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IC	Description	Replacement	Case
AH-27	Single-Chip Microcontroller with Display driver and PLL		-
AH-29	Single-Chip Microcontroller with Display driver and PLL		-
AN103	VCO Mixer and Amplifier	NTE1192	SIL-9
AN240P	FM IF Amplifier and Discriminator	NTE712	DIL-14
AN252	5 Watt Audio Power Amplifier	NTE1365	SIL-9
AN377	FM IF-amplifier and Detector	NTE788	DIL-16
AN612	Balanced modulator	NTE1249	SIL-7
AN5215	FM IF Amplifier and Discriminator	NTE1234	SIL-7
AN5730	FM IF Amplifier and Discriminator	NTE1234	SIL-7
AN5732	FM IF Amplifier and Discriminator	NTE1234	SIL-7
AN6040	PLL Frequency Synthesizer		DIL-16
AN6821N	High Speed Frequency Divider	NTE1499	SIL-9
AN7140	5 Watt Audio Power Amplifier	NTE1365	SIL-9
AN7205	RF Front End Amplifier, Mixer and IF-Amplifier		SIL-9
BA401	Balanced RF / IF Amplifier	NTE1104	SIL-5
BA403	FM IF-Amplifier and Discriminator	NTE1541	SIL-7
BA521	5 Watt Audio Power Amplifier	NTE1166	SIL-10
BA4422AN	FM Front End for Radio		SIL-9
BA4260	Tuner System for Radio		DIL-16
C3001A	VCO Mixer and Amplifier	NTE1292	SIL-9
C5121	PLL Frequency Synthesizer		DIL-24
C5122	PLL Frequency Synthesizer		DIL-24
CA3012	FM IF Wideband Amplifier	NTE726	-
CA3028	HF Amplifier	NTE724	DIL-8
CA3053	HF Amplifier	NTE724	DIL-8

CA3089E	FM IF-amplifier and Detector	NTE788	DIL-16
CX7925B	Serial Input PLL Frequency Synthesizer		DIL-14
CXA1619	FM/AM radio IC		DIL-28
DBL1011	FM/AM IF-amplifier and Detector		DIL-16
DMD5802	Serial PLL Frequency Synthesizer		DIL-16
EM-27	Single-Chip Microcontroller with Display driver and PLL		-
GL3201	FM IF Amplifier and Discriminator	NTE712	DIL-14
GL5808	Tuner System for Radio		DIL-16
GL5835	AM Tuner System for Car Radios		DIL-20
GL6533	Serial PLL Frequency Synthesizer		DIL-16
GM6535	Serial PLL Frequency Synthesizer		DIL-16
HA1125	FM IF Amplifier and Discriminator	NTE712	DIL-14
HA1137	FM IF-amplifier and Detector	NTE788	DIL-16
HA1139	Video Amplifier	NTE749	DIL-8
HA11225	FM IF Amplifier and Discriminator	NTE1488	DIL-16
HD10551	Programmable Divider		SIL-8
HD42851	PLL Frequency Synthesizer	NTE1254	DIL-24
HD42853	PLL Frequency Synthesizer		DIL-22
HD404829	MCU		-
HYL21011	Serial PLL Frequency Synthesizer		DIL-16
IR3N06	Low Power Narrowband FM IF	NTE853	DIL-16
KA2101	FM IF Amplifier and Discriminator	NTE712	DIL-14
KA2245	FM IF Amplifier and Discriminator	NTE1541	SIL-7
KA2247	Tuner System for Radio		DIL-16
KA3361	Low Power Narrowband FM IF	NTE853	DIL-16
KA22495	RF Front End Amplifier, Mixer and IF-Amplifier		SIL-9
KB4402	FM IF-amplifier and Detector	NTE788	DIL-16

