

**Model No. LCD-32XH3**

Service Ref. No. LCD-32XH3-00



## Chassis Series: UH1-L

This T.V. receiver will not work properly in foreign countries where the television transmission system and power source differ from the design specifications. Refer to the specification table.

# Safety Notice

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## Safety Precautions

The following precautions must be observed.

- 1: Comply with all caution and safety-related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.
- 2: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, etc..

**DO NOT OPERATE THIS TELEVISION WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED.**

- 3: Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any television to the customer, the service personnel must be sure that it is completely safe to operate without danger of electrical shock.

## Product Safety Notice

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by mark  $\triangle$  in the parts list and the schematic diagram designate components in which safety can be of special significance. It is particularly recommended that only parts designated on the parts list in this manual be used for component replacement designated by mark  $\triangle$ . No deviations from resistance wattage or voltage ratings may be made for replacement items designated by mark  $\triangle$ .

# Specifications

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**Power Source** AC 100 - 240 Volts, 50/60Hz

**Receiving System** PAL-N/N, PAL-M/M, NTSC-M/M

**Channel Coverage** ANTENNA mode  
VHF: CH02 - CH13  
UHF: CH14 - CH69  
CATV mode  
VHF band: CH01-CH13  
MID band: CH14-CH22  
SUPER band: CH23-CH36  
HYPER band: CH37-CH64  
ULTRA band: CH65-CH94 and CH100-CH125  
Low MID band: CH95-CH99

**Aerial Input Impedance** 75  $\Omega$

## LCD Panel

**Screen Size** (Measured Diagonally): 32 inches

**Picture Resolution:** WXGA 1366 (Horiz.) x 768 (Vert.) pixels

**Brightness:** 500 cd/m<sup>2</sup>

**Audio Output (RMS)** 5W+5W

**Speakers** 6 cm x 12 cm x 2 pcs.

## Input and Output Terminals

**AV1 Input** Video: Composite video Input (RCA Jack) x 1  
S-Video Input (Separated Y/C) DIN 4-pin Jack x 1  
Audio: L/R Stereo Input (RCA Jack) x 1 set

**AV2 Input** Video: Component Y (combined with composite video input), C<sub>B</sub>,C<sub>R</sub> Input (RCA Jack) x 1 set  
Audio: L/R Stereo Input (RCA Jack) x 1 set

**HDMI Input** HDMI Terminal 19 pin x 1

**Computer Input** Video Input: D-SUB 15 pin x 1  
Audio Input: Mini stereo jack x 1

## Output Terminals

Video Monitor Output: Phono jack x 1  
Audio Monitor Output: L/R Stereo Output (Phone Jack) x 1 set  
Headphone Jack: Mini stereo jack x 1

**Dimensions** 952 (W) X 558 (H) X 228 (D) mm (Included Swivel Stand)

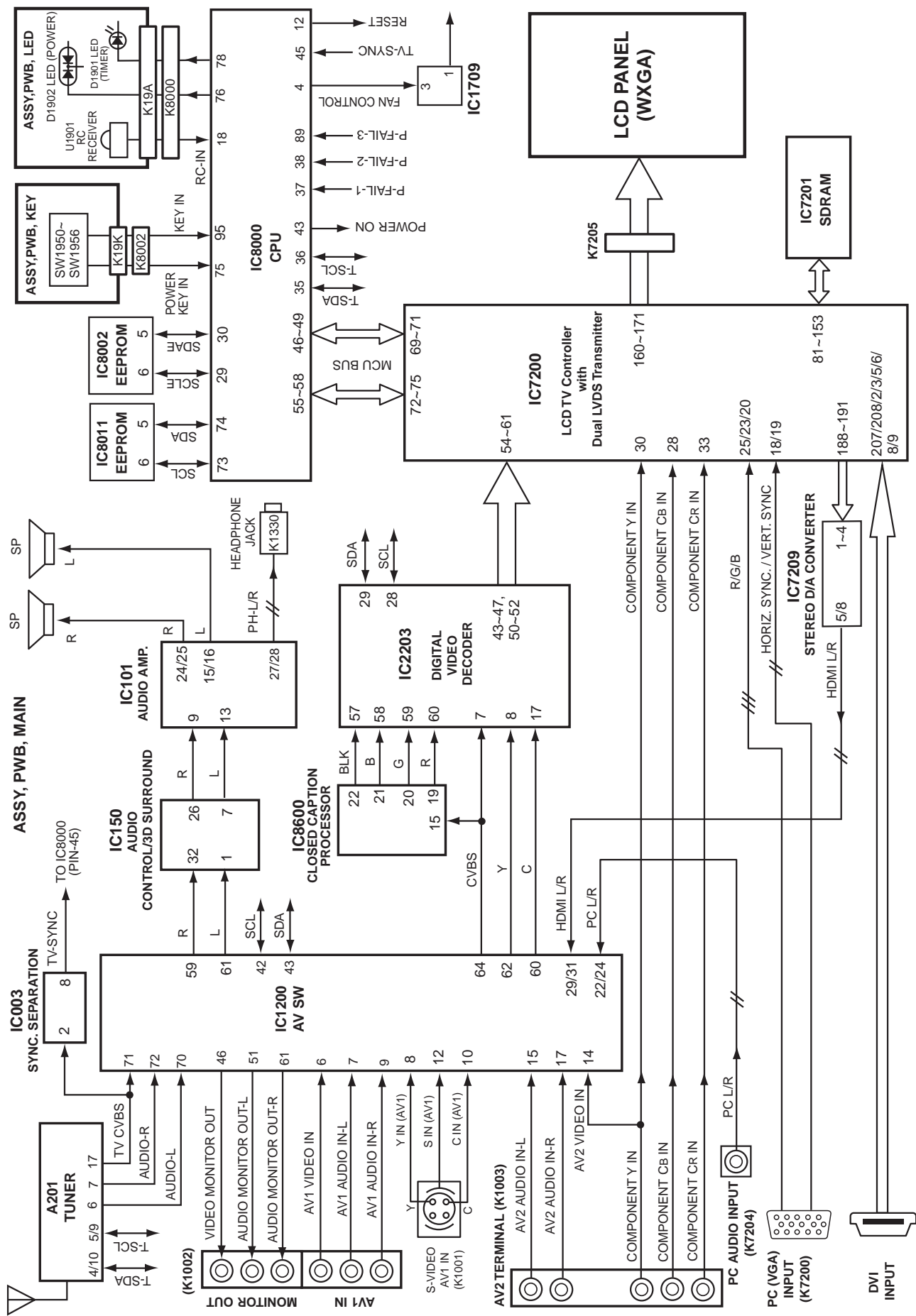
**Weight** approx. 19.5kg (Included Swivel Stand)

## Environmental Considerations

<b>Operating Temperature</b>	0°C ~ 40°C (32°F ~ 104°F)
<b>Operating Humidity</b>	20 ~ 80%
<b>Storage Temperature</b>	-10°C ~ 50°C (14°F ~ 122°F)
<b>Storage Humidity</b>	20 ~ 80%

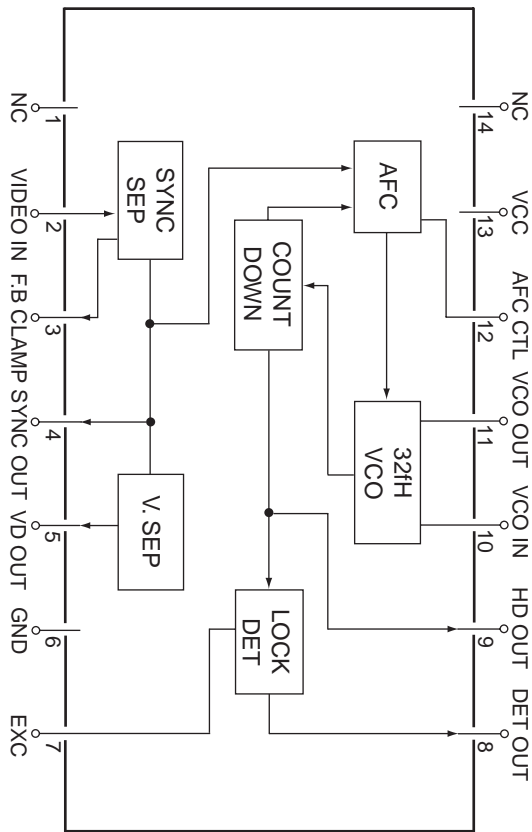
Specifications subject to change without notice.

# Chassis Block Diagram

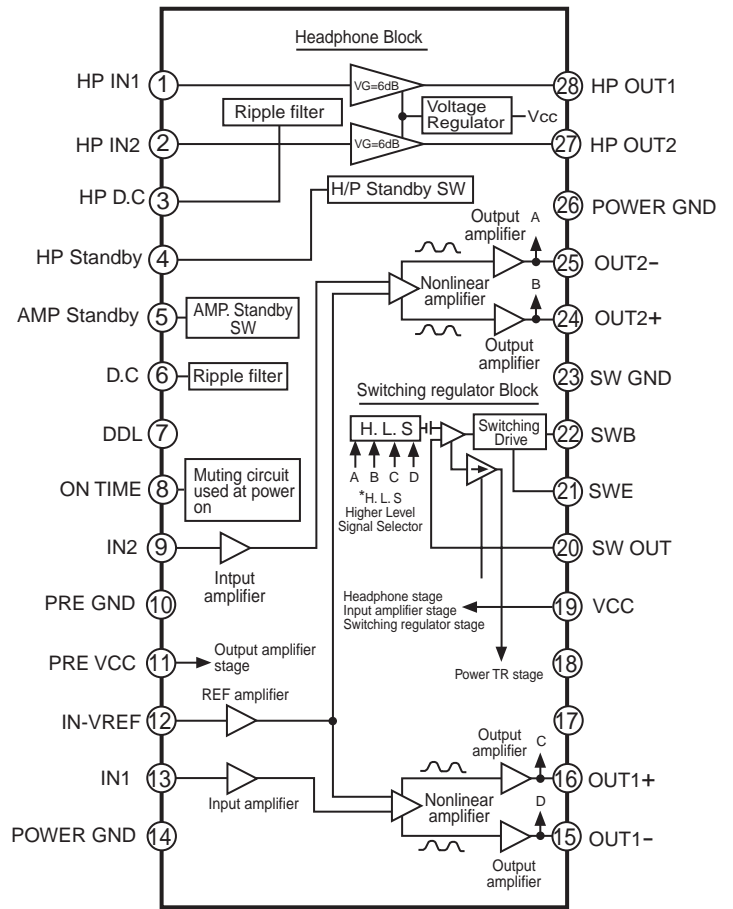


# IC Block Diagrams (On the ASSY, PWB, MAIN)

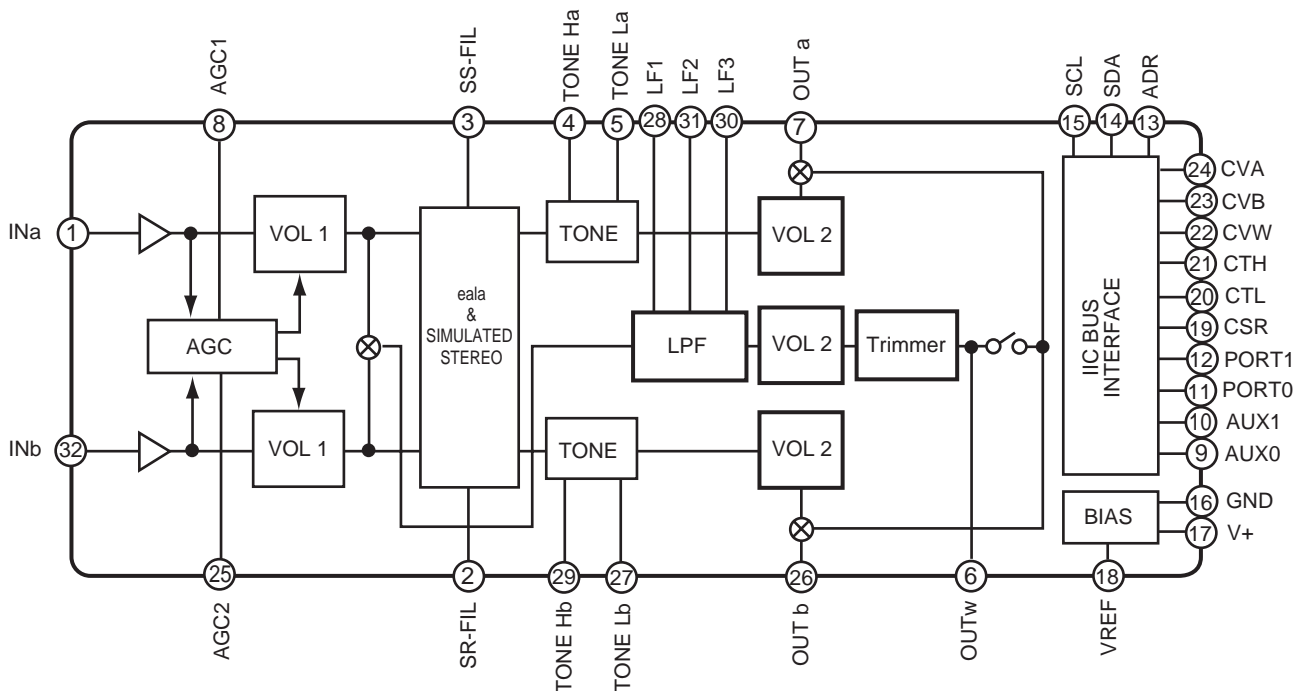
**IC003 < Sync. Separation > LA7217M-T**



**IC101 < AUDIO AMP. > LA4919N-E**

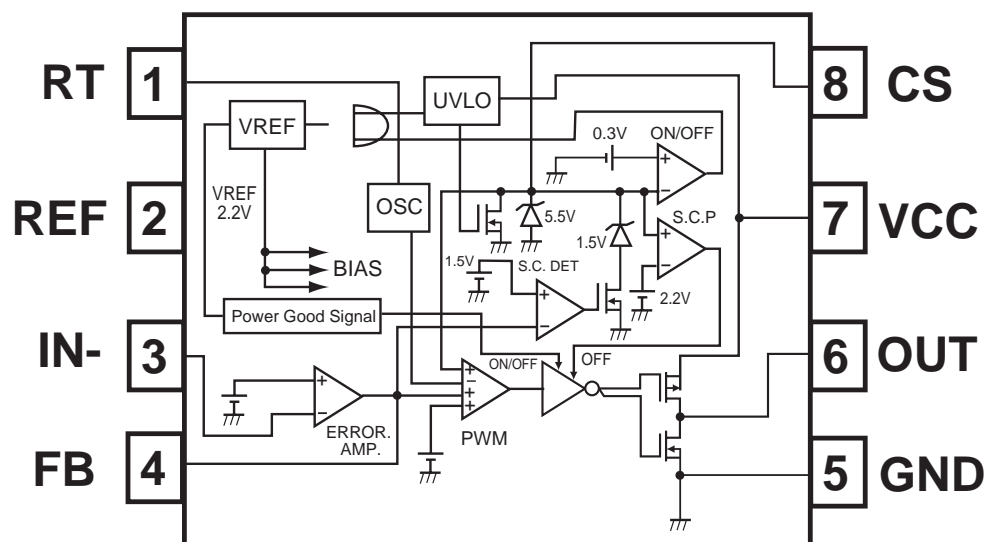


**IC150 < Audio Control/ 3D Surround > NJW1167V**

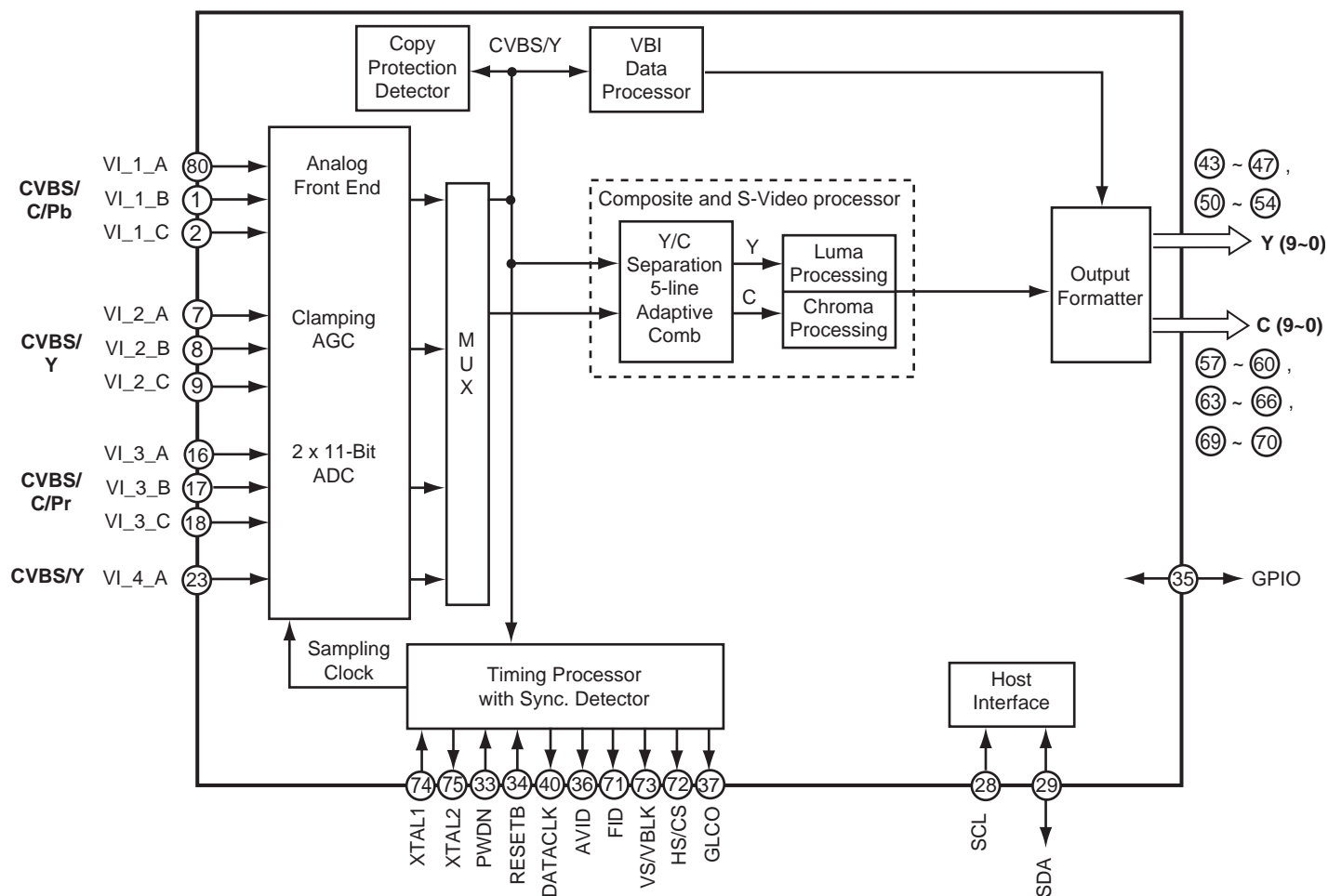


# IC Block Diagrams (On the ASSY, PWB, MAIN)

## IC1651 < 1 ch Power Controller by the PWM Switching System > FA7700V-TE1



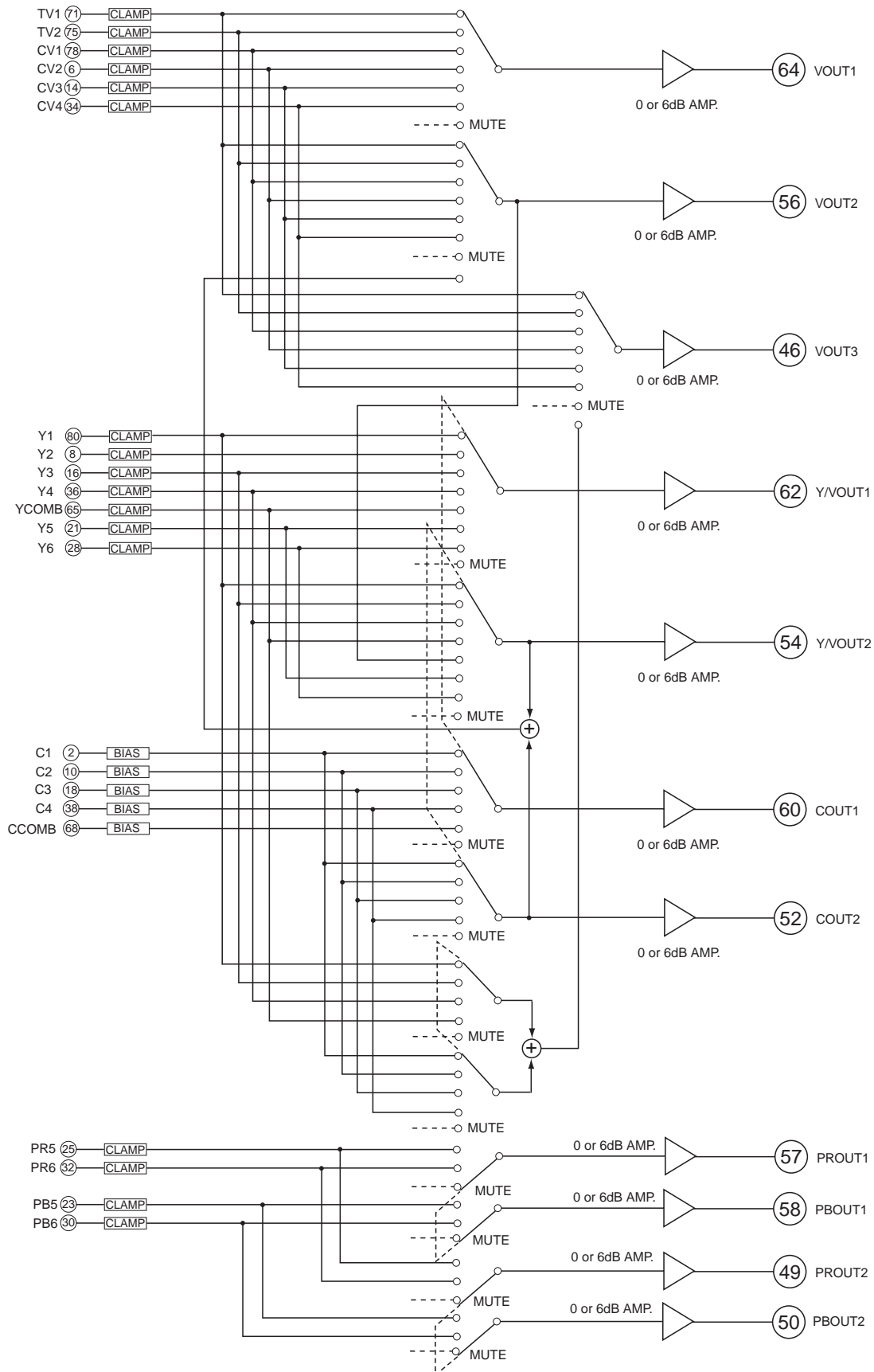
## IC2203 < Digital Video Decoder > TVP5147PFP



# IC Block Diagrams (On the ASSY, PWB, MAIN)

## IC1200 < AV Switch > LA79500E

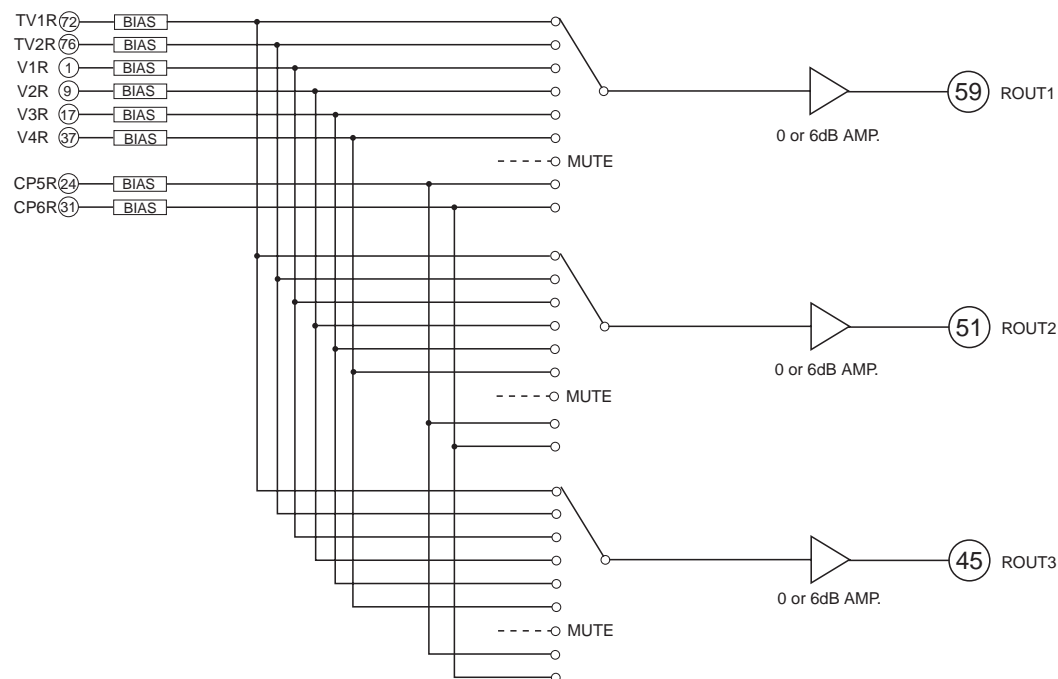
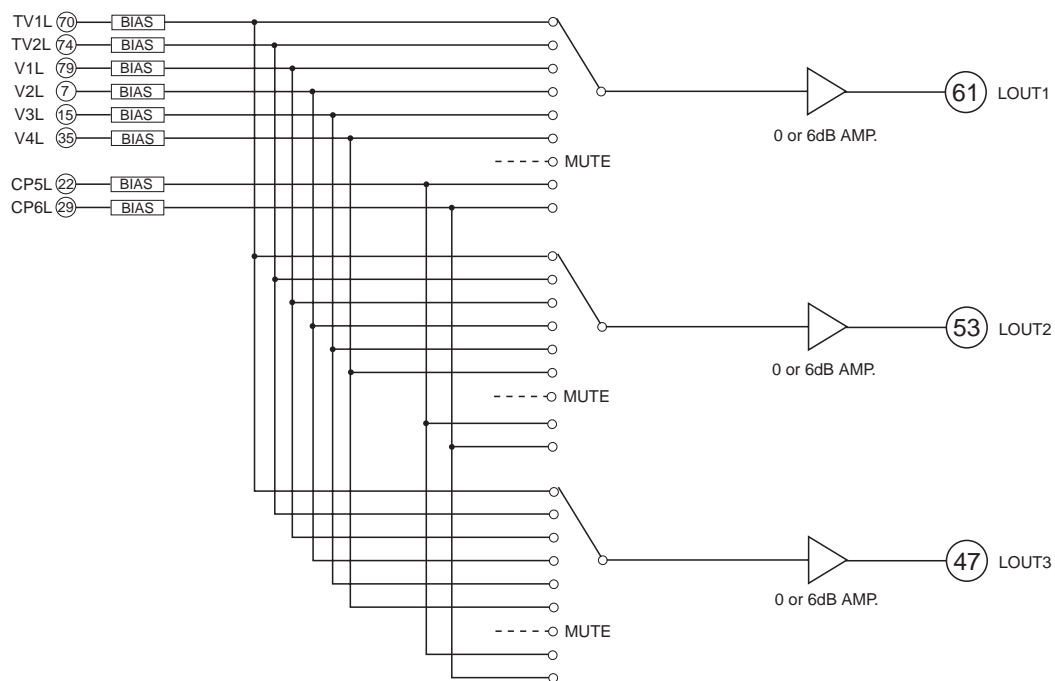
### VIDEO BLOCK



# IC Block Diagrams (On the ASSY, PWB, MAIN)

IC1200 < AV Switch > LA79500E

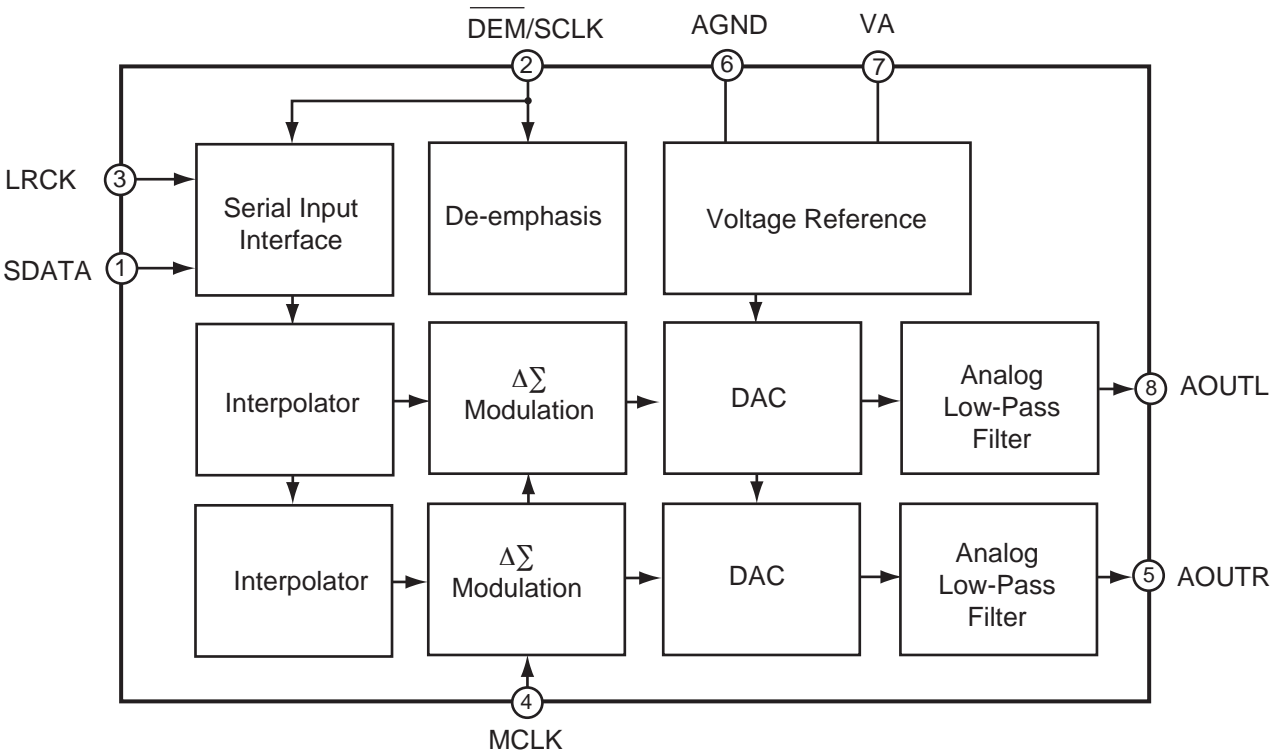
## AUDIO BLOCK





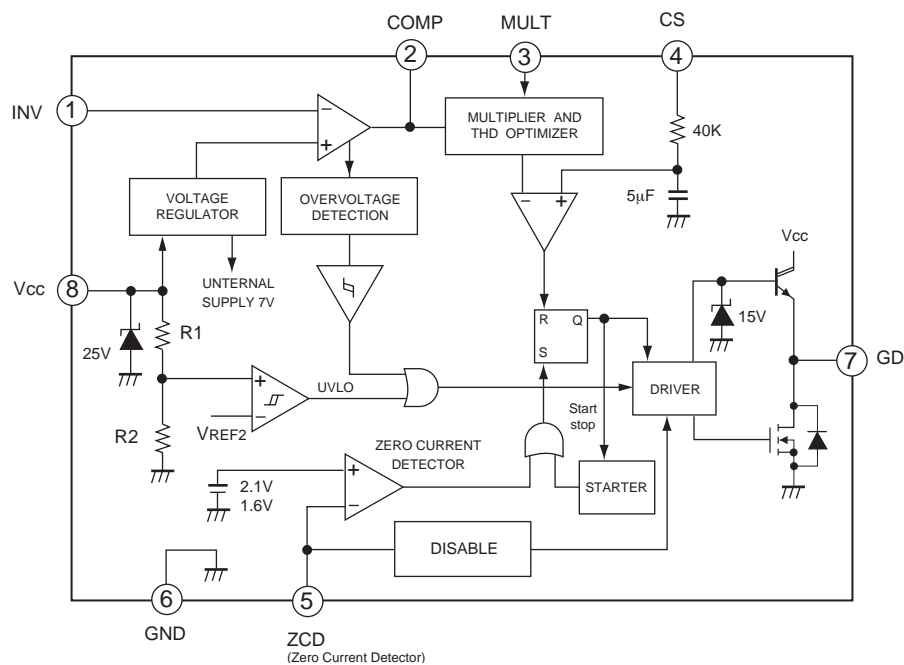
# IC Block Diagrams (On the ASSY, PWB, MAIN)

