TS	D8226	uPB8226C
NEC	DIL-16/1C	STLB	0C/+70C	+5V	120MXMW	TTL	TTL/TS	D8226	uPB8226D
NEC	DIL-28/2P	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D8228	uPB8228C
NEC	DIL-28/2C	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D8228	uPB8228D
NEC	DIL-28/2P	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D8238	uPB8238C
NEC	DIL-28/2C	STLB	0C/+70C	+5V	190MXMA	TTL	TTL/TS	D8238	uPB8238D
NEC	DIL-16/1C	ECLB	0C/+85C	-5.2V	103MXMA	-1.6/-.8V	-1.6/-.8V	SN10142J	uPB10142D
NEC	DIL-16/1C	ECLB	0C/+85C	-5.2V	125MXMA	-1.6/-.8V	-1.6/-.8V	GXB10144D	uPB10144D
NEC	DIL-16/1C	ECLB	0C/+85C	-5.2V	103MXMA	-1.6/-.8V	-1.6/-.8V	GXB10148D	uPB10148D
NEC	DIL-14/1C	TTLB	0C/+70C	+5V	430MXMW				uPC77D
NEC	DIL-14/1C	TTLB	0C/+70C	+5V	230MXMW				uPC171D
NEC	DIL-42/2P	NMOS	0C/+70C	-5V/+5V/+12V	360MXMW	TTL	TTL		uPD369C
NEC	DIL-42/2C	NMOS	0C/+70C	-5V/+5V/+12V	360MXMW	TTL	TTL		uPD369D
NEC	DIL-42/2C	NMOS	0C/+70C	-5V/+5V/+12V	390MXMW	TTL	TTL		uPD371D
NEC	DIL-42/2C	NMOS	0C/+70C	-5V/+5V/+12V	365MXMW	TTL	TTL		uPD372D
NEC	DIL-42/2C	NMOS	0C/+70C	-5V/+5V/+12V	380MXMW	TTL	TTL/TS		uPD379D
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	365MXMW	TTL	TTL/TS	4200AC	uPD410D
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	470MXMW	TTL	TTL/TS	4200BCC	uPD410D-1
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	615MXMW	TTL	TTL/TS		uPD410D-2
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	615MXMW	TTL	TTL/TS		uPD410D-3
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	615MXMW	TTL	TTL/TS		uPD410D-5
NEC	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	660MXMW	TTL	TTL/TS	B2107B-5	uPD411AC
NEC	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	660MXMW	TTL	TTL/TS	B2107B-4	uPD411AC-1
NEC	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	660MXMW	TTL	TTL/TS	B2107B	uPD411AC-2
NEC	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	480MXMW	TTL	TTL/TS	B2107B-6	uPD411AC-E
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	660MXMW	TTL	TTL/TS	B2107B-5	uPD411AD
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	660MXMW	TTL	TTL/TS	B2107B-4	uPD411AD-1
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	660MXMW	TTL	TTL/TS	B2107B	uPD411AD-2
NEC	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	480MXMW	TTL	TTL/TS	B2107B-6	uPD411AD-E
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	720MXMW	TTL	TTL/TS	B2107B-5	uPD411D
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	720MXMW	TTL	TTL/TS	B2107B-4	uPD411D-1
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	720MXMW	TTL	TTL/TS	B2107B	uPD411D-2
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	780MXMW	TTL	TTL/TS		uP411D-3
NEC	DIL-22/4C	NMOS	+10C/+55C	-5V/+5V/+15V	960MXMW	TTL	TTL/TS		uPD411D-4
NEC	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	720MXMW	TTL	TTL	C2107A-4	uPD411D-E
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-4	uPD414AC
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027N-4	uPD414AC-1
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-2	uPD414AC-2
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027N-2	uPD414AC-3
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-3	uPD414AD
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-4	uPD414AD-1
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-2	uPD414AD-2

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
uPD414AD-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414C	DRAM	1-BIT	4K=409LX1/MAX. ACCESS 300NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414C-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414C-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414C-E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414D	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414D-1	DRAM	1-BIT	4K=409LX1/MAX. ACCESS 250NS/6 MULTIPLEXED ADDRESS 1CS LINES	GEN. PURP.
uPD414D-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD414D-E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/2X6 MULTIPLEXED ADDRESS LINES	GEN. PURP.
uPD416C	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
uPD416C-1	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
uPD416C-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
uPD416C-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
uPD416C-5	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 120NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
uPD416D	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
uPD416D-1	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
uPD416D-2	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
uPD416D-3	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 150NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
uPD416D-5	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 120NS/MULTIPLEXED 7 ADDRESS LINES	GEN. PURP.
uPD418C	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD418C-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD418C-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD418C-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD418D	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD418D-1	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD418D-2	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD418D-3	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD418D-E	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD421	SRAM	8-BIT	8K=1024X8/MAX. ACCESS 85-100-150-200NS/10 ADDR. 1CS LINES/PWR DN	GEN. PURP.
uPD443/6508C	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
uPD443/6508C-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
uPD443/6508D	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 300NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
uPD443/6508D-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
uPD444/6514C	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CE ADDR. LINES/2V RETENTION	GEN. PURP.
uPD445LC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 650NS/6X 4Y 2CE ADDR. LINES	GEN. PURP.
uPD445LC-1	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 2CE ADDR. LINES	GEN. PURP.
uPD454D	EAROM	8-BIT	2K=256X8/MAX. ACCESS 800NS/8 ADDR. 1CS LINES	8080
uPD458D	EAROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/10 ADDR. 1CS LINES	8080
uPD464C	MROM	8-BIT	2K=256X8/MAX. ACCESS 450NS	GEN. PURP.
uPD464D	MROM	8-BIT	2K=256X8/MAX. ACCESS 450NS	GEN. PURP.
uPD545C	MICMP	4-BIT	1-CHIP CALCULATOR-ORIENTED MICROCOMPUTER/ALT. TYPE NO. uCOM42	545
uPD546C	MICTR	4-BIT	1-CHIP CONTROLLER-ORIENTED MICROCOMPUTER/ALT. TYPE NO. uCOM43	546
uPD547C	MICMP	4-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/64X4 RAM/35 I-O/ALT. TYPE uCOM-44	545
uPD547LC	MICMP	4-BIT	1-CHIP MICROCOMPUTER/LOW PWR VERSION OF uPD547L/ALT. NO. uCOM44L	545
uPD548C	MICMP	4-BIT	1-CHIP MICROCOMPUTER/1920X10 ROM/96X4 RAM/ALT. NO. uCOM-42	545
uPD550C	MICMP	4-BIT	1-CHIP MICROCOMPUTER/640X8 ROM/32X4 RAM/35V OP/OTHER NO. uCOM-45	545
uPD551C	MICMP	4-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/64X4 RAM/ADC/OTHER NO. uCOM-46	545
uPD552C	MICMP	4-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/64X4 RAM/35V OP/OTHER NO. uCOM44H	545
uPD553C	MICMP	4-BIT	1-CHIP MICROCOMPUTER/2KX8 ROM/96X4 RAM/35V OP/OTHER NO. uCOM-43	545
uPD554C	MICMP	4-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/32X4 RAM/35V OP/ALT. NO. uCOM45-8K	545
uPD555D	MICMP	4-BIT	1-CHIP MICROCOMPUTER/96X4 RAM/ROMLESS uPD548/ALT. NO. EVACHIP 42	545
uPD556B	MICMP	4-BIT	1-CHIP MICROCOMPUTER/EVALN. CHIP FOR uCOM-43-44-45/ = EVACHIP 43	545
uPD650C	MICMP	4-BIT	1-CHIP MICROCOMPUTER/CMOS VERSION OF uPD546-uCOM43	545
uPD651C	MICMP	4-BIT	1-CHIP MICROCOMPUTER/CMOS VERSION OF uPD547-uCOM44	545
uPD652C	MICMP	4-BIT	1-BIT MICROCOMPUTER/CMOS VERSION OF uPD554-uCOM45(8K)	545
uPD758C	PRTRC	8-BIT	PRINTER CONTROLLER FOR 8080 FAM. (APP. B)/EPSON 101 SER. PRINTER	8080
uPD764C	PRTRC	8-BIT	PRINTER CONTROLLER FOR 8080 FAM. (APP. B)/EPSON CR330,M310 SER.	8080
uPD765C	FLPDC	8-BIT	SINGLE-DOUBLE DENSITY FLOPPY DISK CONTROLLER	8080-8085
uPD780C	CPU	8-BIT	1-CHIP CPU OF Z80 FAM./=Z80-CPU-CS/0.4uS CLOCK PERIOD MIN.	Z80
uPD780C-1	CPU	8-BIT	1-CHIP CPU OF Z80 FAM./=Z80A-CPU /0.25uS CLOCK PERIOD MIN.	Z80
uPD2101ALC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
uPD2101ALC-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
uPD2101ALC-4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
uPD2102ALC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
uPD2102ALC-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
uPD2102ALC-4	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
uPD2111ALC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 350NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
uPD2111ALC-2	SRAM	4-BIT	1K=256X4/MAX. ACCESS 250NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
uPD2111ALC4	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
uPD2114LC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
uPD2114LC-1	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
uPD2114LC-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
uPD2114LC-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
uPD2114LC-5	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
uPD2114LD	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-2	uPD414AD-3
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027N-4	uPD414C
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027N-4	uPD414C-1
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-2	uPD414C-2
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027N-4	uPD414C-E
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-4	uPD414D
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-4	uPD414D-1
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-3	uPD414D-2
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	300MXMW	TTL	TTL/TS	MK4027P-4	uPD414D-E
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	420MXMW	TTL	TTL/TS	MK4116P-4	uPD416C
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	420MXMW	TTL	TTL/TS	MK4116P-4	uPD416C-1
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	420MXMW	TTL	TTL/TS	MK4116P-2	uPD416C-2
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	420MXMW	TTL	TTL/TS	MK4116P-2	uPD416C-3
NEC	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	420MXMW	TTL	TTL/TS	MK4116P-4	uPD416C-5
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	420MXMW	TTL	TTL/TS	MK4116P-4	uPD416D
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	420MXMW	TTL	TTL/TS	MK4116P-4	uPD416D-1
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	420MXMW	TTL	TTL/TS	MK4116P-3	uPD416D-2
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	420MXMW	TTL	TTL/TS	MK4116P-2	uPD416D-3
NEC	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	420MXMW	TTL	TTL/TS	MK4116P-4	uPD416D-5
NEC	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	328MXMW	TTL	TTL/OD	TMS4050NL	uPD418C
NEC	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	328MXMW	TTL	TTL/OD	TMS4050-1NL	uPD418C-1
NEC	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	328MXMW	TTL	TTL/OD	TMS4050-2NL	uPD418C-2
NEC	DIL-18/1P	NMOS	0C/+70C	-5V/+12V	328MXMW	TTL	TTL/OD	TMS4050-3NL	uPD418C-3
NEC	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	287MXMW	TTL	TTL/OD	TMS4050JL	uPD418D
NEC	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	328MXMW	TTL	TTL/OD	TMS4050-1JL	uPD418D-1
NEC	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	370MXMW	TTL	TTL/OD	TMS4050-2JL	uPD418D-2
NEC	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	370MXMW	TTL	TTL/OD	TMS4050-3JL	uPD418D-3
NEC	DIL-18/1C	NMOS	0C/+70C	-5V/+12V	350MXMW	TTL	TTL/OD	TMS4050JL	uPD418D-E
NEC	DIL-22/4-	NMOS	0C/+70C	+5V		TTL	TTL/TS		uPD421
NEC	DIL-16/1P	CMOS	0C/+70C	+5V		TTL	TTL/TS	IM6508A	uPD443/6508C
NEC	DIL-16/1P	CMOS	0C/+70C	+5V		TTL	TTL/TS	IM6508A	uPD443/6508C-1
NEC	DIL-16/1C	CMOS	0C/+70C	+5V		TTL	TTL/TS	IM6508A	uPD443/6508D
NEC	DIL-16/1C	CMOS	0C/+70C	+5V		TTL	TTL/TS	IM6508A	uPD443/6508D-1
NEC	DIL-18/1P	CMOS	0C/+70C	+5V		TTL	TTL/TS	IM6514	uPD444/6514C
NEC	DIL-20/4P	CMOS	0C/+70C	+5V	150MXMW	TTL	TTL/TS		uPD445LC
NEC	DIL-20/4P	CMOS	0C/+70C	+5V	150MXMW	TTL	TTL/TS		uPD445LC-1
NEC	DIL-24/2C	NMOS	0C/+70C	+5V/+12V	200MXMW	TTL	TTL/TS		uPD454D
NEC	DIL-28/2C	NMOS	0C/+70C	+5V/+12V	605MXMW	TTL	TTL/TS		uPD458D
NEC	DIL-24/2P	NMOS	0C/+70C	-5V/+5V/+12V	520MXMW	TTL	TTL/TS		uPD464C
NEC	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	520MXMW	TTL	TTL/TS		uPD464D
NEC	DIL-42/2P		0C/+70C	-10V		MOS	MOS		uPD545C
NEC	DIL-42/2P	PMOS	0C/+70C	-10V		MOS	TTL/OD		uPD546C
NEC	DIL-42/2P	PMOS	0C/+70C	-10V	50MXMA	TTL	TTL/OD		uPD547C
NEC	DIL-42/2P	PMOS	0C/+70C	-8V	25MXMA	TTL	TTL/OD		uPD547LC
NEC	DIL-42/2P	PMOS	0C/+70C	-10V		TTL	TTL		uPD548C
NEC	DIL-28/2P	PMOS	0C/+70C	-10V	40MXMA	TTL	TTL		uPD550C
NEC	DIL-40/2P	PMOS	0C/+70C	-10V	40MXMA	TTL	TTL/OD		uPD551C
NEC	DIL-42/2P	PMOS	0C/+70C	-10V	50MXMA	PMOS	PMOS		uPD552C
NEC	DIL-42/2P	PMOS	0C/+70C	-10V	50MXMA	PMOS	PMOS		uPD553C
NEC	DIL-28/2P	PMOS	0C/+70C	-10V	40MXMA	PMOS	PMOS		uPD554C
NEC	DIL-64/3C	PMOS	0C/+70C	-10V	60MXMA	PMOS	PMOS/OD		uPD555D
NEC	QIL-64/1C	PMOS	0C/+70C	-10V	50MXMA	PMOS	PMOS		uPD556B
NEC	DIL-42/2P	CMOS	-35C/+85C	+5V	2MXMA	CMOS	CMOS		uPD650C
NEC	DIL-42/2P	CMOS	-35C/+85C	+5V	2MXMA	CMOS	CMOS		uPD651C
NEC	DIL-42/2P	CMOS	-30C/+85C	+5V	2MXMA	CMOS	CMOS		uPD652C
NEC	DIL-42/2P	NMOS	0C/+70C	-5V/+5V/+12V	340MXMW	TTL	TTL		uPD758C
NEC	DIL-42/2P	NMOS	0C/+70C	+5V	225MXMW	TTL	TTL		uPD764C
NEC	DIL-40/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS		uPD765C
NEC	DIL-40/2P	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	Z80-CPU-CS	uPD780C
NEC	DIL-40/2P	NMOS	0C/+70C	+5V	200MXMA	TTL	TTL/TS	Z80A-CPU-CS	uPD780C-1
NEC	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2101A	uPD2101ALC
NEC	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2101A-2	uPD2101ALC-2
NEC	DIL-22/4P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2101A-4	uPD2101ALC-4
NEC	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2102AL	uPD2102ALC
NEC	DIL-16/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2102AL	uPD2102ALC-2
NEC	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2102AL-4	uPD2102ALC-4
NEC	DIL-18/1P	NMOS	0C/+70C	+5V	200MXMW	TTL	TTL/TS		uPD2111ALC
NEC	DIL-18/1P	NMOS	0C/+70C	+5V	200MXMW	TTL	TTL/TS		uPD2111ALC-2
NEC	DIL-18/1P	NMOS	0C/+70C	+5V	175MXMW	TTL	TTL/TS		uPD2111ALC4
NEC	DIL-18/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2114L	uPD2114LC
NEC	DIL-18/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2114L-3	uPD2114LC-1
NEC	DIL-18/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2114L-2	uPD2114LC-2
NEC	DIL-18/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2114L-2	uPD2114LC-3
NEC	DIL-18/1P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS		uPD2114LC-5
NEC	DIL-18/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2114L	uPD2114LD

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
uPD2114LD-1	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 300NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
uPD2114LD-2	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
uPD2114LD-3	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
uPD2114LD-5	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
uPD2115D-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 120NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
uPD2115D-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
uPD2125D-1	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 120NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
uPD2125D-2	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
uPD2147D	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 85NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD2147D-2	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD2147D-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/6X 6Y 1CS ADDR. LINES	GEN. PURP.
uPD2308C	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
uPD2308D	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
uPD2316AC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 650NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
uPD2316AD	MROM	8-BIT	16K=2048X8/MAX. ACCESS 650NS/7X 4Y 3CS ADDRESS LINES	GEN. PURP.
uPD2316EC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES/E-PINOUT	8080
uPD2316ED	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/7X 4Y 3CS ADDRESS LINES/E-PINOUT	8080
uPD2332C	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/7X 5Y 2CS ADDR. LINES	GEN. PURP.
uPD2332D	MROM	8-BIT	32K=4096X8/MAX. ACCESS 450NS/7X 5Y 2CS ADDR. LINES	GEN. PURP.
uPD2364C	MROM	8-BIT	64K=8192X8/MAX. ACCESS 450NS/13 ADDR. 1CS LINES	GEN. PURP.
uPD2364D	MROM	8-BIT	64K=8192X8/MAX. ACCESS 450NS/13 ADDR. 1CS LINES	GEN. PURP.
uPD2716	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/6X 5Y 1CS ADDRESS LINES/POWER DOWN	8085-8080
uPD4104C-30	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
uPD4104D-30	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
uPD4104C-32	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
uPD4104D-32	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
uPD4104C-33	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
uPD4104D-33	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CE ADDRESS LINES	GEN. PURP.
uPD4104C-35	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 120NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD4104D-35	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 120NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD4104C-36	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 85NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD4104D-36	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 85NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
uPD5101C-E	SRAM	4-BIT	1K=256X4/MAX. ACCESS 800NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
uPD5101LC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
uPD5101LC-1	SRAM	4-BIT	1K=256X4/MAX. ACCESS 450NS/5X 3Y 2CE ADDRESS LINES	GEN. PURP.
uPD8021C	MICMP	8-BIT	1-CHIP MICROCOMPUTER/1KX8 ROM/64X8 RAM/21 IO/TIMER/LOW COST	8048
uPD8035C	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS 8048	8048
uPD8035D	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/ROMLESS 8048	8048
uPD8039C	MICMP	8-BIT	1-CHIP MICROCOMPUTER/11MHZ CLOCK/128X8 RAM/ROMLESS 8049	8048
uPD8039D	MICMP	8-BIT	1-CHIP MICROCOMPUTER/11MHZ CLOCK/128X8 RAM/ROMLESS 8049	8048
uPD8041C	PIA	8-BIT	UNIVERSAL PERIPHERAL INTERFACE FOR 8080-8048-8085-8086/INT. MROM	8080 ETC
uPD8041D	PIA	8-BIT	UNIVERSAL PERIPHERAL INTERFACE FOR 8080-8048-8085-8086/INT EPROM	8080 ETC
uPD8048C	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
uPD8048D	MICMP	8-BIT	1-CHIP MICROCOMPUTER/6MHZ CLOCK/64X8 RAM/1024X8 ROM/27 I-O LINES	8048
uPD8049C	MICMP	8-BIT	1-CHIP MICROCOMPUTER/11MHZ CLOCK/128X8 RAM/2KX8 MROM/27 IO/TIMER	8048
uPD8049D	MICMP	8-BIT	1-CHIP MICROCOMPUTER/11MHZ CLOCK/128X8 RAM/2KX8 MROM/27 IO/TIMER	8048
uPD8080AD	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN INSTN. CYCLE 2uS	8080
uPD8080AD-1	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN INSTN. CYCLE 1.3uS	8080
uPD8080AD-2	MPU	8-BIT	1-CHIP CPU OF 8080 FAM. (APP. B)/MIN INSTN. CYCLE 1.5uS	8080
uPD8080AFC	MPU	8-BIT	1-CHIP CPU OF 8080 FAM./2.0MHZ CLOCK	8080
uPD8080AFC-1	MPU	8-BIT	1-CHIP CPU OF 8080 FAM./3MHZ CLOCK	8080
uPD8080AFC-2	MPU	8-BIT	1-CHIP CPU OF 8080 FAM./2.5MHZ CLOCK	8080
uPD8080AFD	MPU	8-BIT	1-CHIP CPU OF 8080 FAM./2.0MHZ CLOCK	8080
uPD8080AFD-1	MPU	8-BIT	1-CHIP CPU OF 8080 FAM./3MHZ CLOCK	8080
uPD8080AFD-2	MPU	8-BIT	1-CHIP CPU OF 8080 FAM./2.5MHZ CLOCK	8080
uPD8085AC	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL 3MHZ CLOCK	8085A
uPD8085AD	CPU	8-BIT	1-CHIP CPU OF 8085 FAM./INTERNAL 3MHZ CLOCK	8085A
uPD8155C	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE LOW/SRAM/I-O PORTS/CLOCK	8048/8085
uPD8156C	RAMIO	8-BIT	2K=256X8/MAX. ACCESS 400NS/CE ACTIVE HIGH/SRAM/I-O PORTS/CLOCK	8048/8085
uPD8243C	EXPIO	4-BIT	INPUT-OUTPUT EXPANDER/4 I-O PORTS AS EXTENSION FROM ONE I-O PORT	8048
uPD8243D	EXPIO	4-BIT	INPUT-OUTPUT EXPANDER/4 I-O PORTS AS EXTENSION FROM ONE I-O PORT	8048
uPD8251AC	USART	8-BIT	64K-BAUD VERSION OF 8251 WITH AUTO BREAK DETECT AND HANDLING	8080
uPD8251AD	USART	8-BIT	64K-BAUD VERSION OF 8251 WITH AUTO BREAK DETECT AND HANDLING	8080
uPD8251C	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH.-ASYNCH. RECVR.-TRNSMTTR./56K BAUD	8080
uPD8251D	USART	8-BIT	PROGRAMMABLE UNIVERSAL SYNCH.-ASYNCH. RECVR.-TRNSMTTR./56K BAUD	8080
uPD8253C	PTM	8-BIT	INTERVAL TIMER FOR 8080 FAM. (APP. B)/THREE 16-BIT COUNTERS/2MHZ	8080
uPD8253C-5	PTM	.	FASTER VERSION OF uPD8253C	8080
uPD8255AC-5	PIA	8-BIT	PROG. I-O PORT FOR 8080 FAM.	8080
uPD8255AD-5	PIA	8-BIT	PROG. I-O PORT FOR 8080 FAM.	8080
uPD8255C	PIA	8-BIT	PROG. I-O PORT FOR 8080 FAM.	8080
uPD8255C-E	PIA	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 8080 FAM. (APP. B)	8080
uPD8255D	PIA	8-BIT	PROG. I-O PORT FOR 8080 FAM.	8080
uPD8257C	DMAC	8-BIT	DMA CONTROLLER FOR 8080 FAM./4-CHANNEL/MAX. ACCESS 300NS	8080
uPD8257C-5	DMAC	8-BIT	DMA CONTROLLER FOR 8080 FAM./4-CHANNEL/MAX. ACCESS 200NS	8080
uPD8259C	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM./MAX. ACCESS 300NS	8080

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	70MXMA	TTL	TTL/TS	D2114L-3	uPD2114LD-1
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	70MXMA	TTL	TTL/TS	D2114L-2	uPD2114LD-2
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	70MXMA	TTL	TTL/TS	D2114L-2	uPD2114LD-3
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	70MXMA	TTL	TTL/TS		uPD2114LD-5
NEC	DIL-16/1C	NMOS	OC/+70C	+5V	380MXMW	TTL	TTL/OC	D2115-1	uPD2115D-1
NEC	DIL-16/1C	NMOS	OC/+70C	+5V	380MXMW	TTL	TTL/OC	D2115-2	uPD2115D-2
NEC	DIL-16/1C	NMOS	OC/+70C	+5V	380MXMW	TTL	TTL/TS	C2125A-2	uPD2125D-1
NEC	DIL-16/1C	NMOS	OC/+70C	+5V	380MXMW	TTL	TTL/TS	C2125A-2	uPD2125D-2
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	160MXMA	TTL	TTL/TS	D2147	uPD2147D
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	160MXMA	TTL	TTL/TS	D2147	uPD2147D-2
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	160MXMA	TTL	TTL/TS	D2147-3	uPD2147D-3
NEC	DIL-24/2P	NMOS	OC/+70C	-5V/+5V/+12V	250MXMW	TTL	TTL/TS	P2308	uPD2308C
NEC	DIL-24/2C	NMOS	OC/+70C	-5V/+5V/+12V	250MXMW	TTL	TTL/TS	C2308	uPD2308D
NEC	DIL-24/2P	NMOS	OC/+70C	+5V	350MXMW	TTL	TTL/TS	P2316A	uPD2316AC
NEC	DIL-24/2C	NMOS	OC/+70C	+5V	350MXMW	TTL	TTL/TS	D2316A	uPD2316AD
NEC	DIL-24/2P	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL/TS	D2316E	uPD2316EC
NEC	DIL-24/2C	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL/TS	D2316E	uPD2316ED
NEC	DIL-24/2P	NMOS	OC/+70C	+5V	110MXMA	TTL	TTL/TS	D2332A	uPD2332C
NEC	DIL-24/2C	NMOS	OC/+70C	+5V	110MXMA	TTL	TTL/TS	D2332A	uPD2332D
NEC	DIL-28/2P	NMOS	OC/+75C	+5V		TTL	TTL/TS	D2364A	uPD2364C
NEC	DIL-28/2P	NMOS	OC/+70C	+5V		TTL	TTL/TS	D2364A	uPD2364D
NEC	DIL-24/2Q	NMOS	OC/+70C	+5V	100MXMA	TTL	TTL/TS	D2716	uPD2716
NEC	DIL-18/1P	NMOS	OC/+70C	+5V	21MXMA	TTL	TTL	MK4104P-85	uPD4104C-30
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	21MXMA	TTL	TTL	MK4104P-5	uPD4104D-30
NEC	DIL-18/1P	NMOS	OC/+70C	+5V	21MXMA	TTL	TTL	MK4104N-3	uPD4104C-32
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	21MXMA	TTL	TTL	MK4104P-3	uPD4104D-32
NEC	DIL-18/1P	NMOS	OC/+70C	+5V	40MXMA	TTL	TTL		uPD4104C-33
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	40MXMA	TTL	TTL		uPD4104D-33
NEC	DIL-18/1P	NMOS	OC/+70C	+5V	40MXMA	TTL	TTL		uPD4104C-35
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	40MXMA	TTL	TTL		uPD4104D-35
NEC	DIL-18/1P	NMOS	OC/+70C	+5V	40MXMA	TTL	TTL		uPD4104C-36
NEC	DIL-18/1C	NMOS	OC/+70C	+5V	40MXMA	TTL	TTL		uPD4104D-36
NEC	DIL-22/4P	CMOS	OC/+70C	+5V	65MXMA	TTL	TTL	B5101-8	uPD5101C-E
NEC	DIL-22/4P	CMOS	OC/+70C	+5V	27MXMA	TTL	TTL/TS	P5101L	uPD5101LC
NEC	DIL-22/4P	CMOS	OC/+70C	+5V	27MXMA	TTL	TTL/TS	P5101L-1	uPD5101LC-1
NEC	DIL-28/2P	NMOS	OC/+70C	+5V	60MXMA	TTL	TTL	P8021	uPD8021C
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	135MXMA	TTL	TTL	D8035	uPD8035C
NEC	DIL-40/2C	NMOS	OC/+70C	+5V	135MXMA	TTL	TTL	D8035	uPD8035D
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	140MXMA	TTL	TTL	D8039	uPD8039C
NEC	DIL-40/2C	NMOS	OC/+70C	+5V	140MXMA	TTL	TTL	D8039	uPD8039D
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	135MXMA	TTL	TTL	D8041	uPD8041C
NEC	DIL-40/2C	NMOS	OC/+70C	+5V	135MXMA	TTL	TTL	D8041	uPD8041D
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	135MXMA	TTL	TTL	D8048	uPD8048C
NEC	DIL-40/2C	NMOS	OC/+70C	+5V	135MXMA	TTL	TTL	D8048	uPD8048D
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	140MXMA	TTL	TTL	D8049	uPD8049C
NEC	DIL-40/2C	NMOS	OC/+70C	+5V	140MXMA	TTL	TTL	D8049	uPD8049D
NEC	DIL-40/2C	NMOS	OC/+70C	-5V/+5V/+12V	780MXMW	TTL	TTL/TS	D8080A	uPD8080AD
NEC	DIL-40/2C	NMOS	OC/+70C	-5V/+5V/+12V	780MXMW	TTL	TTL/TS	D8080A-1	uPD8080AD-1
NEC	DIL-40/2C	NMOS	OC/+70C	-5V/+5V/+12V	780MXMW	TTL	TTL/TS	D8080A-2	uPD8080AD-2
NEC	DIL-40/2P	NMOS	OC/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	D8080A	uPD8080AFC
NEC	DIL-40/2P	NMOS	OC/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	D8080A-1	uPD8080AFC-1
NEC	DIL-40/2P	NMOS	OC/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	D8080A-2	uPD8080AFC-2
NEC	DIL-40/2C	NMOS	OC/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	D8080A	uPD8080AFD
NEC	DIL-40/2C	NMOS	OC/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	D8080A-1	uPD8080AFD-1
NEC	DIL-40/2C	NMOS	OC/+70C	-5V/+5V/+12V	1.25MXW	TTL	TTL/TS	D8080A-2	uPD8080AFD-2
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	170MXMA	TTL	TTL	D8085A	uPD8085AC
NEC	DIL-40/2C	NMOS	OC/+70C	+5V	170MXMA	TTL	TTL	D8085A	uPD8085AD
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	180MXMA	TTL	TTL	D8155	uPD8155C
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	180MXMA	TTL	TTL	D8156	uPD8156C
NEC	DIL-24/2P	NMOS	OC/+70C	+5V	20MXMA	TTL	TTL	D8243	uPD8243C
NEC	DIL-24/2C	NMOS	OC/+70C	+5V	20MXMA	TTL	TTL	D8243	uPD8243D
NEC	DIL-28/2P	NMOS	OC/+70C	+5V	100MXMA	TTL	TTL	D8251A	uPD8251AC
NEC	DIL-28/2C	NMOS	OC/+70C	+5V	100MXMA	TTL	TTL	D8251A	uPD8251AD
NEC	DIL-28/2P	NMOS	OC/+70C	+5V	100MXMA	TTL	TTL	D8251	uPD8251C
NEC	DIL-28/2C	NMOS	OC/+70C	+5V	100MXMA	TTL	TTL	D8251	uPD8251D
NEC	DIL-24/2P	NMOS	OC/+70C	+5V	85MXMA	TTL	TTL	C8253	uPD8253C
NEC	DIL-24/2P	NMOS	OC/+70C	+5V	85MXMA	TTL	TTL	C8253-5	uPD8253C-5
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	D8225A-5	uPD8255AC-5
NEC	DIL-40/2C	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	D8225A-5	uPD8255AD-5
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	D8255	uPD8255C
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	200MXMW	TTL	TTL	D8255	uPD8255C-E
NEC	DIL-40/2C	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	D8255	uPD8255D
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	D8257	uPD8257C
NEC	DIL-40/2P	NMOS	OC/+70C	+5V	120MXMA	TTL	TTL	D8257-5	uPD8257C-5
NEC	DIL-28/2P	NMOS	OC/+70C	+5V	85MXMA	TTL	TTL	D8259	uPD8259C

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
uPD8259C-5	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080A FAM.	8085A
uPD8259D	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080 FAM. (APP. B)	8080
uPD8259D-5	PINTC	8-BIT	PRIORITY INTERRUPT CONTROLLER FOR 8080A FAM.	8085A
uPD8279C-5	KBDSC	8-BIT	PROGRAMMABLE KEYBOARD-DISPLAY INTERFACE FOR 8085 FAM.	8085A
uPD8355C	ROMIO	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8 ADDR.-DATA 2CE ADDR. LINES	8048/8085
uPD8741C	PIA	8-BIT	UNIVERSAL PERIPHERAL INTERFACE FOR 8080-8048-8085-8086/INT EPROM	8080 ETC
uPD8741D	PIA	8-BIT	UNIVERSAL PERIPHERAL INTERFACE FOR 8080-8048-8085-8086/INT EPROM	8080 ETC
uPD8748C	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INTERNAL CPU-RAM-IO-EPROM/6MHZ INT. CLOCK	8048
uPD8748D	MICMP	8-BIT	1-CHIP MICROCOMPUTER/INTERNAL CPU-RAM-IO-EPROM/6MHZ INT. CLOCK	8048
uPD8755AD	EPROM	8-BIT	16K=2048X8/MAX. ACCESS 400NS/8X 3Y 2CE ADDRESS LINES	8048/8085
8T13DC	DRVR	2-BIT	DUAL LINE DRIVER/TYP. DELAY 20NS/ 50MA OUTPUT	GEN. PURP.
8T13DM	DRVR	2-BIT	DUAL LINE DRIVER/TYP. DELAY 20NS/ 50MA OUTPUT	GEN. PURP.
8T13FM	DRVR	2-BIT	DUAL LINE DRIVER/TYP. DELAY 20NS/ 50MA OUTPUT	GEN. PURP.
8T13PC	DRVR	2-BIT	DUAL LINE DRIVER/TYP. DELAY 20NS/ 50MA OUTPUT	GEN. PURP.
8T14DC	RCVR	3-BIT	TRIPLE LINE RECEIVER/TYP. DELAY 20NS	GEN. PURP.
8T14DM	RCVR	3-BIT	TRIPLE LINE RECEIVER/TYP. DELAY 20NS	GEN. PURP.
8T14PC	RCVR	3-BIT	TRIPLE LINE RECEIVER/TYP. DELAY 20NS	GEN. PURP.
8T23DC	DRVR	2-BIT	DUAL LINE DRIVER/IBM370 /250MA O-P CURRENT/TYP. DELAY 20NS	GEN. PURP.
8T23PC	DRVR	2-BIT	DUAL LINE DRIVER/IBM370/250MA O-P CURRENT/TYP. DELAY 20NS	GEN. PURP.
8T24DC	RCVR	3-BIT	TRIPLE IBM-370 LINE RECEIVER/TYP. DELAY 20NS	GEN. PURP.
8T24PC	RCVR	3-BIT	TRIPLE IBM-370 LINE RECEIVER/TYP. DELAY 20NS	GEN. PURP.
8T26DC	TRCVR	4-BIT	QUAD 3-STATE TRANSCEIVER/NON-INVERTING	GEN. PURP.
8T26PC	TRCVR	4-BIT	QUAD 3-STATE TRANSCEIVER/NON-INVERTING	GEN. PURP.
8T28DC	TRCVR	4-BIT	QUAD 3-STATE TRANSCEIVER/INVERTING	GEN. PURP.
8T28PC	TRCVR	4-BIT	QUAD 3-STATE TRANSCEIVER/INVERTING	GEN. PURP.
8T58I	EXPIO	8-BIT	BUS EXPANDER FOR 8X300 FAM.	8X300
8T58XL	EXPIO	8-BIT	BUS EXPANDER FOR 8X300 FAM.	8X300
8X01A	CRCGR	.	CYCLIC REDUNDANCY CHECK GENERATOR-CHECKER	GEN. PURP.
8X01F	CRCGR	.	CYCLIC REDUNDANCY CHECK GENERATOR-CHECKER	GEN. PURP.
8X01N	CRCGR	.	CYCLIC REDUNDANCY CHECK GENERATOR-CHECKER	8X300
8X02I	SQNCR	.	CONTROL STORE SEQUENCER	GEN. PURP.
8X02N	SQNCR	.	CONTROL STORE SEQUENCER	GEN. PURP.
8X02XL	SQNCR	.	CONTROL STORE SEQUENCER	GEN. PURP.
8X03B	FIFO	2-BIT	DESKEW FIFO MEMORY/CMOS-TTL COMPATIBLE I-O/15V I-O BREAKDOWN	GEN. PURP
8X03F	FIFO	2-BIT	DESKEW FIFO MEMORY/CMOS-TTL COMPATIBLE I-O/15V I-O BREAKDOWN	GEN. PURP.
8X04F	FIFO	2-BIT	DESKEW FIFO MEMORY/CMOS-TTL COMPATIBLE I-O/5.5V I-O BREAKDOWN	GEN. PURP.
8X04B	FIFO	2-BIT	DESKEW FIFO MEMORY/CMOS-TTL COMPATIBLE I-O/5.5V I-O BREAKDOWN	GEN. PURP.
8X06I	FIFO	8-BIT	512=64X8/FIFO SERIAL MEMORY	GEN. PURP.
8X06XL	FIFO	8-BIT	512=64X8/FIFO SERIAL MEMORY	GEN. PURP.
8X07I	FIFO	9-BIT	576=64X9/FIFO SERIAL MEMORY	GEN. PURP.
8X07XL	FIFO	9-BIT	576=64X9/FIFO SERIAL MEMORY	GEN. PURP.
8X300I	MPU	8-BIT	CENTRAL PROCESSING UNIT FOR 8X300 FAMILY	8X300
21F02B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
21F02F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
21F02I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
21F02-4B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
21F02-4F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
21F02-4I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
21L02B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02FDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L02FDL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L02FDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L02FPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L02HDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L02HDL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L02HDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/10 ADDRESS 1CS LINES/LO PWR STDBY	GEN. PURP.
21L02HPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES PWR DWN	GEN. PURP.
21L02I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02-1B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02-1F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02-1I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02-2B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02-2F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02-2I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02-3B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02-3F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L02-3I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 400NS/5X 5Y ADDRESS 1CE LINES/LO PWR STDBY	GEN. PURP.
21L021DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L021DL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES PWR DWN	GEN. PURP.
21L021DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L021PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L022DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L022DL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
21L022DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
NEC	DIL-28/2P	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8259-5	uPD8259C-5
NEC	DIL-28/2C	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8259	uPD8259D
NEC	DIL-28/2D	NMOS	0C/+70C	+5V	85MXMA	TTL	TTL	D8259-5	uPD8259D-5
NEC	DIL-40/2P	NMOS	0C/+70C	+5V		TTL	TTL	D8279A5	uPD8279C-5
NEC	DIL-40/2P	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	P8355	uPD8355C
NEC	DIL-40/2P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	C8741	uPD8741C
NEC	DIL-40/2C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	C8741	uPD8741D
NEC	DIL-40/2P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	C8748	uPD8748C
NEC	DIL-40/2C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	C8748	uPD8748
NEC	DIL-24/2Q	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL	C8755A	uPD8755AD
FAS	DIL-16/1C	TTLB	0C/+70C	+5V	280TPMW	TTL	TTL	8T13DM	8T13DC
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	280TPMW	TTL	TTL		8T13DM
FAS	FLP-16/3C	TTLB	-55C/+125C	+5V	280TPMW	TTL	TTL		8T13FM
FAS	DIL-16/1P	TTLB	0C/+70C	+5V	280TPMW	TTL	TTL	8T13DC	8T13PC
FAS	DIL-16/1C	TTLB	0C/+70C	+5V	315TPMW	TTL	TTL	8T14DM	8T14DC
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	315TPMW	TTL	TTL		8T14DM
FAS	DIL-16/1P	TTLB	0C/+70C	+5V	315TPMW	TTL	TTL	8T14DC	8T14PC
FAS	DIL-16/1C	TTLB	0C/+70C	+5V	280TPMW	TTL	TTL	8T23PC	8T23DC
FAS	DIL-16/1P	TTLB	0C/+70C	+5V	280TPMW	TTL	TTL	8T23DC	8T23PC
FAS	DIL-16/1C	TTLB	0C/+70C	+5V	315TPMW	TTL	TTL	8T24PC	8T24DC
FAS	DIL-16/1P	TTLB	0C/+70C	+5V	315TPMW	TTL	TTL	8T24DC	8T24PC
FAS	DIL-16/1C	TTLB	0C/+70C	+5V		TTL	TTL/TS	8T26PC	8T26DC
FAS	DIL-16/1P	TTLB	0C/+70C	+5V		TTL	TTL/TS	8T26DC	8T26PC
FAS	DIL-16/1C	TTLB	0C/+70C	+5V		TTL	TTL/TS	8T28PC	8T28DC
FAS	DIL-16/1P	TTLB	0C/+70C	+5V		TTL	TTL/TS	8T28DC	8T28PC
SIG	DIL-28/2C	TTLB	0C/+70C	+5V	200MXMA	TTL	TTL/TS		8T58I
SIG	DIL-28/2P	TTLB	0C/+70C	+5V	200MXMA	TTL	TTL/TS		8T58XL
PHI	DIL-14/1P	I2LB	0C/+70C	+1V/+5V	175MXMW	TTL	TTL		8X01A
PHI	DIL-14/1C	I2LB	0C/+70C	+1V/+5V	175MXMW	TTL	TTL		8X01F
PHI	DIL-14/1P	I2LB	0C/+70C	+1V/+5V	175MXMW	TTL	TTL		8X01N
PHI	DIL-28/2M	LSTB	0C/+70C	+5V		TTL	TTL/TS		8X02I
PHI	DIL-28/2P	LSTB	0C/+70C	+5V		TTL	TTL/TS		8X02N
PHI	DIL-28/2P	LSTB	0C/+70C	+5V		TTL	TTL/TS		8X02XL
PHI	DIL-16/1P	I2LB	0C/+70C	+5V	300MXMA	CMOS	CMOS		8X03B
PHI	DIL-16/1C	I2LB	0C/+70C	+5V	300MXMA	CMOS	CMOS		8X03F
PHI	DIL-16/1C	I2LB	0C/+70C	+5V	300MXMA	TTL	TTL/OC		8X04F
PHI	DIL-16/1P	I2LB	0C/+70C	+5V	300MXMA	TTL	TTL/OC		8X04B
PHI	DIL-28/2C	I2LB	0C/+70C	+5V					8X06I
PHI	DIL-28/2P	I2LB	0C/+70C	+5V					8X06XL
PHI	DIL-28/2C	I2LB	0C/+70C	+5V					8X07I
PHI	DIL-28/2P	TTLB	0C/+70C	+5V					8X07XL
PHI	DIL-50/2C	STLB	0C/+70C	+5V		TTL	TTL/TS		8X300I
PHI	DIL-16/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS	P2102A	21F02B
PHI	DIL-16/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	D2102A	21F02F
PHI	DIL-16/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	D2102A	21F02I
PHI	DIL-16/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS	P2102A-4	21F02-4B
PHI	DIL-16/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	D2102A-4	21F02-4F
PHI	DIL-16/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	D2102A-4	21F02-4I
PHI	DIL-16/1P	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	SYP21L02	21L02B
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	SYC21L02	21L02F
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	D2102AL-2	21L02FDC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	40MXMA	TTL	TTL/TS	D2102AL-2	21L02FDL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	40MXMA	TTL	TTL/TS	D2102AL-2	21L02FDM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	P2102AL-2	21L02FPC
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	D2102AL-2	21L02HDC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	40MXMA	TTL	TTL/TS		21L02HDL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	158MXMW	TTL	TTL	21L02HPC	21L02HDM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	P2102AL-2	21L02HPC
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	SYC21L02	21L02I
PHI	DIL-16/1P	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	P2102AL-4	21L02-1B
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	D2102AL-4	21L02-1F
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	D2102AL-4	21L02-1I
PHI	DIL-16/1P	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	2102L2PC	21L02-2B
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	50MXMA	TTL	TTL/TS	21L022DC	21L02-2F
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	2102L2DC	21L02-2I
PHI	DIL-16/1P	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	P2102AL-2	21L02-3B
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	D2102AL-2	21L02-3F
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	40MXMA	TTL	TTL/TS	D2102AL-2	21L02-3I
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	D2102AL-4	21L021DC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	30MXMA	TTL	TTL/TS	D2102AL-4	21L021DL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	30MXMA	TTL	TTL/TS	D2102AL-4	21L021DM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTS	TTL/TS	P2102AL-4	21L021PC
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	21L02-2F	21L022DC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	40MXMA	TTL	TTL/TS	2102L2DL	21L022DL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	40MXMA	TTL	TTL/TS	2102L2DM	21L022DM

