JVC

SERVICE MANUAL

LCD MONITOR

LT-42WX70/APT, LT-42WX70/AUPT, LT-42WX70/BPT, LT-42WX70/GPT, LT-42WX70/TPT, LT-42WX70EU/PP

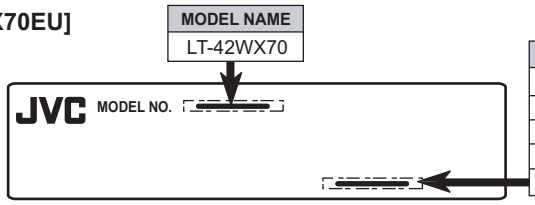
BASIC CHASSIS
MX7

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

[RM-C2400] [RM-C2410] [RM-C2420]

LT-42WX70 series only [Except LT-42WX70EU]

There may be multiple versions of this TV model.
The TV version is identified by the letters next to the model number on the TV's Rating.(See illustration).
Use the service manual that matches the version of the TV.



RATING LABEL (REAR)

LABEL indication	SERVICE MODEL NAME
LT42WX70APT	LT-42WX70/APT
LT42WX70UPT	**LT-42WX70/AUPT**
LT42WX70BPT	LT-42WX70/BPT
LT42WX70TPT	LT-42WX70/TPT
LT42WX70GTP	LT-42WX70/GTP

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No.YA700<Rev.001>
2009/6

SPECIFICATION

Items		Contents		
		LT-42WX70EU/PP	LT-42WX70/AUPT LT-42WX70/BPT LT-42WX70/GPT	LT-42WX70/APT LT-42WX70/TPT
Dimension (W × H × D)		99.0 cm × 71.68 cm × 17.0 cm [With stand (At the high position)] 99.0 cm × 68.93 cm × 17.0 cm [With stand (At the middle position)] 99.0 cm × 66.18 cm × 17.0 cm [With stand (At the low position)] 99.0 cm × 59.98 cm × 4.25 cm [Without stand]		
Mass		12.0 kg (without the speaker unit and the stand) 17.8 kg (including the stand) 19.0 kg (including the speaker unit and the stand)		
Power Input		AC110V - AC240 V, 50 Hz / 60 Hz		
Power Consumption		175 W		
Power consumption (on standby)		AC 230 V: 0.7 W, AC 100 V: 0.4 W		
LCD panel		42 V-inch wide aspect (16 : 9)		
Screen Size		Diagonal: 107 cm (H: 93.0 cm × V: 52.3 cm)		
Display Pixels		Horizontal: 1920 dots × Vertical: 1080 dots		
Audio Power Output		10 W + 10 W		
Speaker		3.0 cm × 13.0 cm , Bass Reflex Box × 2		
INPUT-1/2/3	HDMI Input	HDMI connector × 3 (V.1.3, with Deep Color, with x.v.Colour™, HDMI™ CEC Support) *When you connect a DVI device to INPUT-2 or INPUT-3, only the video signal is played back, and the sound signal is not.		
INPUT-4	RGB input	D-sub 3-row 15-pin × 1 (RGB is compatible with DDC2B.)		
	Video signal	G, Y : 1V(p-p) / 75Ω (including sync) B, R, Pb/Cb, Pr/Cr : 0.7V(p-p) / 75 Ω		
	Horizontal sync (HD)	HD : 0.3 V(p-p) - 5 V(p-p) / 1 kΩ(positive / negative polarity), 31.469 kHz - 75.000 kHz		
	Vertical sync (VD)	VD : 1 V(p-p) - 5 V(p-p) / 1 kΩ(positive / negative polarity), 60 Hz ± 5 Hz		
AUDIO INPUT (INPUT-1/4)		3.5 mm stereo mini jack connector × 1, 500 mV(rms) / high impedance		
EXT. SPEAKER OUT		Output terminal (L/R), impedance 8 Ω		
REMOTE		D-sub 2-row 9-pin connector × 1 (RS-232C) (for external serial control)		
Remote control unit		RM-C2400 (AAA/R03 dry cell battery × 2)	RM-C2410 (AAA/R03 dry cell battery × 2)	RM-C2420 (AAA/R03 dry cell battery × 2)

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

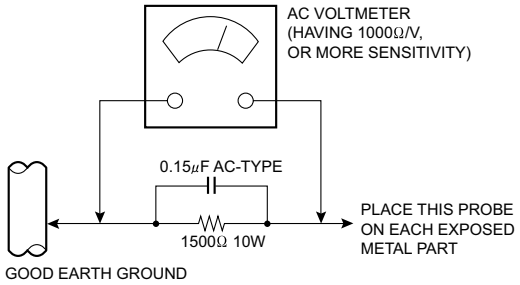
(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 SAFETY PRECAUTIONS [FOR UK]

(1) The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
(2) Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
(3) Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.
(4) The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

WARNING

(1) The equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 INSTALLATION

1.3.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

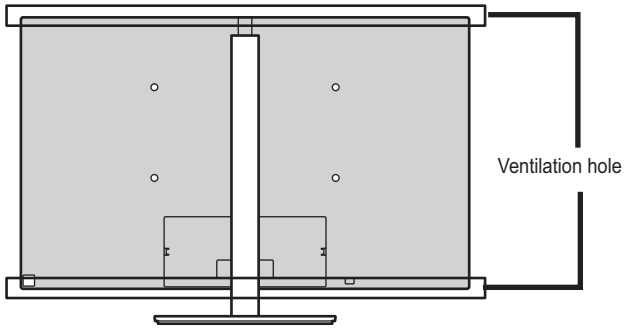


*Diagram differs from actual appearance.

1.3.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.Install the unit on stable flooring or stands.Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

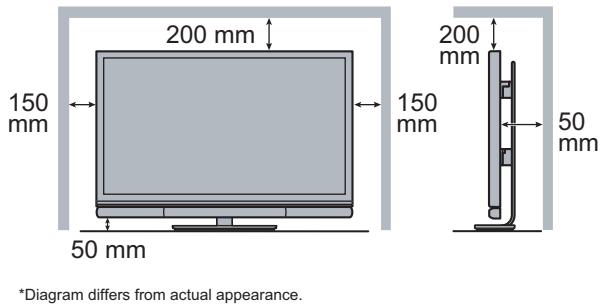


*Diagram differs from actual appearance.

1.3.2.1 WHEN FIXING TO FURNITURE

(1) Thread a belt (not supplied) through the hole on the back of the stand.
(2) Fix the belt to the furniture using a screw.

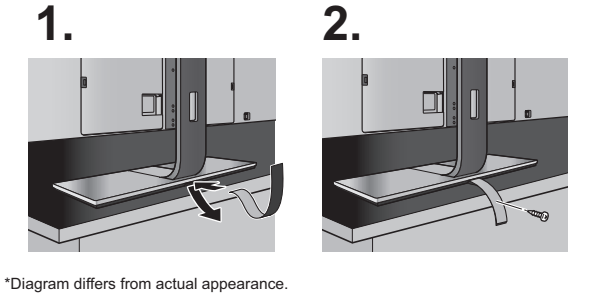


*Diagram differs from actual appearance.

1.3.2.2 MOUNTING THE UNIT TO THE WALL

When selecting a wall mounting unit to mount the unit to the wall, be sure to keep the distance shown in the figure for good heat dissipation. This note is only about the heat dissipation to maintain normal operation of the unit, and not about the mounting strength. Please inquire the manufacturer of the wall mounting unit for the strength of the mounting unit.

CONDITION 1:

When mounting the unit to the wall, set the metal fittings so that the distance A shown in Fig. 1 stays less than 90mm.

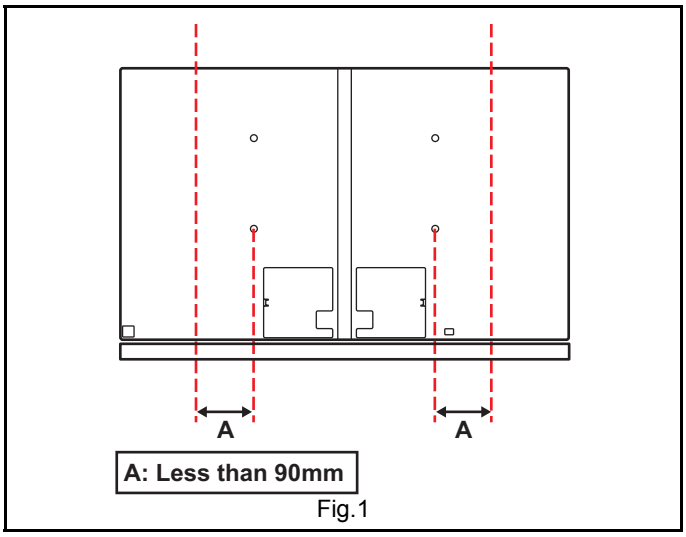


Fig.1

CONDITION 2:

When using the metal fittings with 90mm or more distance A, set the distance between the metal fittings and the rear cover more than 40mm as shown in Fig. 2.

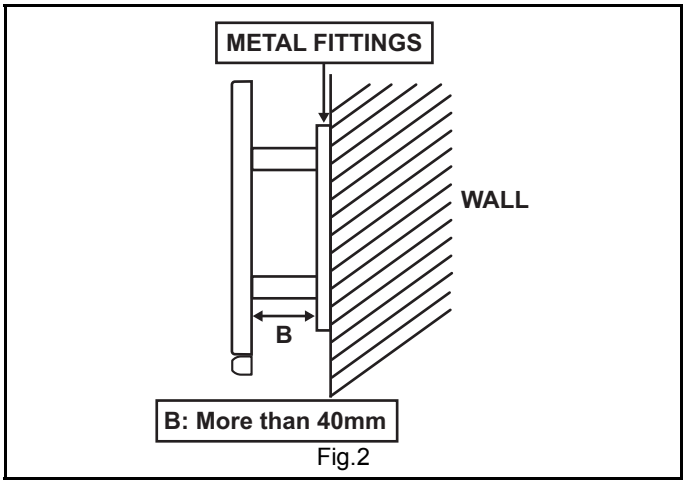


Fig.2

1.3.3 NOTES ON HANDLING

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

1.4 HANDLING LCD PANEL

1.4.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL

When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT

Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS

The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY

Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.4.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.
(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).
(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.
(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.4.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.
(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.
(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

1.4.4 HOW TO CHECK THE OPERATING TIME

This model has a function to count and record the LCD panel operating time. The operating time can be checked in the following procedure.

- Maximum count time = 131070 hours

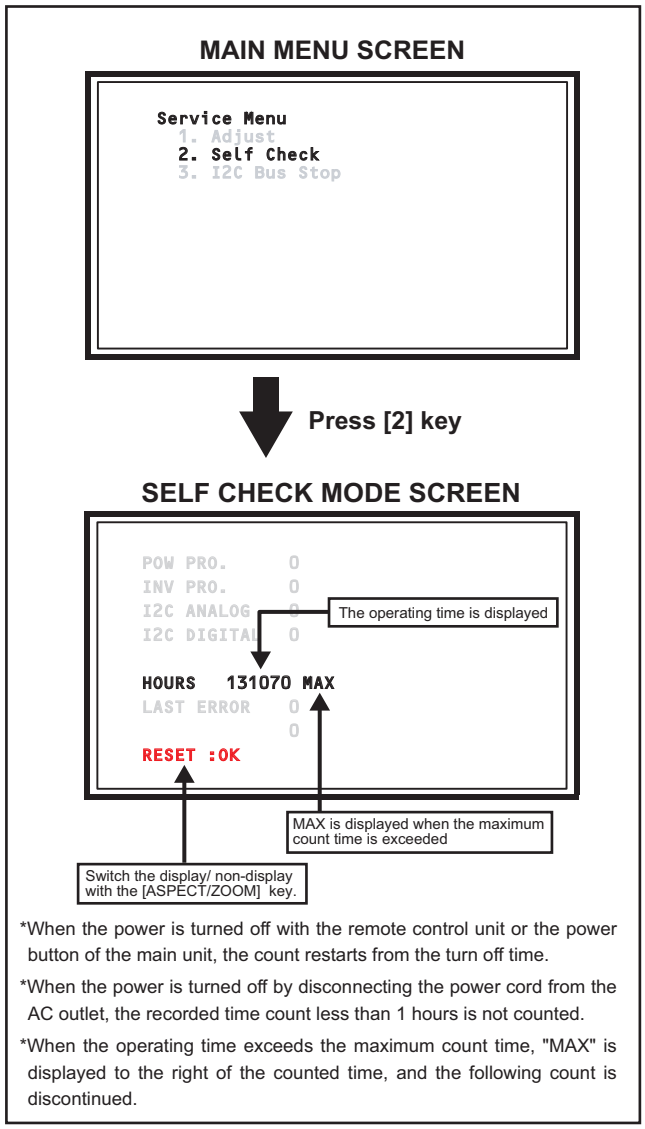
(1) Press **[DISPLAY]** key and **[MUTING]** or **[INFORMATION]** key on the remote control unit simultaneously to enter the SERVICE MODE SCREEN.
(2) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
(3) The operating time of the LCD panel is displayed in 6-digit decimal number.

1.4.5 HOW TO RESET THE OPERATING TIME

(1) Press **[DISPLAY]** key and **[MUTING]** or **[INFORMATION]** key on the remote control unit simultaneously to enter the SERVICE MODE SCREEN.
(2) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
(3) When the self check screen(page-1) is displayed, press **[ASPECT(ZOOM)]** key.
(4) "RESET : OK" is displayed under the operating time.
(5) Press the **[OK]** key to reset the operating time.

NOTE:

When the LCD PANEL UNIT is replaced, be sure to reset the operating time following the above method.



*When the power is turned off with the remote control unit or the power button of the main unit, the count restarts from the turn off time.

*When the power is turned off by disconnecting the power cord from the AC outlet, the recorded time count less than 1 hours is not counted.

*When the operating time exceeds the maximum count time, "MAX" is displayed to the right of the counted time, and the following count is discontinued.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

Picture Management

This function makes it easier to see the dark areas when a picture has many dark areas, and makes it easier to see the bright areas when a picture has many bright areas.

Colour Management

This function ensures dull colours are compensated to produce natural hues.

Full HD

Full HD models deliver superbly detailed image reproduction of more than 2 megapixels (1920 x 1080), which represents double the resolution offered by WXGA panels.

DIGITAL VNR

This function cuts down the amount of noise in the original picture.

MPEG Noise Reduction

This function effects the block noise removal and mosquito NR simultaneously.

2.2 MAIN DIFFERENCE LIST

Item	LT-42WX70EU/PP	LT-42WX70A/PT	LT-42WX70G/PT	LT-42WX70B/PT	LT-42WX70AU/PT	LT-42WX70T/PT
REMOTE CONTROL UNIT	RM-C2400	RM-C2420	RM-C2410	RM-C2410	RM-C2410	RM-C2420
POWER CORD	Round 2pin UK 3pin Italy type Swiss type (It depends on the destination)	US 3 pin	Round 3pin UK 3pin (It depends on the destination)	TISI plug	Austraria 3pin	Taiwan 3pin

2.3 COMPLIANT SIGNAL FORMATS

Classification	Signal Name	Frequency			Total region		Effective region	
		Vertical	horizontal	Dot clock	Pixel	Line	Pixel	Line
		Hz	kHz	MHz	pixel/line	line/frame	pixel/line	line/frame
Composite	NTSC, NTSC4.43, PAL60, PAL-M	59.94	15.734	----	858	525	720	483
	PAL50, SECAM, PAL-N	50	15.625	----	864	625	720	576
Component	480/60i	59.94	15.734	----	858	525	720	483
	576/50i	50	15.625	----	864	625	720	576
	480/60p	59.94	31.469	----	858	525	720	483
	576/50p	50	31.25	----	864	625	720	576
	720/60p	59.94	44.955	----	1650	750	1280	720
	720/50p	50	37.5	----	1980	750	1280	720
	1080/60i	59.94	33.716	----	2200	1125	1920	1080
	1080/50i	50	28.125	----	2640	1125	1920	1080
	1080/60p	59.94	67.433	----	2200	1125	1920	1080
	1080/50p	50	56.25	----	2640	1125	1920	1080
	1080/30p	29.97	33.716	----	2200	1125	1920	1080
	1080/24p	24	27	----	2750	1125	1920	1080

Classification	Signal Name	Frequency			Total region		Effective region	
		Vertical	horizontal	Dot clock	Pixel	Line	Pixel	Line
		Hz	kHz	MHz	pixel/line	line/frame	pixel/line	line/frame
PC (Analog)	PC98/56	56.42	24.823	21.05	848	440	640	400
	VGA/60	59.94	31.469	25.175	800	525	640	480
	VGA/72	72.809	37.861	31.5	832	520	640	480
	VGA/75	75	37.500	31.5	840	500	640	480
	WVGA/60	60	31.020	33.75	1088	517	848	480
	SVGA/60	60.317	37.879	40	1056	628	800	600
	SVGA/72	72.188	48.077	50	1040	666	800	600
	SVGA/75	75	46.875	49.5	1056	625	800	600
	XGA/60	60.004	48.363	65	1344	806	1024	768
	XGA/70	70.069	56.476	75	1328	806	1024	768
	XGA/75	75.029	60.023	78.75	1312	800	1024	768
	WXGA/60(1280)	59.87	47.776	79.5	1664	798	1280	768
	WXGA/60(1360)	60.015	47.712	85.5	1792	795	1360	768
	WXGA/60(1366)	60.004	48.363	86.715	1793	806	1366	768
	SXGA/60	60.02	63.981	108	1688	1066	1280	1024
	SXGA+/60 A	60.02	63.981	108	1688	1066	1400	1050
	SXGA+/60 B	60	65.220	122.614	1880	1087	1400	1050
	720p/60	60	45.000	74.25	1650	750	1280	720
	1080p/60	60	67.500	148.5	2200	1125	1920	1080
HDMI	480/60i	59.94	15.734	13.5	858	525	720	483
	576/50i	50	15.625	13.5	864	625	720	576
	480/60p	59.94	31.469	27	858	525	720	483
	576/50p	50	31.25	27	864	625	720	576
	720/60p	59.94/60	44.955/45.0	74.176/ 74.25	1650	750	1280	720
	720/50p	50	37.5	74.25	1980	750	1280	720
	1080/60i	59.94/60	33.716/ 33.75	74.176/ 74.25	2200	1125	1920	1080
	1080/50i	50	28.125	74.25	2640	1125	1920	1080
	1080/60p	59.94/60	67.433/ 67.50	148.352/ 148.5	2200	1125	1920	1080
	1080/50p	50	56.25	148.5	2640	1125	1920	1080
	1080/30p	29.97/30	33.716/ 33.75	74.176/ 74.25	2200	1125	1920	1080
	1080/24p	23.98/24	26.973/27	74.176/ 74.25	2750	1125	1920	1080
	1080/25p	25	28.125	74.25	2640	1125	1920	1080

2.4 TECHNICAL INFORMATION

2.4.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.
Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.4.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications
Screen Size	Diagonal: 105 cm (H: 93.0 cm × V: 52.3 cm)
Aspect ratio	16 : 9
Drive device / system	a-Si-TFT active matrix system
Number of Pixels	Horizontally 1920 × Vertically 1080
Pixel pitch (pixel size)	H: 0.4845 mm, V: 0.4845 mm
Displayed colour	1073.7M colours
Brightness	450 cd/m^2
Contrast ratio	4000 : 1
Response time (G to G)	6.5 ms
View angle	Horizontally: 178°, Vertically: 178°
Surface polarizer	Anti-Glare type Low reflective coat
Colour filter	Vertical stripe
Backlight	Cold cathode fluorescent lamp
Panel interface system	LVDS (Low Voltage Differential Signaling)

2.4.1.2 PIXEL FAULT

There are three pixel faults - bright fault, dark fault and flicker fault - that are respectively defined as follows.

■ **BRIGHT FAULT**

In this pixel fault, a cell that should not light originally is lighting on and off.
For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

■ **DARK FAULT**

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.
For checking this pixel fault, input 100% of each R/G/B color and find out the cell that is not lighting.

■ **FLICKER FAULT**

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.
For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB color and find out the cell that is flashing on and off.

2.4.2 MAIN CPU PIN FUNCTION [IC7301 : DIGITAL PWB]

Pin	Pin name	I/O	Function
1	SDM_D13	I/O	Data for SDRAM
2	SDM_D12	I/O	Data for SDRAM
3	SDM_D11	I/O	Data for SDRAM
4	SDM_D10	I/O	Data for SDRAM
5	SDM_D9	I/O	Data for SDRAM
6	SDM_D8	I/O	Data for SDRAM
7	IVSS	-	GND
8	GEN_D0	I/O	Data for flash memory
9	GEN_D1	I/O	Data for flash memory
10	GEN_D2	I/O	Data for flash memory
11	GEN_D3	I/O	Data for flash memory
12	GEN_D4	I/O	Data for flash memory
13	GEN_D5	I/O	Data for flash memory
14	GEN_D6	I/O	Data for flash memory
15	GEN_D7	I/O	Data for flash memory
16	IVDD	-	+3.3V power supply
17	GEN_D15	I/O	Data for flash memory
18	GEN_D14	I/O	Data for flash memory
19	GEN_D13	I/O	Data for flash memory
20	GEN_D12	I/O	Data for flash memory
21	MVSS	-	GND
22	MVDD	-	+1.5V power supply
23	GEN_D11	I/O	Data for flash memory
24	GEN_D10	I/O	Data for flash memory
25	GEN_D9	I/O	Data for flash memory
26	GEN_D8	I/O	Data for flash memory
27	SDM_DQM0	I	Byte enable for SDRAM
28	SDM_DQM1	I	Byte enable for SDRAM
29	SDM_CLK	I	Clock feedback input for SDRAM
30	IVDD	-	+3.3V power supply
31	SDM_CLK	O	Clock output for SDRAM
32	IVSS	-	GND
33	SDM_CKE	O	Clock enable for SDRAM
34	SDM_WE	O	Write enable for SDRAM
35	SDM_CAS	O	CAS for SDRAM
36	SDM_RAS	O	RAS for SDRAM
37	SDM_CS	O	Chip enable for SDRAM
38	SDM_BS0	O	Bank select for SDRAM
39	SDM_BS1	O	Bank select for SDRAM
40	SDM_A10	O	Address for SDRAM
41	SDM_A11	O	Address for SDRAM
42	SDM_A9	O	Address for SDRAM
43	SDM_A8	O	Address for SDRAM
44	SDM_A7	O	Address for SDRAM
45	SDM_A6	O	Address for SDRAM
46	SDM_A5	O	Address for SDRAM
47	SDM_A4	O	Address for SDRAM
48	IVSS	-	GND
49	IVDD	-	+3.3V power supply
50	SDM_A3	O	Address for SDRAM
51	SDM_A2	O	Address for SDRAM
52	SDM_A1	O	Address for SDRAM
53	SDM_A0	O	Address for SDRAM
54	VSS	-	GND
55	VDD	-	+1.5V power supply
56	TCCS_CEDIA_OUT	O	Serial data transmission for CEDIA/TCCS
57	TCCS_CEDIA_IN	I	Serial data receive for CEDIA/TCCS
58	SYSCLKA	O	Not used
59	SBI1	I	Not used
60	SBO1	O	Not used
61	AMP_MUTE	O	Speaker output muting [Muting = L]
62	SBI0	I	Not used
63	SBO0	O	Not used
64	GEN_A16	O	Address for flash memory
65	GEN_A15	O	Address for flash memory
66	GEN_A14	O	Address for flash memory
67	GEN_A13	O	Address for flash memory
68	GEN_A12	O	Address for flash memory
69	GEN_A11	O	Address for flash memory
70	GEN_A10	O	Address for flash memory
71	GEN_A9	O	Address for flash memory
72	GEN_A8	O	Address for flash memory
73	IVDD	-	+3.3V power supply
74	IVSS	-	GND
75	GEN_A19	O	Address for flash memory
76	GEN_A20	O	Address for flash memory
77	GEN_WE	O	Write enable for flash memory
78	LVDS_RST	O	Reset for LVDS drive (IC5121 IC5141) [Reset = L]
79	GEN_A18	O	Address for flash memory
80	GEN_A17	O	Address for flash memory
81	RTCCNT	I	Oscillation control for RTC [L fixed]
82	GEN_A7	O	Address for flash memory
83	GEN_A6	O	Address for flash memory
84	GEN_A5	O	Address for flash memory
85	IVSS	-	GND
86	LVDS_SEL	O	LVDS select for LCD panel [On = H]
87	BL_DET	I	Detection for LCD backlight [Error = H]
88	IVDD	-	+3.3V power supply
89	GEN_A4	O	Address for flash memory
90	GEN_A3	O	Address for flash memory
91	GEN_A2	O	Address for flash memory
92	GEN_A1	O	Address for flash memory
93	GEN_OE	O	Read enable for flash memory
94	FL_CS	O	Chip select for flash memory
95	GEN_A0	O	Address for flash memory
96	VSS	-	GND
97	NRST	I	CPU reset [Reset = L]
98	VDD	-	+1.5V power supply
99	PSCNT	O	Not used
100	SDA2	I/O	I2C bus (data) for audio amp (IC6001) etc.
101	SCL2	O	I2C bus (clock) for audio amp (IC6001) etc.
102	SDA1	I/O	I2C bus (data) for CAPSENS control (IC7701)
103	SCL1	O	I2C bus (clock) for CAPSENS control (IC7701)
104	NTEST	I	Not used
105	OSD_HD	I	Horizontal sync for OSD
106	IVSS	-	GND
107	OSD_XI	I	Clock for OSD
108	IVDD	-	+3.3V power supply
109	OSD_VD	I	Vertical sync for OSD
110	OSD_YM	O	OSD digital output [YM]
111	OSD_YS	O	OSD digital output [YS]
112	OSD_R4	O	OSD digital output R[4]
113	OSD_R3	O	OSD digital output R[3]
114	OSD_R2	O	OSD digital output R[2]

Pin	Pin name	I/O	Function
115	OSD_R1	O	OSD digital output R[1]
116	WRITE_SW	I	Write/load detection for CEDIA/TCCS [Loader mode = L]
117	OSD_G4	O	OSD digital output G[4]
118	OSD_G3	O	OSD digital output G[3]
119	OSD_G2	O	OSD digital output G[2]
120	OSD_G1	O	OSD digital output G[1]
121	G01	I	Not used
122	GEN_SYSCLKB	O	Clock for local bus
123	OSD_B4	O	OSD digital output B[4]
124	OSD_B3	O	OSD digital output B[3]
125	OSD_B2	O	OSD digital output B[2]
126	OSD_B1	O	OSD digital output B[1]
127	IVSS	-	GND
128	BSW_CTL	O	Not used
129	IVDD	-	+3.3V power supply
130	DPMS_HD	I	Horizontal sync for PC input
131	DPMS_VD	I	Vertical sync for PC input
132	SDA0A	I/O	I2C bus (data) for EEPROM (IC7304)
133	SCL0A	O	I2C bus (clock) for EEPROM (IC7304)
134	VSS	-	GND
135	RTCXI	I	Not used
136	RTCXO	O	Not used
137	VDD	-	+1.5V power supply
138	RMIN	I	Remote control
139	ROMCNT	I	Data bus width select [L fixed]
140	TEST	I	Not used
141	AVSS1	-	GND
142	CVBS0	I	Not used
143	AVDD1	-	+3.3V power supply
144	VREFL0	I	Not used
145	VREFH0	I	Not used
146	VCMO0	I	Not used
147	IREF0	I	Not used
148	VCMO1	I	Not used
149	VREFH1	I	Not used
150	VREFL1	I	Not used
151	CVBS1	I	Not used
152	AVSS2	-	GND
153	AVDD2	-	+3.3V power supply
154	PVDD	-	+3.3V power supply
155	CLL	I	Clamp control [H fixed]
156	CLH	I	Clamp control [L fixed]
157	PVSS	-	GND
158	IVSS	-	GND
159	ADIN0	I	Not used
160	ADIN1	I	Not used
161	LB_PRO	I	Low-B protect detection [Error protection = H]
162	EE	I	E. E. sensor [Bright = H]
163	LCD_FRAME	O	Not used
164	DIN_PHOT	I	For HDMI
165	CEC_IN	I/O	Not used
166	P243	O	Not used
167	IVSS	-	GND
168	OSCXO	O	Oscillation for system clock (10MHz)
169	OSCXI	I	Oscillation for system clock (10MHz)
170	IVDD	-	+3.3V power supply
171	TRCD3	O	Not used

Pin	Pin name	I/O	Function
172	TRCD2	O	Not used
173	TRCD1	O	Not used
174	TRCD0	O	Not used
175	TRCST	O	Not used
176	TRCCLK	O	Not used
177	EXTRG1	I/O	For external programming
178	EXTRG0	I/O	For external programming
179	SDATA	I/O	For external programming
180	SCLOCK	I	For external programming
181	VSS	-	GND
182	VDD	-	+1.5V power supply
183	GEN_MYU_CS	I/O	Chip select for sub CPU
184	EDID_WP	O	For HDMI
185	FTS_KEY1	I	Interrupt detection for CAPSENS control (IC7701) [On = L/H oscillation]
186	AMP_RST	O	Reset for analog devices (IC6001 IC6401) [Reset = L]
187	DAV_RST	O	Not used
188	P105	O	Not used
189	MYU_INTPZ	I	Not used
190	DIN_INT	I	Interrupt detection for HDMI
191	IVDD	-	+3.3V power supply
192	IVSS	-	GND
193	MAIN_POW	O	Power on/off control for main power supply [On = L]
194	LB_POW	O	Not used
195	LCD_POW	O	Power on/off control for LCD panel [On = L]
196	PFC_POW	O	Power on/off control for PFC [On = L]
197	LED_POW	O	Lighting for POWER LED [On = H]
198	P112	O	Not used
199	FTS_XRES	O	Reset for CAPSENS control (IC7701) [Reset = H]
200	BL_ON	O	Lighting for LCD backlight [On = H]
201	IVDD	-	+3.3V power supply
202	IVSS	-	GND
203	MVSS	-	GND
204	MVDD	-	+1.5V power supply
205	SDM_D0	I/O	Data for SDRAM
206	SDM_D1	I/O	Data for SDRAM
207	SDM_D2	I/O	Data for SDRAM
208	SDM_D3	I/O	Data for SDRAM
209	SDM_D4	I/O	Data for SDRAM
210	SDM_D5	I/O	Data for SDRAM
211	SDM_D6	I/O	Data for SDRAM
212	SDM_D7	I/O	Data for SDRAM
213	IVSS	-	GND
214	IVDD	-	+3.3V power supply
215	SDM_D15	I/O	Data for SDRAM
216	SDM_D14	I/O	Data for SDRAM

SECTION 3
DISASSEMBLY

3.1 CAUTION AT DISASSEMBLY

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.
- Be sure to reattach the wire clamps removed during the procedure to the original positions. (Attaching the wire clamps in wrong positions may affect the performance.)

REFERENCE:

When removing each board, remove the connector if necessary. The operation is easier if you write down the connection points (connector numbers) of the connector. For connection of each board, refer to the "WIRING DIAGRAM" of the Standard Circuit Diagram.

3.2 DISASSEMBLY PROCEDURE [SPEAKER ASSY]

3.2.1 REMOVING THE SPEAKER UNIT (Fig.3-1)

(1) Remove the REAR SHEET.
(2) Remove the 4 screw **[A]**.
(3) Remove the SPEAKER UNIT(L/R).

3.2.2 REMOVING THE JOINT BRACKET (Fig.3-1)

(1) Remove the 2 screws **[B]**.
(2) Remove the JOINT BRACKET.

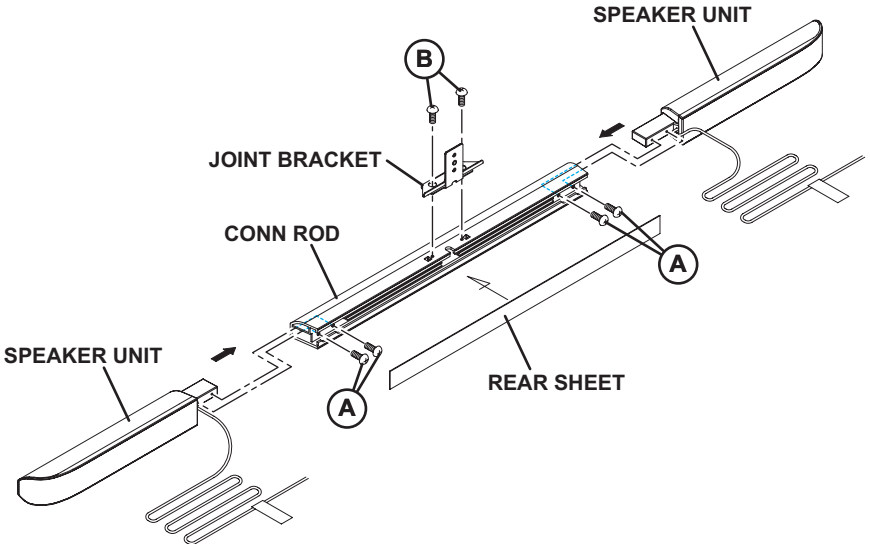


Fig.3-1

3.3 DISASSEMBLY PROCEDURE [MAIN UNIT]

3.3.1 REMOVING THE REAR COVER (Fig.3-2)

(1) Remove the TERMINAL COVER(L/R).
(2) Carefully peel off the TOP SHEET.
(3) Remove the 4 screws **[A]**, 2 screws **[B]**, 1 screw **[C]** and 8 screws **[D]**.
(4) Loosen the 2 screws **[E]** to the same length as the screws **[A]**. (So that the lengths a and b become the same.)
(5) Push in the loose screws **[E]**, then remove the REAR COVERS (L/R) by pulling them up to the direction of the arrows.

NOTE:

- Store the peeled off TOP SHEET avoiding dust adherence.
- Do not use any substitute double-faced tape other than the original one used with the TOP SHEET.

3.3.2 REMOVING THE INVERTER-1 (Fig.3-2)

- Remove the REAR COVER.
  (1) Remove the 5 screw **[F]**.
  (2) Remove the INVERTER-1.