KIA6003	FM IF-Amplifier and Discriminator		SIL-9
KIA6037	AM Tuner System for Radio		DIL-24
KIA6040	FM IF-Amplifier and Discriminator		DIL-16
KIA6058AS	RF Front End Amplifier, Mixer and IF-Amplifier		SIL-9
KIA6078S	FM Front End for Radio		SIL-9
KIA6410P	VCO Mixer and Amplifier	NTE1192	SIL-9
KIA7130P	FM IF Amplifier and Audio Preamplifier		SIL-7
KIA7217	Audio Power Amplifier	NTE1370	SIL-10
KIA7310P	VCO Mixer and Amplifier	NTE1192	SIL-9
KM5624	PLL Frequency Synthesizer		DIL-22
KS8805	Serial PLL Frequency Synthesizer		DIL-16
KT615	Balanced RF / IF Amplifier	NTE1104	SIL-5
KT3361B	Low Power Narrowband FM IF	NTE853	DIL-16
KTA6058	RF Front End Amplifier, Mixer and IF-Amplifier		SIL-9
LA1060	Antenna Switching Diversity Circuit		SIL-9
LA1061	Antenna Switching Controller		DIL-14
LA1130	AM Tuner for Car Radio		SIL-16
LA1135	AM Tuner System for Radio	NTE712	DIL-20
LA1136	AM Tuner System for Radio		DIL-24
LA1137	AM Tuner System for Radio		DIL-24
LA1140	FM IF System for Car Radio	NTE1604	DIL-16
LA1143	FM IF System for Car Radio		DIL-16
LA1145	FM IF System (Quadrature Detector)		SIL-18
LA1150	FM IF Amplifier and Discriminator	NTE1541	SIL-7
LA1175	FM Front End For Car Radio		SIL16
LA1177	Electronic Tuning-Use FM Front		SIL-9
LA1178	RF Front End Amplifier, Mixer and IF-Amplifier		SIL-10

LA1185	RF Front End Amplifier, Mixer and IF-Amplifier		DIL-9
LA1186	FM Front End for Radio		SIL-9
LA1231N	FM IF Amplifier and Discriminator	NTE1441	DIL-16
LA1235	FM IF Amplifier and Discriminator		DIL-16
LA1245	AM Electronic Tuner	NTE1608	DIL-20
LA1260	Tuner System for Radio		DIL-16
LA1265	FM/AM Tuner System		DIL-22
LA1266	AM/FM Tuner System		DIL-24
LA1267	FM/AM Tuner System		DIL-24
LA1365	FM IF Amplifier and Discriminator		DIL-14
LA1600A	One-Band AM-Radio		SIL-9
LA1800	FM/AM Single-Chip Radio		DIL-22
LA4201	Audio Power Amplifier	NTE1470	DIL-14
LA4260	Audio Power Amplifier	NTE1685	SIL-10
LA4446	Audio Power Amplifier		SIL13
LA4485-T	Audio Power Amplifier		SIL-13
LA6458S	Dual Operational Amplifier		SIL-9
LC5121	PLL Frequency Synthesizer		DIL-22
LC7110	PLL Frequency Synthesizer		DIL-20
LC7113	PLL Frequency Synthesizer		DIL-16
LC7120	PLL Frequency Synthesizer	NTE7120	DIL-20
LC7130	PLL Frequency Synthesizer		DIL-20
LC7131	PLL Frequency Synthesizer	NTE1475	DIL-20
LC7132	PLL Frequency Synthesizer		DIL-20
LC7135	PLL Frequency Synthesizer		DIL-20
LC7136	PLL Frequency Synthesizer		DIL-20
LC7137	PLL Frequency Synthesizer		DIL-20