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
21L022PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
25L01B	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
25L01I	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/4X 4Y 1CS ADDRESS LINES/	GEN. PURP.
29LS18FM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/LOW POWER 2918	2900
29LS18JC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/LOW POWER 2918	2900
29LS18JM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/LOW POWER 2918	2900
29LS18NC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/LOW POWER 2918	2900
29LS19JC	DREGR	4-BIT	QUAD D-REG. WITH TWO 3-STATE OUTPUT PORTS/35MHZ CLOCK	2900
29LS19JM	DREGR	4-BIT	QUAD D-REG. WITH TWO 3-STATE OUTPUT PORTS/35MHZ CLOCK	2900
29LS19NC	DREGR	4-BIT	QUAD D-REG. WITH TWO 3-STATE OUTPUT PORTS/35MHZ CLOCK	2900
54LS89DM	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
54LS89DMQB	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES/MIL STD 883	GEN. PURP.
54LS89FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
54LS89FMQB	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES/MIL STD 883	GEM. PURP.
54LS189DM	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
54LS189DMQB	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES/MIL STD 883	GEN. PURP.
54LS189FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
54LS189FMQB	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES/MIL STD 883	GEN. PURP.
54LS273N	DREGR	8-BIT	OCTAL D-FLIP-FLOP/POS. EDGE-TRIGGERED STORAGE REGISTER	GEN. PURP.
54LS289DM	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
54LS289DMQB	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES/MIL STD 883	GEN. PURP.
54LS289FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
54LS289FMQB	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES/MIL STD 883	GEN. PURP.
74LS89DC	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
74LS89PC	SRAM	4-BIT	64=16X4/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
74LS189DC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CE LINES	GEN. PURP.
74LS189PC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CE LINES	GEN. PURP.
74LS273N	DREGR	8-BIT	OCTAL D-FLIP-FLOP/POS. EDGE-TRIGGERED STORAGE REGISTER	GEN. PURP.
74LS289DC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CE LINES	GEN. PURP.
74LS289PC	SRAM	4-BIT	64=16X4/MAX. ACCESS 35NS/4 ADDRESS 1CE LINES	GEN. PURP.
74S182A	LAHCG	4-BIT	LOOK AHEAD CARRY GENERATOR	74S181
74S182F	LAHCG	4-BIT	LOOK AHEAD CARRY GENERATOR	74S181
74S182W	LAHCG	4-BIT	LOOK AHEAD CARRY GENERATOR	74S181
74S183A	LAHCG	4-BIT	LOOK AHEAD CARRY GENERATOR	74S181
74S183F	LAHCG	4-BIT	LOOK AHEAD CARRY GENERATOR	74S181
74S183W	LAHCG	4-BIT	LOOK AHEAD CARRY GENERATOR	74S181
82S25DC	SRAM	1-BIT	64=64X1/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
82S25DM	SRAM	1-BIT	64=64X1/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
82S25FM	SRAM	1-BIT	64=64X1/MAX. ACCESS 50NS/4 ADDRESS 1CE LINES	GEN. PURP.
82S25PC	SRAM	1-BIT	64=64X1/OC	GEN. PURP.
93L412DC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93L412DM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 75NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93L412FC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93L412FM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 75NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93L415DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93L415DM	SRAM	4-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93L415DMQB	SRAM	4-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
93L415FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93L415PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93L420DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93L420DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93L420FM	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93L420PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93L421DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 90NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93L421DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 100NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93L421FM	SRAM	1-BIT	256=256X1/MAX. ACCESS 100NS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
93L421PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 90NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93L422DC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93L422DM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 75NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93L422FM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 75NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93L422PC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93L425DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93L425DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93L425DMQB	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93L425FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 70NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93L425PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
1103IK	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 310NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
1103XA	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 310NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
1103-1IK	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 180NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
1103-1XA	DRAM	1-BIT	1K=1024X1/MAX. ACCESS 180NS/5X 5Y ADDRESS 1CE LINES/PRECHARGE	GEN. PURP.
1402B	SHFTR	4-BIT	1K=256X4/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
1402I	SHFTR	4-BIT	1K=256X4/7MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
1403V	SHFTR	2-BIT	1K=512X2/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
1403TA	SHFTR	2-BIT	1K=512X2/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
1404TA	SHFTR	1-BIT	1K=1024X1/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	21L02-2B	21L022PC
SIG	DIL-16/1P	PMOS	0C/+70C	-12V/+5V	300MXMW	TTL	TTL/TS	MK4007P	25L01B
SIG	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	300MXMW	TTL	TTL/TS		25L01I
MMI	FLP-16/3C	LSTB	-55C/+125C	+5V	28MXMA	TTL	TTL/TS	AM29LS18FM	29LS18FM
MMI	DIL-16/1C	LSTB	0C/+75C	+5V	28MXMA	TTL	TTL/TS	AM29LS18DC	29LS18JC
MMI	DIL-16/1C	LSTB	-55C/+125C	+5V	28MXMA	TTL	TTL/TS	AM29LS18DM	29LS18JM
MMI	DIL-16/1P	LSTB	0C/+70C	+5V	28MXMA	TTL	TTL/TS	AM29LS18PC	29LS18NC
MMI	DIL-16/1C	LSTB	0C/+70C	+5V	36MXMA	TTL	TTL/TS+TS		29LS19JC
MMI	DIL-16/1C	LSTB	-55C/+125C	+5V	39MXMA	TTL	TTL/TS+TS		29LS19JC
MMI	DIL-16/1P	LSTB	0C/+70C	+5V	36MXMA	TTL	TTL/TS+TS		29LS19NC
FAS	DIL-16/1C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/OC	54LS89J	54LS89DM
FAS	DIL-16/1C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/OC		54LS89DMQB
FAS	FLP-16/3C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/OC	54LS89W	54LS89FM
FAS	FLP-16/3C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/OC		54LS89FMQB
FAS	DIL-16/1C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/TS	SN54LS189J	54LS189DM
FAS	DIL-16/1C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/TS		54LS189DMQB
FAS	FLP-16/3C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/TS		54LS189FM
FAS	FLP-16/3C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/TS		54LS189FMQB
SIG	DIL-20/1P	LSTB	-55C/+125C	+5V		TTL	TTL		54LS273N
FAS	DIL-16/1C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/OC	SN54LS289J	54LS289DM
FAS	DIL-16/1C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/OC	SN54LS289J	54LS289DMQB
FAS	FLP-16/3C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/OC	SN54LS289W	54LS289FM
FAS	FLP-16/3C	LSTB	-55C/+125C	+5V	25MXMA	TTL	TTL/OC		54LS289FMQB
FAS	DIL-16/1C	LSTB	0C/+70C	+5V	25MXMA	TTL	TTL/OC	74LS89J	74LS89DC
FAS	DIL-16/1P	LSTB	0C/+70C	+5V	25MXMA	TTL	TTL/OC	74LS89N	74LS89PC
FAS	DIL-16/1C	LSTB	0C/+70C	+5V	25MXMA	TTL	TTL/TS	SN74LS189J	74LS189DC
FAS	DIL-16/1P	LSTB	0C/+70C	+5V	25MXMA	TTL	TTL/TS	SN74LS189N	74LS189PC
SIG	DIL-20/1P	LSTB	0C/+70C	+5V		TTL	TTL		74LS273N
FAS	DIL-16/1C	LSTB	0C/+70C	+5V	25MXMA	TTL	TTL/OC	SN74LS289J	74LS289DC
FAS	DIL-16/1P	LSTB	0C/+70C	+5V	25MXMA	TTL	TTL/OC	SN74LS289N	74LS289PC
SIG	DIL-16/1P	STLB	0C/+70C	+5V	72MXMA	TTL	TTL		74S182A
SIG	DIL-16/1C	STLB	0C/+70C	+5V	72MXMA	TTL	TTL		74S182F
SIG	FLP-16/3C	STLB	0C/+70C	+5V	72MXMA	TTL	TTL		74S182W
SIG	DIL-16/1P	STLB	0C/+70C	+5V	109MXMA	TTL	TTL		74S183A
SIG	DIL-16/1C	STLB	0C/+70C	+5V	109MXMA	TTL	TTL		74S183F
SIG	FLP-16/3C	STLB	0C/+70C	+5V	109MXMA	TTL	TTL		74S183W
ADM	DIL-16/1C	STLB	0C/+70C	+5V		TTL	TTL/OC	82S25PC	82S25DC
ADM	DIL-16/1C	STLB	-55C/+125C	+5V		TTL	TTL/OC		82S25DM
ADM	FLP-16/3G	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC		82S25FM
ADM	DIL-16/1P	STLB	0C/+70C	+5V		TTL	TTL/OC	82S25DC	82S25PC
FAS	DIL-22/4C	TTLB	0C/+75C	+5V	80MXMA	TTL	TTL/OC		93L412DC
FAS	DIL-22/4C	TTLB	-55C/+125C	+5V	90MXMA	TTL	TTL/OC		93L412DM
FAS	FLP-24/4C	TTLB	0C/+70C	+5V	250TPMW	TTL	TTL/OC	93L412FM	93L412FC
FAS	FLP-24/4C	TTLB	-55C/+125C	+5V	90MXMA	TTL	TTL/OC		93L412FM
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	65MXMA	TTL	TTL/OC	N82LS10N	93L415DC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	75MXMA	TTL	TTL/OC	N82S10F	93L415DM
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	200TPMW	TTL	TTL/OC		93L415DMQB
FAS	FLP-16/3C	TTLB	-55C/+125C	+5V	75MXMA	TTL	TTL/OC		93L415FM
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	65MXMA	TTL	TTL/OC	N82S10N	93L415PC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	70MXMA	TTL	TTL/TS		93L420DC
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		93L420DM
FAS	FLP-16/3C	TTLB	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		93L420FM
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	70MXMA	TTL	TTL/TS		93L420PC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	70MXMA	TTL	TTL/TS	N82S116F	93L421DC
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	70MXMA	TTL	TTL/TS	S82S116F	93L421DM
FAS	FLP-16/3C	TTLB	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		93L421FM
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	70MXMA	TTL	TTL/TS	N82S116N	93L421PC
FAS	DIL-22/4C	TTLB	0C/+75C	+5V	80MXMA	TTL	TTL/TS		93L422DC
FAS	DIL-22/4C	TTLB	-55C/+125C	+5V	90MXMA	TTL	TTL/TS		93L422DM
FAS	FLP-22/4C	TTLB	-55C/+125C	+5V	90MXMA	TTL	TTL/TS		93L422FM
FAS	DIL-22/4P	TTLB	0C/+70C	+5V	250TPMW	TTL	TTL/TS	93L422DC	93L422PC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	65MXMA	TTL	TTL/TS	N82S111F	93L425DC
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	75MXMA	TTL	TTL/TS	S82S111F	93L425DM
FAS	DIL-16/1G	LSTB	-55C/+125C	+5V	200TPMW	TTL	TTL/TS		93L425DMQB
FAS	FLP-16/3C	TTLB	-55C/+125C	+5V	75MXMA	TTL	TTL/TS		93L425FM
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	65MXMA	TTL	TTL/TS	N82S111N	93L425PC
PHI	DIL-18/1C	PMOS	0C/+70C	+16V/+19V	25MXMA	MOS	SENSE AMP	D1103	1103IK
PHI	DIL-18/1P	PMOS	0C/+70C	+16V/+19V	25MXMA	MOS	SENSE AMP	P1103	1103XA
PHI	DIL-18/1C	PMOS	0C/+70C	+19V/+21V	23MXMA	MOS	SENSE AMP	C1103-1	1103-1IK
PHI	DIL-18/1P	PMOS	0C/+70C	+19V/+21V	23MXMA	MOS	SENSE AMP	P1103-1	1103-1XA
PHI	DIL-16/1P	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL		1402B
PHI	DIL-16/1M	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL		1402I
PHI	DIL-8/1P	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL	HD3503	1403V
PHI	TO5-8/1M	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL		1403TA
PHI	TO5-8/1M	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL		1404TA

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
1404V	SHFTR	1-BIT	1K=1024X1/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
1604-8P	RAM	1-BIT	4K=4096X1 RAM	PPS4/PPS8
2101B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2101F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2101-N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2101-1B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2101-1F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2101-1N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2101-2B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2101-2F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2101-2N	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2102A-2F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102A-2I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102A-2N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102A-4F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102A-4I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102A-4N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102A-6F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102A-6I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102A-6N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102AF	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102AI	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102AL-2F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102AL-2I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102AL-2N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CE ADDRESS LINES LO PWR STDBY	GEN. PURP.
2102AL-4F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102AL-4I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102AL-4N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102AL-F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102AL-I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102AL-N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102AN	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2102B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
2102DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102DL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES/ STANDARD	GEN. PURP.
2102DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES/ STANDARD	GEN. PURP.
2102F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
2102FDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102FDL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102FDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102FFM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102FPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102HDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102HDL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102HDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102HFM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102HPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
2102L1DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102L1DL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102L1DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102L1FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102L1PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102L2DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102L2DL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102L2DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102L2FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102L2PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102LFDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102LFDL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102LFFM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102LFDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES LO PWR STDBY	GEN. PURP.
2102LFPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 350NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102LHDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102LHDL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102LHDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102LHFM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102LHPC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 250NS/5X 5Y 1CS ADDRESS LINES/LO PWR STDBY	GEN. PURP.
2102PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
2102RDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
2102RDL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
2102RDM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
2102SDC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
2102SDL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
2102-1B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y ADDRESS 1CE LINES	2650

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
PHI	DIL-8/1P	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL	HD3504	1404V
ROK	QIL-42/1-	NMOS	0C/+70C			TTL	TTL		1604-8P
PHI	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	C2101	2101B
PHI	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	C2101	2101F
PHI	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2101	2101-N
PHI	DIL-22/4P	NMOS	0C/+70C	+5V	7/MXMA	TTL	TTL/TS	P2101A-4	2101-1B
PHI	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	2101-1F
PHI	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2101-1	2101-1N
PHI	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2101A-4	2101-2B
PHI	DIL-22/4C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	B2101A-4	2101-2F
PHI	DIL-22/4P	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	P2101-2	2101-2N
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2102A-2	2102A-2F
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2102A-2	2102A-2I
SIG	DIL-16/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2102A-2	2102A-2N
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	D2102A-4	2102A-4F
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	D2102A-4	2102A-4I
SIG	DIL-16/1P	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	P2102A-4	2102A-4N
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A-6	2102A-6F
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A-6	2102A-6I
SIG	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A-6	2102A-6N
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	D2102A	2102AF
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	D2102A	2102AI
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2102AL-2	2102AL-2F
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	D2102AL-2	2102AL-2I
SIG	DIL-16/1P	NMOS	0C/+70C	+5V	65MXMA	TTL	TTL/TS	P2102AL-2	2102AL-2N
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	D2102AL-4	2102AL-4F
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	D2102AL-4	2102AL-4I
SIG	DIL-16/1P	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	P2102AL-4	2102AL-4N
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	D2102AL	2102AL-F
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	D2102AL	2102AL-I
SIG	DIL-16/1P	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	D2102AL	2102AL-N
SIG	DIL-16/1P	NMOS	0C/+70C	+5V	33TPMA	TTL	TTL/TS	P2102A	2102AN
PHI	DIL-16/1P	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	P2102	2102B
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102AL	2102DC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	70MXMA	TTL	TTL/TS	MC2102A-4	2102DL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS	MD2102A-4	2102DM
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	D2102A	2102F
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	2102F	DC	2102FDC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	70MXMA	TTL	TTL/TS	2102FDM	2102FDL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS	2102FDL	2102FDM
FAS	FLP-16/3C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		2102FFM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102AL	2102FPC
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102AL2	2102HDC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	70MXMA	TTL	TTL/TS	D2102A-2	2102HDL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS	D2102A-2	2102HDM
FAS	FLP-16/3C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		2102HFM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	C2102A-2	2102HPC
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	D2102A	2102I
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	D2102AL-4	2102L1DC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	40MXMA	TTL	TTL/TS	D2102AL-4	2102L1DL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	40MXMA	TTL	TTL/TS	D2102AL-4	2102L1DM
FAS	FLP-16/3C	NMOS	-55C/+125C	+5V	40MXMA	TTL	TTL/TS		2102L1FM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	P2102AL-4	2102L1PC
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	21L02-2I	2102L2DC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	40MXMA	TTL	TTL/TS	21L022DL	2102L2DL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	40MXMA	TTL	TTL/TS	21L022DM	2102L2DM
FAS	FLP-16/3C	NMOS	-55C/+125C	+5V	40MXMW	TTL	TTL/TS		2102L2FM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	21L02-2B	2102L2PC
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	D2102AL-2	2102LFDC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	40MXMA	TTL	TTL/TS	D2102AL-2	2102LFDL
FAS	FLP-16/3C	NMOS	-55C/+125C	+5V	40MXMA	TTL	TTL/TS		2102LFFM
FAS	FLP-16/3C	NMOS	-55C/+125C	+5V	40MXMA	TTL	TTL/TS		2102LFDM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	P2102AL-2	2102LFPC
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	D2102AL-2	2102LHDC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	40MXMA	TTL	TTL/TS	D2102AL-2	2102LHDL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	40MXMA	TTL	TTL/TS	D2102AL-2	2102LHDM
FAS	FLP-16/3C	NMOS	-55C/+125C	+5V	40MXMA	TTL	TTL/TS		2102LHFM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	30MXMA	TTL	TTL/TS	P2102AL-2	2102LHPC
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2102AL4	2102PC
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	3542ADC	2102RDC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	70MXMA	TTL	TTL/TS	3542ADL	2102RDL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS	3542ADM	2102RDM
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	3542DC	2102SDC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	70MXMA	TTL	TTL/TS	3542DL	2102SDL
PHI	DIL-16/1P	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	P2102A-4	2102-1B

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
2102-1F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y ADDRESS 1CE LINES	2650
2102-1I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y ADDRESS 1CE LINES	2680
2102-2B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
2102-2F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
2102-2I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
2111B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2111F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2111-1B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2111-1F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2111-2B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2111-2F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
2112B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y ADDRESS 1CE LINES	2650
2112F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 1uS/5X 3Y ADDRESS 1CE LINES	2650
2112-1B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y ADDRESS 1CE LINES	GEN. PURP.
2112-1F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/5X 3Y ADDRESS 1CE LINES	GEN. PURP.
2112-2B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y ADDRESS 1CE LINES	GEN. PURP.
2112-2F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 650NS/5X 3Y ADDRESS 1CE LINES	GEN. PURP.
2115-F	SRAM	1-BIT	1K=1024X1/MAX ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93415 PINOUTS	GEN. PURP.
2115-I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 75NS/5X 5Y ADDRESS 1CS LINES/93415 PINOUTS	GEN. PURP.
2115-N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93415 PINOUTS	GEN. PURP.
2115L-F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93415 PINOUTS	GEN. PURP.
2115L-I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93415 PINOUTS	GEN. PURP.
2115L-N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93415 PINOUTS	GEN. PURP.
2125-F	SRAM	1-BIT	1K=1024X4/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93425 PINOUTS	GEN. PURP.
2125-I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93425 PINOUTS	GEN. PURP.
2125L-F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93425 PINOUTS	GEN. PURP.
2125L-I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93425 PINOUTS	GEN. PURP.
2125L-N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93425 PINOUTS	GEN. PURP.
2125-N	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 95NS/5X 5Y 1CS ADDRESS LINES/93425 PINOUTS	GEN. PURP.
2147	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 70NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2147-3	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 55NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP
2501B	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
2501I	SRAM	1-BIT	256=256X1/MAX. ACCESS 1uS/4X 4Y 1CS ADDRESS LINES	GEN. PURP.
2502B	SHFTR	4-BIT	1K=256X4/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
2502I	SHFTR	4-BIT	1K=256X4/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
2503TA	SHFTR	2-BIT	DUAL 512-BIT/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
2503V	SHFTR	2-BIT	DUAL 512-BIT/8MHZ/DYNAMIC SHIFT REGISTER	GEN. PURP.
2504TA	SHFTR	1-BIT	SINGLE 1024-BIT DYNAMIC SHIFT REGISTER	GEN. PURP.
2504V	SHFTR	1-BIT	SINGLE 1024-BIT DYNAMIC SHIFT REGISTER	GEN. PURP.
2505K	SHFTR	1-BIT	SINGLE 512-BIT DYNAMIC SHIFT REGISTER/2CS LINES/3MHZ TYP. CLOCK	GEN. PURP.
2506T	SHFTR	2-BIT	DUAL 100-BIT DYNAMIC SHIFT REG./3MHZ MAX.	GEN. PURP.
2506V	SHFTR	2-BIT	DUAL 100-BIT DYNAMIC SHIFT REG./3MHZ MAX.	GEN. PURP.
2507T	SHFTR	2-BIT	DUAL 100-BIT DYNAMIC SHIFT REG./3MHZ MAX.	GEN. PURP.
2507V	SHFTR	2-BIT	DUAL 100-BIT DYNAMIC SHIFT REG./3MHZ MAX.	GEN. PURP.
2509A	SHFTR	2-BIT	DUAL 50-BIT STATIC SHIFT REGISTER/3MHZ TYP.	GEN. PURP.
2509K	SHFTR	2-BIT	DUAL 50-BIT STATIC SHIFT REGISTER/3MHZ TYP.	GEN. PURP.
2510A	SHFTR	2-BIT	DUAL 100-BIT STATIC SHIFT REGISTER/3MHZ TYP.	GEN. PURP.
2510K	SHFTR	2-BIT	DUAL 100-BIT STATIC SHIFT REGISTER/3MHZ TYP.	GEN. PURP.
2511A	SHFTR	2-BIT	DUAL 200-BIT STATIC SHIFT REGISTER/3MHZ TYP.	GEN. PURP.
2511K	SHFTR	2-BIT	DUAL 100-BIT DYNAMIC SHIFT REG./3MHZ MAX.	GEN. PURP.
2512K	SHFTR	1-BIT	SINGLE 1024-BIT DYNAM. SHIFT REG./2CS LINES/3MHZ TYP. CLOCK	GEN. PURP.
2513I	CHRGN	.	2560=64X8X5 STATIC ROM/CHARACTER GENERATOR	GEN. PURP.
2513N	CHRGN	.	2560=64X8X5 STATIC ROM/CHARACTER GENERATOR	GEN. PURP.
2516I	CHRGN	.	64X6X8 CHARACTER GENERATOR ROM/6X 3Y 1CE ADDRESS LINES	GEN. PURP.
2516N	CHRGN	.	64X6X8 CHARACTER GENERATOR ROM/6X 3Y 1CE ADDRESS LINES	GEN. PURP.
2517T	SHFTR	2-BIT	DUAL 100-BIT DYNAMIC SHIFT REG./3MHZ MAX.	GEN. PURP.
2517V	SHFTR	2-BIT	DUAL 100-BIT DYNAMIC SHIFT REG./3MHZ MAX.	GEN. PURP.
2518B	SHFTR	8-BIT	HEX 32-BIT STATIC SHIFT REGISTER/3MHZ TYP.	GEN. PURP.
2518I	SHFTR	8-BIT	HEX 32-BIT STATIC SHIFT REGISTER/3MHZ TYP.	GEN. PURP.
2519B	SHFTR	8-BIT	HEX 40-BIT STATIC SHIFT REGISTER/3MHZ TYP.	GEN. PURP.
2519I	SHFTR	8-BIT	HEX 40-BIT STATIC SHIFT REGISTER/3MHZ TYP.	GEN. PURP.
2521V	SHFTR	2-BIT	DUAL 128-BIT STATIC SHIFT REGISTER/1.5 MHZ TYP./PUSH-PULL OUTPUT	GEN. PURP.
2522V	SHFTR	2-BIT	DUAL 132-BIT STATIC SHIFT REGISTER/1.5 MHZ TYP./PUSH-PULL OUTPUT	GEN. PURP.
2524V	SHFTR	1-BIT	512-BIT RECIRCULATING DYNAMIC SHIFT REGISTER/5MHZ TYP.	GEN. PURP.
2525V	SHFTR	1-BIT	1024-BIT RECIRCULATING DYNAMIC SHIFT REGISTER/5MHZ TYP.	GEN. PURP.
2526I	CHRGN	.	64X9X4 ROM STATIC CHARACTER GENERATOR	GEN. PURP.
2526N	CHRGN	.	64X9X4 ROM STATIC CHARACTER GENERATOR	GEN. PURP.
2527V	SHFTR	2-BIT	DUAL 256-BIT STATIC SHIFT REGISTER/2.5MHZ TYP./PUSH PULL OUTPUT	GEN. PURP.
2528V	SHFTR	2-BIT	DUAL 250-BIT STATIC SHIFT REGISTER	GEN. PURP.
2529V	SHFTR	2-BIT	DUAL 240-BIT STATIC SHIFT REGISTER	GEN. PURP.
2530I	MROM	8-BIT	4K=512X8/STATIC ROM/MAX. ACCESS 700NS/6X 4Y 2CE ADDRESS LINES	GEN. PURP.
2530N	MROM	8-BIT	4K=512X8/STATIC ROM/MAX. ACCESS 700NS/6X 4Y 2CE ADDRESS LINES	GEN. PURP.
2532B	SHFTR	4-BIT	QUAD 80-BIT STATIC SHIFT REGISTER/1.5MHZ MIN./PUSH-PULL OUTPUT	GEN. PURP.
2532I	SHFTR	4-BIT	QUAD 80-BIT STATIC SHIFT REGISTER/1.5MHZ MIN./PUSH PULL OUTPUT	GEN. PURP.
2533V	SHFTR	1-BIT	SINGLE 1024-BIT STATIC SHIFT REGISTER/1.5MHZ/PUSH-PULL OUTPUT	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	D2102A-4	2102-1F
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	D2102A-4	2102-1I
PHI	DIL-16/1P	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	P2102A-6	2102-2B
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	D2102A-6	2102-2F
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	200TPMW	TTL	TTL/TS	D2102A-6	2102-2I
PHI	DIL-18/1P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL/TS	P2111A	2111B
PHI	DIL-18/1C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL/TS	D2111A	2111F
PHI	DIL-18/1P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	P2111A	2111-1B
PHI	DIL-18/1C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	D2111A	2111-1F
PHI	DIL-18/1P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	P2111A	2111-2B
PHI	DIL-18/1C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	D2111A	2111-2F
PHI	DIL-16/1P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	P2112A-4	2112B
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	D1112A-4	2112F
PHI	DIL-16/1P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	P2112A-4	2112-1B
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	D2112A-4	2112-1F
PHI	DIL-16/1P	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	P2112A	2112-2B
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	135MXMA	TTL	TTL	D2112A	2112-2F
SIG	DIL-16/1C	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/OD	D2115	2115-F
PHI	DIL-16/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/OD	C2115	2115-I
SIG	DIL-16/1P	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/OD	P2115	2115-N
SIG	DIL-16/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/OD	D2115	2115L-F
SIG	DIL-16/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/OD	C2115L	2115L-I
SIG	DIL-16/1P	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/OD	P2115	2115L-N
SIG	DIL-16/1C	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/TS	D2125	2125-F
SIG	DIL-16/1C	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/TS	D2125	2125-I
SIG	DIL-16/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	D2125L	2125L-F
SIG	DIL-16/1C	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	D2125L	2125L-I
SIG	DIL-16/1P	NMOS	0C/+75C	+5V	65MXMA	TTL	TTL/TS	P2125L	2125L-N
SIG	DIL-16/1P	NMOS	0C/+75C	+5V	100MXMA	TTL	TTL/TS	P2125	2125-N
INS	DIL-18/1C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	D2147	2147
INS	DIL-18/1C	NMOS	0C/+70C	+5V	180MXMA	TTL	TTL/TS	D2147-3	2147-3
SIG	DIL-16/1P	PMOS	0C/+70C	-9V/+5V	270MXMW	TTL	TTL/OC	MK4007N	2501B
SIG	DIL-16/1C	PMOS	0C/+70C	-9V/+5V	270MXMW	TTL	TTL/OC	MK4007P	2501I
SIG	DIL-16/1P	PMOS	0C/+70C	-5V/+5V	125MXMA	TTL	TTL/OD	P1402A	2502B
SIG	DIL-16/1C	PMOS	0C/+70C	-5V/+5V	125MXMA	TTL	TTL/OD	C1402A	2502I
SIG	TO5-8/1M	PMOS	0C/+70C	-5V/+5V	125MXMA	TTL	TTL/OD		2503TA
SIG	DIL-8/1P	PMOS	0C/+70C	-5V/+5V	125MXMA	TTL	TTL/OD		2503V
SIG	TO5-8/1M	PMOS	0C/+70C	-5V/+5V	125MXMA	TTL	TTL/OD		2504TA
SIG	DIL-8/1P	PMOS	0C/+70C	-5V/+5V	125MXMA	TTL	TTL/OD		2504V
SIG	TO5-10/1M	PMOS	0C/+70C	-5V/+5V	125MXMW	TTL	TTL/OD	M1405A	2505K
SIG	TO5-8/1M	PMOS	0C/+70C	-5V/+5V		PMOS	PMOS/OD		2506T
SIG	DIL-8/1P	PMOS	0C/+70C	-5V/+5V		PMOS	PMOS/OD		2506V
SIG	TO5-8/1M	PMOS	0C/+70C	-5V/+5V		PMOS	(7.5K)PMOS		2507T
SIG	DIL-8/1P	PMOS	0C/+70C	-5V/+5V		PMOS	(7.5K)PMOS		2507V
SIG	DIL-14/1P	PMOS	0C/+70C	-12V/-5V/+5V	165MXMW	TTL	TTL/TS		2509A
SIG	TO5-10/1M	PMOS	0C/+70C	-12V/-5V/+5V	165MXMW	TTL	TTL/TS		2509K
SIG	DIL-14/1P	PMOS	0C/70C	-12V/-5V/+5V	240MXMW	TTL	TTL/TS		2510A
SIG	TO5-10/1M	PMOS	0C/+70C	-12V/-5V/+5V	240MXMW	TTL	TTL/TS		2510K
SIG	DIL-14/1P	PMOS	0C/+70C	-12V/-5V/+5V	290MXMW	TTL	TTL/TS		2511A
SIG	TO5-10/1M	PMOS	0C/+70C	-12V/-5V/+5V	290MXMW	TTL	TTL/TS		2511K
SIG	TO5-10/1M	PMOS	0C/+70C	-5V/+5V	175MXMW	TTL	TTL/OD		2512K
SIG	DIL-24/2C	PMOS	0C/+70C	-12V/-5V/+5V	235MXMW	TTL	TTL/TS		2513I
SIG	DIL-24/2P	PMOS	0C/+70C	-12V/-5V/+5V	235MXMW	TTL	TTL/TS		2513N
SIG	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	250MXMW	TTL	TTL/TS		2516I
SIG	DIL-16/2P	PMOS	0C/+70C	-12V/+5V	250MXMW	TTL	TTL/TS		2516N
SIG	TO5-8/1M	PMOS	0C/+70C	-5V/+5V		PMOS	(20K)PMOS		2517T
SIG	DIL-8/1P	PMOS	0C/+70C	-5V/+5V		PMOS	(20K)PMOS		2517V
SIG	DIL-16/1P	PMOS	0C/+70C	-12V/+5V	300MXMW	TTL	TTL/OD		2518B
SIG	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	300MXMW	TTL	TTL/OD		2518I
SIG	DIL-16/1P	PMOS	0C/+70C	-12V/+5V	300MXMW	TTL	TTL/OD		2519B
SIG	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	300MXMW	TTL	TTL/OD		2519I
SIG	DIL-8/1P	PMOS	0C/+70C	-12V/+5V	385MXMW	TTL	TTL		2521V
SIG	DIL-8/1P	PMOS	0C/+70C	-12V/+5V	385MXMW	TTL	TTL		2522V
SIG	DIL-8/1P	PMOS	0C/+70C	-5V/+5V	175MXMW	TTL	TTL/OD		2524V
SIG	DIL-8/1P	PMOS	0C/+70C	-5V/+5V	175MXMW	TTL	TTL/OD		2525V
SIG	DIL-22/2C	PMOS	0C/+70C	-12V/+5V	765MXMW	TTL	TTL/TS		2526I
SIG	DIL-22/2P	PMOS	0C/+70C	-12V/+5V	765MXMW	TTL	TTL/TS		2526N
SIG	DIL-8/1P	PMOS	0C/+70C	-12V/+5V	420MXMW	TTL	TTL		2527V
SIG	DIL-8/1P	PMOS	0C/+70C	-12V/+5V		TTL	TTL		2528V
SIG	DIL-8/1P	PMOS	0C/+70C	-12V/+5V		TTL	TTL		2529V
SIG	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	765MXMW	TTL	TTL/TS		2530I
SIG	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	765MXMW	TTL	TTL/TS		2530N
SIG	DIL-16/1P	PMOS	0C/+70C	-12V/+5V	220MXMW	TTL	TTL	MK1007	2532B
SIG	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	220MXMW	TTL	TTL	MK1007	2532I
SIG	DIL-8/1P	PMOS	0C/+70C	-12V/+5V	240MXMW	TTL	TTL		2533V