3.3.3 REMOVING THE INVERTER-2 (Fig.3-2)

- Remove the REAR COVER.
  (1) Remove the 12 screw **[G]**.
  (2) Remove the INVERTER-2(L/R).

3.3.4 REMOVING THE AC INLET PWB (Fig.3-2)

- Remove the REAR COVER.
  (1) Remove the 2 screws **[H]**.
  (2) Remove the AC INLET PWB.

3.3.5 REMOVING THE MAIN POWER PWB (Fig.3-2)
- Remove the REAR COVER.
  (1) Remove the 4 screws **[I]**.
  (2) Remove the MAIN POWER PWB.

3.3.6 REMOVING THE PFC POWER PWB (Fig.3-2)
- Remove the REAR COVER.
  (1) Remove the 6 screws **[J]**.
  (2) Remove the PFC POWER PWB.

3.3.7 REMOVING THE SIDE PWB (Fig.3-2)
- Remove the REAR COVER.
  (1) Remove the 6 screws **[K]**.
  (2) Remove the SIDE PWB.

3.3.8 REMOVING THE CAPSENS PWB (Fig.3-2)
- Remove the REAR COVER.
  (1) Carefully peel off the double-faced tape, then remove the CAPSENS PWB.

3.3.9 REMOVING THE STAND (Fig.3-2)
(1) Remove the 1 screw **[L]**.
(2) Remove the STAND by sliding it to the direction of the arrow.

3.3.10 REMOVING THE DIGITAL PWB (Fig.3-2)
- Remove the REAR COVER.
- Remove the STAND.
  (1) Remove the 12 screws **[M]** and 1 screw **[N]**.
  (2) Remove the CENTER FRAME.
  (3) Remove the 1 screw **[P]** and 7 screws **[Q]**.
  (4) Remove the HEAT SINK.
  (5) Remove the DIGITAL PWB.

3.3.11 REMOVING THE T-CON PWB (Fig.3-2)
- Remove the REAR COVER.
- Remove the STAND.
- Remove the CENTER FRAME.
  (1) Remove the 4 screws **[R]**.
  (2) Remove the T-CON SHIELD.
  (3) Remove the T-CON PWB.

3.3.12 REMOVING THE SIGNAL PWB (Fig.3-2)
- Remove the REAR COVER.
- Remove the STAND.
- Remove the CENTER FRAME.
  (1) Remove the 5 screws **[S]**.
  (2) Remove the SIGNAL PWB.

3.3.13 REMOVING THE LED PWB (Fig.3-2)
- Remove the REAR COVER.
- Remove the STAND.
- Remove the CENTER FRAME.
  (1) Remove the 1 screw **[T]**.
  (2) Remove the LED PWB.

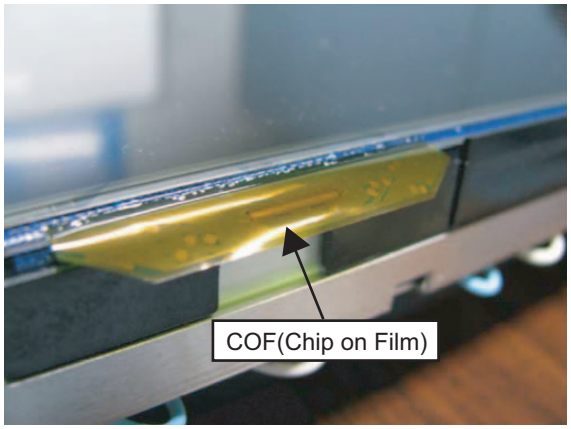
3.3.14 REMOVING THE TERMINAL BASE (Fig.3-2)
- Remove the REAR COVER.
- Remove the STAND.
- Remove the CENTER FRAME.
  (1) Remove the 4 screws **[U]**.
  (2) Remove the TERMINAL BASE.

3.3.15 REMOVING THE FRONT PANEL (Fig.3-2)
- Remove the REAR COVER.
- Remove the STAND.
- Remove the CENTER FRAME.
  (1) Remove the 2 screws **[V]**.
  (2) Remove the SPEAKER BRACKET.
  (3) Remove the 4 screws **[W]** and 5 screws **[X]**.
  (4) Remove the LCD PANEL UNIT.
  (5) Remove the 8 screws **[Y]** and 2 screws **[E]**.
  (6) Remove the SLIDE BRACKET(L/R) from the FRONT PANEL.

NOTE:

When the FRONT PANEL is removed, 6 COFs (Chip on Film) on the LCD MODULE are exposed (Fig.3-2).
If a COF is bent and the wiring/chip is broken, the LCD MODULE cannot be used.
When removing/attaching the FRONT PANEL, following caution is required to avoid damaging the COFs:
- Do not grab the COFs with hands.
- Prevent the COFs from being bumped, scratched, or pinched.

More than one person is required to remove/attach the FRONT PANEL with caution.



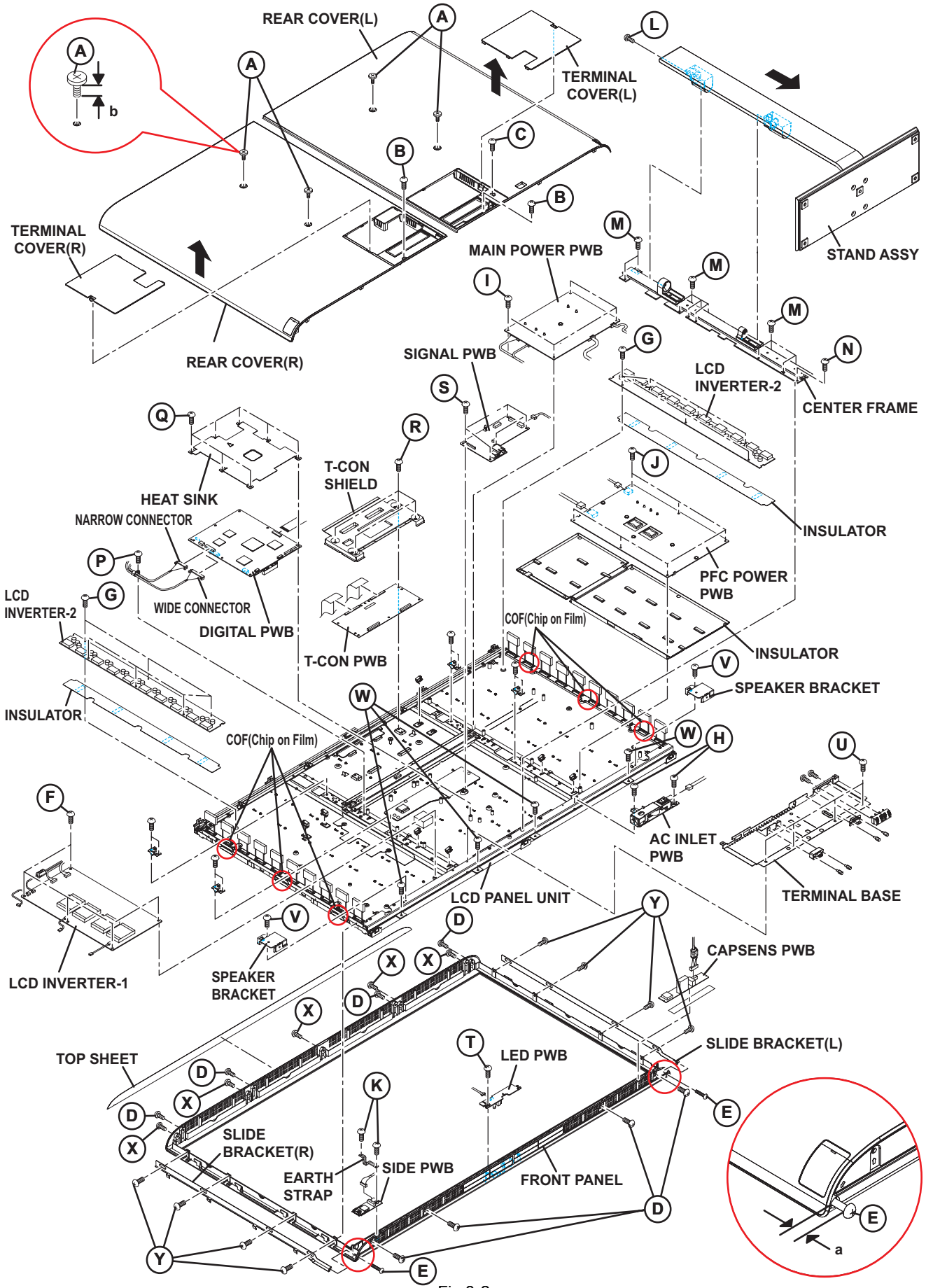

REAR COVER(L)
TERMINAL COVER(L)
TERMINAL COVER(R)
REAR COVER(R)
STAND ASSY
MAIN POWER PWB
SIGNAL PWB
LCD INVERTER-2
CENTER FRAME
HEAT SINK
T-CON SHIELD
NARROW CONNECTOR
WIDE CONNECTOR
DIGITAL PWB
T-CON PWB
INSULATOR
PFC POWER PWB
COF(Chip on Film)
INSULATOR
SPEAKER BRACKET
AC INLET PWB
TERMINAL BASE
LCD PANEL UNIT
CAPSENS PWB
LCD INVERTER-1
SPEAKER BRACKET
TOP SHEET
LED PWB
SLIDE BRACKET(L)
SLIDE BRACKET(R)
EARTH STRAP
SIDE PWB
FRONT PANEL
b
a

Fig.3-2

3.4 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.4.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

3. Power on
Connect the power plug to the AC outlet and switch on the power.

4. User setting
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

5. SERVICE MODE setting
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.3-3). Refer to the SERVICE ADJUSTMENT for setting.

3.4.2 SERVICE MODE SETTING

■SERVICE MODE SCREEN

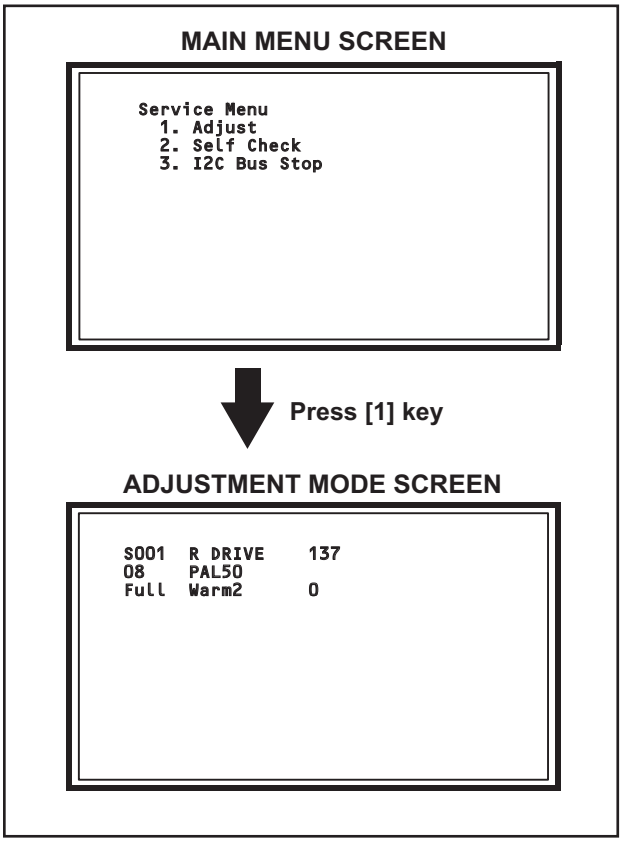


Fig.3-3

■SETTING ITEM

Setting items	Setting	Setting items
White balance setting	Adjust	S001 - S003
Other setting	Fix	S004 - S013

3.4.3 SETTINGS OF FACTORY SHIPMENT

3.4.3.1 PICTURE MENU SETTING

Setting Item		Setting Data					
		Dynamic (Memory2)	Standard (Memory1)	Theater (Memory3)	Monitor (Memory4)	Photo Pro (Memory5)	Game (Memory6)
Tint		0	0	0	0	0	0
Tint Setting	BY Gain	2	2	0	0	0	0
	BY/RY Angle	0	2	4	0	0	0
Color		5	0	0	0	0	0
Contrast		4	0	0	0	0	0
Cotrast Setting	Black Stretch	High	Medium	Low	Off	Off	Off
	Dynamic DC Offset	On	On	On	Off	Off	Off
	Auto Contrast	On	Off	Off	Off	Off	Off
Brightness		0	0	0	0	0	0
Sharpness		10	0	0	-30	0	-15
Enhancer		Mode3	Mode3	Mode4	Mode5	Mode5	Mode5
Enhancer Setting	Detail	0	-5	0	0	-15	0
	H.Sharp	15	10	5	0	-5	0
	V.Sharp	15	10	0	0	0	0
Backlight		30	10	0	0	10	10
Backlight Setting	Smart Picture	Off	On	On	Off	Off	On
	Dynamic Backlight	High	Medium	Low	Off	Off	Off
Color System		Auto	Auto	Auto	Auto	Auto	Auto
Color Matrix		Auto	Auto	Auto	Auto	Auto	Auto
Color Space	PC Monitor Mode=On	sRGB	sRGB	sRGB	sRGB	sRGB	sRGB
	PC Monitor Mode=Off	Auto	Auto	Normal	Normal	sRGB	Auto
Color Temperature		Cool2	Normal	Warm2	Warm2	Warm2	Cool2
White Balance Setting	R Drive	0	0	0	0	0	0
	G Drive	0	0	0	0	0	0
	B Drive	0	0	0	0	0	0
	R Cutoff	0	0	0	0	0	0
	G Cutoff	0	0	0	0	0	0
	B Cutoff	0	0	0	0	0	0
Color Management		Mode1	Mode2	Mode3	Off	Off	Mode2
Color Mngmt. Setting	Red Tint	0	0	0	0	0	0
	Red Color	0	0	0	0	0	0
	Yellow Tint	0	0	0	0	0	0
	Yellow Color	0	0	0	0	0	0
	Green Tint	0	0	0	0	0	0
	Green Color	0	0	0	0	0	0
	Cyan Tint	0	0	0	0	0	0
	Cyan Color	0	0	0	0	0	0
	Skin Tint	0	0	0	0	0	0
	Skin Color	0	0	0	0	0	0
	Color : Bright Area	0	0	0	0	0	0
	Color : Dark Area	0	0	0	0	0	0
Gamma		Mode1	Mode2	Mode4	Mode4	Mode4	Mode3

Setting Item		Setting Data					
		Dynamic (Memory2)	Standard (Memory1)	Theater (Memory3)	Monitor (Memory4)	Photo Pro (Memory5)	Game (Memory6)
Dynamic Gamma		High	Medium	Low	Off	Off	Medium
Noise Reduction	Digital VNR	Auto	Auto	Auto	Off	Auto	Auto
	Mpeg NR	Low	Low	Low	Off	Off	Low
3DY/C		On	On	On	Off	On	On
Natural Cinema		Auto	Auto	Auto	Off	Off	Off
Picture Delay Time		Normal	Normal	Normal	Normal	Normal	Middle
PC Monitor Mode		Off	Off	Off	Off	Off	Off
Smart Sensor		Off	Off	Off	Off	Off	Off
Other	Real Bit Driver	On	On	On	On	On	On
	Clear Motion Drive	On	On	On	On	Off	On

3.4.3.2 SOUND MENU SETTING

Setting Item	Setting Data
Bass	+2
Treble	0
Balance	0
Auto Volume Control	Off
Lip Sync	0
PEQ	On
Turn On Volume	Current
Volume Limit	50

3.4.3.3 SETUP MENU SETTING

Setting Item		Setting Data
Menu Language		It depends on the destination
Front Panel Lock		Off
Auto Shut Off		On
Aspect / Zoom		-
Position Adjustment		Center
Power Indicator		On
Information / Display		On
Input Label		-
4:3 Aspect Setting		Regular
1080 Auto Setting		Full
Input-4Setting		PC
PC Setting	Sampling Mode	STD
	WVGA Select	1280 x 768
	SXGA/SXGA+	SXGA
	H Size	0
	V Size	0
	Dot Clock	0
	Clock Phase	0
	PC Position Adjust	-
	Auto Position Adjustment	-

3.4.3.4 HDMI MENU SETTING

Setting Item	Setting Data
Contro with HDMI	On
One Touch Play	On
Power Off Link	On
AMP Control	Off
Input-1 Audio	AUTO

3.5 REPLACEMENT OF CHIP COMPONENT

3.5.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.5.2 SOLDERING IRON

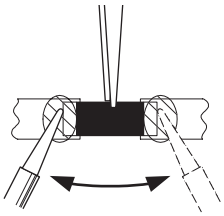
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.5.3 REPLACEMENT STEPS

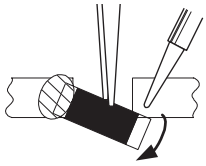
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



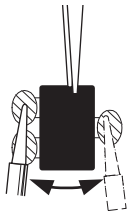
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



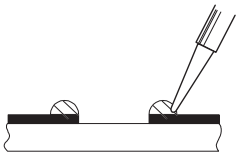
NOTE :

After removing the part, remove remaining solder from the pattern.

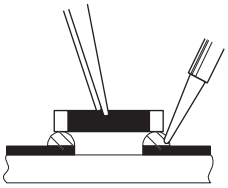
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

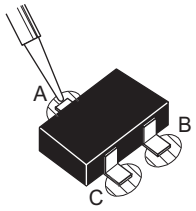


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

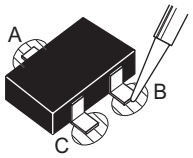


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.

(2) The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

(3) Make sure that connection is correctly made AC to AC power source.

(4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.

(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.

(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings position
Picture Mode	Standard
Smart Picture	Off
Dynamic Backlight	Off
Colour Temp.	Normal
Zoom	Full

4.3 MEASURING INSTRUMENT AND FIXTURES

- Signal generator (Pattern generator)
- Remote control unit

4.4 ADJUSTMENT ITEMS

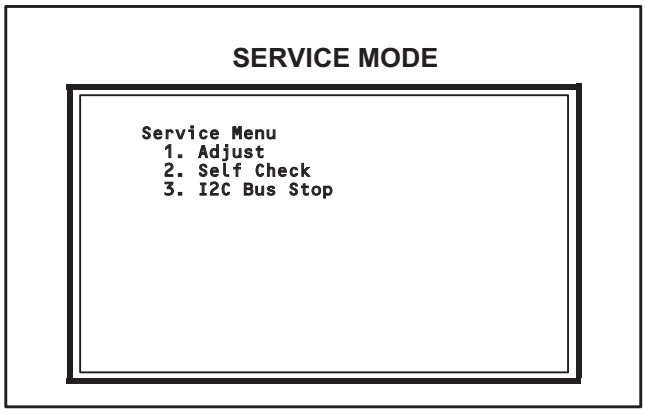
■ VIDEO CIRCUIT

- WHITE BALANCE (HIGH LIGHT) adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

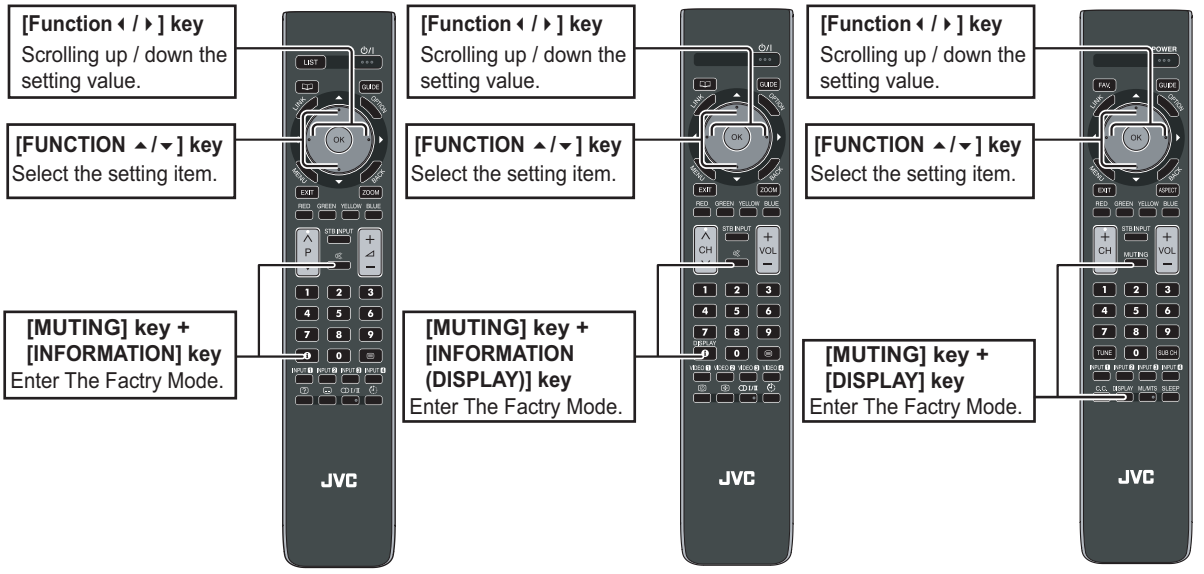
(1) Press **[INFORMATION(DISPLAY)]** key and **[MUTING]** key on the remote control unit simultaneously to enter the SERVICE MODE.



4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[MENU]** key to exit the Service mode.

4.5.3 SERVICE MODE SELECT KEY LOCATION



[LT-42WX70EU/PP]

[LT-42WX70/AUPT]
[LT-42WX70/BPT]
[LT-42WX70/GPT]

[LT-42WX70/APT]
[LT-42WX70/TPT]

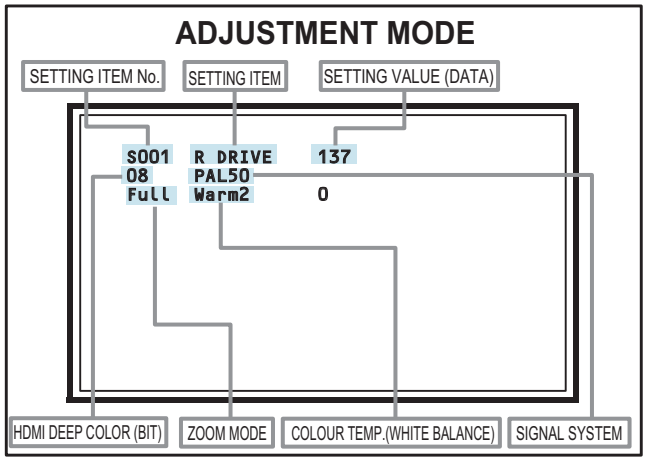
4.5.4 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT.

4.5.4.1 HOW TO ENTER THE ADJUSTMENT MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[1]** key to enter the **ADJUSTMENT MODE**.

4.5.5 DESCRIPTION OF STATUS DISPLAY



(1) SIGNAL SYSTEM

The currently input signal is displayed.

PAL50	: PAL50Hz
PAL60	: PAL60Hz
SECAM	: SECAM
NTSC3	: NTSC3.58
NTSC4	: NTSC4.43
PALM	: PAL M
PALN	: PAL N
A480i	: Analog 480i
A480p	: Analog 480p
A576i	: Analog 576i
A576p	: Analog 576p
A720p50	: Analog 720p 50Hz
A720p60	: Analog 720p 60Hz
A1080i50	: Analog 1080i 50Hz
A1080i60	: Analog 1080i 60Hz
A1080p50	: Analog 1080p 50Hz
A1080p60	: Analog 1080p 60Hz
A1080p24	: Analog 1080p 24Hz
A1080p30	: Analog 1080p 30Hz
H480i	: HDMI 480i
H480p	: HDMI 480p
H576i	: HDMI 576i
H576p	: HDMI 576p
H720p50	: HDMI 720p 50Hz
H720p60	: HDMI 720p 60Hz
H1080i50	: HDMI 1080i 50Hz
H1080i60	: HDMI 1080i 60Hz
H1080p50	: HDMI 1080p 50Hz
H1080p60	: HDMI 1080p 60Hz
H1080p24	: HDMI 1080p 24Hz
H1080p25	: HDMI 1080p 25Hz
H1080p30	: HDMI 1080p 30Hz
HVGA	: HDMI VGA
D480i	: Digital 480i
D480p	: Digital 480p
D576i	: Digital 576i
D576p	: Digital 576p
D720p50	: Digital 720p 50Hz
D1080i50	: Digital 1080i 50Hz
D1080i60	: Digital 1080i 60Hz
D1080p50	: Digital 1080p 50Hz
DVGA	: Digital VGA
DWVGA852*480	: Digital WVGA852*480
DSVGA800*600	: Digital SVGA800*600
DXGA1024*768	: Digital XGA1024*768
DWXGA1280*768	: Digital WXGA1280*768
DWXGA1360*768	: Digital WXGA1360*768
DWXGA1366*768	: Digital WXGA1366*768
DSXGA1280*1024	: Digital SXGA1280*1024
DSXGA+1400*1050A	: Digital SXGA+1400*1050A
DSXGA+1400*1050B	: Digital SXGA+1400*1050B
D720p60	: Digital 720p 60Hz
D1080p60	: Digital 1080p 60Hz
PC98 640*400 56p	: PC98 640*400 56Hz
PCVGA	: PC VGA
PCVGA640*480 72p	: PC VGA 640*480 72Hz
PCVGA640*480 75p	: PC VGA 640*480 75Hz
PCWVGA852*480	: PC WVGA852*480
PCSVGA800*600	: PC SVGA800*600
PCSVGA800*600 72p	: PC SVGA800*600 72Hz
PCSVGA800*600 75p	: PC SVGA800*600 75Hz
PCXGA1024*768	: PC XGA1024*768
PCXGA1024*768 70p	: PC XGA1024*768 70p
PCXGA1024*768 75p	: PC XGA1024*768 75p
PCWXGA1280*768	: PC WXGA1280*768
PCWXGA1360*768	: PC WXGA1360*768
PCWXGA1366*768	: PC WXGA1366*768
PCSXGA1280*1024	: PC SXGA1280*1024
PCSXGA+1400*1050A	: PC SXGA+1400*1050A
PCSXGA+1400*1050B	: PC SXGA+1400*1050B
PC720p60	: PC 720p 60Hz
PC1080p60	: PC 1080p 60Hz
HDMI NG	: -
YPbPr NG	: -
PC NG	: -

(2) SCREEN MODE

The currently selected ZOOM/ASPECT is displayed.

Full	: Full
Pano	: Panorama, Panorama zoom
16 : 9	: 16:9 zoom
16 : 9S	: 16:9 zoom subtitle
Slim	: Regular, Slim
14 : 9	: 14:9 zoom
FullN	: Full Native
Just	: Just
1 : 1	: 1 : 1

(3) WHITE BALANCE

The currently selected WHITE BALANCE is displayed.

COOL1	: COOL1
COOL2	: COOL2
NORMAL	: NORMAL
WARM1	: WARM1
WARM2	: WARM2

(4) HDMI DEEP COLOR (BIT)

The HDMI input DEEP COLOR is displayed.

08	: 8 bit
10	: 10 bit
12	: 12 bit

(5) SETTING ITEM NAME

The setting item name is displayed. The setting item numbers to be displayed are listed below.

Setting items	Settings	Item No.
Video system setting	Adjust	S001 - S003
	Fix	S004 - S012

(6) SETTING ITEM NO.

The setting item number is displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

(7) SETTING VALUE (DATA)

The setting value is displayed.

4.5.6 CHANGE AND MEMORY OF SETTING VALUE

■ **SELECTION OF SETTING ITEM**

- **[FUNCTION ▲/▼]** key.
  For scrolling up / down the setting items.

■ **CHANGE OF SETTING VALUE (DATA)**

- **[FUNCTION ◀ / ▶]** key.
  For scrolling up / down the setting values.

■ **MEMORY OF SETTING VALUE (DATA)**

Changed setting value is memorized by pressing **[MUTING]** key.

4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Display	Variable range	Setting value
S001	R DRIVE	0 - 255	137
S002	G DRIVE	0 - 255	137
S003	B DRIVE	0 - 255	137
S004	PATTERN	0 - 0F	---
S005	Y 11:8	0 - 0F	---
S006	Y 7:0	0 - FF	---
S007	Pb 11:8	0 - 0F	---

Item No.	Display	Variable range	Setting value
S008	Pb 7:0	0 - FF	---
S009	Pr 11:8	0 - 0F	---
S010	Pr 7:0	0 - FF	---
S011	CH TIME	0 - 255	---
S012	LANGUAGE	0 - 31	---
S013	JP	0 - 255	---

4.7 ADJUSTMENT PROCEDURE

4.7.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S001: R DRIVE (Red drive) S002: G DRIVE (Green drive) S003: B DRIVE (Blue drive)	(1) Input a 75% all white signal from HDMI terminal. (2) Load does Preset of **"Standard"** with Load Preset in the Picture setting Menu. (3) Set ZOOM(ASPECT) to "**Full**". (4) Select "**1.ADJUST**" from the SERVICE MODE. (5) Adjust to Keep one of **<S001>**, **<S002>** or **<S003>** unchanged, then lower the other two so that the all-white screen is equally white throughout. **NOTE:** Set one or more of **<S001>**, **<S002>**, and **<S003>** to "**137**". (6) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (7) Press the **[MUTING]** key to memorize the set value. **NOTE:** Separate information will be given for accurate adjustments (gamma adjustment, tracking adjustment) as they require special jig and software.

SECTION 5
TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure.Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I^2C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

(1) Press **[INFORMATION(DISPLAY)]** key and **[MUTING]** key on the remote control unit simultaneously to enter the SERVICE MODE.
(2) Press the **[2]** key SELF CHECK MODE.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

To Save Failure History:
Turn off the power by unplugging the AC power cord plug when in the Self check display mode.
To Clear (Reset) Failure History:
Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and counted.
(1) Temporary defective transmissions across circuits due to pulse interruptions.
(2) Misalignment in the on/off timing of power for I^2C bus (Vcc) when turning on/off the main power.

Therefore, turn on the main power, and then wait for about 3 seconds before starting Self check.
If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis results.

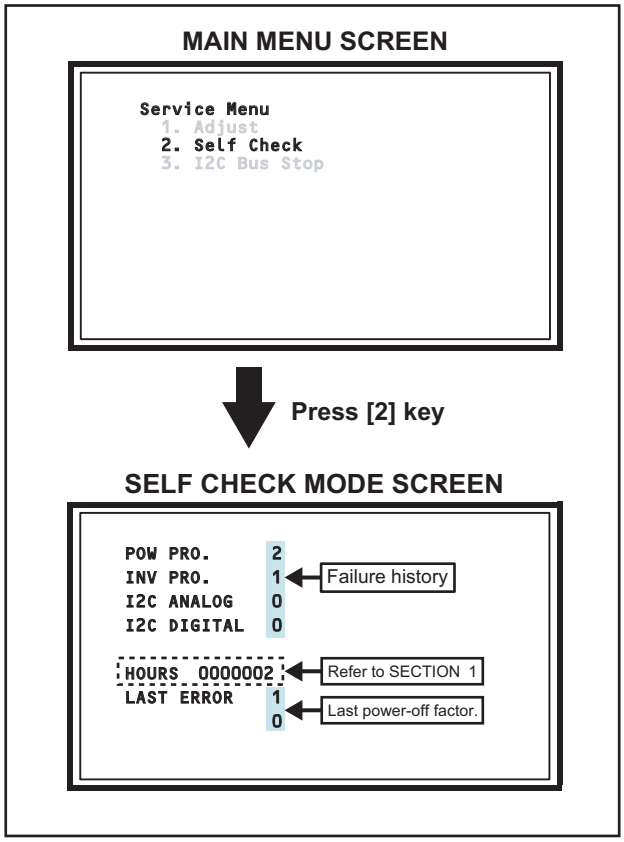


Fig.5-1

5.1.6 DETAILS

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	POW PRO.	Confirm the operation of the low bias protection circuit.	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 200 ms the power is turned off.
Panel error detect	INV PRO.	Abnormality and connector omission of inverter substrate.	BL_DET	It puts into the state of the standby when BL_DET is HIGH after about 3sec after BL_ON becomes HIGH, and LED is blinked. (It restores it in power-off/on.)
Devices on the ANALOG PWB	I2C ANALOG	Confirmation of reply of ACK signal which uses I^2C communication.	SDA	Detection starts 3 seconds after the power is turned on. If it checks whenever I^2C communication is performed and no reply of ACK signal an error will be counted.
Devices on the DIGITAL PWB	I2C DIGITAL			
Use time of LCD panel lamp.	HOURS	The LCD panel use time is counted.	BL_ON	It is displayed by the decimal number on an hour basis. (Refer to SECTION 1: HOW TO CHECK THE OPERATING TIME)
Last power off situation	LAST ERROR	Display the factor that the power supply is turned off by the figure.	---	0: Normal 1: Low bias line short protection 9: Panel error detect

5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

Type of error	POWER LED flash cycle
Low bias line short protection	POWER LED turnig on and off at 1 sec intervals.
Panel error detect	POWER LED turnig on and off at 300msec intervals.

<Explanation of operation>

If error is detected, the power is turned off.
Shortly after a power is turned off, POWER LED will be blinked.
Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.

JVC

Victor Company of Japan, Limited
Display Division 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA700<Rev.001>)

Printed in Japan
VSE

JVC

SCHEMATIC DIAGRAMS

LCD MONITOR

LT-42WX70/APT, LT-42WX70/AUPT, LT-42WX70/BPT, LT-42WX70/GPT, LT-42WX70/TPT, LT-42WX70EU/PP

DVD-ROM No.SML2009Q1

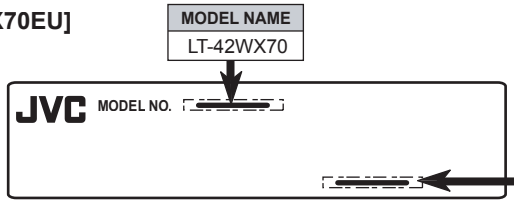
BASIC CHASSIS
MX7

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

[RM-C2400] [RM-C2410] [RM-C2420]

LT-42WX70 series only [Except LT-42WX70EU]

There may be multiple versions of this TV model.
The TV version is identified by the letters next to the model number on the TV's Rating.(See illustration).
Use the service manual that matches the version of the TV.



