

JVC

SERVICE MANUAL

INTEGRATED DIGITAL TERRESTRIAL LCD TELEVISION

LT-47DV8BG/P, LT-47DV8BJ/P

BASIC CHASSIS

FL5

100Hz ClearMotionDrive II

DynaPiX HD
Powered by D.I.S.T.

InteriArt

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

T-V LINK

MAXX
BASS

DVB
Digital Video
Broadcasting **HD ready**

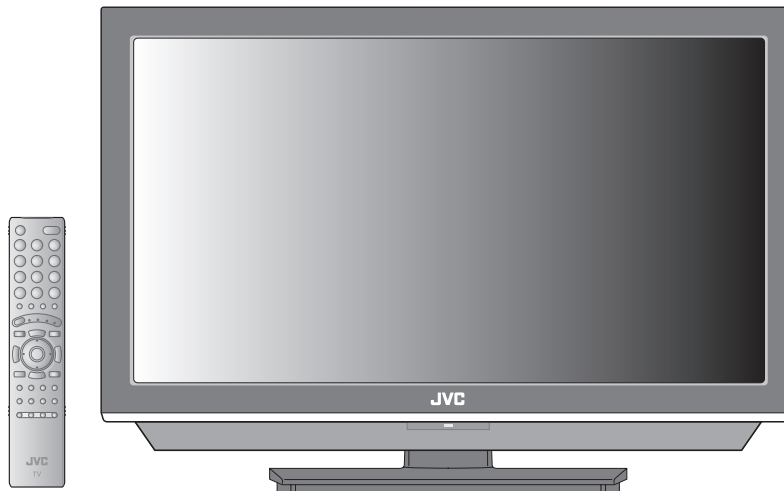


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SPECIFICATION

Items	Contents	
	LT-47DV8BG/P	LT-47DV8BJ/P
Dimensions (W × H × D)	112.1 cm × 77.4 cm × 29.6 cm [Included stand] 112.1 cm × 72.7 cm × 13.0 cm [TV only]	
Mass	34.0kg [Included stand] 30.0 kg [TV only]	
Power Input	AC220V - AC240 V, 50 Hz	
Power Consumption	281 W (Standby: 0.5 W)	
TV RF System	Analog	CCIR (B/G, I, D/K, L) CCIR (I)
	Digital	DVB-T
Colour System	PAL, SECAM, NTSC 3.58/4.43 [EXT only] PAL, NTSC 3.58/4.43 [EXT only]	
Stereo System	NICAM (B/G, I, D/K, L), A2 (B/G, D/K) NICAM (I)	
Receiving Frequency	Analog	VHF: 47MHz - 470MHz UHF: 470 MHz - 862 MHz CATV: 116MHz - 172MHz / 220MHz - 469MHz
	Digital	UHF:174 MHz - 230 MHz UHF:470 MHz - 862 MHz
Intermediate Frequency	VIF	38.9MHz (B/G, I, D/K, L) 38.9MHz (I)
	SIF	33.4MHz (5.5MHz:B/G) 32.9MHz (6.0MHz:I) 32.4MHz (6.5MHz:D/K)
		32.9MHz (6.0MHz:I)
Colour Sub Carrier Frequency	PAL	4.43MHz
	SECAM	4.40625MHz / 4.25MHz ---
	NTSC	3.58MHz / 4.43MHz
Teletext System	Analog	FLOF (Fastext level 2.5) / TOP / WST(World Standard system) FLOF (Fastext level 2.5) / WST(World Standard system)
	Digital	EBU TEXT MHEG 5 UK profile
LCD panel	47V-inch wide aspect (16 : 9)	
Screen Size	Diagonal: 118.0cm (H: 104.0 cm × V: 59.3 cm)	
Display Pixels	Horizontal: 1920 dots × Vertical: 1080 dots (W-UXGA)	
Audio Power Output	10 W + 10 W	
Speaker	4.5 cm × 16.0 cm, oval type × 2 (Oblique Cone)	
Aerial terminal (VHF/UHF)	75 Ω unbalanced, coaxial	
EXT-1 / EXT-2 (Input / Output)	21-pin Euro connector (SCART socket) × 2	
EXT-3 (Input)	S-Video	Mini-DIN 4 pin × 1 Y: 1 V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286 V (p-p) (Burst signal), 75 Ω
	Video	1 V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1
	Audio	500 mV (rms), High impedance, RCA pin jack × 2
EXT-4 (Input)	Component Video	RCA pin jack × 3 750p / 1125i Y: 1 V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75Ω / Pb/Pr: ±0.35V(p-p), 75 Ω 625p / 525p / 625i / 525i Y: 1 V (p-p), Positive (Negative sync.), 75 Ω / Cb/Cr: 0.7V(p-p), 75 Ω
	Audio	500 mV(rms) (-4dBs), high impedance, RCA pin jack × 2
Digital input [DIGITAL-IN 1/2/3]	Video / Audio	HDMI 2-row 19pin connector × 3 (Digital-input terminal is not compatible with picture signals of personal computer)
PC (RGB) Input	D-sub 3-row 15pin × 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4kHz / Vertical : 60Hz)	
Audio Output	500 mV (rms), Low impedance, RCA pin jack × 2	
Digital Audio Optical Output	Digital SPDIF × 1	
Headphone	3.5 mm stereo mini jack × 1	
Remote Control Unit	RM-C1911 (AA/R6 dry cell battery × 2)	

Design & specifications are subject to change without notice.

SECTION 1 PRECAUTION

1.1 SAFETY PRECAUTIONS [EXCEPT FOR UK]

- (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 (Δ) 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 : (\perp) side GND, the ISOLATED (NEUTRAL) : ($\frac{\perp}{\text{---}}$) side GND and EARTH : (\oplus) 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

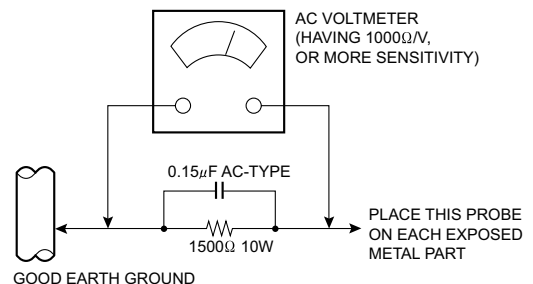
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated 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 1000 Ω per volt or more sensitivity in the following manner. Connect a 1500 Ω 10W resistor paralleled by a 0.15 μ F 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.

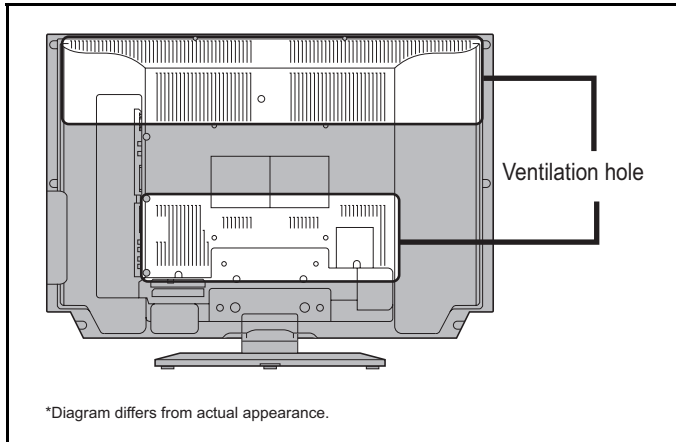
WARNING

- (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

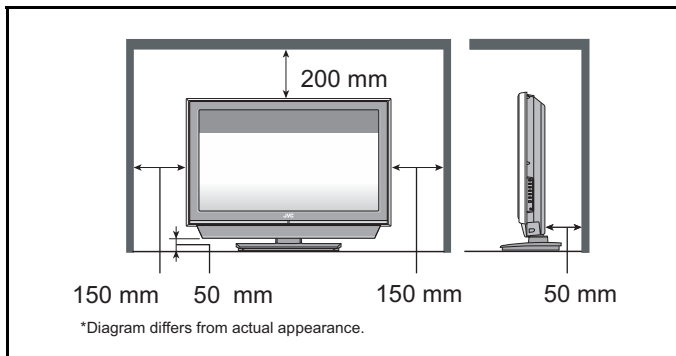
1.3.1 HEAT DISSIPATION

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.