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
2580I	MROM	4-BIT	8K=2048X4/MAX. ACCESS 950NS/6X 5Y 4CS ADDRESS LINES	GEN. PURP.
2580N	MROM	4-BIT	8K=2048X4/MAX. ACCESS 950NS/6X 6Y 4CS ADDRESS LINES	GEN. PURP.
2600-F	MROM	4/8BIT	16K=2048X8/MAX. ACCESS 550NS/11 ADDRESS 2 QUAD-O-P ENABLE LINES	GEN. PURP.
2600-I	MROM	4/8BIT	16K=2048X8/MAX. ACCESS 550NS/11 ADDRESS 2 QUAD-O-P ENABLE LINES	GEN. PURP.
2600-N	MROM	4/8BIT	16K=2048X8/MAX. ACCESS 550NS/11 ADDRESS 2 QUAD-O-P ENABLE LINES	GEN. PURP.
2600-1F	MROM	4/8BIT	16K=2048X8/MAX. ACCESS 300NS/11 ADDRESS 2 QUAD-O-P ENABLE LINES	GEN. PURP.
2600-1I	MROM	4/8BIT	16K=2048X8/MAX. ACCESS 300NS/11 ADDRESS 2 QUAD-O-P ENABLE LINES	GEN. PURP.
2600-1N	MROM	4/8BIT	16K=2048X8/MAX. ACCESS 300NS/11 ADDRESS 2 QUAD-O-P ENABLE LINES	GEN. PURP.
2602B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2602F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2602I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2602-1B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2602-1F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2602-1I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 500NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2602-2B	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2602-2F	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2602-2I	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CE ADDRESS LINES	GEN. PURP.
2604I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2604N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2606B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 750NS/8 ADDRESS 1CE LINES	GEN. PURP.
2606I	SRAM	4-BIT	1K=256X4/MAX. ACCESS 750NS/8 ADDRESS 1CE LINES	GEN. PURP.
2606-1B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/8 ADDRESS 1CE LINES	GEN. PURP.
2606-1F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/8 ADDRESS 1CE LINES	GEN. PURP.
2606-1I	SRAM	4-BIT	1K=256X4/MAX. ACCESS 500NS/8 ADDRESS 1CE LINES	GEN. PURP.
2607B	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
2607I	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
2608I	MROM	8-BIT	8K=1024X8/MAX. ACCESS 550NS/6X 4Y 4CS LINES	GEN. PURP.
2609B	CHRGN	7X9BIT	128X7X9 STATIC CHARACTER GENR./MAX. ACC. 500NS/7 ADDR. 4CE LINES	GEN. PURP.
2609I	CHRGN	7X9BIT	128X7X9 STATIC CHARACTER GENR./MAX. ACC. 500NS/7 ADDR. 4CE LINES	GEN. PURP.
2612B	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS	GEN. PURP.
2612F	SRAM	4-BIT	1K=256X4/MAX. ACCESS 400NS	GEN. PURP.
2613F	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/10 ADDRESS 1CS LINES	GEN. PURP.
2613I	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/10 ADDRESS 1CS LINES	GEN. PURP.
2613N	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/10 ADDRESS 1CS LINES	GEN. PURP.
2614F	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/10 ADDRESS 1CS LINES	GEN. PURP.
2614I	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/10 ADDRESS 1CS LINES	GEN. PURP.
2614N	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/10 ADDRESS 1CS LINES	GEN. PURP.
2616F	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES	GEN. PURP.
2616I	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES	GEN. PURP.
2616N	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 3CS LINES	GEN. PURP.
2616-1F	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	GEN. PURP.
2616-1I	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	GEN. PURP.
2616-1N	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 3CS LINES	GEN. PURP.
2617F	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 2CS LINES	GEN. PURP.
2617I	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 2CS LINES	GEN. PURP.
2617N	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/11 ADDRESS 2CS LINES	GEN. PURP.
2617-1F	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 2CS LINES	GEN. PURP.
2617-1I	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 2CS LINES	GEN. PURP.
2617-1N	MROM	8-BIT	16K=2048X8/MAX. ACCESS 350NS/11 ADDRESS 2CS LINES	GEN. PURP.
2623F	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS	GEN. PURP.
2623I	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS	GEN. PURP.
2623N	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS	GEN. PURP.
2624F	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS	GEN. PURP.
2624I	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS	GEN. PURP.
2624N	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS	GEN. PURP.
2627F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
2627I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
2627-1F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
2627-1I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
2627-2F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
2627-2I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDR. 1CS LINES	GEN. PURP.
2632I	MROM	8-BIT	32K=4096X8/MAX. ACCESS 500NS/12 ADDRESS 2CS LINES	2650
2632N	MROM	8-BIT	32K=4096X8/MAX. ACCESS 500NS/12 ADDRESS 2CS LINES	2650
2633	MROM	8-BIT	32K=4096X8	2650
2650A-1I	CPU	8-BIT	1-CHIP PROCESSOR/HIGH SPEED 2650AI/2MHZ CLOCK	2650
2650AI	CPU	8-BIT	1-CHIP PROCESSOR/IMPROVED 2650AI/1.25MHZ CLOCK	2650
2650I	CPU		1-CHIP PROCESSOR/32K ADDR. RANGE/75 INSTNS./1.25MHZ CLOCK	2650
2651I	PCI	8-BIT	PROGRAMMABLE COMMUNICATIONS INTERFACE FOR 2650 FAM.	2650
2652I	COMMS	8/16BT	MULTI-PROTOCOL COMMS. IFACE FOR 2650I	2650
2655I	PIO	8-BIT	PROGRAMMABLE PERIPHERAL INTERFACE FOR 2650I CPU	2650
2656I	MEMCT	8-BIT	SYSTEM MEMORY INTERFACE FOR 2650 CPU/2KX8 MROM/128X8 RAM	2650
2660F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-1F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
SIG	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	600MXMW	TTL	TTL/TS		2580I
SIG	DIL-24/2P	PMOS	0C/+70C	-12V/+5V	600MXMW	TTL	TTL/TS		2580N
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	EA4600DC	2600-F
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	EA4600DC	2600-I
SIG	DIL-24/2P	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	EA4600PC	2600-N
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	EA4600DC	2600-1F
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	EA4600DC	2600-1I
SIG	DIL-24/2P	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	EA4600PC	2600-1N
SIG	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		2602B
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		2602F
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		2602I
SIG	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		2602-1B
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		2602-1F
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		2602-1I
SIG	DIL-16/1P	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		2602-2B
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		2602-2F
SIG	DIL-16/1C	NMOS	0C/+70C	+5V	60MXMA	TTL	TTL/TS		2602-2I
SIG	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS		2604I
SIG	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS		2604N
SIG	DIL-16/1P	NMOS	0C/+70C	+5V		TTL	TTL		2606B
SIG	DIL-16/1C	NMOS	0C/+70C	+5V		TTL	TTL		2606I
SIG	DIL-16/1P	NMOS	0C/+70C	+5V		TTL	TTL		2606-1B
SIG	DIL-16/1C	NMOS	0C/+70C	+5V		TTL	TTL		2606-1F
SIG	DIL-16/1C	NMOS	0C/+70C	+5V		TTL	TTL		2606-1I
SIG	DIL-24/2P	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	P2308A	2607B
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	P2308A	2607I
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	130MXMA	TTL	TTL/TS	MCM6830L	2608I
SIG	DIL-24/2P	NMOS	0C/+70C	+5V	800MXMW	TTL	TTL	MCM6570L	2609B
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	800MXMW	TTL	TTL	MCM6570L	2609I
SIG	DIL-16/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS		2612B
SIG	DIL-16/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS		2612F
SIG	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS	C2114	2613F
SIG	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS		2613I
SIG	DIL-18/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS		2613N
SIG	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS		2614F
SIG	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL/TS		2614I
SIG	DIL-18/1P	NMOS	0C/+70C	+5V		TTL	TTL/TS		2614N
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	D2316E	2616F
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	D2316E	2616I
SIG	DIL-24/2P	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	D2316E	2616N
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	D2316E	2616-1F
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	D2316E	2616-1I
SIG	DIL-24/2P	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	D2316E	2616-1N
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	AM9216BDC	2617F
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	AM9216BDC	2617I
SIG	DIL-24/2P	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	AM9216BDC	2617N
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	AM9216BDC	2617-1F
SIG	DIL-24/2C	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	AM9216BDC	2617-1I
SIG	DIL-24/2P	NMOS	0C/+70C	+5V	115MXMA	TTL	TTL/TS	AM9216BDC	2617-1N
SIG	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL		2623F
SIG	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL		2623I
SIG	DIL-18/1P	NMOS	0C/+70C	+5V		TTL	TTL		2623N
SIG	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL		2624F
SIG	DIL-18/1C	NMOS	0C/+70C	+5V		TTL	TTL		2624I
SIG	DIL-18/1P	NMOS	0C/+70C	+5V		TTL	TTL		2624N
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4027P-1	2627F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4027P-1	2627I
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4027P-1	2627-1F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4027P-1	2627-1I
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4027P-1	2627-2F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V		TTL	TTL/TS	MK4027P-1	2627-2I
SIG	DIL-24/2P	NMOS	0C/+70C	+5V		TTL	TTL		2632I
PHI	DIL-24/2P	NMOS	0C/+70C	+5V		TTL	TTL		2632N
PHI	DIL-24/2	NMOS	0C/+70C	+5V		TTL	TTL		2633
SIG	DIL-40/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	INS2650A-1	2650A-1I
SIG	DIL-40/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	INS2650A	2650AI
SIG	DIL-40/2C	NMOS	0C/+70C	+5V	525MXMW	TTL	TTL/TS	INS2650	2650I
SIG	DIL-28/2C	NMOS	0C/+70C	+5V	90TPMA	TTL	TTL	INS2651	2651I
SIG	DIL-40/2C	NMOS	0C/+70C	+5V	150MXMA	TTL	TTL/TS	INS2652	2652I
SIG	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL		2655I
SIG	DIL-40/2C	NMOS	0C/+70C	+5V		TTL	TTL	INS2656	2656I
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-6	2660F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-6	2660I
SIG	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-6	2660N
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-86	2660-1F

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
2660-1I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-1N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-2F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-2I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-2N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-3F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-3I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-3N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-4F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-4I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-4N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-5F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-5I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDRESS 1CS LINES	GEN. PURP.
2660-5N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 MUX. ADDRESS LINES	GEN. PURP.
2680F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2680I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2680N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2680-1F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 270NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2680-1I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 270NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2680-1N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 270NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2680-2F	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2680-2I	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2680-2N	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
2690F	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 ADDRESS LINES	GEN. PURP.
2690I	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 300NS/7 ADDRESS LINES	GEN. PURP.
2690-2F	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 ADDRESS LINES	GEN. PURP.
2690-2I	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 200NS/7 ADDRESS LINES	GEN. PURP.
2690-3F	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 ADDRESS LINES	GEN. PURP.
2690-3I	DRAM	1-BIT	16K=16384X1/MAX. ACCESS 250NS/7 ADDRESS LINES	GEN. PURP.
2704I	EPROM	8-BIT	4K=512X8/STATIC/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
2708	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/6X 4Y 1CS ADDRESS LINES	GEN. PURP.
2708I	EPROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS/STATIC/5X 4Y 1CS ADDRESS LINES	GEN. PURP.
2901AFM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/12MHZ CLOCK/2900 FAM.	2900
2901AJC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/15MHZ CLOCK/2900 FAM	2900
2901AJM	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/15MHZ CLOCK/2900 FAM.	2900
2901ANC	CPEBS	4-BIT	4-BIT MICROPROCESSOR SLICE/15MHZ CLOCK/2900 FAM.	2900
2905FM	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
2905JC	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
2905JM	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
2905NC	UART	4-BIT	QUAD 2-INPUT BUS TRANSCEIVER/4 D-TYPE FLIP-FLOPS + 4 BUS DRIVERS	2900
2906JC	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
2906JM	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
2906NC	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
2906FM	UART	4-BIT	QUAD 2-INPUT OC BUS TRANSCEIVER WITH PARITY	2900
2907FM	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
2907JC	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
2907JM	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
2907NC	UART	4-BIT	QUAD BUS TRANSCEIVER WITH 3-STATE RECEIVER AND PARITY	2900
2909FM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
2909JC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
2909JM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
2909NC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
2911JC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
2911JM	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
2911NC	SQNCR	4-BIT	MICROPROGRAM SEQUENCER FOR 4-BIT-SLICE 2901	2900
2915FM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
2915JC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
2915JM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
2915NC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH INTERFACE LOGIC	2900
2916FM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
2916JC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
2916JM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
2916NC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
2917FM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
2917JC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
2917JM	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
2917NC	UART	4-BIT	QUAD 3-STATE BUS TRANSCEIVER WITH IFACE LOGIC/INTERN. PAR. CHCKR	2900
2918FM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
2918JC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
2918JM	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
2918NC	DREGR	4-BIT	QUAD D-REGISTER/STD AND 3-STATE OUTPUTS/75MHZ CLOCK	2900
3257DC	CHRGN	5X7BIT	64X5X7 CHARACTER GENERATOR MROM/MAX. ACCESS 1uS	GEN. PURP.
3257PC	CHRGN	5X7BIT	64X5X7 CHARACTER GENERATOR MROM/MAX. ACCESS 1uS	GEN. PURP.
3258DC	CHRGN	7X5BIT	64X7X5 CHAR. GENERATOR MROM/MAX. ACCESS 800NS	GEN. PURP.
3258PC	CHRGN	7X5BIT	64X7X5 CHAR. GENERATOR MROM/MAX. ACCESS 800NS	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-86	2660-1I
SIG	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-86	2660-1N
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-15	2660-2F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-15	2660-2I
SIG	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-15	2660-2N
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-6	2660-3F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-6	2660-3I
SIG	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-6	2660-3N
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-16	2660-4F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-16	2660-4I
SIG	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-16	2660-4N
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-85	2660-5F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-85	2660-5I
SIG	DIL-16/1P	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-85	2660-5N
SIG	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	D2107C-1	2680F
SIG	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	D2107C-1	2680I
SIG	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	P2107C-1	2680N
SIG	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	D2107C	2680-1F
SIG	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	D2107C	2680-1I
SIG	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	P2107C	2680-1N
SIG	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	D2107C-4	2680-2F
SIG	DIL-22/2C	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	D2107C-4	2680-2I
SIG	DIL-22/2P	NMOS	0C/+70C	-5V/+5V/+12V	54MXMA	TTL	TTL/TS	P2107C-4	2680-2N
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	70MXMA	TTL	TTL/TS	C2116	2690F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	70MXMA	TTL	TTL/TS	C2116	2690I
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	70MXMA	TTL	TTL/TS	C2116-2	2690-2F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	70MXMA	TTL	TTL/TS	C2116-2	2690-2I
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	70MXMA	TTL	TTL/TS	C2116-3	2690-3F
SIG	DIL-16/1C	NMOS	0C/+70C	-5V/+5V/+12V	70MXMA	TTL	TTL/TS	C2116-3	2690-3I
SIG	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	750MXMW	TTL	TTL/TS	C2704	2704I
ADM	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	B2708	2708
SIG	DIL-24/2Q	NMOS	0C/+70C	-5V/+5V/+12V	800MXMW	TTL	TTL/TS	C2708	2708I
MMI	FLP-40/5C	LSTB	-55C/+125C	+5V	280MXMA		TTL/TS	AM2901AFM	2901AFM
ADM	DIL-40/2C	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS	AM2901ADC	2901AJC
ADM	DIL-40/2C	LSTB	-55C/+125C	+5V	280MXMA	TTL	TTL/TS	AM2901ADM	2901AJM
ADM	DIL-40/2P	LSTB	0C/+70C	+5V	265MXMA	TTL	TTL/TS	AM2901APC	2901ANC
MMI	FLP-24/4C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS	AM2905FM	2905FM
MMI	DIL-24/2C	LSTB	0C/+85C	+5V	105MXMA	TTL	TTL/TS	AM2905DC	2905JC
MMI	DIL-24/2C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS	AM2905DM	2905JM
MMI	DIL-24/2P	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/TS	AM2905PC	2905NC
MMI	DIL-24/2C	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	AM2906DC	2906JC
MMI	DIL-24/2C	LSTB	-55C/+125C	+5V	TTL/OC	TTL	TTL/OC	AM2906DM	2906JM
MMI	DIL-24/2P	LSTB	0C/+70C	+5V	105MXMA	TTL	TTL/OC	AM2906PC	2906NC
MMI	FLP-24/4C	LSTB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	AM2906FM	2906FM
MMI	FLP-20/4C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC+TS	AM2907FM	2907FM
MMI	DIL-20/1C	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL/OC+TS	AM2907DC	2907JC
MMI	DIL-20/1C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC+TS	AM2907DM	2907JM
MMI	DIL-20/1P	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL/OC+TS	AM2907PC	2907NC
MMI	FLP-28/4C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM2909FM	2909FM
MMI	DIL-28/2C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2909DC	2909JC
MMI	DIL-28/2C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM2909DM	2909JM
MMI	DIL-28/2P	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2909PC	2909NC
MMI	DIL-20/1C	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2911DC	2911JC
MMI	DIL-20/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	AM2911DM	2911JM
MMI	DIL-20/1P	TTLB	0C/+70C	+5V	130MXMA	TTL	TTL/TS	AM2911PC	2911NC
MMI	FLP-24/3C	LSTB	-55C/+125C	+5V	90MXMA	TTL	TTL	AM2915FM	2915FM
MMI	DIL-24/1C	LSTB	0C/+70C	+5V	90MXMA	TTL	TTL	AM2915DC	2915JC
MMI	DIL-24/1C	LSTB	-55C/+125C	+5V	90MXMA	TTL	TTL	AM2915DM	2915JM
MMI	DIL-24/2P	LSTB	0C/+70C	+5V	90MXMA	TTL	TTL	AM2915PC	2915NC
MMI	FLP-24/3C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL	AM2916FM	2916FM
MMI	DIL-24/2C	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	AM2916DC	2916JC
MMI	DIL-24/2C	LSTB	-55C/+125C	+5V	110MXMA	TTL	TTL	AM2916DM	2916JM
MMI	DIL-24/2P	LSTB	0C/+70C	+5V	110MXMA	TTL	TTL	AM2916PC	2916NC
MMI	FLP-20/3C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL	AM2917FM	2917FM
MMI	DIL-20/2C	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL	AM2917DC	2917J
MMI	DIL-20/2C	LSTB	-55C/+125C	+5V	95MXMA	TTL	TTL	AM2917DM	2917JM
MMI	DIL-20/1P	LSTB	0C/+70C	+5V	95MXMA	TTL	TTL	AM2917PC	2917NC
MMI	FLP-16/3C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	AM2918FM	2918FM
MMI	DIL-16/1C	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	AM2918DC	2918JC
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	120MXMA	TTL	TTL/TS	AM2918DM	2918JM
MMI	DIL-16/1P	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	AM2918PC	2918NC
FAS	DIL-24/2C	PMOS	0C/+75C	-12V/+5V	715MXMW	TTL	TTL		3257DC
FAS	DIL-24/2P	PMOS	0C/+75C	-12V/+5V	715MXMW	TTL	TTL		3257PC
FAS	DIL-16/1C		0C/+70C	-12V/+5V	500MXMW	TTL	TTL		3258DC
FAS	DIL-16/1P	PMOS	0C/+70C	-12V/+5V	500MXMW	TTL	TTL		3258PC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
3260DC	CHRGN	9X7BIT	64X9X7 CHAR. GENERATOR MROM/MAX. ACCESS 1uS	GEN. PURP.
3260PC	CHRGN	9X7BIT	64X9X7 CHAR. GENERATOR MROM/MAX. ACCESS 1uS	GEN. PURP.
3341ADC	FIFO	4-BIT	256=64X4/O-1MHZ /FIRST IN FIRST OUT MEMORY/1MHZ	GEN. PURP.
3341ADL	FIFO	4-BIT	256=64X4/O-1MHZ /FIRST IN FIRST OUT MEMORY/1MHZ	GEN. PURP.
3341APC	FIFO	4-BIT	256=64X4/O-1MHZ /FIRST IN FIRST OUT MEMORY/1MHZ	GEN. PURP.
3341DC	FIFO	4-BIT	256=64X4/O-700KHZ /FIRST IN FIRST OUT MEMORY/700KHZ	GEN. PURP.
3341DL	FIFO	4-BIT	256=64X4/O-700KHZ /FIRST IN FIRST OUT MEMORY/700KHZ	GEN. PURP.
3341DM	FIFO	4-BIT	256=64X4/O-700KHZ /FIRST IN FIRST OUT MEMORY/700KHZ	GEN. PURP.
3341PC	FIFO	4-BIT	256=64X4/O-700KZ /FIRST IN FIRST OUT MEMORY/700KHZ	GEN. PURP.
3342DC	SHFTR	4-BIT	256=64X4/STATIC SHIFT REGISTER/O-1.5MHZ	GEN. PURP.
3342PC	SHFTR	4-BIT	256=64X4/STATIC SHIFT REGISTER/O-1.5MHZ	GEN. PURP.
3347DC	SHFTR	4-BIT	256=64X4/STATIC SHIFT REGISTER/O-1.5MHZ	GEN. PURP.
3347PC	SHFTR	4-BIT	256=64X4/STATIC SHIFT REGISTER/O-1.5MHZ	GEN. PURP.
3348DC	SHFTR	6-BIT	192=32X6/STATIC SHIFT REGISTER/O.1-1.OMHZ	GEN. PURP.
3349DC	SHFTR	6-BIT	192=32X6/STATIC SHIFT REGISTER/O.1-1.OMHZ	GEN. PURP.
3349PC	SHFTR	6-BIT	192=32X6/STATIC SHIFT REGISTER/O.1-1.OMHZ	GEN. PURP.
3357-1DC	SHFTR	4-BIT	320=80X4/STATIC SHIFT REGISTER/O-4MHZ	GEN. PURP.
3357-2DC	SHFTR	4-BIT	320=80X4/STATIC SHIFT REGISTER/O-2MHZ	GEN. PURP.
3508DC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS	GEN. PURP.
3508PC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 450NS	GEN. PURP.
3515-1DC	MROM	8-BIT	4K=512X8/MAX. ACCESS 600NS/9 ADDRESS 4CS LINES	GEN. PURP.
3515-2DC	MROM	8-BIT	4K=512X8/MAX. ACCESS 700NS/9 ADDRESS 4CS LINES	GEN. PURP.
3516DC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/11 ADDRESS 3CS LINES	GEN. PURP.
3516EDC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/REARRANGED-LEADS VERSION OF 3516DC	GEN. PURP.
3516EPC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 450NS/REARRANGED-LEADS VERSION OF 3516PC	GEN. PURP.
3516PC	MROM	8-BIT	16K=2048X8/MAX. ACCESS 850NS/11 ADDRESS 3CS LINES	GEN. PURP.
3539DC	SRAM	8-BIT	2K=256X8/MAX. ACCESS 650NS/8 ADDRESS 2CS LINES	GEN. PURP.
3542ADC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
3542ADL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
3542ADM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
3542DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
3542DL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
3542PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 1uS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
3544DC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 250NS	GEN. PURP.
3708DC	MUX	8-BIT	8-CHANNEL MULTIPLEX SWITCH/450 MAX. OHMS ON-RESISTANCE	GEN. PURP.
3708DL	MUX	8-BIT	8-CHANNEL MULTIPLEX SWITCH/450 MAX. OHMS ON-RESISTANCE	GEN. PURP.
3708DM	MUX	8-BIT	8-CHANNEL MULTIPLEX SWITCH/450 MAX. OHMS ON-RESISTANCE	GEN. PURP.
3708FC	MUX	8-BIT	8-CHANNEL MULTIPLEX SWITCH/450 MAX. OHMS ON-RESISTANCE	GEN. PURP.
3708FM	MUX	8-BIT	8-CHANNEL MULTIPLEX SWITCH/450 MAX. OHMS ON-RESISTANCE	GEN. PURP.
3708PC	MUX	8-BIT	8-CHANNEL MULTIPLEX SWITCH/450 MAX. OHMS ON-RESISTANCE	GEN. PURP.
4104ACC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P.	GEN. PURP.
4104ACP	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 200NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P.	GEN. PURP.
4104BCP	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P.	GEN. PURP.
4104BCC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 150NS/5X 5Y 1CS ADDRESS LINES/NON-INV O-P.	GEN. PURP.
4200ACC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
4200ACP	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
4200BCC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
4200BCP	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 150NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
4702BDC	CTC	.	PROGRAMMABLE BIT RATE GENERATOR/7.5MHZ MAX. CLOCK/14 BIT RATES	4705
4702BDM	CTC	.	PROGRAMMABLE BIT RATE GENERATOR/7.5MHZ MAX.	4705
4702BDMQB	CTC	.	PROGRAMMABLE BIT RATE GENERATOR/MIL STD 883 VERSION OF 4702BDM	4705
4702BFC	CTC	.	PROGRAMMABLE BIT RATE GENERATOR/7.5MHZ MAX. CLOCK/14 BIT RATES	4705
4702BFM	CTC	.	PROGRAMMABLE BIT RATE GENERATOR/7.5MHZ MAX. CLOCK/14 BIT RATES	4705
4702BFMQB	CTC	.	PROGRAMMABLE BIT RATE GENERATOR/MIL STD 883 VERSION OF 4702BFM	4705
4702BPC	CTC	.	PROGRAMMABLE BIT RATE GENERATOR/7.5MHZ MAX. CLOCK/14 BIT RATES	4705
4703BDC	FIFO	4-BIT	64=16X4-BIT SERIAL-PARALLEL FIFO BUFFER MEMORY/5.3MHZ MAX. CLOCK	4705
4703BDM	FIFO	4-BIT	64=16X4-BIT SERIAL-PARALLEL FIFO BUFFER MEMORY/5.3MHZ MAX. CLOCK	4705
4703BDMQB	FIFO	4-BIT	64=16X4-BIT SERIAL-PARALLEL FIFO BUFFER/MIL STD 883 4703BDM	4705
4703BFC	FIFO	4-BIT	64=16X4-BIT SERIAL-PARALLEL FIFO BUFFER MEMORY/5.3MHZ MAX. CLOCK	4705
4703BFM	FIFO	4-BIT	64=16X4-BIT SERIAL-PARALLEL FIFO BUFFER MEMORY/5.3MHZ MAX. CLOCK	4705
4703BFMQB	FIFO	4-BIT	64=16X4-BIT SERIAL-PARALLEL FIFO BUFFER MEM./MIL STD 4703BFM	4705
4703BPC	FIFO	4-BIT	64=16X4-BIT SERIAL-PARALLEL FIFO BUFFER MEMORY/5.3MHZ MAX. CLOCK	4705
4704BDC	SPECL	4-BIT	DATA PATH SWITCH FOR CLOSING LOOPS ROUND ARITHMETIC-LOGIC UNITS	4705
4704BDM	SPECL	4-BIT	DATA PATH SWITCH FOR CLOSING LOOPS ROUND ARITHMETIC-LOGIC UNITS	4705
4704BDMQB	SPECL	4-BIT	DATA PATH SWITCH/MIL STD 883 VERSION OF 4704BDM	4705
4704BFC	SPECL	4-BIT	DATA PATH SWITCH FOR CLOSING LOOPS ROUND ARITHMETIC-LOGIC UNITS	4705
4704BFM	SPECL	4-BIT	DATA PATH SWITCH FOR CLOSING LOOPS ROUND ARITHMETIC-LOGIC UNITS	4705
4704BFMQB	SPECL	4-BIT	DATA PATH SWITCH/MIL STD 883 VERSION OF 4704BFM	4705
4704BPC	SPECL	4-BIT	DATA PATH SWITCH FOR CLOSING LOOPS ROUND ARITHMETIC-LOGIC UNITS	4705
4705BDC	RALU	4-BIT	4-BIT ARITHMETIC REGISTER STACK/4.3MHZ TYP. CLOCK FREQUENCY	4705
4705BDM	RALU	4-BIT	4-BIT ARITHMETIC REGISTER STACK/4.3MHZ TYP. CLOCK FREQUENCY	4705
4705BDMQB	RALU	4-BIT	4-BIT ARITHMETIC REGISTER STACK/MIL STD 883 VERSION OF 4705BDM	4705
4705BFC	RALU	4-BIT	4-BIT ARITHMETIC REGISTER STACK/4.3MHZ TYP. CLOCK FREQUENCY	4705
4705BFM	RALU	4-BIT	4-BIT ARITHMETIC REGISTER STACK/4.3MHZ TYP. CLOCK FREQUENCY	4705
4705BFMQB	RALU	4-BIT	4-BIT ARITHMETIC REGISTER STACK/MIL STD 883 VERSION OF 4705BFM	4705

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FAS	DIL-24/2C	PMOS	0C/+70C	-12V/+5V		TTL	TTL/TS		3260DC
FAS	DIL-24/2P	PMOS	0C/+70C	-12V/+5V		TTL	TTL/TS		3260PC
FAS	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	450MXMW	TTL	TTL		3341ADC
FAS	DIL-16/1C	PMOS	-55C/+85C	-12V/+5V	625MXMW	TTL	TTL		3341ADL
FAS	DIL-16/1P	PMOS	0C/+70C		450MXMW	TTL	TTL		3341APC
FAS	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	450MXMW	TTL	TTL	3341ADC	3341DC
FAS	DIP-16/1C	PMOS	-55C/+85C	-12V/+5V	625MXMW	TTL	TTL	3341ADL	3341DL
FAS	DIL-16/1C	PMOS	-55C/+125C		625MXMW	TTL	TTL		3341DM
FAS	DIL-16/1P	PMOS	0C/+70C	-12V/+5V	450MXMW	TTL	TTL	3341APC	3341PC
FAS	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	380MXMW	TTL	TTL		3342DC
FAS	DIL-16/1P	PMOS	0C/+70C	-12V/+5V	380MXMW	TTL	TTL		3342PC
FAS	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	380MXMW	TTL	TTL		3347DC
FAS	DIL-16/1P	PMOS	0C/+70C	-12V/+5V	380MXMW	TTL	TTL		3347PC
FAS	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	150MXMW	TTL	TTL		3348DC
FAS	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	150MXMW	TTL	TTL		3349DC
FAS	DIL-16/1P	PMOS	0C/+70C	-12V/+5V	150MXMW	TTL	TTL		3349PC
FAS	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	375MXMW	TTL	TTL		3357-1DC
FAS	DIL-16/1C	PMOS	0C/+70C	-12V/+5V	285MXMW	TTL	TTL	3357-1DC	3357-2DC
FAS	DIL-24/2C	NMOS	0C/+70C	-5V/+5V/+12V	330MXMW	TTL	TTL/TS		3508DC
FAS	DIL-24/2P	NMOS	0C/+70C	-5V/+5V/+12V	330MXMW	TTL	TTL/TS		3508PC
FAS	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	510MXMW	TTL	TTL/TS	SY3515	3515-1DC
FAS	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	510MXMW	TTL	TTL/TS	SY3515	3515-2DC
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	98MXMA	TTL	TTL/TS	D3516A	3516DC
FAS	DIL-24/2C	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	D3516E	3516EDC
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	120MXMA	TTL	TTL/TS	D3516E	3516EPC
FAS	DIL-24/2P	NMOS	0C/+70C	+5V	98MXMA	TTL	TTL/TS	D3516A	D3516PC
FAS	DIL-22/2C	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL	MK3539	3539DC
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	2102RDC	3542ADC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	70MXMA	TTL	TTL/TS	2102RDL	3542ADL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS	2102RDM	3542ADM
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	2102SDC	3542DC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	70MXMA	TTL	TTL/TS	2102SDL	3542DL
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS		3542PC
FAS	DIL-18/1C	NMOS	0C/+70C	+5V	450MXMW	TTL	TTL/		3544DC
FAS	DIL-16/1C	PMOS	0C/+70C	-20V		PMOS	PMOS		3708DC
FAS	DIL-16/1C	PMOS	-55C/+85C	-20V		PMOS	PMOS		3708DL
FAS	DIL-16/1C	PMOS	-55C/+125C	-20V		PMOS	PMOS		3708DM
FAS	FLP-16/3C	PMOS	0C/+70C	-20V		PMOS	PMOS		3708FC
FAS	DIL-16/1C	PMOS	-55C/+125C	-20V		PMOS	PMOS		3708FM
FAS	DIL-16/1P	PMOS	0C/+70C	-20V		PMOS	PMOS		3708PC
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS		4104ACC
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS		4104ACP
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS		4104BCP
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS		4104BCC
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	uPD410D	4200ACC
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	50MXMA	TTL	TTL/TS	uPD410D	4200ACP
EMM	DIL-22/4C	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS	uPD410D-1	4200BCC
EMM	DIL-22/4P	NMOS	0C/+70C	-5V/+5V/+12V	55MXMA	TTL	TTL/TS	uPD410D-2	4200BCP
FAS	DIL-16/1C	CMOS	-40C/+85C	5(3/15)V	50TPMW		TTL	HD4702-9	4702BDC
FAS	DIL-16/1C	CMOS	-55C/+125C	5(3/15)V	50TPMW		TTL	HD4702-2	4702BDM
FAS	DIL-16/1C	CMOS	-55C/+125C	5(3/15)V	50TPMW		TTL		4702BDMQB
FAS	FLP-16/3C	CMOS	-40C/+85C	5(3/15)V	50TPMW		TTL	4702BFM	4702BFC
FAS	FLP-16/3C	CMOS	-55C/+125C	5(3/15)V	50TPMW		TTL		4702BFM
FAS	FLP-16/3C	CMOS	-55C/+125C	5(3/15)V	50TPMW		TTL		4702BFMQ
FAS	DIL-16/1P	CMOS	-40C/+85C	5(3/15)V	50TPMW		TTL	HD4702-9	4702BPC
FAS	DIL-24/4C	CMOS	-40C/+85C	5(3/15)V	0.5MXMW			4703BDM	4703BDC
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	0.5MXMW				4703BDM
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	0.5MXMW				4703BDMQB
FAS	SPECIAL/C	CMOS	-40C/+85C	5(3/15)V	0.5MXMW			4703BFM	4703BFC
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	0.5MXMW				4703BFM
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	0.5MXMW				4703BFMQB
FAS	DIL-24/4P	CMOS	-40C/+85C	5(3/15)V	0.5MXMW			4703BDC	4703BPC
FAS	DIL-24/4C	CMOS	-40C/+85C	5(3/15)V	15TPuW			4704BDM	4704BDC
	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4704BDM
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4704BDMQB
FAS	SPECIAL/C	CMOS	-40C/+85C	5(3/15)V	15TPuW			4704BFM	4704BFC
FAS	SPECIAL/C	CMOS	-55C/+85C	5(3/15)V	15TPuW				4704BFM
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4704BFMQB
FAS	DIL-24/4P	CMOS	-40C/+85C	5(3/15)V	15TPuW			4704BDC	4704BPC
FAS	DIL-24/4C	CMOS	-40C/+85C	5(3/15)V	15TPuW			4705BDM	4705BDC
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4705BDM
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4705BDMQB
FAS	SPECIAL/C	CMOS	-40C/+85C	5(3/15)V	15TPuW			4705BFM	4705BFC
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4705BFM
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4705BFMQB

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
4705BPC	RALU	4-BIT	4-BIT ARITHMETIC REGISTER STACK/4.3MHZ TYP. CLOCK FREQUENCY	4705
4706BDC	LIFO	4-BIT	64=16X4 PUSH-DOWN POP-UP PROGRAM STACK	4705
4706BDM	LIFO	4-BIT	64=16X4 PUSH-DOWN POP-UP PROGRAM STACK	4705
4706BDMQB	LIFO	4-BIT	64=16X4 PUSH-DOWN POP-UP PROGRAM STACK/MIL STD 883 4706BDM	4705
4706BFC	LIFO	4-BIT	64=16X4 PUSH-DOWN POP-UP PROGRAM STACK	4705
4706BFM	LIFO	4-BIT	64=16X4 PUSH-DOWN POP-UP PROGRAM STACK	4705
4706BFMQB	LIFO	4-BIT	64=16X4 PUSH-DOWN POP-UP PROGRAM STACK/MIL STD 883 4706BFM	4705
4706BPC	LIFO	4-BIT	64=16X4 PUSH-DOWN POP-UP PROGRAM STACK	4705
4707BDC	REGR	4-BIT	DATA ACCESS REGISTER/5.2MHZ TYP. CLOCK FREQUENCY	4705
4707BDM	REGR.	4-BIT	DATA ACCESS REGISTER/5.2MHZ TYP. CLOCK	4705
4707BDMQB	REGR	4-BIT	DATA ACCESS REGISTER/5.2MHZ TYP. CLOCK/MIL STD 883 4707BDM	4705
4707BFC	REGR	4-BIT	DATA ACCESS REGISTER/5.2MHZ TYP. CLOCK FREQUENCY	4705
4707BFM	REGR	4-BIT	DATA ACCESS REGISTER/5.2MHZ TYP. CLOCK	4705
4707BFMQB	REGR	4-BIT	DATA ACCESS REGISTER/MIL STD 883 VERSION OF 4707BFM	4705
4707BPC	REGR	4-BIT	DATA ACCESS REGISTER/5.2MHZ TYP. CLOCK FREQUENCY	4705
4708BDC	SQNCR	10-BIT	MICROPROGRAM SEQUENCER-CONTROLLER/2MHZ TYP. CLOCK FREQUENCY	4705
4708BDM	SQNCR	10-BIT	MICROPROGRAM SEQUENCER-CONTROLLER/2MHZ TYP. CLOCK FREQUENCY	4705
4708BDMQB	SQNCR	10-BIT	MICROPROGRAM SEQUENCER-CONTROLLER/MIL STD VERSION OF 4708BDM	4705
4708BPC	SQNCR	10-BIT	MICROPROGRAM SEQUENCER-CONTROLLER/2MHZ TYP. CLOCK FREQUENCY	4705
4710BDC	SRAM	4-BIT	64=16X4/REGISTER STACK WITH OUTPUT LATCH/6.8MHZ TYP. CLOCK FREQ.	4705
4710BDM	SRAM	4-BIT	64=16X4/REGISTER STACK WITH OUTPUT LATCH/6.8MHZ TYP. CLOCK FREQ.	4705
4710BDMQB	SRAM	4-BIT	64=16X4/REGISTER STACK WITH OUTPUT LATCH/MIL STD 883 4710BDM	4705
4710BPC	SRAM	4-BIT	64=16X4/REGISTER STACK WITH OUTPUT LATCH/6.8MHZ TYP. CLOCK FREQ.	4705
4720BDC	SRAM	1-BIT	256=256X1/TYP. ACCESS 95NS/8 ADDRESS 1CS LINES	4705
4720BDM	SRAM	1-BIT	256=256X1/TYP. ACCESS 95NS/8 ADDRESS 1CS LINES	4705
4720BDMQB	SRAM	1-BIT	256=256X1/TYP. ACCESS 95NS/MIL STD 883 VERSION OF 4720BDM	4705
4720BFC	SRAM	1-BIT	256=256X1/TYP. ACCESS 95NS/8 ADDRESS 1CS LINES	4705
4720BFM	SRAM	1-BIT	256=256X1/TYP. ACCESS 95NS/8 ADDRESS 1CS LINES	4705
4720BFMQB	SRAM	1-BIT	256=256X1/TYP. ACCESS 95NS/MIL STD 883 VERSION OF 4720BFM	4705
4720BPC	SRAM	1-BIT	256=256X1/TYP. ACCESS 95NS/8 ADDRESS 1CS LINES	4705
4720DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 100NS/8 ADDRESS 1CS LINES	GEN. PURP.
4720DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 100NS/8 ADDRESS 1CS LINES	GEN. PURP.
4720PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 100NS/8 ADDRESS 1CS LINES	GEN. PURP.
4721BDC	SRAM	4-BIT	1K=256X4/TYP. ACCESS 240NS/5X 3Y ADDRESS 2CE LINES	4705
4721BDM	SRAM	4-BIT	1K=256X4/TYP. ACCESS 240NS/5X 3Y ADDRESS 2CE LINES	4705
4721BDMQB	SRAM	4-BIT	1K=256X4/TYP. ACCESS 240NS/5X 3Y ADDRESS 2CE LINES/MIL STD 883	4705
4721BFC	SRAM	4-BIT	1K=256X4/TYP. ACCESS 240NS/5X 3Y ADDRESS 2CE LINES	4705
4721BFM	SRAM	4-BIT	1K=256X4/TYP. ACCESS 240NS/5X 3Y ADDRESS 2CE LINES	4705
4721BFMQB	SRAM	4-BIT	1K=256X4/TYP. ACCESS 240NS/5X 3Y ADDRESS 2CE LINES/MIL STD 883	4705
4721BPC	SRAM	4-BIT	1K=256X4/TYP. ACCESS 240NS/5X 3Y ADDRESS 2CE LINES	4705
4721DC	SRAM	4-BIT	1K=256X4/TYP. ACCESS 450NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
4721DM	SRAM	4-BIT	1K=256X4/TYP. ACCESS 450NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
4721PC	SRAM	4-BIT	1K=256X4/TYP. ACCESS 450NS/5X 3Y ADDRESS 2CE LINES	GEN. PURP.
4725BDC	SRAM	4-BIT	64=16X4/TYP. ACCESS 100NS/4 ADDRESS 1CS LINES	4705
4725BDM	SRAM	4-BIT	64=16X4/TYP. ACCESS 100NS/4 ADDRESS 1CS LINES	4705
4725BDMQB	SRAM	4-BIT	64=16X4/TYP. ACCESS 100NS/4 ADDRESS 1CS LINES/MIL STD 883	4705
4725BFC	SRAM	4-BIT	64=16X4/TYP. ACCESS 100NS/4 ADDRESS 1CS LINES	4705
4725BFM	SRAM	4-BIT	64=16X4/TYP. ACCESS 100NS/4 ADDRESS 1CS LINES	4705
4725BFMQB	SRAM	4-BIT	64=16X4/TYP. ACCESS 100NS/4 ADDRESS 1CS LINES/MIL STD 883	4705
4725BPC	SRAM	4-BIT	64=16X4/TYP. ACCESS 100NS/4 ADDRESS 1CS LINES	4705
4735BDC	ROM	8-BIT	4K=256X8/TYP. ACCESS 152NS/8 ADDRESS 1CS LINES	4705
4735BDM	ROM	8-BIT	4K=256X8/TYP. ACCESS 152NS/8 ADDRESS 1CS LINES	4705
4735BDMQB	ROM	8-BIT	4K=256X8/TYP. ACCESS 152NS/8 ADDRESS 1CS LINES/MIL STD 883	4705
4735BFC	ROM	8-BIT	4K=256X8/TYP. ACCESS 152NS/8 ADDRESS 1CS LINES	4705
4735BFM	ROM	8-BIT	4K=256X8/TYP. ACCESS 152NS/8 ADDRESS 1CS LINES	4705
4735BFMQB	ROM	8-BIT	4K=256X8/TYP. ACCESS 152NS/8 ADDRESS 1CS LINES/MIL STD 883	4705
4735BPC	ROM	8-BIT	4K=256X8/TYP. ACCESS 152NS/8 ADDRESS 1CS LINES	4705
4735DC	MROM	8-BIT	2K=256X8/TYP. ACCESS 250NS	GEN. PURP.
4736BDC	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 320NS/10 ADDRESS 1CS LINES	4705
4736BDM	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 320NS/10 ADDRESS 1CS LINES	4705
4736BDMQB	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 320NS/10 ADDRESS 1CS LINES/MIL STD 883	4705
4736BFC	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 320NS/10 ADDRESS 1CS LINES	4705
4736BFM	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 320NS/10 ADDRESS 1CS LINES	4705
4736BFMQB	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 320NS/10 ADDRESS 1CS LINES/MIL STD 883	4705
4736BPC	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 320NS/10 ADDRESS 1CS LINES	4705
4736DC	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 500NS/10 ADDRESS 1CS LINES	4705
4801ACC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 450NS/5X 5Y 2CS 1CE ADDRESS LINES	GEN. PURP.
4801BCC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 400NS/5X 5Y 2CS 1CE ADDRESS LINES	GEN. PURP.
4801UCC	SRAM	1-BIT	4K=4096X1/MAX. ACCESS 600NS/5X 5Y 2CS 1CE ADDRESS LINES	GEN. PURP.
4804ACC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 450NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
4804BCC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 400NS/5X 5Y ADDRESS LINES	GEN. PURP.
4804UCC	SRAM	4-BIT	4K=1024X4/MAX. ACCESS 600NS/5X 5Y ADDRESS 1CE LINES	GEN. PURP.
9401DC	CRCGR	.	CRC GENERATOR-CHECKER	9400
9401DM	CRCGR	.	CRC GENERATOR-CHECKER	9400
9401PC	CRCGR	.	CRC GENERATOR-CHECKER	9400