RATING LABEL (REAR)

LABEL indication	SERVICE MODEL NAME
LT42WX70APT	LT-42WX70/APT
LT42WX70UPT	**LT-42WX70/AUPT**
LT42WX70BPT	LT-42WX70/BPT
LT42WX70TPT	LT-42WX70/TPT
LT42WX70GTP	LT-42WX70/GTP

No.YA700<Rev.001>
2009/6

LT-42WX70/APT, LT-42WX70/AUPT, LT-42WX70/BPT, LT-42WX70/GPT, LT-42WX70/TPT, LT-42WX70EU/PP

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20µs / div
	: V ⇒ 5ms / div
	: Othters ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [µF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

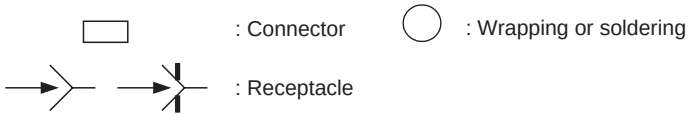
No unit	: [µH]
Others	: As specified

(4)Power Supply

∗ Respective voltage values are indicated

(5)Test point

(6)Connecting method



(7)Ground symbol

⊥ : LIVE side ground

⏚ : ISOLATED(NEUTRAL) side ground

⏚ : EARTH ground

▽ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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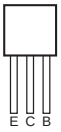
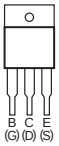
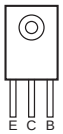
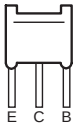
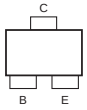
USING P.W. BOARD

P.W.B ASS'Y name	LT-42WX70/APT	LT-42WX70/AUPT	LT-42WX70/BPT
SIGNAL P.W. BOARD	SMX-1001A	←	←
SIDE P.W. BOARD	SMX-7001A	←	←
CAPSENS P.W. BOARD	SMX-7701A	←	←
LED P.W. BOARD	SMX-8701A	←	←
MAIN POWER P.W. BOARD	SMX-9001A	←	←
PFC POWER P.W. BOARD	SMX-9501A	←	←
AC INLET P.W. BOARD	SMX-9801A	←	←
DIGITAL P.W. BOARD	SMX-0D001A	←	←

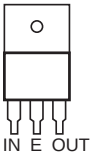
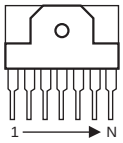
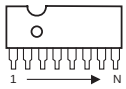
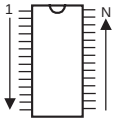
P.W.B ASS'Y name	LT-42WX70/GPT	LT-42WX70/TPT	LT-42WX70EU/PP
SIGNAL P.W. BOARD	SMX-1001A	←	←
SIDE P.W. BOARD	SMX-7001A	←	←
CAPSENS P.W. BOARD	SMX-7701A	←	←
LED P.W. BOARD	SMX-8701A	←	←
MAIN POWER P.W. BOARD	SMX-9001A	←	←
PFC POWER P.W. BOARD	SMX-9501A	←	←
AC INLET P.W. BOARD	SMX-9801A	←	←
DIGITAL P.W. BOARD	SMX-0D001A	←	←

SEMICONDUCTOR SHAPES

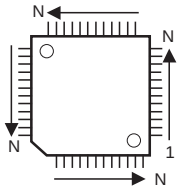
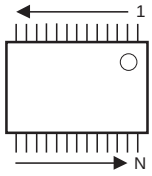
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

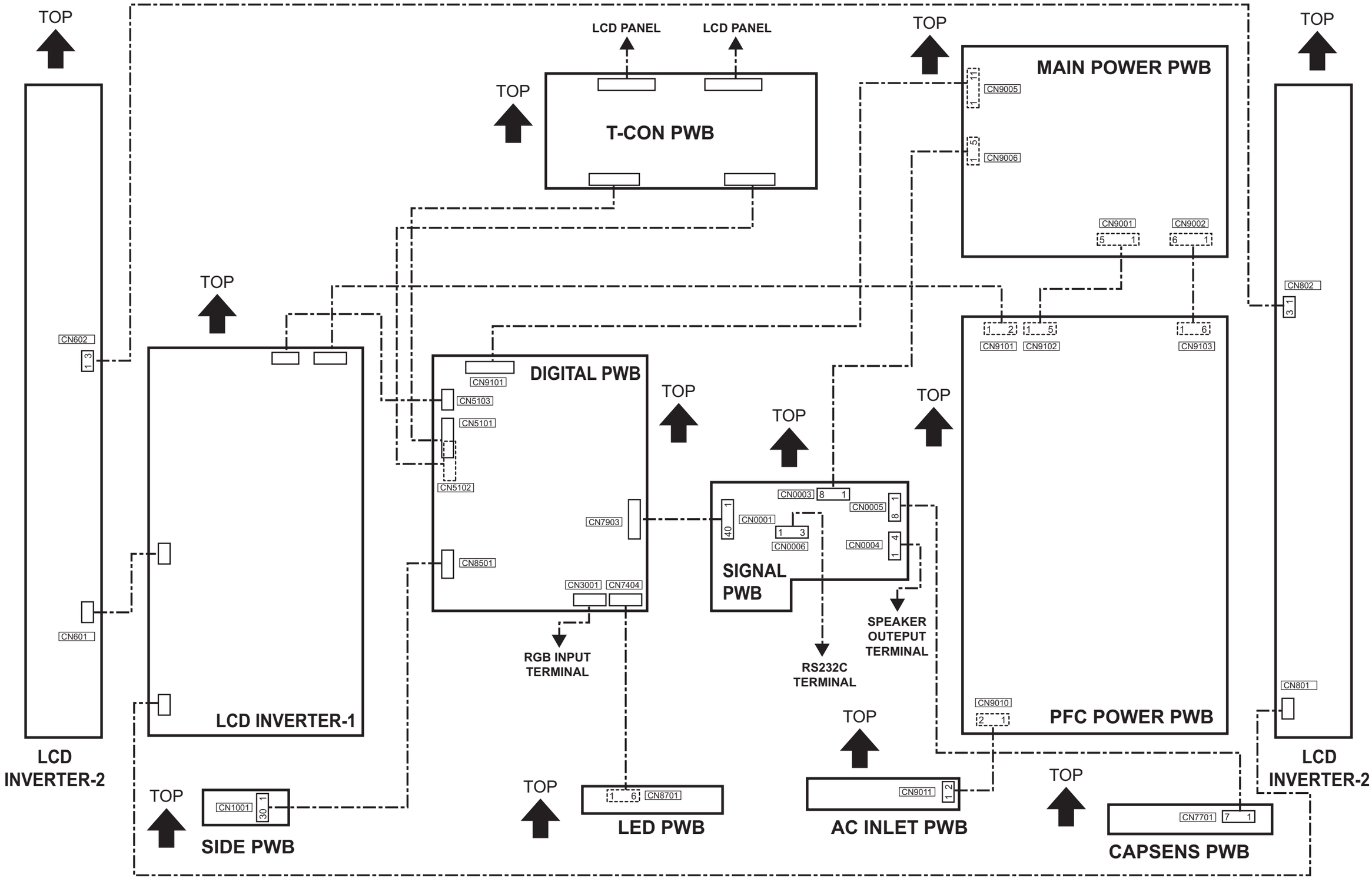
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

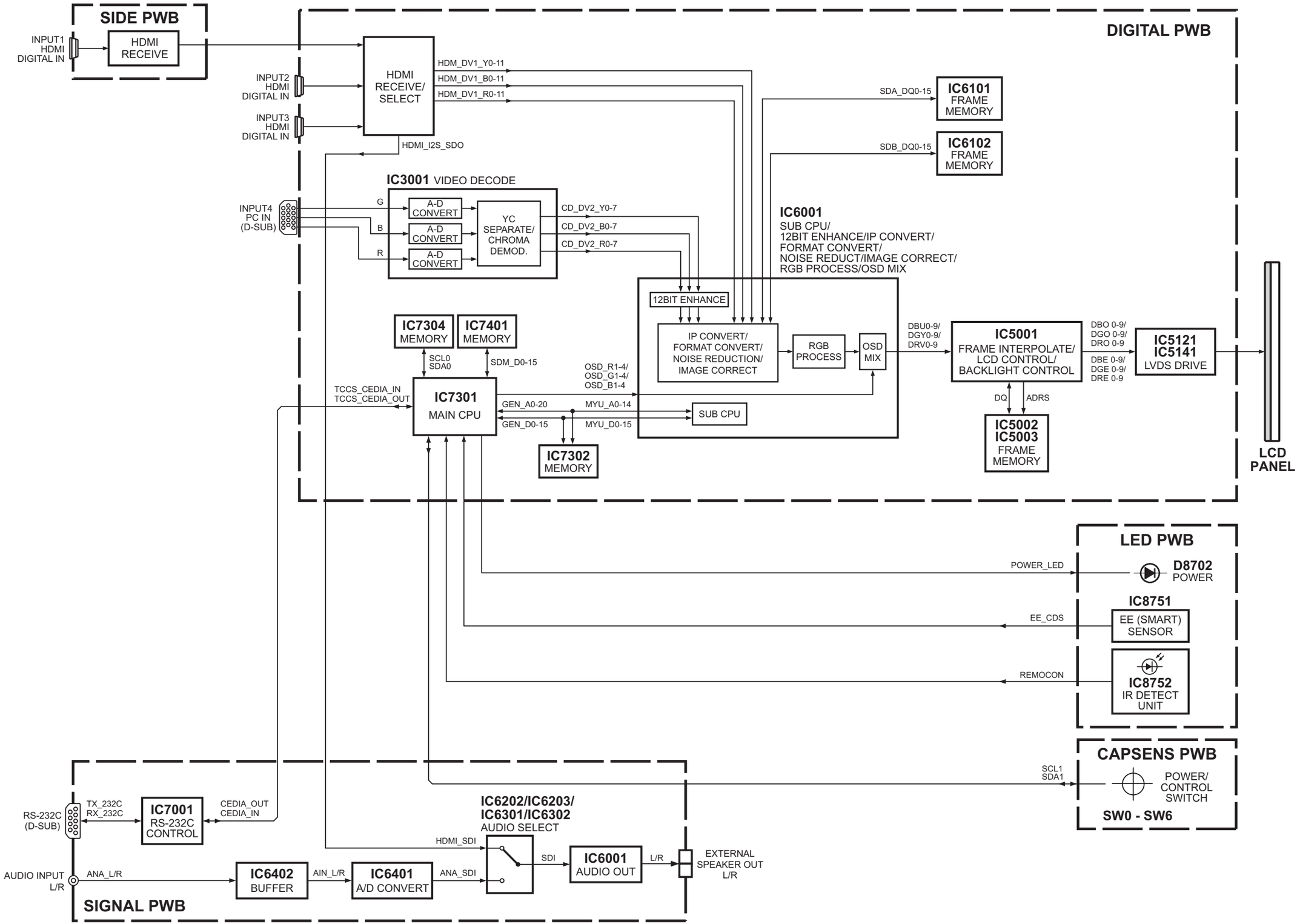
CHIP IC

TOP VIEW		
		

WIRING DIAGRAM

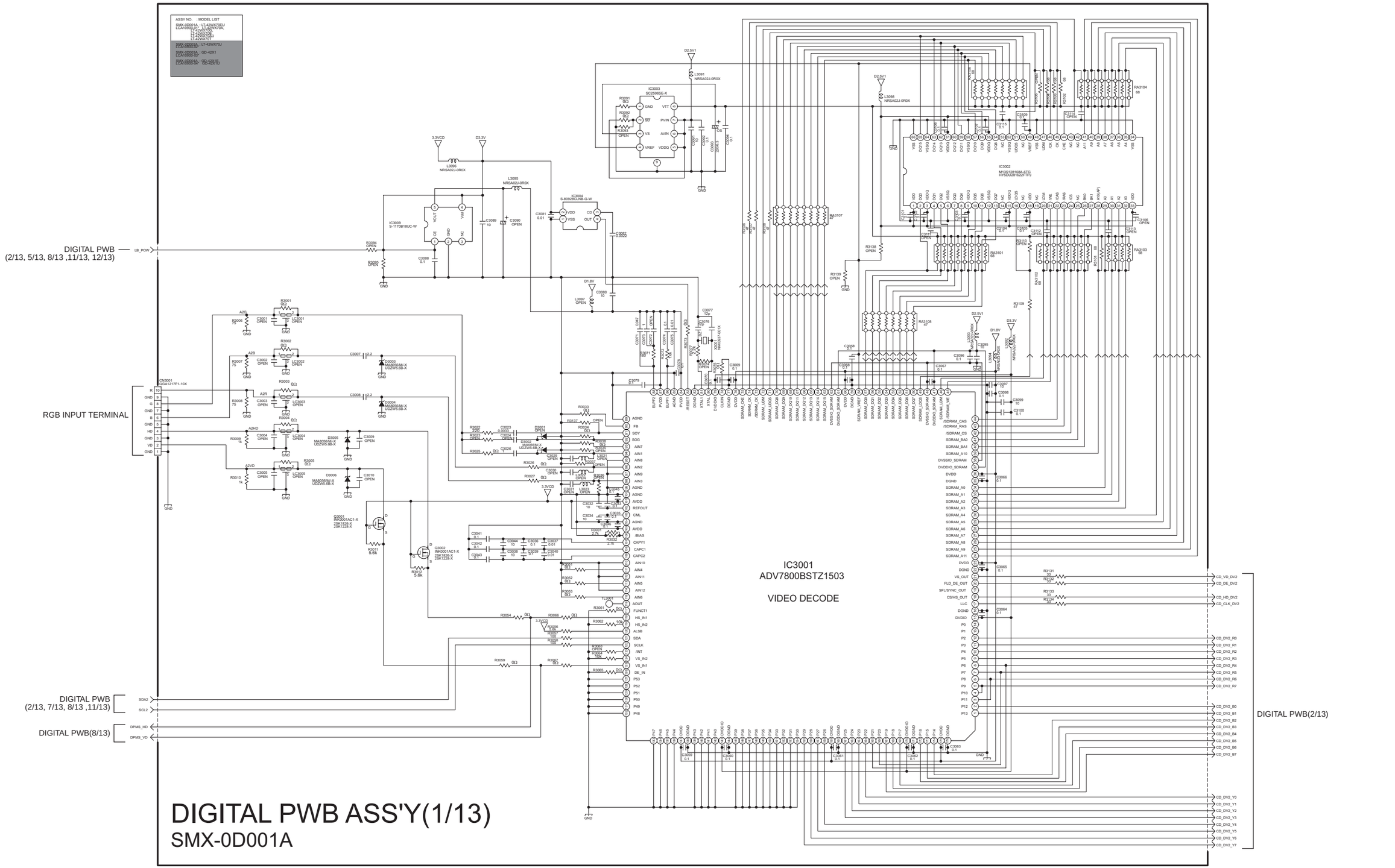


BLOCK DIAGRAM



CIRCUIT DIAGRAMS

DIGITAL PWB CIRCUIT DIAGRAM (1/13)



DIGITAL PWB ASS'Y(1/13)

SMX-0D001A

c10616001a001_0331_1/15_0.0

DIGITAL PWB ASS'Y(2/13)
SMX-0D001A

ASSY NO.	MODEL LIST
SMX-0D001A LCA10902-02V	LT-42W07BU LT-42W07BK LT-42W07BW LT-42W07BP LT-42W07BY
SMX-0D002A LCA10902-02	LT-42W07U
SMX-0D003A LCA10902-02Y	GD-42X1
SMX-0D004A LCA10902-02K	GD-42X1E GD-42X1U

DIGITAL INPUT BLOCK

IC6001
JCC5071

SUB CPU/
12BIT ENHANCE/
IP CONVERT/
FORMAT CONVERT/
NOISE REDUCT/
IMAGE CORRECT/
RGB PROCESS/
OSD MIX

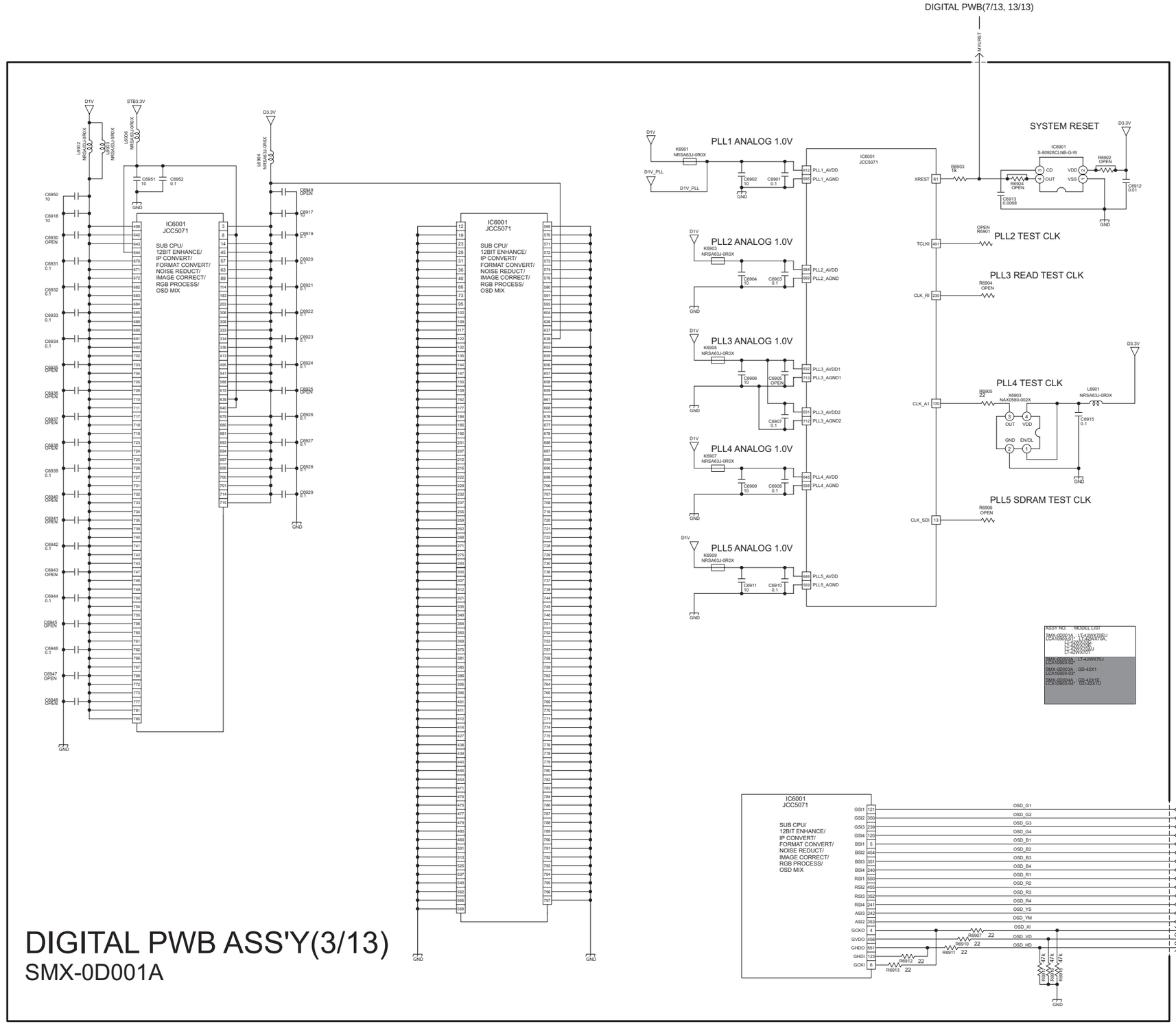
FROM/TO CARD VIEWER
CN6701

OPEN

DIGITAL PWB(8/13)

DIGITAL PWB
(1/13, 5/13, 8/13, 11/13, 12/13)

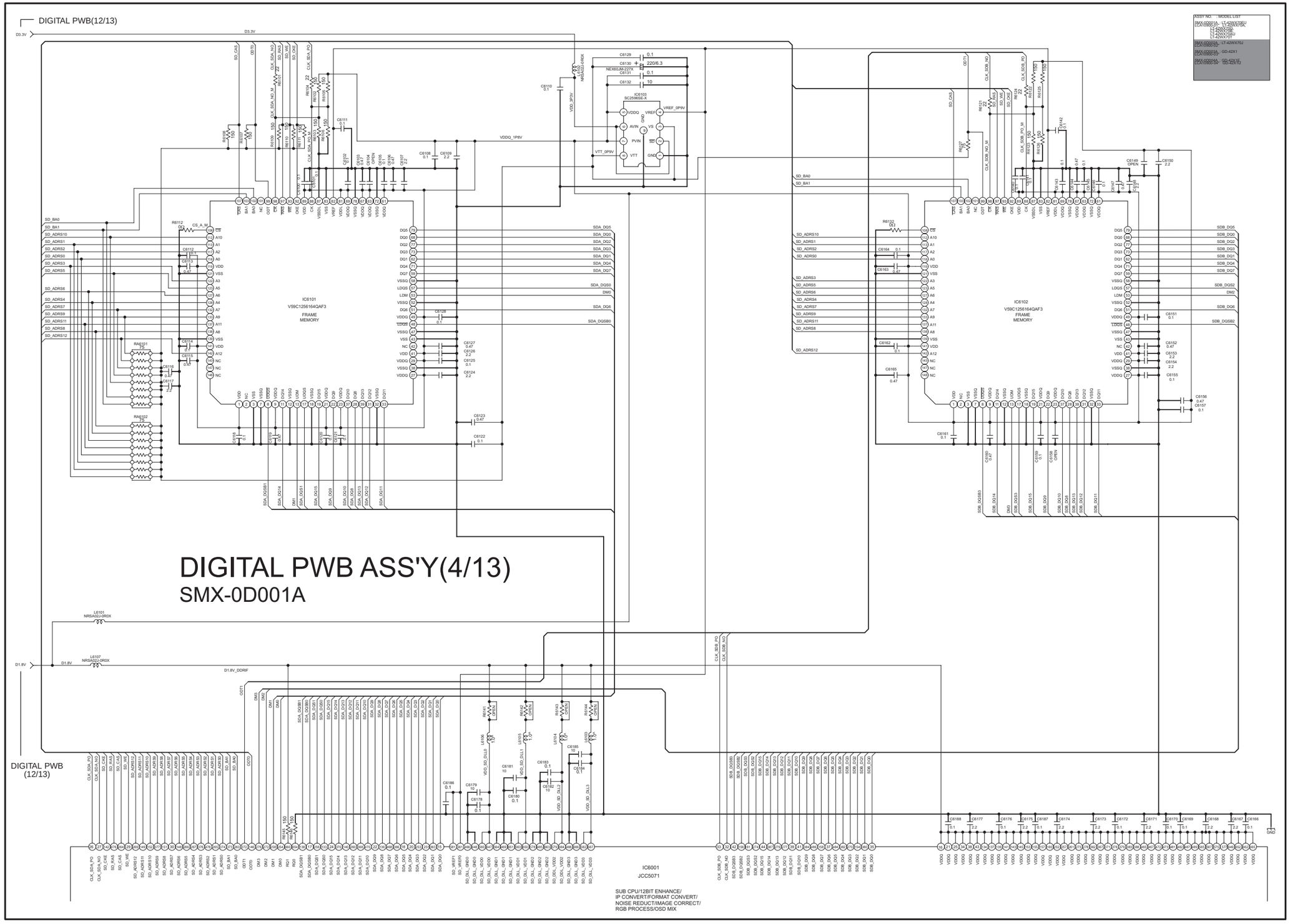
DIGITAL PWB(11/13)



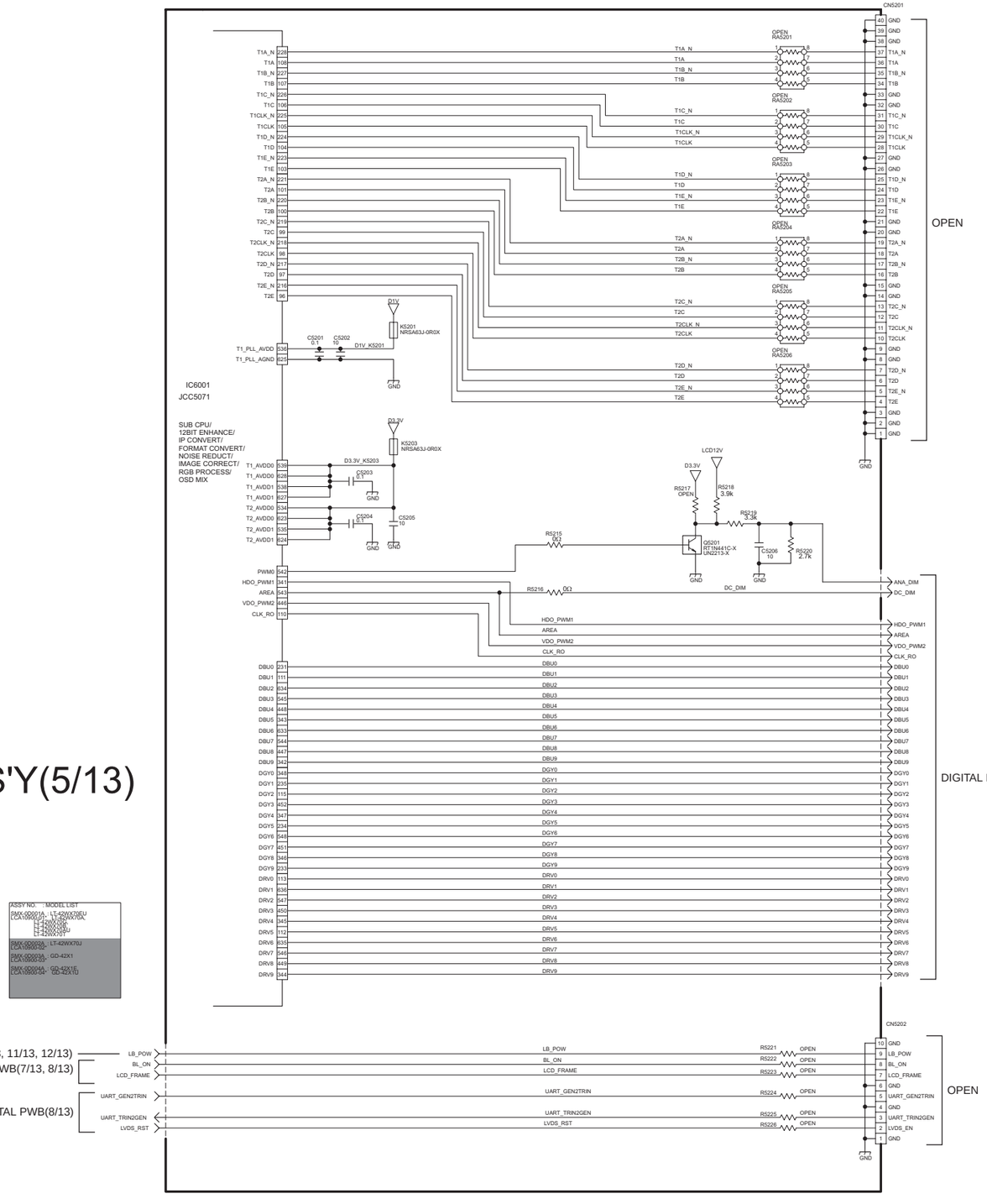
DIGITAL PWB ASS'Y(3/13)
SMX-0D001A

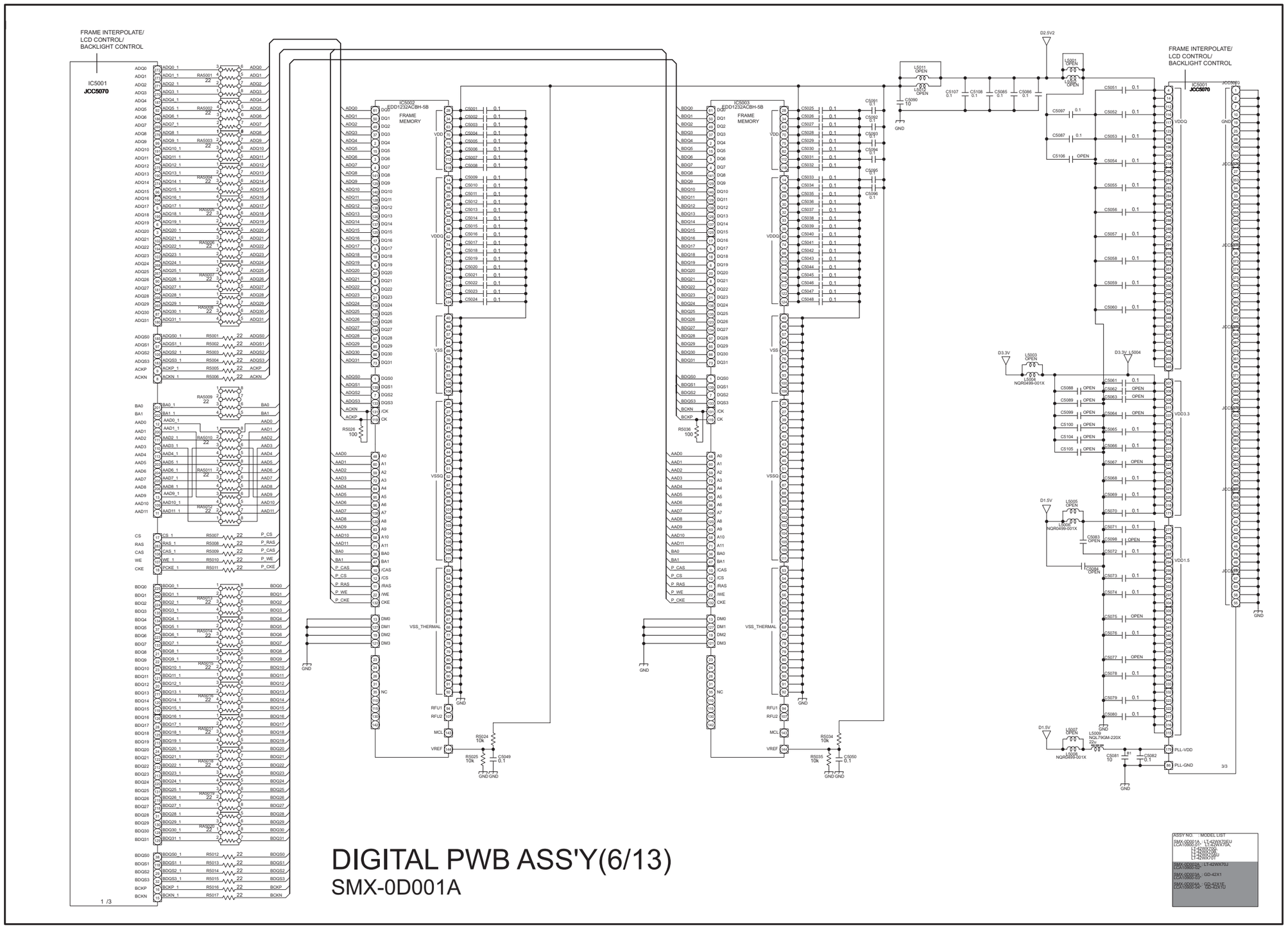
c10616001a005_0331_5/15_0.0

DIGITAL PWB CIRCUIT DIAGRAM (4/13)



DIGITAL PWB ASS'Y(5/13)
SMX-0D001A

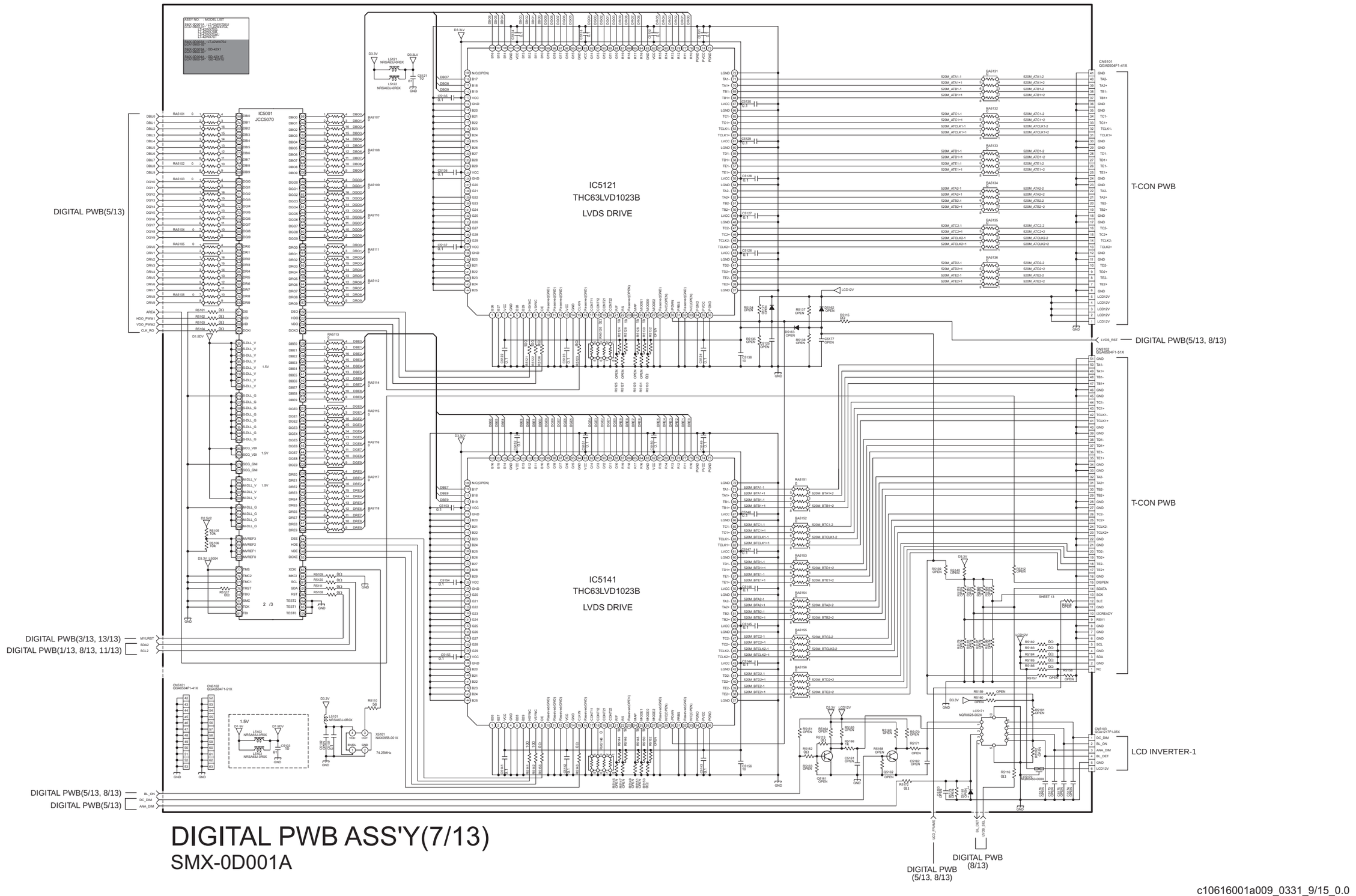




DIGITAL PWB ASS'Y(6/13)