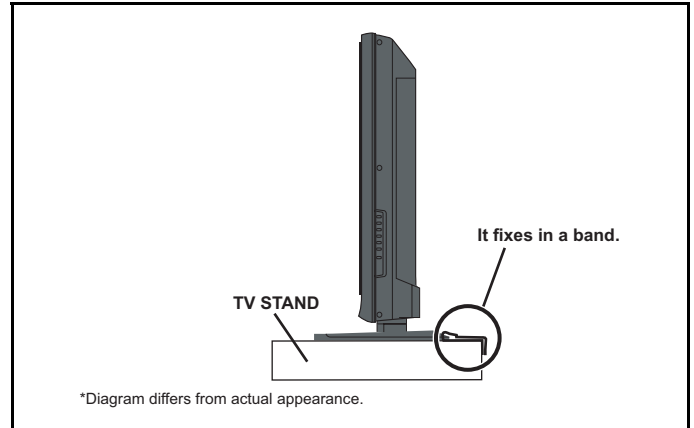
1.3.2 INSTALLATION REQUIREMENTS

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.



1.3.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.



1.3.4 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

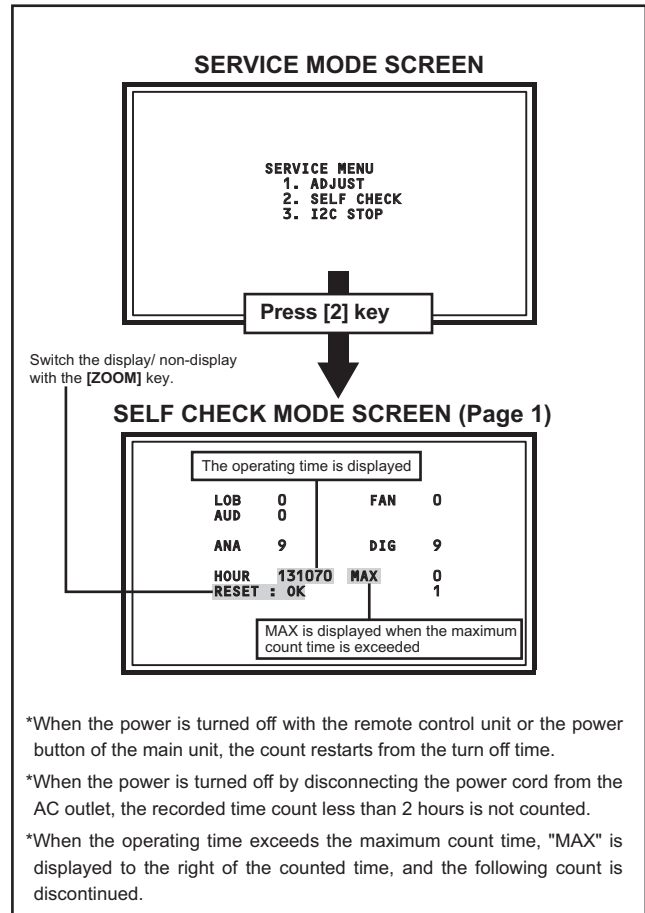
Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

- (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 the **[INFORMATION]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
 - (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 5-digit decimal number. (Refer to the below figure)



1.4.5 HOW TO RESET THE OPERATING TIME

- (1) Press the **[MENU]** key simultaneously, then enter the USER MENU.
- (2) Select the **"Features"** from the USER MENU.
- (3) Select the **Blue back** from the Features.
- (4) Set the **Blue back** to Off.
- (5) Press the **[INFORMATION]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
- (6) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
- (7) When the self check screen(page-1) is displayed, press **[ZOOM]** key.
- (8) "RESET : OK" is displayed under the operating time.
- (9) Press the **[TV]** key to reset the operating time.

NOTE:

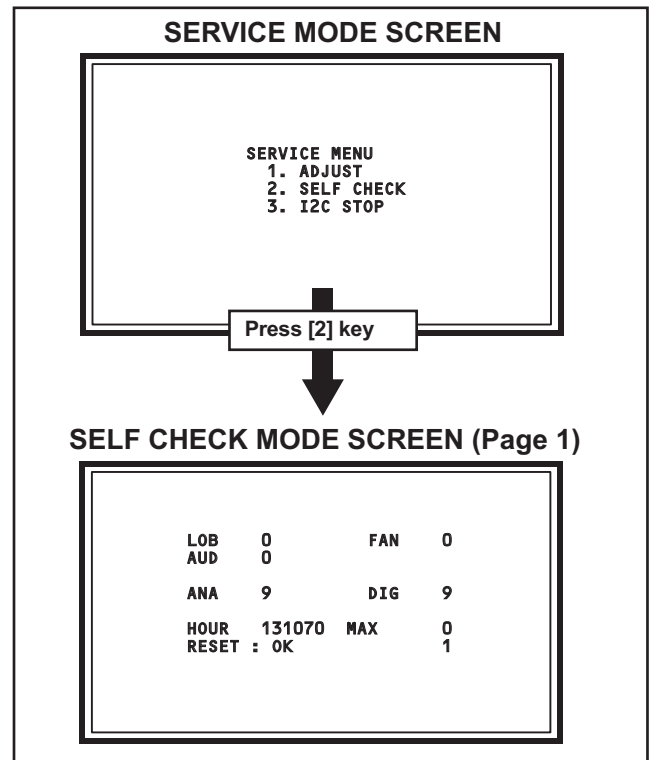
When the LCD PANEL UNIT is replaced, be sure to reset the operating time following the above method.

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

2.1 SYSTEM SETTING

Be sure to carry out the following operation at the end of the procedure.

- (1) Press the **[INFORMATION]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
- (2) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
- (3) Turn off the power by pressing the **[POWER]** key on the remote control unit.



2.2 FEATURES

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.

100Hz Clear Motion Drive

This function is able to display twice as many frames as a conventional LCD display.

DIGITAL TUNER

This TV can receive both DVB-T (Digital terrestrial broadcasting) and Analogue terrestrial broadcasting.

D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

Colour Management

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

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.

Smart Picture

This function detects the APL (Average Picture Level) and adjusts the contrast suitable for what you are watching.

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.

MaxxAudio

MaxxAudio improves sound performance with four sound features (MaxxBass, MaxxTreble, MaxxStereo and MaxxVolume).

2.3 MAIN DIFFERENCE LIST

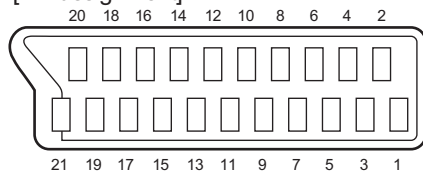
Item	LT-47DV8BG/P	LT-47DV8BJ/P
Teletext (Digital)	EBU TEXT	MHEG 5 UK profile
Teletext (Analog)	FLOF (Fasttext level 2.5) / TOP / WST(World Standard system)	FLOF (Fasttext level 2.5) / WST(World Standard system)
STEREO SYSTEM	NICAM (B/G, I, D/K, L), A2 (B/G, D/K)	NICAM (I)
TV RF System	CCIR (B/G, I, D/K, L)	CCIR (I)

2.4 21-PIN EURO CONNECTOR (SCART) : EXT-1 / EXT-2

Pin No.	Signal designation	Matching value	EXT-1	EXT-2
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used (R1)	Used (R2)
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
4	AUDIO GND		Used	Used
5	GND (B)		Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used (L1)	Used (L2)
7	B input	700mV _(B-W) , 75Ω	Used	Used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	Used
9	GND (G)		Used	Used
10	SCL / T-V LINK		Not used	Used (SCL2 / TV-LINK)
11	G input	700mV _(B-W) , 75Ω	Used	Used
12	SDA		Not used	Used (SDA2)
13	GND (R)		Used	Used
14	GND (YS)		Used	Not used
15	R / C input	R : 700mV _(B-W) , 75Ω C : 300mV _(P-P) , 75Ω	Used (C1/R)	Used (C2/R)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75Ω	Used	Used
17	GND (VIDEO output)		Used	Used
18	GND (VIDEO input)		Used	Used
19	VIDEO output	1V _(P-P) (Negative sync), 75Ω	Used (TV OUT)	Used (LINE OUT)
20	VIDEO / Y input	1V _(P-P) (Negative sync), 75Ω	Used (Y1/V)	Used (Y2/V)
21	COMMON GND		Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



2.5 TECHNICAL INFORMATION

2.5.1 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.

2.5.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications
Maximum dimensions (W × H × D)	109.6 cm × 64.0 cm × 5.1 cm
Weight	16.5 kg
Effective screen size	Diagonal: 1193 mm (H: 1040 mm × V: 593 mm)
Aspect ratio	16 : 9
Drive device / system	a-Si-TFT active matrix system
Resolution	Horizontally 1920 × Vertically 1080 × RGB <W-UXGA> 6220800 dots in total
Pixel pitch (pixel size)	Horizontally: 0.5415 mm, Vertically: 0.5415 mm
Displayed colour	16777216 colours 256 colours for R G and B
Brightness	500cd/m ²
Contrast ratio	1000 : 1
Response time	less than 10 ms
View angle (Horizontally)	178°
View angle (Vertically)	178°
Surface polarizer	Anti-Glare type Low reflective coat
Colour filter	Vertical stripe
Backlight	Cold cathode fluorescent lamp × 23
Power supply voltage in LCD	12 V
Power supply voltage in inverter	24 V
Panel interface system	LVDS (Low Voltage Differential Signaling)

2.5.1.2 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 colour 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 colour and find out the cell that is flashing on and off.