## IC7209 < Stereo D/A Converter > CS4334-KSZ

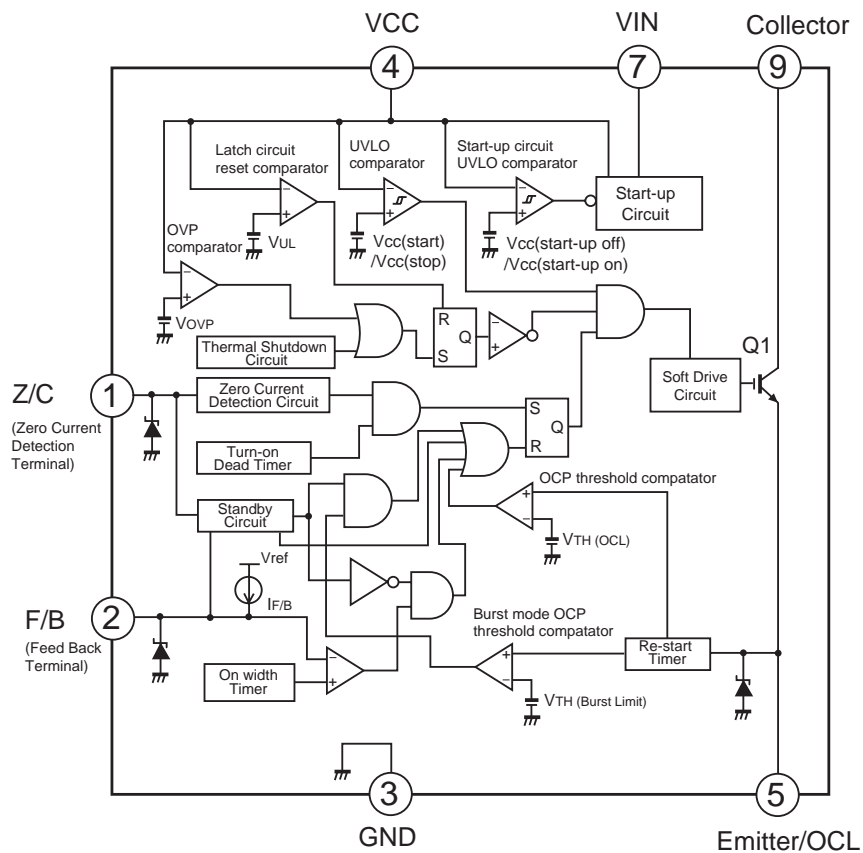


# IC Block Diagrams (On the ASSY, PWB, POWER)

## IC601 < Transition-mode PFC Controller > L6562D

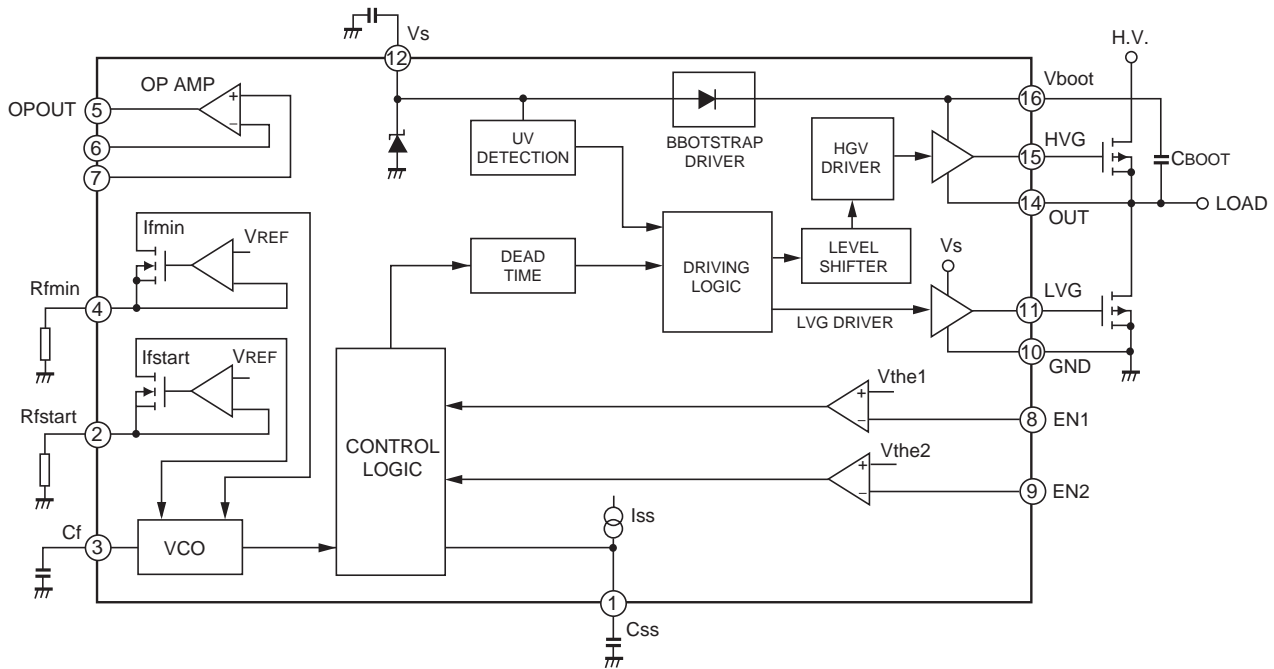


## IC602 MR4010-7101



# IC Block Diagrams (On the ASSY, PWB, POWER)

## IC603 < High Voltage Resonant Controller > L6598D



# IC7200 (LCD TV Controller with Dual LVDS Transmitter) Port Functions

## MCU Interface

Pin No.	Pin Name	Pin Type	Function
67	HWRESET	Schmitt Trigger Input w/5V-tolerant	Hardware Reset, active high
75-72	DBUS[3:0]	I/O w/5V-tolerant	MCU 4-bit DDR Direct bus; 4mA driving strength
69	ALE	I w/5V-tolerant	MCU Bus ALE, active high
70	RDZ	I w/5V-tolerant	MCU Bus RDZ, active high
71	WRZ	I w/5V-tolerant	MCU Bus WRZ, active high
68	INT	Output	MCU Bus Interrupt; 4mA driving strength

## Analog Interface

Pin No.	Pin Name	Pin Type	Function
38	RMID		Mid-Scale Voltage Bypass
39	REFP		Internal ADC Top De-coupling Pin
40	REFM		Internal ADC Bottom De-coupling Pin
11	REXT	Analog	External resister 390 ohm to AVDD_DVI
36	HSYNC0	Schmitt Trigger Input w/5V-tolerant	Analog HSYNC Input from Channel 0
37	VSYNC0	Schmitt Trigger Input w/5V-tolerant	Analog VSYNC Input from Channel 0
27	BIN0M	Analog Input	Reference Ground for Analog Blue Input from Channel 0
28	BIN0P	Analog Input	Analog Blue Input from Channel 0
29	GIN0M	Analog Input	Reference Ground for Analog Green Input from Channel 0
30	GIN0P	Analog Input	Analog Green Input from Channel 0
31	SOGIN0	Analog Input	Sync On Green Input from Channel 0
32	RIN0M	Analog Input	Reference Ground for Analog Red Input from Channel 0
33	RIN0P	Analog Input	Analog Red Input from Channel 0
18	HSYNC1	Schmitt Trigger Input w/5V-tolerant	Analog HSYNC Input from Channel 1
19	VSYNC1	Schmitt Trigger Input w/5V-tolerant	Analog VSYNC Input from Channel 1
20	BIN1P	Analog Input	Analog Blue Input from Channel 1
21	BIN1M	Analog Input	Reference Ground for Analog Blue Input from Channel 1
22	SOGIN1	Analog Input	Sync On Green Input from Channel 1
23	GIN1P	Analog Input	Analog Green Input from Channel 1
24	GIN1M	Analog Input	Reference Ground for Analog Green Input from Channel 1
25	RIN1P	Analog Input	Analog Red Input from Channel 1
26	RIN1M	Analog Input	Reference Ground for Analog Red Input from Channel 1

## DVI Interface

Pin No.	Pin Name	Pin Type	Function
207	DVI_R+	Input	DVI Input Channel Red +
208	DVI_R-	Input	DVI Input Channel Red -
2	DVI_G+	Input	DVI Input Channel Green +
3	DVI_G-	Input	DVI Input Channel Green -
5	DVI_B+	Input	DVI Input Channel Blue +
6	DVI_B-	Input	DVI Input Channel Blue -
8	DVI_CK+	Input	DVI Input Clock +
9	DVI_CK-	Input	DVI Input Clock -

## Video Interface

Pin No.	Pin Name	Pin Type	Function
53	VI_CK	Input w/ 5V-tolerant	Digital Video Input Clock
48-41,61-54	VI_DATA[15:0]	Input w/ 5V-tolerant	Digital Video Input Data[15:0]

# IC7200 (LCD TV Controller with Dual LVDS Transmitter) Port Functions

## Digital Audio Interface

Pin No.	Pin Name	Pin Type	Function
188	AUMCK	Output	Audio Master Clock Output
189	AUSD	Output	Audio Serial Data Output; 4mA driving strength
190	AUSCK	Output	Audio Serial Clock Output; 4mA driving strength
191	AUWS	Output	Word Select Output; 4mA driving strength
192	AUMUTE	Output	Audio Output Mute Control
193	SPDIFO	Output	S/PDIF Audio Output; 4mA driving strength
196	AIMCK	Input	Audio Master Clock Input
197	AISD	Input	Audio Serial Data Input
198	AISCK	Input	Audio Serial Clock Input
199	AIWS	Input	Word Select Input

## LVDS Interface

Pin No.	Pin Name	Pin Type	Function
171	LVA0M	Output	A-Link Negative LVDS Differential Data Output
170	LVA0P	Output	A-Link Positive LVDS Differential Data Output
169	LVA1M	Output	A-Link Negative LVDS Differential Data Output
168	LVA1P	Output	A-Link Positive LVDS Differential Data Output
167	LVA2M	Output	A-Link Negative LVDS Differential Data Output0
166	LVA2P	Output	A-Link Positive LVDS Differential Data Output
161	LVA3M	Output	A-Link Negative LVDS Differential Data Output
160	LVA3P	Output	A-Link Positive LVDS Differential Data Output
165	LVACKM	Output	A-Link Negative LVDS Differential Data Output
164	LVACKP	Output	A-Link Positive LVDS Differential Data Output
187	LVB0M	Output	B-Link Negative LVDS Differential Data Output
186	LVB0P	Output	B-Link Positive LVDS Differential Data Output
181	LVB1M	Output	B-Link Negative LVDS Differential Data Output
180	LVB1P	Output	B-Link Positive LVDS Differential Data Output
179	LVB2M	Output	B-Link Negative LVDS Differential Data Output
178	LVB2P	Output	B-Link Positive LVDS Differential Data Output
175	LVB3M	Output	B-Link Negative LVDS Differential Data Output
174	LVB3P	Output	B-Link Positive LVDS Differential Data Output
177	LVBCKM	Output	B-Link Negative LVDS Differential Data Output
176	LVBCKP	Output	B-Link Positive LVDS Differential Data Output

## GPO Interface

Pin No.	Pin Name	Pin Type	Function
200	PWM0	Output	GPO with PWM Function; 4mA driving strength
201	PWM1	Output	GPO with PWM Function; 4mA driving strength
78	GPO[1]	I/O	GPO / FIELD Input; 4mA driving strength
77	GPO[2]	I/O	GPO / Digital VSYNC Input; 4mA driving strength
76	GPO[3]	I/O	GPO / DE Input; 4mA driving strength
52	GPO[4]	I/O	GPO / Secondary Video Clock Input; 4mA driving strength
51	GPO[5]	I/O	GPO / Digital HSYNC Input; 4mA driving strength

# IC7200 (LCD TV Controller with Dual LVDS Transmitter) Port Functions

## DRAM Interface

Pin No.	Pin Name	Pin Type	Function
104	MVREF	Input	Reference Voltage for DDR SDRAM Interface
105	MCLKE	Output	DRAM Memory Clock Enable
106	MCLKZ	Output	DRAM Memory Clock Complementary / Input (for differential clocks)
107	MCLK	Output	DRAM Memory Clock
112	RASZ	Output	Row Address Strobe, active low
115	CASZ	Output	Column Address Strobe, active low
116	WEZ	Output	Write Enable, active low
101, 133	DQM[1:0]	Output	Data Mask Byte Enable
81, 100, 134, 153	DQS[3:0]	Output	Data Strobe
110, 111	BADR[1:0]	Output	Memory Bank Address
130-127, 124-117	MADR[11:0]	Output	Memory Address
82-85, 88-99, 135-138, 141-152	MDATA[31:0]	I/O	Memory Data

## Misc. Interface

Pin No.	Pin Name	Pin Type	Function
203	XIN	Crystal Oscillator Input	Crystal Oscillator Input
202	XOUT	Crystal Oscillator Output	Crystal Oscillator Output
14	DDCD_DA	I/O w/ 5V-tolerant	HDCP Serial Bus Data / DDC Data of DVI port; 4mA driving strength
15	DDCD_CK	Input w/ 5V-tolerant	HDCP Serial Bus Clock / DDC Clock of DVI Port
158	BYPASS		For External Bypass Capacitor
62	VCTRL	Output	Regulator Control

## Power Pins

Pin No.	Pin Name	Pin Type	Function
4, 10	ADD_DVI	3.3V Power	DVI Power
17, 34	ADD_ADV	3.3V Power	ADC Power
12	ADD_PLL	3.3V Power	PLL Power
109	ADD_PLL2	3.3V Power	PLL Power
49	ADD_APLL	1.8V Power	Audio PLL Power
204	ADD_MPLL	3.3V Power	PLL Power
86, 102, 113, 125, 139, 154	VDDM	3.3V Power (SDR SDRAM) 2.5V Power (DDR DDRAM)	DRAM Interface Power
66, 162, 182	VDDP	3.3V Power	Digital Output Power
63, 79, 131, 156 173, 185, 195	VDDC	1.8V Power	Digital Core Power
1, 7, 13, 16, 35, 50, 64, 65, 80, 87, 103, 108, 114, 126, 132, 140, 155, 157, 159, 163, 172, 183, 184, 194, 205, 206	GND	Ground	Ground

# CPU (IC8000) Port Functions

## System Control (CPU: IC8000)

M30624

Pin No.	Pin Name	Function	Description
1	P96/ANEX1/SOUT4		
2	P95/ANEX0/CLK4		
3	P94/DA1/TB4IN		
4	P93/DA0/TB3IN	FANCTR	FAN CONTROL
5	P92/TB2IN/SOUT3		
6	P91/TB1IN/SIN3		
7	P90/TB0IN/CLK3	BLKON	
8	BYTE		This pin selects width of an external databus. This input is "L" to selected 16-bit width.
9	CNVss	CNVss	This pin input is "L" to select MCU operation in Single-chip.
10	P87/XCIN	P-EN	
11	P86/XCOUT	RST_MST	MST RESET PIN
12	RESET	MCU_RST	Active "L"
13	XOUT		Clock output
14	Vss		GND
15	XIN		Clock input
16	Vcc	Vcc	5V Standby
17	P85/NMI		
18	P84/INT2	MCUIR	Remote control input pin
19	P83/INT1	ARST1	Main Decode (Tvp5147) Reset pin
20	P82/INT0	CPU74	
21	P81/TA4IN/U	RL-MUTE	
22	P80/TA4OUT/U	PWR-0N1	Power On/Off
23	P77/TA3IN		
24	P76/TA3OUT	LINE-OFF	Power line-off Detect Pin
25	P75/TA2IN/W		
26	P74/TA2OUT/W		
27	P73/CTS2/RTS2/TA1IN/V	PLUG_DVI	
28	P72/CLK2/TA1OUT/V	DPU_IN	
29	P71/RxD2/TA0IN/TB5IN	SCLE	IIC-SCL(EEPROM)
30	P70/TxD2/SDA/TA0OUT	SDAE	IIC-SDA(EEPROM)
31	P67/TxD1	TXD	TXD UART communication for Mcu programming Mode
32	P66/RxD1	RXD	RXD UART communication for Mcu programming Mode
33	P65/CLK1	SCLK	SCLK Input communication for Mcu programming Mode
34	P64/CTS1/RTS1/CLKS1	BUSY	BUSY Output communication for Mcu programming Mode
35	P63/TxD0	TSDA	
36	P62/RxD0	TSCL	
37	P61/CLK0	P-FAIL 1	Power fail Detect1 (for 2.5V, 3.3V, 5V). It could active power protect when the volt under 2.5V.
38	P60/CTS0/RTS0	P-FAIL 2	Power fail Detect2 (only for 3.3V)
39	P57/RDY/CLKout		
40	P56/ALE		
41	P55/HOLD		
42	P54/HLDA		
43	P53/BCLK	PWR-0N	Power On/Off
44	P52/RD		
45	P51/WRH/BHE	TV-SYNC	
46	P50/WRL/WR	5VSTB	5V Standby
47	P47/CS3	WRZ	MCU Bus WRZ output (Active=High)
48	P46/CS2	RDZ	MCU Bus RDZ output (Active=High)

# CPU (IC8000) Port Functions

Pin No.	Pin Name	Function	Description
49	P45/CS1	ALE	MCU Bus ALE output (Active=High)
50	P44/CS0		
51	P43/A19	DRC_ON	
52	P42/A18		
53	P41/A17		
54	P40/A16		
55	P37/A15	BUD3	MCU 4bit DDR Direct bus
56	P36/A14	BUD2	MCU 4bit DDR Direct bus
57	P35/A13	BUD1	MCU 4bit DDR Direct bus
58	P34/A12	BUD0	MCU 4bit DDR Direct bus
59	P33/A11		
60	P32/A10		
61	P31/A9	DVD_SW	
62	Vcc2	Vcc2	5V_Standby
63	P30/A8(/-/D7)	AV1_S	
64	Vss	Vss	GND
65	P27/A7(/D7/D6)		
66	P26/A6(/D6/D5)		
67	P25/A5(/D5/D4)	AMP_MUTE1	
68	P24/A4(/D4/D3)		
69	P23/A3(/D3/D2)		
70	P22/A2(/D2/D1)		
71	P21/A1(/D1/D0)		
72	P20/A0(/D0/-)		
73	P17/D15/INT5	SCL	IIC-BUS SCL
74	P16/D14/INT4	SDA	IIC-BUS SDA
75	P15/D13/INT3	POWER_SW	Power Switch Input
76	P14/D12	LED1	Stand-by and Power LED Output
77	P13/D11	FAN Lock	FAN Lock
78	P12/D10	OFF TIMER_LED	OFF TIMER LED output
79	P11/D9	LED2	
80	P10/D8		
81	P07/D7		
82	P06/D6		
83	P05/D5		
84	P04/D4		
85	P03/D3		
86	P02/D2		
87	P01/D1		
88	P00/D0		
89	P107/AN7/KI3	FAIL3	Power Failure
90	P106/AN6/KI2	M-AFT	Tuner AFT input pin
91	P105/AN5/KI1		
92	P104/AN4/KI0	TSENSE	Temp. Sensor1 connected to Thermistor
93	P103/AN3		
94	P102/AN2		
95	P101/AN1	KEY-IN	Key Board Input
96	AVss	AVss	GND
97	P100/AN0		
98	VREF		Vcc
99	AVcc	AVcc	5V_Standby
100	P97/ADTRG/SIN4		



# On-screen Service Menu System

## General

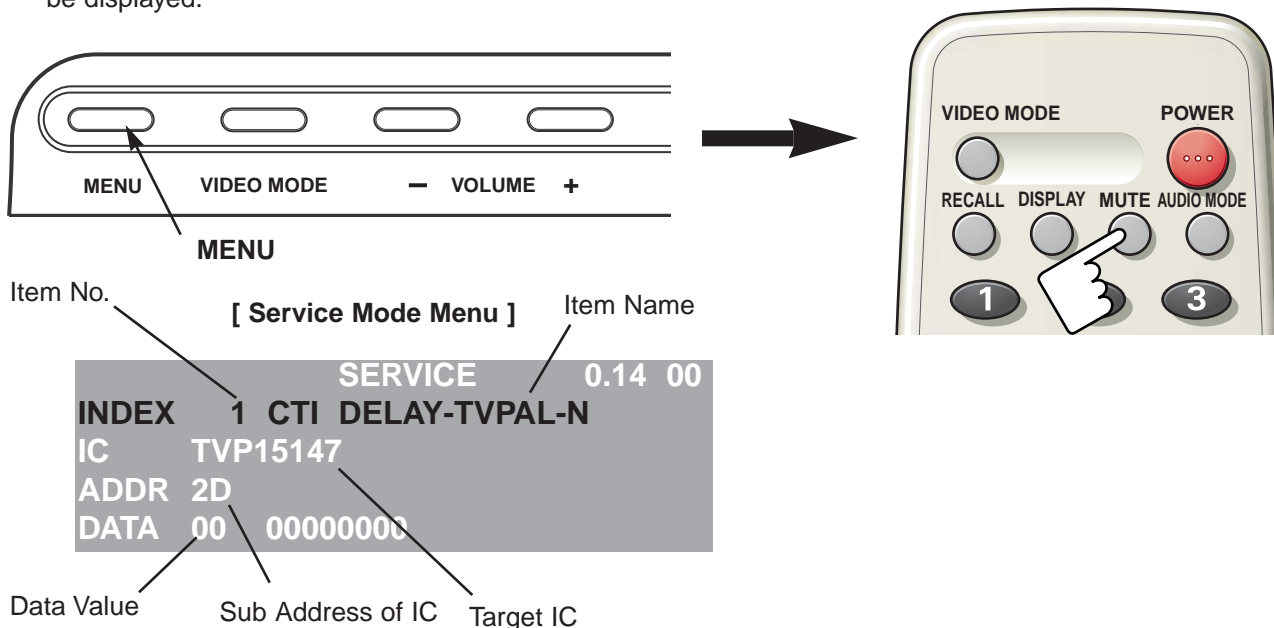
This set has an **On-screen Service Menu System** included in the CPU that allows remote operation for most of the service adjustments.

## On-screen Service Menu System

Quick operation is needed to enter Service Mode.

### ■ How to enter the Service Menu

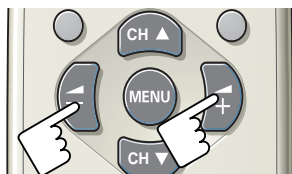
1. Press and hold the **MENU** button on top controls.
2. Keep pressing the **MENU** button and press the **MUTE** button on the remote control, and the service mode menu will be displayed.



### ■ How to select the service item and adjust data:

#### To select service item

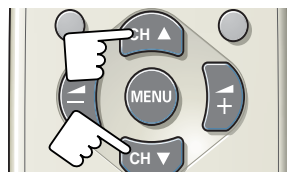
- 1) Select "INDEX" line and press + or - button.



		SERVICE		2.06	00		
INDEX	2	CTI	DELAY-VideoPAL-N				
IC	TVP15147						
ADDR	2D						
DATA	00	00000000					

#### To adjust data:

- 1) Select "DATA" line by pressing ▲ or ▼ button.



		SERVICE		2.06	00		
INDEX	2	CTI	DELAY-VideoPAL-N				
IC	TVP15147						
ADDR	2D						
DATA	00	00000000					

- 2) Press + or - button to adjust data.

### ■ To exit service mode

To exit service mode, turn the TV off by pressing the **POWER ON/OFF** button on the top controls or remote control.

**Note:** The all adjusted data in service mode will be memorized into EEPROM automatically.

# On-screen Service Menu System

## ■ Service Adjustment Data Table

Item No.	Item Name	Initial Data	Target IC	Description
1	CTI DELAY-TVPAL-N	00	TVP5147	TV(PAL-N) DELAY CTI
2	CTI DELAY-VideoPAL-N	00	TVP5147	VIDEO(PAL-N) DELAY CTI
3	CTI DELAY-S-PAL-N	00	TVP5147	S-VIDEO(PAL-N) DELAY CTI
4	CTI DELAY-TVN	00	TVP5147	TV (NTSC) DELAY CTI
5	CTI DELAY-VideoN	00	TVP5147	VIDEO (NTSC) DELAY CTI
6	CTI DELAY-S-N	00	TVP5147	S-VIDEO (NTSC) DELAY CTI
7	CTI DELAY-TVAL-M	00	TVP5147	TV (PAL-M) DELAY CTI
8	CTI DELAY-VideoPAL-M	00	TVP5147	VIDEO(PAL-M) DELAY CTI
9	CTI DELAY-S-PAL-M	00	TVP5147	S-VIDEO(PAL-M) DELAY CTI
10		00	TVP5147	
11		00	TVP5147	
12		00	TVP5147	
13	SET DELAY-TVPAL-N	00	TVP5147	TV(PAL-N) DELAY SET
14	SET DELAY-VideoPAL-N	00	TVP5147	VIDEO(PAL-N) DELAY SET
15	SET DELAY-S-PAL-N	00	TVP5147	S-VIDEO(PAL-N) DELAY SET
16	SET DELAY-TVN	00	TVP5147	TV (NTSC) DELAY SET
17	SET DELAY-VideoN	00	TVP5147	VIDEO(NTSC) DELAY SET
18	SET DELAY-S-N	00	TVP5147	S-VIDEO(NTSC) DELAY SET
19	SET DELAY-TVPAL-M	00	TVP5147	TV(PAL-M) DELAY SET
20	SET DELAY-VideoPAL-M	00	TVP5147	VIDEO(PAL-M) DELAY SET
21	SET DELAY-S-PAL-M	00	TVP5147	S-Video(PAL-M) DELAY SET
22		00	TVP5147	
23		00	TVP5147	
24		00	TVP5147	
25	PEAK GAIN-TV	00	TVP5147	RF INPUT
26	PEAK GAIN-OTHER	01	TVP5147	EXCEPT RF INPUT
27	TRAP-TV	04	TVP5147	RF INPUT
28	TRAP-OTHER	00	TVP5147	EXCEPT RF INPUT
29	CTI GAIN-TV	00	TVP5147	RF INPUT
30	CTI GAIN-OTHER	00	TVP5147	EXCEPT RF INPUT
31	CTI SLICE LEVEL-TV	00	TVP5147	RF INPUT
32	CTI SLICE LEVEL-OTHER	00	TVP5147	EXCEPT RF INPUT
33	BRIGHTNESS-TV	80	TVP5147	RF INPUT
34	BRIGHTNESS-AV	80	TVP5147	EXCEPT RF INPUT
35	CONTRAST-TV	79	TVP5147	RF INPUT
36	CONTRAST-AV	79	TVP5147	EXCEPT RF INPUT
37	COLOUR-TV	80	TVP5147	RF INPUT
38	COLOUR-AV	80	TVP5147	EXCEPT RF INPUT
39	HUE-TV	00	TVP5147	RF INPUT (NTSC)
40	HUE-AV	00	TVP5147	EXCEPT RF INPUT (NTSC)
41	HUE-OTHER	00	TVP5147	OTHER
42	C-BPF-TVPAL-N	08	TVP5147	RF INPUT
43	C-BPF-OTHERP-N	0E	TVP5147	EXCEPT RF INPUT
44	C-BPF-TVN	02	TVP5147	RF INPUT
45	C-BPF-OTHER-N	02	TVP5147	EXCEPT RF INPUT
46	C-BPF-TVPAL-M	08	TVP5147	RF INPUT
47	C-BPF-OTHER-M	0E	TVP5147	EXCEPT RF INPUT
48		02	TVP5147	
49		02	TVP5147	
50	COL-KILLER GAIN-TV	04	TVP5147	RF INPUT
51	COL-KILLER GAIN-OTHER	04	TVP5147	EXCEPT RF INPUT
52	575i SUB-CONT	36	MST5151A	DVD INPUT, Input Video Format: 575i
53	575i SUB-BRIGHT	40	MST5151A	↓
54	575i SUB-COLOR	28	MST5151A	
55	575i SUB-TINT	15	MST5151A	
56	575i SUB-SHARP	00	MST5151A	
57	575p SUB-CONT	00	MST5151A	DVD INPUT, Input Video Format: 575p
58	575p SUB-BRIGHT	00	MST5151A	↓
59	575p SUB-COLOR	00	MST5151A	
60	575p SUB-TINT	00	MST5151A	
61	575p SUB-SHARP	00	MST5151A	