SMX-0D001A

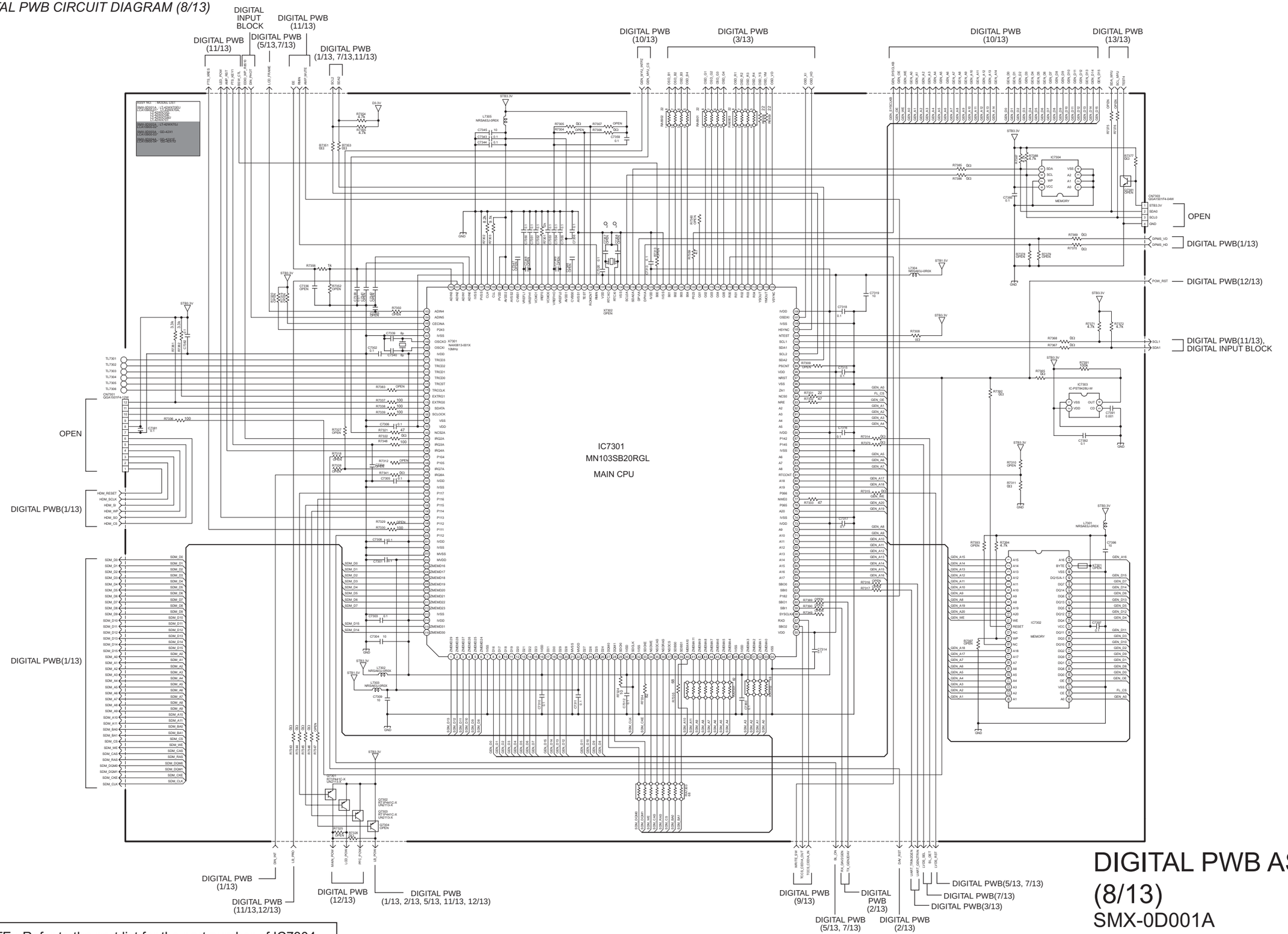
ASSY NO. : MODEL LIST
SMX-0D001A : LT-42WX70EU
LCA10902-01 LT-42WX70U
LT-42WX70U
LT-42WX70P
SMX-0D001A : LT-42WX70J
LCA10902-02
SMX-0D001A : GD-42X1
LCA10902-03
SMX-0D001A : GD-42X1E
LCA10902-04 GD-42X1D



DIGITAL PWB ASS'Y(7/13)

SMX-0D001A

DIGITAL PWB CIRCUIT DIAGRAM (8/13)



NOTE : Refer to the part list for the part number of IC7304.

DIGITAL PWB ASS'Y (8/13)

SMX-0D001A

c10616001a010_0331_10/15_0.0

DIGITAL PWB ASS'Y(9/13)
SMX-0D001A

ASSY NO. : MODEL LIST
SMX-0D001A : LT-42WX70EU
LCA10600101- LT-42WX70A,
LT-42WX70E
LT-42WX70S
LT-42WX70U
LT-42WX70T
SMX-0D002A : LT-42WX70J
LCA10600102-
SMX-0D003A : GD-42X1
LCA10600103-
SMX-0D004A : GD-42X1E
LCA10600104- GD-42X1U

DIGITAL PWB(8/13)

SDM_D0 SDM_D1 SDM_D2 SDM_D3 SDM_D4 SDM_D5 SDM_D6 SDM_D7 SDM_D8 SDM_D9 SDM_D10 SDM_D11 SDM_D12 SDM_D13 SDM_D14 SDM_D15
SDM_A0 SDM_A1 SDM_A2 SDM_A3 SDM_A4 SDM_A5 SDM_A6 SDM_A7 SDM_A8 SDM_A9 SDM_A10 SDM_A11
SDM_BA0 SDM_BA1 SDM_CS SDM_WE SDM_CAS SDM_RAS SDM_DQM0 SDM_DQM1 SDM_CKE SDM_CLK

STB3.3V
L7401 NRSA63J-0R0X
C7408 10 GND

IC7401 HY57V641620FTPH K4S641632K-UC75 MEMORY

VDD		VSS	
DQ0		DQ15	
VDDQ		VSSQ	
DQ1		DQ14	
DQ2		DQ13	
VSSQ		VDDQ	
DQ3		DQ12	
DQ4		DQ11	
VDDQ		VSSQ	
DQ5		DQ10	
DQ6		DQ9	
VSSQ		VDDQ	
DQ7		DQ8	
VDD		VSS	
LDQM		NC	
WE		UDQM	
CAS		CLK	
RAS		CKE	
CS		NC	
BA0		A11	
BA1		A9	
A10		A8	
A0		A7	
A1		A6	
A2		A5	
A3		A4	
VDD		VSS	

C7401 0.1
C7402 0.1
C7403 0.1
C7404 0.1
C7405 0.1
C7406 0.1
C7407 0.1
GND

RA7401 68
RA7402 82
R7401 68
R7402 OPEN
R7403 OPEN

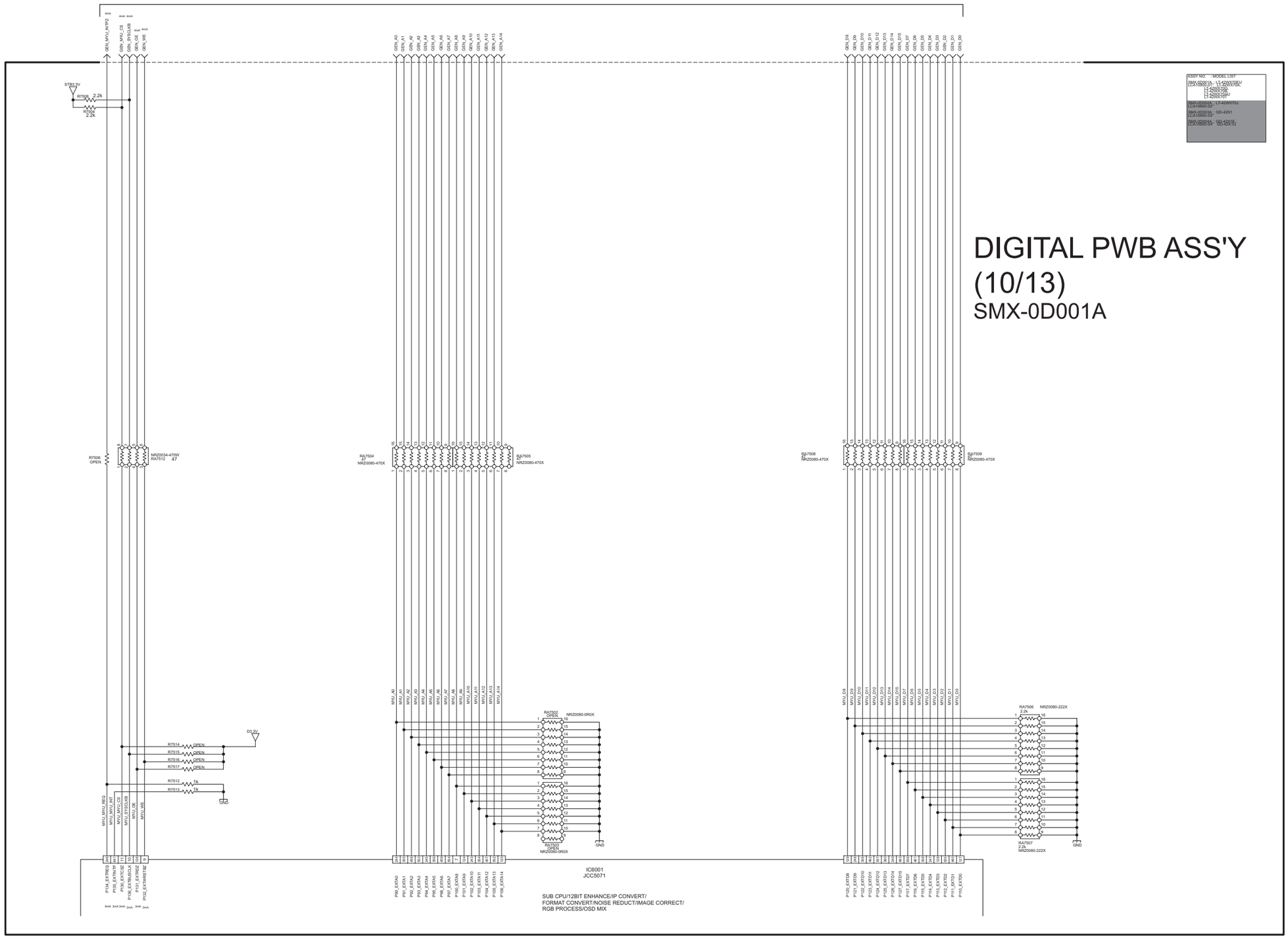
STB3.3V
R7446 OPEN
R7445 0Ω
R7441 22
R7439 47
R7447 47k
R7448 47k
R7449 10k

CEDIA_IN
CEDIA_OUT
TCCS_SW
DIGITAL PWB(11/13)
WRITE_SW
TCCS_CEDIA_IN
TCCS_CEDIA_OUT
DIGITAL PWB(8/13)

CN7401 QGA1501F4-06W
STB3.3V TCCS_TX TCCS_RX DGND NC WRITE_SW GND

c10616001a011_0331_11/15_0.0

DIGITAL PWB(8/13)



DIGITAL PWB ASS'Y(11/13)

SMX-0D001A

DIGITAL PWB(8/13)

DIGITAL PWB (9/13)

DIGITAL INPUT BLOCK

DIGITAL PWB (2/13)

DIGITAL PWB (8/13, 12/13)

DIGITAL PWB (1/13, 7/13, 8/13)

DIGITAL PWB (1/13, 2/13, 5/13, 8/13, 12/13)

DIGITAL PWB (8/13)

DIGITAL PWB (8/13)

DIGITAL PWB(8/13), DIGITAL INPUT BLOCK

DIGITAL PWB (8/13, 12/13)

ASSY NO.	MODEL LIST
SMX-0D001A, LCA10900-01	LT-42WX70EU LT-42WX70A, LT-42WX70B, LT-42WX70AU LT-42WX70T
SMX-0D002A, LCA10900-02	LT-42WX70J
SMX-0D003A, LCA10900-03	GD-42X1
SMX-0D004A, LCA10900-04	GD-42X1E, GD-42X1U

LED PWB
CN8701

SIGNAL PWB(1/2)
CN0001

DIGITAL PWB ASS'Y(12/13)
SMX-0D001A

MAIN POWER PWB
CN9005

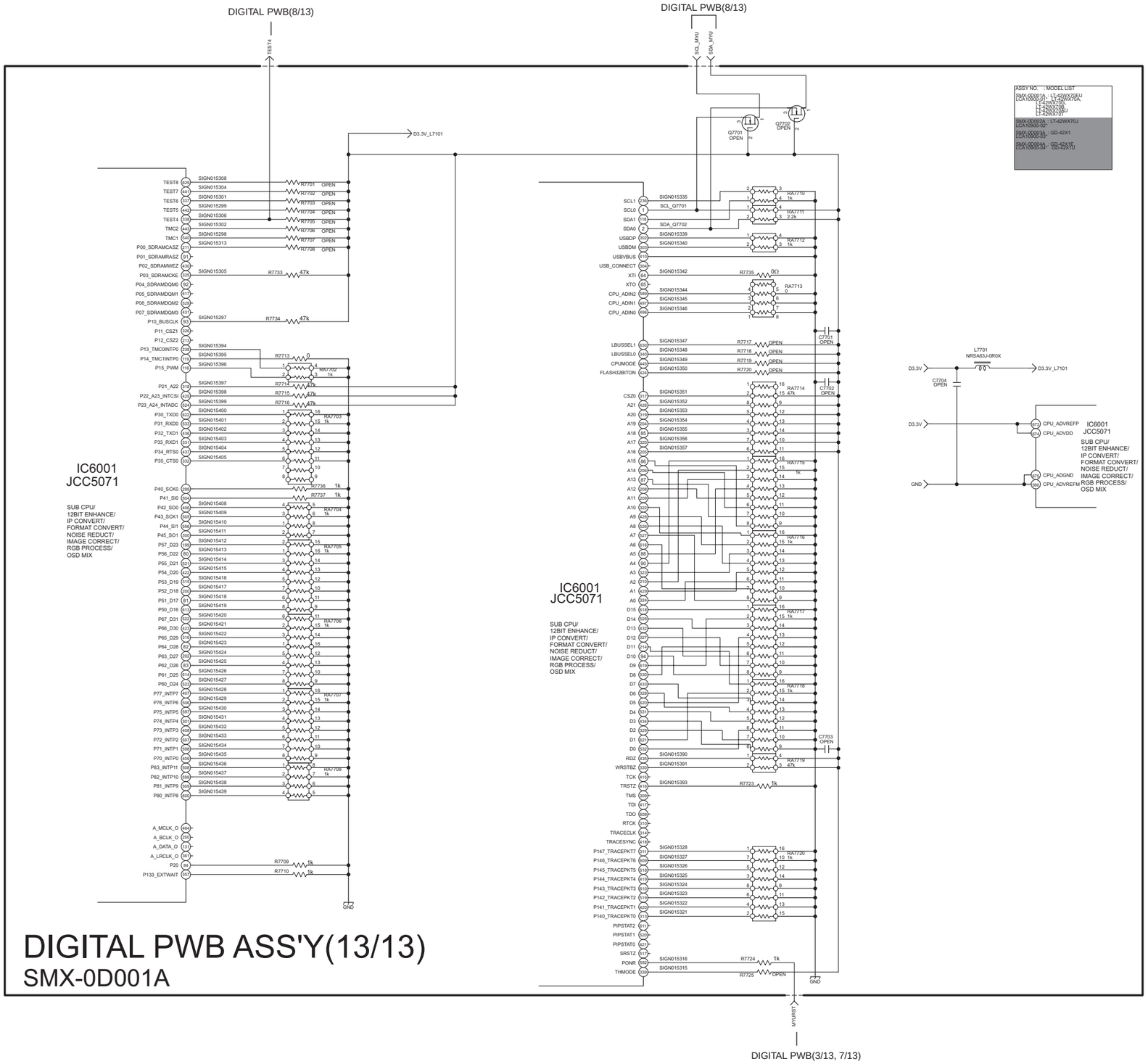
DIGITAL PWB
(1/13, 2/13, 5/13, 8/13, 12/13)

DIGITAL PWB
(1/13, 2/13, 5/13, 8/13, 11/13, 12/13)

DIGITAL PWB(8/13)

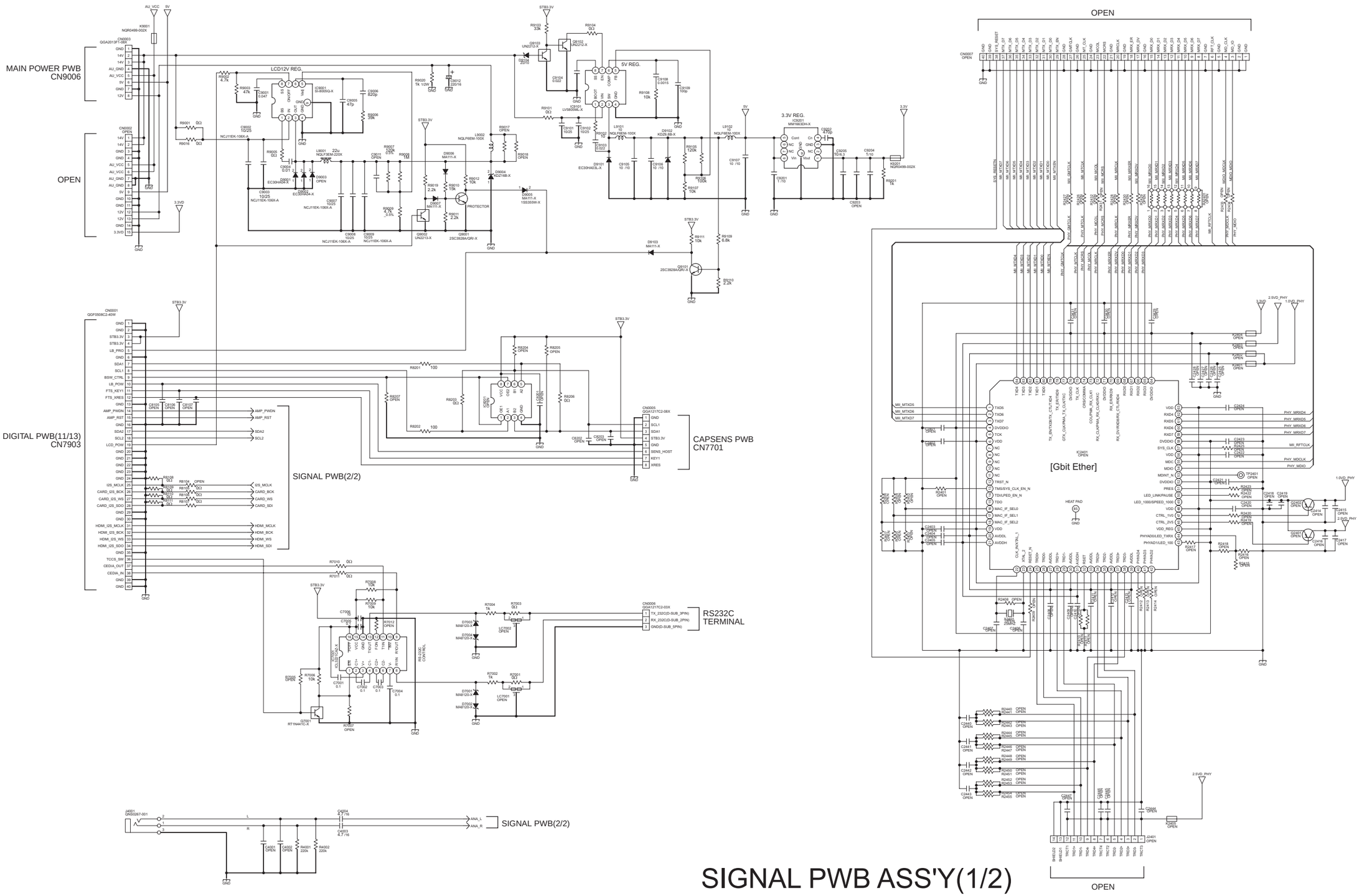
DIGITAL PWB(4/13)

DIGITAL PWB
(4/13)

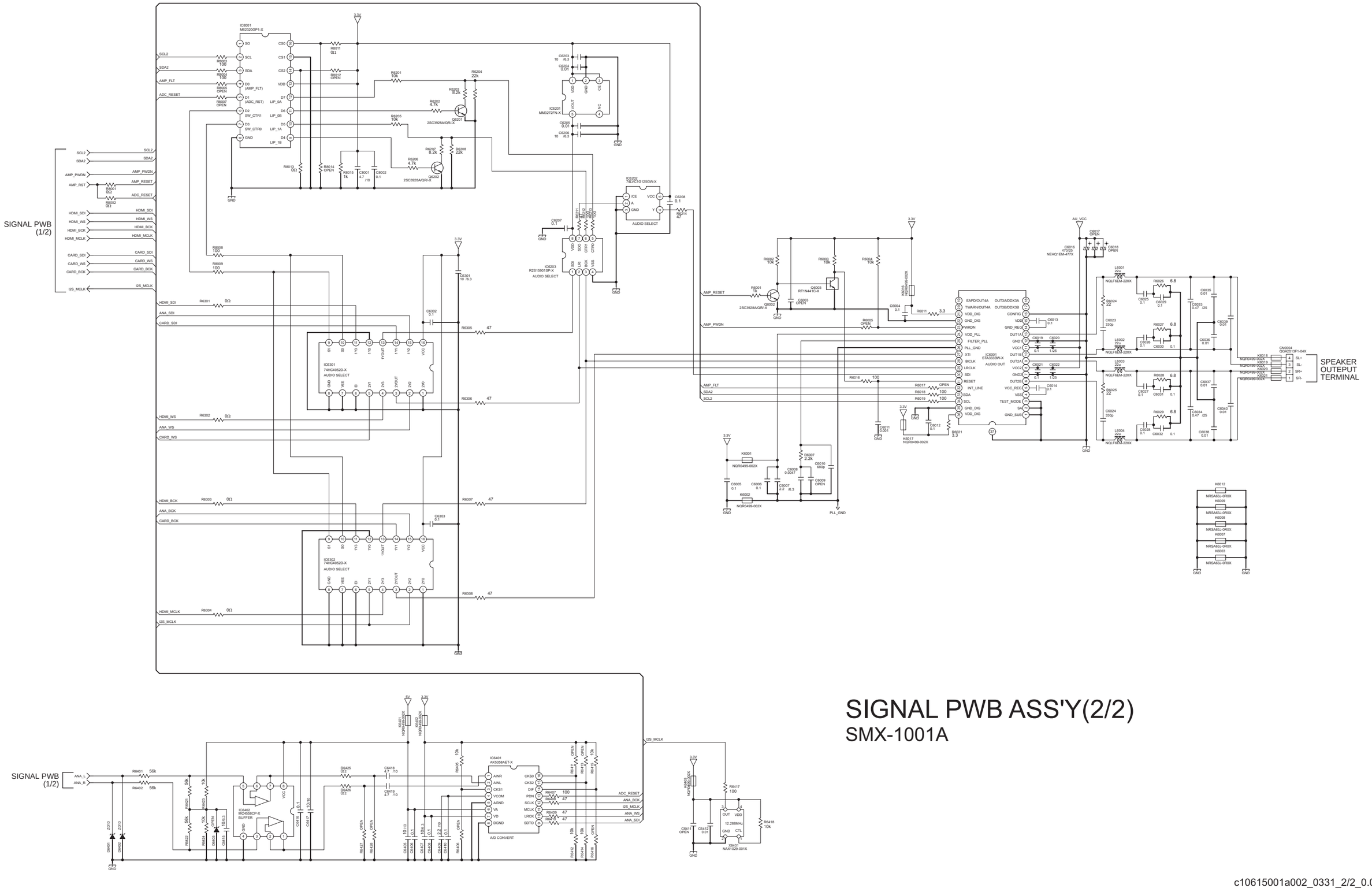


c10616001a015_0331_15/15_0.0

SIGNAL PWB CIRCUIT DIAGRAM (1/2)



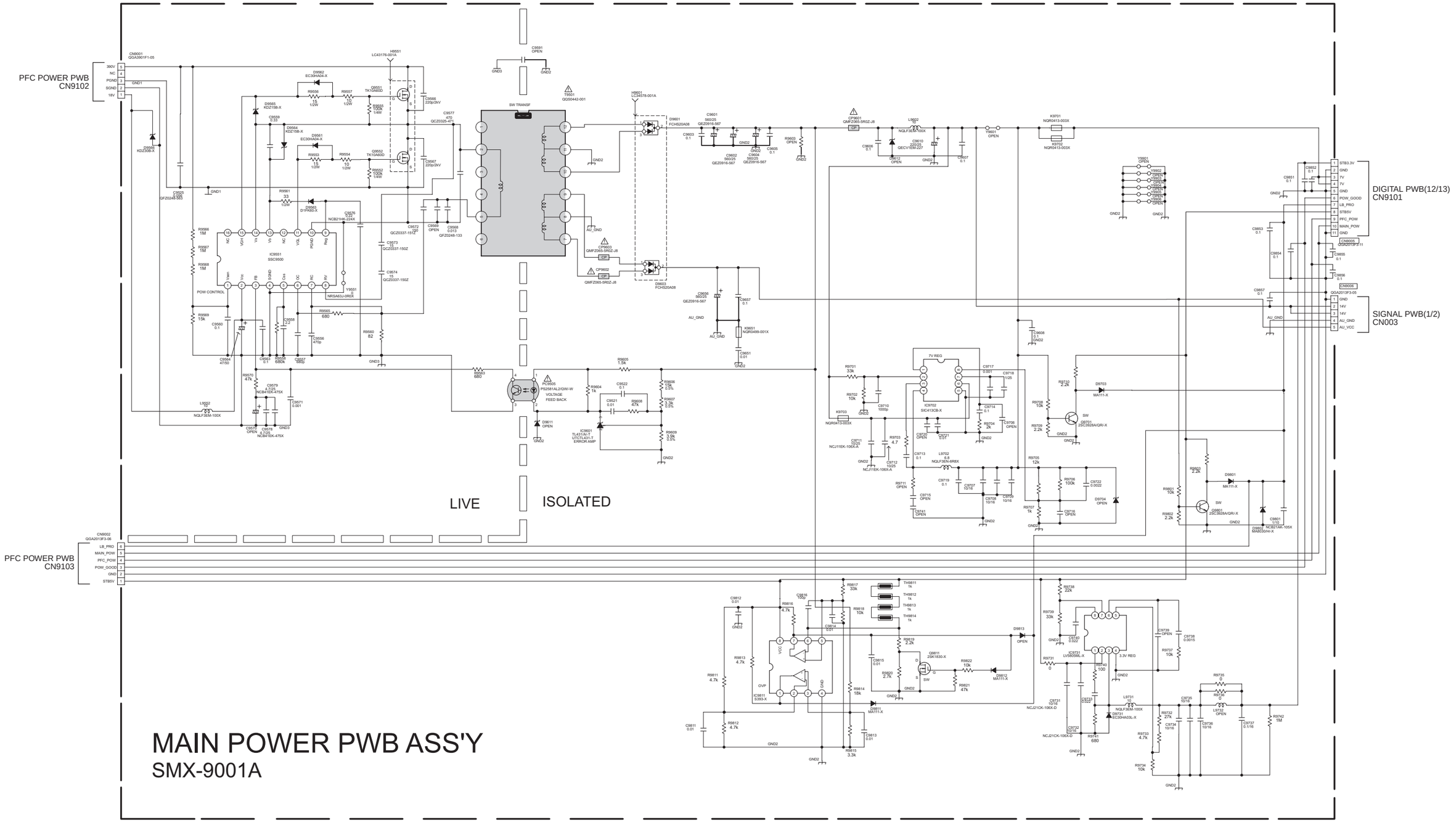
SIGNAL PWB CIRCUIT DIAGRAM (2/2)

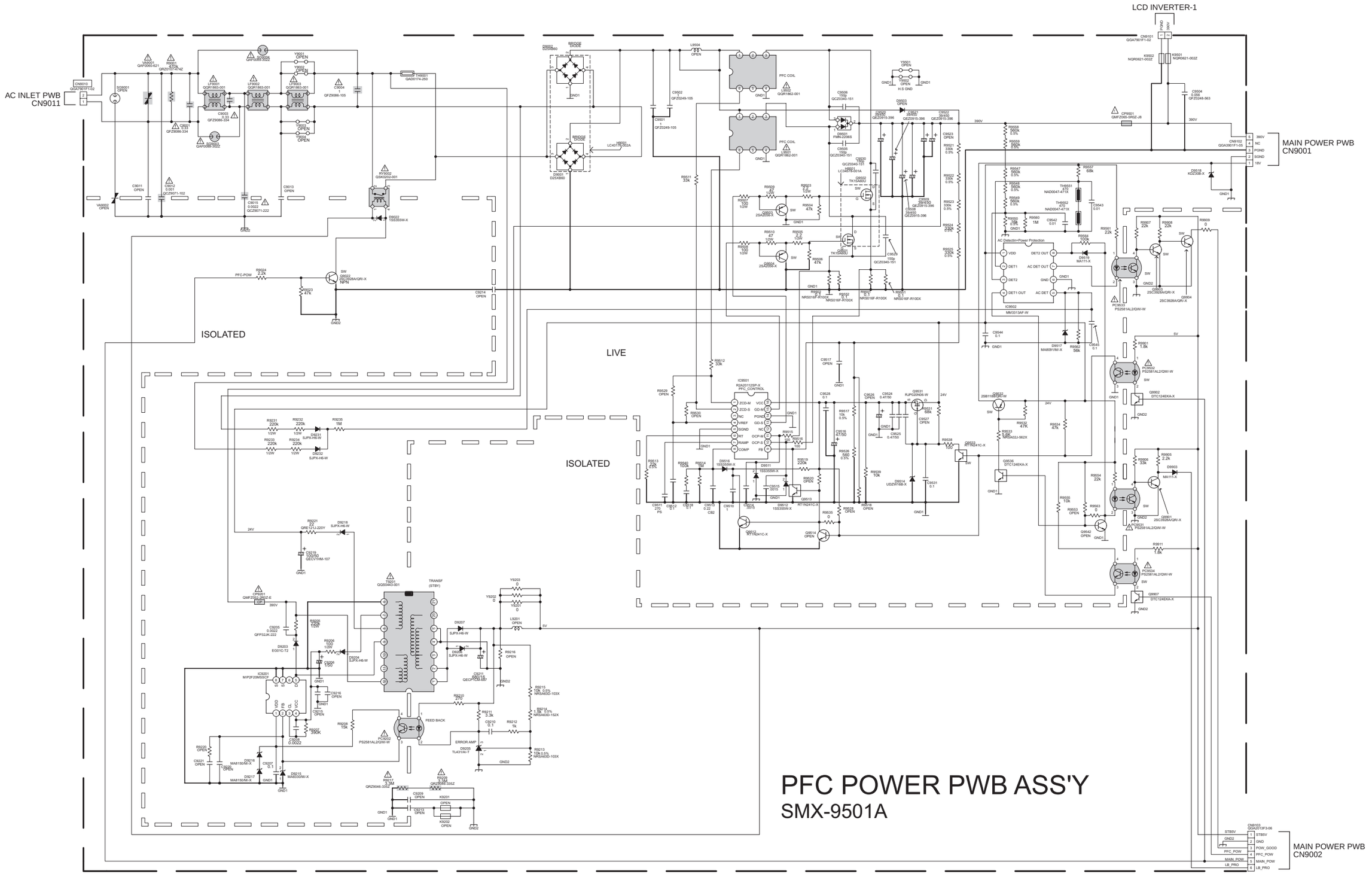


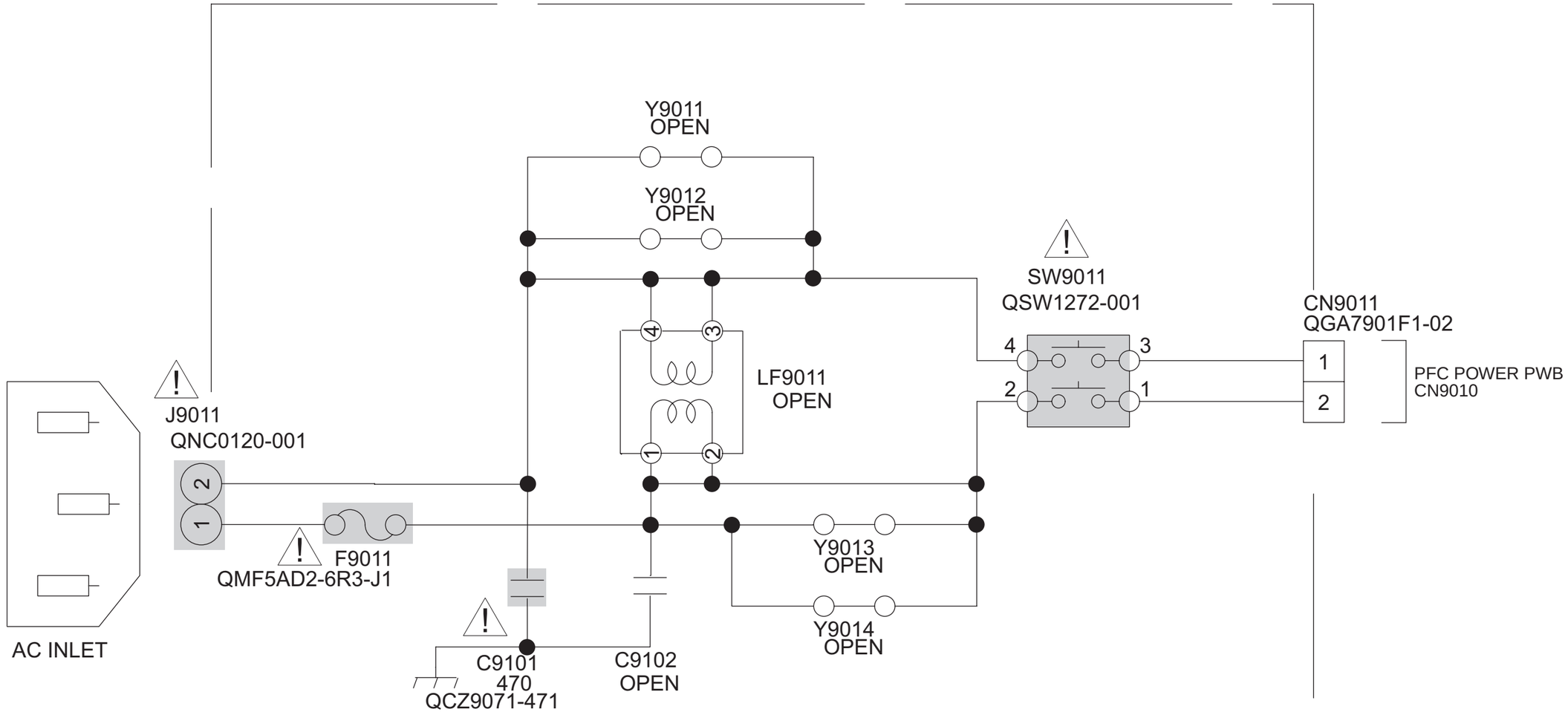
SIGNAL PWB ASS'Y(2/2)