2.5.2 MAIN CPU PIN FUNCTION [IC7301 : DIGITAL PWB]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	TCK	O	Test purpose	65	D2	I/O	Program ROM data for main CPU
2	TMS	I	Test purpose	66	D12	I/O	Program ROM data for main CPU
3	TDI	I	Test purpose	67	D10	I/O	Program ROM data for main CPU
4	TDO	O	Test purpose	68	VSS33	-	GND
5	P2.8	I	Input for HDMI CEC	69	VDD33	I	3.3V
6	P2.9	O	Blue for OSD	70	D4	I/O	Program ROM data for main CPU
7	P2.10	O	Blue for OSD	71	D3	I/O	Program ROM data for main CPU
8	P2.11	O	Blue for OSD	72	D11	I/O	Program ROM data for main CPU
9	P2.12	O	Blue for OSD	73	RSTIN	I	Reset
10	P2.13	O	Blue for OSD	74	POWER	O	Sleep state release for chassis CPU [Release : L]
11	P2.14	I	TV-LINK data	75	P3.1	O	Reset for digital tuner unit
12	P2.15	O	Request for chassis CPU communication	76	REMOCON	I	Remote control
13	VSS33	-	GND	77	P3.3	I	Clock for OSD
14	VDD33	I	3.3V	78	P3.4	O	Red for OSD
15	P4.5	O	TV-LINK data	79	P3.5	O	Red for OSD
16	A20	O	Program ROM address for main CPU	80	P3.6	O	Red for OSD
17	A19	O	Program ROM address for main CPU	81	P3.7	O	Red for OSD
18	A18	O	Program ROM address for main CPU	82	MTST	I/O	Data transmission for chassis CPU communication
19	A17	O	Program ROM address for main CPU	83	MTSR	I/O	Data receive for chassis CPU communication
20	VSS25	-	GND	84	VSS33	-	GND
21	VDD25	I	2.5V	85	VDD33	I	3.3V
22	A16	O	Program ROM address for main CPU	86	VSS25	-	GND
23	A8	O	Program ROM address for main CPU	87	VDD25	I	2.5V
24	A7	O	Program ROM address for main CPU	88	TXD0	I/O	Data transmission for digital tuner unit
25	A9	O	Program ROM address for main CPU	89	RXD0	I/O	Data receive for digital tuner unit
26	A6	O	Program ROM address for main CPU	90	P3.12	O	Red for OSD
27	A5	O	Program ROM address for main CPU	91	CLK	O	Clock for chassis CPU communication
28	A10	O	Program ROM address for main CPU	92	P3.15	O	Output for HDMI CEC
29	A11	O	Program ROM address for main CPU	93	P5.14	O	Green for OSD
30	A12	O	Program ROM address for main CPU	94	P5.15	O	Green for OSD
31	VSS33	-	GND	95	TRIG_IN	O	Green for OSD
32	VDD33	I	3.3V	96	TRIG_OUT	O	Green for OSD
33	A4	O	Program ROM address for main CPU	97	P6.2	O	Green for OSD
34	A3	O	Program ROM address for main CPU	98	P6.3	I/O	I ² C bus clock (for main memory)
35	A2	O	Program ROM address for main CPU	99	P6.4	I/O	I ² C bus Data (for main memory)
36	A1	O	Program ROM address for main CPU	100	P6.5	O	Sync signal select for OSD / Teletext
37	A0	O	Program ROM address for main CPU	101	IRQ	O	Interrupt request for digital tuner unit
38	A13	O	Program ROM address for main CPU	102	VSYNC	I	Vertical sync
39	ARAS/A14	O	Program ROM address for main CPU	103	HSYNC	I	Horizontal sync
40	CAS/A15	O	Program ROM address for main CPU	104	COR/RSTOUT	O	Not used
41	VSS33	-	GND	105	BLANK	O	Ys for OSD / Teletext
42	VDD33	I	3.3V	106	VDD33	I	3.3V
43	MEMCLK	O	Clock for memory	107	VSS33	-	GND
44	CSSDRAM	O	Chip select for memory	108	XTAL1	I	6MHz for system clock
45	CLKEN	O	Clock enable for memory	109	XTAL2	O	6MHz for system clock
46	CSROM	O	Chip select for memory	110	VSSA	-	GND
47	RD	O	Read for memory	111	VDDA	I	2.5V
48	UDQM	O	Control buffer of memory	112	R	O	R for Teletext
49	LDQM	O	Control buffer of memory	113	G	O	G for Teletext
50	WR	O	Write for memory	114	B	O	B for Teletext
51	D15	I/O	Program ROM data for main CPU	115	VSSA	-	GND
52	VSS33	-	GND	116	VDDA	I	2.5V
53	VDD33	I	3.3V	117	CVBS2	I	Not used
54	D7	I/O	Program ROM data for main CPU	118	VSSA	-	GND
55	D0	I/O	Program ROM data for main CPU	119	VDDA	I	2.5V
56	D14	I/O	Program ROM data for main CPU	120	CVBS1B	I	Not used
57	D8	I/O	Program ROM data for main CPU	121	CVBS1A	I	Video for Teletext
58	D6	I/O	Program ROM data for main CPU	122	VSSA	-	GND
59	D1	I/O	Program ROM data for main CPU	123	VDDA	I	2.5V
60	VSS33	-	GND	124	KEY1	I	Key scan data 1 [ON : H]
61	VDD33	I	3.3V	125	KEY2	I	Key scan data 2 [ON : H]
62	D13	I/O	Program ROM data for main CPU	126	MECA_SW	I	Main power ON / OFF control [ON : L]
63	D9	I/O	Program ROM data for main CPU	127	(KEYP2)P5.3	I	Error detection for digital tuner unit
64	D5	I/O	Program ROM data for main CPU	128	TMODE	I	Test purpose

SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

- **Be sure to perform the SYSTEM SETTING, at the end of the procedure.**
- 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.

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.

3.1.1 REMOVING THE REAR COVER (Fig.3-1)

- (1) Remove the 1 screw [A].
- (2) Remove the POWER CORD COVER.
- (3) Remove the POWER CORD.
- (4) Remove the 1 screw [B], 9 screws [C], 5 screws [D] and 6 screws [E].
- (5) Remove the REAR COVER.

3.1.2 REMOVING THE ANALOG PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 1 screw [F].
 - (2) Remove the TUNER BASE.
 - (3) Remove the 2 hooks [a], 3 screws [G] and 3 screws [H].
 - (4) Remove the TERMINAL BASE.
 - (5) Remove the 3 screws [J].
 - (6) Remove the BACK BRACKET.
 - (7) Remove the 6 screws [K] and 2 screws [L].
 - (8) Remove the ANALOG PWB.

3.1.3 REMOVING THE DC-DC PWB (Fig.3-1)

- Remove the REAR COVER.
- Remove the BACK BRACKET.
 - (1) Remove the 4 screws [M].
 - (2) Remove the DC-DC PWB.

3.1.4 REMOVING THE POWER PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 3 screws [N].
 - (2) Remove the BACK BRACKET.
 - (3) Remove the 11 screws [P].
 - (4) Remove the POWER PWB.

3.1.5 REMOVING THE SW PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 1 screw [Q].
 - (2) Remove the KNOB BASE.
 - (3) Remove the 2 screws [R].
 - (4) Remove the SW PWB.

3.1.6 REMOVING THE DIGITAL TUNER UNIT (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 9 hooks [b].
 - (2) Remove the SHIELD COVER.
 - (3) Remove the 2 screws [S], 3 screws [T] and 2 screws [U].
 - (4) Remove the SHIELD TERMINAL.
 - (5) Remove the 4 screws [V].
 - (6) Remove the DIGITAL TUNER UNIT.

3.1.7 REMOVING THE DIGITAL PWB (Fig.3-1)

- Remove the REAR COVER.
- Remove the SHIELD COVER.
- Remove the SHIELD TERMINAL.
- Remove the DIGITAL TUNER UNIT.
 - (1) Remove the 7 screws [W].
 - (2) Remove the DIGITAL PWB BRACKET.
 - (3) Remove the 2 screws [X].
 - (4) Remove the DIGITAL PWB.