LC7152	Dual Serial PLL Frequency Synthesizer		DIL-24
LC7185	PLL Frequency Synthesizer		DIL-30
LC7218	PLL Frequency Synthesizer		DIL-24
LC7232	Single-Chip Microcontroller with Display driver and PLL		-
LC7233	Single-Chip Microcontroller with Display driver and PLL		-
LC72322	Single-Chip Microcontroller with Display driver and PLL		-
LC72336/8	Single-Chip Microcontroller with Display driver and PLL		-
LM386N	Audio Power Amplifier	NTE823	DIL-8/SIL-8
LM733	Video Amplifier		DIL-8/DIL-14
LM1396	Balanced modulator / Demodulator		DIL-14
LM1496	Balanced modulator / Demodulator		DIL-14
LM1596	Balanced modulator / Demodulator		DIL-14
LM2111M	Low Power Narrowband FM IF	NTE708	DIL-14
LM2113N	Low Power Narrowband FM IF	NTE709	DIL-14
LM3028	HF Amplifier	NTE724	DIL-8
LM3065N	FM IF Amplifier and Discriminator	NTE712	DIL-14
LM3089N	Low Power Narrowband FM IF	NTE788	DIL-16
LM3189N	FM IF-amplifier and Detector		DIL-16
LM3361	Low Power Narrowband FM IF		DIL-16
LMX1501A	Serial PLL Frequency Synthesizer		DIL-16
LMX2216	Low Noise Amplifier and Mixer		DIL-16
LSC1008P	FM IF Amplifier and Discriminator	NTE712	DIL-14
M5183P	Video Amplifier	NTE749	DIL-8
M51173P	FM IF Amplifier and Discriminator		DIL-16
M51361P	General Purpose Phase Lock Loop		DIL-14
M54459L	High Speed Frequency Divider		SIL-8
M54460L	High Speed Frequency Divider		SIL-8

M58472P	PLL Frequency Synthesizer		DIL-18
M58473P	PLL Frequency Synthesizer		DIL-18
M58476	PLL Frequency Synthesizer		DIL-16
MB1501	Serial PLL Frequency Synthesizer		DIL-16
MB15A01	Serial PLL Frequency Synthesizer		DIL-16
MB1502	Serial PLL Frequency Synthesizer		DIL-16
MB15A02	Serial PLL Frequency Synthesizer		DIL-16
MB1503	Serial PLL Frequency Synthesizer		DIL-16
MB1504	Serial PLL Frequency Synthesizer		DIL-16
MB1505	Serial PLL Frequency Synthesizer		DIL-16
MB1507	Serial PLL Frequency Synthesizer		DIL-16
MB1508	Serial PLL Frequency Synthesizer		DIL-20
MB1511	Serial PLL Frequency Synthesizer		DIL-18
MB1512	Serial PLL Frequency Synthesizer		DIL-20
MB3712	5,7 Watt Audio Power Amplifier		SIL-8
MB3713	5,7 Watt Audio Power Amplifier		SIL-8
MB8719	PLL Frequency Synthesizer		DIL-18
MB8733	PLL Frequency Synthesizer		DIL-18
MB8734	PLL Frequency Synthesizer		DIL-18
MB8738	PLL Frequency Synthesizer		DIL-18
MB87014A	Serial Input PLL Frequency Synthesizer		DIL-16
MB87086A	Serial Input PLL Frequency Synthesizer		DIL-16
MC1350P	Video Amplifier	NTE746	DIL-8
MC1352P	Video Amplifier	NTE749	DIL-8
MC1357P	Low Power Narrowband FM IF	NTE708	DIL-14
MC1496	Balanced modulator / Demodulator		DIL-14
MC2831	FM Transmitter System		DIL-16