SMX-1001A

MAIN POWER PWB CIRCUIT DIAGRAM




LCD INVERTER-1
AC INLET PWB CN9011
MAIN POWER PWB CN9001
MAIN POWER PWB CN9002
ISOLATED
LIVE
ISOLATED
PFC POWER PWB ASS'Y
SMX-9501A



AC INLET PWB ASS'Y

SMX-9801A

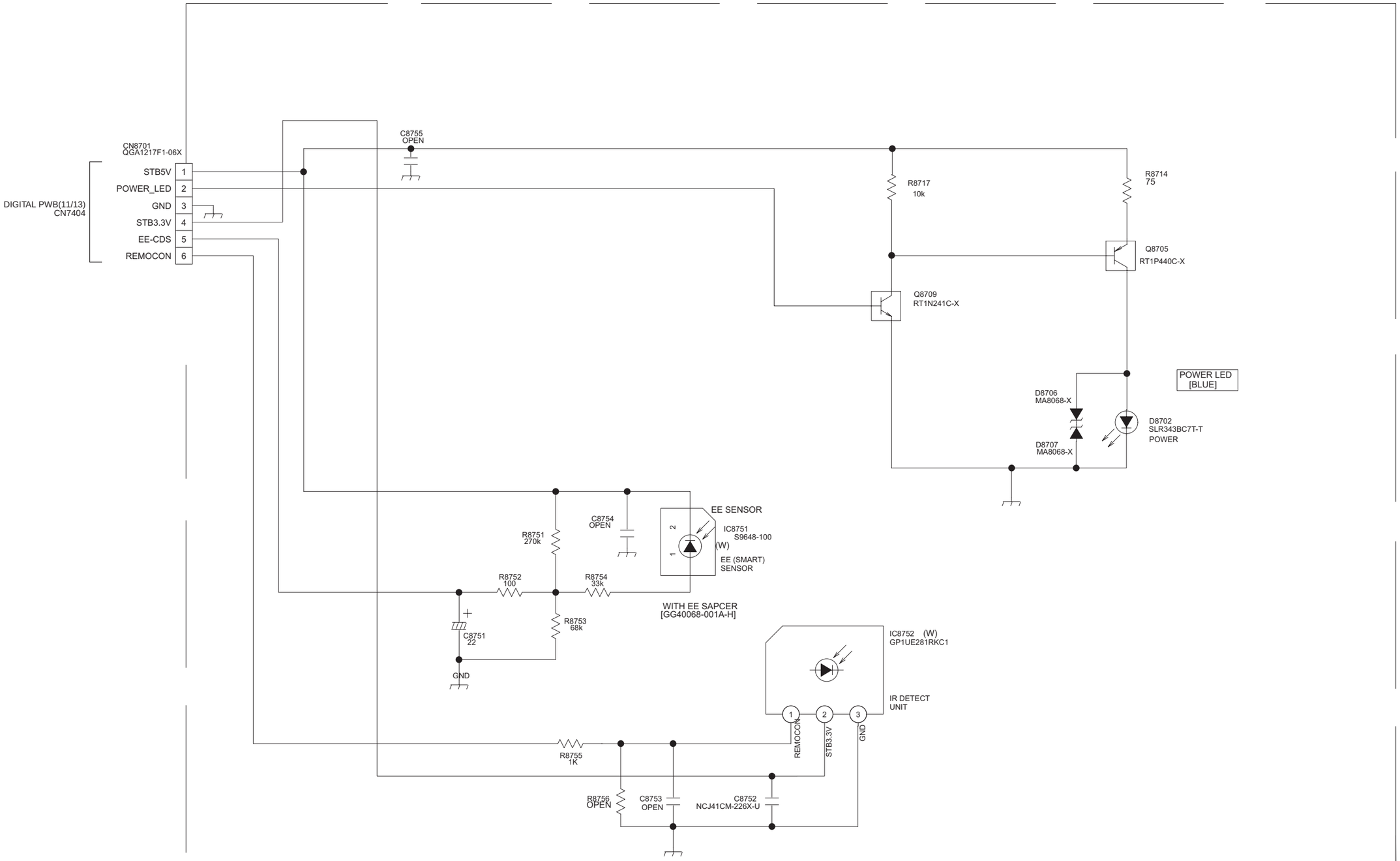
c40144001a001_0331_1/1_0.0

SIDE PWB ASS'Y
SMX-7001A

ASSY NO. : MODEL LIST
SMX-7001A
OLLC15913 : LT-42WX70EU
LT-42WX70A
LT-42WX70G
LT-42WX70B
LT-42WX70AU
LT-42WX70T
LT-42WX70J
GD-42X1
GD-42X1E
GD-42X1D

JVC
HDMI1

LED PWB CIRCUIT DIAGRAM

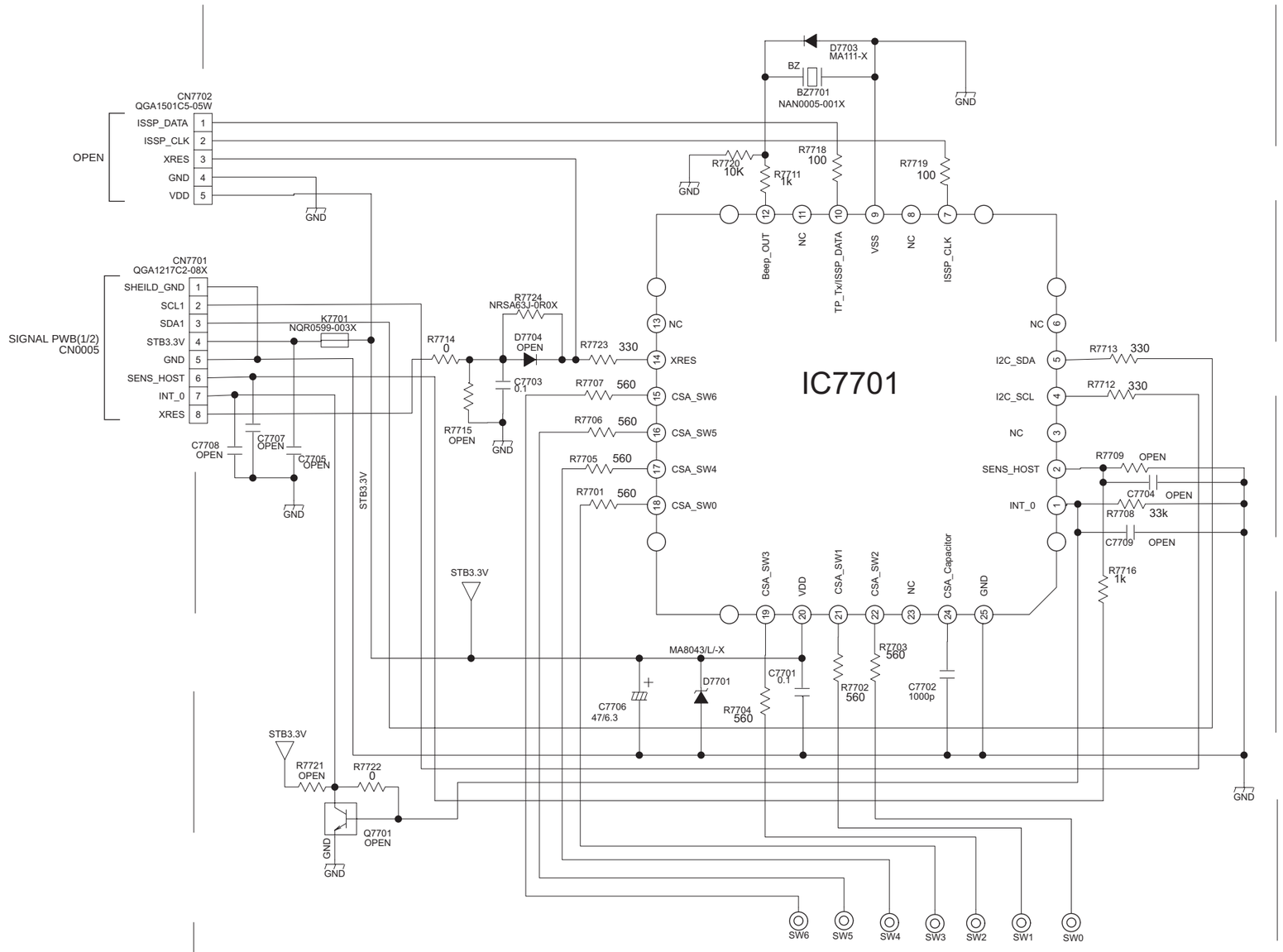


LED PWB ASS'Y

SMX-8701A

c30273001a001_0331_1/1_0.0

CAPSENS PWB CIRCUIT DIAGRAM

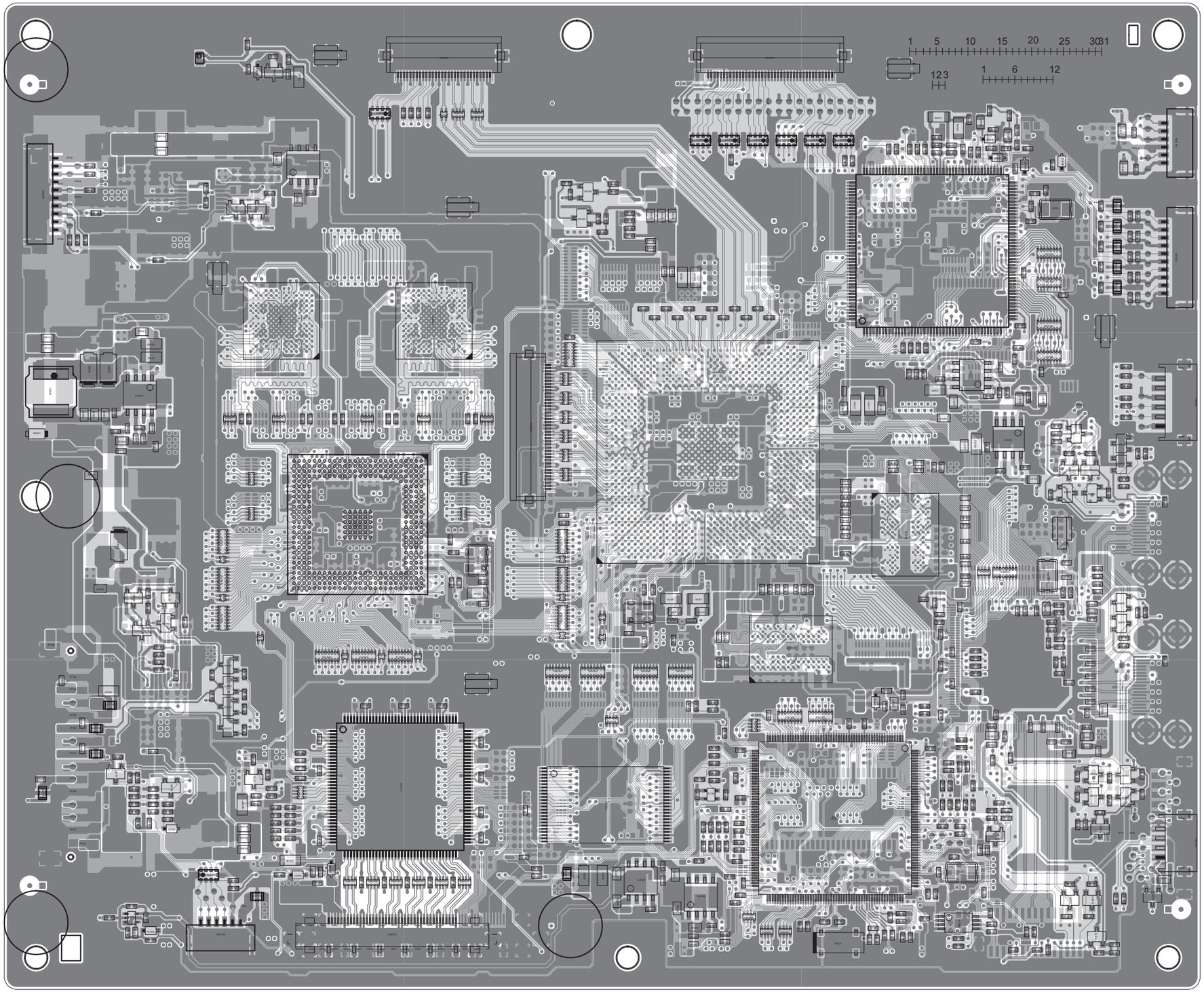


	SW0	SW1	SW2	SW3	SW4	SW5	SW6
WX70 Series	POWER	INPUT	MENU/↓	←	→	VOL- /Back	VOL+ /OK
DV1 Series	TV/AV	MENU/OK	CH - /↓	CH + /↑	VOL- /←	VOL+ /→	POWER

CAPSENS PWB ASS'Y
SMX-7701A

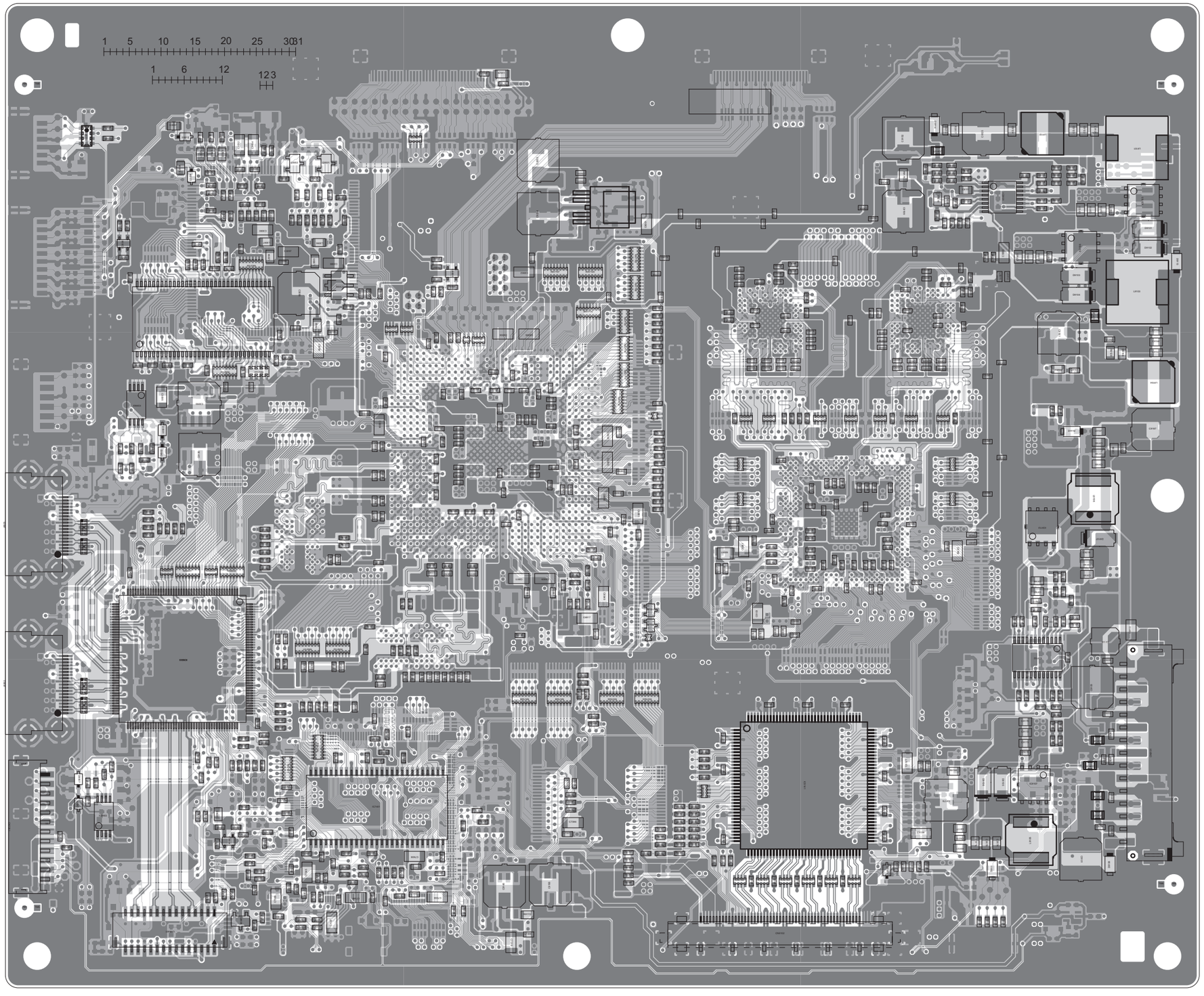
PATTERN DIAGRAMS

DIGITAL PWB PATTERN [SOLDER SIDE]

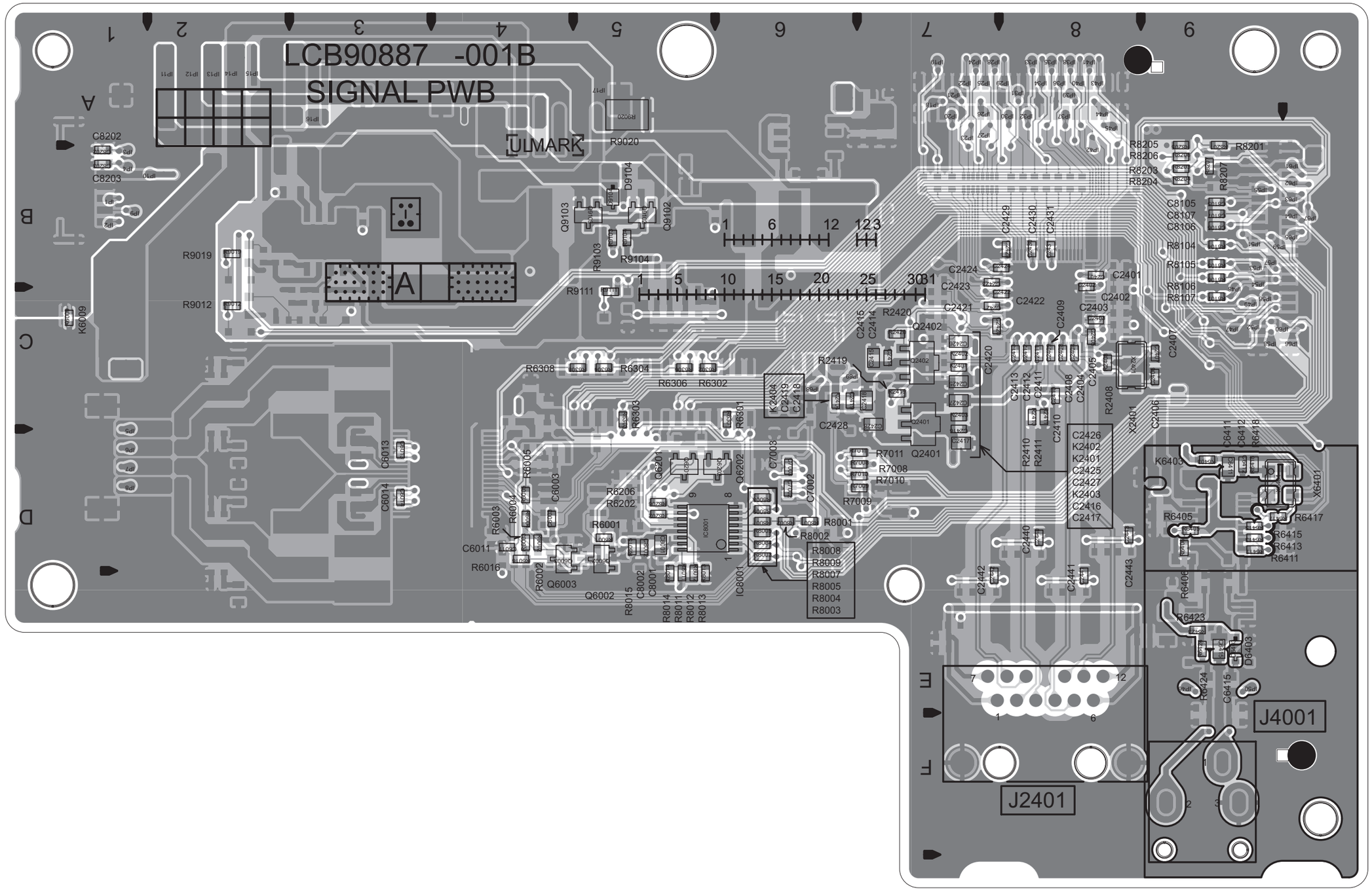


TOP

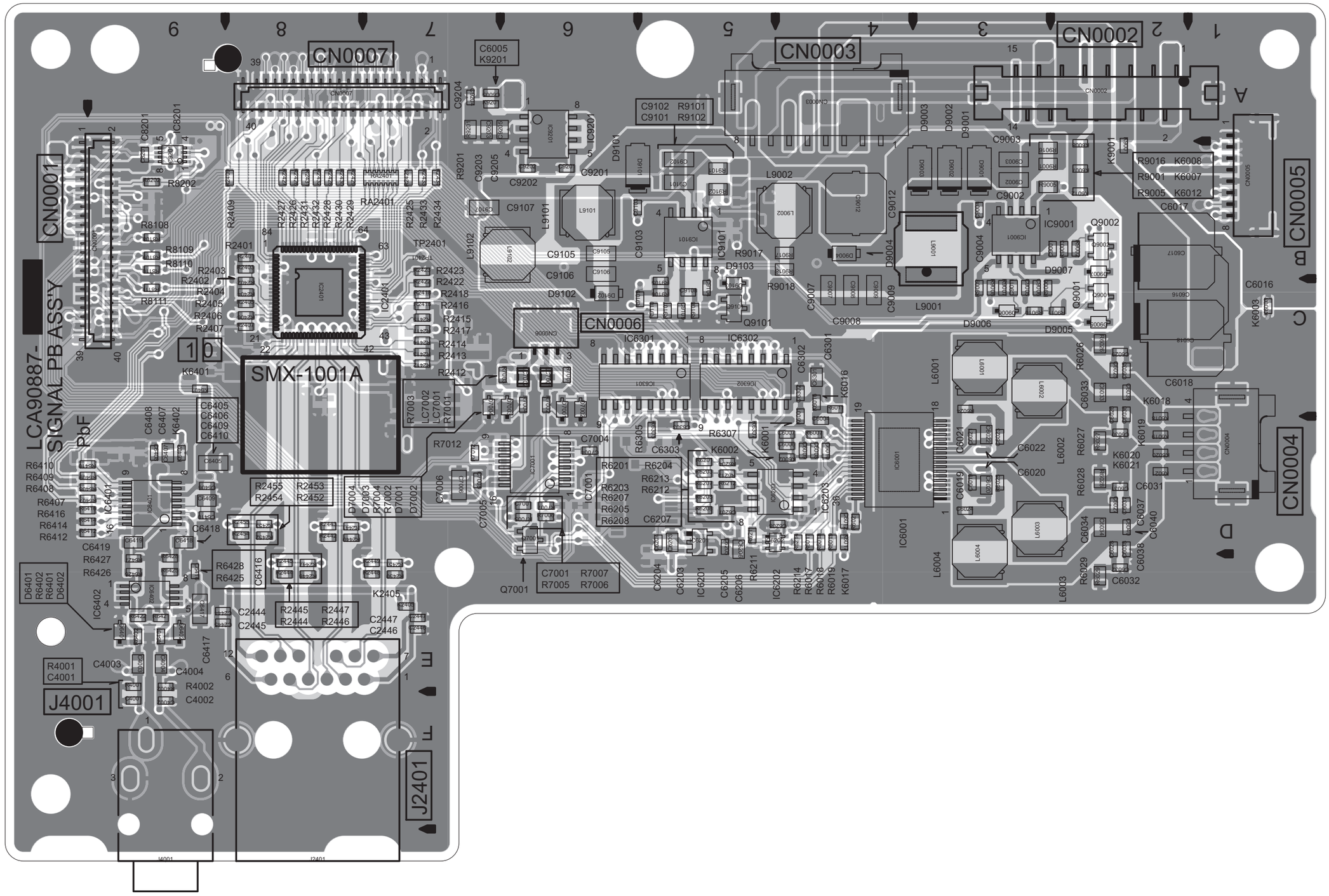
DIGITAL PWB PATTERN [PARTS SIDE]



SIGNAL PWB PATTERN [SOLDER SIDE]



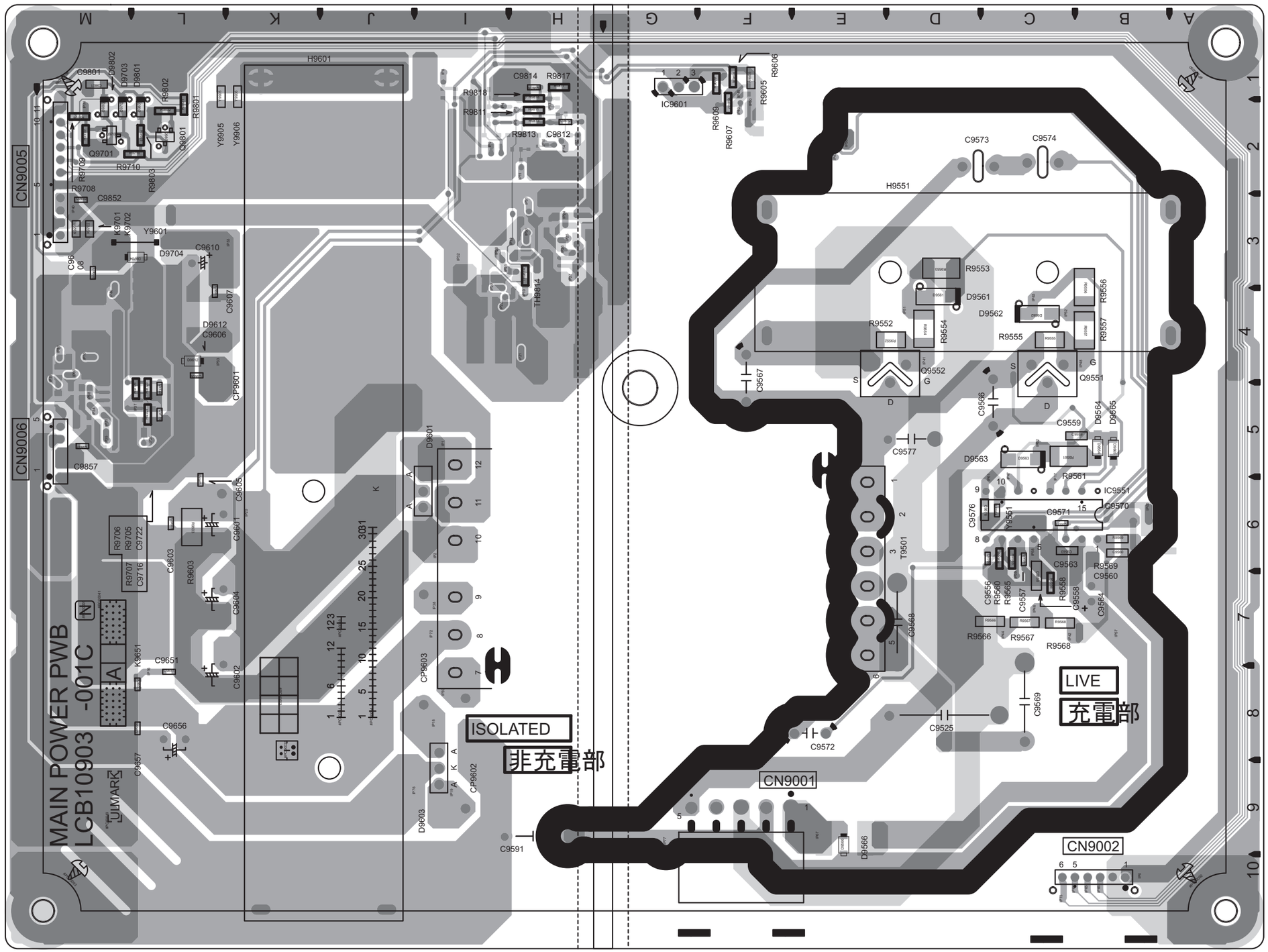
SIGNAL PWB PATTERN [PARTS SIDE]



MAIN POWER PWB PATTERN [SOLDER SIDE]

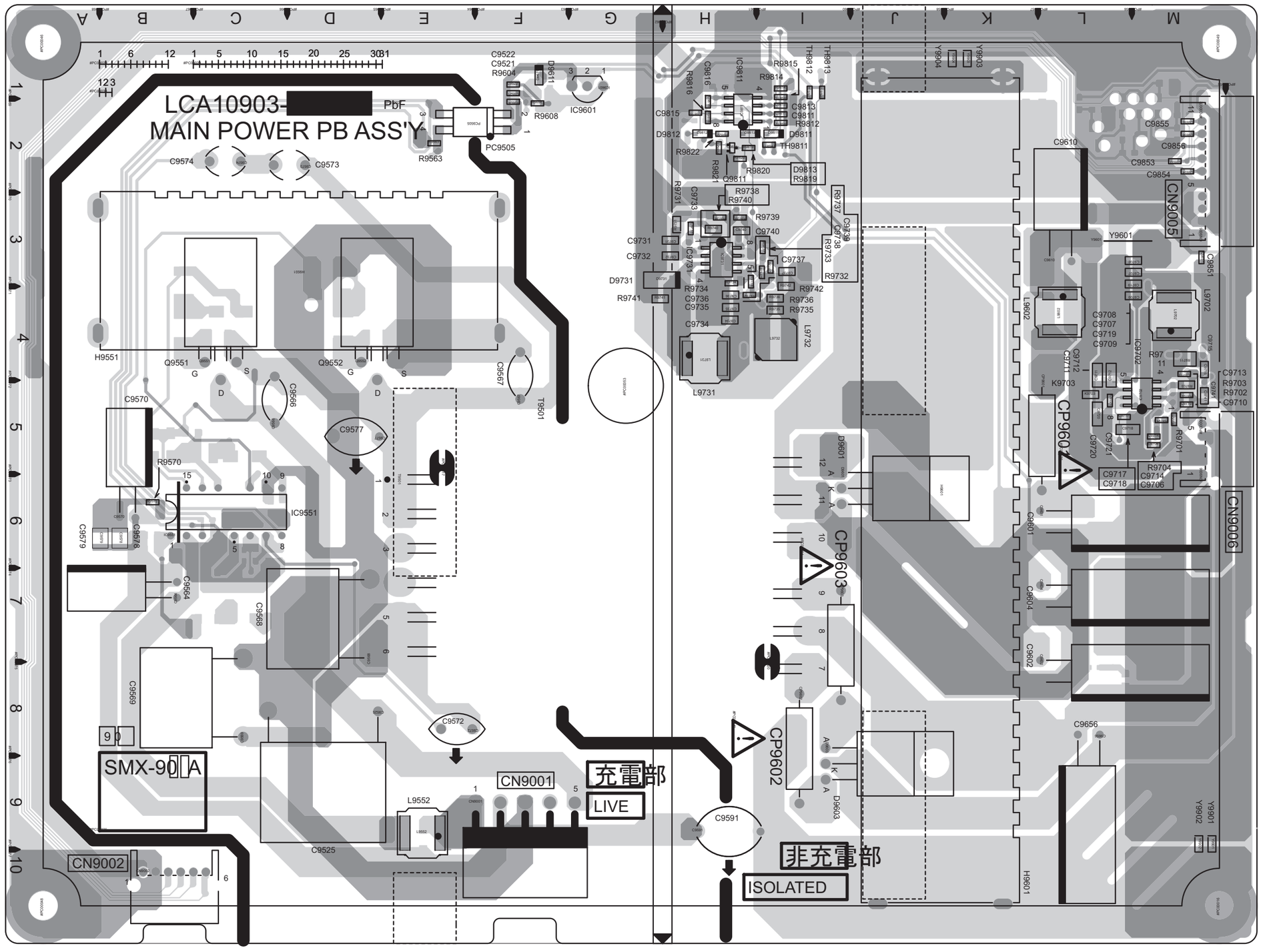
CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).