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FAS	DIL-24/4P	CMOS	-40C/+85C	5(3/15)V	15TPuW			4705BDC	4705BPC
FAS	DIL-24/4C	CMOS	-40C/+85C	5(3/15)V	15TPuW			4706BDM	4706BDC
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4706BDM
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4706BDMQB
FAS	SPECIAL/C	CMOS	-40C/+85C	5(3/15)V	15TPuW			4706BFM	4706BFC
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4706BFM
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4706BFMQB
FAS	DIL-24/4P	CMOS	-40C/+85C	5(3/15)V	15TPuW			4706BDC	4706BPC
FAS	DIL-24/4C	CMOS	-40C/+85C	5(3/15)V	15TPuW			4707BDM	4707BDC
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4707BDM
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4707BDMQB
FAS	SPECIAL/C	CMOS	-40C/+85C	5(3/15)V	15TPuW			4707BFM	4707BFC
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4707BFM
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	15TPuW				4707BFMQB
FAS	DIL-24/4P	CMOS	-40C/+85C	5(3/15)V	15TPuW			4707BDC	4707BPC
FAS	DIL-40/2M	CMOS	-40C/+85C	5(3/15)V	15TPuW			4708BDM	4708BDC
FAS	DIL-40/2M	CMOS	-55C/+125C	5(3/15)V	15TPuW				4708BDM
FAS	DIL-40/2M	CMOS	-55C/+125C	5(3/15)V	15TPuW				4708BDMQB
FAS	DIL-40/2P	CMOS	-40C/+85C	5(3/15)V	15TPuW			4708BDC	4708BPC
FAS	DIL-18/1C	CMOS	-40C/+85C	5(3/15)V	10TPuW			4710BDM	4710BDC
FAS	DIL-18/1C	CMOS	-55C/+125C	5(3/15)V	10TPuW				4710BDM
FAS	DIL-18/1C	CMOS	-55C/+125C	5(3/15)V	10TPuW				4710BDMQB
FAS	DIL-18/1P	CMOS	-40C/+85C	5(3/15)V	10TPuW			4710DC	4710BPC
FAS	DIL-16/1C	CMOS	-40C/+85C	5(3/15)V	0.4MXMW			4720BDM	4720BDC
FAS	DIL-16/1C	CMOS	-55C/+125C	5(3/15)V	0.4MXMW				4720BDM
FAS	DIL-16/1C	CMOS	-55C/+125C	5(3/15)V	0.4MXMW				4720BDMQB
FAS	FLP-16/3C	CMOS	-40C/+85C	5(3/15)V	0.4MXMW			4720BFC	4720BFC
FAS	FLP-16/3C	CMOS	-55C/+125C	5(3/15)V	0.4MXMW				4720BFM
FAS	FLP-16/3C	CMOS	-55C/+125C	5(3/15)V	0.4MXMW				4720BFMQB
FAS	DIL-16/1P	CMOS	-40C/+85C	5(3/15)V	0.4MXMW			4720BPC	4720BPC
FAS	DIL-16/1C	CMOS	-40C/+85C	+5V		TTL	TTL	HEF4720BD	4720DC
FAS	DIL-16/1C	CMOS	-40C/+85C	+5V		TTL	TTL	HEF4720BD	4720DM
FAS	DIL-16/1P	CMOS	-40C/+85C	+5V		TTL	TTL	HEF4720BP	4720PC
FAS	DIL-22/4C	CMOS	-40C/+85C	5(3/15)V	0.7MXMW	TTL	TTL	4721BDM	4721BDC
FAS	DIL-22/4C	CMOS	-55C/+125C	5(3/15)V	0.7MXMW	TTL	TTL		4721BDM
FAS	DIL-22/4C	CMOS	-55C/+125C	5(3/15)V	0.7MXMW	TTL	TTL		4721BDMQB
FAS	SPECIAL/C	CMOS	-40C/+85C	5(3/15)V	0.7MXMW	TTL	TTL	4721BFM	4721BFC
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	0.7MXMW	TTL	TTL		4721BFM
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	0.7MXMW	TTL	TTL		4721BFMQB
FAS	DIL-22/4P	CMOS	-40C/+85C	5(3/15)V	0.7MXMW	TTL	TTL	4721BDC	4721BPC
FAS	DIL-22/2C	CMOS	0C/+75C	+5V	27MXMA	TTL	TTL/TS	HEF4721BD	4721DC
FAS	DIL-22/4C	CMOS	-55C/+125C		27MXMA	TTL	TTL/TS	HEF4721BD	4721DM
FAS	DIL-22/2P	CMOS	0C/+75C	+5V	27MXMA	TTL	TTL/TS	HEF4721BP	4721PC
FAS	DIL-16/1C	CMOS	-40C/+85C	5(3/15)V	0.4MXMW	TTL	TTL	4725BDM	4725BDC
FAS	DIL-16/1C	CMOS	-55C/+125C	5(3/15)V	0.4MXMW	TTL	TTL		4725BDM
FAS	DIL-16/1C	CMOS	-55C/+125C	5(3/15)V	0.4MXMW	TTL	TTL		4725BDMQB
FAS	FLP-16/3C	CMOS	-40C/+85C	5(3/15)V	0.4MXMW	TTL	TTL	4725BFM	4725BFC
FAS	FLP-16/3C	CMOS	-55C/+125C	5(3/15)V	0.4MXMW	TTL	TTL		4725BFM
FAS	FLP-16/3C	CMOS	-55C/+125C	5(3/15)V	0.4MXMW	TTL	TTL		4725BFMQB
FAS	DIL-16/1P	CMOS	-40C/+85C	5(3/15)V	0.4MXMW	TTL	TTL	4725BDC	4725BPC
FAS	DIL-24/4C	CMOS	-40C/+85C	5(3/15)V	0.7TPMW	TTL	TTL	4735BDM	4735BDC
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	0.7TPMW	TTL	TTL		4735BDM
FAS	DIL-24/4C	CMOS	-55C/+125C	5(3/15)V	0.7TPMW	TTL	TTL		4735BDMQB
FAS	SPECIAL/C	CMOS	-40C/+85C	5(3/15)V	0.7TPMW	TTL	TTL	4735BFM	4735BFC
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	0.7TPMW	TTL	TTL		4735BFM
FAS	SPECIAL/C	CMOS	-55C/+125C	5(3/15)V	0.7TPMW	TTL	TTL		4735BFMQB
FAS	DIL-24/4P	CMOS	-40C/+85C	5(3/15)V	0.7TPMW	TTL	TTL	4735BDC	4735BPC
FAS	DIL-24/2C	CMOS	0C/+75C	+5V		TTL	TTL		4735DC
FAS	DIL-16/1C	CMOS	-40C/+85C	5(3/15)V	0.7MXMW	TTL	TTL	4736BDM	4736BDC
FAS	DIL-16/1C	CMOS	-55C/+125C	5(3/15)V	0.7MXMW	TTL	TTL		4736BDM
FAS	DIL-16/1C	CMOS	-55C/+125C	5(3/15)V	0.7MXMW	TTL	TTL		4736BDMQB
FAS	FLP-16/3C	CMOS	-40C/+85C	5(3/15)V	0.7MXMW	TTL	TTL	4736BFM	4736BFC
FAS	FLP-16/3C	CMOS	-55C/+125C	5(3/15)V	0.7MXMW	TTL	TTL		4736BFM
FAS	FLP-16/3C	CMOS	-55C/+125C	5(3/15)V	0.7MXMW	TTL	TTL		4736BFMQB
FAS	DIL-16/1P	CMOS	-40C/+85C	5(3/15)V	0.7MXMW	TTL	TTL	4736BDC	4736BPC
FAS	DIL-16/1C	CMOS	0C/+70C	5(3/15)V		TTL	TTL	HEF4736BD	4736DC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		4801ACC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		4801BCC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		4801UCC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		4804ACC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		4804BCC
EMM	DIL-18/1C	NMOS	0C/+70C	+5V	100MXMA	TTL	TTL/TS		4804UCC
FAS	DIL-14/1C	I2LB	0C/+75C	+5V	110MXMA	TTL	TTL		9401DC
FAS	DIL-14/1C	I2LB	-55C/+125C	+5V	110MXMA	TTL	TTL		9401DM
FAS	DIL-14/1P	I2LB	0C/+75C	+5V	110MXMA	TTL	TTL		9401PC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
9403DC	FIFO	4-BIT	SER. PARALL. FIFO MEMORY/16X4 BIT/10MHZ TYP. CLOCK	9400
9403DM	FIFO	4-BIT	SER. PARALL. FIFO MEMORY/16X4 BIT/10MHZ TYP. CLOCK	9400
9403PC	FIFO	4-BIT	SER. PARALL. FIFO MEMORY/16X4 BIT/10MHZ TYP. CLOCK	9400
9404DC	ANLGS	4-BIT	DATA PATH SWITCH	9400
9404DM	ANLGS	4-BIT	DATA PATH SWITCH	9400
9404PC	ANLGS	4-BIT	DATA PATH SWITCH	9400
9405ADC	RALU	4-BIT	ARITHMETIC LOGIC REGISTER STACK	9400
9405ADM	RALU	4-BIT	ARITHMETIC LOGIC REGISTER STACK	9400
9405APC	RALU	4-BIT	ARIHMETIC LOGIC REGISTER STACK	9400
9405DC	RALU	4-BIT	ARITHMETIC LOGIC REGISTER STACK	9400
9405DM	RALU	4-BIT	ARITHMETIC LOGIC REGISTER STACK	9400
9405PC	RALU	4-BIT	ARITHMETIC LOGIC REGISTER STACK	9400
9406DC	LIFO	4-BIT	P-STACK (LIFO)/16X4 BIT/PUSH-DOWN POP-UP PROGRAM STACK	9400
9406DM	LIFO	4-BIT	P-STACK (LIFO)/16X4 BIT/PUSH-DOWN POP-UP PROGRAM STACK	9400
9406PC	LIFO	4-BIT	P-STACK (LIFO)/16X4 BIT/PUSH-DOWN POP-UP PROGRAM STACK	9400
9407DC	IOBFR	4-BIT	DATA ACCESS REGISTER	9400
9407DM	IOBFR	4-BIT	DATA ACCESS REGISTER	9400
9407PC	IOBFR	4-BIT	DATA ACCESS REGISTER	9400
9408ADC	SQNCR	10-BIT	MICROPROGRAM SEQUENCER-CONTROLLER/MAX. FREQ. 10MHZ	9400
9408APC	SQNCR	10-BIT	MICROPROGRAM SEQUENCER-CONTROLLER/MAX. FREQ. 10MHZ	9400
9408DC	SQNCR	10-BIT	MICROPROGRAM SEQUENCER-CONTROLLER/MAX. FREQ. 7MHZ	9400
9408PC	SQNCR	10-BIT	MICROPROGRAM SEQUENCER-CONTROLLER/MAX. FREQ. 7MHZ	9400
9409DC	CPU	4-BIT	CPU FOR 2900 FAM. (APP. B)/=AM2901	2900/9400
9410DC	SRAM	4-BIT	64=16X4/CLOCKED RAM/MAX. ACCESS 38NS/4 ADDRESS 1CS LINES	9400
9410DM	SRAM	4-BIT	64=16X4/CLOCKED RAM/MAX. ACCESS 38NS/4 ADDRESS 1CS LINES	9400
9410PC	SRAM	4-BIT	64=16X4/CLOCKED RAM/MAX. ACCESS 38NS/4 ADDRESS 1CS LINES	9400
9423DC	FIFO	4-BIT	64X4 SERIAL-PARALLEL FIFO BUFFER MEMORY/8MHZ MAX. FREQ.	9400
9423PC	FIFO	4-BIT	64X4 SERIAL-PARALLEL FIFO BUFFER MEMORY/8MHZ MAX. FREQ.	9400
9440DC	CPU	16-BIT	MINICOMPUTER CPU/12MHZ INTERNAL OSC./9440 FAM. (APP. B)	9440
10414FC	SRAM	1-BIT	256=256X1/TYP. ACCESS 7NS/8 ADDRESS 3CS LINES	GEN. PURP.
10432	RAM	4-BIT	1K=1024X4 RANDOM ACCESS MEMORY	PPS4-4/2
10453	COMMS	8-BIT	COMMUNICATIONS INTERFACE/PARALLEL DATA CONTROLLER	PPS-8
10696	IOCTR		GEN. PURP. INPUT-OUTPUT	PPS4-8
10706	CLOCK		CLOCK GENERATOR	PPS4/PPS8
10736/15380	PRTRC	4/8BIT	VICTOR PRINTER CONTROLLER/CHIP PAIR	PPS4-8
10738	IFACE	4/8BIT	BUS INTERFACE CONTROLLER	PPS4-8
10788	KBDSC		GEN. PURPOSE KEYBOARD-DISPLAY CONTROLLER	PPS4-8
10789	PRTRC	4/8BIT	PRINTER CONTROLLER	PPS4-8
10809	RAM	8-BIT	2K=256X8 RAM	PPS-8
10814	DSPLC	4/8BIT	DISPLAY CONTROLLER FOR 16-DIGIT 7/8 SEGMENT DISPLAY	PPS4-8
10815	KBPRC		KEYBOARD PRINTER CONTROLLER	PPS4-8
10817	DMAC		DIRECT MEMORY ACCESS CONTROLLER/8 PRIORITIZED DMA CHANNELS	PPS-8
10929	MEMCT		INTERFACE FOR STANDARD NMOS 16-PIN 4K RAM SUCH AS 1604-8P	PPS-8
10930	COMMS	4/8BIT	COMMUNICATIONS INTERFACE/SERIAL DATA CONTROLLER	PPS4-8
10932	RAM	4-BIT	2K=512X4 RAM	PPS4-4/2
10936	FLPDC	8-BIT	FLOPPY DISK CONTROLLER/UP TO 4 DRIVES/SINGLE OR DOUBLE DENSITY	PPS-8
11049		8-BIT	INTERVAL TIMER-CONTROLLER/4 12-BIT COUNTERS	PPS-8
11660(PPS-4/2)	CPU	4-BIT	SEE PPS4/2CPU-11660	
11696	IOCTR		PARALLEL INPUT-OUTPUT CONTROLLER/24 BIDIR. TTL-COMPAT. I-O LINES	PPS4-8
11806(PPS-8CPU)	CPU	8-BIT	SEE PPS-8CPU(11806)	
12660(PPS-4CPU)	CPU	4-BIT	SEE PPS-4CPU(12660)	
12806-PPS8/2CPU	CPU	8-BIT	SEE PPS8/2CPU-12806	
15380	CHRGN		CHARACTER GENERATOR(SEE 10736/15380)	PPS-8
21021DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
21021DL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
21021DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
21021FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
21021PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 450NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
21022DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
21022DL	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
21022DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
21022FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
21022PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 650NS/5X 5Y 1CS ADDRESS LINES STANDARD	GEN. PURP.
29700FM	SRAM	4-BIT	64=16X4/TYP. ACCESS 30NS/4X 1CS ADDRESS LINES/NON-INV.	2900
29700JC	SRAM	4-BIT	64=16X4/TYP. ACCESS 25NS/4X 1CS ADDRESS LINES/NON-INV.	2900
29700JM	SRAM	4-BIT	64=16X4/TYP. ACCESS 30NS/4X 1CS ADDRESS LINES/NON-INV.	2900
29700NC	SRAM	4-BIT	64=16X4/TYP. ACCESS 25NS/4X 1CS ADDRESS LINES/NON-INV.	2900
29701FM	SRAM	4-BIT	64=16X4/TYP. ACCESS 25NS/4X 1CS ADDRESS LINES/NON-INV.	2900
29701JC	SRAM	4-BIT	64=16X4/TYP. ACCESS 25NS/4X 1CS ADDRESS LINES/NON-INV.	2900
29701JM	SRAM	4-BIT	64=16X4/TYP. ACCESS 30NS/4X 1CS ADDRESS LINES/NON-INV.	2900
29701NC	SRAM	4-BIT	64=16X4/TYP. ACCESS 25NS/4X 1CS ADDRESS LINES/NON-INV.	2900
29702FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 30NS/4X 1CS ADDRESS LINES/INV.	2900
29702JC	SRAM	4-BIT	64=16X4/MAX. ACCESS 25NS/4X 1CS ADDRESS LINES/INV.	2900
29702JM	SRAM	4-BIT	64=16X4/MAX. ACCESS 30NS/4X 1CS ADDRESS LINES/INV.	2900
29702NC	SRAM	4-BIT	64=16X4/MAX. ACCESS 25NS/4X 1CS ADDRESS LINES/INV.	2900

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FAS	DIL-24/4C	I2LB	0C/+75C	+5V	170MXMA	TTL	TTL/TS	9403DM	9403DC
FAS	DIL-24/2C	TTLB	-55C/+125C	+5V	600TPMW	TTL	TTL/TS		9403DM
FAS	DIL-24/4P	I2LB	0C/+75C	+5V	170MXMA	TTL	TTL/TS	9403PC	9403PC
FAS	DIL-24/4P	TTLB	0C/+75C	+5V	90MXMA	TTL	TTL		9404DC
FAS	DIL-24/4C	TTLB	-55C/+125C	+5V	90MXMA	TTL	TTL		9404DM
FAS	DIL-24/4P	TTLB	0C/+75C	+5V	90MXMA	TTL	TTL		9404PC
FAS	DIL-24/4C	I2LB	0C/+75C	+5V	160MXMA	TTL	TTL/TS		9405ADC
FAS	DIL-24/4C	I2LB	-55C/+125C	+5V	160MXMA	TTL	TTL/TS		9405ADM
FAS	DIL-24/4P	I2LB	0C/+75C	+5V	160MXMA	TTL	TTL/TS		9405APC
FAS	DIL-24/4C	I2LB	0C/+75C	+5V	160MXMA	TTL	TTL/TS		9405DC
FAS	DIL-24/4C	I2LB	-55C/+125C	+5V	160MXMA	TTL	TTL/TS		9405DM
FAS	DIL-24/4C	I2LB	0C/+75C	+5V	160MXMA	TTL	TTL/TS		9405PC
FAS	DIL-24/4C	I2LB	0C/+75C	+5V	160MXMA	TTL	TTL/TS	9406DM	9406DC
FAS	DIL-24/4C	TTLB	-55C/+125C	+5V	500TPMW	TTL	TTL/TS		9406DM
FAS	DIL-24/4P	I2LB	0C/+75C	+5V	160MXMA	TTL	TTL/TS	9406DC	9406PC
FAS	DIL-24/4C	I2LB	0C/+75C	+5V	145MXMA	TTL	TTL/TS	9407PC	9407DC
FAS	DIL-24/4C	I2LB	-55C/+125C	+5V	145MXMA	TTL	TTL/TS		9407DM
FAS	DIL-24/4P	I2LB	0C/+75C	+5V	145MXMA	TTL	TTL/TS	9407DC	9407PC
FAS	DIL-24/4C	I2L	0C/+70C	+5V	650TPMW	TTL	TTL	9408APC	9408ADC
FAS	DIL-24/4P	I2L	0C/+70C	+5V	650TPMW	TTL	TTL	9408ADC	9408APC
FAS	DIL-40/2C	TTLB	0C/+75C	+5V	130TPMA	TTL	TTL	9408ADC	9408DC
FAS	DIL-24/2P	TTLB	0C/+70C	+5V	130TPMA	TTL	TTL	9408APC	9408PC
FAS	DIL-40/2C	I2LB	0C/+75C	+5V	280MXMA	TTL	TTL/TS		9409DC
FAS	DIL-18/1C	I2LB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	9410PC	9410DC
FAS	DIL-18/1C	I2LB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		9410DM
FAS	DIL-18/1P	I2LB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	9410DC	9410PC
FAS	DIL-24/4C	I2L	0C/+70C	+5V	600TPMW	TTL	TTL	9423PC	9423DC
FAS	DIL-24/4P	TTLB	0C/+70C	+5V	600TPMW	TTL	TTL	9423BC	9423PC
FAS	DIL-40/2C	I3L	0C/+70C	+5V	1MXW	TTL	TTL		9440DC
FAS	FLP-16/3C	ECL	0C/+70C	-5.2V		ECL	ECL		10414FC
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10432
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10453
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10696
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10706
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10736/15380
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10738
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10788
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10789
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10809
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10814
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10815
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10817
ROK	QIL-42/1	PMOS	0C/+70C						10929
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10930
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10932
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		10936
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		11049
ROK									11660(PPS-4/2)
ROK	QIL-42/1		0C/+70C						11696
ROK									11806(PPS-8CPU)
ROK									12660(PPS-4CPU)
ROK									12806-PPS8/2CPU
ROK	QIL-42/1	PMOS	0C/+70C	-15V		PMOS	PMOS		15380
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A-4	21021DC
FAS	DIL-16/1C	NMOS	-55C/+85C	+5V	70MXMA	TTL	TTL/TS	D2102A-4	21021DL
FAS	DIL-16/1C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS	M2102-4I	21021DM
FAS	FLP-16/3C	NMOS	-55C/+125C	+5V	70MXMA	TTL	TTL/TS		21021FM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2102A-4	21021PC
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	D2102A-6	21022DC
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A-6	21022DL
FAS	DIL-16/1C	NMOS	0C/+70C	+5V	70MXMA	TTL	TTL/TS	D2102A-6	21022DM
FAS	FLP-16/3C	NMOS	-55C/+175C	+5V	70MXMA	TTL	TTL/TS		21022FM
FAS	DIL-16/1P	NMOS	0C/+70C	+5V	55MXMA	TTL	TTL/TS	P2102A-6	21022PC
MMI	FLP-16/3C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	AM29700FM	29700FM
MMI	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	AM29700DC	29700JC
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	AM29700DM	29700JM
MMI	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	AM29700PC	29700NC
MMI	FLP-16/3C	STLB	-55C/+125C	+5V	100TPMA	TTL	TTL/TS	AM29701FM	29701FM
MMI	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/TS	AM29701DC	29701JC
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS	AM29701DM	29701JM
MMI	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/TS	AM29701PC	29701NC
MMI	FLP-16/3C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	AM29702FM	29702FM
MMI	DIL-16/1C	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	AM29702JC	29702JC
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/OC	AM29702JM	29702JM
MMI	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/OC	AM29702PC	29702NC

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
29703FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 30NS/4X 1CS ADDRESS LINES/INV.	2900
29703JC	SRAM	4-BIT	64=16X4/MAX. ACCESS 25NS/4X 1CS ADDRESS LINES/INV.	2900
29703JM	SRAM	4-BIT	64=16X4/MAX. ACCESS 30NS/4X 1CS ADDRESS LINES/INV.	2900
29703NC	SRAM	4-BIT	64=16X4/MAX. ACCESS 25NS/4X 1CS ADDRESS LINES/INV.	2900
32581DC	CHRGN	7X5BIT	64X7X5 CHAR. GENERATOR MROM/MAX. ACCESS 550NS	GEN. PURP.
32581PC	CHRGN	7X5BIT	64X7X5 CHAR. GENERATOR MRUM/MAX. ACCESS 550NS	GEN. PURP.
32582DC	CHRGN	7X5BIT	64X7X5 CHAR. GENERATOR MROM/MAX. ACCESS 625NS	GEN. PURP.
32582PC	CHRGN	7X5BIT	64X7X5 CHAR. GENERATOR MROM/MAX. ACCESS 625NS	GEN. PURP.
33511DC	FIFO	9-BIT	360=40X9/FIRST IN FIRST OUT MEMORY/O-2MHZ	GEN. PURP.
33512DC	FIFO	9-BIT	360=40X9/FIRST IN FIRST OUT MEMORY/O-1MHZ	GEN. PURP.
33512DL	FIFO	9-BIT	360=40X9/FIRST IN FIRST OUT MEMORY/O-1MHZ	GEN. PURP.
33512DM	FIFO	9-BIT	360=40X9/FIRST IN FIRST OUT MEMORY/O-1MHZ	GEN. PURP.
35141DC	MROM	8-BIT	4K=512X8/MAX. ACCESS 850NS/9 ADDRESS 4CS LINES	GEN. PURP.
35142DC	MROM	8-BIT	4K=512X8/MAX. ACCESS 1uS /9 ADDRESS 4CS LINES	GEN. PURP.
35391DC	SRAM	8-BIT	2K=256X8/MAX. ACCESS 400NS/8 ADDRESS 2CS LINES	GEN. PURP.
35392DC	SRAM	8-BIT	2K=256X8/MAX. ACCESS 500NS/8 ADDRESS 2CS LINES	GEN. PURP.
38431DC	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/3.2uS CLOCK	GEN. PURP.
38431DL	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/6.3uS CLOCK	GEN. PURP.
38431DM	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/6.3uS CLOCK	GEN. PURP.
38431PC	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/3.2uS CLOCK	GEN. PURP.
38432DC	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/6.3uS CLOCK	GEN. PURP.
38432DL	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/12.5uS CLOCK	GEN. PURP.
38432DM	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER 12.5uS CLOCK	GEN. PURP.
38432PC	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/6.3uS CLOCK	GEN. PURP.
38433DC	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/12.5uS CLOCK	GEN. PURP.
38433DL	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/25uS CLOCK	GEN. PURP.
38433DM	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER 25uS CLOCK	GEN. PURP.
38433PC	USART	5-8BIT	UNIV. SYNCH. OR ASYNCH. RECEIVER AND TRANSMITTER/12.5uS CLOCK	GEN. PURP.
40962DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 200NS/6 ADDRESS MULTIPLEXED 1CS 2 STROBES	F8
40963DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 250NS/6 ADDRESS MULTIPLEXED 1CS 2 STROBES	F8
40964DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 300NS/6 ADDRESS MULTIPLEXED 1CS 2 STROBES	F8
40965DC	DRAM	1-BIT	4K=4096X1/MAX. ACCESS 350NS/6 ADDRESS MULTIPLEXED 1CS 2 STROBES	F8
93403DC	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/	GEN. PURP.
93403DM	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS/	GEN. PURP.
93403FM	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS	GEN. PURP.
93403PC	SRAM	4-BIT	64=16X4/MAX. ACCESS 60NS	GEN. PURP.
93410ADC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93410APC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93410DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93410DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 70NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93410FM	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93410PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93411ADC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93411APC	SRAM	1-BIT	256=256X1/MAX. ACCESS 45NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93411DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93411DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 66NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93411DMGB	SRAM	1-BIT	256=256X1/MAX. ACCESS 65NS/4X 4Y 3CS ADDRESS LINES/MIL STD 883	GEN. PURP.
93411FM	SRAM	1-BIT	256=256X1/MAX. ACCESS 65NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93411PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 55NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93412DC	SRAM	4-BIT	1K=256X4/TYP. ACCESS 30NS/5X 3Y ADDRESS 2CS LINES	GEN. PURP.
93412DM	SRAM	4-BIT	1K=256X4/TYP. ACCESS 30NS/5X 3Y ADDRESS 2CS LINES	GEN. PURP.
93412FM	SRAM	4-BIT	1K=256X4/TYP. ACCESS 30NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93412PC	SRAM	4-BIT	1K=256X4/TYP. ACCESS 30NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93415ADC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 30NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93415ADM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93415ADMQB	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
93415APC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 30NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93415DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93415DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93415FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93415PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93417DC	PROM	4-BIT	1K=256X4/MAX. ACCESS 45NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93417DM	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93417DMQB	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES/MIL STD 883	GEN. PURP.
93417FM	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93417PC	PROM	4-BIT	1K=256X4/MAX. ACCESS 45NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93419DC	SRAM	9-BIT	576=64X9/MAX. ACCESS 45NS/5X 1Y 1CS ADDRESS LINES/INVERTED O-P	GEN. PURP.
93419DM	SRAM	9-BIT	576=64X9/MAX. ACCESS 60NS/5X 1Y 1CS ADDRESS LINES/INVERTED O-P	GEN. PURP.
93419DMQB	SRAM	9-BIT	576=64X9/MAX. ACCESS 60NS/5X 1Y 1CS ADDRESS LINES/MIL. STD 883	GEN. PURP.
93421ADC	SRAM	1-BIT	256X1/MAX. ACCESS 40NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93421APC	SRAM	1-BIT	256=256X1/MAX. ACCESS 40NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93421DC	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93421DM	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93421DMQB	SRAM	1-BIT	256=256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES/MIL STD 883	GEN. PURP.
93421FM	SRAM	1-BIT	256X1/MAX. ACCESS 60NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
MMI	FLP-16/3C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS	AM29703FM	29703FM
MMI	DIL-16/1C	STLB	0C/+70C	+5V	105MXMA	TTL	TTL/TS	AM29703DC	29703JC
MMI	DIL-16/1C	STLB	-55C/+125C	+5V	105MXMA	TTL	TTL/TS	AM29703DM	29703JM
MMI	DIL-16/1P	STLB	0C/+75C	+5V	105MXMA	TTL	TTL/TS	AM29703NC	29703NC
FAS	DIL-16/1C	PMOS	0C/+70C	-12V/+5V		TTL	TTL		32581DC
FAS	DIL-16/1P	PMOS	0C/+70C	+5V		TTL	TTL		32581PC
FAS	DIL-16/1C	PMOS	0C/+70C	-12V/+5V		TTL	TTL		32582DC
FAS	DIL-16/1P	PMOS	0C/+70C	-12V/+5V		TTL	TTL		32582PC
FAS	DIL- C	PMOS	0C/+70C	-12V/+5V	420MXMW	TTL	TTL		33511DC
FAS	DIL-28/2C	PMOS	0C/+70C	-12V/+5V	520MXMW	TTL	TTL	33511DC	33512DC
FAS	DIL-28/2C	PMOS	-55C/+85C	-12V/+5V	520MXMW	TTL	TTL		33512DL
FAS	DIL-28/2C	PMOS	-55C/+125C	-12V/+5V	520MXMW	TTL	TTL		33512DM
FAS	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	580MXMW	TTL	TTL/TS	AM35141DC	35141DC
FAS	DIL-24/2C	PMOS	0C/+70C	-12V/+5V	580MXMW	TTL	TTL/TS	AM35142DC	35142DC
FAS	DIL-22/2C	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL	MK3539	35391DC
FAS	DIL-22/2C	NMOS	0C/+70C	+5V	500MXMW	TTL	TTL	MK3539	35392DC
FAS	DIL-28/2C	NMOS	0C/+70C	+5V/+12V	500MXMA	TTL	TTL/TS		38431DC
FAS	DIL-28/2C	NMOS	-55C/+85C	+5V/+12V	500MXMA	TTL	TTL/TS		38431DL
FAS	DIL-28/2C	NMOS	-55C/+125C	+5V/+12V	500MXMW	TTL	TTL/TS		38431DM
FAS	DIL-28/2P	NMOS	0C/+70C	+5V/+12V	500MXMA	TTL	TTL/TS		38431PC
FAS	DIL-28/2C	NMOS	0C/+70C	+5V/+12V	500MXMA	TTL	TTL/TS		38432DC
FAS	DIL-28/2C	NMOS	-55C/+85C	+5V/+12V	500MXMA	TTL	TTL/TS		38432DL
FAS	DIL-28/2C	NMOS	-55C/+125C	+5V/+12V	500MXMA	TTL	TTL/TS		38432DM
FAS	DIL-28/2P	NMOS	0C/+70C	+5V/+12V	500MXMA	TTL	TTL/TS		38432PC
FAS	DIL-28/2C	NMOS	0C/+70C	+5V/+12V	500MXMA	TTL	TTL/TS		38433DC
FAS	DIL-28/2C	NMOS	-55C/+85C	+5V/+12V	500MXMA	TTL	TTL/TS		38433DL
FAS	DIL-28/2C	NMOS	-55C/+125C	+5V/+12V	50MXMA	TTL	TTL/TS		38433DM
FAS	DIL-28/2P	NMOS	0C/+70C	+5V/+12V	500MXMA	TTL	TTL/TS		38433PC
FAS	DIL-16/1M	NMOS	0C/+70C	-5V/+5V/+12V	25MXMA	TTL	TTL/TS	MK4096P-6	40962DC
FAS	DIL-16/1M	NMOS	0C/+70C	-5V/+5V/+12V	35MXMA	TTL	TTL/TS	MK4096P-6	40963DC
FAS	DIL-16/1M	NMOS	0C/+70C	-5V/+5V/+12V	30MXMA	TTL	TTL/TS	MK4096P-16	40964DC
FAS	DIL-16/1M	NMOS	0C/+70C	-5V/+5V/+12V	27MXMA	TTL	TTL/TS	MK4096P-16	40965DC
ADM	DIL-16/1C	TTLB	0C/+70C	+5V		TTL	TTL/OC		93403DC
ADM	DIL-16/1C	TTLB	-55C/+125C	+5V		TTL	TTL/OC		93403DM
ADM	FLP-16/3G	TTLB	-55C/+125C	+5V		TTL	TTL/TS		93403FM
ADM	DIL-16/1P	TTLB	0C/+70C	+5V		TTL	TTL/OC		93403PC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	140MXMA	TTL	TTL/OC		93410ADC
FAS	DIL-16/1P	TTLB	-55C/+125C	+5V	145MXMA	TTL	TTL/OC		93410APC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	135MXMA	TTL	TTL/OC		93410DC
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	145MXMA	TTL	TTL/OC		93410DM
FAS	FLP-16/3C	TTLB	-55C/+125C	+5V	145MXMA	TTL	TTL/OC		93410FM
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	135MXMA	TTL	TTL/OS		93410PC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	135MXMA	TTL	TTL/OC	N82S17F	93411ADC
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	135MXMA	TTL	TTL/OC	N82S17B	93411APC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	124MXMA	TTL	TTL/OC	N28S17F	93411DC
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	143MXMA	TTL	TTL/OC	S82S17F	93411DM
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	143MXMA	TTL	TTL/OC		93411DMQB
FAS	FLP-16/3C	TTLB	-55C/+125C	+5V	143MXMA	TTL	TTL/OC		93411FM
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	124MXMA	TTL	TTL/OC	N82S17B	93411PC
FAS	DIL-22/4C	TTLB	0C/+70C	+5V	475TPMW	TTL	TTL/OC	93L412DC	93412DC
FAS	DIL-22/4C	TTLB	-55C/+125C	+5V	475TPMW	TTL	TTL/OC	93L412DM	93412DM
FAS	DIL-22/4C	TTLB	-55C/+125C	+5V	475TPMW	TTL	TTL/OC	93L412FM	93412FM
FAS	DIL-22/4P	TTLB	0C/+70C	+5V	475TPMW	TTL	TTL/OC	93L412DC	93412PC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	MMI93415A	93415ADC
FAS	DIL-16/1M	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		93415ADM
FAS	DIL-16/1M	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC		93415ADMQB
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	MMI93415A	93415APC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S10F	93415DC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S10F	93415DM
FAS	FLP-16/3C	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/OC	93L415FM	93415FM
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	170MXMA	TTL	TTL/OC	N82S10N	93415PC
FAS	DIL-16/1C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/OC	63S140J	93417DC
FAS	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC	53S140J	93417DM
FAS	DIL-16/1M	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC		93417DMQB
FAS	FLP-16/3C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC	53S140F	93417FM
FAS	DIL-16/1P	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/OC	63S140N	93417PC
FAS	DIL-28/2C	TTLB	0C/+75C	+5V	200MXMA	TTL	TTL/OC		93419DC
FAS	DIL-28/2C	TTLB	-55C/+125C	+5V	210MXMA	TTL	TTL/OC		93419DM
FAS	DIL-28/2C	TTLB	-55C/+125C	+5V	210MXMA	TTL	TTL/OC		93419DMQB
RAY	DIL-16/1C	TTLB	0C/+75C	+5V	135MXMA	TTL	TTL/TS	N82S116F	93421ADC
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	135MXMA	TTL	TTL/TS	N82S116N	93421APC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	135MXMA	TTL	TTL/TS	N82S116F	93421DC
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	143MXMA	TTL	TTL/TS	S82S116F	93421DM
FAS	DIL-16/1M	TTLB	-55C/+125C	+5V	143MXMA	TTL	TTL/TS		93421DMQB
RAY	FLP-16/3G	TTLB	-55C/+125C	+5V	143MXMW	TTL	TTL/TS		93421FM