MC2833	FM Transmitter System		DIL-16
MC3357	Low Power Narrowband FM IF		DIL-16
MC3359	Low Power Narrowband FM IF		DIL-18
MC3361	Low Power Narrowband FM IF		DIL-16
MC3371	Low Power Narrowband FM IF		DIL-16
MC3372	Low Power Narrowband FM IF		DIL-16
MC12181	PLL Frequency Synthesizer		DIL-16
MC13135	Low Power Narrowband FM IF		DIL-24
MC13136	Low Power Narrowband FM IF		DIL-24
MC145104	PLL Frequency Synthesizer		DIL-16
MC145106	PLL Frequency Synthesizer		DIL-18
MC145107	PLL Frequency Synthesizer		DIL-16
MC145109	PLL Frequency Synthesizer	NTE1167	DIL-16
MC145151	PLL Frequency Synthesizer		DIL-28
MC145152	PLL Frequency Synthesizer		DIL-28
MC145157	Serial PLL Frequency Synthesizer		DIL-16
MC145158	Serial PLL Frequency Synthesizer		DIL-16
MC145159	Serial PLL Frequency Synthesizer		DIL-20
MC145162	Serial PLL Frequency Synthesizer		DIL-16
MC145163	PLL Frequency Synthesizer		DIL-28
MC145170	Serial PLL Frequency Synthesizer		DIL-16
MM48141	PLL Frequency Synthesizer		DIL-16
MM55104	PLL Frequency Synthesizer		DIL-16
MM55106	PLL Frequency Synthesizer		DIL-18
MM55107	PLL Frequency Synthesizer		DIL-16
MM55108	PLL Frequency Synthesizer		DIL-18
MM55116	PLL Frequency Synthesizer		DIL-18

MM55126	PLL Frequency Synthesizer		DIL-18
MN6040	PLL Frequency Synthesizer		DIL-16
MN6040A	PLL Frequency Synthesizer		DIL-16
MSC42502P	PLL Frequency Synthesizer		DIL-16
MSM5807	PLL Frequency Synthesizer		DIL-16
MSM5907	PLL Frequency Synthesizer		DIL-16
MWA110	Wide-Band RF Amplifier		-
MWA120	Wide-Band RF Amplifier		-
MWA130	Wide-Band RF Amplifier		-
N5596	Balanced modulator / Demodulator		DIL-14
NDC40013	PLL Frequency Synthesizer		DIL-16
NE565N	General Purpose Phase Lock Loop	NTE989	DIL-14
NE592	Video Amplifier	NTE927D	DIL-8/DIL-14
NE602	Double-balanced mixer and oscillator		DIL-8
NE605	FM IF Amplifier and Discriminator		DIL-20
NE606	FM IF Amplifier and Discriminator		DIL-20
NE612	Double-balanced mixer and oscillator		DIL-8
NE616	FM IF Amplifier and Discriminator		DIL-20
NJ8820	PLL Frequency Synthesizer		DIL-20
NJ8821	PLL Frequency Synthesizer		DIL-20
NJ88C22	PLL Frequency Synthesizer		DIL-16
NJ8823	PLL Frequency Synthesizer		DIL-20
NJ88C24	PLL Frequency Synthesizer		DIL-16
NJ88C25	PLL Frequency Synthesizer		DIL-18
NJ88C28	PLL Frequency Synthesizer		DIL-18
NJ88C29	PLL Frequency Synthesizer		DIL-20
NJ88C30	PLL Frequency Synthesizer		DIL-14

NJ88C51	PLL Frequency Synthesizer		DIL-20
NJM386N	Audio Power Amplifier		DIL-8/SIL-8
NJM386S	Audio Power Amplifier		DIL-8/SIL-8
NJM1496	Balanced modulator / Demodulator	NTE973D	DIL-14
NJM2070	Audio Power Amplifier		DIL-8
NJM2203	Double-balanced mixer and oscillator		DIL-16
NJM2206	FM IF-Amplifier and Discriminator		DIL-20
NJM2236	FM Front End for Radio		DIL-8/SIL-8
NJM2902N	Quad Operational Amplifier		DIL-14
NJM3357	Low Power Narrowband FM IF	NTE853	DIL-16
NJM3359	Low Power Narrowband FM IF		DIL-18
NJM4558	Dual Operational Amplifier		DIL-8/SIL-8
NJM4558S	Dual Operational Amplifier		SIL-9
PLL01A	PLL Frequency Synthesizer		DIL-16
PLL02A	PLL Frequency Synthesizer	NTE1167	DIL-16
PLL03A	PLL Frequency Synthesizer		DIL-16
PLL0305A	Serial PLL Frequency Synthesizer		DIL-18
PLL08A	PLL Frequency Synthesizer		DIL-16
PLL2001	Serial PLL Frequency Synthesizer	SM5158A	DIL-16
PLL2002	Serial PLL Frequency Synthesizer	SM5158A	DIL-16
RCI8719	PLL Frequency Synthesizer		DIL-18
RCL10483	Narrowband FM/AM IF-amplifier and Demodulator		SIL-20
REC86345	PLL Frequency Synthesizer		DIL-18
REN1165	5 Watt Audio Power Amplifier	NTE1165	SIL-10
RL7320	Balanced Modulator / Demodulator		SIL-9
SA602A	Double-balanced mixer and oscillator		DIL-8
SA604A	Low Power Narrowband FM IF	NTE129	DIL-16