TOP



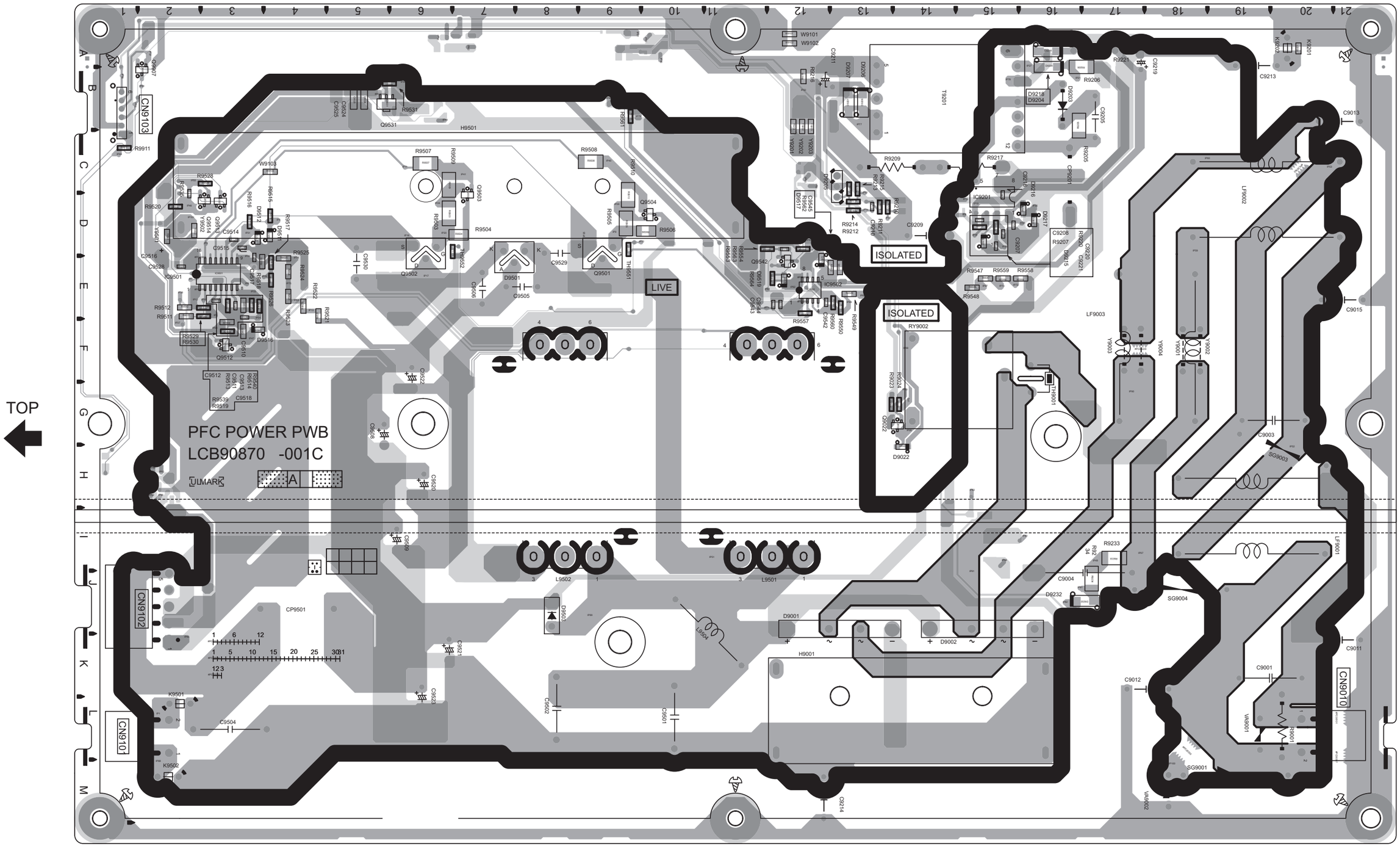
MAIN POWER PWB PATTERN [PARTS SIDE]

CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).



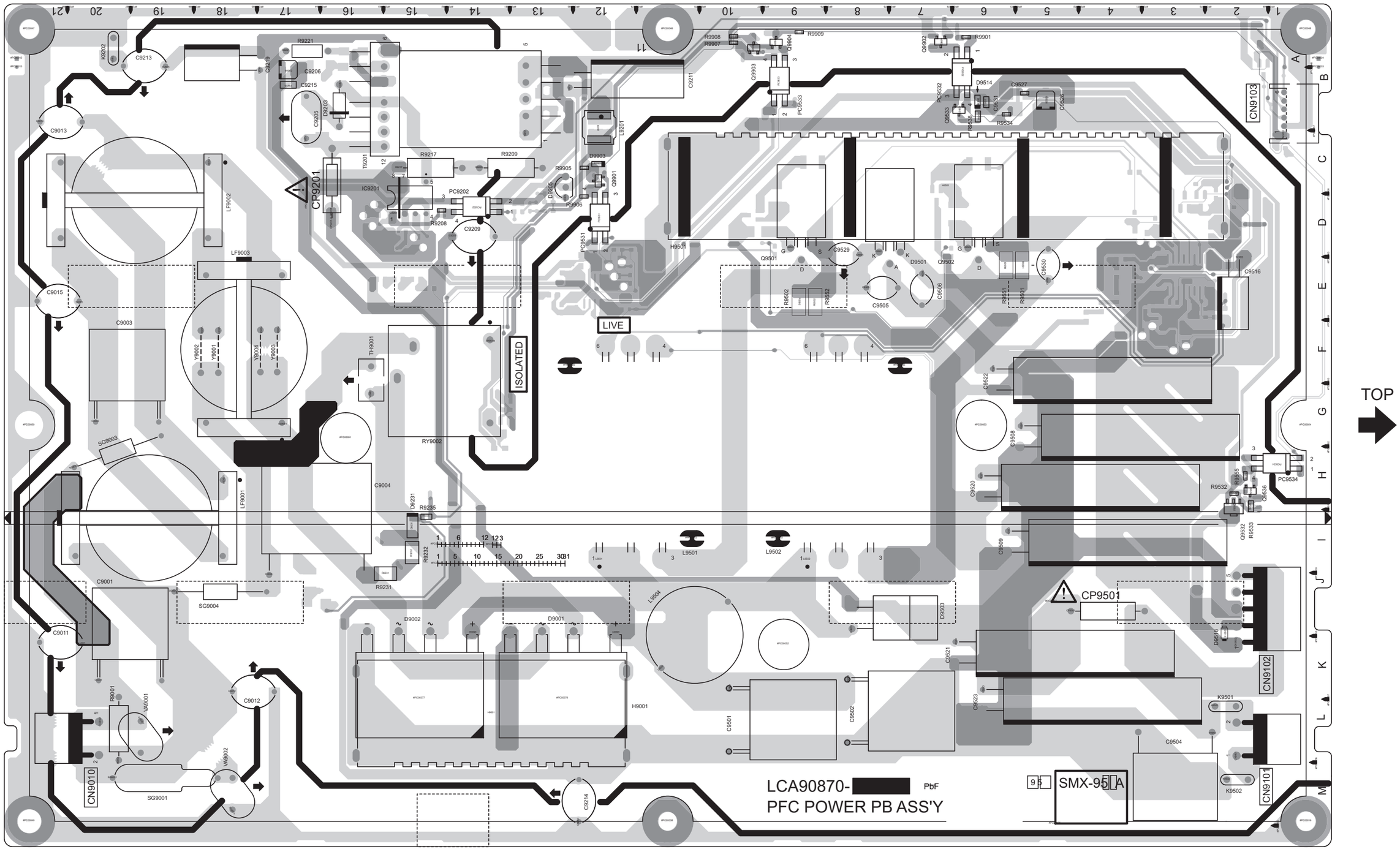
PFC POWER PWB PATTERN [SOLDER SIDE]

CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).



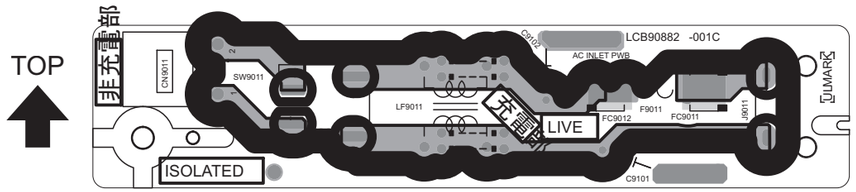
PFC POWER PWB PATTERN [PARTS SIDE]

CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).

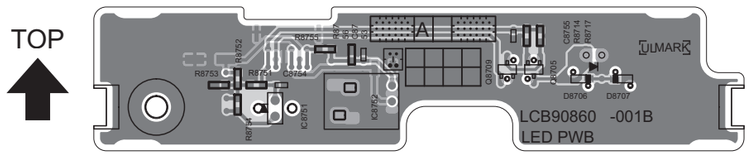


AC INLET PWB PATTERN [SOLDER SIDE]

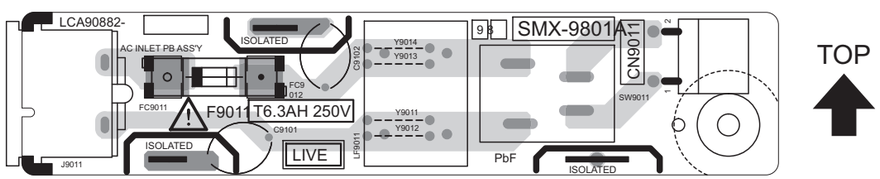
CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).



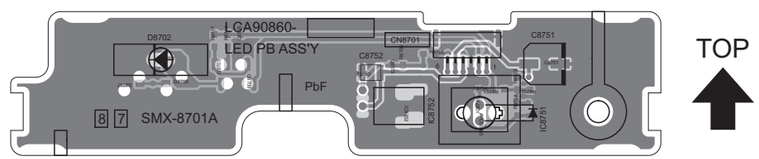
LED PWB PATTERN [SOLDER SIDE]



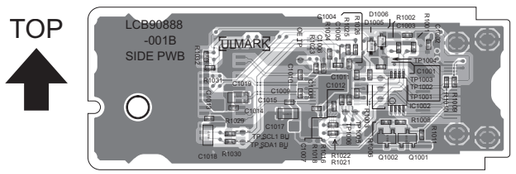
AC INLET PWB PATTERN [PARTS SIDE]



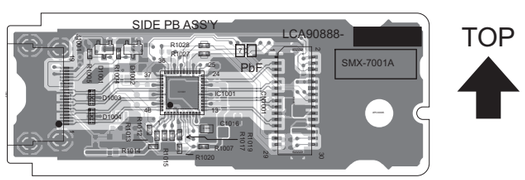
LED PWB PATTERN [PARTS SIDE]



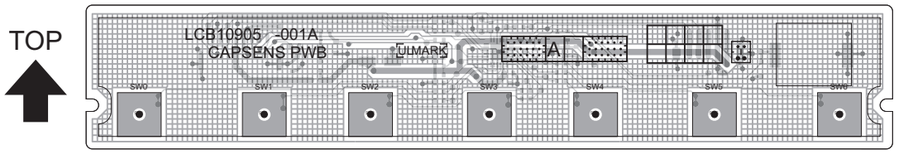
SIDE PWB PATTERN [SOLDER SIDE]



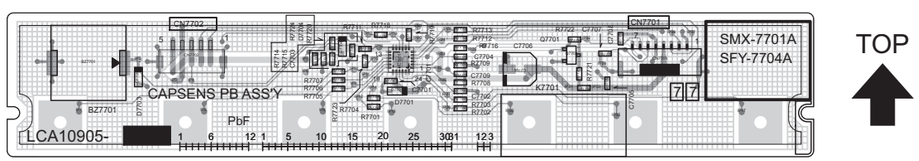
SIDE PWB PATTERN [PARTS SIDE]



CAPSENS PWB PATTERN [SOLDER SIDE]



CAPSENS PWB PATTERN [PARTS SIDE]



VOLTAGE CHARTS

<DIGITAL PWB>
[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
IC3001	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	NC
14	NC
15	3.2
16	0
17	-1.4
18	3.1
19	NC
20	1.4
21	3.1
22	0
23	1.7
24	1.9
25	1.9
26	1.9
27	1.9
28	1.9
29	1.9
30	1.9
31	1.9
32	1.9
33	1.9
34	1.9
35	0
36	1.7
37	2.4
38	0
39	1.9
40	1.9
41	1.9
42	1.9
43	1.9
44	1.9
45	1.9
46	0.4
47	2.4
48	0
49	1.2
50	1.2
51	1.2
52	1.2
53	1.2
54	1.2
55	1.2
56	1.2
57	1.2
58	1.2
59	0
60	1.8
61	2.4
62	0
63	1.2
64	1.2
65	1.2
66	1.2
67	1.2
68	1.2
69	1.2
70	1.2
71	1.2
72	0.4
73	1.2
74	1.2
75	1.9
76	1.7
77	0
78	0
79	3.2
80	1.3
81	1.7
82	0
83	3.2
84	1.7
85	0
86	0.8
87	1.7
88	0.9
89	0
90	0
91	1.1
92	0
93	0
94	0.9
95	0
96	0.4

MODE PIN NO.	DC (V)
97	0
98	0.4
99	0
100	0
101	3.2
102	1.6
103	2
104	0
105	3.2
106	0
107	1.8
108	1.1
109	0.7
110	0
111	0
112	0
113	0
114	0
115	0
116	NC
117	0
118	0.1
119	0
120	3.2
121	3.1
122	3.1
123	0
124	0
125	0.1
126	0
127	0
128	0
129	0
130	0
131	0
132	0
133	0
134	0
135	0
136	0
137	1.7
138	0
139	0
140	0
141	0
142	0
143	0
144	0
145	0
146	0
147	0
148	0
149	0
150	0
151	0
152	0
153	0
154	0
155	1.6
156	1.9
157	1.6
158	2.3
159	1.7
160	0
161	1.6
162	1.6
163	1.6
164	0.7
165	0.6
166	0.6
167	2
168	1
169	1
170	3.2
171	0
172	0
173	0
174	0
175	1.7
176	0
IC3002	
1	2.4
2	1.2
3	2.4
4	1.2
5	1.2
6	0
7	1.2
8	1.2
9	2.4
10	1.2
11	1.2
12	0
13	1.2
14	NC
15	2.4
16	1.1

MODE PIN NO.	DC (V)
17	NC
18	2.4
19	NC
20	0.4
21	1.9
22	1.9
23	1.9
24	1.9
25	NC
26	1.9
27	1.9
28	1.9
29	1.9
30	1.9
31	1.9
32	1.9
33	2.4
34	0
35	1.9
36	1.9
37	1.9
38	1.9
39	1.9
40	1.9
41	1.9
42	NC
43	NC
44	1.9
45	1
46	1.1
47	0.4
48	0
49	1.1
50	NC
51	1
52	0
53	NC
54	1.1
55	2.4
56	0
57	0
58	0
59	1.1
60	1.1
61	2.4
62	1.1
63	1.1
64	0
65	1.1
66	0
IC3003	
1	0
2	2.4
3	1.2
4	1.2
5	2.4
6	2.4
7	2.4
8	1.2
IC3004	
1	0
2	3.1
3	0
4	3.1
IC3009	
1	3.2
2	0
3	NC
4	3.1
5	1.7
Q3001	
S	0.4
D	0.4
G	3.1
Q3002	
S	0.4
D	0.4
G	3.2

[P.2-13 - P.2-14]

MODE PIN NO.	DC (V)
IC6901	
1	0
2	3.3
3	0
4	3.3

[P.2-15 - P.2-16]

MODE PIN NO.	DC (V)
IC6103	
1	0
2	3.2
3	0
4	0.8
5	1.7
6	3.2
7	1.7
8	0

[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
Q5201	
E	0
C	2.7
B	1.5

[P.2-21 - P.2-22]

MODE PIN NO.	DC (V)
IC5121	
1	0
2	0
3	3.3
4	0
5	0
6	0
7	0.1
8	0.1
9	2.7
10	0
11	0
12	0
13	3.3
14	0
15	2.9
16	0
17	0
18	0
19	0
20	3.3
21	0
22	0
23	NC
24	0
25	0

MODE PIN NO.	DC (V)
74	3.3
75	0
76	0
77	0
78	0.8
79	0.8
80	0.8
81	0.6
82	3.3
83	0
84	0.6
85	0.8
86	0.8
87	1.3
88	0
89	0
90	0.8
91	0.8
92	0.8
93	3.3
94	0
95	0.7
96	0.9
97	0.8
98	0.6
99	0
100	0
101	0.8
102	0.8
103	3.3
104	3.3
105	0
106	0.8
107	0.8
108	0.6
109	NC
110	1.1
111	1
112	0.9
113	3.3
114	0
115	0
116	0
117	0
118	0
119	0
120	0
121	0
122	0
123	0
124	0
125	3.2
126	0
127	NC
128	NC
129	0
130	0
131	0
132	0
133	0
134	0
135	0
136	0
137	3.2
138	0
139	0
140	0
141	0
142	0
143	0
144	0
IC5141	
1	0
2	0
3	3.2
4	0
5	0
6	0
7	0.1
8	0.1
9	2.8
10	0
11	0
12	0
13	3.2
14	0
15	-0.1
16	0
17	0
18	0
19	0
20	3.2
21	0
22	0
23	NC
24	0
25	0

MODE PIN NO.	DC (V)
26	0
27	0
28	0
29	NC
30	2.9
31	0
32	0
33	NC
34	0
35	3.1
36	0
37	0
38	1
39	1.2
40	1
41	1.2
42	0
43	3.2
44	1.1
45	1.1
46	1
47	1.2
48	0
49	3.2
50	1
51	1.2
52	1
53	1.2
54	0
55	3.2
56	1
57	1.2
58	1
59	1.2
60	0
61	3.2
62	1.1
63	1.1
64	1
65	1.2
66	0
67	3.2
68	1
69	1.2
70	1
71	1.2
72	0
73	0
74	0
75	0
76	0
77	0
78	0.8
79	0.8
80	0.8
81	0.6
82	3.2
83	0
84	0.6
85	0.8
86	0.8
87	1.3
88	0
89	0
90	0.8
91	0.6
92	0.8
93	3.2
94	0
95	0.7
96	0.9
97	0.8
98	0.6
99	0
100	0
101	0.8
102	0.8
103	0.8
104	3.2
105	0
106	0.8
107	0.8
108	0.6
109	NC
110	1.1
111	1
112	0.9
113	3.2
114	0
115	0
116	0
117	0
118	0
119	0
120	0
121	0
122	0

[P.2-23 - P.2-24]

MODE PIN NO.	DC (V)
IC7302	
1	3
2	0
3	1.8
4	1.8
5	1.8
6	1.8
7	1.8
8	1.8
9	0
10	0
11	3.2
12	3.3
13	NC
14	3.3
15	NC
16	0
17	0
18	1.8
19	0
20	1.8
21	1.7
22	1.8
23	1.8
24	0
25	0
26	3.2
27	0
28	3.2
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	3.2
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	3.2
48	0
IC7303	
1	0
2	3.3
3	0
4	3.3
IC7304	
1	0
2	0
3	0
4	0
5	3.2
6	3.2
7	0
8	3.2
Q7301	
E	3.3
C	3.2
B	0

MODE PIN NO.	DC (V)
Q7302	
E	3.3
C	3.2
B	0
Q7303	
E	3.3
C	3.2
B	0

[P.2-25 - P.2-26]

MODE PIN NO.	DC (V)
IC7401	
1	3.3
2	0
3	3.3
4	0
5	0
6	0
7	0
8	0
9	3.3
10	0.2
11	0.2
12	0
13	0.2
14	3.3
15	0
16	1.7
17	1.5
18	2.4
19	2.9
20	2.4
21	1.9
22	0
23	0
24	0.7
25	0.1
26	2.4
27	3.3
28	0
29	2.1
30	1.1
31	2.1
32	1.1
33	0
34	0
35	0
36	0
37	3.3
38	1.5
39	0
40	0
41	0
42	0
43	3.3
44	0.1
45	0.1
46	0
47	0.1
48	0.1
49	3.3
50	0.1
51	0.1
52	0
53	0.1
54	0

[P.2-31 - P.2-32]

MODE PIN NO.	DC (V)
IC9101	
1	1.6
2	0
3	2.8
4	1.8
5	1.1
6	7
7	1.4
8	4.2
9	0
10	3.5
11	3.6
12	1.2
13	1.4
14	2.8
15	0
16	1.1

MODE PIN NO.	DC (V)
IC9102	
1	1.5
2	0
3	1.1
4	0
5	2.8
6	1.1
7	0.3
8	0.7
9	7
10	0
11	4.8
12	0
13	0
14	NC
15	3.8
16	0
17	7
18	0.8
19	0.5
20	0.7
21	0.7
22	1.1
23	2.8
24	1.1
IC9103	
1	6.9
2	6.9
3	6.9
4	3.5
5	3.2
6	3.2
7	3.2
8	3.2
IC9104	
1	5.8
2	6.9
3	1.8
4	0
5	0.6
6	1.3
7	2.6
8	1.9
IC9105	
1	1.9
2	NC
3	0
4	0.8
5	3.3
6	NC
7	NC
8	3.3
IC9106	
1	6.9
2	6.9
3	6.9
4	4.2
5	2.5
6	2.5
7	2.5
8	2.5
IC9107	
1	6.9
2	6.9
3	6.9
4	3.8
5	1
6	1
7	1
8	1
IC9108	
1	1.4
2	NC
3	0
4	0.3
5	3
6	NC
7	NC
8	3.3
IC9109	
1	2.4
2	NC
3	0
4	1.1
5	3.2
6	3.2
7	3.2
8	3.2
IC9111	
1	NC
2	3.2
3	0
4	3.2
5	3.2

MODE PIN NO.	DC (V)
IC9112	
1	6.9
2	6.9
3	6.9
4	4.8
5	1.4
6	1.4
7	1.4
8	1.4
Q9103	
E	0
C	0
B	3.2
Q9104	
E	0
C	2.8
B	0
Q9105	
E	0
C	2.8
B	0
Q9106	
E	0
C	0
B	3.2
Q9108	
E	0
C	0
B	0.5
Q9109	
E	6.9
C	6.9
B	5.8
Q9110	
E	0
C	2.8
B	0
Q9111	
E	0
C	0
B	6.9

<SIGNAL PWB>
[P.2-35 - P.2-36]

MODE PIN NO.	DC (V)
IC7001	
1	0
2	3.2
3	3.2
4	3.2
5	3.2
6	0
7	0
8	0
9	3.2
10	NC
11	3.2
12	NC
13	0.3
14	0
15	3.2
16	3.2
IC9001	
1	22
2	14
3	11.7
4	0
5	0.3
6	1.8
7	2.9
8	4.8
IC9101	
1	9
2	14
3	5
4	0
5	0.8
6	0.7
7	7.8
8	1.9
IC9201	
1	3.2
2	NC
3	0
4	2.3
5	5
6	NC
7	NC
8	5
Q7001	
E	0
C	0
B	2.7

MODE PIN NO.	DC (V)
Q9001	
E	0
C	0
B	0.6
Q9002	
E	0
C	0
B	3.2
Q9101	
E	0
C	0
B	0.5
Q9102	
E	0
C	7.7
B	0.1
Q9103	
E	0
C	0.1
B	4.2

[P.2-37 - P.2-38]

MODE PIN NO.	DC (V)
IC6001	
1	0
2	0
3	0
4	11.2
5	14.5
6	0
7	0
8	14.5
9	0
10	0
11	14.5
12	0
13	0
14	0
15	3.2
16	0
17	NC
18	NC
19	NC
20	NC
21	3.1
22	0
23	3.1
24	3.2
25	0.4
26	0
27	1.6
28	1.5
29	1.6
30	1.1
31	3.2
32	3.1
33	3.1
34	3.1
35	0
36	3.1
IC6201	
1	3.2
2	0
3	3.2
4	NC
5	2.4
IC6202	
1	0
2	0.9
3	0
4	1.2
5	3.2
IC6203	
1	1.1
2	1.6
3	1.6
4	0
5	1.1
6	1.1
7	1.1
8	2.4
IC6301	
1	0
2	1.6
3	1.6
4	0.8
5	0
6	0
7	0
8	0
9	3.2
10	0
11	0.8
12	0
13	1

MODE PIN NO.	DC (V)
14	0
15	1
16	3.2
IC6302	
1	0
2	1.6
3	1.6
4	0.8
5	1.6
6	0
7	0
8	0
9	3.2
10	0
11	0.8
12	0
13	1.6
14	0
15	1.5
16	3.2
IC6401	
1	0
2	0
3	3
4	2.5
5	0
6	5
7	3.2
8	0
9	1
10	1.6
11	1.6
12	1.5
13	3.1
14	2.7
15	0.3
16	0.3
IC6402	
1	2.5
2	2.5
3	2.5
4	2.5
5	2.5
6	2.5
7	2.5
8	5
IC8001	
1	NC
2	3.1
3	3
4	NC
5	NC
6	3.2
7	0
8	0
9	3.1
10	3.1
11	3.1
12	3.1
13	3.2
14	0
15	0
16	3.2
Q6002	
E	0
C	0
B	0.6
Q6003	
E	0
C	3.2
B	0
Q6201	
E	0
C	0
B	0.6
Q6202	
E	0
C	0
B	0.6

<MAIN POWER PWB>
[P.2-39 - P.2-40]

MODE PIN NO.	DC (V)
IC9551	
1	1.8
2	20.6
3	3
4	0
5	5.4
6	0
7	0
8	2.9
9	10.3
10	0
11	3.7
12	NC

MODE PIN NO.	DC (V)
13	207
14	198
15	202
16	NC
IC9702	
1	1.6
2	3.2
3	11.8
4	7
5	0
6	14
7	5.5
8	0.5
IC9731	
1	6.8
2	5.1
3	3.2
4	0
5	*
6	0.1
7	*
8	0
IC9811	
1	0
2	2.6
3	2.1
4	0
5	1.2
6	2.8
7	0
8	5.1
Q9551	
S	198
D	390
G	202
Q9552	
S	0
D	197
G	3.6
Q9701	
E	0
C	0
B	0.6
Q9801	
E	0
C	0
B	0.6
Q9811	
S	0
D	1.5
G	1.1
PC9505	
1	11.6
2	10.5
3	0
4	2.7

<PFC POWER PWB>
[P.2-41 - P.2-42]

MODE PIN NO.	DC (V)
IC9201	
1	5.8
2	0.8
3	2.3
4	16.7
5	390
6	NC
7	0
8	0
IC9501	
1	2.3
2	2.3
3	NC
4	4.9
5	0
6	2.5
7	0.2
8	2.6
9	1.3
10	0
11	0
12	NC
13	8.7
14	0
15	9.4
16	15
IC9502	
1	21.3
2	0.1
3	2
4	19.8
5	3.3
6	0
7	21.3
8	21.3

MODE PIN NO.	DC (V)
Q9022	
E	0
C	0
B	0.3
Q9501	
S	0
D	102.6
G	8.9
Q9502	
S	0
D	102.4
G	8.1
Q9503	
E	8.1
C	0
B	8.3
Q9504	
E	8.9
C	0
B	9.1
Q9512	
E	0
C	14.6
B	0
Q9513	
E	0
C	1.3
B	0
Q9531	
S	15
D	21.3
G	16
Q9532	
E	21.3
C	20.7
B	21.3
Q9533	
E	0
C	16.1
B	0
Q9536	
E	0
C	0
B	13.7
Q9901	
E	0
C	0
B	0
Q9902	
E	0
C	0
B	3.2
Q9903	
E	0
C	0
B	*
Q9904	
E	0
C	3.2
B	0
Q9907	
E	0
C	0
B	3.2
PC9202	
1	5.2
2	4.2
3	0.8
4	4.6
PC9531	
1	20.3
2	19.8
3	0
4	0
PC9532	
1	1.1
2	0
3	0
4	0
PC9533	
1	20.1
2	21.3
3	0
4	*
PC9534	
1	1
2	0
3	13.6
4	13.9

<SIDE PWB>
[P.2-45 - P.2-64]

MODE PIN NO.	DC (V)
IC1002	
1	0
2	0
3	0
4	0
5	3.1
6	2.9
7	4.8
8	4.5
Q1001	
E	1.8
C	-3.7
B	6.7
Q1002	
E	0
C	6.7
B	-0.4

<LED PWB>
[P.2-47 - P.2-48]

MODE PIN NO.	DC (V)
IC8751	
1	4.9
2	1.2
IC8752	
1	2.6
2	3.2
3	0
Q8705	
E	3.1
C	2
B	0
Q8709	
E	0
C	0
B	3

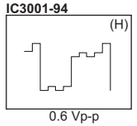
<CAPSENS PWB>
[P.2-49 - P.2-50]

MODE PIN NO.	DC (V)
IC7701	
1	3.2
2	3.2
3	NC
4	2.4
5	2.4
6	NC
7	0.8
8	NC
9	0
10	0
11	NC
12	0
13	NC
14	0
15	0
16	0
17	0
18	0
19	0
20	3.2
21	0
22	0
23	NC
24	1.1

WAVEFORMS

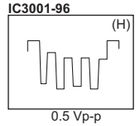
DIGITAL PWB(1/13)

IC3001-94



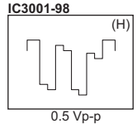
0.6 Vp-p

IC3001-96



0.5 Vp-p

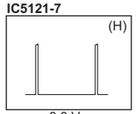
IC3001-98



0.5 Vp-p

DIGITAL PWB(7/13)

IC5121-7

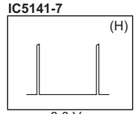


3.0 Vp-p

IC5121-8

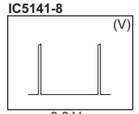
3.0 Vp-p

IC5141-7



3.0 Vp-p

IC5141-8



3.0 Vp-p

JVC

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(No.YA700<Rev.001>)

Printed in Japan
VSE

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS	
CR	Carbon Resistor
FR	Fusible Resistor
PR	Plate Resistor
VR	Variable Resistor
HV R	High Voltage Resistor
MF R	Metal Film Resistor
MG R	Metal Glazed Resistor
MP R	Metal Plate Resistor
OM R	Metal Oxide Film Resistor
CMF R	Coating Metal Film Resistor
UNF R	Non-Flammable Resistor
CH V R	Chip Variable Resistor
CH MG R	Chip Metal Glazed Resistor
COMP. R	Composition Resistor
LPTC R	Linear Positive Temperature Coefficient Resistor

CAPACITORS	
C CAP.	Ceramic Capacitor
E CAP.	Electrolytic Capacitor
M CAP.	Mylar Capacitor
CH CAP.	Chip Capacitor
HV CAP.	High Voltage Capacitor
MF CAP.	Metalized Film Capacitor
MM CAP.	Metalized Mylar Capacitor
MP CAP.	Metalized Polystyrol Capacitor
PP CAP.	Polypropylene Capacitor
PS CAP.	Polystyrol Capacitor
TF CAP.	Thin Film Capacitor
MPP CAP.	Metalized Polypropylene Capacitor
TAN. CAP.	Tantalum Capacitor
CH C CAP.	Chip Ceramic Capacitor
BP E CAP.	Bi-Polar Electrolytic Capacitor
CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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USING P.W. BOARD & REMOTE CONTROL UNIT

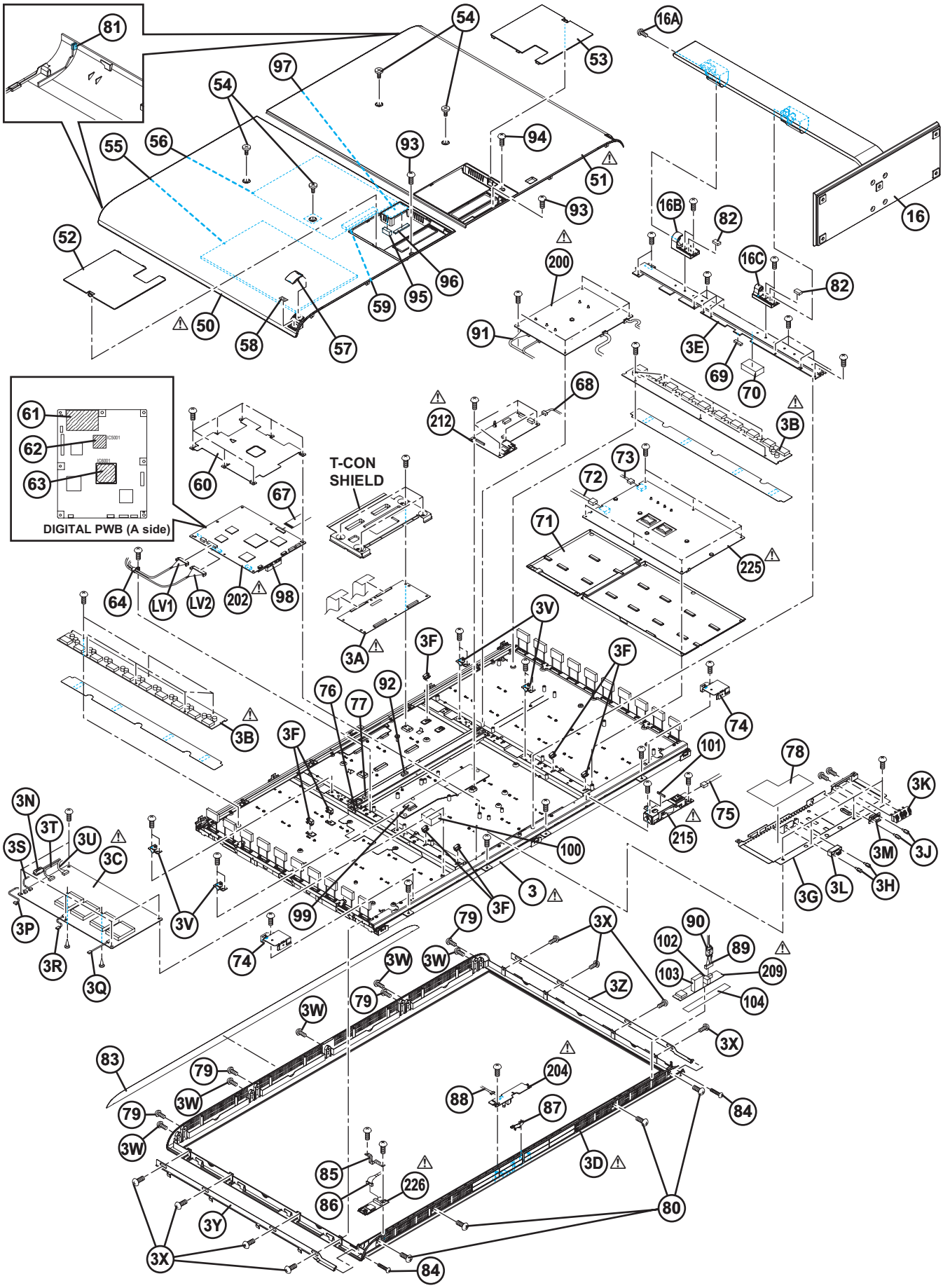
P.W.B ASS'Y name	P.W.B ASS'Y No.					
	LT-42WX70/APT	LT-42WX70/AUPT	LT-42WX70/BPT	LT-42WX70/GPT	LT-42WX70/TPT	LT-42WX70EU/PP
SIGNAL P.W.B	SMX-1001A	←	←	←	←	←
SIDE P.W.B	SMX-7001A	←	←	←	←	←
CAPSENS P.W.B	SMX-7701A	←	←	←	←	←
LED P.W.B	SMX-8701A	←	←	←	←	←
MAIN POWER P.W.B	SMX-9001A	←	←	←	←	←
PFC POWER P.W.B	SMX-9501A	←	←	←	←	←
AC INLET P.W.B	SMX-9801A	←	←	←	←	←
DIGITAL P.W.B	SMX-0D001A	←	←	←	←	←
REMOTE CONTROL UNIT	RM-C2420-1C	RM-C2410-1C	←	←	RM-C2420-1C	RM-C2400-1C