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
93421PC	SRAM	1-BIT	256=256X1/MAX. ACCESS 50NS/4X 4Y 3CS ADDRESS LINES	GEN. PURP.
93422DC	SRAM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93422DM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 75NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93422FM	SRAM	4-BIT	1K=256X4/MAX. ACCESS 75NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93422PC	SRAM	4-BIT	1K=256X1/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93425ADC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 30NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93425APC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 30NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93425DC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93425DM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93425DMQB	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES/MIL STD 883	GEN. PURP.
93425FM	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 60NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93425PC	SRAM	1-BIT	1K=1024X1/MAX. ACCESS 45NS/5X 5Y 1CS ADDRESS LINES	GEN. PURP.
93427DC	PROM	4-BIT	1K=256X4/MAX. ACCESS 45NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93427DM	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93427DMQB	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES/ MIL STD 883	GEN. PURP.
93427FM	PROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93427PC	PROM	4-BIT	1K=256X4/MAX. ACCESS 45NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93431DC	MROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
93431DM	MROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
93431FM	MROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
93431PC	MROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
93432DC	MROM	8-BIT	4K=512X8/MAX. ACCESS 55NS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
93432DM	MROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
93432FM	MROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
93432PC	MROM	8-BIT	4K=512X8/MAX. ACCESS 55NS/6X 3Y 4CS ADDRESS LINES	GEN. PURP.
93436DC	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/6X 3Y 1CS ADDRESS LINES	F8
93436DM	PROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/6X 3Y 1CS ADDRESS LINES	F8
93436DMQB	PROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/6X 3Y 1CS ADDRESS LINES/ MIL STD 883	F8
93436FM	PROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/6X 3Y 1CS ADDRESS LINES	F8
93436PC	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/6X 3Y 1CS ADDRESS LINES	F8
93438DC	PROM	8-BIT	4K=512X8/MAX. ACCESS 55NS/6X 3Y 4CS ADDRESS LINES	F8
93438DM	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/6X 3Y 4CS ADDRESS LINES	F8
93438DMQB	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/6X 3Y 4CS ADDRESS LINES/ MIL STD 883	F8
93438FM	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/6X 3Y 4CS ADDRESS LINES	F8
93438PC	PROM	8-BIT	4K=512X8/MAX. ACCESS 55NS/6X 3Y 4CS ADDRESS LINES	F8
93441DC	MROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/6X 3Y 1CS ADDRESS LINES	GEN. PURP.
93441DM	MROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/6X 3Y 1CS ADDRESS LINES	F8
93441FM	MROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/6X 3Y 1CS ADDRESS LINES	F8
93441PC	MROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/6X 3Y 1CS ADDRESS LINES	F8
93442DC	MROM	8-BIT	4K=512X8/MAX. ACCESS 55NS/6X 3Y 4CS ADDRESS LINES	F8
93442DM	MROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/6X 3Y 4CS ADDRESS LINES	F8
93442FM	MROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/6X 3Y 4CS ADDRESS LINES	F8
93442PC	MROM	8-BIT	4K=512X8/MAX. ACCESS 55NS/6X 3Y 4CS ADDRESS LINES	F8
93446DC	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/6X 3Y 1CS ADDRESS LINES	F8
93446DM	PROM	4-BIT	2K=512X4/MAX. ACCESS 60NS/6X 3Y 1CS ADDRESS LINES	F8
93446FM	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/6X 3Y 1CS ADDRESS LINES	F8
93446PC	PROM	4-BIT	2K=512X4/MAX. ACCESS 50NS/6X 3Y 1CS ADDRESS LINES	F8
93448DC	PROM	8-BIT	4K=512X8/MAX. ACCESS 55NS/6X 3Y 4CS ADDRESS LINES	F8
93448DM	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/6X 3Y 4CS ADDRESS LINES	F8
93448FM	PROM	8-BIT	4K=512X8/MAX. ACCESS 70NS/6X 3Y 4CS ADDRESS LINES	F8
93448PC	PROM	8-BIT	4K=512X8/MAX. ACCESS 55NS/6X 3Y 4CS ADDRESS LINES	F8
93452DC	PROM	4-BIT	4K=1024X4/TYP. ACCESS 35NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
93452DM	PROM	4-BIT	4K=1024X4/TYP. ACCESS 35NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
93452FM	PROM	4-BIT	4K=1024X4/TYP. ACCESS 35NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
93453DC	PROM	4-BIT	4K=1024X4/TYP. ACCESS 35NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
93453DM	PROM	4-BIT	4K=1024X4/TYP. ACCESS 35NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
93453FM	PROM	4-BIT	4K=1024X4/TYP. ACCESS 35NS/6X 4Y 2CS ADDRESS LINES	GEN. PURP.
93454DC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 45NS/7X 3Y 4CS ADDRESS LINES	GEN. PURP.
93454DM	MROM	8-BIT	8K=1024X8/MAX. ACCESS 60NS/7X 3Y 4CS ADDRESS LINES	GEN. PURP.
93454FM	MROM	8-BIT	8K=1024X8/MAX. ACCESS 60NS/7X 3Y 4CS ADDRESS LINES	GEN. PURP.
93454PC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 45NS/7X 3Y 4CS ADDRESS LINES	GEN. PURP.
93457DC	MROM	4-BIT	1K=256X4/MAX. ACCESS 45NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93457DM	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93457FM	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93457PC	MROM	4-BIT	1K=256X4/MAX. ACCESS 45NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93464DC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 45NS/7X 3Y 4CS ADDRESS LINES	GEN. PURP.
93464DM	MROM	8-BIT	8K=1024X8/MAX. ACCESS 60NS/7X 3Y 4CS ADDRESS LINES	GEN. PURP.
93464FM	MROM	8-BIT	8K=1024X8/MAX. ACCESS 60NS/7X 3Y 4CS ADDRESS LINES	GEN. PURP.
93464PC	MROM	8-BIT	8K=1024X8/MAX. ACCESS 45NS/7X 3Y 4CS ADDRESS LINES	GEN. PURP.
93467DC	MROM	4-BIT	1K=256X4/MAX. ACCESS 45NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93467DM	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93467FM	MROM	4-BIT	1K=256X4/MAX. ACCESS 60NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93467PC	MROM	4-BIT	1K=256X4/MAX. ACCESS 45NS/5X 3Y 2CS ADDRESS LINES	GEN. PURP.
93470DC	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 55NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
93470DM	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 30NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	124MXMA	TTL	TTL/TS	N82S116N	93421PC
FAS	DIL-22/4C	TTLB	0C/+70C	+5V	475TPMW	TTL	TTL/TS	93L422DC	93422DC
FAS	DIL-22/4C	TTLB	-55C/+125C	+5V	475TPMW	TTL	TTL/TS	93L422DM	93422DM
FAS	FLP-22/4C	TTLB	-55C/+125C	+5V	475TPMW	TTL	TTL/TS	93L422FM	93422FM
FAS	DIL-22/4P	TTLB	0C/+70C	+5V	475TPMW	TTL	TTL/TS	93L422DC	93422PC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	155MXMA	TTL	TTL/TS	N82S111F	93425ADC
FAS	DIL-16/1P	TTLB	0C/+75C	+5V	155MXMA	TTL	TTL/TS	N82S111N	93425APC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	155MXMA	TTL	TTL/TS	N82S111F	93425DC
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS	S82S111F	93425DM
FAS	DIL-16/1G	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		93425DMQB
FAS	FLP-16/3C	TTLB	-55C/+125C	+5V	170MXMA	TTL	TTL/TS		93425FM
FAS	DIL-16/1P	TTLB	0C/+70C	+5V	155MXMA	TTL	TTL/TS	N82S111N	93425PC
FAS	DIL-16/1C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	63S141J	93427DC
FAS	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS	53S141J	93427DM
FAS	FLP-16/3G	TTLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		93427DMQB
FAS	FLP-16/3C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS	53S141F	93427FM
FAS	DIL-16/1P	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	63S141N	93427PC
FAS	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC	N82S130F	93431DC
FAS	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC	S82S130F	93431DM
FAS	FLP-16/3C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		93431FM
FAS	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/OC	N82S130N	93431PC
FAS	DIL-24/2C	STLB	0C/+75C	+5V	175MXMA	TTL	TTL/OC		93432DC
FAS	DIL-24/2C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		93432DM
FAS	FLP-24/4C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		93432FM
FAS	DIL-24/2C	STLB	0C/+75C	+5V	175MXMA	TTL	TTL/OC		93432PC
FAS	DIL-16/1C	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	N82S130F	93436DC
FAS	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC	S82S130F	93436DM
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		93436DMQB
FAS	FLP-16/3C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/OC		93436FM
FAS	DIL-16/1P	STLB	0C/+70C	+5V	130MXMA	TTL	TTL/OC	N82S130N	93436PC
FAS	DIL-24/2C	STLB	0C/+75C	+5V	175MXMA	TTL	TTL/OC	N82S140F	93438DC
FAS	DIL-24/2C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC	S82S140F	93438DM
FAS	DIL-24/2M	TTLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		93438DMQB
FAS	FLP-24/4C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/OC		93438FM
FAS	DIL-24/2P	STLB	0C/+75C	+5V	175MXMA	TTL	TTL/OC	N82S140N	93438PC
FAS	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	N82S131F	93441DC
FAS	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	S82S131F	93441DM
FAS	FLP-16/3C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		93441FM
FAS	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	N82S131N	93441PC
FAS	DIL-24/2C	STLB	0C/+70C	+5V	120MXMA	TTL	TTL/TS	N82S241F	93442DC
FAS	DIL-24/2C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS	S82S241F	93442DM
FAS	FLP-24/4C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS		93442FM
FAS	DIL-24/2P	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/TS	N82S241N	93442PC
FAS	DIL-16/1C	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	N82S131F	93446DC
FAS	DIL-16/1C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS	S82S131F	93446DM
FAS	FLP-16/3C	STLB	-55C/+125C	+5V	130MXMA	TTL	TTL/TS		93446FM
FAS	DIL-16/1P	STLB	0C/+75C	+5V	130MXMA	TTL	TTL/TS	N82S131N	93446PC
FAS	DIL-24/2C	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/TS	N82S141F	93448DC
FAS	DIL-24/2C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS	S82S141F	93448DM
FAS	FLP-24/4C	STLB	-55C/+125C	+5V	175MXMA	TTL	TTL/TS		93448FM
FAS	DIL-24/2P	STLB	0C/+70C	+5V	175MXMA	TTL	TTL/TS	N82S141N	93448PC
FAS	DIL-18/1C	STLB	0C/+75C	+5V	130TPMA	TTL	TTL/OC	N82S136F	93452DC
FAS	DIL-18/1C	STLB	-55C/+125C	+5V	130TPMA	TTL	TTL/OC	S82S136F	93452DM
FAS	FLP-18/3C	STLB	-55C/+125C	+5V	130TPMA	TTL	TTL/OC		93452FM
FAS	DIL-18/1C	STLB	0C/+75C	+5V	130TPMA	TTL	TTL/TS	N82S137F	93453DC
FAS	DIL-18/1C	STLB	-55C/+125C	+5V	130TPMA	TTL	TTL/TS	S82S137F	93453DM
FAS	FLP-18/3C	STLB	-55C/+125C	+5V	130TPMA	TTL	TTL/TS		93453FM
FAS	DIL-24/2C	STLB	0C/+75C	+5V	150MXMA	TTL	TTL/OC	N82S280F	93454DC
FAS	DIL-24/2C	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/OC	S82S280F	93454DM
FAS	FLP-24/4C	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/OC		93454FM
FAS	DIL-24/2P	STLB	0C/+75C	+5V	150MXMA	TTL	TTL/OC	N82S280N	93454PC
FAS	DIL-16/1C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/OC	N82S126F	93457DC
FAS	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC	S82S126F	93457DM
FAS	FLP-16/3C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/OC		93457FM
FAS	DIL-16/1P	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/OC	N82S126N	93457PC
FAS	DIL-24/2C	STLB	0C/+75C	+5V	150MXMA	TTL	TTL/TS	N82S281F	93464DC
FAS	DIL-24/2C	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/TS	S82S281F	93464DM
FAS	FLP-24/4C	STLB	-55C/+125C	+5V	150MXMA	TTL	TTL/TS		93464FM
FAS	DIL-24/2P	STLB	0C/+75C	+5V	150MXMA	TTL	TTL/TS	N82S281N	93464PC
FAS	DIL-16/1C	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	N82S129F	93467DC
FAS	DIL-16/1C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS	S82S129F	93467DM
FAS	FLP-16/3C	STLB	-55C/+125C	+5V	110MXMA	TTL	TTL/TS		93467FM
FAS	DIL-16/1P	STLB	0C/+75C	+5V	110MXMA	TTL	TTL/TS	N82S129N	93467PC
FAS	DIL-18/1C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC		93470DC
FAS	DIL-18/1C	TTLB	-55C/+125C	+5V	475TPMW	TTL	TTL/OC		93470DM

DEVICE TYPE NO	FUNC TION app A	DATA WORD LENGTH	DEVICE DESCRIPTION	MICRO FAMILY app B
93470PC	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 55NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
93471DC	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 55NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
93471DM	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 30NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
93471PC	SRAM	1-BIT	4K=4096X1/TYP. ACCESS 55NS/6X 6Y 1CS ADDRESS LINES	GEN. PURP.
93481ADC	DRAM	1-BIT	4K=4096X1/TYP. ACCESS 60NS/7 ADDRESS MULTIPLEXED 2CS LINES	GEN. PURP.
93481ADM	DRAM	1-BIT	4K=4096X1/TYP. ACCESS 80NS/7 ADDRESS MULTIPLEXED 2CS LINES	GEN. PURP.
93481AFM	DRAM	1-BIT	4K=4096X1/TYP. ACCESS 80NS/7 ADDRESS MULTIPLEXED 2CS LINES	GEN. PURP.
93481APC	DRAM	1-BIT	4K=4096X1/TYP. ACCESS 60NS/7 ADDRESS MULTIPLEXED 2CS LINES	GEN. PURP.
93481DC	DRAM	1-BIT	4K=4096X1/TYP. ACCESS 90NS/7 ADDRESS MULTIPLEXED 2CS LINES	GEN. PURP.
93481DM	DRAM	1-BIT	4K=4096X1/TYP. ACCESS 90NS/7 ADDRESS MULTIPLEXED 2CS LINES	GEN. PURP.
93481FM	DRAM	1-BIT	4K=4096X1/TYP. ACCESS 90NS/7 ADDRESS MULTIPLEXED 2CS LINES	GEN. PURP.
93481PC	DRAM	1-BIT	4K=4096X1/TYP. ACCESS 90NS/7 ADDRESS MULTIPLEXED 2CS LINES	GEN. PURP.
100414DC	SRAM	1-BIT	256=256X1/TYP. ACCESS 7NS/8 ADDRESS 3CS LINES	GEN. PURP.
100414FC	SRAM	1-BIT	256=256X1/TYP. ACCESS 7NS/8 ADDRESS 3CS LINES	GEN. PURP.
100415FC	SRAM	1-BIT	1K=1024X1/TYP. ACCESS 12NS/10 ADDRESS 1CS LINES	GEN. PURP.

MKR app C	PACKAGE app E	LSI TYPE app D	OPERATING TEMPERATURE RANGE	D. C. SUPPLY VOLTAGES	QUIESC PWR (max)	INPUT LOGIC LEVELS	OUTPUT LOGIC LEVELS	SUBSTITUTE	DEVICE TYPE NO
FAS	DIL-18/1P	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/OC		93470PC
FAS	DIL-18/1C	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/TS		93471DC
FAS	DIL-18/1C	TTLB	-55C/+125C	+5V	800TPMW	TTL	TTL/TS		93471DM
FAS	DIL-18/1P	TTLB	0C/+75C	+5V	190MXMA	TTL	TTL/TS		93471PC
FAS	DIL-16/1C	I2LB	0C/+75C	+5V	100TPMA	TTL	TTL/TS		93481ADC
FAS	DIL-16/1C	I2LB	-55C/+125C	+5V	350TPMW	TTL	TTL/TS		93481ADM
FAS	FLP-16/3C	I2LB	-55C/+125C	+5V	350TPMW	TTL	TTL/TS		93481AFM
FAS	DIL-16/1C	I2LB	0C/+70C	+5V	350TPMW	TTL	TTL/TS	93481ADC	93481APC
FAS	DIL-16/1C	TTLB	0C/+75C	+5V	100TPMA	TTL	TTL/TS	93481ADC	93481DC
FAS	DIL-16/1C	TTLB	-55C/+125C	+5V	350TPMW	TTL	TTL/TS	93481ADM	93481DM
FAS	FLP-16/3C	TTLB	-55C/+125C	+5V	350TPMW	TTL	TTL/TS	93481AFM	93481FM
FAS	DIL-16/1P	I2LB	0C/+75C	+5V	100TPMA	TTL	TTL/TS		93481PC
FAS	DIL-16/1C	ECL	0C/+85C	-5.2V	500TPMW	ECL	ECL		100414DC
FAS	FLP-16/3C	ECL	0C/+85C	-5.2V	500TPMW	ECL	ECL		100414FC
FAS	FLP-24/4C	ECL	0C/+85C	-5.2V	500TPMW	ECL	ECL		100415FC

Anhang A

Mikroprozessor-anwendungen (mit Schlüssel)

ACIA	asynchronous communications interface adapter asynchroner Übertragungsschnittstellenadapter
ADCVR	analog/digital converter Analog/Digital-Wandler
ANLGS	analog switch Analogschalter
ALU	arithmetic logic unit arithmetisch-logische Einheit, Rechenwerk
ARU	arithmetic unit arithmetische Einheit
BUFFR	buffer Zwischenspeicher
CAM	content-addressable memory Assoziativspeicher
CDCVR	code converter Codeumwandler
CHRGN	character-generator ROM Zeichengenerator-Lesespeicher
CLOCK	clock generator Taktgeber
COMBO	combination support chip Kombinations-Hilfschip
COMMS	communications interface Übertragungsschnittstelle
CPEBS	central processing element, bit slice Zentralelement (Prozessorelement)
CPU	central processing unit Zentraleinheit
CROM	control read-only memory Steuer-Lesespeicher
CRCGR	cyclic redundancy check generator/checker zyklischer Redundanzprüfgenerator
CRTC	CRT controller Katodenstrahlröhre-Steuerung
CSTPC	cassette (magnetic tape) controller Kassettensteuerung
CTC	counter/timer circuit Zähler/Zeitgeber
DALKC	data-link controller Datenübertragungssteuerung
DACVR	digital/analog converter Digital/Analog-Wandler
DECDR	decoder Decodierer
DMAC	direct-memory-access controller Steuerung des direkten Speicherzugriffs
DMI	dynamic memory interface dynamische Speicherschnittstelle
DRAM	dynamic RAM dynamischer Schreib-/Lesespeicher
DREGR	D-type register D-Register
DRVR	driver, line or bus Leitungs- oder Bustreiber
DSPLC	display controller Anzeigesteuerung
EAROM	electrically alterable ROM elektrisch veränderbarer Lesespeicher
EMU	emulator Emulator
EPROM	erasable (ultraviolet) PROM löschbarer programmierbarer Lesespeicher
EXPIO	expander, input/output Ein-/Ausgabe-Vervielfacher
FIRMW	firmware Firmware
FIFO	first-in/first-out register FIFO-Register
FLMEM	floppy-disk memory Diskettenspeicher
FLPDC	floppy-disk controller Diskettensteuerung
FPGA	field-programmable gate array anwenderprogrammierbares Gatterfeld
FPLA	field-programmable logic array anwenderprogrammierbares Logikfeld
IFACE	interface element Schnittstellenelement
IOBFR	input/output buffer Ein-/Ausgabepuffer
IOCTR	input/output controller Ein-/Ausgabesteuerung
IP/OP	input/output interface element Ein-/Ausgabe-Schnittstellenelement
ITRPC	interrupt control unit Unterbrechungssteuerung

KBENC	keyboard encoder/decoder Tastaturcodierer/-decodierer
KBDSC	keyboard and/or display controller Tastatur- bzw. Anzeigesteuerung
KBPRC	keyboard and printer controller Tastatur- und Druckersteuerung
LATCH	latch buffer Speicher-Flip-Flop
LAHCG	look-ahead carry generator voraussehender Übertragsgenerator
LIFO	last-in/first-out memory Kellerspeicher
LVLSH	level shifter Pegelschieber
MAGTC	magnetic-tape controller Magnetbandsteuerung
MCU	microprogram control unit Mikroprogrammsteuerung
MEM	memory Speicher
MEMCT	memory controller Speichersteuerung
MEMIO	memory plus input/output Speicher mit Ein-/Ausgabe
MICMP	microcomputer Mikrocomputer
MICTR	microcontroller Mikrocontroller
MMU	memory management unit Speicherverwaltung
MODEM	modem (modulator/demodulator) Modem (Modulator/Demodulator)
MPLA	mask-programmable logic array maskenprogrammierbares Logikfeld
MPU	microprocessing unit Mikroprozessoreinheit
MROM	mask-programmable read-only memory maskenprogrammierbarer Lesespeicher
MUX	multiplexer Multiplexer
MULTP	multiplier Vervielfacher
PAPTC	paper-tape controller Lochstreifensteuerung
PCI	programmable communications interface programmierbare Übertragungsschnittstelle
PERIP	peripheral device controller periperhere Gerätesteuerung
PIA	peripheral interface adapter Peripherieschnittstellenadapter
PINTC	priority interrupt controller Prioritätsunterbrechungssteuering
PIO	peripheral input/output interface Ein-/Ausgabe-Peripherieschnittstelle
POWRS	power supply Stromversorgung
PLA	programmable logic array programmierbares Logikfeld
PROM	programmable read-only memory programmierbarer Lesespeicher
PSU	program storage unit Programmspeicher
PROMP	PROM programmer PROM-Programmierer
PRTRC	printer controller Druckersteuerung
PTM	programmable timer/counter programmierbarer Zeitgeber/Zähler
QBT	quad bus transceiver Vierfach-Bus-Sender/Empfänger
RALU	register and arithmetic logic unit Register- und arithmetisch-logische Einheit
RAM	random-access memory Schreib-/Lesespeicher
RAROM	RAM, ROM plus input/ouput Schreib-/Lesespeicher, Lesespeicher mit Ein-/Ausgabe
RAMIO	RAM plus input/output Schreib-/Lesespeicher mit Ein-/Ausgabe
RCVR	receiver, line or bus Leitungs- oder Busempfänger
REGR	register Register
RMM	read-mostly memory Meist-Lesespeicher
ROM	read-only memory Lesespeicher
ROMIO	ROM plus input/output Lesespeicher mit Ein-/Ausgabe
SAMP	sense amplifier Leseverstärker

SDLC	synchronized data-link controller synchronisierte Datenübertragungssteuerung
SDLNC	synchronized data-link control synchronisierte Datenübertragungssteuerung
SHFTR	shift register Schieberegister
SIO	serial input/output port serielles Ein-/Ausgabetor
SMEM	serial memory serieller Speicher
SMI	static memory interface statische Speicherschnittstelle
SOFTW	software Software
SPECL	special purpose spezielle Anwendungen (siehe Daten des Herstellers)
SQNCR	sequencer, microprogram Mikroprogramm-Sequenzregister
SRAM	static RAM statischer Schreib-/Lesespeicher
SYSCT	system controller Systemsteuerung
TESTC	tester, component Prüfgerät (Bauelemente)
TIMER	timer Zeitgeber
TRCVR	transceiver, line or bus Leitungs- oder Bus-Sender/Empfänger
TTYCT	TTY controller Fernschreibersteuerung
UART	universal asynchronous receiver/transmitter universeller asynchroner Empfänger/Sender
USART	universal synchronous/asynchronous receiver/transmitter universeller synchroner/asynchroner Empfänger/Sender
USRT	universal synchronous receiver/transmitter universeller synchroner Empfänger/Sender
VDUC	VDU controller Anzeigesteuerung

Aanhangsel A

Microprocessor-chip toepassingen (met coderingen)

ACIA	Asynchronous communications interface adapter
ADCVR	Analog-digital converter
ANLGS	Analog switch
ALU	Arithmetic logic unit
ARU	Arithmetic unit
BUFFR	Buffer
CAM	Content-addressable memory
CDCVR	Code converter
CHRGN	Character-generator ROM
CLOCK	Clock generator
COMBO	Combination support chip
COMMS	Communications interface
CPEBS	Central processing element, bit slice
CPU	Central processing unit
CROM	Control read-only memory
CRCGR	Cyclic redundancy check generator/checker
CRTC	CRT controller
CSTPC	Cassette (magnetic tape) controller
CTC	Counter/timer circuit
DALKC	Data link controller
DACVR	Digital-analog converter
DECDR	Decoder
DMAC	Direct memory access controller
DMI	Dynamic memory interface
DRAM	Dynamic RAM
DREGR	D-type register
DRVR	Driver, line or bus
DSPLC	Display controller
EAROM	Electrically alterable PROM
EMU	Emulator
EPROM	Erasable (ultraviolet) PROM
EXPIO	Expander, input-output
FIRMW	Firmware
FIFO	First-in, first-out register
FLMEM	Floppy disk memory
FLPDC	Floppy disk controller
FPGA	Field-programmable gate array
FPLA	Field-programmable logic array
IFACE	Interface element
IOBFR	Input-output buffer
IOCTR	Input-output controller
IP/OP	Input-output interface element
ITRPC	Interrupt control unit
KBENC	Keyboard encoder/decoder
KBDSC	Keyboard and/or display controller
KBPRC	Keyboard and printer controller
LATCH	Latch buffer
LAHCG	Look-ahead carry generator
LIFO	Last-in, first-out memory
LVLSH	Level shifter
MAGTC	Magnetic tape controller
MCU	Microprogram control unit
MEM	Memory
MEMCT	Memory controller
MEMIO	Memory plus input/output
MICMP	Microcomputer
MICTR	Microcontroller
MMU	Memory management unit
MODEM	Modem (modulator/demodulator)
MPLA	Mask-programmable logic array
MPU	Microprocessor unit
MROM	Mask-programmable read-only memory
MUX	Multiplexer
MULTP	Multiplier
PAPTC	Paper-tape controller
PCI	Programmable communications interface
PERIP	Peripheral device controller
PIA	Peripheral interface adapter
PINTC	Priority interrupt controller
PIO	Peripheral input/output interface
POWRS	Power supply
PLA	Programmable logic array
PROM	Programmable read-only memory, fuzible-link
PSU	Program storage unit
PROMP	PROM programmer
PRTRC	Printer controller
PTM	Programmable timer-counter
QBT	Quad bus transceiver
RALU	Register, arithmetic-and-logic unit
RAM	Random access memory
RAROM	RAM, ROM, plus IP/OP
RAMIO	RAM plus IP/OP
RCVR	Receiver, line/bus
REGR	Register
RMM	Read-mostly memory

ROM	Read-only memory
ROMIO	ROM plus IP/OP
SAMP	Sense amplifier
SDLC	Synchronised data link controller
SDLNC	Synchronised data link control
SHFTR	Shift register
SIO	Serial input/output port
SMEM	Serial memory
SMI	Static memory interface
SOFTW	Software
SPECL	Special purpose (consult supplier's data)
SQNCR	Sequencer, microprogram
SRAM	Static RAM
SYSCT	System controller
TESTC	Tester, component
TIMER	Timer
TRCVR	Transceiver, line/bus
TTYCT	TTY controller
UART	Universal asynchronous receiver/transmitter
USRT	Universal synchronous/asynchronous receiver/transmitter
USRT	Universal synchronous receiver/transmitter
VDUC	VDU controller

Anhang B

Aanhangsel B

Mikroprozessor-familien

Microprocessor-families

A76XX — See PPS-4/1
A77XX — See PPS-4/1
A78XX — See PPS-4/1
A7698 — See PPS-4/1
A7798 — See PPS-4/1
A7898 — See PPS-4/1
ADIU — See F100220
ALPS — See LP8000

AM2901 FAMILY (Advanced Micro Devices, 4-bit slice, LSTL, +5V; 2nd sources = Fairchild, MMI formerly, Motorola, National, NEC, Raytheon, Signetics, Thomson-CSF)
- AM2901 = RALU, 16 instrns., DIL40
- AM2903 = Enhanced 2901, 25 instrns., DIL48
- 2900 family = alternate name for AM2901 family
- F9409 = Fairchild version of 2901

AM2903 — See AM2901

AM29116 FAMILY (Advanced Micro Devices, 16-bit, 1-chip CPU, NMOS, +5V, microprogrammable controller)
- AM29116 = RALU (with support AM29112, 2940, 2950/51)

AM9080 — See 8080
CDP1801 — See CDP1802

CDP1802 FAMILY (RCA, 8-bit, CMOS, +4 to +12V; 2nd sources = Hughes, Solid State Scientific, Synertek)
- CDP1801 = 2-chip-CPU version (with CDP18101), superseded in 1976 by 1-chip-CPU CDP1802
- CDP1802 = 1-chip CPU, 91 instrns., DIL40, supported by 1821-1824, 1831-32, 1851-59, 1861
- CDP1803 = 1-chip CPU, 91 instrns., DIL28, trimmed-down CDP1802
- CDP1804 = 1-chip controller, 256 × 8 RAM, 2048 × 8 ROM, internal timer
- CDP1806 = 1-chip CPU, enhanced CDP1802
- COSMAC = RCA commercial name for CDP1802 family

CDP1803 — See CDP1802
CDP1804 — See CDP1802
CDP1806 — See CDP1802
COP402 — See COPS II
COP402M — See COPS II
COP411L — See COPS II
COP420 — See COPS II
COP420C — See COPS II
COP440 — See COPS II
COP444L — See COPS II
COPS — See MM5782, 5799
COPS I — See MM5782, 5799

COPS II FAMILY (National Semiconductor, 4-bit, 1-chip controller, NMOS except 420C, +5V; 2nd source = Western Digital)
- COPS II = family name . . . see individual COP400 series units below
- COP402 = 64 × 4, no ROM, 23 IO lines, DIL40, romless design dev. version
- COP402M = Microbus-compatible version of COP402
- COP411L = 32 × 4 RAM, 512 × 8 ROM, 16 IO lines DIL20, stripped version of COP420
- COP420 = 64 × 4 RAM, 1024 × 8 ROM, 23 IO lines DIL28, 'midrange' unit of family
- COP420C = 64 × 4 RAM, 1024 × 8 ROM, 23 IO, DIL28 *CMOS* version of COP420
- COP440 = 128 × 4 RAM, 2048 × 8 ROM, 35 IO, DIL40 internal ADC, 'high end'
- COP 444L = 128 × 4 RAM, 2048 × 8 ROM, 35 IO, DIL40 internal ADC

COSMAC — See CDP1802

CP1600 FAMILY (General Instrument, 16-bit, 1-chip CPU NMOS, −3/+5/+12V, 87 instrns.; 2nd source = EMM SEMI formerly, ITT)
- CP1600 = CPU, ceramic DIL40, 3·3MHz clock, 10 IO lines, supported by RO-3-9500/1/2 and IOB1680
- CP1600A = ceramic DIL40, 5MHz version of CP1600
- CP1610 = plastic DIL40, 2MHz version of CP1600

CP1600A — See CP1600
CP1610 — See CP1600

CR1872 FAMILY (Western Digital, 4-bit, 1-chip controller PMOS, −12V, 2nd source = none)
- CR1872 = 32 × 4 RAM, 512 × 10 ROM, 30 IO, 91
- CR2272 = 32 × 4 RAM, 512 × 10 ROM, DIL40, led drive
- CR2872 = 32 × 4 RAM, no ROM, DIL64, design development ROMless CR1872
- WD40 = CR1872

EA9002 FAMILY (Electronic Arrays, 8-bit, 1-chip CPU NMOS, +5V, 66 instrns., obsolete)
- EA9002 = CPU, DIL28, discontinued

ECL 8-bit family — See F100220 family
Evachip 42 — See µPD 545
Evachip 43 — See µPD 545

F8 FAMILY (Fairchild, 8-bit, 1-chip MPU, NMOS +5/+12V; 2nd sources = Mostek, Motorola SGS/ATES)
- F8 CPU = F3850, support chips 3851–54, 3861, 3871
- 3850 = code number sometimes used for F3850
- F3850 = CPU, 64 × 8 RAM, 16 IO lines, 76 instrns., DIL40

F38E70 See MK3870

F-100L FAMILY (Ferranti, 16-bit, CDI Bipolar, +5V; 2nd source=none)
F100L=CPU, 29 instrns., DIL40, supported by F101, 111, 112

F387 See MK3870

F3850 See F8

F3859 FAMILY (Fairchild, 8-bit, 1-chip controller, NMOS, +5V; derived from multichip F8-F3850; 2nd source=none)
F3859=CPU; not proceeded with by Fairchild following arrival of 3870

F4705 FAMILY (Fairchild, 4-bit slice, CMOS, +5V; 2nd source=Signetics)
F4705=ALU, 64 instrns., DIL24, with support chips 9401, 9403, 9423, 4704, 4706–8, 4710
MACROLOGIC, CMOS=Fairchild alternate family name for F4705 CMOS version of Schottky TTL F9405 family
34705=alternate Fairchild number for F4705

F9405 FAMILY (Fairchild, 4-bit slice, STTL, with support 9401, 9403–4, 9406–8, 9410, 9423; 2nd source=Signetics)
F9405=ALU, DIL24
9400=alternate family name for F9405
MACROLOGIC, BIPOLAR=Fairchild alternate family name for 9405 family

F9409 See AM2901

F100220 FAMILY (Fairchild, 8-bit slice, multichip CPU, ECL, 2nd source=none)
F100220 ADIU=arithmetic and data interface unit, 68-pin leadless package, with support F100221, F100222, F100223
100K 8-bit ECL=alternate name for F100220 family

FIPS See 4004, 4040

GPC/P See IMP 4

IM6100 FAMILY (Intersil, 12-bit, 1-chip CPU, CMOS, +5V; 2nd source=Harris)
IM6100=CPU, 81 instrns., DIL40, with support chips 6101–3, 6312–3, 6402–3, 6501, 6508, 6512, 6518, 6551, 6561–2, 6603, 6611

IMP-00A/520 See IMP-4, IMP-8

IMP-00A/520 x4 See IMP-16

IMP-4 FAMILY (National Semiconductor, 4-bit slice, 3-chip MPU, PMOS, −12/+5V; 2nd source=Rockwell)
IMP-4=4-bit microprocessor family name
GPC/P=early name for IMP-4 4-bit slice
IMP-00A/520=ALU chip, 4-bit slice, 42 instrns., DIL24

IMP-8 FAMILY (National Semiconductor, 4-bit slice x 2, 3-chip MPU, PMOS, −12/+5V; 2nd source=Rockwell)
IMP-8=8-bit microprocessor family name
IMP-00A/520=ALU chip, 4-bit slice (pair used in IMP-8), 42 instrns., DIL 24

IMP-16 FAMILY (National Semiconductor, 4-bit slice x 4, 3-chip MPU, PMOS, −12/+5V; 2nd source=Rockwell)
IMP-16=16-bit microprocessor family name
IMP-00A/520 x 4=ALU chip, 4-bit slice (quartet in IMP-16), 42 instrns., DIL24

INS8060 See SC/MP II

INS8070 See SC/MP II

INS8072 See SC/MP II

INS8074 See SC/MP II

INS8900 FAMILY (National Semiconductor, 16-bit, 1-chip CPU, NMOS, −5/+5/+12V, 45 instrns; uses 8080 peripherals; 2nd source=none)
INS8900=CPU, DIL40
PACE, NMOS=alternate name for 8900 family, distinguished from PACE, PMOS

IPC-16A/500 See PACE, PMOS

IPC-16A/520 See PACE, PMOS

ISP-8A/500 See SC/MP I

ISP-8A/600 See SC/MP II

ITT-7150 FAMILY (ITT, 4-bit, 1-chip controller, PMOS, −15V; 2nd source=none)
ITT-7150=Controller, 14 IO, DIL 14/18/24, dedicated washing machine controller

LP-8000 FAMILY (General Instrument, 8-bit, 1-chip CPU, PMOS, −12/+5V, predecessor of F8; 2nd source=ITT)
LP-8000=CPU, 51 instrns., 24 IO, DIL40
ALPS=kit of LP-8000 family chips=8000, 6000, 1000, 1010, 1030

LSI-11/2 FAMILY (Digital Equipment Corp., 16-bit, multichip MPU, NMOS, −5/+5/+12V; 2nd source=none)
LSI-11/2=CPU chip, DIL40

M38 See M380

M380 FAMILY (SGS/ATES, 8-bit, 1-chip MPU, PMOS, −17/−5V; 2nd source=none)
M38=alternate chip family name for 380 CPU, 381 ROM-RAM-IO, 382 ROM-IO, 383 RAM-IO
M380=CPU, 48 instrns, DIL48

M58710 See 8080

M58840XXP FAMILY (Mitsubishi, 4-bit, 1-chip controller; 2nd source=none)
M58840XXP=CPU, integral ADC

Macrologic, bipolar See F9405

Macrologic, cmos See F4705

MACSS See MC68000

MB8840 FAMILY (Fujitsu, 4-bit, 1-chip controller, NMOS, +5V, DIL28/40; 2nd source = none)

MB8840 = CPU
MB8841 = CPU
MB8842 = CPU
MB8843 = CPU
MB8844 = CPU
MB8849 = CPU, DIL64, ROMless prototyping development chip for family

MB8841 See MB8840
MB8842 See MB8840
MB8843 See MB8840
MB8844 See MB8840
MB8849 See MB8840
MB8861 See MC6800

MC-2 FAMILY (Hewlett Packard, 16-bit, 1-chip controller, CMOS-SOS, 2nd source = none)

MC-2 = CPU, 48-pin leadless ceramic substrate

MC68A00 See MC6800
MC68B00 See MC6800

MC6400 FAMILY (Motorola, 8-bit, 1-chip controller, NMOS, +5V, obsolete)

MC6400 = CPU, 32 x 8 RAM, 1024 x 8 ROM, internal clock, DIL40

MC6800 FAMILY (Motorola, 8-bit, 1-chip CPU, NMOS, +5V, with support chips 6820, 6828, 6850, 6852, 6870, 6875; 2nd sources = Advanced Micro Devices, Fairchild, Fujitsu, Hitachi, Thomson-CSF)

MC6800 = CPU, DIL40, 72 instrns., clock speed to 1MHz
MC68A00 = CPU, DIL40, 72 instrns., clock speed to 1·5MHz
MC68B00 = CPU, DIL40, 72 instrns., clock speed to 2MHz
MB8861 = CPU, DIL40, Fujitsu version of MC6800

MC6801 FAMILY (Motorola, 8-bit, 1-chip controller, +5V; 2nd sources as for MC6800 family)

MC6801 = CPU, NMOS, 128 x 8 RAM, 2048 x 8 ROM, 34 IO, DIL40, general purpose
MC6801E = CPU, NMOS, 128 x 8 RAM, 2048 x 8 ROM, 34 IO, DIL40, external clock
MC6803 = CPU, NMOS, 128 x 8 RAM, no ROM, 34 IO, DIL40, ROMless prototyping version of MC6801
MC6803NR = ROMless, RAMless version of MC6801
MC6805 = CPU, NMOS, 64 x 8 RAM, 1024 x 8 ROM, 32 IO, DIL28, economy limited-specification version of MC6801
MC68701 = CPU, NMOS, 128 x 8 RAM, 2048 x 8 EPROM, 34 IO, DIL40, EPROM version of MC6801
MC68705 = CPU, NMOS, 64 x 8 RAM, 1024 x 8 EPROM, 32 IO, DIL28, EPROM version of MC6805

MC6802 FAMILY (Motorola, 8-bit, 2-chip computer, NMOS and CMOS, +5V; 2nd sources as for MC6800 family)

MC6802 = CPU, NMOS, 2MHz clock, 128 x 8 RAM, supported by MC6846
MC6802E = CPU, NMOS, 4MHz clock, 128 x 8 RAM, supported by MC6846
MC6802 H = CPU, NMOS, DIL40, supported by MC6846
MC6808 = CPU, NMOS, DIL40, 72 instrns., RAMless on-chip-clock version of MC6802
MD46802 = CPU, CMOS, 5MHz clock, 128 x 8 RAM, supported by MD46846, Mitel's CMOS version of MC6802
S6802 = CPU, NMOS, American Microsystems version of MC6802

MC6803 See MC6800
MC6805 See MC6801
MC6808 See MC6802

MC6809 FAMILY (Motorola, 8/16-bit, 1-chip CPU, NMOS, +5V; 2nd source = Advanced Micro Devices)

MC6809 = CPU, 'pseudo-16-bit', 100+ instrns., DIL40, enhanced MC6800, on-chip clock
MC6809E = off-chip clock version of MC6809

MC10800 FAMILY (Motorola, 4-bit slice, multichip CPU, ECL, −2/−5·2V; 2nd source = none)

MC10800 = ALU, QIL48, with support chips 10801–10808, 108MHz clock

MC14500 FAMILY (Motorola, 1-bit, serial controller, CMOS, +5(3 to 18)V, 16 instrns.; 2nd source = none)

MC14500 = CPU, DIL16, with support 14099, 14512, 14599

MC68000 FAMILY (Motorola, 16-bit, 1-chip CPU, NMOS, +5V; 2nd source = Rockwell)

MC68000 = CPU, DIL64, 61 instrns., 8MHz clock frequency, supported by MC6800 family support chips along with MC68100, MC68110, MC68130
MACSS = early Motorola name for MC68000 family

MC68701 See MC6801
MC68705 See MC6801
MC141000 See TMS3000
MC141099 See TMS3000
MC141200 See TMS3000
MC146805 See MC6801
MCOM-8 See 8080

MCP1600 FAMILY (Western Digital, 8-bit, 3-chip CPU, NMOS, −5/+5/+12V; 2nd source = National Semiconductor, licensed)

MCP1600 = unprogrammed chip set comprising

MCP1611 data processor, MCP1621 control circuit and MCP1631 MICROM
WD16 = reprogrammed version of MCP1600 set

MCS-4 See 4004
MCS-8 See 8008
MCS-40 See 4040
MCS-48 See 8048
MCS-80 See 8080
MCS-85 See 8085
MCS650X See MCS6502
MCS651X See MCS6502

MCS6500/1 FAMILY (MOS Technology, 8-bit, 1-chip controller, NMOS, +5V, equivalent to combined MCS6502 + 6530; 2nd sources = EMM-SEMI, Rockwell, Synertek)
MCS6500/1 = 64 x 8 RAM, 2048 x 16 ROM, 32 IO, internal timer-counter, DIL40, general purpose
MCS6500/1E = 64 x 8 RAM, no ROM, 32 IO, internal timer-counter, DIL64, prototyping ROMless version of MCS6500/1
6500/1 = common short-form number for MCS6500/1 family

MCS6502 FAMILY (MOS Technology, 8-bit 1-chip CPU, NMOS, +5V, 56 instrns., with support chips MCS6520, 6522, 6530, 6532; 2nd sources = Rockwell, Synertek)
MCS6502 = 64K address space, on-chip clock, DIL40
MCS6503 = 4K address space, on-chip clock, DIL28
MCS6504 = 8K address space, on-chip clock, DIL28
MCS6505 = 4K address space, on-chip clock, no phase-1 clock output, DIL28
MCS6506 = 4K address space, on-chip clock, phase-1 clock output, DIL28
MCS6507 = 8K address space, on-chip clock, DIL28
MCS6512 = 64K address space, clockless version of MCS6502, DIL40
MCS6513 = 4K address space, clockless version of MCS6503, DIL28
MCS6514 = 8K address space, clockless version of MCS6504, DIL28
MCS6515 = 4K address space, clockless version of MCS6505, DIL28
65XX = alternative MCS6502 family number
650X = alternative MCS6502 family number
651X = alternative MCS6502/6512 family number
MCS650X = alternative MCS6502 family number
MCS651X = alternative MCS6502/6512 family number

MCS6503 See MCS6502
MCS6504 See MCS6502
MCS6505 See MCS6502
MCS6506 See MCS6502
MCS6507 See MCS6502
MCS6512 See MCS6502
MCS6513 See MCS6502
MCS6514 See MCS6502
MCS6515 See MCS6502

MCS6516 FAMILY (Syntertek, 8/16-bit, 1-chip CPU, NMOS, +5V; 2nd source = Rockwell)
MCS6516 = CPU, 'pseudo-16-bit, enhanced MCS6502, 114 instrns., DIL40, uses MC6800 or MCS6502 support chips.