# On-screen Service Menu System

Item No.	Item Name	Initial Data	Target IC	Description
62	480i SUB-CONT	00	MST5151A	DVD INPUT, Input Video Format: 480i
63	480i SUB-BRIGHT	00	MST5151A	↓
64	480i SUB-COLOR	00	MST5151A	↓
65	480i SUB-TINT	00	MST5151A	↓
66	480i SUB-SHARP	00	MST5151A	↓
67	480p SUB-CONT	00	MST5151A	DVD INPUT, Input Video Format: 480p
68	480p SUB-BRIGHT	00	MST5151A	↓
69	480p SUB-COLOR	00	MST5151A	↓
70	480p SUB-TINT	00	MST5151A	↓
71	480p SUB-SHARP	00	MST5151A	↓
72	1080i(60) SUB-CONT	00	MST5151A	DVD INPUT, Input Video Format: 1080(60)i
73	1080i(60) SUB-BRIGHT	00	MST5151A	↓
73	1080i(60) SUB-COLOR	00	MST5151A	↓
75	1080i(60) SUB-TINT	00	MST5151A	↓
76	1080i(60) SUB-SHARP	00	MST5151A	↓
77	1080i(50) SUB-CONT	00	MST5151A	DVD INPUT, Input Video Format: 1080(50)i
78	1080i(50) SUB-BRIGHT	00	MST5151A	↓
79	1080i(50) SUB-COLOR	00	MST5151A	↓
80	1080i(50) SUB-TINT	00	MST5151A	↓
81	1080i(50) SUB-SHARP	00	MST5151A	↓
82	720p SUB-CONT	00	MST5151A	DVD INPUT, Input Video Format: 720p
83	720p SUB-BRIGHT	00	MST5151A	↓
84	720p SUB-COLOR	00	MST5151A	↓
85	720p SUB-TINT	00	MST5151A	↓
86	720p SUB-SHARP	00	MST5151A	↓
87	1080P (50) SUB-CONT	00	MST5151A	DVD INPUT, Input Video Format: 1080p(50)
88	1080P (50) SUB-BRIGHT	00	MST5151A	↓
89	1080P (50) SUB-COLOR	00	MST5151A	↓
90	1080P (50) SUB-TINT	00	MST5151A	↓
91	1080P (50) SUB-SHARP	00	MST5151A	↓
92	1080P (60) SUB-CONT	00	MST5151A	DVD INPUT, Input Video Format: 1080p(60)
93	1080P (60) SUB-BRIGHT	00	MST5151A	↓
94	1080P (60) SUB-COLOR	00	MST5151A	↓
95	1080P (60) SUB-TINT	00	MST5151A	↓
96	1080P (60) SUB-SHARP	00	MST5151A	↓
97	PC SUB-CONT	00	MST5151A	PC INPUT
98	PC SUB-BRIGHT	00	MST5151A	↓
99	PC SUB-COLOR	00	MST5151A	↓
100	PC SUB-TINT	00	MST5151A	↓
101	PC SUB-SHARP	00	MST5151A	↓
102	HDMI SUB-CONT	00	MST5151A	HDMI INPUT
103	HDMI SUB-BRIGHT	F0	MST5151A	↓
104	HDMI SUB-COLOR	00	MST5151A	↓
105	HDMI SUB-TINT	00	MST5151A	↓
106	HDMI SUB-SHARP	00	MST5151A	↓
107	AVPAL-N SUB-CONT	00	MST5151A	INPUT SWITCH: VIDEO (PAL-N)
108	AVPAL-N SUB-BRIGHT	00	MST5151A	↓
109	AVPAL-N SUB-COLOR	00	MST5151A	↓
110	AVPAL-N SUB-TINT	00	MST5151A	↓
111	AVPAL-N SUB-SHARP	00	MST5151A	↓
112	AVN SUB-CONT	00	MST5151A	INPUT SWITCH: VIDEO (NTSC)
113	AVN SUB-BRIGHT	00	MST5151A	↓
114	AVN SUB-COLOR	00	MST5151A	↓
115	AVN SUB-TINT	00	MST5151A	↓
116	AVN SUB-SHARP	00	MST5151A	↓
117	AVPAL-M SUB-CONT	00	MST5151A	INPUT SWITCH: VIDEO (PAL-M)
118	AVPAL-M SUB-BRIGHT	00	MST5151A	↓
119	AVPAL-M SUB-COLOR	00	MST5151A	↓
120	AVPAL-M SUB-TINT	00	MST5151A	↓
121	AVPAL-M SUB-SHARP	00	MST5151A	↓
122	S(50) SUB-CONT	00	MST5151A	INPUT SWITCH: S-VIDEO (PAL)

# On-screen Service Menu System

Item No.	Item Name	Initial Data	Target IC	Description
123	S(50) SUB-BRIGHT	00	MST5151A	INPUT SWITCH: S-VIDEO (PAL)
124	S(50) SUB-COLOR	00	MST5151A	↓
125	S(50) SUB-TINT	00	MST5151A	↓
126	S(50) SUB-SHARP	00	MST5151A	↓
127	S(60) SUB-CONT	00	MST5151A	INPUT SWITCH: S-VIDEO (NTSC)
128	S(60) SUB-BRIGHT	00	MST5151A	↓
129	S(60) SUB-COLOR	00	MST5151A	↓
130	S(60) SUB-TINT	00	MST5151A	↓
131	S(60) SUB-SHARP	00	MST5151A	↓
132	RFPAL-N-CONT	00	MST5151A	INPUT SWITCH: RF (PAL-N)
133	RFPAL-N-BRIGHT	00	MST5151A	↓
134	RFPAL-N-COLOR	00	MST5151A	↓
135	RFPAL-N-TINT	00	MST5151A	↓
136	RFPAL-N SUB-SHARP	00	MST5151A	↓
137	RFN-SUB-CONT	00	MST5151A	INPUT SWITCH: RF (NTSC)
138	RFN-SUB-BRIGHT	00	MST5151A	↓
139	RFN-SUB-COLOR	00	MST5151A	↓
140	RFN-SUB-TINT	00	MST5151A	↓
141	RFN-SUB-SHARP	00	MST5151A	↓
142	RFPAL-M SUB-CONT	00	MST5151A	INPUT SWITCH: RF (PAL-M)
143	RFPAL-M SUB-BRIGHT	00	MST5151A	↓
144	RFPAL-M SUB-COLOR	00	MST5151A	↓
145	RFPAL-M SUB-TINT	00	MST5151A	↓
146	RFPAL-M SUB-SHARP	00	MST5151A	↓
147	White-575i R	FE	MST5151A	DVD INPUT: 575i
148	White-575i G	FE	MST5151A	↓
149	White-575i B	FE	MST5151A	↓
150	Black-575i R	08	MST5151A	↓
151	Black-575i G	10	MST5151A	↓
152	Black-575i B	10	MST5151A	↓
153	White-575p R	00	MST5151A	DVD INPUT: 575p
154	White-575p G	00	MST5151A	↓
155	White-575p B	00	MST5151A	↓
156	Black-575p R	00	MST5151A	↓
157	Black-575p G	00	MST5151A	↓
158	Black-575p B	00	MST5151A	↓
159	White-480i R	00	MST5151A	DVD INPUT: 480i
160	White-480i G	00	MST5151A	↓
161	White-480i B	00	MST5151A	↓
162	Black-480i R	00	MST5151A	↓
163	Black-480i G	00	MST5151A	↓
164	Black-480i B	00	MST5151A	↓
165	White-480p R	00	MST5151A	DVD INPUT: 480p
166	White-480p G	00	MST5151A	↓
167	White-480p B	00	MST5151A	↓
168	Black-480p R	00	MST5151A	↓
169	Black-480p G	00	MST5151A	↓
170	Black-480p B	00	MST5151A	↓
171	White-1080I-60 R	00	MST5151A	DVD INPUT: 1080i (60)
172	White-1080I-60 G	00	MST5151A	↓
173	White-1080I-60 B	00	MST5151A	↓
174	Black-1080I-60 R	00	MST5151A	↓
175	Black-1080I-60 G	00	MST5151A	↓
176	Black-1080I-60 B	00	MST5151A	↓
177	White-1080I-50 R	00	MST5151A	DVD INPUT: 1080i (50)
178	White-1080I-50 G	00	MST5151A	↓
179	White-1080I-50 B	00	MST5151A	↓
180	Black-1080I-50 R	00	MST5151A	↓
181	Black-1080I-50 G	00	MST5151A	↓
182	Black-1080I-50 B	00	MST5151A	↓
183	White-720P R	00	MST5151A	DVD INPUT: 720P

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Item No.	Item Name	Initial Data	Target IC	Description
184	White-720P G	00	MST5151A	DVD INPUT: 720P
185	White-720P B	00	MST5151A	↓
186	Black-720P R	00	MST5151A	
187	Black-720P G	00	MST5151A	↓
188	Black-720P B	00	MST5151A	
189	White-1080P-50 R	00	MST5151A	DVD INPUT: 1080P (50)
190	White-1080P-50 G	00	MST5151A	↓
191	White-1080P-50 B	00	MST5151A	
192	Black-1080P-50 R	00	MST5151A	↓
193	Black-1080P-50 G	00	MST5151A	
194	Black-1080P-50 B	00	MST5151A	↓
195	White-1080P-60 R	00	MST5151A	DVD INPUT: 1080P (60)
196	White-1080P-60 G	00	MST5151A	↓
197	White-1080P-60 B	00	MST5151A	
198	Black-1080P-60 R	00	MST5151A	↓
199	Black-1080P-60 G	00	MST5151A	
200	Black-1080P-60 B	00	MST5151A	↓
201	White-PC R	00	MST5151A	PC INPUT
202	White-PC G	00	MST5151A	↓
203	White-PC B	00	MST5151A	
204	Black-PC R	00	MST5151A	↓
205	Black-PC G	00	MST5151A	
206	Black-PC B	00	MST5151A	↓
207	White-HDMI R	00	MST5151A	HDMI INPUT
208	White-HDMI G	00	MST5151A	↓
209	White-HDMI B	00	MST5151A	
210	Black-HDMI R	00	MST5151A	↓
211	Black-HDMI G	00	MST5151A	
212	Black-HDMI B	00	MST5151A	↓
213	White-AVPAL-N R	00	MST5151A	VIDEO INPUT: PAL-N
214	White-AVPAL-N G	00	MST5151A	↓
215	White-AVPAL-N B	00	MST5151A	
216	Black-AVPAL-N R	00	MST5151A	↓
217	Black-AVPAL-N G	00	MST5151A	
218	Black-AVPAL-N B	00	MST5151A	↓
219	White-AVN R	00	MST5151A	VIDEO INPUT: NTSC
220	White-AVN G	00	MST5151A	↓
221	White-AVN B	00	MST5151A	
222	Black-AVN R	00	MST5151A	↓
223	Black-AVN G	00	MST5151A	
224	Black-AVN B	00	MST5151A	↓
225	White-AVPAL-M R	00	MST5151A	VIDEO INPUT: PAL-M
226	White-AVPAL-M G	00	MST5151A	↓
227	White-AVPAL-M B	00	MST5151A	
228	Black-AVPAL-M R	00	MST5151A	↓
229	Black-AVPAL-M G	00	MST5151A	
230	Black-AVPAL-M B	00	MST5151A	↓
231	White-SP(50) R	00	MST5151A	S-VIDEO INPUT (PAL)
232	White-SP(50) G	00	MST5151A	↓
233	White-SP(50) B	00	MST5151A	
234	Black-SP(50) R	00	MST5151A	↓
235	Black-SP(50) G	00	MST5151A	
236	Black-SP(50) B	00	MST5151A	↓
237	White-S(60) R	00	MST5151A	S-VIDEO INPUT (NTSC)
238	White-S(60) G	00	MST5151A	↓
239	White-S(60) B	00	MST5151A	
240	Black-S(60) R	00	MST5151A	↓
241	Black-S(60) G	00	MST5151A	
242	Black-S(60) B	00	MST5151A	↓
243	White-RFPAL-N R	00	MST5151A	TV INPUT (PAL-N)
244	White-RFPAL-N G	00	MST5151A	↓

# On-screen Service Menu System

Item No.	Item Name	Initial Data	Target IC	Description
245	White-RFPAL-N B	00	MST5151A	TV INPUT (PAL-N)
246	Black-RFPAL-N R	00	MST5151A	↓
247	Black-RFPAL-N G	00	MST5151A	↓
248	Black-RFPAL-N B	00	MST5151A	↓
249	White-RFN R	00	MST5151A	TV INPUT (NTSC)
250	White-RFN G	00	MST5151A	↓
251	White-RFN B	00	MST5151A	↓
252	Black-RFN R	00	MST5151A	↓
253	Black-RFN G	00	MST5151A	↓
254	Black-RFN B	00	MST5151A	↓
255	White-RF S R	00	MST5151A	TV INPUT (PAL-M)
256	White-RF S G	00	MST5151A	↓
257	White-RF S B	00	MST5151A	↓
258	Black-RF S R	00	MST5151A	↓
259	Black-RF S G	00	MST5151A	↓
260	Black-RF S B	00	MST5151A	↓
261	CT-Norm R	80	MST5151A	COLOUR ENHANCER=NORMAL
262	CT-Norm G	80	MST5151A	↓
263	CT-Norm B	80	MST5151A	↓
264	CT-Warm R	88	MST5151A	COLOUR ENHANCER=WARM
265	CT-Warm G	80	MST5151A	↓
266	CT-Warm B	80	MST5151A	↓
267	CT-Cool R	80	MST5151A	COLOUR ENHANCER=COOL
268	CT-Cool G	80	MST5151A	↓
269	CT-Cool B	88	MST5151A	↓
270	H Start-L(50)	A9	MST5151A	PAL
271	H Start-H(50)	00	MST5151A	↓
272	V Start-L(50)	07	MST5151A	↓
273	V Start-H(50)	00	MST5151A	↓
274	H SIZE-L(50)	9A	MST5151A	↓
275	H SIZE-H(50)	02	MST5151A	↓
276	V SIZE-L(50)	23	MST5151A	↓
277	V SIZE-H(50)	02	MST5151A	↓
278	H Start-L(60)	A2	MST5151A	NTSC
279	H Start-H(60)	00	MST5151A	↓
280	V Start-L(60)	07	MST5151A	↓
281	V Start-H(60)	00	MST5151A	↓
282	H SIZE-L(60)	9C	MST5151A	↓
283	H SIZE-H(60)	02	MST5151A	↓
284	V SIZE-L(60)	CC	MST5151A	↓
285	V SIZE-H(60)	01	MST5151A	↓
286	Reserved 1	FF	MST5151A	
287	Reserved 2	FF	MST5151A	
288	Reserved 3	FF	MST5151A	
289	Reserved 4	FF	MST5151A	
290	GAMMA	FF	MST5151A	
291	WB	R:FF, G:FF, B:FF	MST5151A	WHITE BALANCE ADJUSTMENT
292	BB	R:FF, G:FF, B:FF	MST5151A	BLACK BALANCE ADJUSTMENT
293	DMP-STEP(50)	02	MST5151A	PAL
294	DMP-COEF(50)	0A	MST5151A	↓
295	CORING-TH-1(50)	03	MST5151A	↓
296	CORING-TH-2(50)	01	MST5151A	↓
297	CTI-STEP(50)	03	MST5151A	↓
298	CTI-COEF(50)	10	MST5151A	↓
299	LTI-STEP(50)	03	MST5151A	↓
300	LTI-COEF(50)	10	MST5151A	↓
301	Peak-STEP(50)	03	MST5151A	↓
302	Peak-COEF(50)	0C	MST5151A	↓
303	DMP-STEP(60)	02	MST5151A	NTSC
304	DMP-COEF(60)	08	MST5151A	↓
305	CORING-TH-1(60)	03	MST5151A	↓

# On-screen Service Menu System

Item No.	Item Name	Initial Data	Target IC	Description
306	CORING-TH-2(60)	01	MST5151A	NTSC
307	CTI-STEP(60)	03	MST5151A	↓
308	CTI-COEF(60)	10	MST5151A	
309	LTI-STEP(60)	03	MST5151A	
310	LTI-COEF(60)	10	MST5151A	
311	Peak-STEP(60)	03	MST5151A	↓
312	Peak-COEF(60)	0C	MST5151A	
313	DMP-STEP(DVD)	02	MST5151A	DVD
314	DMP-COEF(DVD)	0A	MST5151A	↓
315	CORING-TH-1(DVD)	03	MST5151A	
316	CORING-TH-2(DVD)	01	MST5151A	
317	CTI-STEP(DVD)	03	MST5151A	
318	CTI-COEF(DVD)	10	MST5151A	
319	LTI-STEP(DVD)	03	MST5151A	
320	LTI-COEF(DVD)	10	MST5151A	
321	Peak-STEP(DVD)	03	MST5151A	↓
322	Peak-COEF(DVD)	0C	MST5151A	
323	RED OFFSET 575I	80	MST5151A	DVD INPUT: 575i
324	GREEN OFFSET 575I	80	MST5151A	↓
325	BLUE OFFSET 575I	80	MST5151A	
326	Red Gain 575I	80	MST5151A	↓
327	Green Gain 575I	30	MST5151A	
328	Blue Gain 575I	80	MST5151A	↓
329	RED OFFSET 575P	00	MST5151A	DVD INPUT: 575p
330	GREEN OFFSET 575P	00	MST5151A	↓
331	BLUE OFFSET 575P	00	MST5151A	
332	Red Gain 575P	00	MST5151A	↓
333	Green Gain 575P	00	MST5151A	
334	Blue Gain 575P	00	MST5151A	↓
335	RED OFFSET 480I	00	MST5151A	DVD INPUT: 480i
336	GREEN OFFSET 480I	00	MST5151A	↓
337	BLUE OFFSET 480I	00	MST5151A	
338	Red Gain 480I	00	MST5151A	↓
339	Green Gain 480I	00	MST5151A	
340	Blue Gain 480I	00	MST5151A	↓
341	RED OFFSET 480P	00	MST5151A	DVD INPUT: 480p
342	GREEN OFFSET 480P	00	MST5151A	↓
343	BLUE OFFSET 480P	00	MST5151A	
344	Red Gain 480P	00	MST5151A	↓
345	Green Gain 480P	00	MST5151A	
346	Blue Gain 480P	00	MST5151A	↓
347	RED OFFSET 1080I-60	00	MST5151A	DVD INPUT: 1080i (60)
348	GREEN OFFSET 1080I-60	00	MST5151A	↓
349	BLUE OFFSET 1080I-60	00	MST5151A	
350	Red Gain 1080I-60	00	MST5151A	↓
351	Green Gain 1080I-60	00	MST5151A	
352	Blue Gain 1080I-60	00	MST5151A	↓
353	RED OFFSET 1080I-50	00	MST5151A	DVD INPUT: 1080i (50)
354	GREEN OFFSET 1080I-50	00	MST5151A	↓
355	BLUE OFFSET 1080I-50	00	MST5151A	
356	Red Gain 1080I-50	00	MST5151A	↓
357	Green Gain 1080I-50	00	MST5151A	
358	Blue Gain 1080I-50	00	MST5151A	↓
359	RED OFFSET 720P	00	MST5151A	DVD INPUT: 720p
360	GREEN OFFSET 720P	00	MST5151A	↓
361	BLUE OFFSET 720P	00	MST5151A	
362	Red Gain 720P	00	MST5151A	↓
363	Green Gain 720P	00	MST5151A	
364	Blue Gain 720P	00	MST5151A	↓
365	RED OFFSET 1080P-60	00	MST5151A	DVD INPUT: 1080p (60)
366	GREEN OFFSET 1080P-60	00	MST5151A	↓



## On-screen Service Menu System

Item No.	Item Name	Initial Data	Target IC	Description
367	BLUE OFFSET 1080P-60	00	MST5151A	DVD INPUT: 1080p (60)
368	Red Gain 1080P-60	00	MST5151A	↓
369	Green Gain 1080P-60	00	MST5151A	↓
370	Blue Gain 1080P-60	00	MST5151A	↓
371	RED OFFSET 1080P-50	00	MST5151A	DVD INPUT: 1080p (50)
372	GREEN OFFSET 1080P-50	00	MST5151A	↓
373	BLUE OFFSET 1080P-50	00	MST5151A	↓
374	Red Gain 1080P-50	00	MST5151A	↓
375	Green Gain 1080P-50	00	MST5151A	↓
376	Blue Gain 1080P-50	00	MST5151A	↓
377	RED OFFSET PC	80	MST5151A	PC INPUT
378	GREEN OFFSET PC	80	MST5151A	↓
379	BLUE OFFSET PC	80	MST5151A	↓
380	Red Gain PC	68	MST5151A	↓
381	Green Gain PC	68	MST5151A	↓
382	Blue Gain PC	68	MST5151A	↓
383	ECO DATA	02	MICON	ECO CONTROL
384		02	MICON	
385	STILL TIME	0C	MICON	
386		50	MICON	
387	CC Set Line PAL-N	12	CCLine	
388	CC Set Line PAL-M	15	CCLine	
389	CC Set Line NTSC	15	CCLine	
390	NOUSE	FF	MICON	
391	ROM Correction 1-1	00	MICON	
392	ROM Correction 1-2	00	MICON	
393	ROM Correction 1-3	00	MICON	
394	ROM Correction 1-4	00	MICON	
395	ROM Correction 1-5	00	MICON	
396	ROM Correction 1-6	00	MICON	
397	ROM Correction 2-1	00	MICON	
398	ROM Correction 2-2	00	MICON	
399	ROM Correction 2-3	00	MICON	
400	ROM Correction 2-4	00	MICON	
401	ROM Correction 2-5	00	MICON	
402	ROM Correction 2-6	00	MICON	
403	HST KEYWORD	A2	MICON	
404	MST KEYWORD	A2	MICON	



# Service Adjustments

## CAUTION !

Do not attempt to adjust service adjustments not listed below otherwise it may cause loss of performance and for correct operation.

## ■ Setting the Initial data

This adjustment is controlled by the CPU (IC8000) through the IIC Bus Data Line in the chassis, and those adjustment data are memorized the memory IC (IC8002). Therefore, Main board or the memory IC (IC8002) is replaced, these data will be disappeared. Readjust should be made. Initial data is provided in the CPU ROM, when the memory IC (IC8002) is replaced with new one. CPU ROM data is loaded into the memory. Initial data is provided to operating the monitor basically. For operating the monitor quality performance, further adjustment is required following chassis electrical adjustment.

1. Receive good quality signal.
2. Enter the Service Mode.
3. Confirm data value to be the same as the **Service Adjustment Data Table**. If it is different, change to correct data
4. Exit the Service Mode.

## ■ White balance Adjustment

### Pattern

White Pattern 100% (in AV mode).

### Condition

Picture Mode: STANDARD  
Color Temperature: NORMAL  
Pre-heating Time: More than 10 minutes

### Adjustment

1. Enter the Service Mode.
2. Select **Item No. 291 WB**, and select DATA line by pressing ▲ or ▼ button.
3. Set R,G,B value to "FF" by pressing NUMERIC buttons.  
To adjust Red : Press **1** (data value up) and **4** (data value down).  
To adjust Green : Press **2** (data value up) and **5** (data value down).  
To adjust Blue : Press **3** (data value up) and **6** (data value down).



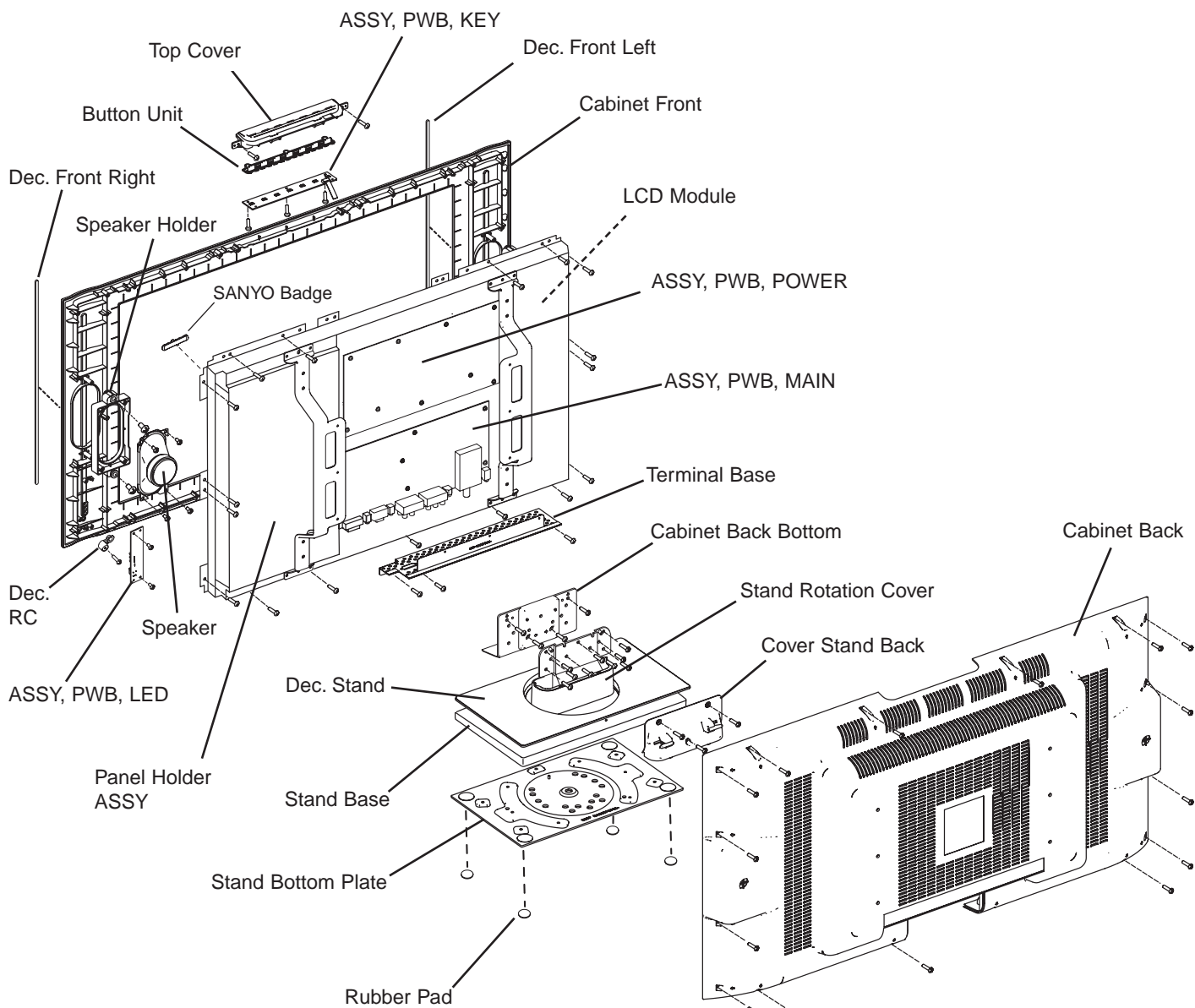
SERVICE 2.06 00  
INDEX 291 WB  
IC MST5151A  
ADDR 00  
DATA R FE G FE B FE

4. Decide one item in three items to a fixed value (For example, let **R** be fixed value), select item of other 2 colors (Example, **G** or **B**), and adjust to produce a normal black and white picture in highlight areas.  
(**Note:** At this time, Adjust the other 2 colors data less than fixed data.)
5. Exit the Service Mode.

After adjustment, confirm white balance again by normal picture.

# Mechanical Disassembly

## [ Disassembly Diagram ]

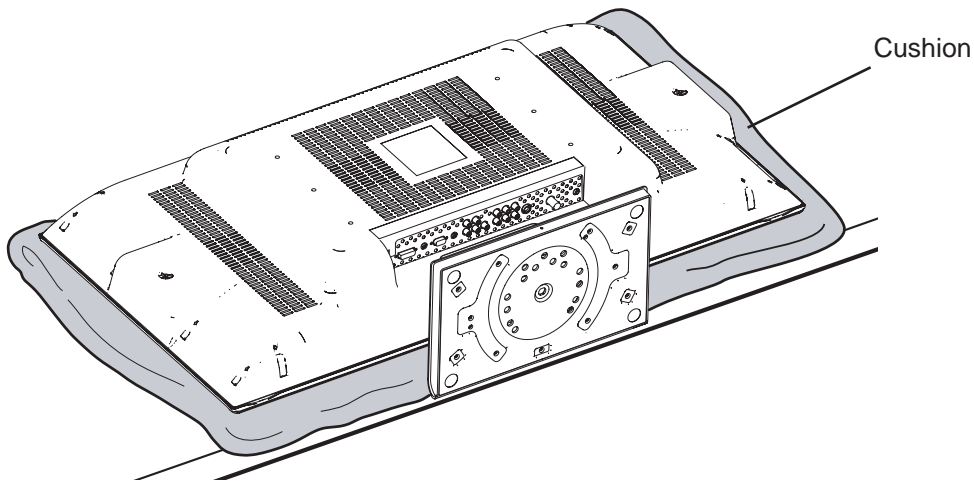


# Mechanical Disassembly

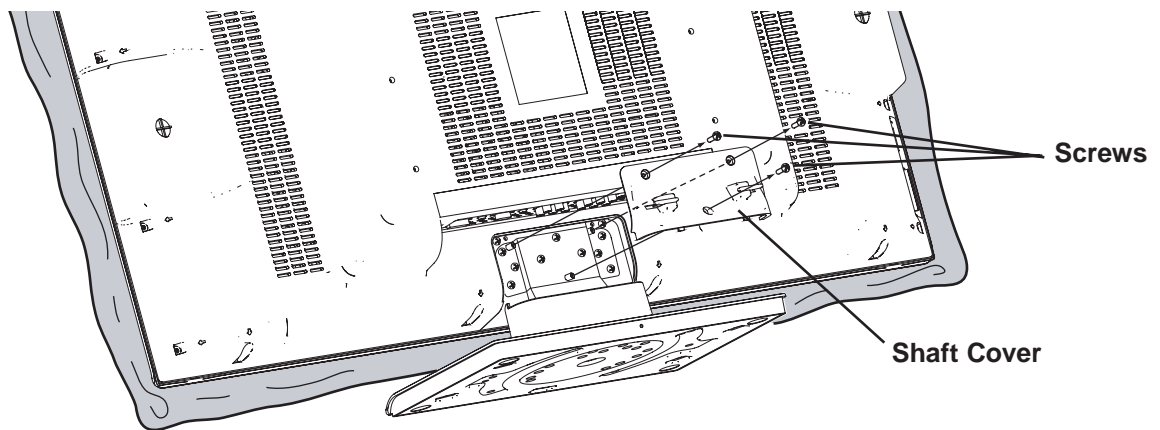
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## 1. Stand Removal

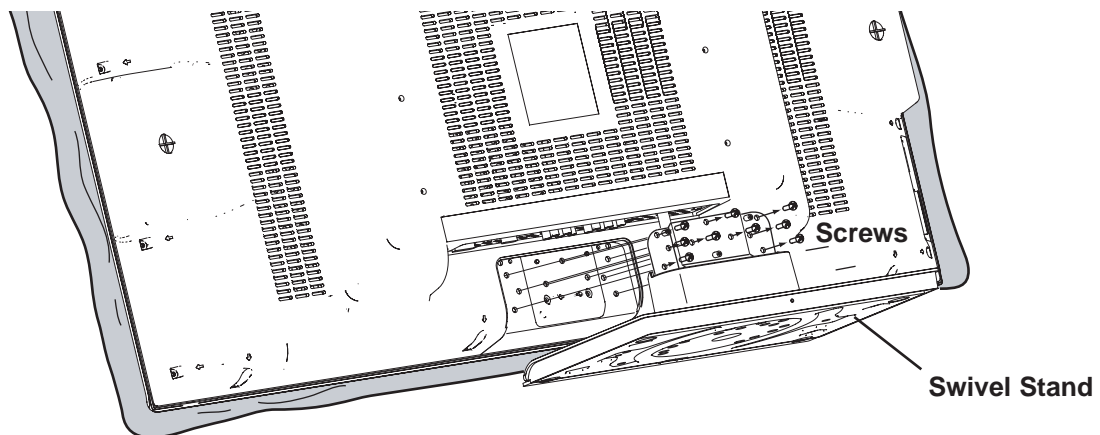
1. Position TV face down on a padded or cushioned surface to protect the screen and finish.