EXPLODED VIEW PARTS LIST -1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	LV1	WJW0116-001A-E	DIGITAL(LVDS) CABLE	DIGITAL PWB CN5101-T-CON PWB	
	LV2	WJW0117-001A-E	DIGITAL(LVDS) CABLE	DIGITAL PWB CN5102-T-CON PWB	
⚠	3	QLD0602-001-JET	LCD PANEL ASSY	Inc.3A-3Z	LT-42WX70BPT
⚠	3	QLD0602-001-JMT	LCD PANEL ASSY	Inc.3A-3Z	LT-42WX70APT,LT-42WX70AUPT,LT-42WX70GPT,LT-42WX70TPT
⚠	3	QLD0602-001-JAP	LCD PANEL ASSY	Inc.3A-3Z	LT-42WX70EUPP
⚠	3A	AU-55.42T06.C04	T-CON PWB		
⚠	3B	QAL1187-001	LCD INVERTER-2	2pcs in 1set	
⚠	3C	QAL1186-001	LCD INVERTER-1		
⚠	3D	LC13681-001A	FRONT PANEL		
	3E	LC13688-001B	CENTER FRAME		
	3F	QZW0399-002	WIRE CLAMP	(x7)	
	3G	LC13690-001B	TERMINAL BASE		
	3H	QNB0081-001	HEX SCREW	(x2)	
	3J	QNB0081-001	HEX SCREW	(x2)	
	3K	QNB0339-001	SPEAKER TERMINAL	(x2)	
	3L	LC43211-001A	CONNECTOR ASSY	RGB	
	3M	LC43212-001A	CONNECTOR ASSY	RS-232C	
	3N	QQR0490-001	NOISE FILTER		
	3P	WJJ1032-001A-E	WIRE		
	3Q	WJJ1031-002A-E	WIRE		
	3R	WJJ1031-001A-E	WIRE		
	3S	WJJ1032-002A-E	WIRE		
	3T	WJJ1034-001A-E	WIRE		
	3U	WJJ1033-001A-E	WIRE		
	3V	LC34584-001A	VESA BRACKET	(x4)	
	3W	QYSPSPD3008MA	SCREW	M3 x 8mm(x5)	
	3X	QYSPSPD3008MA	SCREW	M3 x 8mm(x8)	
	3Y	LC13710-001A	SLIDE BRACKET		
	3Z	LC13710-002A	SLIDE BRACKET		
	16	LC43189-002A-C	STAND UNIT	Inc.16A-16C	
	16A	LC43235-001A-C	LOCK SCREW		
	16B	LC43223-001A-C	SWIVEL BRACKET		
	16C	LC43224-001A-C	ANGLE BRACKET		
⚠	50	LC13686-001A-C	REAR COVER	RIGHT	LT-42WX70APT,LT-42WX70AUPT,LT-42WX70GPT,LT-42WX70TPT
⚠	50	LC13686-001B-C	REAR COVER	RIGHT	LT-42WX70BPT,LT-42WX70EUPP
⚠	51	LC13685-002A-C	REAR COVER	LEFT	LT-42WX70APT,LT-42WX70AUPT,LT-42WX70GPT,LT-42WX70TPT
⚠	51	LC13685-002B-C	REAR COVER	LEFT	LT-42WX70BPT,LT-42WX70EUPP
	52	LC22717-001A-C	TERMINAL COVER	RIGHT	
	53	LC22716-001A-C	TERMINAL COVER	LEFT	
	54	LC43191-002A-C	SPECIAL SCREW	(x4)	
	55	LC34651-002A	HEAT PROTECT SHEET		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70EUPP,LT-42WX70GPT,LT-42WX70TPT
	55	LC34684-001A-H	HEAT PROTECT SHEET		LT-42WX70BPT
	56	LC34652-001A	CU SHEET		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70GPT,LT-42WX70TPT
	56	LC34679-001A-C	CU SHEET		LT-42WX70BPT,LT-42WX70EUPP
	57	LC34582-001A-C	HDMI COVER		
	58	LC43222-001A	HDMI LABEL		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70GPT,LT-42WX70TPT
	58	LC43247-001A-H	HDMI LABEL		LT-42WX70BPT
	58	LC43222-001A-L	HDMI LABEL		LT-42WX70EUPP
	59	LC34128-019A-C	SOFT GASKET		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	59	LC34127-019A	SOFT GASKET		LT-42WX70EUPP
	60	LC22729-001A-C	HEAT SINK		
	61	LC43225-004A-C	COOLING SHEET		
	62	LC43225-003A-C	COOLING SHEET		
	63	LC43225-001A-C	COOLING SHEET		
	64	QZW0104-003	WIRE CLAMP		
	67	QUQL05-4009AA-E	FFC WIRE	DIGITAL PWB CN7903-SIGNAL PWB CN0001	
	68	WJJ1044-001B-E	WIRE	SIGNAL PWB CN0004-SPEAKER	
	69	LC33458-017A	SOFT GASKET		LT-42WX70APT,LT-42WX70EUPP,LT-42WX70GPT
	69	LC33848-017A-C	SOFT GASKET		LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70TPT
	70	LC34128-018A-C	SOFT GASKET		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	70	LC34127-018A	SOFT GASKET		LT-42WX70EUPP
	71	LC13671-002A-C	INSULATOR		
	72	WJJ1042-001A-E	WIRE	PFC POWER PWB CN9102-MAIN POWER PWB CN9001	
	73	QJJ069-060601-E	WIRE	PFC POWER PWB CN9103-MAIN POWER PWB CN9002	
	74	LC34608-001A-C	SPEAKER BRACKET	(x2)	
	75	WJJ0943-001A-E	WIRE	PFC POWER PWB CN9010-AC INLET PWB CN9011	
	76	LC33458-067A	SOFT GASKET		
	77	LC33458-019A	SOFT GASKET		LT-42WX70APT,LT-42WX70EUPP,LT-42WX70GPT,LT-42WX70TPT
	77	LC33848-019A-C	SOFT GASKET		LT-42WX70AUPT,LT-42WX70BPT
	78	LC34635-001A	WARNING LABEL		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70GPT,LT-42WX70TPT
	78	LC34681-001A-H	WARNING LABEL		LT-42WX70BPT
	78	LC34642-001A-L	WARNING LABEL		LT-42WX70EUPP
	79	QYSBSFG3014MA	TAP SCREW	M3 x 14mm(x4)	
	80	QYSBSFG3014MA	TAP SCREW	M3 x 14mm(x4)	
	81	LC34011-043A	STICK SHEET	(x2)	LT-42WX70APT,LT-42WX70AUPT,LT-42WX70GPT,LT-42WX70TPT
	81	GG30009-048A-H	STICK SHEET	(x2)	LT-42WX70BPT
	81	LC34485-016A	STICK SHEET	(x2)	LT-42WX70EUPP
	82	LC34128-021A-C	SOFT GASKET	(x2)	LT-42WX70TPT
	83	LC13684-002A-C	TOP SHEET		
	84	QYSPSPD3020MA	SCREW	M3 x 20mm(x2)	
	85	LC43228-001A	EARTH STRAP		
	86	WJW0118-001A-E	WIRE	DIGITAL PWB CN8501-SIDE PWB CN1001	
	87	LC34581-001A-C	LED LENS		
	88	WJJ1046-001A-E	WIRE	SIGNAL PWB CN0006-RS232C TERMINAL	
	89	WJJ1057-001A-E	WIRE	SIGNAL PWB CN0005-CAPSENS PWB CN7701	
	90	QQR0490-001	NOISE FILTER		
	91	WJZ0350-001A-E	WIRE	MAIN POWER PWB CN9005-DIGITAL PWB CN9101	

⚠	Ref.No.	Part No.	Part Name	Description	Local
	92	LC33458-019A	SOFT GASKET		LT-42WX70APT,LT-42WX70EUPP,LT-42WX70GPT,LT-42WX70TPT
	92	LC33848-019A-C	SOFT GASKET		LT-42WX70AUPT,LT-42WX70BPT
	93	QYSBSFG3014MA	TAP SCREW	M3 x 14mm(x2)	
	94	QYSPSPD3006ZA	SCREW	M3 x 6mm	
	95	LC33458-075A	SOFT GASKET		LT-42WX70TPT
	96	LC34128-006A-C	SOFT GASKET		LT-42WX70TPT
	97	LC33965-018A	ALUMINUM TAPE		LT-42WX70TPT
	98	LC34128-020A-C	SOFT GASKET		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70GPT
	98	LC34128-022A-C	SOFT GASKET		LT-42WX70BPT,LT-42WX70TPT
	98	LC34127-022A	SOFT GASKET		LT-42WX70EUPP
	99	LC43225-006A-C	COOLING SHEET		
	100	LC43225-005A-C	COOLING SHEET		
	101	LC42976-004A	SPACER		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70GPT,LT-42WX70TPT
	102	GG30009-046A-H	STICK SHEET		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	102	LC34485-012A	STICK SHEET		LT-42WX70EUPP
	103	GG30009-047A-H	STICK SHEET		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	103	LC34485-013A	STICK SHEET		LT-42WX70EUPP
	104	GG40069-004A-H	W FACE TAPE		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	104	LC43232-001A	W FACE TAPE		LT-42WX70EUPP
⚠	200	SMX-9001A	MAIN POWER PWB		
⚠	202	SMX-0D001A	DIGITAL PWB		
⚠	204	SMX-8701A	LED PWB		
⚠	209	SMX-7701A	CAPSENS PWB		
⚠	212	SMX-1001A	SIGNAL PWB		
⚠	215	SMX-9801A	AC INLET PWB		
⚠	225	SMX-9501A	PFC POWER PWB		
⚠	226	SMX-7001A	SIDE PWB		

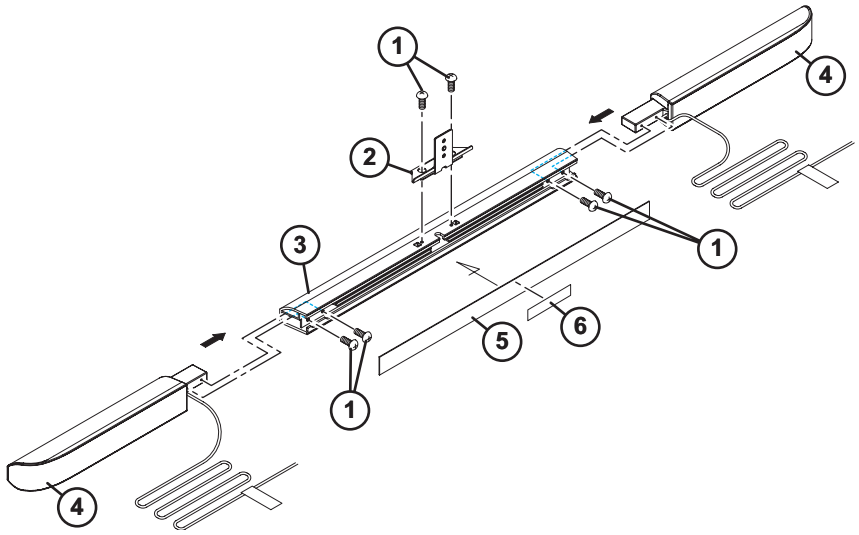
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	QYSBSFG3014MA	TAP SCREW	M3 x 14mm(x6)	
	2	LC34616-001A-C	JOINT BRACKET		
	3	LC13719-002A-C	CONN ROD		
	4	LC43206-001A-C	SPEAKER UNIT	(x2)	
	5	LC22734-001A-C	REAR SHEET		
	6	LC43226-001A	SPEAKER LABEL		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70GPT,LT-42WX70TPT
	6	LC43248-001B-H	SPEAKER LABEL		LT-42WX70BPT
	6	LC43226-001A-L	SPEAKER LABEL		LT-42WX70EUPP

EXPLODED VIEW -2



PRINTED WIRING BOARD PARTS LIST

SIGNAL P.W. BOARD ASS'Y(SMX-1001A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	STA333BW-X	IC		
IC6201	MM3272FN-X	IC		
IC6202	74LVC1G125GW-X	IC		
IC6203	R2S15901SP-X	IC		
IC6301	74HC4052D-X	IC		
IC6302	74HC4052D-X	IC		
IC6401	AK5358AET-X	IC		
IC6402	MC4558CP-X	IC		
IC7001	ICL3221CAZ-X	IC		
IC8001	M62320GP1-X	IC		
IC9001	SI-8005Q-X	IC		
IC9101	LV5805ML-X	IC		
IC9201	MM1663DH-X	IC		
Q6002	2SC3928A/QR/-X	TRANSISTOR		
Q6003	RT1N441C-X	TRANSISTOR		
Q6201	2SC3928A/QR/-X	TRANSISTOR		
Q6202	2SC3928A/QR/-X	TRANSISTOR		
Q7001	RT1N441C-X	TRANSISTOR		
Q9001	2SC3928A/QR/-X	TRANSISTOR		
Q9002	UN2213-X	DIGI TRANSISTOR		
Q9101	2SC3928A/QR/-X	TRANSISTOR		
Q9102	UN2212-X	DIGI TRANSISTOR		
Q9103	UN2212-X	DIGI TRANSISTOR		
D6401	MA8100/M/-X	Z DIODE		
D6402	MA8100/M/-X	Z DIODE		
D7001	MA8120-X	Z DIODE		
D7002	MA8120-X	Z DIODE		
D7003	MA8120-X	Z DIODE		
D7004	MA8120-X	Z DIODE		
D9001	EC30HA04-X	SB DIODE		
D9002	EC30HA04-X	SB DIODE		
D9004	KDZ16B-X	Z DIODE		
D9005	MA111-X	SI DIODE		
D9006	MA111-X	SI DIODE		
D9007	MA111-X	SI DIODE		
D9101	EC30HA03L-X	SB DIODE		
D9102	KDZ6.8B-X	Z DIODE		
D9103	MA111-X	SI DIODE		
D9104	MA8100/M/-X	Z DIODE		
C4003	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K	
C4004	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K	
C6004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6005	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6006	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6007	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6008	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6010	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C6011	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6013	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6016	NEHQ1EM-477X	E CAPACITOR	470uF 25V M	
C6019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6020	NCB21EK-105X	C CAPACITOR	1uF 25V K	
C6021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6022	NCB21EK-105X	C CAPACITOR	1uF 25V K	
C6023	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6024	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C6025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6026	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6030	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6031	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6033	NCB21EK-474X	C CAPACITOR	0.47uF 25V K	
C6034	NCB21EK-474X	C CAPACITOR	0.47uF 25V K	
C6035	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6036	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6037	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6203	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C6204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6206	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C6207	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6208	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6301	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6303	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6405	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6406	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6407	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C6408	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6409	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6410	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6412	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6415	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C6416	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6417	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6418	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
C6419	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
C7001	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7006	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C8001	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
C8002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9001	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C9002	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K	
C9003	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C9006	NDC31HJ-821X	C CAPACITOR	820pF 50V J	
C9007	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K	
C9008	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K	
C9009	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K	
C9012	NEZ0038-227X	E CAPACITOR	220uF	
C9101	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K	
C9102	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K	
C9103	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C9104	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C9105	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C9106	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C9107	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C9108	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C9109	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C9201	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C9202	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C9204	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C9205	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
R4001	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R4002	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6002	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6007	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6011	NRSA63J-3R3X	MG RESISTOR	3.3Ω 1/16W J	
R6016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6021	NRSA63J-3R3X	MG RESISTOR	3.3Ω 1/16W J	
R6024	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6025	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6026	NRSA02J-6R8X	MG RESISTOR	6.8Ω 1/10W J	
R6027	NRSA02J-6R8X	MG RESISTOR	6.8Ω 1/10W J	
R6028	NRSA02J-6R8X	MG RESISTOR	6.8Ω 1/10W J	
R6029	NRSA02J-6R8X	MG RESISTOR	6.8Ω 1/10W J	
R6201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6202	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6203	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6204	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6205	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6207	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R6208	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6211	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6212	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6214	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R6303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R6304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R6305	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6306	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6307	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6308	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6401	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6402	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6408	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6409	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6410	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6418	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6421	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6422	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6423	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6425	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R6426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7002	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7008	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8009	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8015	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8105	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R8206	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9002	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9003	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9006	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9007	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9008	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R9009	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R9010	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9011	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9012	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9016	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9019	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9020	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J	
R9101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9102	NRSA02J-100X	MG RESISTOR	10Ω 1/10W J	
R9103	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9105	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R9106	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R9107	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9110	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9201	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
L6001	NQLF6EM-220X	COIL	22uH M	
L6002	NQLF6EM-220X	COIL	22uH M	
L6003	NQLF6EM-220X	COIL	22uH M	
L6004	NQLF6EM-220X	COIL	22uH M	
L9001	NQLF3EM-220X	COIL	22uH M	
L9002	NQLF6EM-100X	COIL	10uH M	
L9101	NQLF6EM-100X	COIL	10uH M	
L9102	NQLF6EM-100X	COIL	10uH M	
CN0001	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)	
J4001	QNS0267-001	3.5 JACK	AUDIO IN	
K6001	NQR0499-002X	FERRITE BEADS		
K6002	NQR0499-002X	FERRITE BEADS		
K6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	

⚠Ref No.	Part No.	Part Name	Description	Local
K6012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6016	NQR0499-002X	FERRITE BEADS		
K6017	NQR0499-002X	FERRITE BEADS		
K6018	NQR0499-002X	FERRITE BEADS		
K6019	NQR0499-002X	FERRITE BEADS		
K6020	NQR0499-002X	FERRITE BEADS		
K6021	NQR0499-002X	FERRITE BEADS		
K6401	NQR0499-002X	FERRITE BEADS		
K6402	NQR0499-002X	FERRITE BEADS		
K6403	NQR0499-002X	FERRITE BEADS		
K9001	NQR0499-002X	FERRITE BEADS		
K9201	NQR0499-002X	FERRITE BEADS		
X6401	NAX1029-001X	CXO	12.2880MHz	

SIDE P.W. BOARD ASS'Y (SMX-7001A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1001	PS121QFN48G	IC		
IC1002	M24C02-WDW6-X	IC		
Q1001	RT1P441C-X	DIGI TRANSISTOR		
Q1002	2SC3928A/QR/-X	TRANSISTOR		
D1005	MA111-X	SI DIODE		
D1006	MA111-X	SI DIODE		
C1001	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1002	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1007	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1010	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1011	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1013	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1016	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C1017	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C1018	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C1019	NCB11AK-106X	C CAPACITOR	10uF 10V K	
R1003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R1004	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1009	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R1013	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1014	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1019	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R1020	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R1029	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R1030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R1031	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R1032	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
J1001	NNZ0226-001X	HDMI CONNECTOR	INPUT-1	

CAPSENS P.W. BOARD ASS'Y (SMX-7701A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC7701	----------	IC	Not supply	
D7701	MA8043/L/-X	Z DIODE		
D7703	MA111-X	SI DIODE		
C7701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7702	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7703	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7706	NEHM0JM-476X	E CAPACITOR	47uF 6.3V M	
R7701	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R7702	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7703	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R7704	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R7705	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R7706	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R7707	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R7708	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7711	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7712	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R7713	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R7714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7718	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7720	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7723	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R7724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
BZ7701	NAN0005-001X	BUZZER		
K7701	NQR0599-003X	FERRITE BEADS		

LED P.W. BOARD ASS'Y (SMX-8701A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8751	S9648-100	PHOTO CONDUCTOR		
IC8752	GP1UE281RKC1	IR DETECT UNIT		
Q8705	RT1P440C-X	DIGI TRANSISTOR		
Q8709	RT1N241C-X	DIGI TRANSISTOR		
D8702	SLR343BC7T-T	LED	POWER	
D8706	UDZW6.8B-X	Z DIODE		
D8707	UDZW6.8B-X	Z DIODE		
C8751	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C8752	NCJ41CM-226X-U	C CAPACITOR	22uF 16V M	
R8714	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R8717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8751	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
R8752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8753	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R8754	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R8755	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

MAIN POWER P.W. BOARD ASS'Y (SMX-9001A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9551	SSC9500	IC		
IC9601	TL431/A/-T	IC		
IC9702	SIC413CB-X	IC		
IC9731	LV5805ML-X	IC		
IC9811	S393-X	IC		
Q9551	TK10A60D	POWER MOS FET		
Q9552	TK10A60D	POWER MOS FET		
Q9701	2SC3928A/QR/-X	TRANSISTOR		
Q9801	2SC3928A/QR/-X	TRANSISTOR		
Q9811	2SK1830-X	MOS FET		
D9561	EC30HA04-X	SB DIODE		
D9562	EC30HA04-X	SB DIODE		
D9563	D1FK60-X	SI DIODE		
D9564	KDZ15B-X	Z DIODE		
D9565	KDZ15B-X	Z DIODE		
D9566	KDZ30B-X	Z DIODE		
D9601	FCHS20A08	SB DIODE		
D9603	FCHS20A08	SB DIODE		
D9703	MA111-X	SI DIODE		
D9731	EC30HA03L-X	SB DIODE		
D9801	MA111-X	SI DIODE		
D9802	MA8030/H/-X	Z DIODE		
D9811	MA111-X	SI DIODE		
D9812	MA111-X	SI DIODE		
C9521	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9522	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9525	QFZ0248-563	MPP CAPACITOR	0.056uF	
C9556	NDC31HJ-471X	C CAPACITOR	470pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C9557	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C9558	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9559	NCB21HK-334X	C CAPACITOR	0.33uF 50V K	
C9560	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C9563	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C9564	QECV1HM-476	E CAPACITOR	47uF 50V M	
C9566	QCZ0122-221	C CAPACITOR	220pF 2kV K	
C9567	QCZ0122-221	C CAPACITOR	220pF 2kV K	
C9568	QFZ0248-133	MPP CAPACITOR	0.013uF	
C9571	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9572	QCZ0337-151Z	C CAPACITOR	150pF	
C9573	QCZ0337-150Z	C CAPACITOR	15pF	
C9574	QCZ0337-150Z	C CAPACITOR	15pF	
C9576	NCB21HK-224X	C CAPACITOR	0.22uF 50V K	
C9577	QCZ0325-471	C CAPACITOR	470pF 2kV K	
C9578	NCB41EK-475X	C CAPACITOR	4.7uF 25V K	
C9579	NCB41EK-475X	C CAPACITOR	4.7uF 25V K	
C9601	QEZ0916-567	E CAPACITOR	560uF	
C9602	QEZ0916-567	E CAPACITOR	560uF	
C9603	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9604	QEZ0916-567	E CAPACITOR	560uF	
C9605	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9606	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9607	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9608	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9610	QECV1EM-227	E CAPACITOR	220uF 25V M	
C9651	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9656	QEZ0916-567	E CAPACITOR	560uF	
C9657	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9707	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
C9708	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
C9709	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
C9710	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9711	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K	
C9712	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K	
C9713	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9714	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9717	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9718	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C9719	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C9721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9722	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9731	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
C9732	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
C9733	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C9734	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
C9735	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
C9736	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
C9737	NCB21CK-104X	C CAPACITOR	0.1uF 16V K	
C9738	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C9740	NCB21EK-223X	C CAPACITOR	0.022uF 25V K	
C9801	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C9811	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9812	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9813	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9816	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C9851	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9852	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9853	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9854	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9855	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9856	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9857	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R9552	NRS144J-104X	MG RESISTOR	100kΩ 1/4W J	
R9553	NRS12BJ-150W	MG RESISTOR	15Ω 1/2W J	
R9554	NRS12BJ-100W	MG RESISTOR	10Ω 1/2W J	
R9555	NRS144J-104X	MG RESISTOR	100kΩ 1/4W J	
R9556	NRS12BJ-150W	MG RESISTOR	15Ω 1/2W J	
R9557	NRS12BJ-100W	MG RESISTOR	10Ω 1/2W J	
R9558	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9560	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R9561	NRS12BJ-330W	MG RESISTOR	33Ω 1/2W J	
R9563	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R9565	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R9566	NRS181J-105X	MG RESISTOR	1MΩ 1/8W J	
R9567	NRS181J-105X	MG RESISTOR	1MΩ 1/8W J	
R9568	NRS181J-105X	MG RESISTOR	1MΩ 1/8W J	
R9569	NRSA02D-153X	MG RESISTOR	15kΩ 1/10W D	
R9570	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9604	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9605	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R9606	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R9607	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R9608	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9609	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R9701	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9702	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9703	NRSA02J-4R7X	MG RESISTOR	4.7Ω 1/10W J	
R9704	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R9705	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	
R9706	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R9707	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R9708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9709	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9710	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9731	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9732	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9733	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R9734	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9735	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9736	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9738	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9739	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9740	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J	
R9741	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	
R9742	NRSA02J-105X	MG RESISTOR	1MΩ 1/10W J	
R9801	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9803	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9811	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R9812	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R9813	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9814	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R9815	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R9816	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9817	NRSA63D-333X	MG RESISTOR	33kΩ 1/16W D	
R9818	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9819	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9820	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R9821	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9822	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L9552	NQLF3EM-100X	COIL	10uH M	
L9602	NQLF3EM-100X	COIL	10uH M	
L9702	NQLF3EN-6R8X	COIL	6.8uH N	
L9731	NQLF3EM-100X	COIL	10uH M	
⚠T9501	QQS0442-001	SW TRANSF		
⚠CP9601	QMFZ065-5R0Z-J8	FUSE	5A	
⚠CP9602	QMFZ065-5R0Z-J8	FUSE	5A	
⚠CP9603	QMFZ065-5R0Z-J8	FUSE	5A	
K9651	NQR0499-001X	FERRITE BEADS		
K9701	NQR0413-003X	FERRITE BEADS		
K9702	NQR0413-003X	FERRITE BEADS		
K9703	NQR0413-003X	FERRITE BEADS		
⚠PC9505	PS2581AL2/QW/-W	PHOTO COUPLER		
TH9811	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
TH9812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
TH9813	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
TH9814	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

PFC POWER P.W. BOARD ASS'Y (SMX-9501A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9201	MIP2F20MSSCF	IC		
IC9501	R2A20112SP-X	IC		
IC9502	MM3313AF-W	IC		
Q9022	2SC3928A/QR/-X	TRANSISTOR		
Q9501	TK15A60U	POWER MOS FET		
Q9502	TK15A60U	POWER MOS FET		
Q9503	2SA2056-X	TRANSISTOR		
Q9504	2SA2056-X	TRANSISTOR		
Q9512	RT1N241C-X	DIGI TRANSISTOR		
Q9513	RT1N241C-X	DIGI TRANSISTOR		
Q9531	RJP020N06-W	POWER MOS FET		
Q9532	2SB1188/QR/-W	TRANSISTOR		
Q9533	RT1N241C-X	DIGI TRANSISTOR		
Q9536	RT1N241C-X	DIGI TRANSISTOR		
Q9901	2SC3928A/QR/-X	TRANSISTOR		
Q9902	RT1N241C-X	DIGI TRANSISTOR		
Q9903	2SC3928A/QR/-X	TRANSISTOR		
Q9904	2SC3928A/QR/-X	TRANSISTOR		
Q9907	RT1N241C-X	DIGI TRANSISTOR		
D9001	D25XB60	BRIDGE DIODE		
D9002	D25XB60	BRIDGE DIODE		
D9022	MA111-X	SI DIODE		
D9203	EG01C-T2	SI DIODE		
D9204	SJPX-H6-W	SI DIODE		
D9205	TL431/A/-T	IC		
D9206	SJPX-H6-W	SI DIODE		
D9207	SJPX-H6-W	SI DIODE		
D9215	MA8330/M/-X	Z DIODE		
D9216	MA8150/M/-X	Z DIODE		
D9217	MA8150/M/-X	Z DIODE		
D9218	SJPX-H6-W	SI DIODE		
D9231	SJPX-H6-W	SI DIODE		
D9232	SJPX-H6-W	SI DIODE		
D9501	FMN-2206S	SI DIODE		
D9511	MA111-X	SI DIODE		
D9512	MA111-X	SI DIODE		
D9514	MA8160/M/-X	Z DIODE		
D9516	MA111-X	SI DIODE		
D9517	MA8091/M/-X	Z DIODE		
D9518	KDZ30B-X	Z DIODE		
D9519	MA111-X	SI DIODE		
D9903	MA111-X	SI DIODE		
⚠C9001	QFZ9086-334	MPP CAPACITOR	0.33uF	
⚠C9003	QFZ9086-334	MPP CAPACITOR	0.33uF	
⚠C9004	QFZ9086-105	MPP CAPACITOR	1uF	
⚠C9012	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
⚠C9015	QCZ9071-222	C CAPACITOR	2200pF AC400V M	
C9205	QFP32JK-222	PP CAPACITOR	2200pF 630V K	
C9206	NEHM1HM-105X	E CAPACITOR	1uF 50V M	
C9207	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9208	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9210	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9211	QECP1CM-687	E CAPACITOR	680uF 16V M	
C9219	QECV1HM-107	E CAPACITOR	100uF 50V M	
C9501	QFZ0249-105	MPP CAPACITOR	1uF	
C9502	QFZ0249-105	MPP CAPACITOR	1uF	
C9504	QFZ0248-563	MPP CAPACITOR	0.056uF	
C9505	QCZ0340-151	C CAPACITOR	150pF 2kV K	
C9506	QCZ0340-151	C CAPACITOR	150pF 2kV K	
C9508	QEZ0915-396	E CAPACITOR	39uF	
C9509	QEZ0915-396	E CAPACITOR	39uF	
C9510	NCB21EK-105X	C CAPACITOR	1uF 25V K	
C9511	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C9512	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9513	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
C9514	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C9515	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C9516	QECV1HM-476	E CAPACITOR	47uF 50V M	
C9518	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9520	QEZ0915-396	E CAPACITOR	39uF	
C9521	QEZ0915-396	E CAPACITOR	39uF	
C9522	QEZ0915-396	E CAPACITOR	39uF	
C9524	NCB11HK-474X	C CAPACITOR	0.47uF 50V K	
C9525	NCB11HK-474X	C CAPACITOR	0.47uF 50V K	
C9528	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9529	QCZ0340-151	C CAPACITOR	150pF 2kV K	
C9530	QCZ0340-151	C CAPACITOR	150pF 2kV K	
C9531	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C9542	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9543	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9544	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9545	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
⚠R9001	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K	
R9023	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9024	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9205	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J	
R9206	NRS12BJ-101W	MG RESISTOR	100Ω 1/2W J	
R9207	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R9208	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
⚠R9209	QRZ9046-335Z	C RESISTOR	3.3MΩ 1/2W K	
R9210	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R9211	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9213	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9214	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R9215	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
⚠R9217	QRZ9046-335Z	C RESISTOR	3.3MΩ 1/2W K	
R9221	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R9231	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J	
R9232	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J	
R9233	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J	
R9234	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J	
R9235	NRSA02J-105X	MG RESISTOR	1MΩ 1/10W J	
R9501	NRS016F-R100X	MG RESISTOR	0.1Ω 1W F	
R9502	NRS016F-R100X	MG RESISTOR	0.1Ω 1W F	
R9503	NRS12BJ-2R2W	MG RESISTOR	2.2Ω 1/2W J	
R9504	NRS144J-473X	MG RESISTOR	47kΩ 1/4W J	
R9505	NRS12BJ-2R2W	MG RESISTOR	2.2Ω 1/2W J	
R9506	NRS144J-473X	MG RESISTOR	47kΩ 1/4W J	
R9507	NRS12BJ-101W	MG RESISTOR	100Ω 1/2W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R9508	NRS12BJ-101W	MG RESISTOR	100Ω 1/2W J	
R9509	NRS12BJ-470W	MG RESISTOR	47Ω 1/2W J	
R9510	NRS12BJ-470W	MG RESISTOR	47Ω 1/2W J	
R9511	NRSA02J-333X	MG RESISTOR	33kΩ 1/10W J	
R9512	NRSA02J-333X	MG RESISTOR	33kΩ 1/10W J	
R9513	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D	
R9514	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R9515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9517	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9519	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9521	NRVA02D-334X	CMF RESISTOR	330kΩ 1/10W D	
R9522	NRVA02D-334X	CMF RESISTOR	330kΩ 1/10W D	
R9523	NRVA02D-334X	CMF RESISTOR	330kΩ 1/10W D	
R9524	NRVA02D-334X	CMF RESISTOR	330kΩ 1/10W D	
R9525	NRVA02D-334X	CMF RESISTOR	330kΩ 1/10W D	
R9526	NRSA63D-561X	MG RESISTOR	560Ω 1/16W D	
R9531	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R9532	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9533	NRSA02J-562X	MG RESISTOR	5.6kΩ 1/10W J	
R9534	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9535	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9538	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J	
R9539	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J	
R9540	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9547	NRVA02D-564X	CMF RESISTOR	560kΩ 1/10W D	
R9548	NRVA02D-564X	CMF RESISTOR	560kΩ 1/10W D	
R9549	NRVA02D-564X	CMF RESISTOR	560kΩ 1/10W D	
R9550	NRSA63D-163X	MG RESISTOR	16kΩ 1/16W D	
R9551	NRS016F-R100X	MG RESISTOR	0.1Ω 1W F	
R9552	NRS016F-R100X	MG RESISTOR	0.1Ω 1W F	
R9554	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9555	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9557	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R9558	NRVA02D-564X	CMF RESISTOR	560kΩ 1/10W D	
R9559	NRVA02D-564X	CMF RESISTOR	560kΩ 1/10W D	
R9560	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R9561	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9562	NRSA02J-563X	MG RESISTOR	56kΩ 1/10W J	
R9563	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9564	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9901	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9905	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9906	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9907	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9908	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9909	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9911	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
⚠L9501	QQR1862-001	CHOKE COIL		
⚠L9502	QQR1862-001	CHOKE COIL		
⚠T9201	QQS0443-001	SW TRANSF		
⚠CP9201	QMFZ052-2R0Z-E	FUSE	2A	
⚠CP9501	QMFZ065-5R0Z-J8	FUSE	5A	
K9501	QQR0621-002Z	FERRITE BEADS		
K9502	QQR0621-002Z	FERRITE BEADS		
⚠LF9001	QQR1863-001	LINE FILTER		
⚠LF9002	QQR1863-001	LINE FILTER		
⚠LF9003	QQR1863-001	LINE FILTER		
⚠PC9202	PS2581AL2/QW/-W	PHOTO COUPLER		
⚠PC9531	PS2581AL2/QW/-W	PHOTO COUPLER		
⚠PC9532	PS2581AL2/QW/-W	PHOTO COUPLER		
⚠PC9533	PS2581AL2/QW/-W	PHOTO COUPLER		
⚠PC9534	PS2581AL2/QW/-W	PHOTO COUPLER		
⚠RY9002	QSK0202-001	RELAY		
⚠SG9003	QAF0089-302Z	SURGE ABSORBER	3000V	
⚠SG9004	QAF0089-302Z	SURGE ABSORBER	3000V	
TH9001	QAD0174-250	P THERMISTOR	25Ω	
TH9551	NAD0047-471X	P THERMISTOR	470Ω	
TH9552	NAD0047-471X	P THERMISTOR	470Ω	
⚠VA9001	QAF0060-621	VARISTOR	620V	