CAUTION :

Make sure to perform the "SYSTEM SETTING", when DIGITAL PWB is replaced.

3.1.8 REMOVING THE SPEAKER (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 3 screws [Y].
 - (2) Remove the SPEAKER.
 - (3) Follow the same steps when removing the other hand SPEAKER.

3.1.9 REMOVING THE STAND ASS'Y (Fig.3-1)

- (1) Remove the 1 screw [B] and 4 screws [Z].
- (2) Remove the STAND ASS'Y.

3.1.10 REMOVING THE LED PWB (Fig.3-1)

- Remove the REAR COVER.
- Remove the STAND ASS'Y.
 - (1) Remove the 5 screws [AA] and 2 screws [AB].
 - (2) Remove the STAND BASE SUPPORT.
 - (3) Remove the 2 hooks [c].
 - (4) Remove the LED PWB.

3.1.11 REMOVING THE ILLUMI LENS (Fig.3-1)

- Remove the REAR COVER.
- Remove the STAND ASS'Y.
- Remove the STAND BASE SUPPORT.
- Remove the LED PWB.
 - (1) Remove the 2 screws [AC].
 - (2) Remove the ILLUMI LENS.

3.1.12 REMOVING THE LCD PANEL UNIT (Fig.3-1)

- Remove the REAR COVER.
- Remove the STAND ASS'Y.
- Remove the STAND BASE SUPPORT.
- Remove the SPEAKER.
 - (1) Remove the 6 screws [AD] and 4 screws [AE].
 - (2) Remove the MAIN BASE.
 - (3) Remove the 2 screws [AF].
 - (4) Remove the SIDE BRACKET.
 - (5) Remove the 2 screws [AG].
 - (6) Remove the TOP FRAME in the direction of the arrow.
 - (7) Remove the LCD PANEL UNIT from the FRONT PANEL.

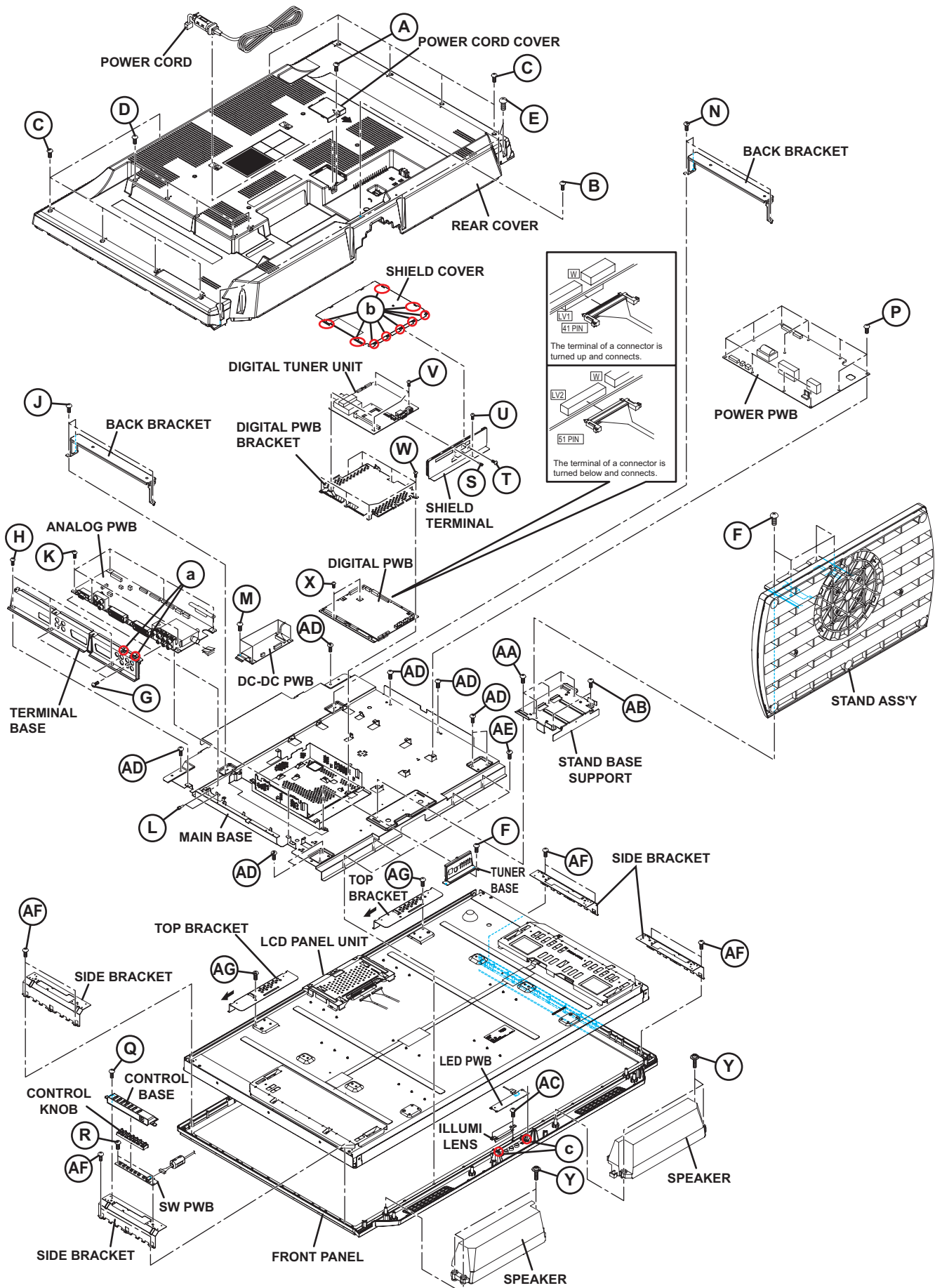


Fig.3-1

3.2 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.

3.2.1 MEMORY IC TABLE

Symbol	Number of pins	Mounting PWB	Main content of data
IC7201	48-pin	DIGITAL PWB	Program (Video process) of IC6001 (System CPU) is memorized.
IC7602	8-pin	DIGITAL PWB	Setting value of IC7301 (MAIN CPU) is memorized.

3.2.2 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. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. 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.

6. SERVICE MODE setting

Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.3-2). Refer to the SERVICE ADJUSTMENT for setting.

3.2.3 SERVICE MODE SETTING

■SERVICE MODE SCREEN

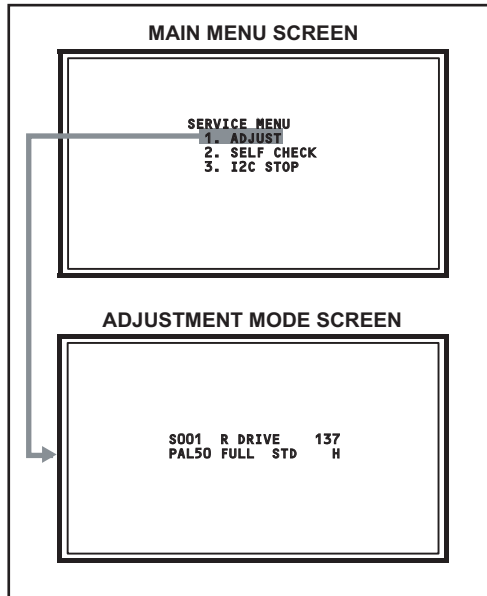


Fig.3-2

3.2.4 SETTINGS OF FACTORY SHIPMENT

3.2.4.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	PR1
VOLUME	10
TV/AV	TV

3.2.4.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR1
VOLUME	10
ZOOM	Auto
SUB PICTURE	EXT-1
SUB POWER	Off

■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001 - S009
(Not used)	Fixed	T001 - T003
(Not used)	Fixed	M001 - M224
(Not used)	Fixed	F001 - F002
(Not used)	Fixed	D001
(Not used)	Fixed	Z001

3.2.4.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item	Setting position	
Picture Mode	Bright	
Colour Temp.	Cool	
Features		
Super Digipure	Auto	
Movie Theatre	Auto	
Colour Management	On	
Picture Management	On	
Smart Picture	On	
MPEG Noise Reduction	Off	
Colour System	Main	Depends PR
	Sub	Auto
4:3 Auto Aspect	Panoramic	
1080i Auto Setting	Full	

(2) SOUND

Setting item	Setting position
Stereo / I•ii	Stereo Sound
MaxxAudio	Low
Balance	Centre
Voice Enhancer	Off

(3) FEATURES

Setting item	Setting position
Sleep Timer	Off
Child Lock	Off (ID:0000)
Appearance	Type A
Blue Back	On
Favorite Setting	Blank
Illumination	Bright
Power Lamp	On
Eco Mode	Off

(4) SET UP

Setting item	Setting position
Auto Program	Tv Channel Automatically Set
Edit/manual	-
Language	English
Decoder (Ext-2)	Off
Component Auto Select	Off
HDMI	HDMI CEC: On Size: Auto Audio: Auto
Attenuator	Off
PC Position	Centre
Auto Demonstration	Off
Ext Setting	
S-IN	Blank
ID	Blank
Dubbing	Ext-1 → Ext-2

(5) DTV

[For UK]

Setting item	Setting position
Configuration	
Audio Language	English
Subtitle Language	English
Favourite Mode	Off
Menu Lock	Disable

[For other country]

Setting item	Setting position
Configuration	
Country	--- *
Menu Language	--- *
Audio Language	--- *
Subtitle Language	--- *
Teletext Language	--- *
EPG Language	--- *
Enter PIN Code	0000
Favourite Mode	Off
Maturity Rating	Off

*It differs according to the language that the user selected.