2. Remove 3 screws and remove the Shaft Cover.



3. Remove 9 screws and remove the swivel stand.

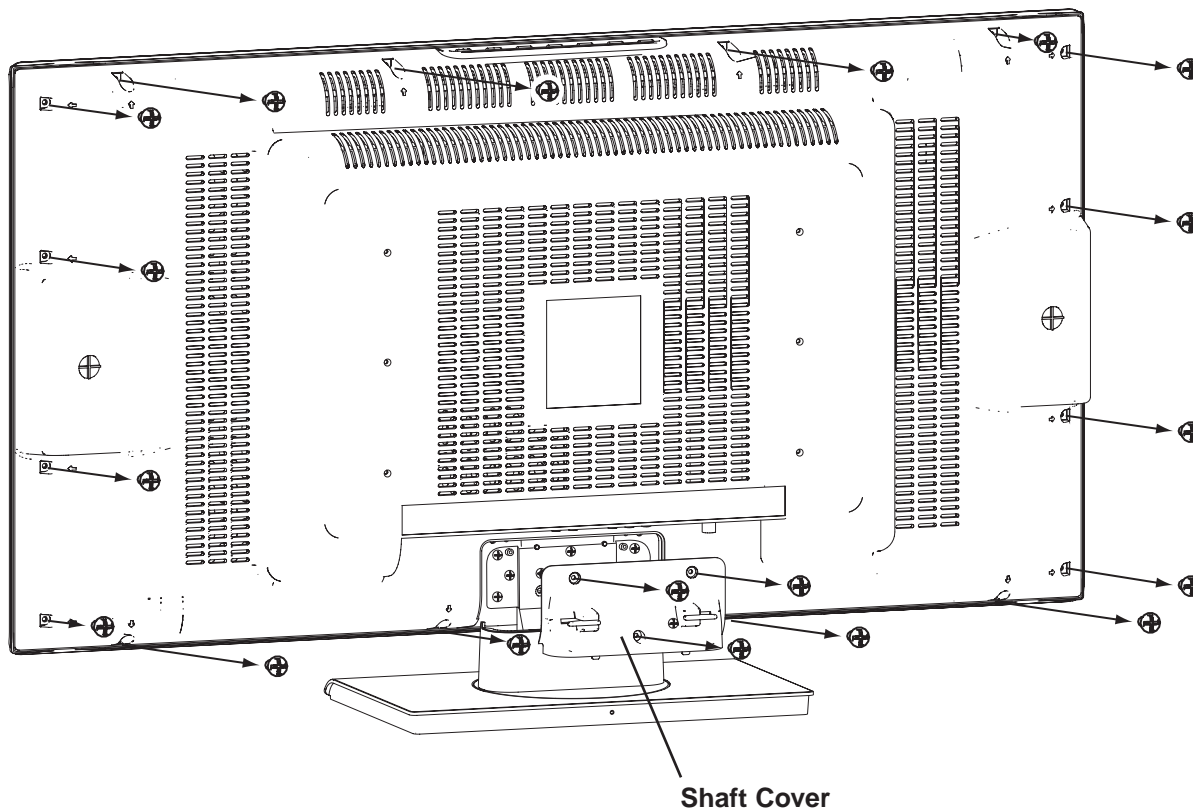


# Mechanical Disassembly

## 2. Cabinet Back Removal

1. Remove 3 screws and remove shaft cover.
2. Remove 16 screws and take the Cabinet Back off.

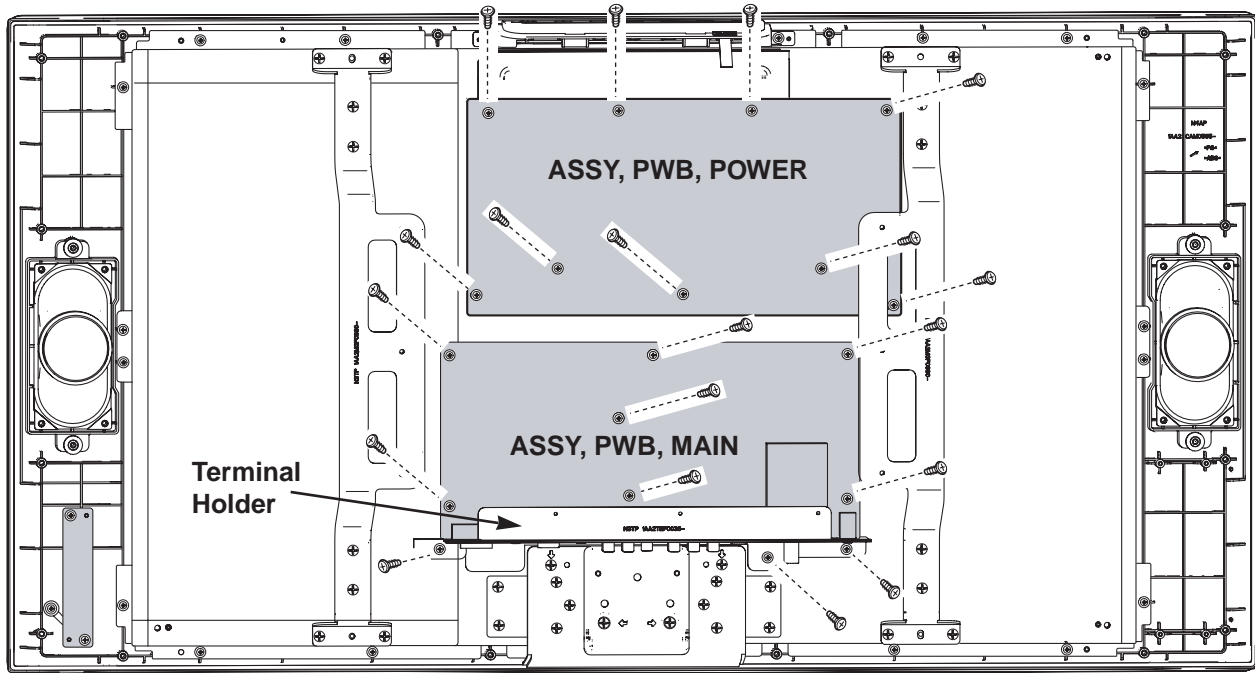
Note: Cabinet Back can be removed even if it does not remove a stand.



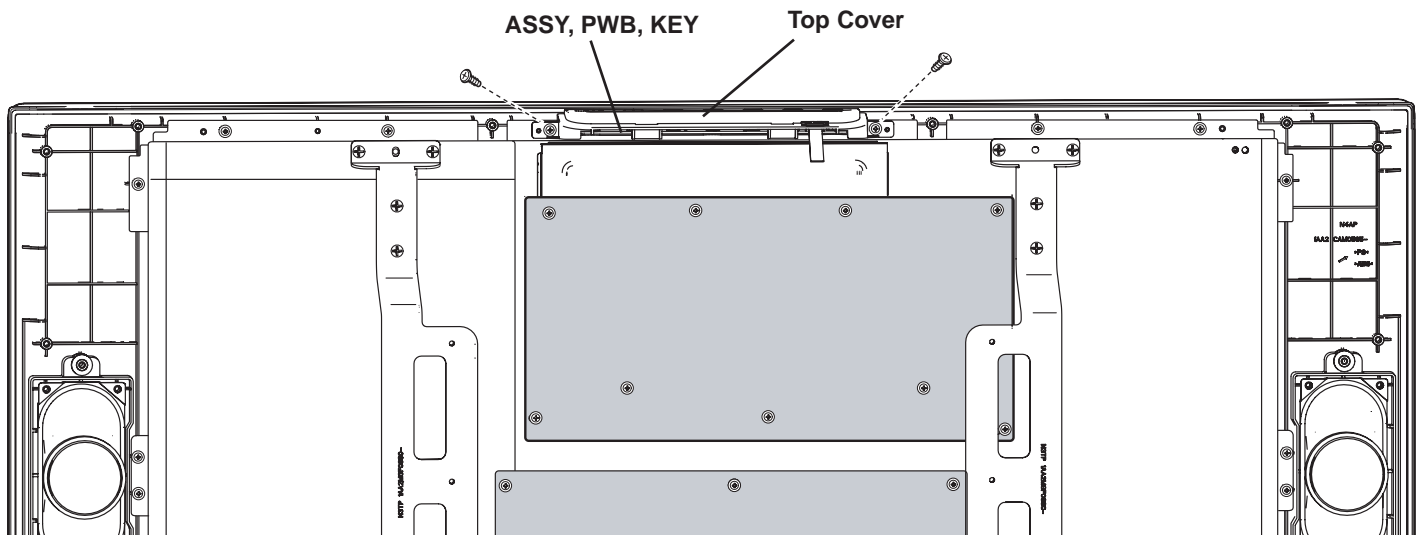
# Mechanical Disassembly

## 3. Circuit Board Removal

1. Remove 9 screws and take **ASSY, PWB, POWER** off.
2. Remove 7 screws on the circuit board and 3 screws that are fixing the Terminal Holder. Then take **ASSY, PWB, MAIN** off with Terminal Holder.

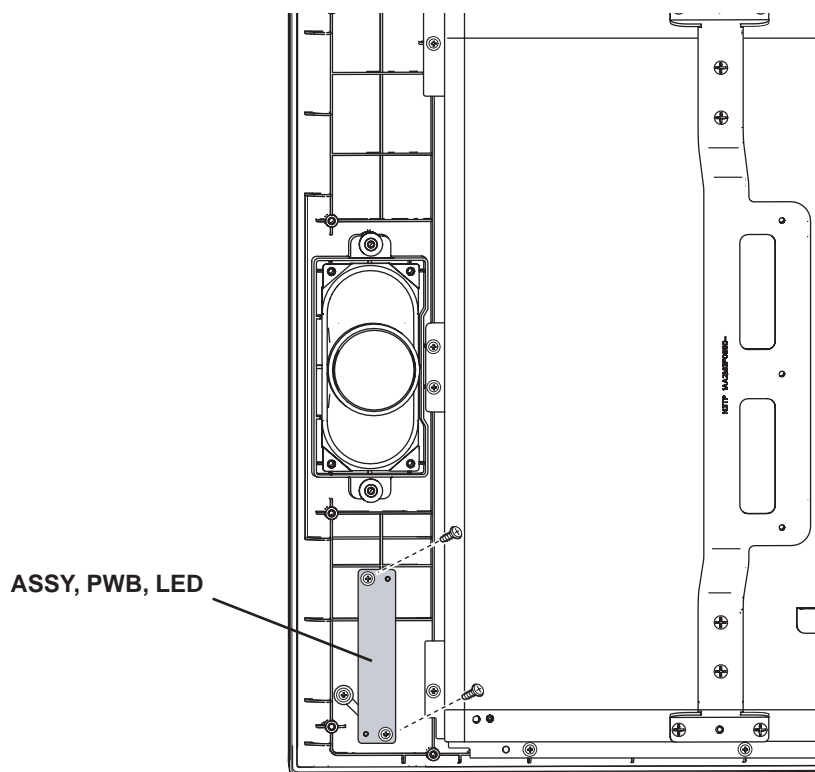


3. Remove 2 screws and take **ASSY, PWB, KEY** off from the Cabinet Front with Top Cover. And remove 3 screws to take **ASSY, PWB, KEY** off from Top Cover.



# Mechanical Disassembly

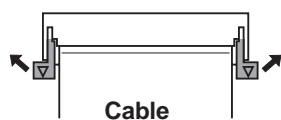
4. Remove 2 screws and take ASSY, PWB, LED off from the Cabinet Front.



## How to Remove Flat Cable

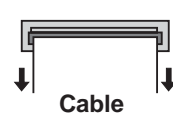
There are following kinds of the connectors of flat cable. Be careful not to damage a connector in the case of removal of a flat cable or attachment.

### Type-A



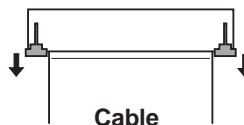
For removal of flat cable, lift up the hook of both sides.  
For insert and fixing, hold down the hook after inserting the flat cable.

### Type-C



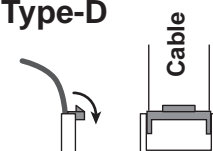
For removal of flat cable, pull off only.  
For fixing, insert into the socket.

### Type-B



For removal of flat cable, slide the hook of both sides.  
For insert and fixing, slide the hook to previous position after inserting the flat cable.

### Type-D

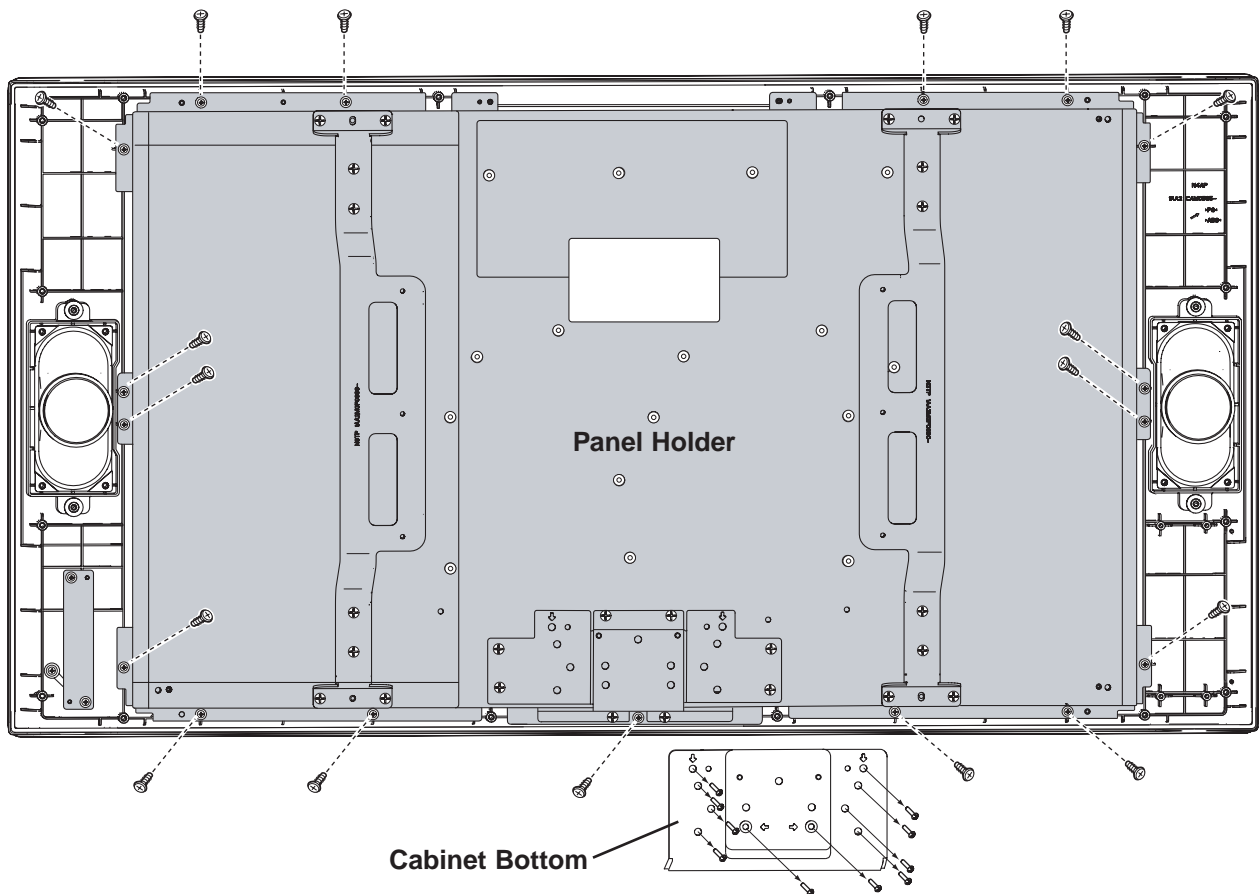


For removal of flat cable, hold down the hook.  
For insert and fixing, lift up the hook after inserting the flat cable.

# Mechanical Disassembly

## 4. LCD Panel Removal

1. Remove 10 screws and take Cabinet Bottom off.
2. Remove 17 screws and take Panel Holder with LCD Panel off from the cabinet front.
3. Remove 4 screws and take LCD Panel off from the Panel Holder.

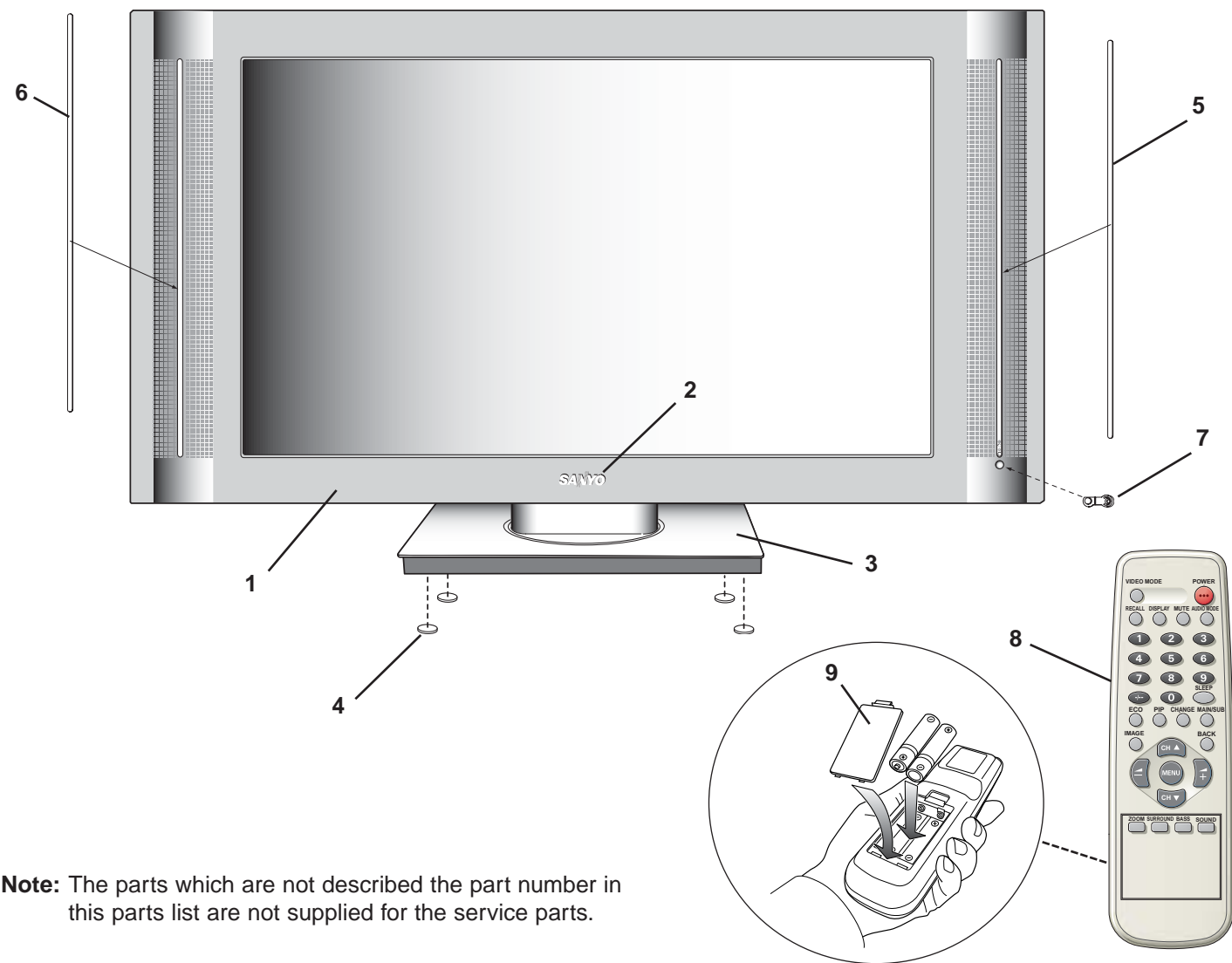


### For Gasket

The gasket is provided to prevent exposure of interference for other radio and television receptions. The gasket should be **replaced on previous positions** after servicing.

# Cabinet Parts List

Note: Parts order must contain Service Ref. No., Part No., and descriptions.



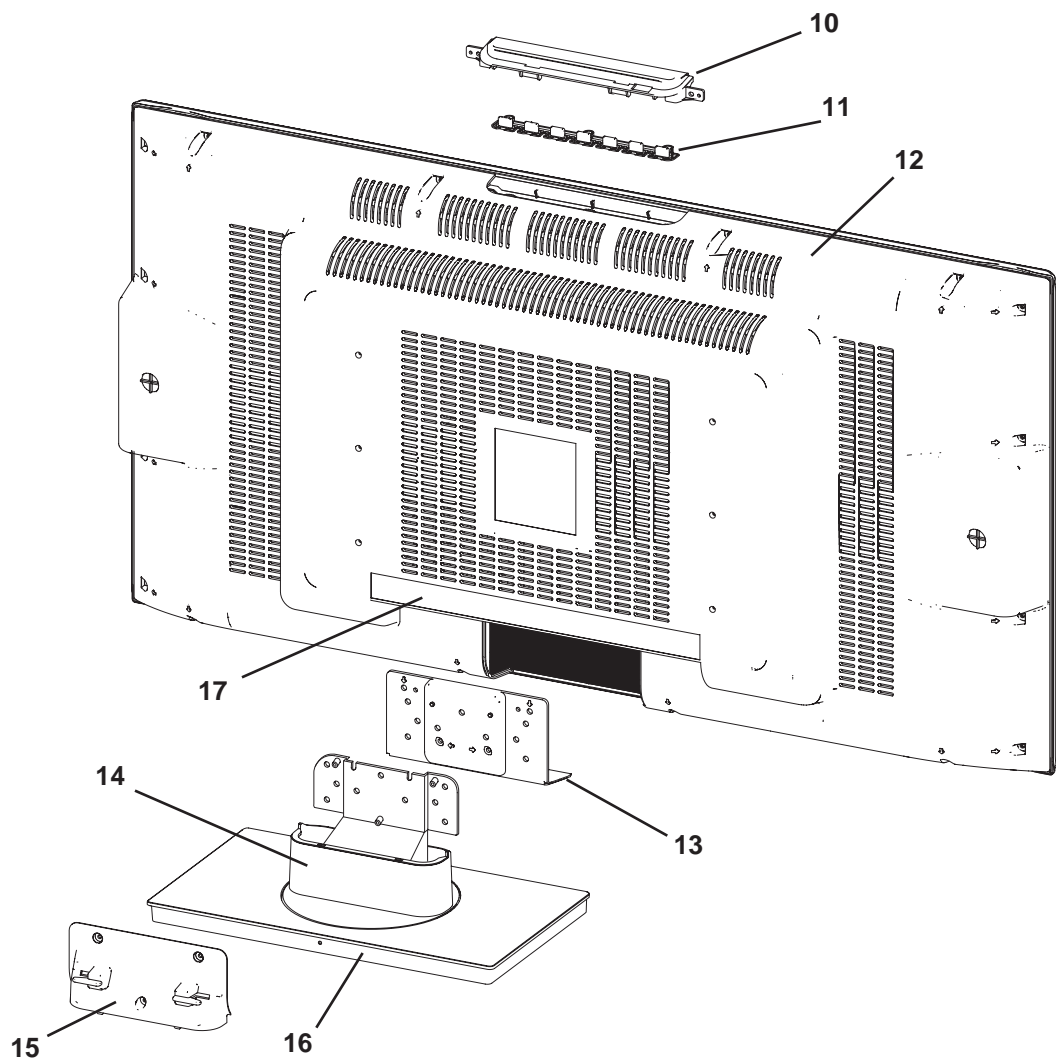
**Note:** The parts which are not described the part number in this parts list are not supplied for the service parts.

Key No.	Part No.	Description	Key No.	Part No.	Description
1	610 332 3466	CABINET FRONT-N4AV			
2	645 092 3920	BADGE,SANYO*43.5X10L43.5			
3	610 332 2735	DEC STAND-N4AV			
4	910 317 2034	PAD RUBBER-N2RA (4 used)			
5	910 328 3600	DEC CABINET FRONT-R-N3TP			
6	910 328 4218	DEC CABINET FRONT-L-N3TP			
7	910 328 4669	DEC RC-N3WP			
8	645 089 9331	ASSY,REMOCON JXMTL			
9	610 297 9879	RC-BATTERY LID-JXMTA			



# Cabinet Parts List

Note: Parts order must contain Service Ref. No., Part No., and descriptions.



Key No.	Part No.	Description	Key No.	Part No.	Description
10	610 331 3931	COVER TOP-N4BVA			
11	610 331 3801	BUTTON UNIT-N4BVA			
12	610 333 1683	CABINET BACK-N4AV			
13	610 331 8301	CABINET BACK BOTTOM-N4AV			
14	610 331 5393	STAND ROTATION COVER-N4AV			
15	610 331 5331	COVER STAND BACK-N4AV			
16	610 332 5361	STAND BASE-N4AV			
17		DEC SHEET			
	655 001 6034	INSTRUCTION MANUAL-N4AV			

# Chassis Electrical Parts List

N4AV

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a  $\Delta$  mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

Note: Parts order must contain Service Ref. No., Part No., and descriptions.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
<div>NOTES:</div> <div>Read description in the Capacitor and Resistor as follows:</div> <div>CAPACITOR</div> <div>CERAMIC 100P K 50V</div> <div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></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Material:

CERAMIC..... Ceramic  
MT-PAPER..... Metallized Paper  
POLYESTER..... Polyester  
MT-POLYEST.....Metallized Polyester  
POLYPRO..... Polypropylene  
MT-POLYPRO.....Metallized Polypropylene  
COMPO FILM..... Composite film  
MT-COMPO.....Metallized Composite  
STYRENE.....Styrene  
TA-SOLID..... Tantalum Solid  
AL-SOLID..... Aluminium Solid  
ELECT..... Electrolytic  
NP-ELECT..... Non-polarised Electrolytic  
OS-SOLID..... Aluminium Solid with Organic Semiconductive Electrolytic  
DL-ELECT..... Double Layered Electrolytic

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q1203	305 173 9915	TR 2SC3928A1S	Q1512	305 163 1615	TR 2SC2812N-L6-TB0
	305 014 4512	TR 2SC2412K T146 R		305 173 9816	TR 2SC3928A1R
	305 014 4611	TR 2SC2412K T146 S		305 173 9915	TR 2SC3928A1S
	305 015 8727	TR 2SC2812-L6-TB		305 014 4512	TR 2SC2412K T146 R
	305 015 8925	TR 2SC2812-L7-TB		305 014 4611	TR 2SC2412K T146 S
Q1204	305 163 1615	TR 2SC2812N-L6-TB0	Q1514	305 015 8727	TR 2SC2812-L6-TB
	305 173 9816	TR 2SC3928A1R		305 015 8925	TR 2SC2812-L7-TB
	305 173 9915	TR 2SC3928A1S		305 163 1615	TR 2SC2812N-L6-TB0
	305 014 4512	TR 2SC2412K T146 R		305 173 9816	TR 2SC3928A1R
	305 014 4611	TR 2SC2412K T146 S		305 173 9915	TR 2SC3928A1S
Q1205	305 015 8727	TR 2SC2812-L6-TB	Q1651	305 014 4512	TR 2SC2412K T146 R
	305 015 8925	TR 2SC2812-L7-TB		305 014 4611	TR 2SC2412K T146 S
	305 163 1615	TR 2SC2812N-L6-TB0		305 015 8727	TR 2SC2812-L6-TB
	305 173 9816	TR 2SC3928A1R		305 015 8925	TR 2SC2812-L7-TB
	305 173 9915	TR 2SC3928A1S		305 163 1615	TR 2SC2812N-L6-TB0
Q1206	305 014 4512	TR 2SC2412K T146 R	Q198	305 173 9816	TR 2SC3928A1R
	305 014 4611	TR 2SC2412K T146 S		305 173 9915	TR 2SC3928A1S
	305 015 8727	TR 2SC2812-L6-TB		305 151 1818	TR 5HN01C-TB
	305 015 8925	TR 2SC2812-L7-TB		305 014 4512	TR 2SC2412K T146 R
	305 163 1615	TR 2SC2812N-L6-TB0		305 014 4611	TR 2SC2412K T146 S
Q1213	305 173 9816	TR 2SC3928A1R	Q199	305 015 8727	TR 2SC2812-L6-TB
	305 173 9915	TR 2SC3928A1S		305 015 8925	TR 2SC2812-L7-TB
	305 014 4512	TR 2SC2412K T146 R		305 163 1615	TR 2SC2812N-L6-TB0
	305 014 4611	TR 2SC2412K T146 S		305 173 9816	TR 2SC3928A1R
	305 015 8727	TR 2SC2812-L6-TB		305 173 9915	TR 2SC3928A1S
Q1504	305 015 8925	TR 2SC2812-L7-TB	Q203	305 014 4512	TR 2SC2412K T146 R
	305 163 1615	TR 2SC2812N-L6-TB0		305 014 4611	TR 2SC2412K T146 S
	305 173 9816	TR 2SC3928A1R		305 015 8727	TR 2SC2812-L6-TB
	305 173 9915	TR 2SC3928A1S		305 015 8925	TR 2SC2812-L7-TB
	305 134 5928	TR 2SA1037AK-T146-R		305 163 1615	TR 2SC2812N-L6-TB0
Q1507	305 147 2218	TR 2SA1037AK-S-T146	Q302	305 173 9816	TR 2SC3928A1R
	305 002 0311	TR 2SA1037K T146 R		305 173 9915	TR 2SC3928A1S
	305 002 0410	TR 2SA1037K T146 S		305 134 5928	TR 2SA1037AK-T146-R
	305 002 6729	TR 2SA1179-M6-TB		305 147 2218	TR 2SA1037AK-S-T146
	305 002 6927	TR 2SA1179-M7-TB		305 002 0311	TR 2SA1037K T146 R
Q1508	305 163 1516	TR 2SA1179N-M6-TB	Q304	305 002 0410	TR 2SA1037K T146 S
	305 173 9618	TR 2SA1235A1E		305 002 6729	TR 2SA1179-M6-TB
	305 173 9717	TR 2SA1235A1F		305 002 6927	TR 2SA1179-M7-TB
	305 134 5928	TR 2SA1037AK-T146-R		305 163 1516	TR 2SA1179N-M6-TB
	305 147 2218	TR 2SA1037AK-S-T146		305 173 9618	TR 2SA1235A1E
Q1511	305 002 0311	TR 2SA1037K T146 R	Q7200	305 173 9717	TR 2SA1235A1F
	305 002 0410	TR 2SA1037K T146 S		305 014 4512	TR 2SC2412K T146 R
	305 002 6729	TR 2SA1179-M6-TB		305 014 4611	TR 2SC2412K T146 S
	305 002 6927	TR 2SA1179-M7-TB		305 015 8727	TR 2SC2812-L6-TB
	305 163 1516	TR 2SA1179N-M6-TB		305 015 8925	TR 2SC2812-L7-TB
Q1511	305 173 9618	TR 2SA1235A1E	Q7210	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9717	TR 2SA1235A1F		305 173 9816	TR 2SC3928A1R
	305 014 4512	TR 2SC2412K T146 R		305 173 9915	TR 2SC3928A1S
	305 014 4611	TR 2SC2412K T146 S		305 014 4512	TR 2SC2412K T146 R
	305 015 8727	TR 2SC2812-L6-TB		305 014 4611	TR 2SC2412K T146 S
	305 015 8925	TR 2SC2812-L7-TB		305 015 8727	TR 2SC2812-L6-TB
				305 015 8925	TR 2SC2812-L7-TB
				305 163 1615	TR 2SC2812N-L6-TB0