MCS6600 FAMILY (MOS Technology, 8-bit, NMOS, paper-design, not pursued; 2nd source = none)
MCS6600 = CPU, obsolete

MD46802 See MC6802
MELPS-8 See 8080
Microflame I See 9440
Microflame II See 9440
Micromachine See MK3870

MICRONOVA FAMILY (Data General, 16-bit, NMOS and BIPOLAR, +4·25/+5/+10/+14V; 2nd source = none)
MICRONOVA = chip family name; NMOS = MN601 CPU and BIPOLAR = MN629 CPU, with associated MN603 IO controller, MN606 DRAM, MN634 bus transceiver, MN506 quad sense amp., MN636 IO controller transceiver, MN638 memory clock driver, MN640 CPU clock driver
MN601 = CPU, 72 instrns., DIL40, NMOS
MN602 = CPU, 72 instrns., DIL40, NMOS, enhanced MN601, −5/+5/+12V
MN629 = CPU, 72 instrns., DIL40, Bipolar, +5V
MN640 = CPU and IO clock driver, DIL16, Bipolar, +5V

MINI-D FAMILY (Burroughs, 8-bit, 1-chip MPU, PMOS, −12/+5V, custom chip, obsolete)
MINI-D CPU = 256 x 8 ROM, DIL16

MIPROC-16 FAMILY (Plessey, 16-bit, multichip MPU, Schottky TTL, +5V; 2nd source = none)
MIPROC-16 CPU = 83 instrns., DIL

MK3870 FAMILY (Mostek, 8-bit, 1-chip microcomputer, NMOS, +5V; 2nd sources = Fairchild, Motorola)
MK3870 = 64 x 8 RAM, 2048 x 8 PROM, 32 IO, DIL40, prime chip
F38E70 = 64 x 8 RAM, 2048 x 8 EPROM, 32 IO, DIL40, Fairchild EPROM version of MK3870
MK3872 = 128 x 8 RAM, 4096 x 8 ROM, 32 IO, DIL40, RAM keep-alive version of MK3870
MK3873 = 64 x 8 RAM, 2048 x 8 ROM, 35 IO, DIL40, serial-port version of MK3870

MK3874 = 128 x 8 RAM, no ROM, 32 IO, DIL40, ROMless prototype development chip with 24-pin EPROM top socket
MK3876 = 128 x 8 RAM, 2048 x 8 ROM, 32 IO, DIL40
F387 = Fairchild family name for MK3870 family
MICROMACHINE = Fairchild name for MK3870 family

MK3872 See MK3870
MK3873 See MK3870
MK3874 See MK3870
MK3876 See MK3870
MK3880 See Z80

MK5065 FAMILY (Mostek, 8-bit, PMOS, obsolete; 2nd source = none)
MK5065 = CPU for MK5065 parallel processor, now obsolete

MM75 See PPS-4/1
MM76 See PPS-4/1
MM76C See PPS-4/1
MM76D See PPS-4/1
MM76E See PPS-4/1
MM76EL See PPS-4/1
MM76L See PPS-4/1
MM77 See PPS-4/1
MM77L See PPS-4/1
MM78 See PPS-4/1
MM78A/D See PPS-4/1
MM78L See PPS-4/1

MM5734 FAMILY (National Semiconductor, 4-bit, PMOS, −9V, obsolete)
MM5734 = CPU 45 instrns., DIL40, obsolete

MM5782 FAMILY (National Semiconductor, 4-bit, 1-chip CPU, PMOS, −8·5V; 2nd source = none)
MM5782 = CPU, 33 instrns., DIL28, supported by MM5781 ROM IO
COPS family = National commercial name for MM5782, and MM5799, family
COPS I family = National name to distinguish PMOS COPS I from NMOS COPS II, for which see separate entry

MM5799 FAMILY (National Semiconductor, 4-bit, 1-chip controller, PMOS, −8·5V; 2nd source = none)
MM5799 = 96 x 4 RAM, 1536 x 8 ROM, internal clock, 49 instrns., DIL28, general purpose controller
MM57109 = 5 x 32 RAM, no ROM, no internal clock, 70 instrns., DIL28, dedicated number cruncher
MM57140 = 55 x 4 RAM, 630 x 8 ROM, internal clock, 36 instrns., DIL28, LED display driver
MM57152 = 55 x 4 RAM, 630 x 8 ROM, internal clock, DIL28, fluorescent display driver
COPS = National commercial name for MM5799, and MM5782, family
COPS I family = National name to distinguish PMOS COPS I from NMOS COPS II, for which see separate entry

MM57109 See MM5799
MM57140 See MM5799
MM57142 See MM5799
MM57152 See MM5799

MMI-5701 FAMILY (Monolithic Memories, 4-bit slice, Schottky TTL, + 5V; 2nd source = ITT)
MMI-5701 = ALU, military specification, 36 instrns., DIL40
MMI-6701 = ALU, commercial specification version of MMI-5701

MMI-6701 See MMI-5701
MN601 See MICRONOVA
MN602 See MICRONOVA
MN629 See MICRONOVA
MN640 See MICRONOVA

MN1400 FAMILY (Matsushita-Panasonic, 4-bit, 1-chip controller, NMOS-PMOS-CMOS, +5V; 2nd source = none)
MN1400 = NMOS, 64 x 4 RAM, 1024 x 8 ROM, internal clock, 30 IO, 75 instrns., DIL40
MN1402 = NMOS, 32 x 4 RAM, 768 x 8 ROM, internal clock, 19 IO, 57 instrns., DIL28, fewer-IO version of MN1400
MN1403 = NMOS, 16 x 4 RAM, 512 x 8 ROM, internal clock, DIL18
MN1404 = NMOS, 16 x 4 RAM, 512 x 8 ROM, internal clock, DIL16
MN1405 = NMOS, 128 x 4 RAM, 2048 x 8 ROM, internal clock, DIL40
MN1430 = PMOS, 64 x 4 RAM, 1024 x 8 ROM, internal clock, DIL40, PMOS version of 1400
MN1432 = PMOS, 32 x 4 RAM, 768 x 8 ROM, internal clock, DIL28
MN1435 = PMOS, 128 x 4 RAM, 2048 x 8 ROM, internal clock, DIL40
MN1450 = CMOS, 64 x 4 RAM, 1024 x 8 ROM, internal clock, 32 IO, DIL40, CMOS version of MN1400
MN1453 = CMOS, 16 x 4 RAM, 512 x 8 ROM, internal clock, DIL18
MN1454 = CMOS, 16 x 4 RAM, 512 x 8 ROM, internal clock, DIL16
MN1455 = CMOS, 128 x 4 RAM, 2048 x 8 ROM, internal clock, DIL40
MN1498 = NMOS, 64 x 4 RAM, no ROM, internal clock, 17 IO, 68 instrns., DIL40, prototyping ROMless MN 1400 chip
MN1499 = NMOS, 64 x 4 RAM, no ROM, internal clock,

25 IO, 75 instrns., DIL64, prototyping ROMless MN 1400 chip

MN1402 See MN1400
MN1403 See MN1400
MN1404 See MN1400
MN1405 See MN1400
MN1430 See MN1400
MN1432 See MN1400
MN1435 See MN1400
MN1450 See MN1400
MN1453 See MN1400
MN1454 See MN1400
MN1455 See MN1400
MN1498 See MN1400
MN1499 See MN1400

MN1500 FAMILY (Matsushita-Panasonic, 4-bit, 1-chip controller, NMOS, +5V; 2nd source = none)
MN1542 = NMOS, 152 x 4 RAM, 2048 x 8 ROM, internal clock, DIL40 plastic
MN1544 = NMOS, 256 x 4 RAM, 4096 x 8 ROM, internal clock, DIL40 plastic
MN1562 = NMOS, 152 x 4 RAM, 2048 x 8 ROM, internal clock, DIL64
MN1564 = NMOS, 256 x 4 RAM, 4096 x 8 ROM, internal clock, DIL64
MN1591 = NMOS, 256 x 4 RAM, no ROM, internal clock, DIL40, ROMless prototype development version of MN1544
MN1599 = NMOS, 256 x 4 RAM, no ROM, internal clock, DIL64, ROMless prototype development version of MN1564

MN1542 See MN1500
MN1544 See MN1500
MN1562 See MN1500
MN1564 See MN1500
MN1591 See MN1500
MN1599 See MN1500

MN1610 FAMILY (Panafacom-Matsushita/Fujitsu, 16-bit, 1-chip CPU, NMOS, −3/+5/+12V; 2nd source = none)
MN1610 = CPU, 33 instrns., DIL40
PFL-16A = chip family system, including MN1610 CPU, supported by MN1630, MN1640, MN1650, MN1680 chips.

MP1600 FAMILY (Western Digital, 16-bit, 4-chip CPU, NMOS, −5/+5/+12V; 2nd source = none)
MP1600 = unprogrammed chip set comprising MCP1651 data chip, MCP1661B control chip, and 2 x MCP1631 MICROM

MSM3901 See 8080
N8X300 See 8X300
N8X3001 See 8X300

NS16000 FAMILY (National Semiconductor, 16-bit, 1-chip CPU, NMOS, +5V, supported by NS16032, NS16081; 2nd source = none)
NSC16000 = alternate type number for NS16000

NSC16000 See NS16000
PACE, NMOS See INS 8900

PACE, PMOS FAMILY (National Semiconductor, 16-bit, 1-chip MPU, PMOS, −12/−8/+5V, 45 instrns.; 2nd source = none)
PACE, PMOS = Total family comprising IPC-16A/500 and IPC-16A/520 CPU chips, plus IPC-16A/501-508, 513, 518 support chips
IPC-16A/500 = CPU chip, DIL40
IPC-16A/520 = CPU chip, DIL40, low-cost version of IPC-16A/500

PFL-16A See MN1610
PIC1640 See PIC1650
PIC1645 See PIC1650

PIC1650 FAMILY (General Instrument, 8-bit, 1-chip controller, NMOS, internal clock; 2nd source = EMM-SEMI)
PIC1640 = 32 x 8 RAM, 256 x 12 ROM, 16 IO, 27 instrns., +15V, DIL40, programmable interface controller
PIC1645 = 32 x 8 RAM, 256 x 12 ROM, 12 IO, interrupt, +5V, DIL18, reduced PIC1650
PIC1650 = 32 x 8 RAM, 512 x 12 ROM, 32 IO, 30 instrns., +5V, DIL40, general purpose
PIC1650A = improved PC1650
PIC1655 = 32 x 8 RAM, 512 x 12 ROM, 20 IO, 30 instrns., +5V, DIL28, fewer-IO lines version of PIC1650
PIC1655A = improved PIC1655
PIC1656 = 32 x 8 RAM, 512 x 12 ROM, 20 IO, +5V, DIL28
PIC1664 = 32 x 8 RAM, no ROM, halt-pin, +5V, DIL64, ROMless prototyping PIC1650
PIC1664B = improved PIC1664
PIC1665 = 48 x 8 RAM, no ROM, +5V, 32 IO, DIL40, ROMless development version of PIC1670
PIC1670 = 48 x 8 RAM, 1024 x 12 ROM, +5V, DIL40, augmented-ROM version of PIC1650

PIC1655 See PIC1650
PIC1656 See PIC1650
PIC1664 See PIC1650
PIC1665 See PIC1650
PIC1670 See PIC1650
PIP See 2650

PPS-4 FAMILY (Rockwell, 4-bit, multichip MPU, PMOS, −15V, QIL42, 50 instrns.; 2nd source = National Semiconductor)

PPS-4 = 3-chip computer system, with 10706 clock and A17XX or A23XX ROM-RAM-IO
PPS-4/2 = 2-chip computer system, with A17XX or A23XX ROM-RAM-IO
11660 = PPS-4/2 CPU, on-chip clock
12660 = PPS-4 CPU, external clock

PPS-4/1 FAMILY (Rockwell, 4-bit, 1-chip controller, PMOS, −15V normal, −6.5 to −11V low-voltage, 50 instrns.; 2nd source = none)
MM75 = 48 × 4 RAM, 640 × 8 ROM, 22 IO lines, DIL28, economy MM76
MM76 = 48 × 4 RAM, 640 × 8 ROM, 31 IO lines, QIL42, keyboard display
MM76C = 48 × 4 RAM, 640 × 8 ROM, 39 IO lines, QIL52, up-down counter
MM76D = 48 × 4 RAM, 640 × 8 ROM, 39 IO lines, QIL53, ADC
MM76E = 48 × 4 RAM, 1024 × 8 ROM, 31 IO lines, QIL42, expanded RAM MM76
MM76EL = 48 × 4 RAM, 1024 × 8 ROM, 31 IO lines, DIL40, low-voltage MM76E
MM76L = 48 × 4 RAM, 640 × 8 ROM, 31 IO lines, DIL40, low-voltage MM76
MM77 = 96 × 4 RAM, 1344 × 8 ROM, 31 IO lines, QIL42, basic MM77
MM77L = 96 × 4 RAM, 1536 × 8 ROM, 31 IO lines, DIL40, low-voltage MM77
MM78 = 128 × 4RAM, 2048 × 8 ROM, 31 IO lines, QIL42, 'jumbo' MM77
MM78L = 128 × 4 RAM, 2048 × 8 ROM, 31 IO lines, DIL40, low-voltage MM78
MM78A/D = 128 × 4 RAM, 2048 × 8 ROM, 31 IO lines, DIL40, ADC version of MM78L
A76XX = MM76 alternate number
A77XX = MM77 alternate number
A78XX = MM78 alternate number
A7698 = ROMless MM76 for external-ROM prototype design development
A7798 = ROMless MM77 for external-ROM prototype design development
A7898 = ROMless MM78 for external-ROM prototype design development

PPS-4/2 — See PPS-4

PPS-8 FAMILY (Rockwell, 8-bit, 1-chip MPU, PMOS, −12/+5V, 109 instrns; 2nd source = National)
PPS-8 = 5-chip computer system name; for CPU see 11806 below
PPS-8/2 = 2-chip computer system name; for CPU see 12806 below
11806 = PPS-8 CPU, external clock, QIL42
12806 = PPS-8/2 CPU, internal clock, QIL52

PPS-8/2 — See PPS-8

PPS-25 FAMILY (Fairchild Semiconductors, 4-bit, multichip MPU, PMOS, −10/+5V, 2nd source = none, obsolete)
PPS-25 = calculator-orientated chip set, DIL16, 18, 24, 40, obsolete

S2000 FAMILY (American Microsystems, 4-bit, 1-chip controller, NMOS except CMOS S2210, DIL40; 2nd source = none)
S2000 = 64 × 4 RAM, 1024 × 8 ROM, 29 IO, 51 instrns., +9V, LED driver
S2000A = 64 × 4 RAM, 1024 × 8 ROM, 29 IO, 51 instrns., +9V, vacuum fluorescent driver
S2150 = 80 × 4 RAM, 1636 × 8 ROM, 29 IO, 51 instrns.
S2200 = 128 × 4 RAM, 2048 × 8 ROM, 61 instrns., ADC, +5V
S2210 = 128 × 4 RAM, 2048 × 8 ROM, CMOS, 61 instrns., ADC, +5V
S2400 = 128 × 4 RAM, 4096 × 8 ROM, 61 instrns., ADC, +5V

S2150 — See S2000
S2200 — See S2000
S2210 — See S2000
S2400 — See S2000
S6802 — See MC6802

S9209 FAMILY (American Microsystems, 4-bit, 1-chip controller, PMOS, −15V; 2nd source = none, discontinued)
S9209 = 4 × 16 × 4 RAM, 12 × 63 × 8 ROM, 28 instrns., DIL40, microprogrammable display processor, discontinued

SBA FAMILY (General Instrument, 1-bit, 1-chip controller, NMOS, +5/+12V, DIL40; 2nd source = none)
SBA = 120 × 1 RAM, 1024 × 8 ROM, 31 IO, 8 instrns.
SBA-1 = ROMless prototyping version of SBA

SBA-1 — See SBA

SBP-0400 FAMILY (Texas Instruments, 4-bit slice, multichip CPU, I2L, +5V, 16 instrns; 2nd source = none)
SBP-0400 = ALU, 1W max. dissipn., on-chip pipeline register, DIL40
SBP-0401 = ALU, 1·5W max. dissipn., no on-chip pipeline register, DIL40

SBP-0401 — See SPB-0400

SBP-9900 FAMILY (Texas Instruments, 16-bit, 1-chip CPU, I2L, +5V; 2nd source = none)
SBP9900A = CPU, DIL64, bipolar wide-temperature-range version of TMS-9900

SC/MP — See SC/MP I

SC/MP I FAMILY (National Semiconductor, 8-bit, 1-chip

MPU, PMOS, −7/+5V, 46 instrns.; 2nd source = none, obsolescent)

SC/MP = original name of PMOS 'Simple Cost-effective/Micro Processor'

SC/MP I = alternate PMOS family name to distinguish from NMOS SC/MP II

ISP-8A/500 = CPU chip, DIL40, 256 x 8 RAM, 512 x 8 ROM

SC/MP II FAMILY (National Semiconductor, 8-bit, 1-chip MPU, NMOS, +5V, 46 instrns.; 2nd sources = Rockwell, Signetics, Western Digital)

SC/MP II = name given to NMOS SC/MP family to distinguish from PMOS SC/MP or SC/MP I version

ISP-8A/600 = CPU chip, DIL40, with 2656 combo chip gives a 2-chip system or can use 8080 support chips for multichip system

INS8060 = ISP-8A/600 alternate name

INS8070 = ROMless development version of INS8072, DIL40

INS8072 = enchanced 1-chip controller version of INS8060, 64 x 8 RAM, 2·5K x 8 ROM, DIL40

INS8074 = 64 x 8 RAM, 4096 x 8 ROM, 1-chip controller, expanded ROM version of INS 8072, DIL40

INS8075 = INS8074 with on-chip NN Basic

70 SERIES = National name for INS8070, 8072, 8074, 8075 (SC/MP II family)

SMS300 FAMILY (Scientific Microsystems, 8-bit, 4-chip controller, Schottky TTL, +5V; 2nd source = Signetics)

SMS300 = controller, DIL50, supported by SMS331 ROM, 332 RAM, 360 interface

SMS330 = controller, DIL48

SMS330 — See SMS300

SN54LS481 — See SN74LS481

SN54S481 — See SN74S481

SN74LS481 FAMILY (Texas Instruments, 4-bit slice, multichip CPU, LSTL, +5V, 10nS propagation delay, QIL48; 2nd source = none)

SN54LS481 = −55/+125C military specification

SN74LS481 = 0/+70C commercial specification

SN74S481 FAMILY (Texas Instruments, 4-bit slice, multichip CPU, STTL, +5V, 3nS propagation delay, QIL48; 2nd source = none)

SN54S481 = −55/+125C military specification

SN74S481 = 0/+70C commercial specification

SX200 FAMILY (Essex International, 4-bit, 1-chip controller, PMOS, −15V, obsolete)

SX200 = 64 x 4 RAM, 1024 x 8 ROM, 16 IO lines, 41 instrns., DIL28

T-40L FAMILY (Toshiba, 16-bit, multichip CPU, NMOS, +5V; 2nd source = none)

T3412 = ACU, arithmetic control unit, DIL42, supported by T3413 BCU bus control unit

T3153 — See TLCS-12A

T3190 — See TLCS-12A

T3412 — See T-40L

T3444 FAMILY (Toshiba, 4-bit, 1-chip controller, NMOS, +5V; 2nd source = none)

T3444 = 16 x 4 RAM, 256 x 24 ROM, 16 IO, DIL40, unprogrammed general purpose

T3444A = 16 x 4 RAM, 256 x 24 ROM, DIL40, preprogrammed floppy disk controller

T3444BS = 16 x 4 RAM, 256 x 24 ROM, DIL40, preprogrammed ISO-format digital cassette controller

T3444D = 16 x 4 RAM, 256 x 24 ROM, DIL40, preprogrammed double-sided floppy disk controller

T3444M = 16 x 4 RAM, 256 x 24 ROM, DIL40, preprogrammed mini-floppy disk controller

T3472 FAMILY (Toshiba, 4-bit, 1-chip controller, NMOS, +5V; 2nd source = none, obsolete)

T3472 = 16 x 4 RAM, 256 x 24 ROM, DIL42, preprogrammed keyboard/display interface controller, obsolete

T3535 — See TLCS-12A

TCP4600 — See TLCS-46

TCP4610 — See TLCS-46

TCP4620 — See TLCS-46

TCP4630 — See TLCS-46

TLCS-12A FAMILY (Toshiba, 12-bit, 1-chip MPU, PMOS, −5/+5V; 2nd source = none)

TLCS-12A = family name for T3153, T3190, T3535 CPU chips, supported by T3217, T3219, T3220, T3269, T3416, T3418, T3445

T3153 = CPU chip, 18 instrns., DIL42

T3190 = CPU chip, 21 instrns., DIL36

T3535 = CPU chip, DIL36

TLCS-41 FAMILY (Toshiba, 4-bit, 1-chip controller, NMOS, +5V; 2nd source = none)

TMP4110 = dedicated electronic cash register controller, DIL42

TMP4190 = CR101-printer controller, DIL42

TMP4191 = CR330-printer controller, DIL42

TLCS-43 FAMILY (Toshiba, 4-bit, 1-chip controller, NMOS, +5V; 2nd source = none)

TMP4300 = ROMless evaluator chip for TLCS-43 family, 128 x 4 RAM, DIL64

TMP4310 = 1-chip controller, 48 x 4 RAM, 1024 x 8 ROM, DIL28

TMP4315A = 1-chip controller, 128 x 4 RAM, 1536 x 8 ROM, DIL42
TMP4320 = 1-chip controller, 128 x 4 RAM, 2048 x 8 ROM, DIL42

TLCS-46 FAMILY (Toshiba, 4-bit, 1-chip controller, CMOS, +5V; 2nd source = none)
TCP4600 = ROMless evaluator chip for TLCS-46 family, 160 x 4 RAM, DIL64
TCP4610 = 1-chip controller, 48 x 4 RAM, 1024 x 8 ROM, DIL28
TCP4620 = 1-chip controller, 96 x 4 Ram, 2048 x 8 ROM, DIL42
TCP4630 = 1-chip controller, 160 x 4 RAM, 3072 x 8 ROM, DIL42

TLCS-80 — See 8080
TLCS-84 — See 8048
TLCS-85 — See 8085
TMP4110 — See TLCS-41
TMP4190 — See TLCS-41
TMP4191 — See TLCS-41
TMP4300 — See TLCS-43
TMP4310 — See TLCS-43
TMP4315 — See TLCS-43
TMP4320 — See TLCS-43
TMP8048 — See 8048
TMP8085A — See 8085
TMP9080A — See 8080

TMS1000 FAMILY (Texas Instruments, 4-bit, 1-chip controller, PMOS & CMOS; 2nd sources = none for PMOS and Motorola for CMOS)
TMS1000 = 64 x 4 RAM, 1024 x 8 ROM, PMOS, −15V, 23 IO, 43 instrns., DIL28, general purpose
TMS1000C = 64 x 4 RAM, 1024 x 8 ROM, CMOS, +5V, 22 IO, 43 instrns., DIL28, general purpose
TMS1018 = 64 x 4 RAM, no ROM, PMOS, −15V, 4 IO, 43 instrns., DIL28, number cruncher
TMS1022 = 64 x 4 RAM, 1024 x 8 ROM, PMOS, −15V, 43 instrns., DIL28, dedicated CB controller
TMS1070 = 64 x 4 RAM, 1024 x 8 ROM, PMOS, −15V, 23 IO, 43 instrns., DIL28, vacuum fluorescent display controller
TMS1098 = 128 x 4 RAM, no ROM, PMOS, −15V, 12 IO, 54 instrns., DIL64, ROMless TMS1100 for prototype development
TMS1099 = 64 x 4 RAM, no ROM, PMOS, −15V, 12 IO, 43 instrns., DIL64, ROMless TMS1000 for prototype development
TMS1099C = 64 x 4 RAM, no ROM, CMOS, +5V, 12 IO, 43 instrns., DIL64, ROMless TMS1000C for prototype development
TMS1100 = 128 x 4 RAM, 2048 x 8 ROM, PMOS, −15V, 25 IO, 54 instrns., DIL28, general purpose
TMS1117 = 128 x 4 RAM, PMOS, −15V, 19 IO, 43 instrns., DIL28, general purpose
TMS1121 = 128 x 4 RAM, 2048 x 8 ROM, PMOS, −15V, 42 instrns., DIL40, multi-appliance timer-controller
TMS1200 = 64 x 4 RAM, 1024 x 8 ROM, PMOS, −15V, 25 IO, 43 instrns., DIL40, general purpose
TMS1200C = 64 x 4 RAM, 1024 x 8 ROM, CMOS, +5V, 33 IO, 43 instrns., DIL40, general purpose
TMS1270 = 64 x 4 RAM, 1024 x 8 ROM, PMOS, −15V, 23 IO, 43 instrns., DIL40, vacuum fluorescent display controller
TMS1300 = 128 x 4 RAM, 2048 x 8 ROM, PMOS, −15V, 23 IO, 54 instrns., DIL40, general purpose
TMS1330 = 128 x 4 RAM, 2048 x 8 ROM, PMOS, −15V, 31 IO, 42 instrns., DIL40, ADC and keyboard controller
TMS1400 = 128 x 4 RAM, 4096 x 8 ROM, PMOS, −15V, 22 IO, DIL28
TMS1600 = 128 x 4 RAM, 4096 x 8 ROM, PMOS, −15V, 33 IO, DIL40
TMS1700 = 32 x 4 RAM, 512 x 8 ROM, PMOS, −15V, 21 IO, DIL28

TMS1000C — See TMS1000
TMS1018 — See TMS1000
TMS1022 — See TMS1000
TMS1070 — See TMS1000
TMS1098 — See TMS1000
TMS1099 — See TMS1000
TMS1099C — See TMS1000
TMS1100 — See TMS1000
TMS1117 — See TMS1000
TMS1121 — See TMS1000
TMS1200 — See TMS1000
TMS1200C — See TMS1000
TMS1270 — See TMS1000
TMS1300 — See TMS1000
TMS1330 — See TMS1000
TMS1400 — See TMS1000
TMS1600 — See TMS1000
TMS1700 — See TMS1000

TMS2000 FAMILY (Texas Instruments, 4-bit, 1-chip controller, NMOS, +5V, NMOS version of TMS1000 PMOS family; 2nd source = none)
TMS2000 = 64 x 4 RAM, 1024 x 8 ROM, 23 IO, 43 instrns., DIL28, general purpose
TMS2098 = 128 x 4 RAM, no ROM, 12 IO, 54 instrns., DIL64, ROMless prototyping version of TMS2100

TMS2099 = 64 x 4 RAM, no ROM, 12 IO, 43 instrns., DIL64, ROMless prototyping version of TMS2000
TMS2100 = 128 x 4 RAM, 2048 x 8 ROM, 25 IO, 54 instrns., DIL28, general purpose
TMS2200 = 64 x 4 RAM, 1024 x 8 ROM, 25 IO, 43 instrns., DIL40, general purpose
TMS2300 = 128 x 4 RAM, 2048 x 8 ROM, 23 IO, 54 instrns., DIL40, general purpose

TMS2098 See TMS2000
TMS2099 See TMS2000
TMS2100 See TMS2000
TMS2200 See TMS2000
TMS2300 See TMS2000

TMS3000 FAMILY (Texas Instruments, 4-bit, 1-chip controller, CMOS, +5V, CMOS version of TMS1000 PMOS family; 2nd source = Motorola)
TMS3000 = CMOS version of TMS1000 = TMS1000C
TMS3099 = CMOS version of TMS1099
TMS3200 = CMOS version of TMS1200 = TMS1200C
MC141000 = Motorola CMOS version of TMS1000 = TMS1000C
MC141099 = Motorola CMOS version of TMS1099
MC141200 = Motorola CMOS version of TMS1200 = TMS1200C

TMS3099 See TMS3000
TMS3200 See TMS3000

TMS9900 FAMILY (Texas Instruments, 16-bit, 1-chip CPU, NMOS; 2nd sources = American Microsystems, Standard Micro Systems)
TMS9900 = CPU, 32K addressable, −5/+5/+12V, DIL64, 3MHz clock
TMS9980A = CPU, 8K addressable, −5/+5/+12V, DIL40, 2·5MHz clock
TMS9981 = CPU, 8K addressable, +5/+12V, DIL40, internal clock, 2·5Mhz

TMS9940 FAMILY (Texas Instruments, 16-bit, 1-chip controller, NMOS, +5V, 68 instrns., single-chip version of TMS9900; 2nd source = American Microsystems)
TMS9940E = 128 x 8 RAM, 2048 x 8 EPROM, 33 IO, DIL40, 2·5 MHz, EPROM version of TMS9940
TMS9940M = 128 x 8 RAM, 2048 x 8 ROM, 33 IO, DIL40, 2·5MHz, MROM version of TMS9940
TMS9985 = 256 x 8 RAM, no ROM, DIL40, 2MHz, with different pinout from TMS9940, ROMless prototype development chip

TMS9980 See TMS9900
TMS9981 See TMS9900
TMS9985 See TMS9940
UCOM-8 See 8080
WD-16 See MCP1600
WD-40 See CR1872

Z8 FAMILY (Zilog, 8-bit, 1-chip computer, NMOS, +5V, 129 instrns., internal clock; 2nd source = Synertek)
Z8/40 = 96 x 8 RAM, 2048 x 8 ROM, 32 IO lines, DIL40
Z8/64 = 96 x 8 RAM, no ROM, DIL64, ROMless development prototyping version of Z8, with DIL24 ROM socket on top.
Z8-03MPE = alternate number for Z8/64

Z8-03MPE See Z8
Z8/40 See Z8
Z8/64 See Z8

Z80 FAMILY (Zilog, 8-bit, 1-chip CPU, NMOS, +5V, 158 instrns.; 2nd source = Hitachi, Mostek, NEC, SGS/ATES)
Z80-CPU = CPU for Z80 family, supported by Z80-PIO, Z80-CTC, Z80-DMA and Z80-SIO, 2·5MHz clock frequency, DIL40
MK3880 = Mostek number for Z80-CPU
Z80A-CPU = 4MHz version of Z80-CPU
MK3880A = Mostek 4MHz Z80A-CPU
μPD780 = NEC version of Z80

Z80-CPU See Z80

Z8000 FAMILY (Zilog, 16-bit, 1-chip CPU, NMOS, +5V, 110 instrns.; 2nd sources = Advanced Micro Devices, SGS/ATES)
Z8000(68K) = 64K address reach, DIL40, with support Z8010, 8016, 8030, 8036, 8038, 8050, 8060
Z8000(1M) = 1M extended mem. addr. reach, DIL48, supported by DIL48 MMU 'memory management unit'
Z8001 = Z8000(1M)
Z8002 = Z8000(68K)

Z8001 See Z8000
Z8002 See Z8000
μCOM-42 See μPD545
μCOM-43 See μPD545
μCOM-43C See μPD545
μCOM-44 See μPD545
μCOM-44C See μPD545
μCOM-45 See μPD545
μCOM-45C See μPD545
μCOM-46 See μPD545
μCOM-47 See μPD545

μCOM-87 FAMILY (NEC, 8-bit, 1-chip controller, 1-chip enhanced version of Z80, NMOS, +5V; 2nd source = none)
μPD7800 = CPU, 128 x 8 RAM, no ROM, 48 IO, 125 instrns., ROMless prototype development version of μPD7801, QIL64
μPD7801 = CPU, 128 x 8 RAM, 4096 x 8 ROM, 48 IO, 125 instrns., QIL64

μCOM-87 = NEC name for μPD7800 family

μPD545 FAMILY (NEC, 4-bit, 1-chip controller, PMOS and CMOS; 2nd source = none)

μPD545 = PMOS, −10V, 32 x 4 RAM, 640 x 8 ROM, 21 IO, 72 instrns., ext. clock DIL42, calculator chip

μPD546 = PMOS, −10V, 96 x 4 RAM, 2000 x 8 ROM, 35 IO, 80 instrns., int. clock, DIL42, general purpose (= μCOM-43)

μPD546C = CMOS, +5V, 96 x 4 RAM, 2K x 8 ROM, 35 IO, 80 instrns., int. clock, DIL42, general purpose (= μCOM-43C)

μPD547 = PMOS, −10V, 64 x 4 RAM, 1K x 8 ROM, 35 IO, 58 instrns., internal clock, DIL42, general purpose (= μCOM-44)

μPD547L = low power version of μPD547

μPD548 = PMOS, −10V, 32 x 4 RAM, 1920 x 10 ROM, 35 IO, 72 instrns., external clock, DIL42, cash register chip (= μCOM42)

μPD550 = PMOS, −10V, 32 x 4 RAM, 640 x 8 ROM, 21 IO, 58 instrns., internal clock, DIL28, 35V output, general purpose (= μCOM-45)

μPD550C = CMOS, +5V, 32 x 4 RAM, 640 x 8 ROM, 21 IO, 58 instrns., internal clock, DIL28, 35V output, general purpose (= μCOM-45C)

μPD551 = PMOS, −10V, 96 x 4 RAM, 2K x 8 ROM, 33 IO, DIL42 (= μCOM-46)

μPD555 = PMOS, −10V, 96 x 4 RAM, no ROM, external clock, DIL64, ROMless μCOM-42/μPD548 (= EVACHIP 42)

μPD556 = PMOS, −10V, 96 x 4 RAM, no ROM, external clock, DIL64, ROMless μCOM-43/μPD546 (= EVACHIP 43)

μPD7520 = PMOS, −6 to −10V, 48 x 4 RAM, 768 x 8 ROM, 10 IO, DIL28, 47 instrns., 6-digit display driver

EVACHIP 42 = μPD555

EVACHIP 43 = μPD556

μCOM-42 = μPD548

μCOM-43 = μPD546

μCOM-43C = μPD546, except +5V CMOS

μCOM-44 = μPD547

μCOM-44C = μPD547, except +5V, CMOS

μCOM-45 = μPD550

μCOM-45C = μPD550, except +5V, CMOS

μCOM-46 = μPD551

μCOM-47 = μPD766

μPD546	See μPD545
μPD546C	See μPD545
μPD547	See μPD545
μPD547L	See μPD545
μPD548	See μPD545
μPD550	See μPD545
μPD550C	See μPD545
μPD551	See μPD545
μPD555	See μPD545
μPD556	See μPD545

μPD751 FAMILY (NEC, 4-bit, controller, NMOS, −5/+5/+12V, obsolete; 2nd source = none)

μPD751 = CPU, DIL28

μPD753	See 8080
μPD780	See Z80
μPD7520	See μPD545
μPD7800	See μCOM-87
μPD7801	See μCOM-87

8X300 FAMILY (Signetics-Philips, 8-bit, 1-chip MPU, Schottky TTL, +5V; 2nd source = Fairchild possibly)

N8X300I = CPU chip, 21 instrns., DIL50, with support chips 8T31–33, 35–36, 39, 58 and 8X350

10K Family	Alternate name for MC10800 family
38E70	Short for F38E70
65XX	See MCS6502
70-Series	See SC/MP II
74LS481	Short for SN74LS481
74S481	Short for SN74S481
87C48	See 8048
100K	Alternate name for F100220
300	Short for SMS300
380	Short for M380
545	Short for μPD545
650X	See MCS6502
651X	See MCS502
751	Short for μPD751
780	Short for μPD780
1000	Short for TMS1000
1400	Short for MN1400
1500	Short for MN1500
1600	Short for CP1600, MCP1600 or MN1600
1610	Short for CP1610 or MN1610
1650	Short for PC1650
1802	Short for CDP1802
1803	Short for CDP1803
1804	Short for CDP1804
1806	Short for CDP1806
1872	Short for CR1872
2000	Short for S2000 or TMS2000

2650 FAMILY (Signetics-Philips, 8-bit, 1-chip CPU, NMOS, +5V; 2nd source = National)

2650A = CPU, 75 instrns., DIL40, with support chips 2622, 2636–37, 2641, 2651–53, 2655–56, 2661

2650A-1 = faster version of 2650A
PIP = early name for 2650 = 'Programmable Integrated Processor'

2900 Alternate name for AM2901

2920 FAMILY (Intel, 9-bit, 1-chip, analog-in/analog-out processor, −5/+5V plus 1-2V ref. voltage; 2nd source = none)
2920 = 192 x 24 EPROM, 40 x 25 RAM, DIL28, 9-bit ADC/DAC resolution

3000 FAMILY (Intel, 2-bit slice, multichip CPU, Schottky TTL, +5V; 2nd source = Signetics)
3002 = CPU slice, DIL28, supported by 3001, 3003, 3212, 3214, 3216/26

3002 See 3000
3850 See F8
3859 Short for F3859
3870 Short for MK3870
3872 Short for MK3872
3873 Short for MK3873
3874 Short for MK3874
3876 Short for MK3876
3901 Short for MSM3901

4004 FAMILY (Intel, 4-bit, 1-chip CPU, PMOS, −15V; 2nd source = National)
4004 = CPU, 46 instrns., DIL16, with support 4001-02, 4201, 4269, 4289, 4308
4014 = Calculator-orientated 4-bit PMOS chip, DIL16/DIL24, compatible with 4040 but now obsolete.
MCS-4 = Intel name for 4004 family chip set
FIPS = National Semiconductor version of MCS-4 family

4014 See 4004

4040 FAMILY (Intel, 4-bit, 1-chip CPU, PMOS, −10/+5V; 2nd source = National)
4040 = CPU, 60 instrns. (inc. 4004 instrns.), DIL42, uses 4004 support chips
MCS-40 = Intel name for 4040 family chip set
FIPS = National Semiconductorversion of MCS-40 family

4705 Short for F4705
5701 Short for MMI-5701
5782 Short for MM5782
5799 Short for MM5799
6100 Short for IM6100
6500/1 Short for MCS6500/1
6502 Short for MCS6502
6516 Short for MCS6516
6700 Alternate family name for MMI-5701
6701 Short for MMI-6701
6800 Short for MC6800
6801 Short for MC6801
6802 Short for MC6802
6805 Short for MC6805
6808 Short for MC6808
6809 Short for MC6809
7150 Short for ITT7150
7520 Short for µPD7520
8000 See LP8000 or Z8000

8008 FAMILY (Intel, 8-bit, 1-chip CPU, PMOS, −9/+5V, 48 instrns., 4 IO, predecessor of 8080; 2nd source = none)
8008 = CPU, DIL18
MCS-8 = Intel family name for 8008 composite chip set

8021 See 8048
8022 See 8048
8035 See 8048
8039 See 8048
8041 See 8048

8048 FAMILY (Intel, 8-bit, 1-chip controller, NMOS, +5V; 2nd sources = Advanced Micro Devices, Intersil, National, NEC, RCA, Signetics)
8021 = 64 x 8 RAM, 1024 x 8 ROM, 21 IO, DIL28, 1MHz clock frequency, stripped-down, low-cost version of 8048
8022 = 64 x 8 RAM, 2048 x 8 ROM, 27 IO, DIL40, 1MHz clock frequency, internal 8-bit ADC version of 8048
8035 = 64 x 8 RAM, no ROM, 27 IO, 96 instrns., DIL40, ROMless prototyping version of 8048
8039 = 128 x 8 RAM, no ROM, 27 IO, 90+ instrns., DIL40, ROMless prototyping version of 8049
8040 = ROMless 8050
8041 = 64 x 8 RAM, 1024 x 8 ROM, 18 IO, 90 instrns., DIL40, 1MHz clock frequency, slave peripheral controller
8041A = 2MHz clock frequency version of 8041
8048 = 64 x 8 RAM, 1024 x 8 ROM, 27 IO, 96 instrns., DIL40, 2MHz clock frequency, general purpose
8049 = 128 x 8 RAM, 2048 x 8 ROM, 27 IO, 90+ instrns., DIL40, double-memory version of 8048
8050 = enhanced 8048
8741 = 64 x 8 RAM, 1024 x 8 EPROM, 18 IO, 90 instrns., DIL40, 2MHz clock frequency, EPROM version of 8041
8748 = 64 x 8 RAM, 1024 x 8 EPROM, 27 IO, 96 instrns., DIL40, 2MHz clock frequency, EPROM version of 8048
87C48 = CMOS version of 8748
MCS-48 = Intel name for composite 8048 chip family