[For All country]

Setting item	Setting position
Setup	
Digital Audio Output	PCM
Banner Duration	2sec
Receiver Upgrade	Auto
Common Interface	---
Antenna Power	Off

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 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.

3.3.2 SOLDERING IRON

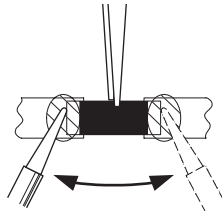
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

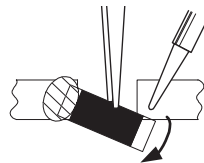
1. How to remove Chip parts

[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.

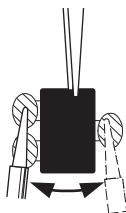


[Transistors, diodes, variable resistors, etc.]

- (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.



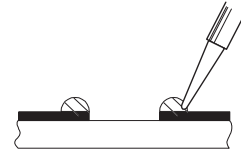
NOTE :

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

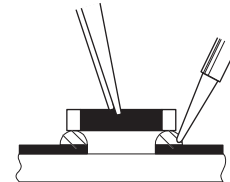
2. How to install Chip parts

[Resistors, capacitors, etc.]

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

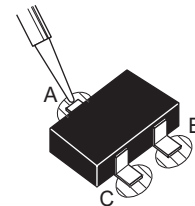


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

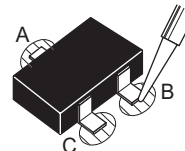


[Transistors, diodes, variable resistors, etc.]

- (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
Picture Adjustments	Centre
Colour Temp.	Normal
Super Digipure	Auto
Movie Theatre	Auto
Colour Management	On
Picture Management	On
Zoom	Full

4.3 MEASURING INSTRUMENT AND FIXTURES

- Signal generator (Pattern generator) [PAL]
- Remote control unit

4.4 ADJUSTMENT ITEMS

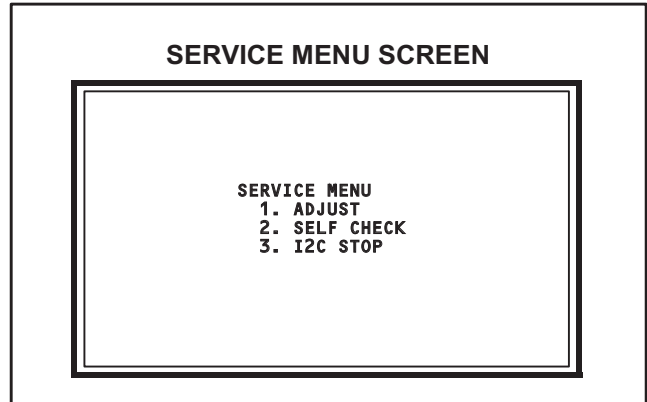
■ VIDEO CIRCUIT

- WHITE BALANCE (HIGH LIGHT) adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

- (1) Press **[INFORMATION]** key and **[MUTING]** key on the remote control unit simultaneously to enter the SERVICE MODE SCREEN.
- (2) In the SERVICE MENU, press the **[1]** key to display ADJUSTMENT MODE SCREEN.



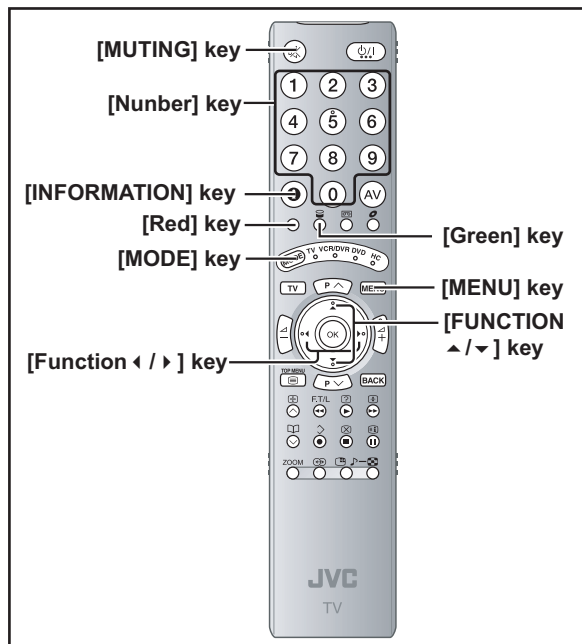
NOTE:

- Before enter the SERVICE MODE, press the **[MODE]** key to confirm that "TV" position is indicated. If it is in a wrong position, the SERVICE MODE operation cannot be performed.
- When a number key other than the **[1]** key is pressed in the SERVICE MODE SCREEN, the other relevant screen may be displayed. This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MODE SCREEN.

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



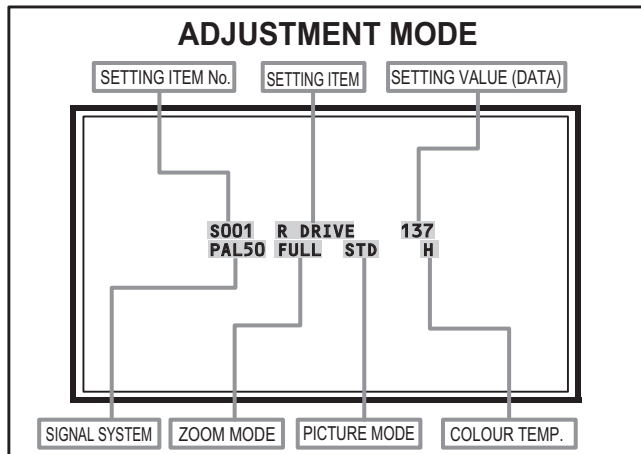
4.5.4 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT and the MTS 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 signal displayed on the screen is displayed.

- PAL50 : PAL50Hz (Composite / S-video)
- PAL60 : PAL60Hz (Composite / S-video)
- SECAM : SECAM
- NTSC3 : NTSC3.58
- NTSC4 : NTSC4.43
- 525I : 525i (Component)
- 525P : 525p
- 625I : 625i (Component)
- 625P : 625p
- 1125I5 : 1125i 50Hz
- 1125I6 : 1125i 60Hz
- RGB5 : RGB 525i
- RGB6 : RGB 625i
- PCVGA : PC (VGA)
- PCXGA : PC (XGA)
- D625I : DVB-T 625i
- H525I : HDMI 525i
- H525P : HDMI 525p
- H625I : HDMI 625i
- H625P : HDMI 625p
- H750P : HDMI 750p
- H125I5 : HDMI 1125i 50Hz
- H125I6 : HDMI 1125i 60Hz
- : OTHER

(2) ZOOM MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

- FULL : FULL
- JUST : FULL NATIVE
- PANO : PANORAMIC
- 1609 : 16:9 ZOOM
- 1609S : 16:9 ZOOM SUBTITLE
- 1409 : 14:9 ZOOM
- REGU : REGULAR

MULTI SCREEN

- M2 : 2-pictures multi
- M12 : 12-pictures multi

(3) PICTURE MODE

- SOFT : SOFT
- STD : STANDARD
- BRI : BRIGHT

(4) COLOUR TEMP.

- H : COOL
- M : NORMAL
- L : WARM

(5) SETTING ITEM NAME

Setting item name are displayed. For the setting item names to be displayed, refer to "INITIAL SETTING VALUES IN THE SERVICE MODE".

(6) SETTING ITEM NO.

Setting item numbers are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 - S009	Video system setting
T001 - T003	(NOT USED)
M001 - M224	(NOT USED)
F001 - F002	(NOT USED)
D001	(NOT USED)
Z001	(NOT USED)

(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.

