

## 2. Reference Information

### 2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

A	Ampere	MV	Megavolt
Ah	Ampere-hour	MW	Megawatt
Å	Angstrom	MΩ	Megohm
dB	Decibel	m	Meter
dBm	Decibel Referenced to One Milliwatt	μA	Microampere
°C	Degree Celsius	μF	Microfarad
°F	Degree Fahrenheit	μH	Microhenry
°K	degree Kelvin	μm	Micrometer
F	Farad	μs	Microsecond
G	Gauss	μW	Microwatt
GHz	Gigahertz	mA	Milliampere
g	Gram	mg	Milligram
H	Henry	mH	Millihenry
Hz	Hertz	ml	Milliliter
h	Hour	mm	Millimeter
ips	Inches Per Second	ms	Millisecond
kWh	Kilowatt-hour	mV	Millivolt
kg	Kilogram	nF	Nanofarad
kHz	Kilohertz	Ω	Ohm
kΩ	Kilohm	pF	Picofarad
km	Kilometer	lb	Pound
km/h	Kilometer Per Hour	rpm	Revolutions Per Minute
kV	Kilovolt	rps	Revolutions Per Second
kVA	Kilovolt-ampere	s	Second (Time)
kW	Kilowatt	V	Volt
l	Liter	VA	Volt-ampere
MHz	Megahertz	W	Watt
		Wh	Watt-hour

Table 2-1 Abbreviations

ABL	Automatic Brightness Limiter	I/O	Input/output
AC	Alternating Current	L	Left
ACC	Automatic Chroma Control	L	Low
AF	Audio Frequency	LED	Light Emitting Diode
AFC	Automatic Frequency Control	LF	Low Frequency
AFT	Automatic Fine Tuning	MOSFET	Metal-Oxide-Semiconductor-Field-Effect-Tr
AGC	Automatic Gain Control	MTS	Multi-channel Television Sound
AM	Amplitude Modulation	NAB	National Association of Broadcasters
ANSI	American National Standards Institute	NEC	National Electric Code
APC	Automatic Phase Control	NTSC	National Television Systems Committee
APC	Automatic Picture Control	OSD	On Screen Display
A/V	Audio-Video	PCB	Printed Circuit Board
AVC	Automatic Volume Control	PLL	Phase-Locked Loop
BAL	Balance	PWM	Pulse Width Modulation
BPF	Bandpass Filter	QIF	Quadrature Intermediate Frequency
B-Y	Blue-Y	R	Right
CATV	Community Antenna Television (Cable TV)	RC	Resistor & Capacitor
CB	Citizens Band	RF	Radio Frequency
CCD	Charge Coupled Device	R-Y	Red-Y
CCTV	Closed Circuit Television	SAP	Second Audio Program
Ch	Channel	SAW	Surface Acoustic Wave(Filter)
CRT	Cathode Ray Tube	SIF	Sound Intermediate Frequency
CW	Continuous Wave	SMPS	Switching Mode Power Supply
DC	Direct Current	S/N	Signal/Noise
DVM	Digital Volt Meter	SW	Switch
EIA	Electronics Industries Association	TP	Test Point
ESD	Electrostatic Discharge	TTL	Transistor Transistor Logic
ESD	Electrostatically Sensitive Device	TV	Television
FBP	Feedback Pulse	UHF	Ultra High Frequency
FBT	Flyback Transformer	UL	Underwriters Laboratories
FF	Flip-Flop	UV	Ultraviolet
FM	Frequency Modulation	VCD	Variable-Capacitance Diode
FS	Fail Safe	VCO	Voltage Controlled Oscillator
GND	Ground	VCXO	Voltage Controlled Crystal Oscillator
G-Y	Green-Y	VHF	Very High Frequency
H	High	VIF	Video Intermediate Frequency
HF	High-Frequency	VR	Variable Resistor
HI-FI	High Fidelity	VTR	Video Tape Recorder
IC	Inductance-Capacitance	VTVM	Vacuum Tube Voltmeter
IC	Integrated Circuit	TR	Transistor
IF	Intermediate Frequency		

## 2-1 Tables of Abbreviations and Acronyms

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100 Series .....	IF processing
200 Series .....	Video, Chroma Processing
300 Series .....	Vertical Deflection
400 Series .....	Horizontal deflection
500 Series .....	CRT Drive Processing
600 Series .....	Sound Processing
700 Series .....	A/V Switching Processing
800 Series .....	AC Input Power Supply
900 Series .....	MICOM Section
RT, CT, ICT .....	TELETEXT Section
RC, CC, HC, SWY .....	SNAP-IN Section (Control)
RV,CV,LV,QV .....	V/M Section
RJ,CJ,LJ,DJ,ICJ .....	NICAM Section
RP,CPLP,XP,ICP .....	PIP Section
RC,CC,DZC,QC .....	COMB Filter Section
RP,PD .....	POWER-S/W Section