AC INLET P.W. BOARD ASS'Y (SMX-9801A)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠C9101	QCZ9071-471	C CAPACITOR	470pF AC400V K	
⚠F9011	QMF5AD2-6R3-J1	FUSE	6.3A AC250V	
⚠J9011	QNC0120-001	AC INLET		
⚠SW9011	QSW1272-001	SEESAW SWITCH	POWER	

DIGITAL P.W. BOARD ASS'Y (SMX-0D001A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC3001	ADV7800BSTZ1503	IC		
IC3002	M13S128168A-6TG	IC		
IC3003	SC2596SE-X	IC		
IC3004	S-80928CLNB-G-W	IC		
IC3009	S-1170B18UC-W	IC		
IC5001	JCC5070	IC		
IC5002	EDD1232ACBH-5B	IC		
IC5003	EDD1232ACBH-5B	IC		
IC5121	THC63LVD1023B	IC		
IC5141	THC63LVD1023B	IC		
IC6001	JCC5071	IC		
IC6101	V59C1256164QAF3	IC		
IC6102	V59C1256164QAF3	IC		
IC6103	SC2596SE-X	IC		
IC6901	S-80928CLNB-G-W	IC		
IC7301	MN103SB20RGL	IC(MCU)		
IC7302	----------	IC(MICRO C ROM)		Not supply
IC7303	IC-PST8428U-W	IC		
IC7304	ATF16-42WX70	IC		(SERVICE)
IC7401	HY57V641620FTPH	IC		
IC9101	THV1023-X	IC		
IC9102	THV1021-X	IC		
IC9103	TPCA8107-H-X	POWER MOS FET		
IC9104	LV5805ML-X	IC		
IC9105	MM1665XH-X	IC		
IC9106	TPCA8107-H-X	POWER MOS FET		
IC9107	TPCA8107-H-X	POWER MOS FET		
IC9108	MM1701FH-X	IC		
IC9109	MM1662FH-X	IC		
IC9111	74LVC1G17GW-X	IC		
IC9112	TPCA8107-H-X	POWER MOS FET		
Q3001	INK0001AC1-X	MOS FET		
Q3002	INK0001AC1-X	MOS FET		
Q5201	RT1N441C-X	TRANSISTOR		
Q7301	RT1P441C-X	DIGI TRANSISTOR		
Q7302	RT1P441C-X	DIGI TRANSISTOR		
Q7303	RT1P441C-X	DIGI TRANSISTOR		
Q9103	RT1N241C-X	DIGI TRANSISTOR		
Q9104	RT1N241C-X	DIGI TRANSISTOR		
Q9105	RT1N241C-X	DIGI TRANSISTOR		
Q9106	RT1N241C-X	DIGI TRANSISTOR		
Q9108	2SC3928A/QR/-X	TRANSISTOR		
Q9109	ISA1530AC1/QR/X	TRANSISTOR		
Q9110	2SC3928A/QR/-X	TRANSISTOR		
Q9111	RT1N241C-X	DIGI TRANSISTOR		
D3002	MA8056/M/-X	Z DIODE		
D3003	MA8056/M/-X	Z DIODE		
D3004	MA8056/M/-X	Z DIODE		
D3005	MA8056/M/-X	Z DIODE		
D3006	MA8056/M/-X	Z DIODE		
D9101	EC30HA03L-X	SB DIODE		
D9102	EC30HA03L-X	SB DIODE		
D9103	EC30HA03L-X	SB DIODE		
D9104	EC30HA03L-X	SB DIODE		
D9105	EC30HA03L-X	SB DIODE		
D9106	EC30HA03L-X	SB DIODE		
D9107	EC30HA03L-X	SB DIODE		
D9108	KDZ3.9B-X	Z DIODE		
D9109	EC30HA03L-X	SB DIODE		
D9110	RB501V-40-X	SB DIODE		
D9111	KDZ3.9B-X	Z DIODE		
D9112	KDZ3.9B-X	Z DIODE		
D9113	KDZ3.9B-X	Z DIODE		
D9114	KDZ3.9B-X	Z DIODE		
D9201	KDZ3.9B-X	Z DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	EC30HA03L-X	SB DIODE		
C3007	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C3008	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C3023	NCBA1HK-332W	C CAPACITOR	3300pF 50V K	
C3026	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C3032	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3033	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3034	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3035	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3036	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3037	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3038	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3039	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3040	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3041	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3042	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3043	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3044	NCB11AK-106X	C CAPACITOR	10uF 10V K	

⚠Ref No.	Part No.	Part Name	Description Local
C3045	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3046	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3058	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3059	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3060	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3061	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3062	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3063	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3064	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3065	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3066	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3067	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3068	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3069	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3070	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3071	NCBA1CK-473W	C CAPACITOR	0.047uF 16V K
C3073	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3074	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3075	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C3076	NDCA1HJ-120W	C CAPACITOR	12pF 50V J
C3077	NDCA1HJ-120W	C CAPACITOR	12pF 50V J
C3078	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3079	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3080	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3081	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C3082	NCBA1HK-222W	C CAPACITOR	2200pF 50V K
C3088	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3089	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3091	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3092	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3093	NEX60JM-227X	E CAPACITOR	220uF 6.3V M
C3094	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3095	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3096	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3097	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3098	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3099	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3100	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3101	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3102	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3103	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3104	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3105	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3107	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3108	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3109	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C3115	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5001	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5002	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5003	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5004	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5005	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5006	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5007	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5008	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5009	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5010	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5011	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5012	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5013	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5014	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5015	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5016	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5017	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5018	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5019	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5020	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5021	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5022	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5023	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5024	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5025	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5026	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5027	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5028	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5029	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5030	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5031	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5032	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5033	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5034	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5035	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5036	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5037	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5038	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5039	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5040	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5041	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5042	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5043	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5044	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5045	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5046	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5047	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5048	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5049	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5050	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5051	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5052	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5053	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5054	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5055	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5056	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5057	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5058	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5059	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5060	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5061	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5065	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5066	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5068	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5069	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5070	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5071	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5072	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5073	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5074	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5076	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5078	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5079	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5080	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5081	NCB11AK-106X	C CAPACITOR	10uF 10V K
C5082	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5085	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5086	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5087	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5090	NCB11AK-106X	C CAPACITOR	10uF 10V K
C5091	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5092	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5093	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5094	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5095	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5096	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5097	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5101	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5103	NCB11AK-106X	C CAPACITOR	10uF 10V K
C5107	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5108	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5121	NCB11AK-106X	C CAPACITOR	10uF 10V K
C5122	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5123	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5124	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5126	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5127	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5128	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5129	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5130	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5131	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5132	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5133	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5134	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5135	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5136	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5137	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5138	NCB11AK-106X	C CAPACITOR	10uF 10V K
C5141	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5142	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5143	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5144	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5145	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5146	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5147	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5148	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5149	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5150	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5151	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5152	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5153	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5154	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5155	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5156	NCB11AK-106X	C CAPACITOR	10uF 10V K
C5201	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5202	NCB11AK-106X	C CAPACITOR	10uF 10V K
C5203	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5204	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C5205	NCB11AK-106X	C CAPACITOR	10uF 10V K
C5206	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6001	NCB11AK-106X	C CAPACITOR	10uF 10V K

⚠Ref No.	Part No.	Part Name	Description Local
C6002	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6003	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6004	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6005	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6006	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6007	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6008	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6100	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6101	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6102	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6103	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6105	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6106	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6107	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6108	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6109	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6110	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6111	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6112	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6113	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6114	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6115	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6116	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6118	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6119	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6120	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6121	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6122	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6123	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6124	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6125	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6127	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6128	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6129	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6130	NEX60JM-227X	E CAPACITOR	220uF 6.3V M
C6131	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6132	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6140	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6141	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6142	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6143	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6144	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6145	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6146	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6147	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6148	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6150	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6151	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6152	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6153	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6154	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6155	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6156	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6157	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6159	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6160	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6161	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6162	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6163	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6164	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6165	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C6166	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6167	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6168	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6169	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6170	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6171	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6172	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6173	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6174	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6175	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6176	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6177	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6178	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6179	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6180	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6181	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6182	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6183	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6184	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6185	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6186	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6187	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6188	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6901	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6902	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6903	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K

⚠Ref No.	Part No.	Part Name	Description Local
C6904	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6906	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6907	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6908	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6909	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6910	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6911	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6912	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C6913	NCBA1EK-682W	C CAPACITOR	6800pF 25V K
C6915	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6917	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6918	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6919	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6920	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6921	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6922	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6923	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6924	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6926	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6927	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6928	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6929	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6931	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6932	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6933	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6934	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6939	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6942	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6944	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6946	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C6951	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6952	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7301	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7302	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7303	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7304	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7305	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7306	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7308	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7309	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7310	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7311	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7312	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7313	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7314	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7315	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7316	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7317	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7318	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7319	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7320	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7338	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C7339	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J
C7340	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J
C7343	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7344	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7345	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7350	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7351	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7352	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7353	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7354	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7355	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7356	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7359	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7360	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7381	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7382	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7385	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7391	NCBA1HK-102W	C CAPACITOR	1000pF 50V K
C7392	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7396	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7397	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7401	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7402	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7403	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7404	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7405	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7406	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7407	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C7408	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7959	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C9103	NDCA1HJ-331W	C CAPACITOR	330pF 50V J
C9104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9107	NCB11EK-105X	C CAPACITOR	1uF 25V K
C9110	NCB11EK-105X	C CAPACITOR	1uF 25V K
C9111	NCB21EK-103X	C CAPACITOR	0.01uF 25V K
C9112	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C9113	NCBA1HK-102W	C CAPACITOR	1000pF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
C9114	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C9115	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C9116	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C9117	NCBA1HK-682W	C CAPACITOR	6800pF 50V K
C9118	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9119	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9120	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9121	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9122	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9123	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9124	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9141	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K
C9142	NCJ11EK-106X-A	C CAPACITOR	10uF 25V K
C9143	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C9144	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C9146	NCB21AK-105X	C CAPACITOR	1uF 10V K
C9147	NCB21AK-105X	C CAPACITOR	1uF 10V K
C9150	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C9153	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9154	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9155	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9156	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9157	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9158	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9160	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9164	NCBA1HK-391W	C CAPACITOR	390pF 50V K
C9165	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C9166	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C9167	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9168	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9169	NCBA1CK-153W	C CAPACITOR	0.015uF 16V K
C9170	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C9172	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9173	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9174	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9175	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9176	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9177	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9179	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9180	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9181	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9182	NCBA1HK-391W	C CAPACITOR	390pF 50V K
C9183	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9184	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9185	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9186	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C9188	NCBA1HK-561W	C CAPACITOR	560pF 50V K
C9189	NCBA1HK-471W	C CAPACITOR	470pF 50V K
C9192	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K
C9194	NCBA1HK-471W	C CAPACITOR	470pF 50V K
C9195	NCB21EK-105X	C CAPACITOR	1uF 25V K
C9196	NCB21AK-105X	C CAPACITOR	1uF 10V K
C9197	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C9198	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K
C9200	NCB21AK-105X	C CAPACITOR	1uF 10V K
C9201	NCBA1HK-471W	C CAPACITOR	470pF 50V K
C9202	NCB21AK-105X	C CAPACITOR	1uF 10V K
C9203	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9205	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9207	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9208	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9209	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9210	NCB21EK-105X	C CAPACITOR	1uF 25V K
C9211	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9212	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9213	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9214	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9215	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9216	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9217	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9218	NCJ21EK-475X-D	C CAPACITOR	4.7uF 25V K
C9219	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9220	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9237	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9238	NCB11AK-106X	C CAPACITOR	10uF 10V K
C9239	NCB11AK-106X	C CAPACITOR	10uF 10V K
C9240	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9241	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9242	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9243	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9244	NDCA1HJ-330W	C CAPACITOR	33pF 50V J
C9246	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C9247	NCB20JK-106X	C CAPACITOR	10uF 6.3V K
C9248	NCB20JK-106X	C CAPACITOR	10uF 6.3V K
C9249	NCB20JK-106X	C CAPACITOR	10uF 6.3V K
R3001	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3002	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3003	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3004	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3005	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3006	NRSA6AJ-750W	MG RESISTOR	75Ω 1/16W J
R3007	NRSA6AJ-750W	MG RESISTOR	75Ω 1/16W J
R3008	NRSA6AJ-750W	MG RESISTOR	75Ω 1/16W J
R3009	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J
R3010	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J
R3011	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J
R3012	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J
R3022	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J
R3025	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3026	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3027	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3031	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J
R3032	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J
R3033	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3034	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3038	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3051	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3052	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3053	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3054	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3056	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J
R3057	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J
R3058	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J
R3059	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3061	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3062	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J
R3064	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J
R3065	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3066	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3067	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3071	NRSA6AJ-161W	MG RESISTOR	160Ω 1/16W J
R3072	NRSA6AJ-162W	MG RESISTOR	1.6kΩ 1/16W J
R3073	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3075	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3077	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J
R3091	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3092	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R3101	NRSA6AJ-680W	MG RESISTOR	68Ω 1/16W J
R3102	NRSA6AJ-680W	MG RESISTOR	68Ω 1/16W J
R3103	NRSA6AJ-680W	MG RESISTOR	68Ω 1/16W J
R3104	NRSA6AJ-680W	MG RESISTOR	68Ω 1/16W J
R3106	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J
R3107	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J
R3108	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J
R3109	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J
R3131	NRSA6AJ-330W	MG RESISTOR	33Ω 1/16W J
R3132	NRSA6AJ-330W	MG RESISTOR	33Ω 1/16W J
R3133	NRSA6AJ-330W	MG RESISTOR	33Ω 1/16W J
R3134	NRSA6AJ-330W	MG RESISTOR	33Ω 1/16W J
R5001	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5002	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5003	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5004	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5005	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5006	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5007	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5008	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5009	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5010	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5011	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5012	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5013	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5014	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5015	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5016	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5017	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J
R5024	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J
R5025	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J
R5026	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J
R5034	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J
R5035	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J
R5036	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J
R5101	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5102	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5103	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5104	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5105	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J
R5106	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J
R5107	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5108	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5109	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5110	NRSA6AJ-560W	MG RESISTOR	56Ω 1/16W J
R5111	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5113	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5115	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5116	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J
R5120	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description	Local
R5121	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R5122	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R5123	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5124	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5126	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5128	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5130	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5133	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5136	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5141	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R5142	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R5143	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5144	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5146	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5148	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5150	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5153	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5156	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5162	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5166	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5172	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5182	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5183	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5184	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5185	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5186	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5215	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5216	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R5218	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	
R5219	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R5220	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R6001	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6002	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6003	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6004	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6005	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6006	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6007	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6008	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6009	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6010	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6011	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6012	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R6101	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6103	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6104	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6106	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6107	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6108	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6109	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6110	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6111	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6112	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6121	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6122	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6123	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6124	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6125	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6126	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6127	NRSA6AJ-750W	MG RESISTOR	75Ω 1/16W J	
R6132	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6145	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6146	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R6903	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6905	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6907	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6908	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6909	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6910	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6911	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6912	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6913	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R6915	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R6916	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R6917	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R7301	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R7302	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R7303	NRSA6AJ-912W	MG RESISTOR	9.1kΩ 1/16W J	
R7305	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7306	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7308	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7311	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7314	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7315	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7321	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R7322	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7324	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7326	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7330	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7331	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R7332	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R7333	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R7334	NRSA6AJ-820W	MG RESISTOR	82Ω 1/16W J	
R7335	NRSA6AJ-680W	MG RESISTOR	68Ω 1/16W J	
R7336	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7337	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7338	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7339	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7341	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7343	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7344	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7345	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7346	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7348	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7351	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7353	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7354	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R7355	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R7356	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7359	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R7365	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7367	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7368	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7369	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7370	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7371	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R7372	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R7373	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7377	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7381	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R7382	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R7385	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7386	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7387	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R7388	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R7391	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R7392	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7394	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R7401	NRSA6AJ-680W	MG RESISTOR	68Ω 1/16W J	
R7439	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R7441	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R7442	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R7443	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R7445	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R7508	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R7512	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7513	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7709	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7710	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7713	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7714	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R7715	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R7716	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R7723	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7724	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7733	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R7734	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R7735	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7736	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7737	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7937	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7938	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7939	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R9101	NRSA6AD-473W	MG RESISTOR	47kΩ 1/16W D	
R9102	NRSA6AD-273W	MG RESISTOR	27kΩ 1/16W D	
R9105	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R9106	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R9109	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R9111	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R9112	NRSA6AJ-273W	MG RESISTOR	27kΩ 1/16W J	
R9114	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R9115	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R9116	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R9117	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R9120	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R9129	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R9132	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R9135	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R9136	NRSA6AD-223W	MG RESISTOR	22kΩ 1/16W D	
R9137	NRSA6AD-104W	MG RESISTOR	100kΩ 1/16W D	
R9139	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R9140	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R9141	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R9142	NRSA6AJ-273W	MG RESISTOR	27kΩ 1/16W J	
R9143	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	

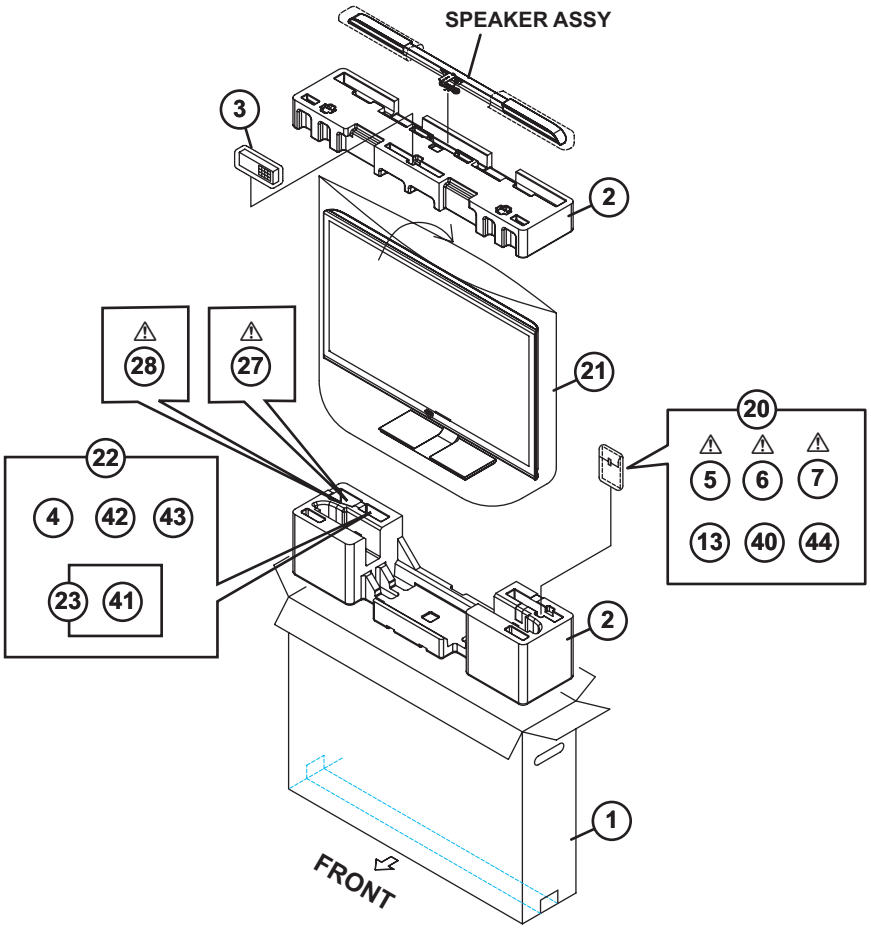
⚠Ref No.	Part No.	Part Name	Description	Local
R9144	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R9145	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R9146	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R9148	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R9149	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R9150	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R9151	NRSA6AD-203W	MG RESISTOR	20kΩ 1/16W D	
R9152	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R9153	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R9154	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R9155	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R9156	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R9157	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R9161	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R9162	NRSA6AD-332W	MG RESISTOR	3.3kΩ 1/16W D	
R9163	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R9164	NRSA6AD-473W	MG RESISTOR	47kΩ 1/16W D	
R9165	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R9166	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R9167	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R9168	NRSA6AD-822W	MG RESISTOR	8.2kΩ 1/16W D	
R9169	NRSA6AD-471W	MG RESISTOR	470Ω 1/16W D	
R9170	NRSA6AJ-202W	MG RESISTOR	2kΩ 1/16W J	
R9171	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R9175	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R9181	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R9182	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R9187	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R9188	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R9189	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R9190	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R9191	NRSA6AD-104W	MG RESISTOR	100kΩ 1/16W D	
R9192	NRSA6AJ-274W	MG RESISTOR	270kΩ 1/16W J	
R9193	NRSA6AJ-394W	MG RESISTOR	390kΩ 1/16W J	
R9194	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
R9196	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R9199	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9202	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J	
R9203	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R9204	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R9205	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R9207	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R9208	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
RA3101	NRZ0080-680X	NET RESISTOR	68Ω	
RA3102	NRZ0080-680X	NET RESISTOR	68Ω	
RA3103	NRZ0040-680X	NET RESISTOR	68Ω 1/16W J x4	
RA3104	NRZ0080-680X	NET RESISTOR	68Ω	
RA3106	NRZ0080-680X	NET RESISTOR	68Ω	
RA3107	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA3108	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA5001	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5002	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5003	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5004	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5005	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5006	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5007	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5008	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5009	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5010	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5011	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5012	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5017	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5018	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5019	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5020	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA5101	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA5102	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA5103	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA5104	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA5105	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA5106	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA5107	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA5108	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA5109	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA5110	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA5111	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA5112	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA5113	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA5114	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA5115	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA5116	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA5117	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA5118	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA5126	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5131	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5132	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5133	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5134	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5135	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5136	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5146	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5151	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5152	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5153	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5154	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5155	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA5156	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6101	NRZ0080-750X	NET RESISTOR	75Ω	
RA6102	NRZ0080-750X	NET RESISTOR	75Ω	
RA6901	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA6902	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA6903	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
RA7301	NRZ0080-820X	NET RESISTOR	82Ω	
RA7302	NRZ0034-680W	NET RESISTOR	68Ω 1/32W J x4	
RA7303	NRZ0080-680X	NET RESISTOR	68Ω	
RA7401	NRZ0080-680X	NET RESISTOR	68Ω	
RA7402	NRZ0080-820X	NET RESISTOR	82Ω	
RA7504	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA7505	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA7506	NRZ0080-222X	NET RESISTOR	2.2kΩ	
RA7507	NRZ0080-222X	NET RESISTOR	2.2kΩ	
RA7508	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA7509	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	
RA7512	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RA7702	NRZ0033-102W	NET RESISTOR	1kΩ	
RA7703	NRZ0080-102X	NET RESISTOR	1kΩ 1/16W J	
RA7704	NRZ0034-102W	NET RESISTOR	1kΩ 1/32W J x4	
RA7705	NRZ0080-102X	NET RESISTOR	1kΩ 1/16W J	
RA7706	NRZ0080-102X	NET RESISTOR	1kΩ 1/16W J	
RA7707	NRZ0080-102X	NET RESISTOR	1kΩ 1/16W J	
RA7708	NRZ0034-102W	NET RESISTOR	1kΩ 1/32W J x4	
RA7710	NRZ0033-102W	NET RESISTOR	1kΩ	
RA7711	NRZ0033-222W	NET RESISTOR	2.2kΩ	
RA7712	NRZ0033-102W	NET RESISTOR	1kΩ	
RA7713	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7714	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7715	NRZ0080-102X	NET RESISTOR	1kΩ 1/16W J	
RA7716	NRZ0080-102X	NET RESISTOR	1kΩ 1/16W J	
RA7717	NRZ0080-102X	NET RESISTOR	1kΩ 1/16W J	
RA7718	NRZ0080-102X	NET RESISTOR	1kΩ 1/16W J	
RA7719	NRZ0033-473W	NET RESISTOR	47kΩ	
RA7720	NRZ0080-102X	NET RESISTOR	1kΩ 1/16W J	
RA7901	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L3091	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3092	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3093	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3095	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3096	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3097	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3098	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L5004	NQR0499-001X	FERRITE BEADS		
L5006	NQR0499-001X	FERRITE BEADS		
L5008	NQR0499-001X	FERRITE BEADS		
L5009	NQL79GM-220X	COIL	22uH M	
L5101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L5102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L5103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L5121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L5122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6103	NQL092K-1R0X	P COIL	1uH K	
L6104	NQL092K-1R0X	P COIL	1uH K	
L6105	NQL092K-1R0X	P COIL	1uH K	
L6106	NQL092K-1R0X	P COIL	1uH K	
L6107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6902	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6903	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6904	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6906	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L9101	NQLC8CM-150X	COIL	15uH M	
L9102	NQR0562-002X	CHOKE COIL		

⚠Ref No.	Part No.	Part Name	Description	Local
L9103	NQLC8CM-150X	COIL	15uH M	
L9104	NQR0562-002X	CHOKE COIL		
L9105	NQLF3EM-100X	COIL	10uH M	
L9106	NQLF3EM-100X	COIL	10uH M	
L9107	NQR0413-001X	FERRITE BEADS		
L9108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
L9201	NQLF3EM-100X	COIL	10uH M	
CN7903	QGF0508F4-40X	CONNECTOR	FFC/FPC (1-40)	
GN7901	NNZ0094-001X	EARTH TERMINAL		
GN7902	NNZ0094-001X	EARTH TERMINAL		
GN7903	NNZ0094-001X	EARTH TERMINAL		
GN7904	NNZ0094-001X	EARTH TERMINAL		
GN7905	NNZ0094-001X	EARTH TERMINAL		
GN7906	NNZ0094-001X	EARTH TERMINAL		
GN7907	NNZ0094-001X	EARTH TERMINAL		
J8902	NNZ0226-001X	HDMI CONNECTOR	INPUT-2	
J8903	NNZ0226-001X	HDMI CONNECTOR	INPUT-3	
K5201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K5203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6903	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6905	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6907	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6909	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7911	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7912	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7913	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9101	NQR0413-001X	FERRITE BEADS		
K9102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9103	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9105	NQR0499-002X	FERRITE BEADS		
K9201	NRSA63J-0R0X-T	MG RESISTOR	0Ω 1/16W J	
LC5171	NQR0628-002X	EMI FILTER		
LC5172	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC7901	NQR0628-001X	EMI FILTER		
LC7902	NQR0628-001X	EMI FILTER		
LC7903	NQR0628-001X	EMI FILTER		
LC7904	NQR0628-001X	EMI FILTER		
LC7906	NQR0628-001X	EMI FILTER		
LC7907	NQR0628-001X	EMI FILTER		
LC9102	NQR0450-001X	EMI FILTER	0.022uF 50V M	
LC9121	NQR0415-006X	EMI FILTER		
LC9122	NQR0415-006X	EMI FILTER		
LC9125	NQR0415-006X	EMI FILTER		
LC9127	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC9128	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC9129	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC9132	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC9133	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC9134	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC9135	NQR0415-005X	EMI FILTER	0.1uF 25V M	
X3001	NAX0937-001X	CRYSTAL	28.63636MHz	
X5101	NAX0958-001X	CXO	74.1758MHz	
X6903	NAX0580-002X	CXO	27.000MHz	
X7301	NAX0813-001X	CRYSTAL	10.000MHz	

REMOTE CONTROL UNIT PARTS LIST (RM-C2420-1C, RM-C2410-1C, RM-C2400-1C)

⚠ Ref.No.	Part No.	Part Name	Description	Local
	59005-0003450	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC13727-001B-H	PACKING CASE		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	1	----------	PACKING CASE	Not supply	LT-42WX70EUPP
	2	LC13728-001A-H	CUSHION ASSY	2pcs in 1set	LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	2	----------	CUSHION ASSY	Not supply	LT-42WX70EUPP
	3	RM-C2420-1C	REMOTE CONTROL UNIT		LT-42WX70APT,LT-42WX70TPT
	3	RM-C2410-1C	REMOTE CONTROL UNIT		LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT
	3	RM-C2400-1C	REMOTE CONTROL UNIT		LT-42WX70EUPP
	4	----------	BATTERY	AAA/R03(x2)	
⚠	5	LCT2542-001A-H	INST BOOK	English/French/Spanish	LT-42WX70APT
⚠	5	LCT2545-001A-H	INST BOOK	English	LT-42WX70AUPT
⚠	5	LCT2534-001A-L	INST BOOK	English/French/German/Italian/Dutch	LT-42WX70EUPP
⚠	5	LCT2548-001A-H	INST BOOK	English/Chinese Traditional	LT-42WX70TPT
⚠	6	LCT2544-001A-H	INST BOOK	English/Thailand	LT-42WX70BPT
⚠	6	LCT2535-001A-L	INST BOOK	Russian/Ukrainian/Polish/Hungarian/Rumanian/Bulgarian/Czech/English/German	LT-42WX70EUPP
⚠	7	LCT2546-001A-L	INST BOOK	Spanish/Portuguese/Finnish/Norwegian/Swedish/Danish/English/German	LT-42WX70EUPP
	13	----------	WARRANTY CARD	BT-52008-1	LT-42WX70APT
	13	----------	WARRANTY CARD	BT-56020-1	LT-42WX70AUPT
	13	----------	WARRANTY CARD	BT-54039-1L	LT-42WX70EUPP
	20	GG30096-001B-H	POLY BAG		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	20	----------	POLY BAG	Not supply	LT-42WX70EUPP
	21	GG30097-006B-H	POLY BAG		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	21	----------	POLY BAG	Not supply	LT-42WX70EUPP
	22	GG30096-001B-H	POLY BAG		LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	22	----------	POLY BAG	Not supply	LT-42WX70EUPP
	23	QPA00500705	POLY BAG	5cm x 7cm	LT-42WX70APT,LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT,LT-42WX70TPT
	23	----------	POLY BAG	Not supply	LT-42WX70EUPP
⚠	27	QMPH070-162-JC	POWER CORD	1.62m BLACK	LT-42WX70AUPT
⚠	27	QMPS540-162-JC	POWER CORD	1.62m BLACK	LT-42WX70BPT
⚠	27	QMPL400-162-JC	POWER CORD		LT-42WX70EUPP
⚠	27	QMPS520-162-JC	POWER CORD	1.62m BLACK	LT-42WX70TPT
⚠	28	QMPE480-162-JC	POWER CORD	1.62m BLACK	LT-42WX70APT
⚠	28	QMPP390-162-JC	POWER CORD		LT-42WX70EUPP
⚠	28	QMPP390-162-JC	POWER CORD	1.62m BLACK	LT-42WX70GPT
	40	LCT2536-003A-H	REF MANUAL		LT-42WX70APT,LT-42WX70TPT
	40	LCT2536-002A-H	REF MANUAL		LT-42WX70AUPT,LT-42WX70BPT,LT-42WX70GPT
	40	LCT2536-001A-L	REF MANUAL		LT-42WX70EUPP
	41	QYSPSPD4010NA	SCREW	For SPEAKER UNIT M4 x 10mm(x2)	
	42	QAM1211-001	MULTI CABLE		
	43	QAM1217-001	AUDIO CABLE		
	44	LCT2565-001A-H	SHEET (FCC)		LT-42WX70APT