S001...S009 ↔ T001...T003 ↔ M001...M224 ↔
F001...F002 ↔ D001 ↔ Z001↔return to S001

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.	Item	Variable range	Setting value
S001	R DRIVE	0 - 255	137
S002	G DRIVE	0 - 255	137
S003	B DRIVE	0 - 255	137
S004	RESERV	0 - 255	---
S005	2D YC	0 - 255	0
S006	RESERV	0 - 255	---
S007	RESERV	0 - 255	---
S008	RESERV	0 - 255	---
S009	RESERV	0 - 255	---

4.6.2 NOT USED ITEM (All values are Fixed values)

Item No.	Item	Variable range	Setting value
T001	RESERV	0 - 15	---
T002	RESERV	0 - 63	---
T003	RESERV	0 - 63	---
M001	1E00	00 - FF	---
M002	1E01	00 - FF	---
M003	1E02	00 - FF	---
M004	1E03	00 - FF	---
M005	1E04	00 - FF	---
M006	1E05	00 - FF	---
M007	1E06	00 - FF	---
M008	1E07	00 - FF	---
M009	1E08	00 - FF	---
M010	1E09	00 - FF	---
M011	1E0A	00 - FF	---
M012	1E0B	00 - FF	---
M013	1E0C	00 - FF	---
M014	1E0D	00 - FF	---
M015	1E0E	00 - FF	---
M016	1E0F	00 - FF	---
M017	1E10	00 - FF	---
M018	1E11	00 - FF	---
M019	1E12	00 - FF	---
M020	1E13	00 - FF	---
M021	1E14	00 - FF	---
M022	1E15	00 - FF	---
M023	1E16	00 - FF	---
M024	1E17	00 - FF	---
M025	1E18	00 - FF	---
M026	1E19	00 - FF	---
M027	1E1A	00 - FF	---
M028	1E1B	00 - FF	---
M029	1E1C	00 - FF	---
M030	1E1D	00 - FF	---
M031	1E1E	00 - FF	---

Item No.	Item	Variable range	Setting value
M032	1E1F	00 - FF	---
M033	1E20	00 - FF	---
M034	1E21	00 - FF	---
M035	1E22	00 - FF	---
M036	1E23	00 - FF	---
M037	1E24	00 - FF	---
M038	1E25	00 - FF	---
M039	1E26	00 - FF	---
M040	1E27	00 - FF	---
M041	1E28	00 - FF	---
M042	1E29	00 - FF	---
M043	1E2A	00 - FF	---
M044	1E2B	00 - FF	---
M045	1E2C	00 - FF	---
M046	1E2D	00 - FF	---
M047	1E2E	00 - FF	---
M048	1E2F	00 - FF	---
M049	1E30	00 - FF	---
M050	1E31	00 - FF	---
M051	1E32	00 - FF	---
M052	1E33	00 - FF	---
M053	1E34	00 - FF	---
M054	1E35	00 - FF	---
M055	1E36	00 - FF	---
M056	1E37	00 - FF	---
M057	1E38	00 - FF	---
M058	1E39	00 - FF	---
M059	1E3A	00 - FF	---
M060	1E3B	00 - FF	---
M061	1E3C	00 - FF	---
M062	1E3D	00 - FF	---
M063	1E3E	00 - FF	---
M064	1E3F	00 - FF	---
M065	1E40	00 - FF	---
M066	1E41	00 - FF	---
M067	1E42	00 - FF	---
M068	1E43	00 - FF	---
M069	1E44	00 - FF	---
M070	1E45	00 - FF	---
M071	1E46	00 - FF	---
M072	1E47	00 - FF	---
M073	1E48	00 - FF	---
M074	1E49	00 - FF	---
M075	1E4A	00 - FF	---
M076	1E4B	00 - FF	---

Item No.	Item	Variable range	Setting value
M077	1E4C	00 - FF	---
M078	1E4D	00 - FF	---
M079	1E4E	00 - FF	---
M080	1E4F	00 - FF	---
M081	1E50	00 - FF	---
M082	1E51	00 - FF	---
M083	1E52	00 - FF	---
M084	1E53	00 - FF	---
M085	1E54	00 - FF	---
M086	1E55	00 - FF	---
M087	1E56	00 - FF	---
M088	1E57	00 - FF	---
M089	1E58	00 - FF	---
M090	1E59	00 - FF	---
M091	1E5A	00 - FF	---
M092	1E5B	00 - FF	---
M093	1E5C	00 - FF	---
M094	1E5D	00 - FF	---
M095	1E5E	00 - FF	---
M096	1E5F	00 - FF	---
M097	1E60	00 - FF	---
M098	1E61	00 - FF	---
M099	1E62	00 - FF	---
M100	1E63	00 - FF	---
M101	1E64	00 - FF	---
M102	1E65	00 - FF	---
M103	1E66	00 - FF	---
M104	1E67	00 - FF	---
M105	1E68	00 - FF	---
M106	1E69	00 - FF	---
M107	1E6A	00 - FF	---
M108	1E6B	00 - FF	---
M109	1E6C	00 - FF	---
M110	1E6D	00 - FF	---
M111	1E6E	00 - FF	---
M112	1E6F	00 - FF	---
M113	1E70	00 - FF	---
M114	1E71	00 - FF	---
M115	1E72	00 - FF	---
M116	1E73	00 - FF	---
M117	1E74	00 - FF	---
M118	1E75	00 - FF	---
M119	1E76	00 - FF	---
M120	1E77	00 - FF	---
M121	1E78	00 - FF	---
M122	1E79	00 - FF	---
M123	1E7A	00 - FF	---
M124	1E7B	00 - FF	---
M125	1E7C	00 - FF	---
M126	1E7D	00 - FF	---

Item No.	Item	Variable range	Setting value
M127	1E7E	00 - FF	---
M128	1E7F	00 - FF	---
M129	1E80	00 - FF	---
M130	1E81	00 - FF	---
M131	1E82	00 - FF	---
M132	1E83	00 - FF	---
M133	1E84	00 - FF	---
M134	1E85	00 - FF	---
M135	1E86	00 - FF	---
M136	1E87	00 - FF	---
M137	1E88	00 - FF	---
M138	1E89	00 - FF	---
M139	1E8A	00 - FF	---
M140	1E8B	00 - FF	---
M141	1E8C	00 - FF	---
M142	1E8D	00 - FF	---
M143	1E8E	00 - FF	---
M144	1E8F	00 - FF	---
M145	1E90	00 - FF	---
M146	1E91	00 - FF	---
M147	1E92	00 - FF	---
M148	1E93	00 - FF	---
M149	1E94	00 - FF	---
M150	1E95	00 - FF	---
M151	1E96	00 - FF	---
M152	1E97	00 - FF	---
M153	1E98	00 - FF	---
M154	1E99	00 - FF	---
M155	1E9A	00 - FF	---
M156	1E9B	00 - FF	---
M157	1E9C	00 - FF	---
M158	1E9D	00 - FF	---
M159	1E9E	00 - FF	---
M160	1E9F	00 - FF	---
M161	1EA0	00 - FF	---
M162	1EA1	00 - FF	---
M163	1EA2	00 - FF	---
M164	1EA3	00 - FF	---
M165	1EA4	00 - FF	---
M166	1EA5	00 - FF	---
M167	1EA6	00 - FF	---
M168	1EA7	00 - FF	---
M169	1EA8	00 - FF	---
M170	1EA9	00 - FF	---
M171	1EAA	00 - FF	---
M172	1EAB	00 - FF	---
M173	1EAC	00 - FF	---
M174	1EAD	00 - FF	---
M175	1EAE	00 - FF	---
M176	1EAF	00 - FF	---

Item No.	Item	Variable range	Setting value
M177	1EB0	00 - FF	---
M178	1EB1	00 - FF	---
M179	1EB2	00 - FF	---
M180	1EB3	00 - FF	---
M181	1EB4	00 - FF	---
M182	1EB5	00 - FF	---
M183	1EB6	00 - FF	---
M184	1EB7	00 - FF	---
M185	1EB8	00 - FF	---
M186	1EB9	00 - FF	---
M187	1EBA	00 - FF	---
M188	1EBB	00 - FF	---
M189	1EBC	00 - FF	---
M190	1EBD	00 - FF	---
M191	1EBE	00 - FF	---
M192	1EBF	00 - FF	---
M193	1EC0	00 - FF	---
M194	1EC1	00 - FF	---
M195	1EC2	00 - FF	---
M196	1EC3	00 - FF	---
M197	1EC4	00 - FF	---
M198	1EC5	00 - FF	---
M199	1EC6	00 - FF	---
M200	1EC7	00 - FF	---
M201	1EC8	00 - FF	---
M202	1EC9	00 - FF	---
M203	1ECA	00 - FF	---