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q8000	305 173 9816	TR 2SC3928A1R	Q8501	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S		305 173 9915	TR 2SC3928A1S
	305 014 4512	TR 2SC2412K T146 R		305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S		305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB		305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB		305 015 8925	TR 2SC2812-L7-TB
Q8001	305 163 1615	TR 2SC2812N-L6-TB0	Q8504	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R		305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S		305 173 9915	TR 2SC3928A1S
	305 014 4512	TR 2SC2412K T146 R		305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S		305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB		305 015 8727	TR 2SC2812-L6-TB
Q8002	305 015 8925	TR 2SC2812-L7-TB	Q8505	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0		305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R		305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S		305 173 9915	TR 2SC3928A1S
	305 014 4512	TR 2SC2412K T146 R		305 134 5928	TR 2SA1037AK-T146-R
	305 014 4611	TR 2SC2412K T146 S		305 147 2218	TR 2SA1037AK-S-T146
Q8005	305 015 8727	TR 2SC2812-L6-TB	Q8103	305 002 0311	TR 2SA1037K T146 R
	305 015 8925	TR 2SC2812-L7-TB		305 002 0410	TR 2SA1037K T146 S
	305 163 1615	TR 2SC2812N-L6-TB0		305 002 6729	TR 2SA1179-M6-TB
	305 173 9816	TR 2SC3928A1R		305 002 6927	TR 2SA1179-M7-TB
	305 173 9915	TR 2SC3928A1S		305 163 1516	TR 2SA1179N-M6-TB
	305 014 4512	TR 2SC2412K T146 R	Q8007	305 173 9618	TR 2SA1235A1E
Q8007	305 014 4611	TR 2SC2412K T146 S		305 173 9717	TR 2SA1235A1F
	305 015 8727	TR 2SC2812-L6-TB		305 134 5928	TR 2SA1037AK-T146-R
	305 015 8925	TR 2SC2812-L7-TB		305 147 2218	TR 2SA1037AK-S-T146
	305 163 1615	TR 2SC2812N-L6-TB0		305 002 0311	TR 2SA1037K T146 R
	305 173 9816	TR 2SC3928A1R	Q8008	305 002 0410	TR 2SA1037K T146 S
Q8008	305 173 9915	TR 2SC3928A1S		305 002 6729	TR 2SA1179-M6-TB
	305 014 4512	TR 2SC2412K T146 R		305 002 6927	TR 2SA1179-M7-TB
	305 014 4611	TR 2SC2412K T146 S		305 163 1516	TR 2SA1179N-M6-TB
	305 015 8727	TR 2SC2812-L6-TB		305 173 9618	TR 2SA1235A1E
	305 015 8925	TR 2SC2812-L7-TB	Q8009	305 173 9717	TR 2SA1235A1F
Q8009	305 163 1615	TR 2SC2812N-L6-TB0		305 134 5928	TR 2SA1037AK-T146-R
	305 173 9816	TR 2SC3928A1R		305 147 2218	TR 2SA1037AK-S-T146
	305 173 9915	TR 2SC3928A1S		305 002 0311	TR 2SA1037K T146 R
	305 134 5928	TR 2SA1037AK-T146-R		305 002 0410	TR 2SA1037K T146 S
	305 147 2218	TR 2SA1037AK-S-T146		305 002 6729	TR 2SA1179-M6-TB
Q8010	305 002 0311	TR 2SA1037K T146 R		305 002 6927	TR 2SA1179-M7-TB
	305 002 0410	TR 2SA1037K T146 S	Q8103	305 163 1516	TR 2SA1179N-M6-TB
	305 002 6729	TR 2SA1179-M6-TB		305 173 9618	TR 2SA1235A1E
	305 002 6927	TR 2SA1179-M7-TB		305 173 9717	TR 2SA1235A1F
	305 163 1516	TR 2SA1179N-M6-TB		305 014 4512	TR 2SC2412K T146 R
	305 173 9618	TR 2SA1235A1E		305 014 4611	TR 2SC2412K T146 S
Q8103	305 173 9717	TR 2SA1235A1F		305 015 8727	TR 2SC2812-L6-TB
	305 014 4512	TR 2SC2412K T146 R		305 015 8925	TR 2SC2812-L7-TB
	305 014 4611	TR 2SC2412K T146 S		305 163 1615	TR 2SC2812N-L6-TB0
	305 015 8727	TR 2SC2812-L6-TB	<b>INTEGRATED CIRCUIT</b>		
	305 015 8925	TR 2SC2812-L7-TB	IC003	309 441 8419	IC LA7217M-T-TRM
	305 163 1615	TR 2SC2812N-L6-TB0	IC101	309 591 8700	IC LA4919N-E
			IC1200	309 500 1828	IC LA79500E
			IC1250	309 497 6315	IC BA09FP-E2
			IC150	309 645 0417	IC NJW1167V
			IC1651	309 506 8910	IC FA7700V-TE1
			IC2200	309 644 4010	IC AMS1117-1.8
			IC2201	309 559 9018	IC AMS1117-3.3
			IC2203	309 649 6217	IC TVP5147PFP
			IC2205	309 559 8912	IC AMS1117-2.5
			IC261	309 437 4715	IC L88M05TL-TL
			IC7100	309 673 9918	IC RCLAMP0514M
			IC7101	309 673 9918	IC RCLAMP0514M
			IC7200	309 649 6316	IC MST5151A-LF
			IC7201	310 584 8409	IC K4D263238G-VC36
				410 622 7507	IC K4D26328I-VC40
			IC7203	309 462 0327	IC 24LC21AT/SN
			IC7207	309 655 2418	IC AMS1085CM
			IC7208	310 586 0104	IC AMS1085CM-3.3
			IC7209	309 672 8526	IC CS4334-KSZ
			IC7211	309 558 7213	IC 24C02CT-I/SNG
			IC7212	309 559 9018	IC AMS1117-3.3
			IC8000	410 619 1402	IC M30624FGPFP-N4AV
			IC8002	309 533 6019	IC 24LC32AT-I/SNG
			IC8003	309 344 1923	IC MN1382-Q-TX
			IC8004	309 152 5417	IC TC7S08F-TE85L
			IC8011	310 615 7708	IC 24LC08B-I/PG--N3VP
				410 619 1600	IC 24LC04B/P--N3VP
			IC8600	410 629 8606	IC LC863G24A-58J7-E
			IC8601	409 680 2916	IC 74HC74PW
			<b>CAPACITOR</b>		
			C101	303 299 1615	CERAMIC 1U K 16V
			C102	303 164 0217	CERAMIC 0.1U Z 25V
				304 094 9803	CERAMIC 0.1U Z 25V
			C104	303 299 1615	CERAMIC 1U K 16V
			C105	303 164 0217	CERAMIC 0.1U Z 25V
				304 094 9803	CERAMIC 0.1U Z 25V
			C107	303 394 0513	ELECT 47U M 25V
			C108	303 394 0513	ELECT 47U M 25V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C109	303 403 1319	ELECT 22U M 25V	C1233	303 403 0718	ELECT 220U M 16V
	303 294 0118	ELECT 22U M 25V		303 373 6314	ELECT 220U M 16V
C110	303 299 1615	CERAMIC 1U K 16V	C1237	303 345 6618	CERAMIC 1U M 10V
C111	303 113 4112	CERAMIC 2200P K 50V	C1238	303 345 6618	CERAMIC 1U M 10V
	304 104 5702	CERAMIC 2200U K 50V	C1239	303 149 9211	CERAMIC 0.01U Z 50V
	304 091 3309	CERAMIC 2200P K 50V		304 095 4203	CERAMIC 0.01U Z 50V
C113	303 403 0916	ELECT 10U M 25V	C124	303 325 6317	CERAMIC 0.22U K 10V
	303 347 0812	ELECT 10U M 25V		304 103 4102	CERAMIC 0.22U K 10V
C114	303 402 8418	ELECT 2.2U M 50V		304 095 0205	CERAMIC 0.22U K 10V
	303 238 3529	ELECT 2.2U M 50V	C125	303 325 6317	CERAMIC 0.22U K 10V
C116	303 325 6317	CERAMIC 0.22U K 10V		304 103 4102	CERAMIC 0.22U K 10V
	304 103 4102	CERAMIC 0.22U K 10V		304 095 0205	CERAMIC 0.22U K 10V
	304 095 0205	CERAMIC 0.22U K 10V	C126	303 403 1319	ELECT 22U M 25V
C117	303 325 6317	CERAMIC 0.22U K 10V		303 294 0118	ELECT 22U M 25V
	304 103 4102	CERAMIC 0.22U K 10V	C127	303 403 1319	ELECT 22U M 25V
	304 095 0205	CERAMIC 0.22U K 10V		303 294 0118	ELECT 22U M 25V
C118	303 325 6317	CERAMIC 0.22U K 10V	C128	303 298 9612	CERAMIC 0.1U K 16V
	304 103 4102	CERAMIC 0.22U K 10V		304 103 4508	CERAMIC 0.1U K 16V
	304 095 0205	CERAMIC 0.22U K 10V		304 095 0502	CERAMIC 0.1U K 16V
C119	303 325 6317	CERAMIC 0.22U K 10V	C1307	303 345 6618	CERAMIC 1U M 10V
	304 103 4102	CERAMIC 0.22U K 10V	C1308	303 345 6618	CERAMIC 1U M 10V
	304 095 0205	CERAMIC 0.22U K 10V	C131	303 378 1611	ELECT 470U M 16V
C120	303 113 3818	CERAMIC 1000P K 50V		303 371 2318	ELECT 470U M 16V
	304 103 2405	CERAMIC 1000P K 50V	C132	303 378 1611	ELECT 470U M 16V
	304 090 1108	CERAMIC 1000P K 50V		303 371 2318	ELECT 470U M 16V
C1200	303 403 0916	ELECT 10U M 25V	C133	303 299 1615	CERAMIC 1U K 16V
	303 347 0812	ELECT 10U M 25V	C134	303 113 4112	CERAMIC 2200P K 50V
C1201	303 403 0916	ELECT 10U M 25V		304 104 5702	CERAMIC 2200U K 50V
	303 347 0812	ELECT 10U M 25V		304 091 3309	CERAMIC 2200P K 50V
C1202	303 403 0916	ELECT 10U M 25V	C136	303 348 5826	CERAMIC 0.47U K 10V
	303 347 0812	ELECT 10U M 25V		304 103 3907	CERAMIC 0.47U K 10V
C1203	303 403 0916	ELECT 10U M 25V	C137	303 383 1118	ELECT 4.7U M 25V
	303 347 0812	ELECT 10U M 25V		303 322 3913	ELECT 4.7U M 25V
C1204	303 358 3215	CERAMIC 10U K 6.3V	C140	303 393 2013	ELECT 1000U M 10V
	303 368 7319	CERAMIC 10U K 6.3V		303 414 2411	ELECT 1000U M 10V
C1205	303 358 3215	CERAMIC 10U K 6.3V	C1500	304 094 6307	CERAMIC 10P J 50V
	303 368 7319	CERAMIC 10U K 6.3V	C1501	304 094 6307	CERAMIC 10P J 50V
C1206	303 358 3215	CERAMIC 10U K 6.3V	C1502	304 094 6307	CERAMIC 10P J 50V
	303 368 7319	CERAMIC 10U K 6.3V	C1507	304 094 6307	CERAMIC 10P J 50V
C121	303 383 1118	ELECT 4.7U M 25V	C151	303 323 3615	CERAMIC 0.047U K 50V
	303 322 3913	ELECT 4.7U M 25V		304 091 4504	CERAMIC 0.047U K 50V
C1211	303 358 3215	CERAMIC 10U K 6.3V	C1510	304 094 6307	CERAMIC 10P J 50V
	303 368 7319	CERAMIC 10U K 6.3V	C1511	303 166 9218	CERAMIC 10P J 50V
C1212	303 378 1611	ELECT 470U M 16V		304 103 8209	CERAMIC 10P J 50V
	303 371 2318	ELECT 470U M 16V		304 094 6307	CERAMIC 10P J 50V
C1217	303 345 6618	CERAMIC 1U M 10V	C1512	303 383 1316	ELECT 10U M 16V
C1218	303 345 6618	CERAMIC 1U M 10V		303 238 3727	ELECT 10U M 16V
C1219	303 345 6618	CERAMIC 1U M 10V	C1513	303 383 1316	ELECT 10U M 16V
C122	303 325 6317	CERAMIC 0.22U K 10V		303 238 3727	ELECT 10U M 16V
	304 103 4102	CERAMIC 0.22U K 10V	C1514	303 383 1316	ELECT 10U M 16V
	304 095 0205	CERAMIC 0.22U K 10V		303 238 3727	ELECT 10U M 16V
C1220	303 345 6618	CERAMIC 1U M 10V	C152	303 403 1012	ELECT 100U M 25V
C1222	303 149 9211	CERAMIC 0.01U Z 50V		303 442 3015	ELECT 100U M 25V
	304 095 4203	CERAMIC 0.01U Z 50V	C1521	303 298 9612	CERAMIC 0.1U K 16V
C1223	303 345 6618	CERAMIC 1U M 10V		304 103 4508	CERAMIC 0.1U K 16V
C1224	303 345 6618	CERAMIC 1U M 10V		304 095 0502	CERAMIC 0.1U K 16V
C1225	303 345 6618	CERAMIC 1U M 10V	C1522	303 298 9612	CERAMIC 0.1U K 16V
C1227	303 345 6618	CERAMIC 1U M 10V		304 103 4508	CERAMIC 0.1U K 16V
C1229	303 345 6618	CERAMIC 1U M 10V		304 095 0502	CERAMIC 0.1U K 16V
C123	303 325 6317	CERAMIC 0.22U K 10V	C1523	303 298 9612	CERAMIC 0.1U K 16V
	304 103 4102	CERAMIC 0.22U K 10V		304 103 4508	CERAMIC 0.1U K 16V
	304 095 0205	CERAMIC 0.22U K 10V		304 095 0502	CERAMIC 0.1U K 16V
C1230	303 345 6618	CERAMIC 1U M 10V	C1525	303 298 9612	CERAMIC 0.1U K 16V
C1231	303 164 0217	CERAMIC 0.1U Z 25V		304 103 4508	CERAMIC 0.1U K 16V
	304 094 9803	CERAMIC 0.1U Z 25V		304 095 0502	CERAMIC 0.1U K 16V
C1232	303 386 0910	ELECT 100U M 16V	C1528	303 298 9612	CERAMIC 0.1U K 16V
	303 312 8515	ELECT 100U M 16V		304 103 4508	CERAMIC 0.1U K 16V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C1529	304 095 0502	CERAMIC 0.1U K 16V	C162	303 322 3913	ELECT 4.7U M 25V
	303 298 9612	CERAMIC 0.1U K 16V		303 383 1118	ELECT 4.7U M 25V
	304 103 4508	CERAMIC 0.1U K 16V		303 322 3913	ELECT 4.7U M 25V
C153	304 095 0502	CERAMIC 0.1U K 16V	C1620	303 403 1319	ELECT 22U M 25V
	303 113 4112	CERAMIC 2200P K 50V		303 294 0118	ELECT 22U M 25V
	304 104 5702	CERAMIC 2200U K 50V	C1621	303 386 0910	ELECT 100U M 16V
C1530	304 091 3309	CERAMIC 2200P K 50V		303 312 8515	ELECT 100U M 16V
	303 400 9110	ELECT 470U M 25V		303 149 9211	CERAMIC 0.01U Z 50V
C1531	303 378 1611	ELECT 470U M 16V	C1623	304 095 4203	CERAMIC 0.01U Z 50V
	303 371 2318	ELECT 470U M 16V		303 386 0910	ELECT 100U M 16V
	303 384 1414	ELECT 47U M 16V	C1624	303 312 8515	ELECT 100U M 16V
C1532	303 312 8416	ELECT 47U M 16V		303 149 9211	CERAMIC 0.01U Z 50V
	303 383 1316	ELECT 10U M 16V		304 095 4203	CERAMIC 0.01U Z 50V
C1535	303 238 3727	ELECT 10U M 16V	C1626	303 386 0910	ELECT 100U M 16V
	303 383 1316	ELECT 10U M 16V		303 312 8515	ELECT 100U M 16V
	303 238 3727	ELECT 10U M 16V	C1627	303 149 9211	CERAMIC 0.01U Z 50V
C1536	303 139 7111	CERAMIC 12P J 50V		304 095 4203	CERAMIC 0.01U Z 50V
	304 104 0509	CERAMIC 12P J 50V		303 383 1118	ELECT 4.7U M 25V
	304 094 6703	CERAMIC 12P J 50V	C163	303 322 3913	ELECT 4.7U M 25V
C1538	303 342 3313	CERAMIC 0.1U K 25V		303 342 3313	CERAMIC 0.1U K 25V
	304 103 6908	CERAMIC 0.1U K 25V		304 103 6908	CERAMIC 0.1U K 25V
	304 095 0809	CERAMIC 0.1U K 25V	C164	304 095 0809	CERAMIC 0.1U K 25V
C1541	303 139 7111	CERAMIC 12P J 50V		303 272 5616	CERAMIC 0.033U K 16V
	304 104 0509	CERAMIC 12P J 50V		304 103 6007	CERAMIC 0.033U K 16V
	304 094 6703	CERAMIC 12P J 50V	C1651	304 095 2704	CERAMIC 0.033U K 16V
C1542	303 139 7111	CERAMIC 12P J 50V		303 370 1510	CERAMIC 0.1U K 50V
	304 104 0509	CERAMIC 12P J 50V		304 091 2609	CERAMIC 0.1U K 50V
	304 094 6703	CERAMIC 12P J 50V	C1652	303 383 1316	ELECT 10U M 16V
C1545	303 155 4217	CERAMIC 15P J 50V		303 238 3727	ELECT 10U M 16V
	404 111 3705	CERAMIC 15P J 50V		303 342 3313	CERAMIC 0.1U K 25V
	304 094 7007	CERAMIC 15P J 50V	C1653	304 103 6908	CERAMIC 0.1U K 25V
C1546	303 155 4217	CERAMIC 15P J 50V		304 095 0809	CERAMIC 0.1U K 25V
	404 111 3705	CERAMIC 15P J 50V		303 398 9710	ELECT 100U M 50V
	304 094 7007	CERAMIC 15P J 50V	C1654	303 442 3619	ELECT 100U M 50V
C1548	303 155 4217	CERAMIC 15P J 50V		303 113 3818	CERAMIC 1000P K 50V
	404 111 3705	CERAMIC 15P J 50V		304 103 2405	CERAMIC 1000P K 50V
	304 094 7007	CERAMIC 15P J 50V	C1655	304 090 1108	CERAMIC 1000P K 50V
C155	303 345 6618	CERAMIC 1U M 10V		303 379 6714	CERAMIC 10U K 16V
	303 157 2518	CERAMIC 27P J 50V		303 275 3015	CERAMIC 0.047U K 16V
	304 104 8000	CERAMIC 27P J 50V	C166	304 103 5802	CERAMIC 0.047U K 16V
C1550	304 094 7809	CERAMIC 27P J 50V		304 095 2902	CERAMIC 0.047U K 16V
	303 157 2518	CERAMIC 27P J 50V		303 345 6618	CERAMIC 1U M 10V
C1553	304 104 8000	CERAMIC 27P J 50V	C167	303 345 6618	CERAMIC 1U M 10V
	304 094 7809	CERAMIC 27P J 50V		303 342 3313	CERAMIC 0.1U K 25V
	303 157 2518	CERAMIC 27P J 50V		304 103 6908	CERAMIC 0.1U K 25V
C1554	304 104 8000	CERAMIC 27P J 50V	C168	304 095 0809	CERAMIC 0.1U K 25V
	304 094 7809	CERAMIC 27P J 50V		303 166 9515	CERAMIC 0.022U K 16V
	303 336 3510	CERAMIC 0.47U K 16V		304 103 6403	CERAMIC 0.022U K 16V
C1555	304 103 6700	CERAMIC 0.47U K 16V	C170	304 095 2506	CERAMIC 0.022U K 16V
	304 110 9800	CERAMIC 0.47U K 16V		303 113 4112	CERAMIC 2200P K 50V
	303 384 1414	ELECT 47U M 16V		304 104 5702	CERAMIC 2200U K 50V
C1557	303 312 8416	ELECT 47U M 16V	C171	304 091 3309	CERAMIC 2200P K 50V
	303 298 9612	CERAMIC 0.1U K 16V		303 383 1118	ELECT 4.7U M 25V
	304 103 4508	CERAMIC 0.1U K 16V		303 322 3913	ELECT 4.7U M 25V
C1558	304 095 0502	CERAMIC 0.1U K 16V	C172	303 342 3313	CERAMIC 0.1U K 25V
	303 393 2013	ELECT 1000U M 10V		304 103 6908	CERAMIC 0.1U K 25V
	304 414 2411	ELECT 1000U M 10V		304 095 0809	CERAMIC 0.1U K 25V
C156	303 393 2013	ELECT 1000U M 10V	C173	303 383 1118	ELECT 4.7U M 25V
	303 164 0217	CERAMIC 0.1U Z 25V		303 322 3913	ELECT 4.7U M 25V
	304 094 9803	CERAMIC 0.1U Z 25V		303 383 1118	ELECT 4.7U M 25V
C157	303 356 5112	CERAMIC 0.047U K 50V	C175	303 322 3913	ELECT 4.7U M 25V
	304 104 6709	CERAMIC 0.047U K 50V		303 383 1118	ELECT 4.7U M 25V
	304 091 4504	CERAMIC 0.047U K 50V		303 322 3913	ELECT 4.7U M 25V
C158	303 403 1012	ELECT 100U M 25V	C176	303 383 1118	ELECT 4.7U M 25V
	303 442 3015	ELECT 100U M 25V		303 322 3913	ELECT 4.7U M 25V
	303 383 1118	ELECT 4.7U M 25V		303 384 1315	ELECT 47U M 6.3V
C159	303 383 1118	ELECT 4.7U M 25V	C177	303 273 8814	ELECT 47U M 6.3V
	303 356 5112	CERAMIC 0.047U K 50V			
	304 104 6709	CERAMIC 0.047U K 50V			
C160	303 403 1012	ELECT 100U M 25V	C178	303 383 1118	ELECT 4.7U M 25V
	303 442 3015	ELECT 100U M 25V		303 322 3913	ELECT 4.7U M 25V
	303 383 1118	ELECT 4.7U M 25V		303 384 1315	ELECT 47U M 6.3V
C161	303 383 1118	ELECT 4.7U M 25V	C190	303 273 8814	ELECT 47U M 6.3V



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C191	303 164 0217	CERAMIC 0.1U Z 25V		304 103 4508	CERAMIC 0.1U K 16V
	304 094 9803	CERAMIC 0.1U Z 25V		304 095 0502	CERAMIC 0.1U K 16V
C192	303 345 6618	CERAMIC 1U M 10V	C2231	303 298 9612	CERAMIC 0.1U K 16V
C193	303 215 2214	CERAMIC 0.01U K 50V		304 103 4508	CERAMIC 0.1U K 16V
	304 103 2900	CERAMIC 0.01U K 50V		304 095 0502	CERAMIC 0.1U K 16V
	304 090 1207	CERAMIC 0.01U K 50V	C2234	303 298 9612	CERAMIC 0.1U K 16V
C194	303 157 6912	CERAMIC 820P K 50V		304 103 4508	CERAMIC 0.1U K 16V
	304 104 7508	CERAMIC 820U K 50V		304 095 0502	CERAMIC 0.1U K 16V
	304 091 5204	CERAMIC 820P K 50V	C2235	303 298 9612	CERAMIC 0.1U K 16V
C195	303 224 6616	CERAMIC 0.022U Z 50V		304 103 4508	CERAMIC 0.1U K 16V
	304 095 4708	CERAMIC 0.022U Z 50V		304 095 0502	CERAMIC 0.1U K 16V
C196	303 215 2511	CERAMIC 0.056U K 50V	C2237	303 298 9612	CERAMIC 0.1U K 16V
C198	303 157 6516	CERAMIC 390P K 50V		304 103 4508	CERAMIC 0.1U K 16V
	304 104 6303	CERAMIC 390U K 50V		304 095 0502	CERAMIC 0.1U K 16V
	304 091 4108	CERAMIC 390P K 50V	C2238	303 298 9612	CERAMIC 0.1U K 16V
C199	303 283 6312	CERAMIC 1U Z 10V		304 103 4508	CERAMIC 0.1U K 16V
	303 309 1413	CERAMIC 1U Z 10V		304 095 0502	CERAMIC 0.1U K 16V
	303 336 5613	CERAMIC 1U Z 10V	C2240	303 298 9612	CERAMIC 0.1U K 16V
	304 094 9704	CERAMIC 1U Z 10V		304 103 4508	CERAMIC 0.1U K 16V
C2115	303 298 9612	CERAMIC 0.1U K 16V		304 095 0502	CERAMIC 0.1U K 16V
	304 103 4508	CERAMIC 0.1U K 16V	C2241	303 298 9612	CERAMIC 0.1U K 16V
	304 095 0502	CERAMIC 0.1U K 16V		304 103 4508	CERAMIC 0.1U K 16V
C2116	303 298 9612	CERAMIC 0.1U K 16V		304 095 0502	CERAMIC 0.1U K 16V
	304 103 4508	CERAMIC 0.1U K 16V	C2242	303 298 9612	CERAMIC 0.1U K 16V
	304 095 0502	CERAMIC 0.1U K 16V		304 103 4508	CERAMIC 0.1U K 16V
C2119	303 298 9612	CERAMIC 0.1U K 16V		304 095 0502	CERAMIC 0.1U K 16V
	304 103 4508	CERAMIC 0.1U K 16V	C2243	303 298 9612	CERAMIC 0.1U K 16V
	304 095 0502	CERAMIC 0.1U K 16V		304 103 4508	CERAMIC 0.1U K 16V
C2201	303 384 1414	ELECT 47U M 16V		304 095 0502	CERAMIC 0.1U K 16V
	303 312 8416	ELECT 47U M 16V	C2244	303 298 9612	CERAMIC 0.1U K 16V
C2202	303 384 1414	ELECT 47U M 16V		304 103 4508	CERAMIC 0.1U K 16V
	303 312 8416	ELECT 47U M 16V		304 095 0502	CERAMIC 0.1U K 16V
C2203	303 384 1414	ELECT 47U M 16V	C2255	303 336 3510	CERAMIC 0.47U K 16V
	303 312 8416	ELECT 47U M 16V		304 103 6700	CERAMIC 0.47U K 16V
C2204	303 384 1414	ELECT 47U M 16V		304 110 9800	CERAMIC 0.47U K 16V
	303 312 8416	ELECT 47U M 16V	C2256	303 336 3510	CERAMIC 0.47U K 16V
C2206	303 345 6618	CERAMIC 1U M 10V		304 103 6700	CERAMIC 0.47U K 16V
C2207	303 383 1316	ELECT 10U M 16V		304 110 9800	CERAMIC 0.47U K 16V
	303 238 3727	ELECT 10U M 16V	C2257	303 298 9612	CERAMIC 0.1U K 16V
C2208	303 345 6618	CERAMIC 1U M 10V		304 103 4508	CERAMIC 0.1U K 16V
C2209	303 383 1316	ELECT 10U M 16V		304 095 0502	CERAMIC 0.1U K 16V
	303 238 3727	ELECT 10U M 16V	C2258	303 298 9612	CERAMIC 0.1U K 16V
C2220	303 298 9612	CERAMIC 0.1U K 16V		304 103 4508	CERAMIC 0.1U K 16V
	304 103 4508	CERAMIC 0.1U K 16V		304 095 0502	CERAMIC 0.1U K 16V
	304 095 0502	CERAMIC 0.1U K 16V	C2259	303 298 9612	CERAMIC 0.1U K 16V
C2221	303 298 9612	CERAMIC 0.1U K 16V		304 103 4508	CERAMIC 0.1U K 16V
	304 103 4508	CERAMIC 0.1U K 16V		304 095 0502	CERAMIC 0.1U K 16V
	304 095 0502	CERAMIC 0.1U K 16V	C2260	303 298 9612	CERAMIC 0.1U K 16V
C2222	303 298 9612	CERAMIC 0.1U K 16V		304 103 4508	CERAMIC 0.1U K 16V
	304 103 4508	CERAMIC 0.1U K 16V		304 095 0502	CERAMIC 0.1U K 16V
	304 095 0502	CERAMIC 0.1U K 16V	C2261	303 298 9612	CERAMIC 0.1U K 16V
C2223	303 298 9612	CERAMIC 0.1U K 16V		304 103 4508	CERAMIC 0.1U K 16V
	304 103 4508	CERAMIC 0.1U K 16V		304 095 0502	CERAMIC 0.1U K 16V
	304 095 0502	CERAMIC 0.1U K 16V	C2275	303 298 9612	CERAMIC 0.1U K 16V
C2225	303 298 9612	CERAMIC 0.1U K 16V		304 103 4508	CERAMIC 0.1U K 16V
	304 103 4508	CERAMIC 0.1U K 16V		304 095 0502	CERAMIC 0.1U K 16V
	304 095 0502	CERAMIC 0.1U K 16V	C2286	303 145 9918	CERAMIC 22P J 50V
C2227	303 298 9612	CERAMIC 0.1U K 16V		304 104 7904	CERAMIC 22P J 50V
	304 103 4508	CERAMIC 0.1U K 16V		304 094 7601	CERAMIC 22P J 50V
	304 095 0502	CERAMIC 0.1U K 16V	C2287	303 145 9918	CERAMIC 22P J 50V
C2228	303 298 9612	CERAMIC 0.1U K 16V		304 104 7904	CERAMIC 22P J 50V
	304 103 4508	CERAMIC 0.1U K 16V		304 094 7601	CERAMIC 22P J 50V
	304 095 0502	CERAMIC 0.1U K 16V	C232	303 070 0912	CERAMIC 0.1U K 50V
C2229	303 298 9612	CERAMIC 0.1U K 16V		304 091 2609	CERAMIC 0.1U K 50V
	304 103 4508	CERAMIC 0.1U K 16V	C233	303 398 9710	ELECT 100U M 50V
	304 095 0502	CERAMIC 0.1U K 16V		303 442 3619	ELECT 100U M 50V
C2230	303 298 9612	CERAMIC 0.1U K 16V	C235	303 386 0910	ELECT 100U M 16V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C236	303 312 8515	ELECT 100U M 16V	C7218	304 095 0502	CERAMIC 0.1U K 16V
	303 164 0217	CERAMIC 0.1U Z 25V		303 384 1414	ELECT 47U M 16V
	304 094 9803	CERAMIC 0.1U Z 25V		303 312 8416	ELECT 47U M 16V
C239	303 383 1316	ELECT 10U M 16V	C7219	303 378 1611	ELECT 470U M 16V
	303 238 3727	ELECT 10U M 16V		303 371 2318	ELECT 470U M 16V
C261	303 386 0910	ELECT 100U M 16V	C7220	303 345 6618	CERAMIC 1U M 10V
	303 312 8515	ELECT 100U M 16V		303 298 9612	CERAMIC 0.1U K 16V
C262	303 342 3313	CERAMIC 0.1U K 25V	C7221	304 103 4508	CERAMIC 0.1U K 16V
	304 103 6908	CERAMIC 0.1U K 25V		304 095 0502	CERAMIC 0.1U K 16V
	304 094 9803	CERAMIC 0.1U Z 25V		303 298 9612	CERAMIC 0.1U K 16V
C263	303 384 1315	ELECT 47U M 6.3V	C7222	304 103 4508	CERAMIC 0.1U K 16V
	303 273 8814	ELECT 47U M 6.3V		304 095 0502	CERAMIC 0.1U K 16V
	303 342 3313	CERAMIC 0.1U K 25V	C7223	303 342 3313	CERAMIC 0.1U K 25V
C264	304 103 6908	CERAMIC 0.1U K 25V		304 103 6908	CERAMIC 0.1U K 25V
	304 094 9803	CERAMIC 0.1U Z 25V		304 095 0809	CERAMIC 0.1U K 25V
C270	303 403 3610	NP-ELECT 22U M 16V	C72239	303 298 9612	CERAMIC 0.1U K 16V
C271	303 403 0916	ELECT 10U M 25V		304 103 4508	CERAMIC 0.1U K 16V
	303 347 0812	ELECT 10U M 25V		304 095 0502	CERAMIC 0.1U K 16V
C272	303 408 6210	NP-ELECT 10U M 16V	C7224	303 298 9612	CERAMIC 0.1U K 16V
C301	303 157 3317	CERAMIC 68P J 50V		304 103 4508	CERAMIC 0.1U K 16V
	304 104 4606	CERAMIC 68P J 50V		304 095 0502	CERAMIC 0.1U K 16V
	304 094 9001	CERAMIC 68P J 50V	C7225	303 298 9612	CERAMIC 0.1U K 16V
C302	303 157 3317	CERAMIC 68P J 50V		304 103 4508	CERAMIC 0.1U K 16V
	304 104 4606	CERAMIC 68P J 50V		304 095 0502	CERAMIC 0.1U K 16V
	304 094 9001	CERAMIC 68P J 50V	C7226	303 298 9612	CERAMIC 0.1U K 16V
C303	303 157 3317	CERAMIC 68P J 50V		304 103 4508	CERAMIC 0.1U K 16V
	304 104 4606	CERAMIC 68P J 50V		304 095 0502	CERAMIC 0.1U K 16V
	304 094 9001	CERAMIC 68P J 50V	C7227	303 298 9612	CERAMIC 0.1U K 16V
C304	303 157 3317	CERAMIC 68P J 50V		304 103 4508	CERAMIC 0.1U K 16V
	304 104 4606	CERAMIC 68P J 50V		304 095 0502	CERAMIC 0.1U K 16V
	304 094 9001	CERAMIC 68P J 50V	C7228	303 298 9612	CERAMIC 0.1U K 16V
C305	303 283 2710	CERAMIC 0.01U K 16V		304 103 4508	CERAMIC 0.1U K 16V
	304 103 4805	CERAMIC 0.01U K 16V		304 095 0502	CERAMIC 0.1U K 16V
	304 095 0403	CERAMIC 0.01U K 16V	C7229	303 386 0910	ELECT 100U M 16V
C306	303 383 1316	ELECT 10U M 16V		303 312 8515	ELECT 100U M 16V
	303 238 3727	ELECT 10U M 16V		303 298 9612	CERAMIC 0.1U K 16V
C307	303 394 2715	ELECT 1U M 50V	C7230	304 103 4508	CERAMIC 0.1U K 16V
	303 238 3420	ELECT 1U M 50V		304 095 0502	CERAMIC 0.1U K 16V
C308	303 305 3510	CERAMIC 0.1U Z 50V		303 336 3510	CERAMIC 0.47U K 16V
	304 094 4006	CERAMIC 0.1U Z 50V	C7231	304 103 6700	CERAMIC 0.47U K 16V
	303 386 0910	ELECT 100U M 16V		304 110 9800	CERAMIC 0.47U K 16V
C309	303 312 8515	ELECT 100U M 16V		303 298 9612	CERAMIC 0.1U K 16V
	303 383 1316	ELECT 10U M 16V	C7232	304 103 4508	CERAMIC 0.1U K 16V
	303 238 3727	ELECT 10U M 16V		304 095 0502	CERAMIC 0.1U K 16V
C310	303 394 2715	ELECT 1U M 50V		303 298 9612	CERAMIC 0.1U K 16V
	303 238 3420	ELECT 1U M 50V	C7233	304 103 4508	CERAMIC 0.1U K 16V
C311	303 305 3510	CERAMIC 0.1U Z 50V		304 095 0502	CERAMIC 0.1U K 16V
	304 094 4006	CERAMIC 0.1U Z 50V		303 298 9612	CERAMIC 0.1U K 16V
	303 386 0910	ELECT 100U M 16V	C7234	304 103 4508	CERAMIC 0.1U K 16V
C312	303 312 8515	ELECT 100U M 16V		304 095 0502	CERAMIC 0.1U K 16V
	303 345 6618	CERAMIC 1U M 10V		303 298 9612	CERAMIC 0.1U K 16V
	303 345 6618	CERAMIC 1U M 10V	C7235	304 103 4508	CERAMIC 0.1U K 16V
C313	303 345 6618	CERAMIC 1U M 10V		304 095 0502	CERAMIC 0.1U K 16V
	303 384 1414	ELECT 47U M 16V		303 298 9612	CERAMIC 0.1U K 16V
	303 312 8416	ELECT 47U M 16V	C7236	304 103 4508	CERAMIC 0.1U K 16V
C7203	303 345 6618	CERAMIC 1U M 10V		304 095 0502	CERAMIC 0.1U K 16V
C7204	303 345 6618	CERAMIC 1U M 10V		303 298 9612	CERAMIC 0.1U K 16V
C7207	303 345 6618	CERAMIC 1U M 10V	C7237	304 103 4508	CERAMIC 0.1U K 16V
C7208	303 345 6618	CERAMIC 1U M 10V		304 095 0502	CERAMIC 0.1U K 16V
C7209	303 384 1414	ELECT 47U M 16V		303 298 9612	CERAMIC 0.1U K 16V
	303 312 8416	ELECT 47U M 16V	C7238	304 103 4508	CERAMIC 0.1U K 16V
	303 345 6618	CERAMIC 1U M 10V		304 095 0502	CERAMIC 0.1U K 16V
C7211	303 384 1414	ELECT 47U M 16V		303 336 3510	CERAMIC 0.47U K 16V
C7212	303 312 8416	ELECT 47U M 16V	C7239	304 103 6700	CERAMIC 0.47U K 16V
	303 384 1414	ELECT 47U M 16V		304 110 9800	CERAMIC 0.47U K 16V
	303 312 8416	ELECT 47U M 16V		303 298 9612	CERAMIC 0.1U K 16V
C7213	303 384 1414	ELECT 47U M 16V	C7240	303 298 9612	CERAMIC 0.1U K 16V
	303 312 8416	ELECT 47U M 16V		304 103 4508	CERAMIC 0.1U K 16V
	303 384 1414	ELECT 47U M 16V		304 103 4508	CERAMIC 0.1U K 16V
C7214	303 312 8416	ELECT 47U M 16V			
	303 384 1414	ELECT 47U M 16V			
	303 312 8416	ELECT 47U M 16V			
C7215	303 384 1414	ELECT 47U M 16V			
C7216	303 312 8416	ELECT 47U M 16V			
	303 298 9612	CERAMIC 0.1U K 16V			
	304 103 4508	CERAMIC 0.1U K 16V			