8049 See 8048
8050 See 8048
8060 Short for INS8060
8070 Short for INS8070
8072 Short for INS8072

8074 Short for INS8074

8080 FAMILY (Intel, 8-bit, 1-chip CPU, NMOS, −5/+5/+12V, 78 instrns., 2nd sources = Advanced Micro Devices, Hitachi, Mitsubishi, National, NEC, Siemens, Signetics, Texas Instruments)
- 8080 = CPU, DIL40, 2MHz clock frequency
- 8080A = CPU, DIL40, 3MHz clock frequency
- 9080 = Advanced Micro Devices tightened specification version of 8080
- M58710 = Mitsubishi version of 8080 CPU
- μPD753 = DIL42 version of 8080 from NEC
- UCOM-8 = family name for 8080 chip set
- MCOM-8 = family name for 8080 chip set
- MSM3901 = OKI version of 8080 CPU
- MELPS-8 = Mitsubishi name for 8080 family
- MCS-80 = Intel family name for 8080 chip set
- TMP9080A = Toshiba 8080A family CPU
- TLCS-80A = Toshiba 8080A family name

8085 FAMILY (Intel, 8-bit, 1-chip CPU, enhanced 8080, NMOS, +5V; 2nd sources = Advanced Micro Devices, NEC, RCA, Siemens)
- 8085 = CPU, on-chip clock, 80 instrns., 3MHz clock frequency, DIL40
- 8085A = 5MHz clock version of 8085
- MCS-85 = Intel family name for 8085 composite chip set

8086 FAMILY (Intel, 16-bit, 1-chip CPU, NMOS, +5V; 2nd source = Mostek, Siemens)
- 8086 = CPU, DIL40, with support 8259, 8282-84, 8286-88

8088 FAMILY (Intel, 8/16-bit, 1-chip CPU, NMOS, +5V; 2nd source = Mostek, Siemens)
- 8088 = CPU, DIL40, pseudo-16-bit, version of 8086, with support 8259, 8282-84, 8286-88)

8089 FAMILY (Intel, 8/16-bit, 1-chip CPU, NMOS, +5V; 2nd source = Mostek)
- 8089 = CPU, DIL40, pseudo 16-bit, input/output processor, IOP

8096 FAMILY (National Semiconductor, 16-bit, 1-chip CPU, NMOS, +5V)
- 8096 = CPU

8741 See 8048
8748 See 8048
8840 series See MB8840
8900 Short for INS8900
9002 Short for EA9002
9080 See 8080
9400 See F9405
9405 Short for F9405

9440 FAMILY (Fairchild, 16-bit, 1-chip CPU, I2L, +5V; 2nd source = none)
- 9440 = CPU, 42 instrns. from NOVA-1200, DIL40, 8-12MHz clock frequency, Microflame I
- 9445 = CPU, NOVA-3 instrn. set, Microflame II
- Microflame = Fairchild alternate family name for 9440 family

9445 See 9440
9900 Short for TMS9900 or SBP9900
9940 Short for TMS9940
9980 Short for TMS9980
9981 Short for TMS9981
9985. Short for TMS9985
10000 Alternate name for MC10800 family
10800 Short for MC10800
11660 See PPS-4
11806 See PPS-8
12660 See PPS-4
12806 See PPS-8
14500 Short for MC14500
16000 Short for NS16000
29116 Short for AM29116
34705 See F4705
58710 Short for M58710
68000 Short for MC68000
100000 Short for F100220
100220 Short for F100220
141000 Short for MC141000
146805 Short for MC146805

Anhang C

Aanhangsel C

Mikroprozessor-LSI-Chiphersteller (mit Schlüssel)

Microprocessor LSI-chipfabrikanten (met coderingen)

ADM ADVANCED MICRO DEVICES

Advanced Micro Devices Inc., 901 Thompson Place, Sunnyvale, CA94086, USA. (408-732-2400)

Advanced Micro Devices (UK) Ltd, 16 Grosvenor Place, London, SW1X 7HH, UK. (01-235-6380)

Advanced Micro Devices Mikroelektronik GmbH, 8000 Munchen 2, Herzog-Heinrich Str. 3, W. Germany. (089-539588)

AEG AEG-TELEFUNKEN

AEG-Telefunken, S/c, Div., Postfach 1109, 7100 Heilbronn, W. Germany. (17131-8821)

AEG-Telefunken (UK) Ltd, 217 Bath Rd., Slough, Berks SL1 4AW, UK. (0753 872101)

AEG-Telefunken, 570 Sylvan Ave., Englewood Cliffs, NJ 07632, USA. (201-568-8570)

AMI AMERICAN MICROSYSTEMS

American Microsystems Inc., 3800 Homestead Road, Santa Clara, CA95051, USA. (408-246-0330)

AMI Microsystems Ltd, 108A Commercial Road, Swindon, Wiltshire, UK. (Swindon 31345)

AMI Microsystems GmbH, D-8000 Munich 80, Rosenheimer Str., Suite 237, W. Germany. (089-48-30-81)

BUR BURROUGHS

DGC DATA GENERAL

Data General Corp., Route 9, Mail-stop 6-58, Southboro, MA01772, USA. (617-485-9100)

Data General Ltd, Hounslow House, 724-734 London Road, Hounslow, Middlesex, UK. (01-572-7455)

Data General Europe, 61 Rue de Courcelles, Paris, France. (766-51-78)

DIG DIGITAL EQUIPMENT CORPORATION (DEC)

Digital Equipment Corp., Components Group, 1 Iron Way, Marlboro, MA01752, USA (617-481-7400)

Digital Equipment Corp., 81 Route de L'aire. 1211 Geneva 26, Switzerland

Digital Equipment Co, Ltd, Digital House, Kings Road, Reading, Berks, UK. (0734-583555)

ELA ELECTRONIC ARRAYS

Electronic Arrays Inc., 550 E. Middlefield Rd., Mountain View, CA94043, USA. (415-964-4321)

Electronic Arrays, Analog Devices Ltd, Central Avenue, E. Molesey, Surrey, UK. (01-941-0466)

Electronic Arrays GmbH, 8 Munchen 70, Hofmannstrasse 20, W. Germany. (089-7853112)

EMM EMM-SEMI

EMM-SEMI, 2000 W. 14th St., Tempe, AZ, 85281, USA. (602-968-4431)

EMMNV, Europark 11–12, 2700 St. Niklaas, Belgium. (031-76-69-75)

EMM-Electronic Memories Ltd, 92 The Centre, Feltham, Middlesex TW13 4BH, UK. (01-751-1213)

ESI ESSEX

Essex International, 564 Alpha Drive, Pittsburgh, PA 15238, USA. (412-782-0200)

FAS FAIRCHILD

Fairchild Semiconductor, LSI Div., 464 Ellis St., Mountain View, CA94042, USA. (415-962-5011)

Fairchild Camera and Instrument Co. (UK) Ltd., 230 High St., Potters Bar, Herts EN6 5BU, UK. (0707-51111)

Fairchild Semiconductor GmbH, 6200 Wiesbaden 12, Postfach, 9549, Hagenauer Str., W. Germany. (06121-2051)

FER FERRANTI

Ferranti Ltd, Microprocessor Marketing Unit, Western Road, Bracknell, Berks RG12 1RA, UK. (0344-3232)

Ferranti Electric, E. Bethpage, Rd., Plainview, NY11803, USA. (516-293-8383)

FUJ FUJITSU

Fujitsu Ltd, Syuwa Onarimon Bldg, 1-1, Shinbashi 6-chome, Minato-ku, Tokyo 105, Japan. (03-437-2111)

Fujitsu America Inc., 2945 Kifer Rd., Santa Clara, CA95051, USA. (408-727-1700)

Fujitsu, Memec Ltd, Thame Park Ind. Estate, Thame, Oxon., OX9 3RS, UK. (084-421-3146)

GEC GEC

GEC Semiconductors Ltd, East Lane, Wembley, Middlesex, HA9 7PP, UK. (01-904-9303)

GEI GENERAL INSTRUMENT

General Instrument Corp., Microels. Div., 600 W. John St., Hicksville, NY11802, USA. (516-733-3107)

General Instrument Microelectronics Ltd, Regency House, 1/4 Warwick Street, London W1, UK. (01-439-1891)

General Instrument Deutschland GmbH, Nordenstrasse 1A, 8000 Munchen 40, W. Germany. (089-28-40-31)

HAR HARRIS

Harris Semiconductor Div., PO. Box 883, Melbourne, FL32901, USA. (305-724-7400)

Harris, Memec Ltd, Thame Park Ind. Estate, Thame, Oxon., OX9 3RS, UK. (084-421-3146)

Harris Semiconductor, 53 Blvd. de Waterloo, Bte 5, B1000, Brussels, Belgium. (02-428-36-02)

HEW HEWLETT-PACKARD

Hewlett Packard Corp., 640 Page Mill Road, Palo Alto, CA94304, USA. (415-493-1501)

Hewlett Packard Ltd, King Street Lane, Winnersh, Wokingham, Berks., UK. (0734-784774)

Hewlett Packard, GmbH, Bernerstrasse 117, D-6000, Frankfurt 56, W. Germany. (0611-50041).

HIT HITACHI

Hitachi Ltd, Semiconductor Div., 6-2 Otemachi 2-chome, Chiyoda-ku, Tokyo 100, Japan. (03-270-2111)

Hitachi Ltd, Electronic Devices, Sales and Services Div., 707 W. Algonquin Road, Arlington Heights, IL60005, USA. (312-593-7660)

Hitachi Electronic Components (UK) Ltd, Hitachi House, Station Rd, Hayes, Middlesex UB3 4FR, UK. (01-848-8787)

HUG HUGHES

Hughes Aircraft Co., Solid State Products Div., 500 Superior Ave, CA92663, USA. (714-759-2900)

Hughes Microelectronics Ltd, Clive House, 12–18 Queens Road, Weybridge, Surrey UK. (Weybridge 47262)

INL INTEL

Intel Corp., 3065 Bowers Ave, Santa Clara, CA95051, USA. (408-246-7501)

Intel Corp. (UK) Ltd, Broadfield House, 4 Between Towns Road, Cowley, Oxford, OX4 3NB, UK. (0865-771431)

INS INTERSIL

Intersil Inc., 10900 North Tantau Ave, Cupertino, CA95014, USA. (408-996-5000)

Intersil Inc., 8 Tessa Road, Richfield Trading Estate, Reading, Berks., RG1 8ND, UK. (0734-595011)

Intersil Inc., 3 Rue de Marly, 7800 Versailles, France. (01-953-4708)

ITT ITT

ITT Semiconductors, 74 Commerce Way, Woburn, MA01801, USA. (617-935-7910)

ITT Semiconductors, Maidstone Road, Footscray, Sidcup, Kent, DA14 5HT, UK. (01-300-3333)

ITT Semiconductors Group Europe, Ave. Louise 480, 1050 Brussels, Belgium. (02-499-620)

LSI LSI

LSI Computer Systems Inc., 1235 Walt Whitman, Road, Melville, NY11747, USA. (516-271-0400)

MAR MATROX

Matrox Electronic Systems Ltd, 2795 Bates Road, Montreal, Quebec H3S 1B5, Canada. (514-481-6838)

MAS MATSUSHITA-PANASONIC

Matsushita Electronic Corp., 1 Kotari-yakemachi, Nagaokakyo, Kyoto 617, Japan.

Panasonic (Matsushita), 1 Panasonic Way, Secaucus, NJ 07094, USA. (201-348-1276)

Matsushita National Panasonic (UK) Ltd, 107/9 Whitby Road, Slough, Berks., UK. (0753 27516)

MCN MICRO NETWORKS

Micro Networks Corp., 324 Clark St., Worcester, MA 01606, USA. (617-852-5400)

MIC MARUMAN

Maruman Integrated Circuits, 1237 Midas Way, Sunnyvale, CA94086, USA. (408-245-6780)

MIL MITEL

Mitel Semiconductor, 18 Airport Blvd, Bromont, Quebec J0E-1L0, Canada. (514-534-2321)

Mitel Telecomms. Ltd, 1A Albert St, Slough, Berks, SL1 2BL, UK. (0753-28154)

Mitel Semiconductor, 2831 Camino Del Rio So., San Diego, CA 92108, USA. (714-299-4888)

MIT MITSUBISHI

Mitsubishi Electric, Corp., Mitsubishi Denki Bldg, Marunouchi, Tokyo 100, Japan. (03-218-3473)

Melco Sales Inc., 3030 E. Victoria St, Compton, CA 90221, USA. (213-537-7132)

Mitsubishi Semiconductors, Mitsubishi Electric (UK) Ltd, Otterspool Way, Watford, Herts., WD2 8LD, UK.

MMI MONOLITHIC MEMORIES (MMI)

Monolithic Memories Inc., 1165 E. Arques Ave, Sunnyvale, CA 94086, USA. (408-739-3535)

Memory Devices Ltd, Central Ave, East Molesey, Surrey, KT8 0SN, UK. (01-941-1066)

MSC MOS TECHNOLOGY

MOS Technology Inc., Valley Forge Corp., Centre, 950 Rittenhouse Rd, Norristown, PA 19401, USA. (215-66-7950)

MOS Technology, G.R. Electronics Ltd, 80 Church Road, Newport, Gwent, UK. (0633-67426)

MSK MOSTEK

MOSTEK Corp., 1215 W. Crosby Rd, Carrollton, TX 75006, USA. (214-242-0444)

MOSTEK UK Ltd, Masons House, 1–3 Valley Drive, Kingsbury Rd, London NW9, UK. (01-204-9322)

MOSTEK International, 150 Chaussee de la Hulpe, B1170, Brussels, Belgium. (02-660-2568)

MTS MOTOROLA

(Bipolar) Motorola Semiconductor Prod., Div., 5005 E McDowell Rd., Phoenix, AZ 85008, USA. (602-244-6900)

(Mos) Motorola Semiconductor Product Div., 3501 Ed Bluestein Blvd, Austin, TX 78721, USA. (512-928-2600)

Motorola Ltd, Semiconductor Prods. Div., York House, Empire Way, Wembley, Middlesex HA9 0PR, UK. (01-902-8836)

Motorola Inc., Semiconductor Prods. Div., 16 Chemin de la Boie-creuse, 1211 Geneva 20, Switzerland (022-33-56-07)

MUL MULLARD (see Signetics)

NAT NATIONAL SEMICONDUCTOR

National Semiconductor Corp., 2900 Semiconductor Drive, Santa Clara, CA 95051, USA. (408-737-5000)

National Semiconductor (UK) Ltd, 301 Harpur Centre, Horne Lane, Bedford, MK40 1TR, UK. (0234-211262)

National Semiconductor GmbH, 808 Fuerstenfeld-Bruck, Industriestrasse 10, W. Germany. (08-141-1371)

NEC NEC

Nippon Electric Co., Ltd, Internation Elect. Devs. Div., 33-1, Shiba Gochome, Minato-ku, Tokyo 108, Japan, (Tokyo 454-1111)

NEC Microcomputers Inc., 173 Worcester St, Wellesley, MA 02181, USA. (617-237-1910)

NEC Electronics (Europe), 43 Civic Square, Motherwell, ML1 1TH, UK. (0698-69121)

NEC Electronics (Europe), GmbH, Karlstrasse 123–127, 4000 Dusseldorf 1, W. Germany. (0211-360971)

PAN PANAFACOM

Panafacom Ltd, 10-16 Jiyugaoka, 2-chome, Meguro-ku, Tokyo 152, Japan. (03-718-3351)

Panasonic (see Matsushita-Panasonic)

PHI PHILIPS

N.V. Philips Gloeilampenfabriken, Products Div., Elcoma, Bldng. BA, Eindhoven, Holland, (040-79-1111)

PLE PLESSEY

Plessey Microsystems, Water Lane, Towcester, Northants., NN12 7JN, UK. (0327-50312)

Plessey Microsystems, 1641 Kaiser Ave., Irvine, CA 92714, USA. (714-540-9931)

Plessey GmbH, 8 Munchen 40, Motorstrasse 56, W. Germany. (089-351-6021)

RAY RAYTHEON

Raytheon Co., Semiconductor Div., 350 Ellis St., Mountain View, CA 94042, USA. (415-968-9211)

Raytheon Semiconductor, The Pinnacles, Harlow, Essex, CM19 5BB, UK. (0279-419310)

Raytheon Halbleiter GmbH, European HQ, Thalkirchnerstrasse, 74, D-8000 Munich 2, W. Germany. (089-539693)

RCA RCA

RCA Solid State Div., Box. 3200, Route 202, Somervi ∂, NJ 08876, USA. (201-485-6462)

RCA Ltd, Solid State-Europe, Windmill Road, Sunbury-on-Thames, Middx. TW16 7HW, UK. (04106-2001)

ROK ROCKWELL

Rockwell International Corp., Microels. Dev. Div., Box 3669, 3310 Miraloma Ave., Anaheim, CA 92803, USA. (714-632-3729)

Rockwell International, Fraunhoferstrasse, 11, 8033, Munchen-Martinsried, W. Germany. (089-859-9575)

Rockwell, Pelco (Electronics) Ltd, 83-85 Western Rd, Hove, Sussex BN3 1JB, UK. (0273-722155)

SMS SCIENTIFIC MICRO SYSTEMS (SMS)

Scientific Micro Systems Inc., 520 Clyde Ave, Mountain View, CA 94043, USA. (415-964-5700)

SMS, Memec Ltd, Thame Park Ind. Estate, Thame, Oxon., OX9 3RS, UK. (084-421-3146)

SGS SGS-ATES

SGS-ATES Componenti Elettronica Spa, Via C Olivetti 1, 20041 Agrate-Brianza, Milano, Italy. (039-65341)

SGS/ATES (UK) Ltd, Planar House, Walton St, Aylesbury, Bucks., UK. (0296-5977)
SGS-ATES Semiconductor Corp., 79 Massasoit St, Waltham, MA 02154, USA. (617-3710)

SIE SIEMENS
Siemens AG, Richard-Strauss-strasse 76, Postfach 202109, 8000 Munchen 2, W. Germany. (089-9221-1)
Siemens Corp., 186 Wood Ave, South Iselin, NJ 08830, USA. (201-494-1000)
Siemens Ltd, Siemens House, Windmill Road, Sunbury-on-Thames, Middx, TW16 7HS, UK. (09327-85691)

SIG SIGNETICS-PHILIPS
Signetics Corp., 811 E. Arques Ave, Sunnyvale, CA 94086, USA. (408-739-7700)
Signetics, Mullard, Ltd, Mullard House, Torrington Place, London, WC1E 7HD, UK. (01-580-6633)
Signetics GmbH, D-7 Stuttgart 80, Ernst-haldenstr. 17, W. Germany. (0711-73-50-61)

SSC SOLID STATE SCIENTIFIC
Solid State Scientific Inc., Montgomeryville Ind. Park, Montgomeryville, Pa 18936, USA. (215-855-8400)
SSC Semiconductor Ltd, Short St, High Wycombe, Bucks., HP11 2QH, UK. (0494-36381)

STM STANDARD MICROSYSTEMS
Standard Microsystems Corp., 35G Marcus Boulevard, Hauppage, NY 11787, USA. (516-273-3100)
Rastra Electronics, 275-281 King St, Hammersmith, London W6 9NF, UK. (01-748-3143)

SYN SYNERTEK
Synertek Inc., 3001 Stender Way, Santa Clara, CA 95051, USA. (408-988-5600)
Synertek, Memec Ltd, Thame Park Ind. Est., Thame, Oxon., OX9 3RS, UK. (084-421-3146)

TEL TELEDYNE
Teledyne Semiconductor, 1300 Terra Bella Ave, Mountain View, CA 94043, USA. (415-968-9241)
Teledyne Semiconductor, Heathrow House, Bath Road, Cranford, Hounslow, Middlesex, TW5 9QP, UK. (441-897-2501)

TII TEXAS INSTRUMENTS
(Bipolar) Texas Instruments Inc., Bipolar Dig. Cct. Div., Houston, TX 77001, USA. (713-491-5115)
(MOS) Texas Instruments Inc., MOS Prods Div., Houston, TX 77001, USA. (713-776-6511)
Texas Instruments, Manton Lane, Bedford, MK41 7PA, UK. (0234-67466)
Texas Instruments Deutschland GmbH, Haggerty-strasse 1, 8080 Freising, W. Germany. (08161/80-1)

THC THOMSON-CSF
Thomson CSF Semiconductor Div., 50, Rue Jean-Pierre Timbaud, BP120, 92403 Courbevoe, France. (01-788-50-51)
Thomson-CSF UK Ltd, Ringway House, Bell Rd, Daneshill, Basingstoke, Hants, RG24 0QG, UK. (0256-29155)

TOS TOSHIBA
Tokyo Shibaura Ltd, Semicon. Div., 2-Iginza, 5-chome Chou-ku, Tokyo, Japan. (571-5711)
Toshiba (UK) Ltd, Toshiba House Frimley Rd, Frimley, Camberley, Surrey, GU16 5JJ, UK. (Camberley 62222)
Toshiba America OEM Div., 5235 N. Elston Ave, Chicago, IL 60630, USA. (312-545-5123)

TRW TRW
TRW, LSI Prods. Div., Box 1125, Redondo Beach, CA 90278, USA. (213-535-1831)
TRW, MCP Electronics, Station Wharf, Alperton, Wembley, Middx., HA0 4PE, UK. (01-902-5941)

WDC WESTERN DIGITAL
Western Digital Corp., 3128 Red Hill Ave, Newport Beach, CA 92663, USA. (714-557-3550)

ZLG ZILOG
Zilog Inc., 10460 Bubb Rd, Cupertino, CA 95014, USA. (408-446-4666)
Zilog (UK) Ltd, Babbage House, King Street, Maidenhead, Berks, UK. (0628-36131)

Anhang D

Aanhangsel D

Halbleiter-LSI-Technologien (mit Schlüssel)

Halfgeleider LSI-technologieën (met coderingen)

BIP	**Bip**olar
CCD	**C**harge **C**oupled **D**evice (MOS)
CDIB	**C**ollector **D**iffusion **I**solation, **B**ipolar
CMOS	**C**omplementary **MOS**
ECL	**E**mitter **C**oupled **L**ogic (BIP)
ESFI	**E**pitaxial **S**ilicon **F**ilm on **I**nsulator (NMOS)
FAMOS	**F**loating **A**valanche-gate **MOS**
HMOS	**H**igh-speed **MOS** (Small geometry) (Also **H**igh-density or **H**igh-performance)
I2L	Integrated-injection logic (Integrated = **I** × Injection = **I**, logic = **L** gives **I2L**)
I3L	**I**soplanar **I**ntegrated **I**njection **L**ogic
LSTB	**L**ow-power **S**chottky **T**TL, **B**ipolar
MBM	**M**agnetic **B**ubble **M**emory
MNOS	**M**etal- **N**itride- **O**xide on **S**ilicon (MOS)
MOS	**M**etal **O**xide **S**ilicon Field-effect Transistor
NMOS	**N**- channel **MOS**
PMOS	**P**- channel **MOS**
SOS	**S**ilicon- **O**n- **S**apphire MOS
STLB	**S**chottky **T**TL **B**ipolar
TTLB	**T**ransistor-**T**ransistor **L**ogic, **B**ipolar
VMOS	**V**ertical (or **V**-groove) **MOS**

Anhang E

Mikroprozessor-chip-Gehäuse (mit Schlüssel)

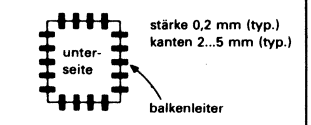
In den Datentabellen sind die IS-Gehäuse durch einen vierteiligen Code gekennzeichnet. Für jeden Code findet man in diesem Anhang das entsprechende Diagramm. Beispiel: Die Angabe DIL-12/1P teilt sich folgendermaßen auf:

DIL-	12	/1	P
(1)	(2)	(3)	(4)
Gehäuseform	Anzahl der Anschlüsse (einschließlich der leeren)	Seriennummer der Gehäusevariante	Hauptmaterial

(1) Gehäuseformen:
- BML: beam lead/Balkenleiter
- CFL: flip chip/einlötbares Chip
- CHP: chip/Chip
- DIL: dual-in-line/zweireihig
- DIM: modified dual-in-line/modifiziert zweireihig
- FLP: flatpack/Flachgehäuse
- QIL: quad-in-line/vierreihig
- TO5: TO5-Gehäuse
- TO8: TO8-Gehäuse
- XTR: speziell

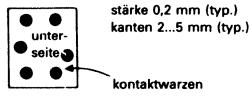
(4) Hauptmaterial:
- C: Keramik
- G: Glas
- M: Metall
- P: Kunststoff
- Q: Quarzfenster

BML (Beam lead chip)



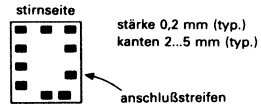
weitere einzelheiten im datenblatt des herstellers

CFL (Flip chip)



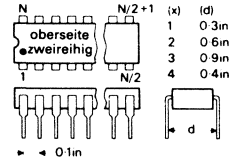
weitere einzelheiten im datenblatt des herstellers

CHP (Chip-face up)

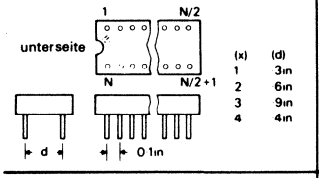


weitere einzelheiten im datenblatt des herstellers

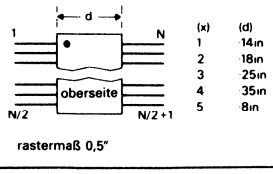
DIL-N/X (Dual-in-line)



DIM-N/X (Modified dual-in-line)

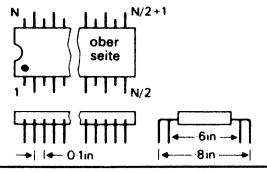


FLP-N/X (Flat pack)

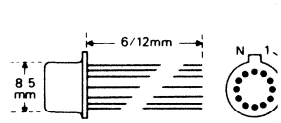


rastermaß 0,5"

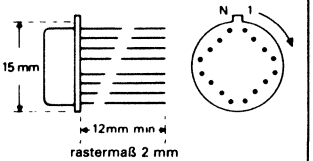
QIL-N/1 (Quad-in-line)



TO5-N/1 (TO5 can)



TO8-N/1 (TO8 can)



rastermaß 2 mm

XTR (Special)

kein standardgehäuse -
siehe datenblatt des herstellers

Aanhangsel E

Microprocessor-omhullingen (met coderingen)

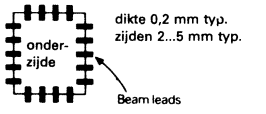
In de tabellen worden de IC-omhullingen aangegeven met een vierdelige code. Voor elk van deze coderingen zijn in dit aanhangsel de bijbehorende schema's gegeven.
Ter illustratie: DIL-12/1P valt uiteen in vier delen:

DIL-	12	/1	P
(1)	(2)	(3)	(4)
(Omhulling)	(Aantal, ook niet aangesloten pennen)	(Serienummer van de variant van de omhulling)	(Voornaamste omhullingsmateriaal)

(1) omhullingstype
BML = Beam Lead
CFL = flip chip
CHP = Chip
DIL = Dual in line
DIM = Modified dual in line
FLP = Flat pack
QIL = Quad in line
TO5 = Metalen TO5 omhulling
TO8 = Metalen TO8 omhulling
XTR = Speciaal

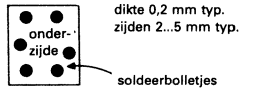
(4) Voornaamste omhullingsmateriaal)
C = Keramisch
G = Glas
M = Metaal
P = Plastic
Q = Kwarts-venster

BML (Beam lead chip)



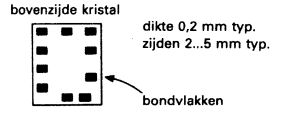
voor details zie publikatie van de fabrikant

CFL (Flip chip)



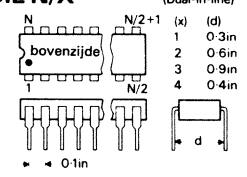
voor details zie publikatie van de fabrikant

CHP (Chip-face up)

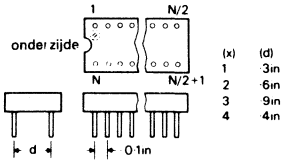


voor details zie publikatie van de fabrikant

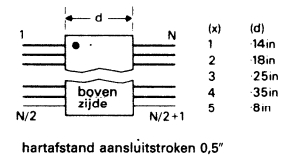
DIL-N/X (Dual-in-line)



DIM-N/X (Modified dual-in-line)

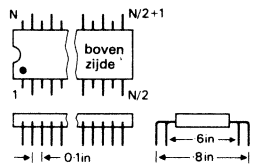


FLP-N/X (Flat pack)

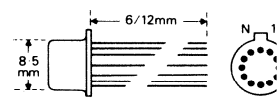


hartafstand aansluitstroken 0,5"

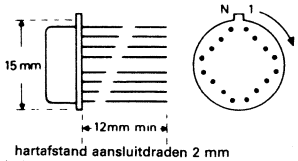
QIL-N/1 (Quad-in-line)



TO5-N/1 (TO5 can)



TO8-N/1 (TO8 can)



hartafstand aansluitdraden 2 mm

XTR (Special)

niet standaard omhulling;
raadpleeg publikaties
van de fabrikant

Anhang F

Aanhangsel F

Herstellereigene Schlüssel

Coderingen van fabrikanten

Von verschiedenen Herstellern (Anhang C) am Anfang ihrer Typnummern verwendete Kennzeichen.

Voorvoegsels van typenummers met de fabrikantencodering van aanhangsel C.

A = ROK
AM = ADM
AMS = ADM
AY = GEI
B = INL
C = INL/ADM
CCD = FAS
CD = RCA
CDP = RCA
CDPR = RCA
CM = INL
CP = GEI
CRT = STM
D = INL
DM = NAT
DP = NAT
DS = ADM
EA = ELA
EMM = EMM
ER = GEI
F = FAS/FER
FD = WDC
GFB = THC
GXB = PHI
GZF = PHI
H = INL
HD = HIT
HEF = PHI
HM = HAR/HIT
HN = HIT
HYB = SIE
I = INL
ICL = INS
ICM = INS
ID = INL
IDM = NAT
ILE = NAT
IM = INS/ADM
IMP = NAT
INS = NAT
IOB = GEI
IPS = NAT
ISP = NAT
ITT = ITT
L = ELA
LP = GEI
LS = LSI
M = SGS/INL/PHI/FAS/ MIT/MTA
MB INL/FUJ
MBM = FUJ
MC = MTA/INL
MCC = MTA
MCM = MTA
MCS = MSC
MD = INL/MIL
MH = ADM
MK = MSK
MM = MTA/ROK/ADM
MMH = ADM/MTA
MMI = MMI
MMIL = MMI
MN = DGC/MAS
MP = SIG
MPQ = MTA
MPS = MSC
MPY = TRW
MUX = GEI
MW = RCA
MWS = RCA
N = SIG/PHI
NSC = NAT
P = INL
PACE = NAT
PIC = GEI
PPS = ROK
R = ROK/RAY
RA = GEI
RC = ROK
RO = GEI
S = SIG/AMI
SAB = SIE
SBP = TII
SC/MP = NAT
SEMI = EMM
SFC = THC
SFF = THC
SL = FAS
SMC = TII
SN = TII
SY = SYN
SYC = SYN
SYP = SYN
T = TOS
TBM = TII
TC = TOS
TCP = TOS
TD = TOS
TDC = TRW
TDP = TOS
TIM = TII
TMM = TOS
TMP = TOS
TMS = TII
UC = WDC
WF = WDC
XC = MTA
XL = MIC
Z = ZLG/SGS/MSK
ZN = FER
µCOM = NEC
µPB = NEC
µPC = NEC
µPD = NEC
8T = FAS/SIG
8X = SIG
21F = PHI
21L = PHI/FAS
25L = SIG
29LS = MMI
54LS = FAS/ADM/SIG
54S = ADM
74LS = FAS/ADM/SIG
74S = SIG/ADM
81LS = NAT
82S = ADM
93L = FAS

Anhang G

Glossar der Mikroprozessorbegriffe

Accumulator (Akkumulator): Register, das als Zwischenspeicher für Summen und andere arithmetischen Operationen einer arithmetisch-logischen Einheit (ALU) dient.
Algorithmus: Ein klar definierten Satz von Verfahren und Regeln zur Lösung eines Problems; genannt nach dem Araber Al-Kuwariymi, der im 9. Jahrhundert lebte.
ALU, arithmetic-logic unit (arithmetisch-logische Einheit): Ein Teil der Zentraleinheit (CPU), der arithmetische, logische und verwandte Operationen durchführt; bildet zusammen mit Speicher und Steuerung eine komplette Zentraleinheit.
Architektur: Organisation eines Mikrocomputersystems, d.h. wieviele Register, Speicherverteilung, Softwarebefehle, Arbeitsgeschwindigkeit, usw.
ASCII, American Standard Code for Information Interchange: Der populärste Code zur Darstellung von alphanumerischen Zeichen; meist nur nach der Abkürzung genannt und 'aski' ausgesprochen.
Assembler: Rechnerprogramm (Softwareroutine), das mnemonische (von Menschen lesbare) Programmanweisungen (Quellencode) in Maschinensprache (Objektcode) übersetzt.
Assembler- bzw. Übersetzungsprotokoll: Durch den Assembler ausgegebener Ausdruck, der Zeile für Zeile zeigt, wie das Assemblerprogramm interpretiert wird.
Assemblersprache: Programmiersprache, die Befehle symbolisch (mnemonisch) darstellt und durch den Assembler in Maschinensprache übersetzt wird.
Asynchroner Betrieb: Arbeitsweise des Schaltnetzwerkes, wobei das Ende eines Befehls den nächsten auslöst; es wird kein gemeinsamer Zeitgeber (Takt) verwendet.
Backplane (Rückwandplatine): Die Stecker und Verdrahtung, welche die meisten oder alle Zwischenverbindungen eines Systems darstellen.
BASIC: Programmiersprache, die einfache Worte, Abkürzungen und geläufige Mathematische Symbole zur Durchführung von arithmetischen und logischen Operationen verwendet.
BAUD: Maßangabe für die serielle Datenübertragungsgeschwindigkeit; manchmal Bit pro Sekunde (bps).
Benchmark (Bewertungsprogramm): Ein häufig verwendetes Programm (Routine), um verschiedene Mikrocomputer vergleichen und beurteilen zu können.
BIT: Abkürzung für binäres Zeichen ('binary digit'); die kleinste Dateneinheit eines Mikrocomputers.
Blockschaltbild: Diagramm eines Systems, das die verschiedenen Funktionseinheiten sowie ihr Zusammenwirken über Daten- und Steuerwege darstellt.
Bootstrapprogramm (Urlader): Kurzprogramm, das permanent in einem Lesespeicher eines Mikrocomputers gespeichert ist und manuell betätigt wird, um die Eingabe externer auf Magnetbank, Lochstreifen, usw. festgehaltener Programme einzuleiten.
Breakpoint (Haltepunkt): Ein spezieller Punkt in einem Programm, an dem die Ausführung des Programms unterbrochen werden kann, um Sichtkontrollen, Ausdruck und ähnliche Prüfungen vor der weiteren Ausführung zu ermöglichen.
Buffer (Puffer): Eine Trennstelle, die zwischen anderen Elementen eingesetzt wird, um Wechselwirkungen zu verhindern, Impedanzen anzupassen, die Übertragungsleistung zu erhöhen, den Informationsfluß zu verzögern, usw.
Bus: Ein oder mehrere Leiter, über die Informationen zwischen den einzelnen Elementen eines Mikrocomputers übertragen werden.
Bus driver (Bustreiber): Schaltung zur Verstärkung der über einen Bus übertragenen Signale, um sicherzustellen, daß sie unverfälscht ankommen.
Byte: Eine bestimmte Anzahl aufeinanderfolgender Bits, die durch einen Mikrocomputer als eine Einheit behandelt wird; under Byte versteht man heutzutage (auch wenn nicht ganz richtig) eine 8-Bit-Gruppe.
Central processing unit, CPU (Zentraleinheit): Teil eines Mikrocomputers, der die Schaltkreise enthält, welche die Interpretation und Ausführung der Programmbefehle steuern.
Character (Zeichen): Bestandteil eines Satzes aus alphabetischen, numerischen oder grafischen Symbolen; jedes Zeichen wird durch den eigenen Binärcode dargestellt.
Chip: Ein häufig verwendeter Begriff zur Kennzeichnung eines kompletten integrierten Schaltkreises in einem Gehäuse.
Clock (Takt, Taktgeber): Impulsgenerator, der sich wiederholende Signale zur Synchronisierung aller Operationen eines Mikrocomputersystems abgibt.
COBOL, Common Business-oriented Language: Programmiersprache für kaufmännische Aufgaben.
Code: I) Sprache, in der ein Code geschrieben wird; II) Übersetzung oder Darstellung von Befehlen in einer Sprache.

Compiler (Übersetzer): Rechnerprogramm zur Übersetzung eines in einer höheren Sprache (z.B. Fortran) festgelegten Programms in ein computerorientiertes Assembler- bzw. Maschinenprogramm.
Condition code (Bedingungscode): Eine Gruppe von Programmbedingungen (z.B. Übertrag, Entnahme, Überlauf), die für die Ausführung von Befehlen besonders wichtig sind.
Console (Konsole): Bedienfeld oder -station in einem Rechnersystem.
Control bus (Steuerbus): Bus, der Signale zur Steuerung der Arbeitsweise eines Mikrocomputersystems (intern und extern) übermittelt.
CPU: siehe 'Central processing unit'.
CROM, control read-only memory (Steuer-Lesespeicher): Lesespeicher, der zur Decodierung der Steuerlogik mikroprogrammiert ist.
Cross-Assembler: Rechnerprogramm, das in symbolischer Sprache an einem Rechner assemblierte Programme in Maschinensprache-Programme übersetzt, die an einem anderen Rechner laufen können.
Current loop (Stromschleife): Datenübertragungsleitung, auf der das Vorhandensein bzw. Nichtvorhandensein eines elektrischen Stromes zur Darstellung der Sendedaten verwendet wird.
Daisy chain (Verkettung): Verkettung von Unterbrechungsprioritäten, wobei das Signal seriell von einem Gerät zum nächsten abgefragt wird.
Data buffer (Zwischenspeicher): Baustein in einer Zentraleinheit oder einem Peripheriegerät zur vorübergehenden Speicherung von Daten, die mit verschiedenen Ein-/Ausgabegeschwindigkeiten empfangen bzw. gesendet werden können.
Data pointer (Zeiger): Register, dat die Speicheradresse der Daten (Operand) enthält, die durch einen Befehl verwendet werden sollen.
Datenbus: Bus, der Daten in beiden Richtungen (bidirektional) zwischen der Zentraleinheit, den Speichern und den Peripheriegeräten (d.h. intern und extern) überträgt.
Debug (Fehler suchen): Fehler in Programmen identifizieren, untersuchen und beseitigen.
Debug program (Fehlersuchprogramm): Eind spezielles Programm, das dem Programmierer bei der Lokalisierung und Beseitigung von Fehlern in einem laufenden Programm hilft.
Dedicated (zweckorientiert): Einen Mikrocomputer, der nur für einen einzigen speziellen Anwendungsfall programmiert ist, nennt man 'dedicated'.
Development tool (Entwicklungshilfsmittel): Hardwaregerät, Softwareprogramm oder eine Kombination aus beiden als Unterstützung bei der Konstruktion oder Entwicklung eines Systems.
Device (Baustein): Ein verarbeitender Teil eines Computersystems, der außerhalb von der Zentraleinheit ist; manchmal gleichbedeutend mit Peripheriegerät.
Diagnostic program (Diagnoseprogramm): Programm zur Überprüfung der verschiedenen Hardwareteile eines Mikrocomputers (z.B. Zentraleinheit, Speicher, Anzeige) auf richtige Funktionsweise.
DIL, dual-in-line: Die gängigste Gehäuseart für Mikrocomputerchips.
DMA, direct memory access (direkter Speicherzugriff): Methode des direkten Zugriffs zum Hauptspeicher, bei der eine Datenübernahme ohne Mitwirken der Zentraleinheit erfolgt.
Dynamic memory (dynamischer Speicher): Speicher, der Daten in Form von kapazitiven Ladungen enthält und daher wiederholtes Auffrischen (Auslesen und erneutes Einlesen) zur Erhaltung des gespeicherten Inhalts erfordert.
EAROM, electrically alterable read-only memory (elektrisch veränderbarer Lesespeicher): Eine spezielle Art Lesespeicher, bei der die Daten elektrisch gelöscht und neu eingeschrieben werden können.
EBCDIC, Extended Binary-coded-decimal Interchange Code: Standardcode, dessen Zeichenvorrat aus 8-Bit-Zeichen besteht; besonders in IBM-Geräten verwendet.
Editor: Mikrocomputerprogramm zur Erstellung von Quellenprogrammen; auch Texteditor oder Lochstreifeneditor genannt.
Emulator: Programm (oder auch Hardwaregerät), welches das Kopieren des Befehlsvorrates eines bestimmten Rechners an einem anderen Rechner ermöglicht, so daß die Programmentwicklung für einen Rechner erfolgen kann, ohne daß der Rechner selbst vorhanden sein muß.
Enable (Freigabe): Signalzustand, der den Ablauf eines bestimmten Datenverarbeitungsverfahrens einleitet.
Execute (ausführen): Einen Rechnerbefehl erledigen, ein Rechnerprogramm durchführen.
Fetch (Abruf): Das Auslesen eines Befehls aus dem Hauptspeicher und das Einlesen in den Arbeitsspeicher.
File (Datei): Ansammlung von Datengruppen, die einem

bestimmten Zweck dienen; eine Datei kann verschiedene Hardwareausführungen haben, z.B. Platte, Kassette, Magnetband, Lochstreifen, Halbleiterspeicher, usw.