Item No.	Item	Variable range	Setting value
M204	1ECB	00 - FF	---
M205	1ECC	00 - FF	---
M206	1ECD	00 - FF	---
M207	1ECE	00 - FF	---
M208	1ECF	00 - FF	---
M209	1ED0	00 - FF	---
M210	1ED1	00 - FF	---
M211	1ED2	00 - FF	---
M212	1ED3	00 - FF	---
M213	1ED4	00 - FF	---
M214	1ED5	00 - FF	---
M215	1ED6	00 - FF	---
M216	1ED7	00 - FF	---
M217	1ED8	00 - FF	---
M218	1ED9	00 - FF	---
M219	1EDA	00 - FF	---
M220	1EDB	00 - FF	---
M221	1EDC	00 - FF	---
M222	1EDD	00 - FF	---
M223	1EDE	00 - FF	---
M224	1EDF	00 - FF	---
F001	DD	0 - 1	---
F002	RAM REF	0 - 1	---
D001	RESERV	0 - 255	---
Z001	RESERV	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)	<ol style="list-style-type: none"> (1) Receive a PAL 75% all white signal. (2) Set PICTURE MODE to "STANDARD". (3) Set ZOOM to "FULL". (4) Set COLOUR TEMP. to "NORMAL". (5) Select "1.ADJUST" from the SERVICE MODE. (6) Adjust to Keep one of <S001> (Red drive), <S002> (Green drive) or <S003> (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. <p>NOTE: Set one or more of <S001>, <S002>, and <S003> to "137".</p> <ol style="list-style-type: none"> (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the [MUTING] key to memorize the set value.

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 I²C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before enter the SELF CHECK MODE, press the **[MODE]** key to confirm that "TV" position is indicated. If it is in a wrong position, the SELF CHECK MODE operation cannot be performed.

- (1) Press the **[INFORMATION]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
 - (2) Press the **[2]** key SELF CHECK MODE.
 - (3) Press the **[RED]** key to enter Page 2 of the SELF CHECK MODE.
- *Use the **[GREEN]** key to toggle between Page 1 and Page 2.

NOTE:

When a number key other than the **[2]** key is pressed in the SERVICE MODE screen, the other relevant screen may be displayed.

This is not used in the SELF CHECK MODE. Press the **[MENU]** key to return to the MAIN MENU SCREEN.

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 I²C 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.

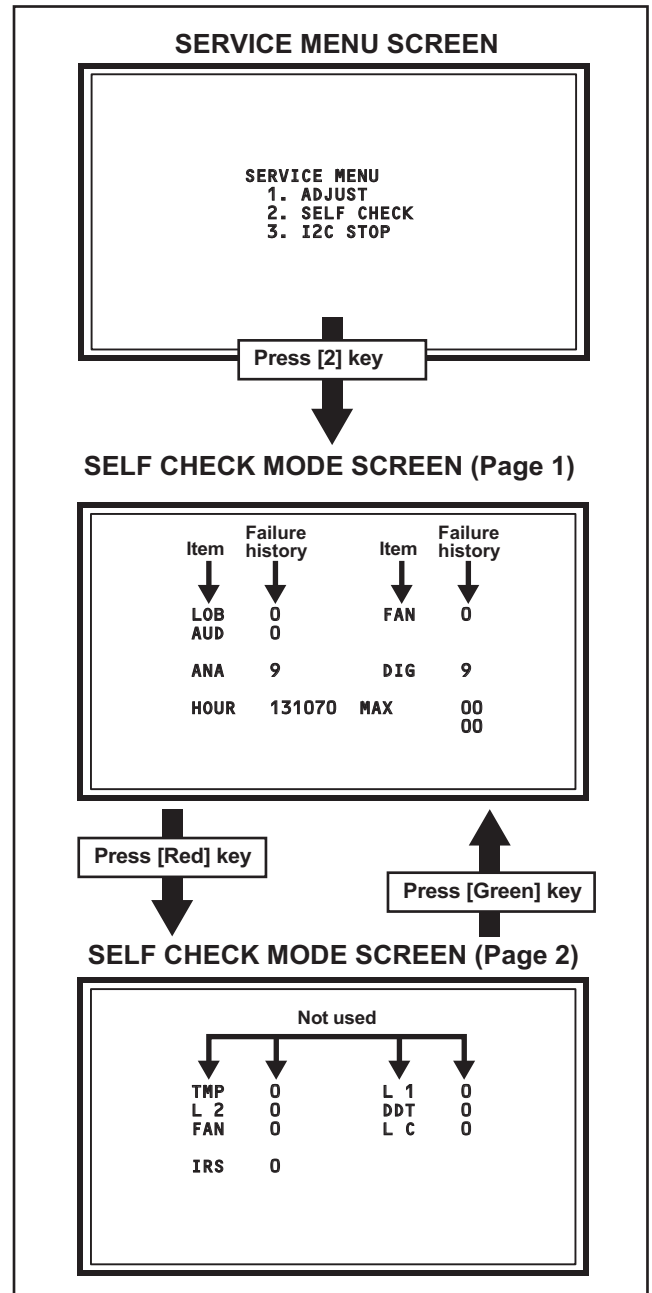


Fig.5-1

5.1.6 DETAILS

Self check is performed for the following items: (---- is not used items)

<Page 1 of screen>

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirm the operation of the low bias (5V / 12V / 16V) protection circuit. Q9401 , Q9601 , Q9703 [DC-DC PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 200 ms the power is turned off.
----	FAN	----	----	----
----	AUD	----	----	----
Devices on the ANALOG PWB	ANA	Confirmation of reply of ACK signal which uses I ² C communication. IC101 , IC102 , IC601 , IC3501 , TU3001 [ANALOG PWB]	SDA	Detection starts 3 seconds after the power is turned on. If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
Devices on the DIGITAL PWB	DIG	Confirmation of reply of ACK signal which uses I ² C communication. IC5001 [DIGITAL PWB]	SDA	Detection starts 3 seconds after the power is turned on. If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.

<Page 2 of screen>

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
----	TMP	----	----	----
----	L1	----	----	----
----	L2	----	----	----
----	DDT	----	----	----
----	FAN	----	----	----
----	LC	----	----	----
----	IRS	----	----	----

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 second 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 category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA551)



Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

INTEGRATED DIGITAL TERRESTRIAL LCD TELEVISION

LT-47DV8BG/P, LT-47DV8BJ/P

CD-ROM No.SML200708

BASIC CHASSIS

FL5

100Hz ClearMotionDrive II

DynaPiX HD
Powered by D.L.S.T.

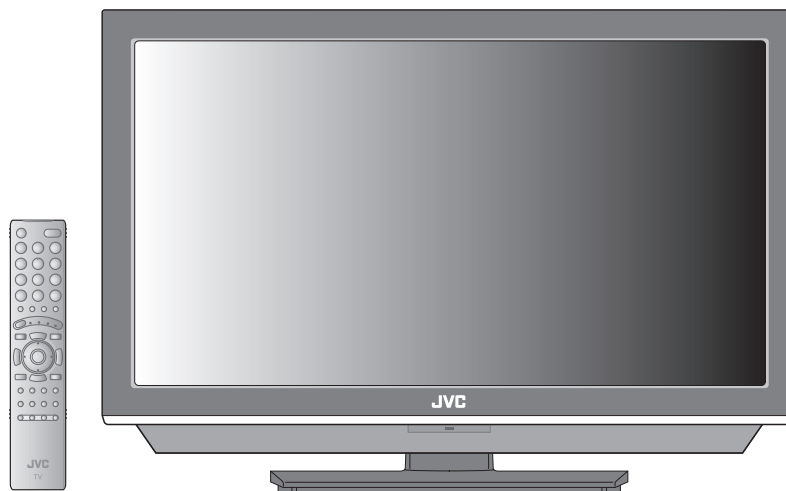
InteriArt

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

T-V LINK

MAXX
Basiss

DVB
Digital Video
Broadcasting **HD ready**



LT-42DV8BG/P, LT-42DV8BJ/P

STANDARD CIRCUIT DIAGRAM

NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \triangle symbol and shading are critical for safety. For continued safety replace safety critical 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 20k Ω /V
- (4)Oscilloscope sweeping time : H \Rightarrow 20 μ s / div
: V \Rightarrow 5ms / div
: Others \Rightarrow 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 \rightarrow R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [k Ω]
- M : [M Ω]

● 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 : [μ F]

● Withstand voltage

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

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/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 : [μ H]
- Others : As specified