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Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C7316	303 298 9612	CERAMIC 0.1U K 16V	C8012	304 103 4508	CERAMIC 0.1U K 16V
	304 103 4508	CERAMIC 0.1U K 16V		304 095 0502	CERAMIC 0.1U K 16V
	304 095 0502	CERAMIC 0.1U K 16V		304 091 3309	CERAMIC 2200P K 50V
C7317	303 145 9918	CERAMIC 22P J 50V	C8013	304 091 3309	CERAMIC 2200P K 50V
	304 104 7904	CERAMIC 22P J 50V		303 215 2214	CERAMIC 0.01U K 50V
	304 094 7601	CERAMIC 22P J 50V		304 103 2900	CERAMIC 0.01U K 50V
C7318	303 145 9918	CERAMIC 22P J 50V	C8017	304 090 1207	CERAMIC 0.01U K 50V
	304 104 7904	CERAMIC 22P J 50V		303 383 1316	ELECT 10U M 16V
	304 094 7601	CERAMIC 22P J 50V		303 238 3727	ELECT 10U M 16V
C7320	303 336 3510	CERAMIC 0.47U K 16V	C8021	304 094 9704	CERAMIC 1U Z 10V
	304 103 6700	CERAMIC 0.47U K 16V		304 094 9001	CERAMIC 68P J 50V
	304 110 9800	CERAMIC 0.47U K 16V		304 094 9001	CERAMIC 68P J 50V
C7322	303 336 3510	CERAMIC 0.47U K 16V	C8023	303 383 1316	ELECT 10U M 16V
	304 103 6700	CERAMIC 0.47U K 16V		303 238 3727	ELECT 10U M 16V
	304 110 9800	CERAMIC 0.47U K 16V		303 383 1316	ELECT 10U M 16V
C7323	303 336 3510	CERAMIC 0.47U K 16V	C8134	303 238 3727	ELECT 10U M 16V
	304 103 6700	CERAMIC 0.47U K 16V		303 298 9612	CERAMIC 0.1U K 16V
	304 110 9800	CERAMIC 0.47U K 16V		304 103 4508	CERAMIC 0.1U K 16V
C7325	303 336 3510	CERAMIC 0.47U K 16V	C8136	304 095 0502	CERAMIC 0.1U K 16V
	304 103 6700	CERAMIC 0.47U K 16V		303 298 9612	CERAMIC 0.1U K 16V
	304 110 9800	CERAMIC 0.47U K 16V		304 103 4508	CERAMIC 0.1U K 16V
C7326	303 336 3510	CERAMIC 0.47U K 16V	C8144	304 095 0502	CERAMIC 0.1U K 16V
	304 103 6700	CERAMIC 0.47U K 16V		303 345 6618	CERAMIC 1U M 10V
	304 110 9800	CERAMIC 0.47U K 16V		303 155 4217	CERAMIC 15P J 50V
C7327	303 281 2415	CERAMIC 0.22U K 16V	C8501	304 094 7007	CERAMIC 15P J 50V
	304 103 6601	CERAMIC 0.22U K 16V		303 157 2518	CERAMIC 27P J 50V
	303 281 2415	CERAMIC 0.22U K 16V		304 094 7809	CERAMIC 27P J 50V
C7329	304 103 6601	CERAMIC 0.22U K 16V	C8503	303 215 2214	CERAMIC 0.01U K 50V
	303 298 9612	CERAMIC 0.1U K 16V		304 090 1207	CERAMIC 0.01U K 50V
	304 103 4508	CERAMIC 0.1U K 16V		303 403 0718	ELECT 220U M 16V
C7331	304 095 0502	CERAMIC 0.1U K 16V	C8504	303 373 6314	ELECT 220U M 16V
	303 378 1611	ELECT 470U M 16V		303 113 3818	CERAMIC 1000P K 50V
	303 345 6618	CERAMIC 1U M 10V		304 090 1108	CERAMIC 1000P K 50V
C7332	304 094 9704	CERAMIC 1U Z 10V	C8506	303 394 2715	ELECT 1U M 50V
	303 345 6618	CERAMIC 1U M 10V		303 238 3420	ELECT 1U M 50V
	304 094 9704	CERAMIC 1U Z 10V		303 402 8418	ELECT 2.2U M 50V
C7334	303 378 1611	ELECT 470U M 16V	C8507	303 238 3529	ELECT 2.2U M 50V
	303 371 2318	ELECT 470U M 16V		303 394 2715	ELECT 1U M 50V
	303 345 6618	CERAMIC 1U M 10V		303 238 3420	ELECT 1U M 50V
C7335	304 094 9704	CERAMIC 1U Z 10V	C8509	303 215 2214	CERAMIC 0.01U K 50V
	303 298 9612	CERAMIC 0.1U K 16V		304 090 1207	CERAMIC 0.01U K 50V
	304 103 4508	CERAMIC 0.1U K 16V		303 224 6814	CERAMIC 0.033U Z 50V
C7339	304 095 0502	CERAMIC 0.1U K 16V	C8510	304 095 4906	CERAMIC 0.033U Z 50V
	303 384 1414	ELECT 47U M 16V		303 157 6219	CERAMIC 220P K 50V
	303 312 8416	ELECT 47U M 16V		304 104 5603	CERAMIC 220U K 50V
C7340	303 145 9918	CERAMIC 22P J 50V	C8516	304 091 3200	CERAMIC 220P K 50V
	304 104 7904	CERAMIC 22P J 50V		303 157 6219	CERAMIC 220P K 50V
	304 094 7601	CERAMIC 22P J 50V		304 104 5603	CERAMIC 220U K 50V
C7390	303 145 9918	CERAMIC 22P J 50V	C8517	304 091 3200	CERAMIC 220P K 50V
	304 104 7904	CERAMIC 22P J 50V		303 157 6219	CERAMIC 220P K 50V
	304 094 7601	CERAMIC 22P J 50V		304 104 5603	CERAMIC 220U K 50V
C7391	303 145 9918	CERAMIC 22P J 50V	C8518	303 157 6219	CERAMIC 220P K 50V
	304 104 7904	CERAMIC 22P J 50V		304 104 5603	CERAMIC 220U K 50V
	304 094 7601	CERAMIC 22P J 50V		304 091 3200	CERAMIC 220P K 50V
C8000	303 298 9612	CERAMIC 0.1U K 16V	RESISTOR		
	304 103 4508	CERAMIC 0.1U K 16V			
	304 095 0502	CERAMIC 0.1U K 16V			
C8001	303 298 9612	CERAMIC 0.1U K 16V	R008	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
	304 103 4508	CERAMIC 0.1U K 16V	R009	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
	304 095 0502	CERAMIC 0.1U K 16V	R011	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
C8002	303 298 9612	CERAMIC 0.1U K 16V	R101	301 150 5918	MT-GLAZE 10K JA 1/10W
	304 103 4508	CERAMIC 0.1U K 16V	R102	301 162 4015	MT-GLAZE 560 JA 1/10W
	304 095 0502	CERAMIC 0.1U K 16V	R1020	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
C8003	303 298 9612	CERAMIC 0.1U K 16V	R1021	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
	304 103 4508	CERAMIC 0.1U K 16V	R1022	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
	304 095 0502	CERAMIC 0.1U K 16V	R1023	301 150 5819	MT-GLAZE 100K JA 1/10W
C8004	303 298 9612	CERAMIC 0.1U K 16V	R1024	301 256 0312	MT-GLAZE 820 JA 1/10W
	304 103 4508	CERAMIC 0.1U K 16V	R1027	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
	304 095 0502	CERAMIC 0.1U K 16V	R1028	301 150 5819	MT-GLAZE 100K JA 1/10W
C8011	303 298 9612	CERAMIC 0.1U K 16V	R103	301 150 5918	MT-GLAZE 10K JA 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1031	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R126	301 258 9917	MT-GLAZE 10 JA 1/3W
R1033	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1263	301 260 4115	MT-GLAZE 75 JA 1/3W
R1034	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1268	301 150 5918	MT-GLAZE 10K JA 1/10W
R1035	301 150 5819	MT-GLAZE 100K JA 1/10W	R127	301 150 5918	MT-GLAZE 10K JA 1/10W
R1036	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1276	301 150 5918	MT-GLAZE 10K JA 1/10W
R1038	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1279	301 162 2912	MT-GLAZE 220 JA 1/10W
R104	301 162 4015	MT-GLAZE 560 JA 1/10W	R128	301 150 5918	MT-GLAZE 10K JA 1/10W
R1040	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1280	301 162 4114	MT-GLAZE 5.6K JA 1/10W
R1041	301 150 5819	MT-GLAZE 100K JA 1/10W	R1281	301 162 2912	MT-GLAZE 220 JA 1/10W
R1043	301 150 5819	MT-GLAZE 100K JA 1/10W	R1285	301 162 4114	MT-GLAZE 5.6K JA 1/10W
R1044	301 256 0312	MT-GLAZE 820 JA 1/10W	R1290	301 162 2912	MT-GLAZE 220 JA 1/10W
R1045	301 150 5819	MT-GLAZE 100K JA 1/10W	R1292	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1046	301 162 3810	MT-GLAZE 470K JA 1/10W	R1293	301 150 6212	MT-GLAZE 1K JA 1/10W
R105	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1297	301 162 2912	MT-GLAZE 220 JA 1/10W
R1052	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R130	301 150 6212	MT-GLAZE 1K JA 1/10W
R1053	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1300	301 162 4114	MT-GLAZE 5.6K JA 1/10W
R1055	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1306	301 162 4114	MT-GLAZE 5.6K JA 1/10W
R1058	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1315	301 162 4114	MT-GLAZE 5.6K JA 1/10W
R106	301 150 5918	MT-GLAZE 10K JA 1/10W	R1317	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1060	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1318	301 162 4114	MT-GLAZE 5.6K JA 1/10W
R108	301 150 6212	MT-GLAZE 1K JA 1/10W	R132	301 150 5918	MT-GLAZE 10K JA 1/10W
R110	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1322	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R112	301 150 5918	MT-GLAZE 10K JA 1/10W	R1323	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R114	301 150 6212	MT-GLAZE 1K JA 1/10W	R1324	301 258 9917	MT-GLAZE 10 JA 1/3W
R115	301 162 4114	MT-GLAZE 5.6K JA 1/10W	R1325	301 255 6513	MT-GLAZE 100 JA 1/10W
R116	301 256 2712	MT-GLAZE 75 JA 1/10W	R1326	301 258 9917	MT-GLAZE 10 JA 1/3W
R117	301 162 4114	MT-GLAZE 5.6K JA 1/10W	R1327	301 162 3810	MT-GLAZE 470K JA 1/10W
R118	301 256 2712	MT-GLAZE 75 JA 1/10W	R1328	301 162 3810	MT-GLAZE 470K JA 1/10W
R119	301 276 4710	MT-GLAZE 0.000 ZA 1/3W	R1329	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R120	301 301 0816	MT-GLAZE 1.3 JA 1W	R133	301 301 0816	MT-GLAZE 1.3 JA 1W
R1200	301 256 6512	MT-GLAZE 68 JA 1/10W	R1331	301 162 4114	MT-GLAZE 5.6K JA 1/10W
R1201	301 256 6512	MT-GLAZE 68 JA 1/10W	R1332	301 162 4114	MT-GLAZE 5.6K JA 1/10W
R1202	301 256 6512	MT-GLAZE 68 JA 1/10W	R1333	301 150 5918	MT-GLAZE 10K JA 1/10W
R1207	301 150 6113	MT-GLAZE 2.2K JA 1/10W	R1334	301 256 4112	MT-GLAZE 56 JA 1/10W
R1208	301 150 6113	MT-GLAZE 2.2K JA 1/10W	R1339	301 150 6212	MT-GLAZE 1K JA 1/10W
R1209	301 150 6113	MT-GLAZE 2.2K JA 1/10W	R1342	301 255 6513	MT-GLAZE 100 JA 1/10W
R121	301 301 0816	MT-GLAZE 1.3 JA 1W	R1344	301 256 6512	MT-GLAZE 68 JA 1/10W
R1210	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1349	301 150 6212	MT-GLAZE 1K JA 1/10W
R1211	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R135	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1212	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1350	301 150 6212	MT-GLAZE 1K JA 1/10W
R1213	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R1351	301 150 6212	MT-GLAZE 1K JA 1/10W
R1217	301 162 4114	MT-GLAZE 5.6K JA 1/10W	R136	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
R1218	301 162 4114	MT-GLAZE 5.6K JA 1/10W	R138	301 064 1617	OXIDE-MT 0.33 JA 2W
R1219	301 162 4114	MT-GLAZE 5.6K JA 1/10W		302 104 2806	OXIDE-MT 0.33JA 2W
R122	301 258 9917	MT-GLAZE 10 JA 1/3W		302 104 6507	OXIDE-MT 0.33JA 2W
R1220	301 162 4114	MT-GLAZE 5.6K JA 1/10W	R139	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
R1221	301 256 4112	MT-GLAZE 56 JA 1/10W	R141	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1222	301 256 4112	MT-GLAZE 56 JA 1/10W	R142	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1223	301 256 4112	MT-GLAZE 56 JA 1/10W	R143	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1228	301 150 5918	MT-GLAZE 10K JA 1/10W	R144	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1229	301 150 5918	MT-GLAZE 10K JA 1/10W	R146	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
R123	301 258 9917	MT-GLAZE 10 JA 1/3W	R148	301 150 5918	MT-GLAZE 10K JA 1/10W
R1230	301 150 5918	MT-GLAZE 10K JA 1/10W	R149	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
R1231	301 256 4112	MT-GLAZE 56 JA 1/10W	R1501	301 256 2712	MT-GLAZE 75 JA 1/10W
R1232	301 256 4112	MT-GLAZE 56 JA 1/10W	R1502	301 256 2712	MT-GLAZE 75 JA 1/10W
R1233	301 256 4112	MT-GLAZE 56 JA 1/10W	R151	301 162 2219	MT-GLAZE 10 JA 1/10W
R1234	301 256 4112	MT-GLAZE 56 JA 1/10W	R1513	301 150 5918	MT-GLAZE 10K JA 1/10W
R1239	301 162 4114	MT-GLAZE 5.6K JA 1/10W	R1514	301 150 5918	MT-GLAZE 10K JA 1/10W
R124	301 291 7611	MT-GLAZE 10 FA 1/2W	R1515	301 150 5918	MT-GLAZE 10K JA 1/10W
R1240	301 256 5614	MT-GLAZE 47 JA 1/10W	R1519	301 150 5918	MT-GLAZE 10K JA 1/10W
R1241	301 162 4114	MT-GLAZE 5.6K JA 1/10W	R152	301 258 8217	MT-GLAZE 680 JA 1/3W
R125	301 258 9917	MT-GLAZE 10 JA 1/3W	R1520	301 150 5918	MT-GLAZE 10K JA 1/10W
R1251	301 150 5918	MT-GLAZE 10K JA 1/10W	R1521	301 150 5918	MT-GLAZE 10K JA 1/10W
R1252	301 162 4114	MT-GLAZE 5.6K JA 1/10W	R1526	301 150 6212	MT-GLAZE 1K JA 1/10W
R1255	301 260 4115	MT-GLAZE 75 JA 1/3W	R1529	301 150 6212	MT-GLAZE 1K JA 1/10W
R1257	301 260 4115	MT-GLAZE 75 JA 1/3W	R153	301 255 6513	MT-GLAZE 100 JA 1/10W
R1259	301 260 4115	MT-GLAZE 75 JA 1/3W	R1530	301 150 6212	MT-GLAZE 1K JA 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1534	301 162 2219	MT-GLAZE 10 JA 1/10W	R2256	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1535	301 162 2219	MT-GLAZE 10 JA 1/10W	R2259	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1537	301 162 2219	MT-GLAZE 10 JA 1/10W	R2266	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1539	301 256 6918	MT-GLAZE 680 JA 1/10W	R250	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
R1542	301 256 6918	MT-GLAZE 680 JA 1/10W	R251	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
R1543	301 256 6918	MT-GLAZE 680 JA 1/10W	R262	301 069 0417	OXIDE-MT 6.8 JA 2W
R1546	301 150 6113	MT-GLAZE 2.2K JA 1/10W		301 069 0714	OXIDE-MT 6.8 JA 2W
R1547	301 150 6113	MT-GLAZE 2.2K JA 1/10W		302 103 5303	OXIDE-MT 6.8 JA 2W
R1549	301 150 6113	MT-GLAZE 2.2K JA 1/10W		302 093 2405	OXIDE-MT 6.8JA 2W
R155	301 150 6014	MT-GLAZE 0.000 ZA 1/10W		302 107 8003	OXIDE-MT 6.8JA 2W
R1551	301 256 3818	MT-GLAZE 1.5K JA 1/10W		302 085 3304	OXIDE-MT 6.8JA 2W
R1554	301 256 3818	MT-GLAZE 1.5K JA 1/10W	R267	301 198 7714	MT-GLAZE 33 JA 1W
R1555	301 256 3818	MT-GLAZE 1.5K JA 1/10W	R268	301 190 1710	MT-GLAZE 0.000 ZA 1W
R1558	301 256 3818	MT-GLAZE 1.5K JA 1/10W	R271	301 190 1710	MT-GLAZE 0.000 ZA 1W
R1559	301 256 3818	MT-GLAZE 1.5K JA 1/10W	R276	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R156	301 255 6513	MT-GLAZE 100 JA 1/10W	R277	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R1561	301 256 3818	MT-GLAZE 1.5K JA 1/10W	R279	301 150 5918	MT-GLAZE 10K JA 1/10W
R1562	301 150 5918	MT-GLAZE 10K JA 1/10W	R280	301 150 5918	MT-GLAZE 10K JA 1/10W
R157	301 150 5819	MT-GLAZE 100K JA 1/10W	R281	301 162 3612	MT-GLAZE 470 JA 1/10W
R1578	301 276 4710	MT-GLAZE 0.000 ZA 1/3W	R282	301 256 6512	MT-GLAZE 68 JA 1/10W
R160	301 162 2219	MT-GLAZE 10 JA 1/10W	R301	301 255 6513	MT-GLAZE 100 JA 1/10W
R161	301 258 8217	MT-GLAZE 680 JA 1/3W	R302	301 255 6513	MT-GLAZE 100 JA 1/10W
R162	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R303	301 255 6513	MT-GLAZE 100 JA 1/10W
R1651	301 256 5119	MT-GLAZE 560K JA 1/10W	R304	301 255 6513	MT-GLAZE 100 JA 1/10W
R1652	301 162 3018	MT-GLAZE 22K JA 1/10W	R305	301 162 3018	MT-GLAZE 22K JA 1/10W
R1653	301 265 0419	MT-GLAZE 39K FA 1/10W	R306	301 162 3018	MT-GLAZE 22K JA 1/10W
R1654	301 264 2810	MT-GLAZE 1.2K FA 1/10W	R309	301 150 6212	MT-GLAZE 1K JA 1/10W
R1656	301 265 5018	MT-GLAZE 750 FA 1/10W	R310	301 256 5614	MT-GLAZE 47 JA 1/10W
R1657	301 256 7212	MT-GLAZE 18K JA 1/10W	R311	301 162 3018	MT-GLAZE 22K JA 1/10W
R1658	301 150 6212	MT-GLAZE 1K JA 1/10W	R312	301 162 3018	MT-GLAZE 22K JA 1/10W
R1660	301 276 4710	MT-GLAZE 0.000 ZA 1/3W	R315	301 150 6212	MT-GLAZE 1K JA 1/10W
R1662	301 162 3018	MT-GLAZE 22K JA 1/10W	R316	301 256 5614	MT-GLAZE 47 JA 1/10W
R1663	301 162 3018	MT-GLAZE 22K JA 1/10W	R340	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R188	301 256 7618	MT-GLAZE 3.9K JA 1/10W	R341	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R189	301 256 0312	MT-GLAZE 820 JA 1/10W	R7103	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R191	301 150 6212	MT-GLAZE 1K JA 1/10W	R7200	301 256 2712	MT-GLAZE 75 JA 1/10W
R192	301 162 4114	MT-GLAZE 5.6K JA 1/10W	R7201	301 256 2712	MT-GLAZE 75 JA 1/10W
R193	301 256 6116	MT-GLAZE 4.7M JA 1/10W	R7202	301 256 2712	MT-GLAZE 75 JA 1/10W
R194	301 256 3511	MT-GLAZE 150K JA 1/10W	R7203	301 256 2712	MT-GLAZE 75 JA 1/10W
R196	301 256 6314	MT-GLAZE 47K JA 1/10W	R7204	301 256 2712	MT-GLAZE 75 JA 1/10W
R197	301 256 1715	MT-GLAZE 33K JA 1/10W	R7205	301 256 2712	MT-GLAZE 75 JA 1/10W
R198	301 150 6212	MT-GLAZE 1K JA 1/10W	R7206	301 150 6212	MT-GLAZE 1K JA 1/10W
R199	301 150 6212	MT-GLAZE 1K JA 1/10W	R7207	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R220	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R7210	301 150 5918	MT-GLAZE 10K JA 1/10W
R2200	301 190 1710	MT-GLAZE 0.000 ZA 1W	R7211	301 162 2219	MT-GLAZE 10 JA 1/10W
R2218	301 150 5918	MT-GLAZE 10K JA 1/10W	R7212	301 255 6513	MT-GLAZE 100 JA 1/10W
R2227	301 150 5918	MT-GLAZE 10K JA 1/10W	R7213	301 162 2219	MT-GLAZE 10 JA 1/10W
R2228	301 150 5918	MT-GLAZE 10K JA 1/10W	R7215	301 037 5017	MT-GLAZE 0.000 ZA 1/10W
R2229	301 150 5918	MT-GLAZE 10K JA 1/10W	R7217	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R2230	301 255 6513	MT-GLAZE 100 JA 1/10W	R7220	301 150 5819	MT-GLAZE 100K JA 1/10W
R2231	301 150 6212	MT-GLAZE 1K JA 1/10W	R7221	301 150 5819	MT-GLAZE 100K JA 1/10W
R2235	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R7222	301 255 6513	MT-GLAZE 100 JA 1/10W
R2236	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R7223	301 255 6513	MT-GLAZE 100 JA 1/10W
R2237	301 162 3711	MT-GLAZE 4.7K JA 1/10W	R7224	301 255 6513	MT-GLAZE 100 JA 1/10W
R2238	301 276 4710	MT-GLAZE 0.000 ZA 1/3W	R7225	301 255 6513	MT-GLAZE 100 JA 1/10W
R2239	301 150 5819	MT-GLAZE 100K JA 1/10W	R7227	301 150 5918	MT-GLAZE 10K JA 1/10W
R2243	301 255 6513	MT-GLAZE 100 JA 1/10W	R7228	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R2244	301 255 6513	MT-GLAZE 100 JA 1/10W	R7229	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R2245	301 255 6513	MT-GLAZE 100 JA 1/10W	R7230	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R2248	301 256 0718	MT-GLAZE 33 JA 1/10W	R7231	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R225	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R7232	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R2250	301 162 3711	MT-GLAZE 4.7K JA 1/10W	R7233	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R2251	301 162 3711	MT-GLAZE 4.7K JA 1/10W	R7235	301 256 5614	MT-GLAZE 47 JA 1/10W
R2252	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R7236	301 256 5614	MT-GLAZE 47 JA 1/10W
R2253	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R7237	301 256 5614	MT-GLAZE 47 JA 1/10W
R2254	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R7238	301 162 2219	MT-GLAZE 10 JA 1/10W
R2255	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R7239	301 162 2219	MT-GLAZE 10 JA 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R7240	301 162 2219	MT-GLAZE 10 JA 1/10W	R8044	301 150 5918	MT-GLAZE 10K JA 1/10W
R7241	301 162 2219	MT-GLAZE 10 JA 1/10W	R8045	301 255 6513	MT-GLAZE 100 JA 1/10W
R7242	301 162 2219	MT-GLAZE 10 JA 1/10W	R8046	301 150 5918	MT-GLAZE 10K JA 1/10W
R7243	301 162 2219	MT-GLAZE 10 JA 1/10W	R8049	301 256 3610	MT-GLAZE 15K JA 1/10W
R7244	301 162 2219	MT-GLAZE 10 JA 1/10W	R8050	301 150 5918	MT-GLAZE 10K JA 1/10W
R7245	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R8052	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R7248	301 255 8814	MT-GLAZE 12 JA 1/10W	R8053	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R7249	301 255 8814	MT-GLAZE 12 JA 1/10W	R8054	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R7250	301 162 2219	MT-GLAZE 10 JA 1/10W	R8055	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R7251	301 162 2219	MT-GLAZE 10 JA 1/10W	R8056	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R7252	301 162 2219	MT-GLAZE 10 JA 1/10W	R8057	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R7253	301 162 2219	MT-GLAZE 10 JA 1/10W	R8058	301 256 6314	MT-GLAZE 47K JA 1/10W
R7254	301 256 7519	MT-GLAZE 390 JA 1/10W	R8059	301 256 6314	MT-GLAZE 47K JA 1/10W
R7255	301 162 3117	MT-GLAZE 3.3K JA 1/10W	R8060	301 256 6314	MT-GLAZE 47K JA 1/10W
R7256	301 255 6513	MT-GLAZE 100 JA 1/10W	R8061	301 256 6314	MT-GLAZE 47K JA 1/10W
R7257	301 150 6212	MT-GLAZE 1K JA 1/10W	R8062	301 150 6113	MT-GLAZE 2.2K JA 1/10W
R7258	301 150 6212	MT-GLAZE 1K JA 1/10W	R8063	301 150 6113	MT-GLAZE 2.2K JA 1/10W
R7259	301 256 0718	MT-GLAZE 33 JA 1/10W	R8064	301 256 5911	MT-GLAZE 2.7K JA 1/10W
R7260	301 256 0718	MT-GLAZE 33 JA 1/10W	R8065	301 256 5911	MT-GLAZE 2.7K JA 1/10W
R7261	301 256 0718	MT-GLAZE 33 JA 1/10W	R8067	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R7262	301 256 0718	MT-GLAZE 33 JA 1/10W	R8069	301 162 3018	MT-GLAZE 22K JA 1/10W
R7263	301 256 0718	MT-GLAZE 33 JA 1/10W	R8070	301 150 5918	MT-GLAZE 10K JA 1/10W
R7264	301 256 0718	MT-GLAZE 33 JA 1/10W	R8072	301 150 6212	MT-GLAZE 1K JA 1/10W
R7265	301 256 0718	MT-GLAZE 33 JA 1/10W	R8073	301 162 3018	MT-GLAZE 22K JA 1/10W
R7266	301 256 0718	MT-GLAZE 33 JA 1/10W	R8074	301 255 6513	MT-GLAZE 100 JA 1/10W
R7267	301 162 2417	MT-GLAZE 1.2K JA 1/10W	R8075	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R7268	301 150 6212	MT-GLAZE 1K JA 1/10W	R8076	301 162 3612	MT-GLAZE 470 JA 1/10W
R7270	301 256 2910	MT-GLAZE 150 JA 1/10W	R8077	301 162 3612	MT-GLAZE 470 JA 1/10W
R7271	301 265 1614	MT-GLAZE 470 FA 1/10W	R8079	301 162 3612	MT-GLAZE 470 JA 1/10W
R7273	301 256 0718	MT-GLAZE 33 JA 1/10W	R8081	301 162 3612	MT-GLAZE 470 JA 1/10W
R7274	301 256 0718	MT-GLAZE 33 JA 1/10W	R8082	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R7276	301 264 1813	MT-GLAZE 1K FA 1/10W	R8083	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R7279	301 276 4710	MT-GLAZE 0.000 ZA 1/3W	R8084	301 150 6212	MT-GLAZE 1K JA 1/10W
R7280	301 276 4710	MT-GLAZE 0.000 ZA 1/3W	R8085	301 150 6212	MT-GLAZE 1K JA 1/10W
R7281	301 276 4710	MT-GLAZE 0.000 ZA 1/3W	R8086	301 150 6212	MT-GLAZE 1K JA 1/10W
R7285	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R8089	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R7286	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R8091	301 255 6513	MT-GLAZE 100 JA 1/10W
R7289	301 162 3612	MT-GLAZE 470 JA 1/10W	R8093	301 255 6513	MT-GLAZE 100 JA 1/10W
R7295	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R8094	301 162 3018	MT-GLAZE 22K JA 1/10W
R7296	301 150 5918	MT-GLAZE 10K JA 1/10W	R8095	301 162 3018	MT-GLAZE 22K JA 1/10W
R7298	301 162 3810	MT-GLAZE 470K JA 1/10W	R8096	301 162 3018	MT-GLAZE 22K JA 1/10W
R7299	301 162 3810	MT-GLAZE 470K JA 1/10W	R8098	301 255 6018	MT-GLAZE 1M JA 1/10W
R7300	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R8099	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R7301	301 150 5918	MT-GLAZE 10K JA 1/10W	R8120	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R7330	301 276 4710	MT-GLAZE 0.000 ZA 1/3W	R8123	301 256 0718	MT-GLAZE 33 JA 1/10W
R8001	301 150 6212	MT-GLAZE 1K JA 1/10W	R8124	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R8002	301 150 5918	MT-GLAZE 10K JA 1/10W	R8200	301 256 0718	MT-GLAZE 33 JA 1/10W
R8003	301 150 6212	MT-GLAZE 1K JA 1/10W	R8205	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R8004	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R8211	301 162 3018	MT-GLAZE 22K JA 1/10W
R8005	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R8212	301 162 3018	MT-GLAZE 22K JA 1/10W
R8007	301 150 6212	MT-GLAZE 1K JA 1/10W	R8214	301 150 5918	MT-GLAZE 10K JA 1/10W
R8009	301 255 8715	MT-GLAZE 22 JA 1/10W	R8215	301 150 5918	MT-GLAZE 10K JA 1/10W
R8011	301 255 6513	MT-GLAZE 100 JA 1/10W	R8218	301 256 0718	MT-GLAZE 33 JA 1/10W
R8013	301 255 6513	MT-GLAZE 100 JA 1/10W	R8220	301 256 0718	MT-GLAZE 33 JA 1/10W
R8014	301 255 6513	MT-GLAZE 100 JA 1/10W	R8270	301 150 5918	MT-GLAZE 10K JA 1/10W
R8015	301 256 4112	MT-GLAZE 56 JA 1/10W	R8272	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R8017	301 162 3018	MT-GLAZE 22K JA 1/10W	R8274	301 162 3018	MT-GLAZE 22K JA 1/10W
R8020	301 256 4112	MT-GLAZE 56 JA 1/10W	R8275	301 150 5918	MT-GLAZE 10K JA 1/10W
R8021	301 256 0718	MT-GLAZE 33 JA 1/10W	R8276	301 162 3018	MT-GLAZE 22K JA 1/10W
R8022	301 256 0718	MT-GLAZE 33 JA 1/10W	R8277	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R8023	301 256 0718	MT-GLAZE 33 JA 1/10W	R8278	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R8026	301 255 6513	MT-GLAZE 100 JA 1/10W	R8279	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R8028	301 256 6017	MT-GLAZE 27K JA 1/10W	R8280	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R8033	301 150 5918	MT-GLAZE 10K JA 1/10W	R8501	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R8041	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R8502	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R8042	301 150 5918	MT-GLAZE 10K JA 1/10W	R8503	301 162 3711	MT-GLAZE 4.7K JA 1/10W
R8043	301 150 5918	MT-GLAZE 10K JA 1/10W	R8504	301 162 3711	MT-GLAZE 4.7K JA 1/10W