SA612A	Double-balanced mixer and oscillator		DIL-8
SC70231P	Video Amplifier		DIL-8
SK1166	5 Watt Audio Power Amplifier		SIL-10
SK3225	Balanced RF / IF Amplifier	NTE1104	SIL-5
SK3445	VCO Mixer and Amplifier	NTE1192	SIL-9
SK3487	FM IF Amplifier and Discriminator	NTE124	SIL-7
SK3827	5 Watt Audio Power Amplifier	NTE1166	SIL-10
SK7799	Audio Power Amplifier	NTE1470	DIL-14
SM5104	PLL Frequency Synthesizer		DIL-16
SM5107	PLL Frequency Synthesizer		DIL-16
SM5109	PLL Frequency Synthesizer	NTE1176	DIL-16
SM5118	PLL Frequency Synthesizer		DIL-18
SM5123A	PLL Frequency Synthesizer		DIL-24
SM5124A	PLL Frequency Synthesizer		DIL-18
SM5128A	PLL Frequency Synthesizer		DIL-28
SM5132	Serial PLL Frequency Synthesizer		DIL-16
SM5142A	Serial PLL Frequency Synthesizer		DIL-14
SM5152A	Serial PLL Frequency Synthesizer		SIL-9
SM5158A	Serial PLL Frequency Synthesizer		DIL-16
SN16913P	RF Mixer		DIL-8
SN76514	Balanced modulator / Demodulator		DIL-14
SN76600P	Video Amplifier		DIL-8
SN76642N	Low Power Narrowband FM IF	NTE709	DIL-14
SN76650P	Video Amplifier	NTE749	DIL-8
SN76643N	Low Power Narrowband FM IF	NTE708	DIL-14
SN76664N	FM IF Amplifier and Discriminator	NTE712	DIL-14
SO42P	Duble Balanced Modulator / Demodulator		DIL-14

SP8704	Frequency Divider		DIL-8
SP8715	Frequency Divider		DIL-8
SP8716	Frequency Divider		DIL-8
SP8718	Frequency Divider		DIL-8
SP8719	Frequency Divider		DIL-8
SP8720	Frequency Divider		DIL-16
SP8789	Frequency Divider		DIL-8
SP8792	Frequency Divider		DIL-8
SP8793	Frequency Divider		DIL-8
STK4241	Audio Power Amplifier		SIL-13
SY-105	Single-Chip Microcontroller with Display driver and PLL		-
SY-202	Single-Chip Microcontroller with Display driver and PLL		-
SY-203	Single-Chip Microcontroller with Display driver and PLL		-
SY-204	Single-Chip Microcontroller with Display driver and PLL		-
SY-501	Single-Chip Microcontroller with Display driver and PLL		-
TA7045	HF Amplifier	NTE724	DIL-8
TA7130	FM IF Amplifier and Discriminator	NTE1234	SIL-7
TA7176P	FM IF Amplifier and Discriminator	NTE1236	DIL-14
TA7200	Audio Power Amplifier		SIL-10
TA7204	Audio Power Amplifier		SIL-10
TA7205P	Audio Power Amplifier	NTE1155	SIL-10
TA7217AP	Audio Power Amplifier	NTE1370	SIL-10
TA7222	Audio Power Amplifier	NTE1278	SIL-10
TA7303P	FM IF Amplifier and Discriminator		SIL-9
TA7310P	VCO Mixer and Amplifier	NTE1192	SIL-9
TA7320P	Balanced Modulator / Demodulator		SIL-9
TA7358AP	RF Front End Amplifier, Mixer and IF-Amplifier	NTE1843	SIL-9