Firmware: Programmbefehle, die permanent in einem Lesespeicher gespeichert sind.

Flag bit (Kennzeichenbit): Informationsbit, das auf eine spezielle Bedingung hinweist, z.B. Überlauf, Übertrag, Unterbrechung.

Flatpack (Flachgehäuse): Gehäuseform für integrierte Schaltkreise, bei der die Anschlüsse radial auf der gleichen Ebene wie das Gehäuse liegen; nützlich zur Erzielung hoher Packungsdichte.

Flowchart (Flußdiagramm): Diagrammatische Darstellung des schrittweisen Ablaufs eines Rechnerprogramms unter Verwendung von Symbolen, Richtungszeichen und anderen Mitteln.

Format: Anordnung von Datenelementen zur Bildung einer größeren Einheit wie z.B. Datei, Liste, Tabelle.

Fortran, Formula Translator: Höhere Programmiersprache für technische und wissenschaftliche Aufgaben.

Fusible link ROM (Lesespeicher mit Schmelzbrücken): Programmierbarer Lesespeicher, in dem die Bitmuster durch das Durchbrennen entsprechender Schmelzbrücken hergestellt werden.

General register (Mehrzweck- oder Universalregister): Internes adressierbares Register einer Zentraleinheit, das für verschiedene Zwischenspeicherungszwecke verwendet werden kann.

Hardcopy (Dokumentation, Protokoll): Ausgabe von einem Rechner in permanenter gedruckter Form.

Hardware: Die materiellen 'harten' Teile eines Rechnersystems.

Hard-wired logic (festverdrahtete Logik): Logische Schaltkreise, die für die Erfüllung einer bestimmten Funktion permanent miteinander verdrahtet sind.

High-level language (höhere Programmiersprache): Programmiersprache, die Symbole und Anweisungen verwendet, welche vom Benutzer gelesen werden können; problemorientiert und unabhängig vom Computertyp, an dem das Programm läuft.

IC, integrated circuit (IS, integrierter Schaltkreis): Festkörper-Mikroschaltkreis, der aus miteinander verbundenen aktiven und passiven Bauelementen besteht, die in eine einzige Siliziumscheibe (Chip) diffundiert sind (auch monolithischer IS genannt).

Input/output, I/O (Ein-/Ausgabe, E/A): Allgemeine Bezeichnung der Geräte und/oder Daten, die eine Verbindung zwischen der Zentraleinheit und der Außenwelt herstellen.

Instruction (Befehl): Eine Information, die eine Rechenoperation und deren Operanden definiert.

Instruction cycle (Befehlszyklus): Die benötigte Zeit, um einen Befehl vom Speicher abzurufen und ihn auszuführen.

Instruction lenght (Befehlslänge): Die Anzahl der zur Speicherung eines Befehls erforderlichen Bytes.

Instruction set (Befehlsvorrat): Die gesamten Befehle, die ein Mikroprozessor auszuführen vermag.

Interpreter (Übersetzer): Programm, das in einer höheren Sprache geschriebene Befehle abruft und sie unmittelbar ausführt.

Interrupt (Unterbrechung): Verfahren, nach dem das laufende Programm vorübergehend aufgehalten und ein Alternativ-programm ausgeführt wird, ehe dann das Originalprogramm vom Unterbrechungspunkt an weitergeführt wird.

Interrupt latency (Unterbrechungswartezeit): Verzögerung zwischen der Unterbrechungsforderung und der Quittierung der Anforderung.

Interrupt mask, interrupt enable (Unterbrechungsmaske oder -freigabe): Schaltung, die es dem Programm ermöglicht, Unterbrechungsanforderungen anzunehmen oder abzulehnen.

Interrupt service routine (Unterbrechungs-Serviceprogramm): Programm, das I) den Zustand verschiedener CPU-Register abspeichert, II) das durch die Unterbrechung bedingte Programm ausführt, III) die Zentraleinheit in den gleichen Zustand wie vor der Unterbrechung zurückstellt, IV) das unterbrochene Programm wieder aufnimmt.

Interrupt vector (Unterbrechungsvektor): Zwei Speicherstellen, die einem unterbrechenden Gerät zugeordnet werden und eine Startadresse sowie ein Statuswort für das Serviceprogramm enthalten.

I/O controller (Ein-/Ausgabesteuerung): Steuerelektronik für die Schnittstelle zwischen einem E/A-Baustein und der Zentraleinheit.

I/O port (Ein-/Ausgabetor): Datenübertragungsweg zwischen einer Zentraleinheit und externen Geräten (z.B. Tastatur, optische Anzeige); es gibt Eingabe-, Ausgabe- und bidirektionale Tore.

Library (Bibliothek): Sammlung der vollständigen Pro-

gramme, die es für einen bestimmten Mikrocomputer gibt.

Loader (Lader): Programm, das ein Programm von einem Eingabegerät in den Arbeitsspeicher (meistens RAM) des Mikrocomputers einliest.

LSI, large-scale integration (Integration großen Maßstabes): Integrierte LSI-Schaltkreise für logische Funktionen enthalten 1000 bis 10 000 Gatter pro Chip.

Machine code, machine language (Maschinensprache): Numerische Darstellung jedes Bits von sämtlichen Befehlen eines Programms, um den endgültigen binären Programmcode zu erzeugen, mit dem ein Mikrocomputer unmittelbar arbeitet.

Macro, macroinstruction (Makrobefehl): Programm, das aus eine Kette von zusammengehörigen Standardbefehlen besteht, die durch ein einziges Makrokommando in Betrieb gesetzt werden.

Mass storage (Großspeicher): Eine periphere Speichereinheit großer Kapazität, z.B. Magnetplatte, Magnetband.

Memory (Speicher): Allgemeine Bezeichnung für die internen Mittel, die Daten, Programme oder andere für den Betrieb eines Mikrocomputers erforderlichen Informationen aufbewahren.

Microcomputer (Mikrocomputer): Ein vollständiges Mikroprozessorsystem mit Speichern, usw.

Microfloppy (Mikrodiskette): Eine sehr kleine (< 125 mm Durchmesser) flexible Magnetplatte zur Speicherung von Daten.

Microprocessor (Mikroprozessor): Einziges IS-Chip (manchmal Chipsatz), das den Zentralprozessor eines Rechners darstellt.

Microprogrammable computer (mikroprogrammierbarer Computer): Mikrocomputer, in dem der Befehlssatz durch Veränderung eines speziellen Lesespeichers ('Microm') geändert werden kann.

Microtutor: Billiger und in sich abgeschlossener Mikrocomputer zum Erlernen des praktischen Umgangs mit Mikrocomputern.

Minifloppy (Minidiskette): Eine kleine (ca. 130 mm Durchmesser) flexible Magnetplatte zur Speicherung von Daten.

Mnemonic code (mnemonischer Code): Programmiersprache, in der Namen abgekürzt und durch mnemonische Symbole ausgedrückt sind (Buchstabengruppen, die auf die Bedeutung eine Befehls hinweisen); oft Gedächtniscode genannt.

Modem (Modulator/Demodulator): Baustein oder Gerät zur Verbindung einer Datenverarbeitungsanlage mit einer Übertragungsleitung.

Monitor (Überwachungsprogramm); Übergeordnetes System zur Steuerung eines Programms sowie der E/A-Aufgaben.

MPU, microprocessing unit (Mikroprozessoreinheit): Eine andere Bezeichnung für die Zentraleinheit (CPU).

MSI, medium-scale integration (Integration mittleren Maßstabes): Integrierte MSI-Schaltkreise für logische Funktionen enthalten 100 bis 1000 Gatter pro Chip.

Multiplexing (Multiplexbetrieb): Die gleichzeitige Übertragung von mehreren Signalen über eine einzige Leitung, einen einzigen Kanal, usw.

Multiprocessing (Simultanverarbeitung): Die gleichzeitige Verarbeitung mehrerer Programme durch einen Computer, der mehrere Zentraleinheiten und einen gemeinsamen Speicher enthält.

Nibble: Eine 4-Bit-Gruppe, die als eine Einheit verarbeitet wird.

Nonvolatile memory (nichtflüchtiger Speicher): Speicher, der seine Daten auch bei einem Stromausfall bzw. im abgeschalteten Zustand eines Systems nicht verliert.

Object program (Objektprogramm): Binäre Form eines Quellenprogramms, die durch einen Assembler oder Compiler (Übersetzer) erzeugt wird.

Op-code, operating code (Operationscode): Quellenanweisung, die nach dem Assemblieren den Maschinencode bildet.

Operating system (Betriebssytem): Struktur aus Softwareroutinen zur Steuerung der Programmabläufe eines Mikrocomputers.

Page (Seite): Natürliche Gruppierung der Speicherplätze durch übergeordnete Adressenbits.

Parallel operation (Parallelbetrieb): Die gleichzeitige Verarbeitung aller Bits eines Wortes bzw. Bytes durch die Übertragung über getrennte Kanäle bzw. Busleitungen.

Peripheral (Peripheriegerät): Externes Gerät, das Daten einem Mikrocomputer zuführt bzw. von ihm empfängt.

Pointer (Zeiger): Register einer Zentraleinheit, welche Speicheradressen aufbewahren ; auch Befehls- oder Programmzähler genannt.

Polling (Aufrufbetrieb): Sukzessives Abfragen der Peripheriegeräte durch die Zentraleinheit, um festzustellen, ob eine Serviceanforderung vorliegt.

Port (Tor): Elektrische Anschlüsse, die den Verbindungs-

weg zwischen einem Mikroprozessor und der Außenwelt darstellen.

Program (Programm): Sämtliche Rechenbefehle in geeigneter Reihenfolge zur Lösung eines bestimmten Problems, zur Durchführung einer bestimmten Aufgabe oder zum Reagieren auf externe Einwirkungen nach einer festgelegten Weise.

Program counter (Programmzähler): Register einer Zentraleinheit, das die Adresse des nächsten abzurufenden und auszuführenden Befehls enthält.

PROM, programmable read-only memory (programmierbarer Lesespeicher): Lesespeicher, in den der Benutzer selbst unter Verwendung geeigneter Mittel Informationen einschreiben kann.

Prototyping system (Prototypleiterplatten): Hardware zur Planung und Auslegung eines Produktes auf Mikroprozessorbasis.

RALU, register and arithmetic-logic unit (Register und arithmetisch-logische Einheit): Arithmetisch-logische Einheit mit einem oder mehreren Registern.

RAM, random-access memory (Schreib-/Lesespeicher oder Speicher mit wahlfreiem Zugriff): Speicher, der so ausgelegt ist, daß jedes Speicherelement jederzeit und mit der gleichen Verzögerung gelesen oder geschrieben werden kann.

Read (Lesen): Die Daten eines Speichers erfassen und/oder interpretieren.

Register: Speicherbaustein für spezielle logische oder Steuerfunktionen, der dann verwendet wird, wenn die normale Speicheradressierung zu langsam ist.

RMM, read-mostly memory (Meist-Lesespeicher): Lesespeicher, der sich löschen und neu schreiben läßt, obwohl das Einschreiben viel langsamer als das Lesen erfolgt.

ROM, read-only memory (Lese- oder Festwertspeicher): Speicher mit festen vorprogrammierten Daten, die sich vom Benutzer nicht verändern lassen.

Scratch-pad memory (Zwischenspeicher): Schreib-/Lesespeicher mit schnellem Zugriff, den der Mikroprozessor zur vorübergehenden Abspeicherung von Zwischenergebnissen, veränderlichen Daten und aufgabenbedingten Informationen, usw. verwendet.

Serial I/O (serielle Ein-/Ausgabe): Datenübernahme zwischen einem Mikroprozessor und Peripheriegeräten, wobei die Bits in zeitlicher Reihenfolge über einen einzigen Kanal übertragen werden.

Service routine (Serviceprogramm): Befehlssatz für die Durchführung einer programmierten Operation; meistens durch eine Unterbrechung eingeleitet.

Simulator (Simulationsprogramm): Software-Entwicklungshilfsmittel, das ein Programm fast wie im endgültigen System aber langsamer ausführt, damit ein Programmband entsteht.

Slice (Prozessorelement): Eine Art Chiparchitektur, die das Stapeln (Kaskadierung, Parallelschaltung) von Bausteinen zur Erhöhung der Wortlänge gestattet.

Software: Die ‚weichen', d.h. veränderbaren und wiederladbaren, Programme und Befehle eines Systems.

Software documentation (Softwaredokumentation): Programmlisten und/oder technische Handbücher, die die Arbeitsweise und die Anwendung von Programmen beschreiben.

Source program (Quellenprogramm): Rechnerprogramm in einer höheren oder Assemblersprache.

SSI, small-scale integration (Integration kleinen Maßstabes): Integrierte SSI-Schaltkreise für logische Funktionen enthalten bis zu 100 Gatter pro Chip.

Stack (Stapelspeicher): Eine Reihe Register oder Speicherplätze, die Zugriff nach dem LIFO-Prinzip ('last in/first out') gestatten.

Standard floppy (Standarddiskette): Eine mittelgroße (200 mm Durchmesser) flexible Magnetplatte zur Speicherung von Daten.

Statement (Anweisung): Ein in einer Quellensprache geschriebener Befehl; eine Zeile Quellencode.

Static memory (statischer Speicher): Halbleiter-Schreib-/Lesespeicher, der keine wiederholte Auffrischung seiner Daten benötigt.

Storage (Speicher): Im Englischen ein anderer Ausdruck für 'memory', obwohl 'storage' eigentlich nur externe Großspeicher kennzeichnet.

String (Zeichenreihe): Eine Reihe Zeichen, die mit ihrer numerischen Codierung gespeichert sind.

Subroutine (Unterprogramm): Eine Gruppe Befehle, zu der von verschiedenen Stellen im Hauptprogramm zurückgekehrt werden kann.

Switch register (Schaltregister): Handbedienter meistens der Bitzahl eines Datenwortes entsprechender Schaltersatz, der im allgemeinen am Bedienfeld eines Rechners zu finden ist.

Synchroner Betrieb: Schaltbetrieb mit einem gemeinsamen Zeitgeber (Takt) zur Steuerung der Datenübernahme und anderer Funktionen.

Syntax (Satzbau): Regeln, welche die Struktur der An-

weisungen in einer Programmiersprache bestimmen.
Terminal (Datenstation): Ein-/Ausgabegerät, an dem die Daten eines Systems ein- bzw. ausgegeben werden.
Text editor (Textverarbeitungsprogramm): Programm, mit dessen Hilfe der Benutzer ein Quellenprogramm erstellen, anpassen, sortieren, modifizieren kann.
Trace (Ablaufverfolgung): Ausführung der einzelnen Programmbefehle einen nach dem anderen, um die Inhalte von Registern, Akkumulatoren und entsprechenden Speicherplätzen bei jedem Schritt überprüfen und/oder protokollieren zu können.
UART, universal asynchronous receiver/transmitter (universeller asynchroner Empfänger/Sender): Baustein für den Anschluß einer Steuereinheit, die mit parallelen Worten arbeitet, bzw. einer Datenstation an ein Übertragungssystem, das mit seriellen Bits arbeitet.
Vectored interrupt (gerichtete Unterbrechung): Unterbrechungsmodus, der die sofortige Verarbeitung jeder Unterbrechung ermöglicht, ohne daß zunächst im Aufrufbetrieb festgestellt werden muß, welche Unterbrechungen vorliegen.
VLSI, very-large-scale integration (Integration sehr großen Maßstabes): Integrierte VLSI-Schaltkreise für logische Funktionen enthalten 10 000 bis 100 000 Gatter pro Chip.
Volatile memory (flüchtiger Speicher): Speicher, dessen Daten nur durch eine ununterbrochene Stromversorgung erhalten werden.
Word (Wort): Eine Gruppe binärer Zeichen, die der Rechner als Hauptinformationseinheit bearbeitet.
Word lenght (Wortlänge): Bitzahl eines Datenverarbeitungswortes.
Write (Schreiben): Die Eingabe von Daten in einen Speicher.

Aanhangsel G

Verklarende woordenlijst van micro processor termen

Accumulator: Tijdelijk opslagregister waarin het resultaat van rekenkundige en/of logische bewerkingen van een ALU wordt opgeslagen.
Algorithme: Stelsel van goed gedefinieerde bewerkingen of regels om tot de oplossing van een probleem te komen (naam afgeleid van Al-Kuwariymi, 9de eeuws Arabier).
ALU: (**A**rithmatic **L**ogic **U**nit) Deel van de CVE dat rekenkundige, logische en aanverwante bewerkingen uitvoert; vormt samen met geheugen en besturing de complete CVE.
Architectuur: Organisatorische structuur van een microcomputersysteem waaruit factoren als aantal registers, geheugendistributie, software-instructies, werksnelheid enz. blijken.
ASCII: **A**merican **S**tandard **C**ode for **I**nformation **I**nterchange; het meest populaire systeem voor het coderen van alfanumerieke karakters, gewoonlijk alleen aangeduid met de beginletters ASCII en uitgesproken als 'askie'.
Assembler: Computerprogramma (software routine) dat mnemonics, door de mens leesbare programmastatements (broncode), omzet in door de machine leesbare statements (objectcode).
Assembler taal: Programmeertaal waarbij gebruik wordt gemaakt van een symbolische voorstelling (mnemonics die de functies van de instructie suggereren) en die door de assembler in machinetaal worden omgezet.
Assemblerlijst: Door de assembler opgestelde computerlijst die regel voor regel aangeeft hoe het in assembleertaal geschreven programma wordt geïnterpreteerd.
Asynchronous operation (asynchrone werking): Werking van een schakelend netwerk waarbij voltooien van de ene gebeurtenis de volgende inleidt, zonder dat daarbij gebruik wordt gemaakt van een gemeenschappelijke klokgenerator.
Backplane (achterpaneel): De stekerblokken en bedrading die het merendeel, of de hele bedrading van een systeem vormen.
BASIC: **B**eginners **A**ll purpose **S**ymbolic **I**nstruction **C**ode. Programmeertaal waarbij voor het uitvoeren van rekenkundige en logische bewerkingen eenvoudige Engelse woorden, afkortingen en bekende wiskundige symbolen worden gebruikt.
BAUD: Maatstaf voor de seriële datastroomsnelheid; oppervlakkig ook het aantal bits per seconde.
Benchmark: Veel gebruikt programma (routine) voor het vergelijken en evalueren van de relatieve prestaties van verschillende microcomputers.
BIT: Samentrekking van **B**inary dig**IT**; kleinste data-eenheid in een microcomputer.
Block diagram (blokschema): Illustratie die de afzonderlijke functionele eenheden van een systeem en hun onderlinge relaties voor de verschillende kanalen voor data- en besturingssignalen grafisch voorstelt.
Bootstrap-programma: Een korte reeks van permanent in een ROM-chip van een microcomputer opgeslagen instructies die, wanneer opgeroepen met een handbediende schakelaar, het invoeren van externe programma's vanaf magneetband, ponsband enz. voor uitvoering door de microcomputer start.
Breakpoint: Punt in het programma waarbij de verdere uitvoering kan worden aangehouden om visuele controle, afdrukken of andere prestatie-analyses mogelijk te maken alvorens het programma helemaal af te laten werken.
Buffer: Scheidingsschakeling die tussen circuitelementen wordt opgenomen om onderlinge beïnvloeding te voorkomen, noodzakelijk voor impedantie-aanpassing, het verkrijgen van een groter stuurvermogen, het vertragen van de informatiestroomsnelheid enz.
Bus: Groep elektrische aders die in een microcomputer een communicatiekanaal tussen de verschillende elementen vormen.
Busdrijver: Schakeling voor het versterken van een bussignaal zodat een geldige ontvangst van het signaal op zijn bestemming gewaarborgd is.
Byte: Een aaneengesloten groep bits die door de microcomputer als een geheel wordt behandeld; onder 'byte' wordt momenteel (al is dat niet helemaal juist) vaak een 8-bits woord verstaan.
Central Processing Unit (CPU = Centrale Verwerkingseenheid = CVE): Dat gedeelte van een microcomputer dat de schakelingen bevat die de interpretatie en uitvoering van de programma-instructie bestuurt.
Character (karakter): Alfabetisch, numeriek of grafisch symbool, voorgesteld door een unieke binaire code.
Chip: Veel gebruikte term waarmee een compleet omhulde geïntegreerde schakeling wordt bedoeld.
Clock (klok): Pulsgenerator die de repeterende tijdsignalen levert waarmee alle systeembewerkingen in een microcomputer worden gesynchroniseerd.

COBOL: Afkorting van **CO**mmon **B**usiness **O**riented **L**anguage. Een probleem gerichte hogere programmeertaal voor administratieve toepassingen.
Code: (1) Taal waarin een code is geschreven of (2) de eigenlijke instructies.
Compiler: Computerprogramma gebruikt voor het omzetten van een hogere programmeertaal (bijv. FORTRAN) in een computergericht programma in assembler (machine) taal.
Condition code (voorwaardelijke code): Groep van programmavoorwaarden (zoals overdracht, lenen, overloop enz.) die voor het uitvoeren van de instructies van bijzonder belang zijn.
Console (bedieningspaneel): Bedieningspaneel van de operator of terminal van een computersysteem.
Control bus (stuurbus): Bus die de stuursignalen voert die de werking van het systeem van binnen en van buiten de microcomputer regelen.
CPU: zie **C**entral **P**rocessing **U**nit.
CROM (Control **R**ead **O**nly **M**emory): Een microgeprogrammeerde ROM voor het decoderen van besturingslogica.
Cross assembler: Computerprogramma dat gebruikt wordt om programma's in een symbolische taal en geassembleerd op de ene computer te vertalen in een programma in machinetaal dat op een andere computer werkt.
Crowbar: Beveiligingsschakeling voor een gelijkspanningsvoeding die in het geval van overbelasting de uitgangsgelijkspanning tegen aarde kortsluit.
Current loop (stroomlus): Datacommunicatielijn waarop het aanwezig zijn of ontbreken van een elektrische stroom gebruikt wordt om de over te brengen data voor te stellen.
Daisy chain: Interrupt prioriteitsregeling waarbij de interruptbus seriëel wordt afgezocht.
Data buffer: Tijdelijk opslagregister in een CVE of randapparaat dat het mogelijk maakt data bij verschillende I/U-snelheden te ontvangen of uit te zenden.
Data bus: Bus gebruikt om data intern en extern en in beide richtingen tussen CVE, geheugen en randapparatuur uit te wisselen.
Data pointer (datawijzer): Register dat de geheugenadressen bevat van de data die voor het uitvoeren van de instructies nodig zijn (operanden).
Debug (ontstoren): Het opsporen, onderzoeken en corrigeren van fouten in programma's.
Debug programs (ontstoorprogramma's): Speciale programma's die ontworpen zijn om de programmeur behulpzaam te zijn bij het opsporen, volgen en corrigeren van fouten in programma's op het moment dat die op een computer worden gedraaid.
Dedicated (taakgericht): Hiermee worden microcomputers bedoeld die uitsluitend voor een enkele speciale toepassing geprogrammeerd zijn.
Development tool (ontwikkelingshulpmiddel): Hardware, software of de combinatie van beiden die de programmeur behulpzaam zijn bij het ontwerpen en ontwikkelen van systemen.
Device: Een deel van de verwerkingsapparatuur dat wel deel uitmaakt van het computersysteem, maar niet van de CVE; synoniem met 'randapparatuur'.
Diagnostic program (diagnostisch programma): Programma dat ontworpen is om de verschillende hardwareonderdelen van een microcomputer (CVE, geheugen, beeldscherm enz.) op een juiste werking te controleren.
DIL (Dual-In-Line)omhulling: De voor microcomputers meest gebruikte IC-omhulling.
DMA (Direct Memory Access = directe geheugentoegang): Een methode om direct toegang tot het hoofdgeheugen te verkrijgen en data-overdracht zonder tussenkomst van de CVE te bewerkstelligen.
Dynamic memory (dynamisch geheugen): Geheugen waarin de data in de vorm van elektrische lading op een capacitief component wordt opgeslagen en daardoor steeds moet worden ververst (uitlezen en opnieuw inschrijven) teneinde de geheugeninhoud te behouden.
EAROM (Electrically Alterable Read Only Memory = Elektrisch veranderbaar leesgeheugen): speciaal type ROM waarin de data langs elektrische weg kan worden gewist en nieuwe data ingeschreven.
EBCDIC (Extended Binary Coded Decimal Interchange Code): 8-Bit code die voornamelijk in IBM-apparatuur wordt gebruikt.
Editor (opmaakprogramma): Microcomputerprogramma dat zodanig is ontworpen dat met het bronprogrammamateriaal kan worden gemanipuleerd; ook wel aangeduid met 'text editor' of 'ponsband editor'.
Emulator (nabootser): Programma (of hardware) dat het instructiepakket van de ene computer op een andere computer dupliceert en aldus programmaontwikkeling mogelijk maakt voor een computer zonder over die computer zelf te beschikken.

Enable: Signaaltoestand waardoor bepaalde vormen van dataverwerking kunnen plaatsvinden.
Execute: Opdracht tot het uitvoeren van een bepaalde computerinstructie of een computerprogramma.
Fetch: Lees een instructie uit het hoofdgeheugen en plaats de instructie in het werkgeheugen.
File (bestand): Verzameling van onderling verwante datawoorden die als één geheel behandeld wordt; een bestand kan in verschillende vormen van hardware worden ondergebracht zoals magneetschijven, cassettes, magneetbanden, ponsband, halfgeleidergeheugens enz.
Firmware: In een leesgeheugen (ROM) vast opgeslagen programma-instructies.
Flag bit: Informatiebit dat aangeeft dat een bepaalde toestand is opgetreden zoals overloop, overdracht, interrupt.
Flat pack (platte omhulling): IC-omhulling waarvan de aansluitdraden radiaal in hetzelfde vlak liggen als van de omhulling; vooral van belang bij grote montagedichtheden.
Flowchart (stroomschema): Opeenvolging van operaties die met behulp van symbolen, schema's en andere voorstellingen in kaart worden gebracht en die aangeven welke bewerkingen door een computerprogramma moeten worden uitgevoerd.
Format (formaat): Overzichtelijk gestructureerde rangschikking van data-elementen die samen een groter geheel zoals bestand, lijst, tabel enz. vormen.
FORTRAN (FORmule TRANslator): wetenschappelijk georiënteerde hogere programmeertaal.
Fusible link (doorsmeltbare verbinding): Soort PROM-chip waarvan de schakelingen door het onderbreken (door er een hoge stroom door te sturen) of gesloten laten (verbinding intact houden) de gewenste bit-patronen vormen.
General register (algemeen register): Intern adresseerbaar register in de CVE dat voor elke tijdelijke opslag kan worden gebruikt.
Ground plane (aardvlak): Gemeenschappelijke elektrische aarde voor voedingsspanning en/of signalen.
Hard copy: Uitvoer van een microcomputer op papier afgedrukt.
Hardware: De tastbare Apparatuur waaruit het computersysteem is opgebouwd.
Hard-wired logic: Groep van onderling vast doorverbonden logische schakelingen voor het uitvoeren van een specifieke functie.
High-level language (hogere programmeertaal): Computertaal waarin gebruik wordt gemaakt van door de operator leesbare symbolen en statements; probleemgericht en onafhankelijk van het fabrikaat computer waarop het programma uiteindelijk gedraaid zal worden.
Input/Output (I/O = Invoer/Uitvoer = I/U): Een algemene term die van toepassing is op apparatuur en/of data waarmee de CVE het verkeer met de buitenwereld onderhoudt.
IC (Integrated Circuit = Geïntegreerde schakeling): Vastestof microschakeling bestaande uit onderling doorverbonden actieve en passieve componenten die in een enkele siliciumchip zijn gediffundeerd (ook wel 'monolithische IC' genoemd).
Instruction (instructie): Uitdrukking die een computer handeling definieert en de operanden identificeert.
Instruction cycle (Instructiecyclus): Tijd, nodig om een instructie uit het geheugen op te halen en uit te voeren.
Instruction length (instructielengte): Aantal bytes geheugenruimte dat nodig is om een instructie op te slaan.
Instruction set (instructiepakket): Totale lijst van instructies die een bepaalde microcomputer kan uitvoeren.
Interpreter: Programma dat instructies geschreven in een hogere programmeertaal ophaalt en onmiddellijk uitvoert.
Interrupt (onderbreking): Procedure die het mogelijk maakt om een programma zoals dat op een bepaald moment door een microcomputer wordt uitgevoerd, tijdelijk aan te houden en een ander programma uit te voeren en tenslotte het oorspronkelijke programma weer te hervatten waar het onderbroken werd.
Interrupt latency: Vertraging tussen het verzoek tot een interrupt aan een microprocessor en de bevestiging van dat verzoek.
Interrupt mask: Schakelingen die het een programma mogelijk maken om aan te geven of een verzoek tot interrupt al dan niet geaccepteerd zal worden.
Interrupt service routine: Programma dat (1) de status van verschillende CVE-registers opslaat, (2) het door een interrupt opgeroepen programma uitvoert, (3) de CVE in de pre-interrupt toestand terugbrengt en (4) het onderbroken programma hervat.
Interrupt vector: Twee aan een onderbrekend apparaat toegewezen geheugenplaatsen die het beginadres en het microprocessorstatuswoord van de serviceroutine bevatten.
I/O Controller (I/U-besturing): Besturingselektronica no-

dig voor de koppeling van een I/U-apparaat aan de CVE van een microcomputer.
I/O Port (I/U poort): Aansluiting op de CVE van een microcomputer die de dataweg tussen CVE en externe apparatuur (toetsenbord, beeldscherm enz.) vormt; kan invoer of uitvoer zijn of tweerichtingsverkeer.
Library (bibliotheek): Verzameling van voor een specifieke microcomputer geschreven, complete programma's.
Loader (lader): Computerprogramma geschreven om programma's vanaf een invoerapparaat in het werkgeheugen (gewoonlijk een RAM) van de microcomputer in te voeren.
LSI (Large Scale Integration = integratie op grote schaal): IC voor logische functies en met een zeer grote componentendichtheid (doorgaans 1000 tot 10 000 poortschakelingen op een chip).
Machine code: zie Machine language.
Machine language (machinetaal): Numerieke vorm om elk bit van elke instructie van een programma te specificeren en die de uiteindelijke binaire programmacode oplevert die de microcomputer direct kan verwerken.
Macro (macro instruction = macro-instructie): Een programma-routine bestaande uit een reeks met elkaar verwante standaardinstructies die met behulp van een enkele macro-opdracht gestart wordt.
Mass storage (massa-opslag): Omschrijving van geheugen randapparatuur met grote capaciteit; zoals magneetschijven, magneetbanden enz.
Memory (geheugen): Algemene uitdrukking voor een opslagmedium waarin data, programma's of andere door de microcomputer benodigde gegevens worden bewaard.
Microcomputer: Term die het hele microprocessorsysteem (inclusief geheugens enz.) omschrijft naar analogie met minicomputer.
Microfloppy (microdiskette): Zeer kleine (minder dan 5″ diameter) flexibele magneetschijf voor data-opslag.
Microprocessor: Enkele chip (of stel chips) die de functies van een centrale verwerkingseenheid van een computer kan uitvoeren.
Microprogrammable computer (microprogrammeerbare computer): Microcomputer waarvan het instructiepakket kan worden gewijzigd door een speciale ROM – de zogenaamde 'Microm' – te verwisselen.
Microtutor: Goedkope zelfstandige microcomputer die het mogelijk maakt om ervaring met een microcomputer op te doen.
Minifloppy (minidiskette): Kleine (5¼″ diameter) flexibele magneetschijf voor data-opslag.
Mnemonic code: Programmeertaal waarbij mnemonicsymbolen of afkortingen (groepen letters die de betekenis van elke instructie suggereren) worden gebruikt.
Modem (MOdulator-DEModulator): Apparaat dat dataverwerkingsapparatuur aan de communicatielijnen koppelt.
Monitor: Programma dat een uniforme methode biedt voor programmatiming, planning en behandeling van invoer/uitvoer taken.
MPU (Micro Processing Unit = micro verwerkingseenheid): Andere naam voor CVE.
MSI (Medium Scale Integration = Integratie op middelgrote schaal: IC voor logische functies en met een middelgrote integratie-graad; doorgaans 100 - 1000 poorten per chip.
Multiplexing: De overdracht van meer dan één signaal tegelijk over een enkele verbinding, weg of kanaal.
Multiprocessing: Gelijktijdig uitvoeren van meerdere programma's door een computer waarbij meerdere CVE's met een gemeenschappelijk geheugen werken.
Nibble: Groep van 4 bits die als één geheel verwerkt worden.
Non volatile memory (niet-vluchtig geheugen): Soort computer-geheugen dat zijn data-inhoud ook tijdens onderbrekingen van de voedingsspanning of de netspanning behoudt.
Object program (object programma): Binaire vorm van een bronprogramma dat door een assembler of compiler wordt geleverd.
Operating system (besturingssysteem): Gestructureerde groep softwareroutines die tot taak heeft om de volgorde van uitvoering van programma's die op een microcomputer worden gedraaid te besturen.
Op-code (OPeration CODE): Het deel van de instructiecode dat aangeeft welke bewerking uitgevoerd moet worden.
Page (pagina): Natuurlijke groepering van geheugenplaatsen door adresbits van hogere orde.
Parallel operation (parallelbedrijf): Verwerking van alle bits van een woord (byte) gelijktijdig, door overdracht over afzonderlijke kanalen of buslijnen.
Peripheral (equipment) (randapparatuur): Externe, voor het in- of uitvoeren van data bij een microcomputer gebruikte apparatuur.
Pointer (wijzer): CVE-registers die geheugenadressen

bevatten; ook wel aangeduid met datawijzer of programmateller.

Polling (afvragen): Procedure waarbij een aantal randapparaten stuk voor stuk door de CVE worden afgevraagd teneinde te bepalen of dienstverlening gewenst is.

Port (poort): De elektrische verbinding tussen de microprocessor en de buitenwereld.

Program (programma): Complete reeks computerinstructies die nodig zijn voor het oplossen van een specifiek probleem, een bepaalde actie uit te voeren of op de voorgeschreven wijze op stimuli van buitenaf te reageren.

Program counter (programmateller): CVE-register dat het adres bevat van de volgende instructie die moet worden opgehaald en uitgevoerd.

PROM (Programmable Read Only Memory = Programmeerbaar leesgeheugen): Een geheugen waarin de gebruiker met behulp van speciale apparatuur informatie kan schrijven en dat daarna alleen kan worden uitgelezen.

Prototyping system: Hardwaresysteem dat gebruikt wordt om het prototype van een op een microprocessor gebaseerd systeem te vervaardigen.

RALU (Register Arithmetic Logic Unit): ALU met register(s).

RAM (Random Access Memory = willekeurig toegankelijk geheugen): Computergeheugen dat zodanig is gestructureerd dat de tijd die nodig is om toegang te krijgen tot elk willekeurig datablok dat in het geheugen is opgeslagen, voor alle datablokken gelijk is.

Read: Verkrijgen en/of interpreteren van data vanuit een geheugen.

Register: Geheugenplaats die voor bepaalde logische of besturingsfuncties wordt gebruikt wanneer normale geheugenadressering te traag is.

RMM (Read Mostly Memory): Een ROM-geheugen dat gewist en opnieuw ingeschreven kan worden, meestal bij een veel lagere snelheid dan waarbij het kan worden gelezen.

ROM (Read Only Memory = leesgeheugen): Geheugen waarin data tevoren vast worden opgeslagen en niet bereikbaar is voor verandering door de gebruiker.

Scratch pad memory (kladbloc geheugen): Een door de microprocessor gebruikte RAM die als tijdelijke, snel toegankelijke opslag voor tussentijdse resultaten, variabele data en werkgetallen of informatie wordt gebruikt.

Serial I/U (seriële I/U): Data-overdracht tussen microprocessor en randapparatuur waarbij de bits achter elkaar over een enkele ader worden overgebracht.

Service routine: Serie instructies voor het uitvoeren van een geprogrammeerde operatie, doorgaans als reactie op een interrupt.

Simulator: Software-ontwikkelingshulpmiddel dat een programma op nagenoeg dezelfde wijze uitvoert als het uiteindelijke systeem zou doen, maar langzaam zodat een programmaband gemaakt kan worden.

Slice: Soort chip-architectuur die stapelen (parallel schakelen) van elementen mogelijk maakt om de woordlengte te vergroten.

Software: Programma's en programma-instructies die in de computertechniek gebruikt worden.

Softwaredocumentatie: Programmalijsten en/of technische handboeken die de werking en het gebruik van de programma's beschrijven.

Source program (bronprogramma): Computerprogramma in een assembleertabel of een hogere programmeertaal.

SSI (Small Scale Integration = Integratie op kleine schaal): IC voor logische functies met lage integratiegraad (minder dan 100 poorten per chip).

Stack (stapel): Opeenvolging van registers of geheugenplaatsen die op LIFO (Last In First Out = laatste in eerste uit) basis toegankelijk zijn.

Standard floppy (standaard diskette): Middelgrote (8″ diameter) flexibele magneetschijf voor data-opslag.

Statement (opdracht): In brontaal geschreven instructie, één regel broncode.

Static memory (statisch geheugen): Halfgeleider-RAM waarvan de inhoud niet voortdurend ververst behoeft te worden.

Storage (opslag): Term die soms in plaats van geheugen wordt gebruikt alhoewel storage doorgaans beperkt is tot externe massa-opslag.

String (keten): Reeks karakters, opgeslagen aan de hand van hun numerieke code.

Subroutine: Subprogramma (groep instructies) dat vanaf meer dan één plaats in het hoofdprogramma toegankelijk is.

Synchronous operation (synchroon bedrijf): Werking van een schakeling of data-overdracht onder besturing van een gemeenschappelijke tijdbron (klok).

Syntax: Formele structuurregels bepalend voor de statementstructuur van een programmeertaal.

Switch register (schakelaar-register): Groep handbediende schakelaars, meestal gelijk aan het aantal bits van

het microcomputerwoord, en doorgaans aangebracht op het bedieningspaneel van de computer.
Terminal: Invoer/uitvoer-apparaat waar de data het computersysteem verlaat of binnenkomt.
Text editor: Programma dat de gebruiker helpt bij het opzetten, aanpassen, sorteren of op andere wijze modificeren van een bronprogramma.
Trace: Stap voor stap uitvoering van programma-instructies om de inhoud van registers, accumulators en gespecificeerde geheugenplaatsen in elke fase te controleren of te rapporteren.
UART (Universal Asynchronous Receiver Transmitter = universele asynchrone zend/ontvanger): Apparaat waarmee een woord-parallelle controller of dataterminal aan een bit-serieel communicatienetwerk wordt gekoppeld.
Vectored interrupt: Interrupt systeem waarbij elke interrupt onmiddellijk wordt gehonoreerd zonder dat daarbij hoeft te worden afgevraagd ('polling').
VLSI (Very Large Scale Integration = Integratie op zeer grote schaal): IC voor logische functies met zeer grote integratiedichtheid (10 000 tot 100 000 poorten per chip).
Volatile memory (vluchtig geheugen): Geheugen waarvan de inhoud onherroepelijk verloren gaat als de voedingsspanning onderbroken wordt.
Word (woord): Groep bits die door de computer als primaire eenheid van informatie worden behandeld.
Wordlength (woordlengte): Aantal bits in een computerwoord.
Write: Het opslaan (schrijven) van data in een geheugen.