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R8505	301 162 3711	MT-GLAZE 4.7K JA 1/10W	L101	945 075 0527	INDUCTOR,180U M
R8506	301 162 3711	MT-GLAZE 4.7K JA 1/10W	L111	945 036 3895	INDUCTOR,220 OHM
R8507	301 162 3711	MT-GLAZE 4.7K JA 1/10W		952 001 6980	INDUCTOR , 220 OHM
R8508	301 256 5812	MT-GLAZE 270K JA 1/10W	L1200	945 080 6828	INDUCTOR,3.3U M
R8509	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	L1301	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
R8510	301 162 3612	MT-GLAZE 470 JA 1/10W	L1302	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
R8511	301 256 0312	MT-GLAZE 820 JA 1/10W	L1500	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R8513	301 265 1713	MT-GLAZE 4.7K FA 1/10W	L1501	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R8514	301 162 3711	MT-GLAZE 4.7K JA 1/10W	L1502	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R8515	301 256 6017	MT-GLAZE 27K JA 1/10W	L1507	945 037 4501	INDUCTOR,1000 OHM
R8517	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	L1508	945 037 4501	INDUCTOR,1000 OHM
R8518	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	L1509	945 023 2979	INDUCTOR,800 OHM
R8520	301 256 3818	MT-GLAZE 1.5K JA 1/10W	L1511	945 059 1731	INDUCTOR,15U J
R8521	301 162 3711	MT-GLAZE 4.7K JA 1/10W	L1514	945 059 1731	INDUCTOR,15U J
R8522	301 256 0114	MT-GLAZE 8.2K JA 1/10W	L1515	945 059 1731	INDUCTOR,15U J
R8523	301 150 6113	MT-GLAZE 2.2K JA 1/10W	L1516	945 037 4501	INDUCTOR,1000 OHM
R8524	301 255 6018	MT-GLAZE 1M JA 1/10W	L1621	945 037 4501	INDUCTOR,1000 OHM
R8525	301 162 3810	MT-GLAZE 470K JA 1/10W	L1622	945 037 4501	INDUCTOR,1000 OHM
R8526	301 150 6113	MT-GLAZE 2.2K JA 1/10W	L1623	945 037 4501	INDUCTOR,1000 OHM
R8527	301 150 6113	MT-GLAZE 2.2K JA 1/10W	L1632	945 059 4961	INDUCTOR,2.2M J
R8528	301 150 6113	MT-GLAZE 2.2K JA 1/10W	L1670	945 040 6448	INDUCTOR,3.3U M
R8529	301 150 6113	MT-GLAZE 2.2K JA 1/10W	L199	945 040 6448	INDUCTOR,3.3U M
R8530	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	L201	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
R8532	301 162 3711	MT-GLAZE 4.7K JA 1/10W	L202	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
R8533	301 162 3711	MT-GLAZE 4.7K JA 1/10W	L203	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
R8534	301 162 3711	MT-GLAZE 4.7K JA 1/10W	L204	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
R8535	301 162 3711	MT-GLAZE 4.7K JA 1/10W	L205	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
R8536	301 255 6513	MT-GLAZE 100 JA 1/10W	L206	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
R8537	301 255 6513	MT-GLAZE 100 JA 1/10W	L207	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
R8538	301 255 6513	MT-GLAZE 100 JA 1/10W	L211	945 080 6828	INDUCTOR,3.3U M
R8539	301 255 6513	MT-GLAZE 100 JA 1/10W	L214	945 080 6828	INDUCTOR,3.3U M
R8540	301 255 6513	MT-GLAZE 100 JA 1/10W	L2200	945 036 3895	INDUCTOR,220 OHM
R8541	301 255 6513	MT-GLAZE 100 JA 1/10W		952 001 6980	INDUCTOR , 220 OHM
R8542	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	L2201	945 036 3895	INDUCTOR,220 OHM
RP2202	945 058 8847	R-NETWORK 33X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 031 4064	R-NETWORK 33X4 1/16W	L2202	945 036 3895	INDUCTOR,220 OHM
RP2203	945 058 8847	R-NETWORK 33X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 031 4064	R-NETWORK 33X4 1/16W	L2203	945 036 3895	INDUCTOR,220 OHM
RP7200	945 058 8847	R-NETWORK 33X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 031 4064	R-NETWORK 33X4 1/16W	L2204	945 036 3895	INDUCTOR,220 OHM
RP7201	945 058 8847	R-NETWORK 33X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 031 4064	R-NETWORK 33X4 1/16W	L2209	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
RP7202	945 037 3108	R-NETWORK 10X4 0.063W	L2210	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
	945 028 5982	R-NETWORK 10X4 1/16W	L2211	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
RP7203	945 037 3108	R-NETWORK 10X4 0.063W	L7200	945 044 8844	FILTER,EMI 200MHZ
	945 028 5982	R-NETWORK 10X4 1/16W	L7201	945 044 8844	FILTER,EMI 200MHZ
RP7204	945 037 3108	R-NETWORK 10X4 0.063W	L7202	945 044 8844	FILTER,EMI 200MHZ
	945 028 5982	R-NETWORK 10X4 1/16W	L7203	945 044 8844	FILTER,EMI 200MHZ
RP7205	945 037 3108	R-NETWORK 10X4 0.063W	L7204	945 044 8844	FILTER,EMI 200MHZ
	945 028 5982	R-NETWORK 10X4 1/16W	L7205	945 036 3895	INDUCTOR,220 OHM
RP7206	945 037 3108	R-NETWORK 10X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 028 5982	R-NETWORK 10X4 1/16W	L7206	945 036 3895	INDUCTOR,220 OHM
RP7207	945 037 3108	R-NETWORK 10X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 028 5982	R-NETWORK 10X4 1/16W	L7207	945 036 3895	INDUCTOR,220 OHM
RP7208	945 037 3108	R-NETWORK 10X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 028 5982	R-NETWORK 10X4 1/16W	L7208	945 036 3895	INDUCTOR,220 OHM
RP7209	945 037 3108	R-NETWORK 10X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 028 5982	R-NETWORK 10X4 1/16W	L7209	945 036 3895	INDUCTOR,220 OHM
RP7210	945 058 8847	R-NETWORK 33X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 031 4064	R-NETWORK 33X4 1/16W	L7210	945 036 3895	INDUCTOR,220 OHM
RP7211	945 058 8847	R-NETWORK 33X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 031 4064	R-NETWORK 33X4 1/16W	L7211	945 036 3895	INDUCTOR,220 OHM
RP8001	945 058 8847	R-NETWORK 33X4 0.063W		952 001 6980	INDUCTOR , 220 OHM
	945 031 4064	R-NETWORK 33X4 1/16W	L7212	945 036 3895	INDUCTOR,220 OHM
				952 001 6980	INDUCTOR , 220 OHM
			L7213	945 036 3895	INDUCTOR,220 OHM
				952 001 6980	INDUCTOR , 220 OHM
COIL					

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
L7214	945 036 3895	INDUCTOR,220 OHM	J1671	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
	952 001 6980	INDUCTOR , 220 OHM	J1672	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
L7217	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	J1673	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
L7218	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	J1674	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
L7221	945 036 3895	INDUCTOR,220 OHM	J1675	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
	952 001 6980	INDUCTOR , 220 OHM	J1676	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
L8001	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	J1690	301 276 4710	MT-GLAZE 0.000 ZA 1/3W
L8002	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	K1001	952 001 1961	SOCKET,DIN 4P
L8003	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	K1002	952 001 9172	JACK,RCA-6
L8004	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	K1003	952 001 9189	JACK,RCA-5(6-1)
L8006	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	K1303	910 009 8054	JACK,PHONE D3.6
L8007	301 150 6014	MT-GLAZE 0.000 ZA 1/10W		952 001 5938	JACK,PHONE D3.6
L8102	945 040 6448	INDUCTOR,3.3U M	K7200	945 050 8012	SOCKET,D-SUB 15P
L8501	945 040 6448	INDUCTOR,3.3U M		952 001 6874	SOCKET,D-SUB 15P
<b>DIODE</b>			K7204	945 007 7457	JACK,PHONE D3.5
D101	307 221 7119	ZENER DIODE UDZS-TE-1712B	K7207	945 075 4945	SOCKET,IF(HDMI) 19P
D102	307 149 6327	DIODE SFPB-54V	K8001	945 045 8485	SOCKET,DIN 9P
D104	307 149 0810	DIODE 1SS355-TE-17	SC1001	945 076 3503	SURGE-ABSORBER
D105	307 149 0810	DIODE 1SS355-TE-17	SC1002	945 076 3503	SURGE-ABSORBER
D1200	307 210 5416	DIODE RB551V-30-TE-17	SC1003	945 076 3503	SURGE-ABSORBER
D150	307 210 5416	DIODE RB551V-30-TE-17	SC1004	945 076 3503	SURGE-ABSORBER
D1500	307 149 0810	DIODE 1SS355-TE-17	SC1006	945 076 3503	SURGE-ABSORBER
D1501	307 149 0810	DIODE 1SS355-TE-17	SC1007	945 076 3503	SURGE-ABSORBER
D1502	307 149 0810	DIODE 1SS355-TE-17	SC1008	945 076 3503	SURGE-ABSORBER
D1506	307 149 0810	DIODE 1SS355-TE-17	SC1009	945 076 3503	SURGE-ABSORBER
D1620	307 149 0810	DIODE 1SS355-TE-17	SC1011	945 076 3503	SURGE-ABSORBER
D1621	307 149 0810	DIODE 1SS355-TE-17	SC1013	945 076 3503	SURGE-ABSORBER
D1622	307 149 0810	DIODE 1SS355-TE-17	SC1014	945 076 3503	SURGE-ABSORBER
D1653	307 210 5614	DIODE RB500V-40-TE-17	SC1016	945 076 3503	SURGE-ABSORBER
D1654	307 149 0810	DIODE 1SS355-TE-17	SC1017	945 076 3503	SURGE-ABSORBER
D1657	307 149 0810	DIODE 1SS355-TE-17	SC1018	945 076 3503	SURGE-ABSORBER
D2200	307 149 0810	DIODE 1SS355-TE-17	SC1019	945 076 3503	SURGE-ABSORBER
D2203	307 222 5916	ZENER DIODE UDZS3.6B-TE-17	SC1307	945 076 3503	SURGE-ABSORBER
D2204	307 004 1023	DIODE DCC010-TB	SC1308	945 076 3503	SURGE-ABSORBER
D2205	307 004 1023	DIODE DCC010-TB	SC1309	945 076 3503	SURGE-ABSORBER
D261	307 149 0810	DIODE 1SS355-TE-17	SC1500	945 076 3503	SURGE-ABSORBER
D7200	307 149 0810	DIODE 1SS355-TE-17	SC1501	945 076 3503	SURGE-ABSORBER
D7201	307 149 0810	DIODE 1SS355-TE-17	SC1502	945 076 3503	SURGE-ABSORBER
D7213	307 149 0810	DIODE 1SS355-TE-17	SC7200	945 076 3503	SURGE-ABSORBER
D7214	307 149 0810	DIODE 1SS355-TE-17	SC7201	945 076 3503	SURGE-ABSORBER
D7215	307 149 0810	DIODE 1SS355-TE-17	SC7202	945 076 3503	SURGE-ABSORBER
D7216	307 149 0810	DIODE 1SS355-TE-17	SC7203	945 076 3503	SURGE-ABSORBER
D7217	307 222 5916	ZENER DIODE UDZS3.6B-TE-17	SC7204	945 076 3503	SURGE-ABSORBER
D7218	307 004 1023	DIODE DCC010-TB	SC7207	945 076 3503	SURGE-ABSORBER
D7219	307 004 1023	DIODE DCC010-TB	SC7208	945 076 3503	SURGE-ABSORBER
D7220	307 004 1023	DIODE DCC010-TB	SC7211	945 076 3503	SURGE-ABSORBER
D7221	307 004 1023	DIODE DCC010-TB	SC7212	945 076 3503	SURGE-ABSORBER
D7222	307 208 9716	ZD UDZS-TE-175.6B	SC7213	945 076 3503	SURGE-ABSORBER
D7223	307 208 9716	ZD UDZS-TE-175.6B	SC7223	945 076 3503	SURGE-ABSORBER
D7224	307 208 9716	ZD UDZS-TE-175.6B	SC7224	945 076 3503	SURGE-ABSORBER
D7225	307 208 9716	ZD UDZS-TE-175.6B	SC7225	945 076 3503	SURGE-ABSORBER
D7226	307 208 9716	ZD UDZS-TE-175.6B	SC8000	945 076 3503	SURGE-ABSORBER
D7227	307 208 9716	ZD UDZS-TE-175.6B	SC8001	945 076 3503	SURGE-ABSORBER
D7228	307 231 8519	ZENER DIODE UDZS3.0B-TE-1	SC8002	945 076 3503	SURGE-ABSORBER
D8000	307 149 0810	DIODE 1SS355-TE-17	SC8003	945 076 3503	SURGE-ABSORBER
D8001	307 149 0810	DIODE 1SS355-TE-17	SC8004	945 076 3503	SURGE-ABSORBER
D8002	307 208 9716	ZD UDZS-TE-175.6B	SC8005	945 076 3503	SURGE-ABSORBER
D8003	307 208 9716	ZD UDZS-TE-175.6B	SC8006	945 076 3503	SURGE-ABSORBER
D8501	307 222 5916	ZENER DIODE UDZS3.6B-TE-17	X199	945 035 8839	OSC,CERAMIC 500.0KHZ
<b>MISCELLANEOUS</b>			X2000	945 030 5864	OSC,CRISTAL,14.318MHZ
A201	945 067 2065	TUNER,TU/IF/DEC		952 001 5709	OSC,CRYSTAL 14.31818MHZ
J102	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	X7222	945 030 5864	OSC,CRISTAL,14.318MHZ
J103	301 150 6014	MT-GLAZE 0.000 ZA 1/10W		952 001 5709	OSC,CRYSTAL 14.31818MHZ
J1665	301 276 4710	MT-GLAZE 0.000 ZA 1/3W	X8000	945 053 8811	OSC,CERAMIC 16.0MHZ
J1669	301 276 4710	MT-GLAZE 0.000 ZA 1/3W	X8501	945 004 1939	OSC,CRYSTAL 32.768KHZ

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
<b>655 001 7109 ASSY,PWB,KEY N4AV 1LG0B10Y007AB</b>			<b>655 001 7116 ASSY,PWB,POWER N4AV 1LG0B10Y0080A</b>		
<b>CAPACITOR</b>			<b>TRANSISTOR</b>		
C1905	303 164 0217	CERAMIC 0.1U Z 25V	Q602	305 167 6111	TR 2SD2226K-T146-V
	304 094 9803	CERAMIC 0.1U Z 25V		305 213 2517	TR 2SD2226KT146W
<b>RESISTOR</b>			Q605	305 134 5928	TR 2SA1037AK-T146-R
R1919	301 255 6513	MT-GLAZE 100 JA 1/10W		305 147 2218	TR 2SA1037AK-S-T146
R1951	301 256 6017	MT-GLAZE 27K JA 1/10W		305 002 0311	TR 2SA1037K T146 R
R1952	301 150 5918	MT-GLAZE 10K JA 1/10W		305 002 0410	TR 2SA1037K T146 S
R1953	301 162 4114	MT-GLAZE 5.6K JA 1/10W		305 002 6729	TR 2SA1179-M6-TB
R1954	301 162 3117	MT-GLAZE 3.3K JA 1/10W		305 002 6927	TR 2SA1179-M7-TB
R1955	301 150 6113	MT-GLAZE 2.2K JA 1/10W		305 163 1516	TR 2SA1179N-M6-TB
R1956	301 256 5911	MT-GLAZE 2.7K JA 1/10W		305 173 9618	TR 2SA1235A1E
R1957	301 150 5918	MT-GLAZE 10K JA 1/10W		305 173 9717	TR 2SA1235A1F
<b>COIL</b>			Q606	305 014 4512	TR 2SC2412K T146 R
L1955	945 004 6651	INDUCTOR,600 OHM		305 014 4611	TR 2SC2412K T146 S
<b>MISCELLANEOUS</b>				305 015 8727	TR 2SC2812-L6-TB
SC1903	945 076 3503	SURGE-ABSORBER		305 015 8925	TR 2SC2812-L7-TB
SC1956	945 076 3503	SURGE-ABSORBER		305 163 1615	TR 2SC2812N-L6-TB0
SW1950	945 026 2792	SWITCH,PUSH 1P-1TX1		305 173 9816	TR 2SC3928A1R
SW1951	945 026 2792	SWITCH,PUSH 1P-1TX1		305 173 9915	TR 2SC3928A1S
SW1952	945 026 2792	SWITCH,PUSH 1P-1TX1	Q607	305 213 5003	TR STP20NM50FP-SA1
SW1953	945 026 2792	SWITCH,PUSH 1P-1TX1	Q641	305 216 0807	TR 2SK3520-01MR-MY
SW1954	945 026 2792	SWITCH,PUSH 1P-1TX1	Q642	305 216 0807	TR 2SK3520-01MR-MY
SW1955	945 026 2792	SWITCH,PUSH 1P-1TX1	Q671	305 202 7714	TR TPC8109
SW1956	945 026 2792	SWITCH,PUSH 1P-1TX1	Q672	305 202 7714	TR TPC8109
ZD1951	307 206 5611	ZENER DIODE UDZS-TE-1710B	Q681	305 014 4512	TR 2SC2412K T146 R
ZD1952	307 206 5611	ZENER DIODE UDZS-TE-1710B		305 014 4611	TR 2SC2412K T146 S
ZD1953	307 206 5611	ZENER DIODE UDZS-TE-1710B		305 015 8727	TR 2SC2812-L6-TB
ZD1954	307 206 5611	ZENER DIODE UDZS-TE-1710B		305 015 8925	TR 2SC2812-L7-TB
ZD1955	307 206 5611	ZENER DIODE UDZS-TE-1710B		305 163 1615	TR 2SC2812N-L6-TB0
ZD1956	307 206 5611	ZENER DIODE UDZS-TE-1710B	Q682	305 173 9816	TR 2SC3928A1R
ZD1957	307 206 5611	ZENER DIODE UDZS-TE-1710B		305 173 9915	TR 2SC3928A1S
<b>655 001 7222 ASSY,PWB,LED N4AV 1LG0B10Y007AC</b>				305 014 4512	TR 2SC2412K T146 R
<b>CAPACITOR</b>				305 014 4611	TR 2SC2412K T146 S
C1901	303 113 3818	CERAMIC 1000P K 50V		305 015 8727	TR 2SC2812-L6-TB
	304 103 2405	CERAMIC 1000P K 50V		305 015 8925	TR 2SC2812-L7-TB
	304 090 1108	CERAMIC 1000P K 50V		305 163 1615	TR 2SC2812N-L6-TB0
C1902	303 368 7319	CERAMIC 10U K 6.3V		305 173 9816	TR 2SC3928A1R
C1903	303 368 7319	CERAMIC 10U K 6.3V		305 173 9915	TR 2SC3928A1S
<b>RESISTOR</b>			Q685	305 014 4512	TR 2SC2412K T146 R
R1901	301 255 6513	MT-GLAZE 100 JA 1/10W		305 014 4611	TR 2SC2412K T146 S
R1902	301 162 2912	MT-GLAZE 220 JA 1/10W		305 015 8727	TR 2SC2812-L6-TB
R1903	301 162 2912	MT-GLAZE 220 JA 1/10W		305 015 8925	TR 2SC2812-L7-TB
<b>DIODE</b>				305 163 1615	TR 2SC2812N-L6-TB0
D1901	308 052 8501	LED BT-102YXN-31		305 173 9816	TR 2SC3928A1R
D1902	307 158 9207	LED SPR-39MVWF		305 173 9915	TR 2SC3928A1S
<b>MISCELLANEOUS</b>			Q691	305 134 5928	TR 2SA1037AK-T146-R
SC1901	945 076 3503	SURGE-ABSORBER		305 147 2218	TR 2SA1037AK-S-T146
SC1902	945 076 3503	SURGE-ABSORBER		305 002 0311	TR 2SA1037K T146 R
U1901	945 075 9735	UNIT,REMOCON RECEIVER		305 002 0410	TR 2SA1037K T146 S
				305 002 6729	TR 2SA1179-M6-TB
				305 002 6927	TR 2SA1179-M7-TB
				305 163 1516	TR 2SA1179N-M6-TB
				305 173 9618	TR 2SA1235A1E
				305 173 9717	TR 2SA1235A1F
			Q693	305 014 4512	TR 2SC2412K T146 R
				305 014 4611	TR 2SC2412K T146 S