## 2-2 IC Line Up

Table 2 - 1 IC Line - Up				
Loc No.	No.	Specification	Description	Remarks
IC201	1	TDA8375	ONE CHIP TV PROCESSOR	N3 VERSION
IC203	2	TDA9177	LINE TRANSIENT IMPROVEMENT IC (LTI BOOSTER)	
IC205	3	TEA5114A	R/G/B SWITCHING IC	SCART OPTION
IC206	4	TEA5114A	R/G/B SWITCHING IC	TTX/OSD
IC207	5	TEA5114A	R/G/B SWITCHING IC	PIP/TTX
IC208	6	TDA9170	YUV PICTURE IMPROVEMENT PROCESSOR	
IC301	7	LA7845	VERTICAL AMP	POWER
IC401	8	MC4558C	OP AMPLIFIER (EW AMPLIFIER)	POWER
IC501	9	TDA6101Q	VIDEO OUTPUT AMPLIFIER	CRT
IC502	10	TDA6101Q	VIDEO OUTPUT AMPLIFIER	CRT
IC503	11	TDA6101Q	VIDEO OUTPUT AMPLIFIER	CRT
IC504	12	MC4558C	OP AMPLIFIER (TILT AMPLIFIER)	CRT
IC505	13	SPK101T	SPOT KILLER HYBRID IC	CRT
IC6001	14	TDA9875/9870	DIGITAL TV SOUND PROCESSOR	AUDIO MODULE
IC6002	15	TDA9808	VIF/SIF PROCESSOR (SIF PROCESSOR)	AUDIO MODULE
IC6003	16	TDA7050	2-CHANNEL HEADPHONE AMPLIFIER	AUDIO MODULE
IC6004	17	MC4558C	OP AMPLIFIER (AUDIO AMPLIFIER)	AUDIO MODULE
IC601	18	TDA7297	SOUND AMP	
IC701	19	CXA1855S	AUDIO/VIDEO SWITCHING IC	
IC801	20	STR-S6709	SMPS CONTROL IC	POWER
IC802	21	LTV817B	PHOTO COUPLER	POWER
IC901	22	Z89313(Z90341)	MICRO PROCESSOR	
IC902	23	KIA7042P	RESET IC	
IC903	24	PQ09RF1	9V SWITCHABLE REGULATOR	
IC904	25	KA7808	8V REGULATOR	

Table 2 - 1 IC Line - Up (Continued)				
Loc No.	No.	Specification	Description	Remarks
IC905	26	KA7812A	12V REGULATOR	
IC906	27	KA7805A	5V REGULATOR	
IC907	28	KA7808	8V REGULATOR	
IC908	29	24C08	E2PROM	
IC909	30	KA7805A	5V REGULATOR	
IC910	31	KA7805A	5V REGULATOR	
ICP03	32	TDA9160A	PAL/NTSC/SECAM DECODER AND SYNC PROCESSOR	PIP MODULE
ICP05	33	SAB9077H	PIP CONTROLLER	PIP MODULE
ICP06	34	548262	MEMORY-2M	PIP MODULE
IC101	35	PAP102	IF PRE-AMP HYBRID IC	
IC202	36	TDA4665	BASE BAND DELAY LINE	SECAM MODULE
IC203	37	TDA8395P	SECAM DECODER	SECAM MODULE
ICT01	38	SAA528IP/E	TELETEXT	
ICP02	39	TDA9808	VIF/SIF-DETECTOR	PIP MODULE
ICP01	40	PAP101	IF PRE-AMP HYBRID IC	PIP MODULE
ICP04	41	TDA3504	RGB-MATRIX	PIP MODULE
ICP07	42	KIA7042P	RESET IC	PIP MODULE
ICP08	43	TDA4665T	BASE BAND DELAY LINE	PIP MODULE

### Option : OSD Language

Table 2-2			
Loc No.	Specification	Description	Remarks
IC901	SZM-162M	ENG/ARAB/FRENCH/CHINESE/ MALAYSIA/INDONESIA/VIETNAM/ THAI/RUSSIAN/CROATIA/BULGARIA/ POLAND/ROMANIA/CZECH/TURKEY/HUNGARY	2-TUNER  MULTI-PIP  MULTI-LANGUAGE