TA7368	Audio Power Amplifier		SIL-9
TA7378P	FM Front End for Radio		SIL-9
TA75557	Dual Operational Amplifier	NTE1529	SIL-9
TA75558	Dual Operational Amplifier	NTE1529	SIL-9
TBA820M	Audio Power Amplifier	NTE1117	-
TC5080P	Programmable Divider		DIL-16
TC5081P	PLL Phase-Locked-Loop	NTE1208	SIL-9
TC5082P	Oscillator and Reference Divider	NTE1197	SIL-9
TC9100P	PLL Frequency Synthesizer	NTE1167	DIL-16
TC9102	PLL Frequency Synthesizer		DIL-18
TC9103	PLL Frequency Synthesizer		DIL-18
TC9106	PLL Frequency Synthesizer		DIL-18
TC9109	PLL Frequency Synthesizer		DIL-18
TC9119	PLL Frequency Synthesizer		DIL-18
TC9122P	Programmable Divider		DIL-18
TCA3189	FM IF-amplifier and Detector	NTE7016	DIL-16
TDA1200	FM IF-amplifier and Detector	NTE788	DIL-16
TDA1352	Video Amplifier	NTE749	DIL-8
TDA2002	Audio Power Amplifier	NTE7000	-
TDA1905	Audio Power Amplifier	NTE7000	DIL-16
TDA2003	Audio Power Amplifier	NTE1288	-
TDA6130-5	Duble Balanced Modulator / Demodulator		DIL-14
TDA7000	FM radio circuit		DIL-18
TK10483	Narrowband FM/AM IF-amplifier and Demodulator		SIL-20
TK10487M	Narrowband FM/AM IF-amplifier and Demodulator		DIL-20
TK10930V	Narrowband FM/AM IF-amplifier and Demodulator		DIL-24
TM1104	Balanced RF / IF Amplifier	NTE1104	SIL-5

TM1153	Audio Power Amplifier		SIL-10
uA796	Balanced modulator / Demodulator		DIL-14
ULN2111N	Low Power Narrowband FM IF	NTE708	DIL-14
ULN2113N	Low Power Narrowband FM IF	NTE709	DIL-14
ULN2165N	FM IF Amplifier and Discriminator	NTE712	DIL-14
UMA1014	PLL Frequency Synthesizer		DIL-16
uPC563	Audio Power Amplifier	NTE1081	SIL-10
uPC577H	Balanced RF Amplifier	NTC1082	SIL-7
uPC1001	Audio Power Amplifier	NTE1127	SIL-10
uPC1024	Audio Power Amplifier		SIL-10
uPC1025	Audio Power Amplifier	NTE1081A	SIL-10
uPC1028H	FM IF Amplifier and Discriminator		SIL-7
uPC1037H	Duble Balanced Mixer / Amplifier		SIL-8
uPC1156	Audio Power Amplifier		SIL-10
uPC1167C2	FM IF Amplifier and Discriminator	NTE1488	DIL-16
uPC1182H	5 Watt Audio Power Amplifier	NTE1286	SIL-7
uPC1241H	5 Watt Audio Power Amplifier	NTE7101	SIL-8
uPC1242H	5 Watt Audio Power Amplifier		SIL-8
uPC1352	Video Amplifier	NTE1416	DIL-8
uPD858	PLL Frequency Synthesizer	NTE1198	DIL-24
uPD861C	PLL Frequency Synthesizer	NTE1254	DIL-24
uPD2810	PLL Frequency Synthesizer		DIL-24
uPD2812	PLL Frequency Synthesizer		DIL-22
uPD2814	PLL Frequency Synthesizer		DIL-22
uPD2814C	PLL Frequency Synthesizer		DIL-24
uPD2816	PLL Frequency Synthesizer		DIL-22

[uPD2824](#)

PLL Frequency Synthesizer

DIL-22