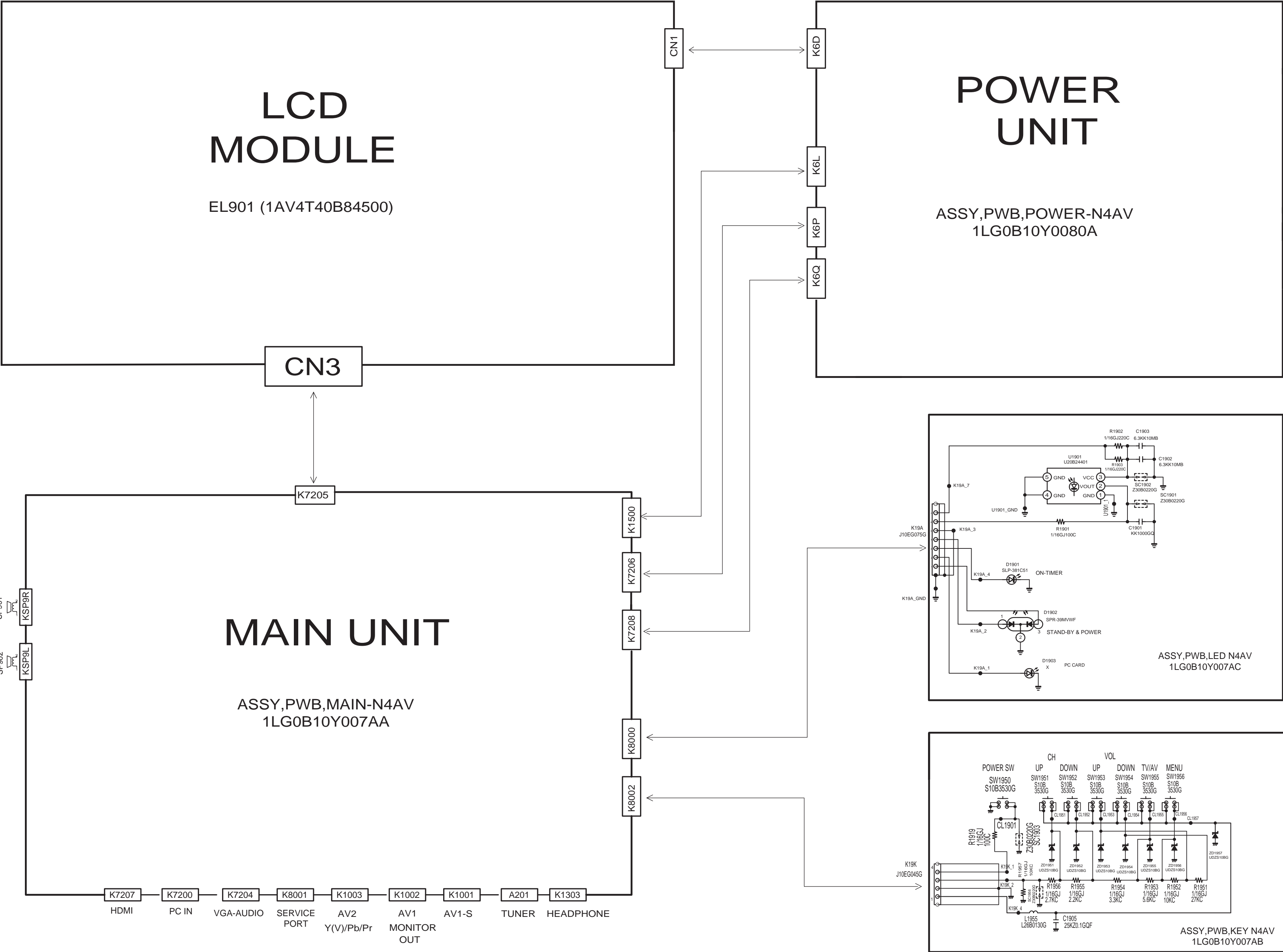
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q694	305 015 8727	TR 2SC2812-L6-TB	C620	303 247 6627	CERAMIC 680P K 2K
	305 015 8925	TR 2SC2812-L7-TB		303 275 8218	CERAMIC 680P K 2K
	305 163 1615	TR 2SC2812N-L6-TB0		303 232 2142	CERAMIC 680P K 2K
	305 173 9816	TR 2SC3928A1R		404 111 2401	CERAMIC 680P K 2K
	305 173 9915	TR 2SC3928A1S	C621	304 084 6607	CERAMIC 680P K 2K
	305 134 5928	TR 2SA1037AK-T146-R		303 224 6111	CERAMIC 0.01U K 50V
	305 147 2218	TR 2SA1037AK-S-T146		304 090 1207	CERAMIC 0.01U K 50V
	305 002 0311	TR 2SA1037K T146 R	C622	303 284 4317	CERAMIC 0.022U K 50V
	305 002 0410	TR 2SA1037K T146 S		304 090 1504	CERAMIC 0.022U K 50V
	305 002 6729	TR 2SA1179-M6-TB	C623	303 314 6212	CERAMIC 2.2U K 16V
	305 002 6927	TR 2SA1179-M7-TB	C626	303 364 5913	CERAMIC 0.22U K 16V
	305 163 1516	TR 2SA1179N-M6-TB	C627	303 224 6111	CERAMIC 0.01U K 50V
	305 173 9618	TR 2SA1235A1E		304 090 1207	CERAMIC 0.01U K 50V
	305 173 9717	TR 2SA1235A1F	C629	304 096 0709	MT-POLYEST 0.22U M 275V
INTEGRATED CIRCUIT				304 096 6701	MT-POLYPRO 0.22U M 275V
	IC601	309 666 5316 IC L6562D	C635	303 247 6627	CERAMIC 680P K 2K
	IC602	309 653 7405 IC MR4010-7101		303 275 8218	CERAMIC 680P K 2K
	IC603	309 666 5217 IC L6598D		303 232 2142	CERAMIC 680P K 2K
	IC604	309 180 2310 IC UPC1093J-T		404 111 2401	CERAMIC 680P K 2K
	IC605	309 431 2311 IC BA12FP-E2	△C637	304 084 6607	CERAMIC 680P K 2K
	IC610	309 180 2310 IC UPC1093J-T		304 104 9502	CERAMIC 1500P K 250V
CAPACITOR			△C638	304 103 9206	CERAMIC 1500P M 400V
				304 104 9502	CERAMIC 1500P K 250V
	C601	303 370 1510 CERAMIC 0.1U K 50V	C639	304 103 9206	CERAMIC 1500P M 400V
		304 091 2609 CERAMIC 0.1U K 50V		303 370 1510	CERAMIC 0.1U K 50V
	C602	303 247 6627 CERAMIC 680P K 2K		304 091 2609	CERAMIC 0.1U K 50V
C603		303 275 8218 CERAMIC 680P K 2K	C640	303 367 6511	CERAMIC 0.056U K 50V
		303 232 2142 CERAMIC 680P K 2K		304 091 4801	CERAMIC 0.056U K 50V
		404 111 2401 CERAMIC 680P K 2K	C641	303 222 1326	CERAMIC 1000P K 1K
		304 084 6607 CERAMIC 680P K 2K		303 271 9625	CERAMIC 1000P K 1K
		303 113 3818 CERAMIC 1000P K 50V		303 262 1839	CERAMIC 1000P K 1K
C604		304 103 2405 CERAMIC 1000P K 50V		304 107 8403	CERAMIC 1000P K 1K
		304 090 1108 CERAMIC 1000P K 50V	C642	304 084 6300	CERAMIC 1000P K 1K
		303 155 2213 CERAMIC 3300P K 50V		303 157 6417	CERAMIC 330P K 50V
		304 104 6105 CERAMIC 3300U K 50V		304 104 6006	CERAMIC 330U K 50V
		304 091 3903 CERAMIC 3300P K 50V	C643	304 091 3804	CERAMIC 330P K 50V
C605		303 222 1326 CERAMIC 1000P K 1K		303 370 1510	CERAMIC 0.1U K 50V
		303 271 9625 CERAMIC 1000P K 1K		304 091 2609	CERAMIC 0.1U K 50V
		303 262 1839 CERAMIC 1000P K 1K	C645	303 420 8711	ELECT 47U M 35V
		304 107 8403 CERAMIC 1000P K 1K		304 109 8005	ELECT 47U M 35V
		304 084 6300 CERAMIC 1000P K 1K		304 107 1206	ELECT 47U M 35V
C606		303 235 0610 CERAMIC 100P J 50V	C646	303 370 1510	CERAMIC 0.1U K 50V
		304 094 6406 CERAMIC 100P J 50V		304 091 2609	CERAMIC 0.1U K 50V
		304 108 5104 ELECT 100U M 35V	C647	304 107 7406	ELECT 150U M 400V
		304 087 3306 ELECT 100U M 35V		303 323 8719	MT-POLYEST 0.047U K 450V
			△C648	304 109 4601	MT-POLYEST 0.047U J 400V
C608		304 096 0709 MT-POLYEST 0.22U M 275V		304 073 5109	CERAMIC 470P K 250V
		304 096 6701 MT-POLYPRO 0.22U M 275V	C649	304 103 9008	CERAMIC 470P K 400V
		303 222 1326 CERAMIC 1000P K 1K		303 370 1510	CERAMIC 0.1U K 50V
		303 271 9625 CERAMIC 1000P K 1K	C651	304 091 2609	CERAMIC 0.1U K 50V
		303 262 1839 CERAMIC 1000P K 1K		303 281 2415	CERAMIC 0.22U K 16V
C614		304 107 8403 CERAMIC 1000P K 1K	C652	303 364 5913	CERAMIC 0.22U K 16V
		304 084 6300 CERAMIC 1000P K 1K		304 103 6601	CERAMIC 0.22U K 16V
		304 096 9009 ELECT 100U M 400V	C655	303 222 1326	CERAMIC 1000P K 1K
		303 222 1326 CERAMIC 1000P K 1K		303 271 9625	CERAMIC 1000P K 1K
		303 271 9625 CERAMIC 1000P K 1K		303 262 1839	CERAMIC 1000P K 1K
C615		303 262 1839 CERAMIC 1000P K 1K		304 107 8403	CERAMIC 1000P K 1K
		304 107 8403 CERAMIC 1000P K 1K	C657	304 084 6300	CERAMIC 1000P K 1K
		304 084 6300 CERAMIC 1000P K 1K		303 222 1326	CERAMIC 1000P K 1K
		303 420 8711 ELECT 47U M 35V		303 271 9625	CERAMIC 1000P K 1K
		304 109 8005 ELECT 47U M 35V		303 262 1839	CERAMIC 1000P K 1K
C616		304 107 1206 ELECT 47U M 35V	C658	304 107 8403	CERAMIC 1000P K 1K
		303 180 5210 MT-POLYEST 1U K 630V		304 084 6300	CERAMIC 1000P K 1K
		303 180 5210 MT-POLYEST 1U K 630V		303 245 4417	CERAMIC 470P K 2K
		304 108 4305 MT-POLYPRO 1U J 630V		303 275 8109	CERAMIC 470P K 2K
		△C619		303 232 1838	CERAMIC 470P K 2K
		304 104 9502 CERAMIC 1500P K 250V		404 111 2500	CERAMIC 470P K 2K
		304 103 9206 CERAMIC 1500P M 400V			


Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C659	304 086 2102	CERAMIC 470P K 2K		302 093 3303	CARBON 560K JA 1/2W
C662	404 110 9401	MT-POLYPRO 0.047U J 800V		302 102 1702	CARBON 560KJA 1 /2W
	303 224 6111	CERAMIC 0.01U K 50V	R611	301 150 5918	MT-GLAZE 10K JA 1/10W
	304 090 1207	CERAMIC 0.01U K 50V	R612	301 256 7717	MT-GLAZE 3.9M JA 1/10W
C663	304 106 3904	ELECT 1000U M 25V	R613	402 109 2303	OXIDE-MT 10JB 1W
	304 084 3507	ELECT 1000U M 25V	R614	301 010 4815	CARBON 470K JA 1/2W
C664	304 106 4208	ELECT 1000U M 35V		302 103 8403	CARBON 470K JA 1/2W
	304 087 3504	ELECT 1000U M 35V		302 092 5308	CARBON 470K JA 1/2W
C665	304 108 4503	ELECT 47U M 25V		302 088 8801	CARBON 470K JA 1/2W
	304 087 2606	ELECT 47U M 25V	R615	301 009 5846	CARBON 330 JA 1/2W
C666	303 224 6111	CERAMIC 0.01U K 50V		302 102 4901	CARBON 330JA 1/2W
	304 090 1207	CERAMIC 0.01U K 50V		302 092 4509	CARBON 330 JA 1/2W
C668	304 106 4208	ELECT 1000U M 35V		302 086 1606	CARBON 330 JA 1/2W
	304 087 3504	ELECT 1000U M 35V	R616	301 011 6729	CARBON 82K JA 1/2W
C671	304 106 3904	ELECT 1000U M 25V		302 105 8302	CARBON 82KJA 1/2
	304 084 3507	ELECT 1000U M 25V	R617	301 011 6729	CARBON 82K JA 1/2W
C676	304 108 4206	ELECT 470U M 35V		302 105 8302	CARBON 82KJA 1/2
	304 084 4603	ELECT 470U M 35V	R618	301 011 6729	CARBON 82K JA 1/2W
C680	303 222 1326	CERAMIC 1000P K 1K		302 105 8302	CARBON 82KJA 1/2
	303 271 9625	CERAMIC 1000P K 1K	R6201	301 150 5918	MT-GLAZE 10K JA 1/10W
	303 262 1839	CERAMIC 1000P K 1K	R6202	301 011 1120	CARBON 68 JA 1/2W
	304 107 8403	CERAMIC 1000P K 1K		402 110 6208	CARBON 68JA 1/ 2W
	304 084 6300	CERAMIC 1000P K 1K		302 105 1907	CARBON 68JA 1/2W
C6820	303 410 7034	ELECT 2200U M 16V		402 110 6307	CARBON 68 JA 1/2W
	304 106 4604	ELECT 2200U M 16V	R6203	301 064 1805	OXIDE-MT 0.39 JA 2W
		ELECT 2200U M 16V		302 105 2706	OXIDE-MT 0.39JA 2W
C6821	303 368 7319	CERAMIC 10U K 6.3V		302 105 2805	OXIDE-MT 0.39JA 2W
C6822	303 370 1510	CERAMIC 0.1U K 50V	R6204	301 162 4114	MT-GLAZE 5.6K JA 1/10W
	304 091 2609	CERAMIC 0.1U K 50V	R6205	301 256 0114	MT-GLAZE 8.2K JA 1/10W
C6823	303 410 7034	ELECT 2200U M 16V	R6206	301 256 3412	MT-GLAZE 7.5K JA 1/10W
	304 106 4604	ELECT 2200U M 16V	R6208	301 068 5819	OXIDE-MT 47K JA 2W
		ELECT 2200U M 16V		402 109 5601	OXIDE-MT 47K JA 2W
C6824	303 222 1326	CERAMIC 1000P K 1K		302 104 7900	OXIDE-MT 47KJA 2W
	303 271 9625	CERAMIC 1000P K 1K	R6209	301 269 1501	OXIDE-MT 0.56 JA 2W
	303 262 1839	CERAMIC 1000P K 1K		302 104 9003	OXIDE-MT 0.56 JA 2W
	304 107 8403	CERAMIC 1000P K 1K		302 095 4803	OXIDE-MT 0.56JA 2W
	304 084 6300	CERAMIC 1000P K 1K		302 095 4902	OXIDE-MT 0.56JA 2W
C684	303 135 0710	CERAMIC 1U K 25V	R621	301 010 4815	CARBON 470K JA 1/2W
C6865	303 279 4315	CERAMIC 0.33U K 16V		302 103 8403	CARBON 470K JA 1/2W
C6866	304 098 8901	ELECT 22U M 25V		302 092 5308	CARBON 470K JA 1/2W
	304 087 4709	ELECT 22U M 25V		302 088 8801	CARBON 470K JA 1/2W
C6867	304 106 3904	ELECT 1000U M 25V	R6210	301 069 9014	OXIDE-MT 82K JA 2W
	304 084 3507	ELECT 1000U M 25V		402 110 4907	OXIDE-MT 82KJA 2W
C6868	304 106 3805	ELECT 1000U M 16V	R6212	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
	304 104 2909	ELECT 1000U M 16V	R624	301 065 7509	OXIDE-MT 1.5K JA 2W
C6869	304 106 3805	ELECT 1000U M 16V		302 093 4904	OXIDE-MT 1.5KJA 2W
	304 104 2909	ELECT 1000U M 16V		302 106 5409	OXIDE-MT 1.5K JA 2W
C689	303 370 1510	CERAMIC 0.1U K 50V	R625	301 265 5711	MT-GLAZE 8.2K FA 1/10W
	304 091 2609	CERAMIC 0.1U K 50V	R626	301 264 4715	MT-GLAZE 1.8K FA 1/10W
C691	303 370 1510	CERAMIC 0.1U K 50V	R627	301 150 5819	MT-GLAZE 100K JA 1/10W
	304 091 2609	CERAMIC 0.1U K 50V	R628	302 106 5300	CARBON 750KJA 1/2
C692	303 356 4917	CERAMIC 0.22U Z 50V	R629	302 106 5300	CARBON 750KJA 1/2
	304 091 3408	CERAMIC 0.22U K 50V	R630	301 256 6314	MT-GLAZE 47K JA 1/10W
			R634	301 064 1805	OXIDE-MT 0.39 JA 2W
				302 105 2706	OXIDE-MT 0.39JA 2W
				302 105 2805	OXIDE-MT 0.39JA 2W
<b>RESISTOR</b>					
R602	301 150 5918	MT-GLAZE 10K JA 1/10W			
R604	301 008 8620	CARBON 220K JA 1/2W	R637	301 150 5918	MT-GLAZE 10K JA 1/10W
	302 102 5106	CARBON 220K JA 1/2W	R638	301 256 6314	MT-GLAZE 47K JA 1/10W
	302 092 4103	CARBON 220K JA 1/2W	R639	301 150 5918	MT-GLAZE 10K JA 1/10W
	302 086 1408	CARBON 220K JA 1/2W	R641	301 006 9322	CARBON 10 JA 1/2W
R605	301 162 3018	MT-GLAZE 22K JA 1/10W		302 102 8305	CARBON 10JA 1 /2W
R606	301 150 5918	MT-GLAZE 10K JA 1/10W		302 104 7702	CARBON 10 JA 1/2W
R607	301 150 5918	MT-GLAZE 10K JA 1/10W		302 104 8501	CARBON 10 JA 1/2W
R608	301 162 2219	MT-GLAZE 10 JA 1/10W	R642	301 150 6212	MT-GLAZE 1K JA 1/10W
R609	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	R643	301 162 2912	MT-GLAZE 220 JA 1/10W
R610	301 010 9216	CARBON 560K JA 1/2W	R644	301 256 6017	MT-GLAZE 27K JA 1/10W
	302 102 8602	CARBON 560K JA 1/2W	R645	301 264 2810	MT-GLAZE 1.2K FA 1/10W


Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R646	301 265 3014	MT-GLAZE 560 FA 1/10W		302 088 1406	RESISTER 3.3M JA 1/2W
R647	301 287 4914	MT-GLAZE 180K JA 1W	R678	302 105 9002	OXIDE-MT 0.68JB 1W
R648	301 287 4914	MT-GLAZE 180K JA 1W	R679	301 256 7618	MT-GLAZE 3.9K JA 1/10W
R649	301 150 6212	MT-GLAZE 1K JA 1/10W	R680	301 256 0114	MT-GLAZE 8.2K JA 1/10W
R650	301 007 0160	CARBON 100 JA 1/2W	R681	301 256 0114	MT-GLAZE 8.2K JA 1/10W
	302 102 9906	CARBON 100JA 1/2W	R6819	301 064 1617	OXIDE-MT 0.33 JA 2W
	302 104 8709	CARBON 100 JA 1/2		302 104 2806	OXIDE-MT 0.33JA 2W
	302 104 8105	CARBON 100 JA 1/2		302 104 6507	OXIDE-MT 0.33JA 2W
R651	301 011 4933	CARBON 82 JA 1/2W	R682	301 256 0213	MT-GLAZE 120K JA 1/10W
	302 104 8204	CARBON 82JA 1 /2W	R6820	301 162 3018	MT-GLAZE 22K JA 1/10W
	302 104 8303	CARBON 82 JA 1/2W	R6821	301 162 3018	MT-GLAZE 22K JA 1/10W
	302 104 7801	CARBON 82JA 1/2W	R6822	301 150 5918	MT-GLAZE 10K JA 1/10W
R652	301 010 7113	CARBON 56 JB 1/2W	R6823	301 162 3018	MT-GLAZE 22K JA 1/10W
	302 105 8203	CARBON 56JA 1/2W	R6824	301 150 6212	MT-GLAZE 1K JA 1/10W
R653	302 105 8500	OXIDE-MT 12KJB 1W	R6825	301 264 9314	MT-GLAZE 3.3K FA 1/10W
R654	301 162 2714	MT-GLAZE 180 JA 1/10W	R6826	301 265 0211	MT-GLAZE 390 FA 1/10W
R655	301 150 5819	MT-GLAZE 100K JA 1/10W	R6827	301 264 8812	MT-GLAZE 3K FA 1/10W
R656	301 064 1805	OXIDE-MT 0.39 JA 2W	R6828	301 150 6113	MT-GLAZE 2.2K JA 1/10W
	302 105 2706	OXIDE-MT 0.39JA 2W	R6830	301 162 3711	MT-GLAZE 4.7K JA 1/10W
	302 105 2805	OXIDE-MT 0.39JA 2W	R6831	301 010 3135	CARBON 470 JA 1/2W
R657	301 009 5846	CARBON 330 JA 1/2W		302 108 3304	CARBON 470JA 1/2W
	302 102 4901	CARBON 330JA 1/2W		302 092 5209	CARBON 470 JA 1/2W
	302 092 4509	CARBON 330 JA 1/2W		302 086 2405	CARBON 470 JA 1/2W
	302 086 1606	CARBON 330 JA 1/2W	R6872	301 150 5918	MT-GLAZE 10K JA 1/10W
R658	301 010 3838	CARBON 4.7K JA 1/2W	R6874	301 162 3711	MT-GLAZE 4.7K JA 1/10W
	302 108 2604	CARBON 4.7K JA 1/2	R6875	301 150 5918	MT-GLAZE 10K JA 1/10W
	302 104 3001	CARBON 4700 JA 1/2	R6877	301 162 3711	MT-GLAZE 4.7K JA 1/10W
	302 104 3100	CARBON 4700 JA 1/2	R688	301 019 6236	CARBON 4.7 JA 1/4W
R659	301 006 9322	CARBON 10 JA 1/2W	R6890	301 256 7311	MT-GLAZE 6.8K JA 1/10W
	302 102 8305	CARBON 10JA 1 /2W	R6891	301 256 7311	MT-GLAZE 6.8K JA 1/10W
	302 104 7702	CARBON 10 JA 1/2W	R690	301 150 6212	MT-GLAZE 1K JA 1/10W
	302 104 8501	CARBON 10 JA 1/2W	R691	301 162 3018	MT-GLAZE 22K JA 1/10W
R661	301 256 6314	MT-GLAZE 47K JA 1/10W	R692	301 150 6212	MT-GLAZE 1K JA 1/10W
R662	301 150 5819	MT-GLAZE 100K JA 1/10W	R693	301 150 5918	MT-GLAZE 10K JA 1/10W
R663	301 009 5846	CARBON 330 JA 1/2W	R694	301 150 6212	MT-GLAZE 1K JA 1/10W
	302 102 4901	CARBON 330JA 1/2W	R696	301 162 3018	MT-GLAZE 22K JA 1/10W
	302 092 4509	CARBON 330 JA 1/2W	R697	301 162 3018	MT-GLAZE 22K JA 1/10W
	302 086 1606	CARBON 330 JA 1/2W	R698	301 255 6513	MT-GLAZE 100 JA 1/10W
R664	301 006 9322	CARBON 10 JA 1/2W	R699	301 007 7644	CARBON 150 JA 1/2W
	302 102 8305	CARBON 10JA 1 /2W		302 108 2307	CARBON 150JA 1/2W
	302 104 7702	CARBON 10 JA 1/2W		302 092 3205	CARBON 150 JA 1/2W
	302 104 8501	CARBON 10 JA 1/2W		302 086 0609	CARBON 150 JA 1/2W
R665	401 069 4511	OXIDE-MT 68K JA 2W	<b>TRANSFORMER</b>		
	301 069 4811	OXIDE-MT 68K JA 2W	△ T605	952 001 8748	TRANS,POWER,PULSE
	302 103 4504	OXIDE-MT 68K JA 2W	△ T606	952 001 8625	TRANS,POWER,PULSE
	302 093 2702	OXIDE-MT 68KJA 2W	<b>COIL</b>		
	302 107 7808	OXIDE-MT 68KJA 2W	L603	952 001 7918	INDUCTOR ,200UH
	302 087 2503	OXIDE-MT 68KJA 2W		952 001 8687	INDUCTOR ,200UH
R666	401 069 4511	OXIDE-MT 68K JA 2W	L612	302 105 9309	OXIDE-MT 0.22JB 1W
	301 069 4811	OXIDE-MT 68K JA 2W	L616	302 105 9309	OXIDE-MT 0.22JB 1W
	302 103 4504	OXIDE-MT 68K JA 2W	L618	952 000 1740	CORE,PIPE
	302 093 2702	OXIDE-MT 68KJA 2W	L619	952 000 1740	CORE,PIPE
	302 107 7808	OXIDE-MT 68KJA 2W	L620	952 000 1740	CORE,PIPE
	302 087 2503	OXIDE-MT 68KJA 2W	L621	952 000 1740	CORE,PIPE
R667	301 150 5918	MT-GLAZE 10K JA 1/10W	L622	952 000 1740	CORE,PIPE
R668	301 265 0310	MT-GLAZE 3.9K FA 1/10W	L623	952 000 1740	CORE,PIPE
R669	301 265 0310	MT-GLAZE 3.9K FA 1/10W	L624	952 000 1740	CORE,PIPE
R670	301 264 1813	MT-GLAZE 1K FA 1/10W	△ LF641	952 001 6737	LINE FILTER
R671	301 264 1813	MT-GLAZE 1K FA 1/10W	<b>DIODE</b>		
R672	301 009 6625	CARBON 3.3K JA 1/2W	D601	307 149 0810	DIODE 1SS355-TE-17
	302 108 6404	CARBON 3.3K JA 1/2W	D602	308 061 4709	DIODE RL255
	302 092 4608	CARBON 3.3K JA 1/2W	D603	308 059 0409	DIODE D10XB80-7101
	302 086 1804	CARBON 3.3K JA 1/2W	△ D605	307 234 8704	PHOTO COUPLE PC123X5YFZ0F
R673	301 162 2912	MT-GLAZE 220 JA 1/10W		307 230 3901	PHOTO COUPLE PC123Y52J00F
△ R676	302 099 2904	CARBON 3.3M KA 1/2W			
	302 088 1406	RESISTER 3.3M JA 1/2W			
R677	302 099 2904	CARBON 3.3M KA 1/2W			


Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
△D606	307 234 8704	PHOTO COUPLE PC123X5YFZ0F	JP622	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
	307 230 3901	PHOTO COUPLE PC123Y52J00F	JP623	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
D611	307 190 4119	DIODE SFPL-52V	△RL601	945 028 2714	RELAY
D612	307 009 6924	DIODE RM11CV1		945 030 5598	RELAY
D613	307 009 6924	DIODE RM11CV1	△VA611	307 225 4302	VARISTOR ENE621D-14A
D614	307 141 1112	DIODE 1NU41		307 255 1401	VARISTOR S14K385E2
D615	307 249 4302	DIODE FMD-G26S			
D616	307 190 4119	DIODE SFPL-52V			
D618	307 009 6924	DIODE RM11CV1			
D619	307 009 6924	DIODE RM11CV1			
D620	307 009 6924	DIODE RM11CV1			
D624	307 253 8105	DIODE RB215T-90			
D627	307 253 7504	DIODE RB085T-60			
D639	307 221 9618	ZENER DIODE UDZS27B-TE-17			
D641	307 218 7610	ZENER DIODE UDZS18B-TE-17			
D642	307 190 4119	DIODE SFPL-52V			
D643	307 149 0810	DIODE 1SS355-TE-17			
D644	307 149 0810	DIODE 1SS355-TE-17			
D645	307 149 6327	DIODE SFPB-54V			
D646	307 231 2210	ZENER DIODE UDZS13B-TE-17			
D647	307 149 6327	DIODE SFPB-54V			
D650	307 149 0810	DIODE 1SS355-TE-17			
D651	307 206 5611	ZENER DIODE UDZS-TE-1710B			
D652	307 146 8116	DIODE EG01C			
	308 058 3807	DIODE EG01C			
D653	307 206 5611	ZENER DIODE UDZS-TE-1710B			
D654	307 190 4119	DIODE SFPL-52V			
D655	307 190 4119	DIODE SFPL-52V			
D656	307 206 5413	ZD UDZS-TE-178.2B			
D657	307 252 6914	ZENER DIODE U1ZB150 TE12R			
D658	307 252 6914	ZENER DIODE U1ZB150 TE12R			
D659	307 252 6914	ZENER DIODE U1ZB150 TE12R			
D660	307 252 6914	ZENER DIODE U1ZB150 TE12R			
△D681	307 234 8704	PHOTO COUPLE PC123X5YFZ0F			
	307 230 3901	PHOTO COUPLE PC123Y52J00F			
△D682	307 234 8704	PHOTO COUPLE PC123X5YFZ0F			
	307 230 3901	PHOTO COUPLE PC123Y52J00F			
D683	307 149 0810	DIODE 1SS355-TE-17			
D684	307 251 9500	DIODE YG862C10R-MY			
D687	307 149 0810	DIODE 1SS355-TE-17			
D691	307 149 0810	DIODE 1SS355-TE-17			
D692	307 149 0810	DIODE 1SS355-TE-17			
D693	307 149 0810	DIODE 1SS355-TE-17			
D694	308 053 9200	ZENER DIODE MTZJ18B-26			
<b>MISCELLANEOUS</b>					
△F601	323 022 2105	FUSE 250V 4A			
△F602	324 006 1503	FUSE 250V 2.5A			
△F603	324 006 1503	FUSE 250V 2.5A			
△F604	324 006 1503	FUSE 250V 2.5A			
JP605	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP606	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP607	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP608	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP609	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP610	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP611	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
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JP613	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
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JP615	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP616	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP618	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP619	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP620	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
JP621	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			





**THE SERVICE PRECAUTION:**  
The area enclosed by this line(  ) is directly connected with AC mains voltage.  
When servicing the area, connect an isolating transformer between TV receiver and AC line to eliminate hazard of electric shock.

**COLOUR TELEVISION**  
**UH1-L** CHASSIS SERIES  
SERVICE REF. NO. **LCD-32XH3-00**

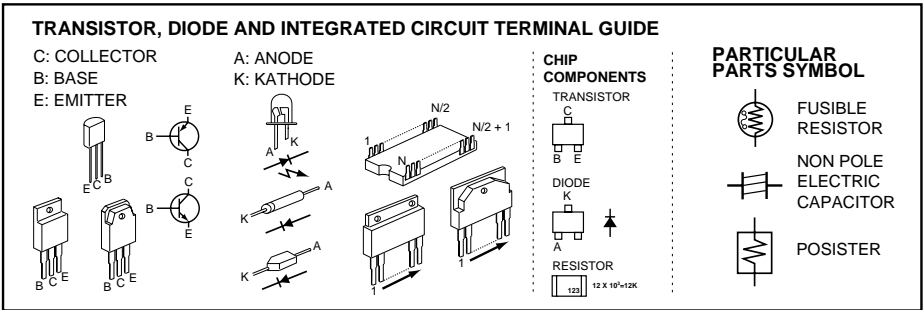
**PRODUCT SAFETY NOTICE:**  
Product safety should be considered when a component replacement is made in any area of a receiver.  
Components indicated by a mark  in this circuit diagram show components whose values have special significance to product safety. It is particularly recommended that only parts specified on the part service manual be used for components replacement pointed out by the mark.

**CIRCUIT DIAGRAM NOTICE:**  
1. All resistance value are in ohms, K=1,000, M=1,000,000.  
2. All resistance rated wattages are 1/6W unless otherwise noted.  
3. Excepting electrolytic capacitors, all capacitance values of less than 1 are expressed in  $\mu$ F and more than 1 are  $\mu$ F.  
4. All capacitance rated voltages are 50V unless otherwise noted.  
5. All inductance values are in  $\mu$ H.  
6. This circuit diagram covers a basic or representative chassis only. There may be some components or partial circuit differences between the actual chassis and the circuit diagram.  
7. Parts specified with "X" are not installed in this model.  
8. Parts specified with "J" are just jumper wires.

9. Expression of capacitance and resistance in circuit diagram.

**Capacitance (Example)**  
1000 C M 2000 D  
Characteristic Capacitance value (220pF)  
Allowable error ( $\pm 20\%$ )  
Kind (Ceramic)  
Rated voltage (1,000V)  
T, A, U, D: Electrolytic  
C, K, B: Ceramic  
F: Mylar film  
M, N: Polypropylene  
Z: Metalized paper

**Resistance (Example)**  
1/2 N J 1.2  
Resistance value (1.2 $\Omega$ )  
Allowable error ( $\pm 5\%$ )  
Kind (M.carbon)  
Rated wattage (1/2W)  
D: Carbon  
N: Metalized carbon  
S: Oxied metalized  
W: Wire winding  
C: Solid













ASSY,PWB,POWER,N4AV  
1LG0B10Y0080A