(4)Power Supply

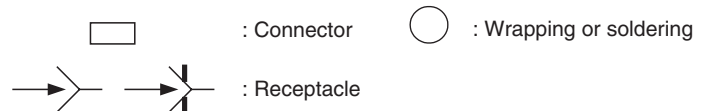


* Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

- \perp : LIVE side ground
- \perp with a horizontal line through the stem : ISOLATED(NEUTRAL) side ground
- \perp with a horizontal line through the stem and a vertical line at the bottom : 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 (\perp) side GND and the ISOLATED(NEUTRAL) (\perp) 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 (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-47DV8BG/P	LT-47DV8BJ/P
ANALOG P.W. BOARD	SFN-1251A-U2	←
SW P.W. BOARD	SFN-7216A-U2	←
LED P.W. BOARD	SFN-8722A-U2	←
POWER P.W. BOARD	SFN-9081A-U2	←
DC-DC P.W. BOARD	SFN-9189A-U2	←
DIGITAL P.W. BOARD	LCA10774-02B(SFL-0D567A)	←

SEMICONDUCTOR SHAPES

TRANSISTOR

BOTTOM VIEW	FRONT VIEW			TOP VIEW

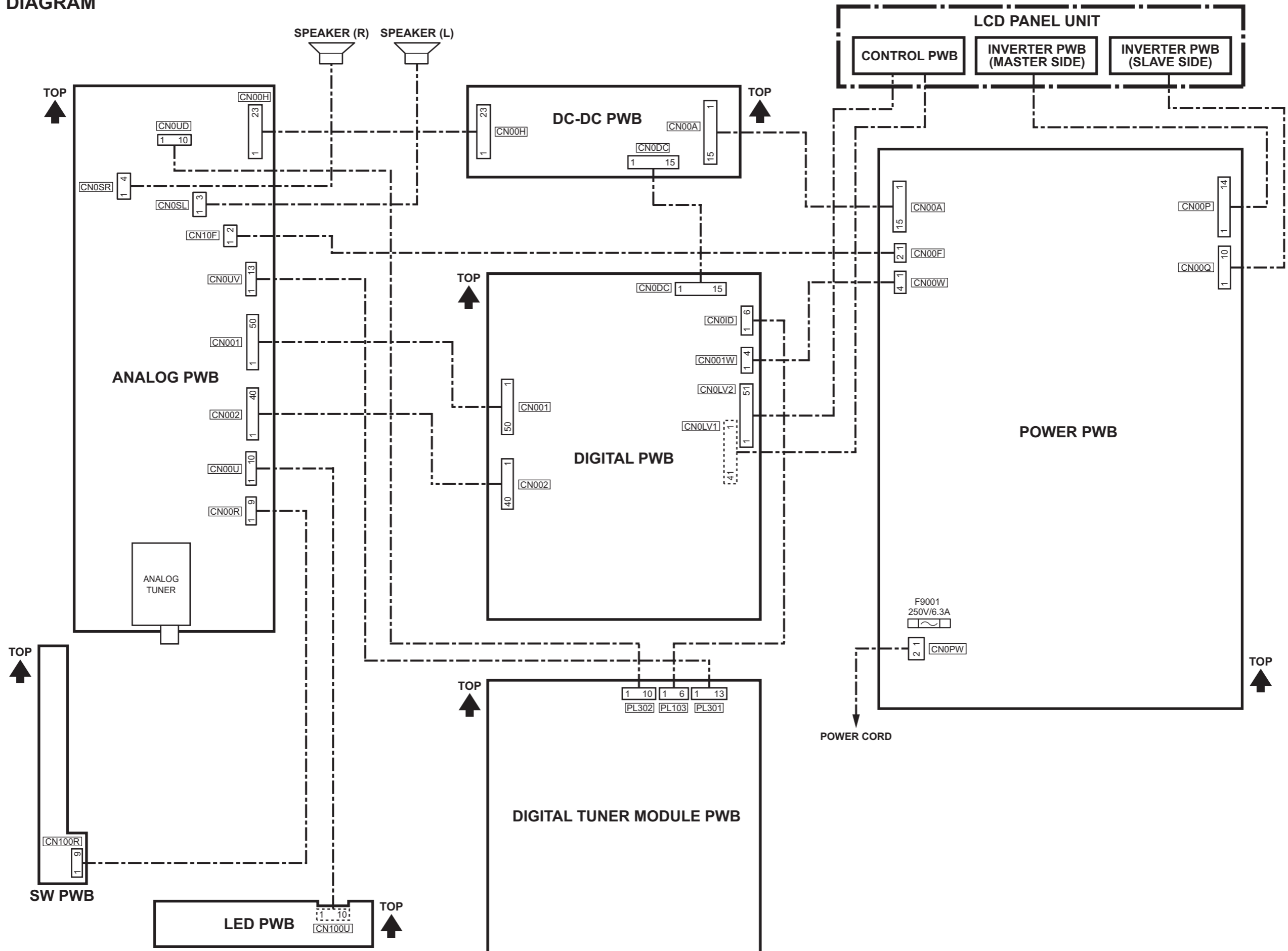
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW

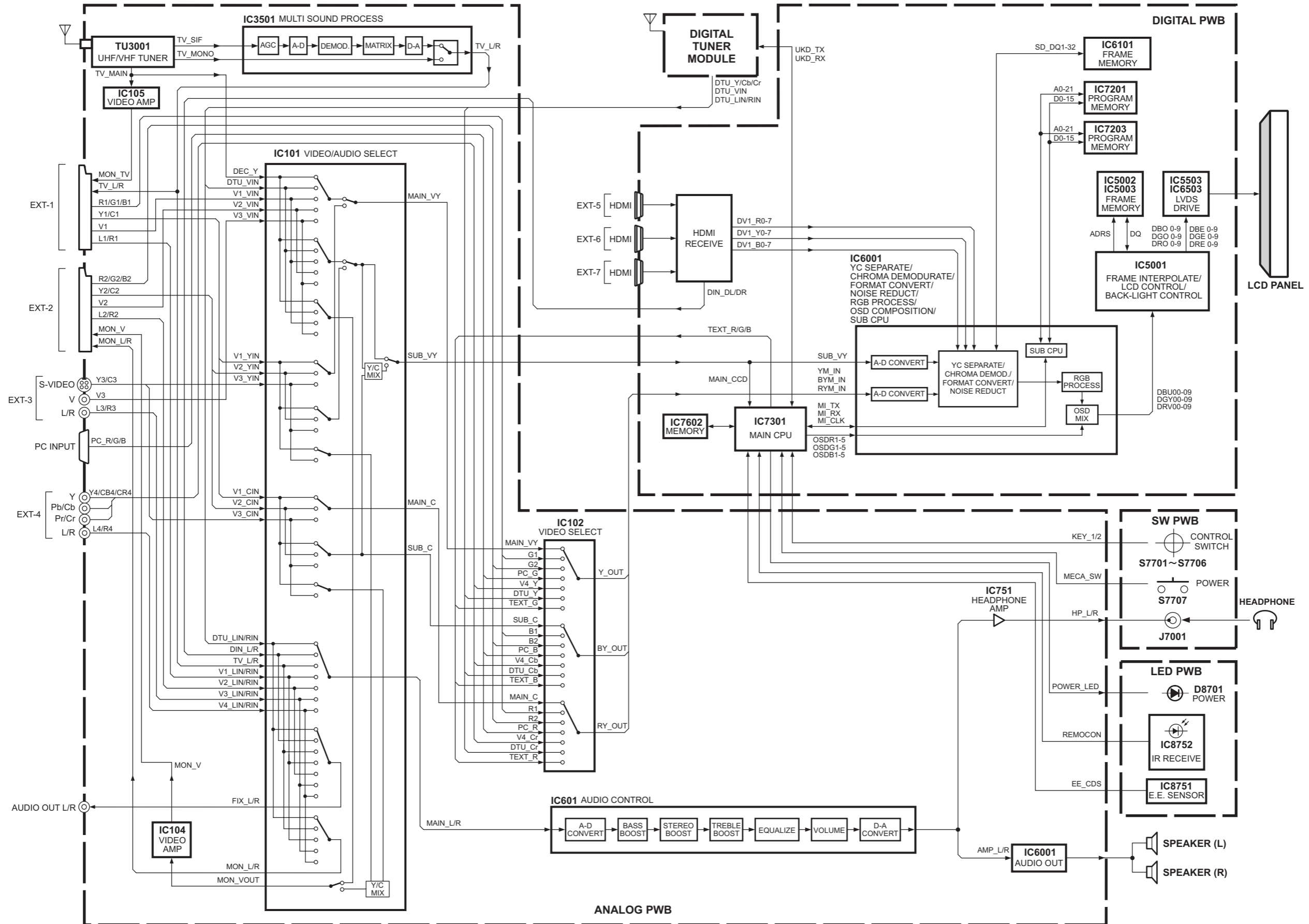
CHIP IC

TOP VIEW	

WIRING DIAGRAM



BLOCK DIAGRAM

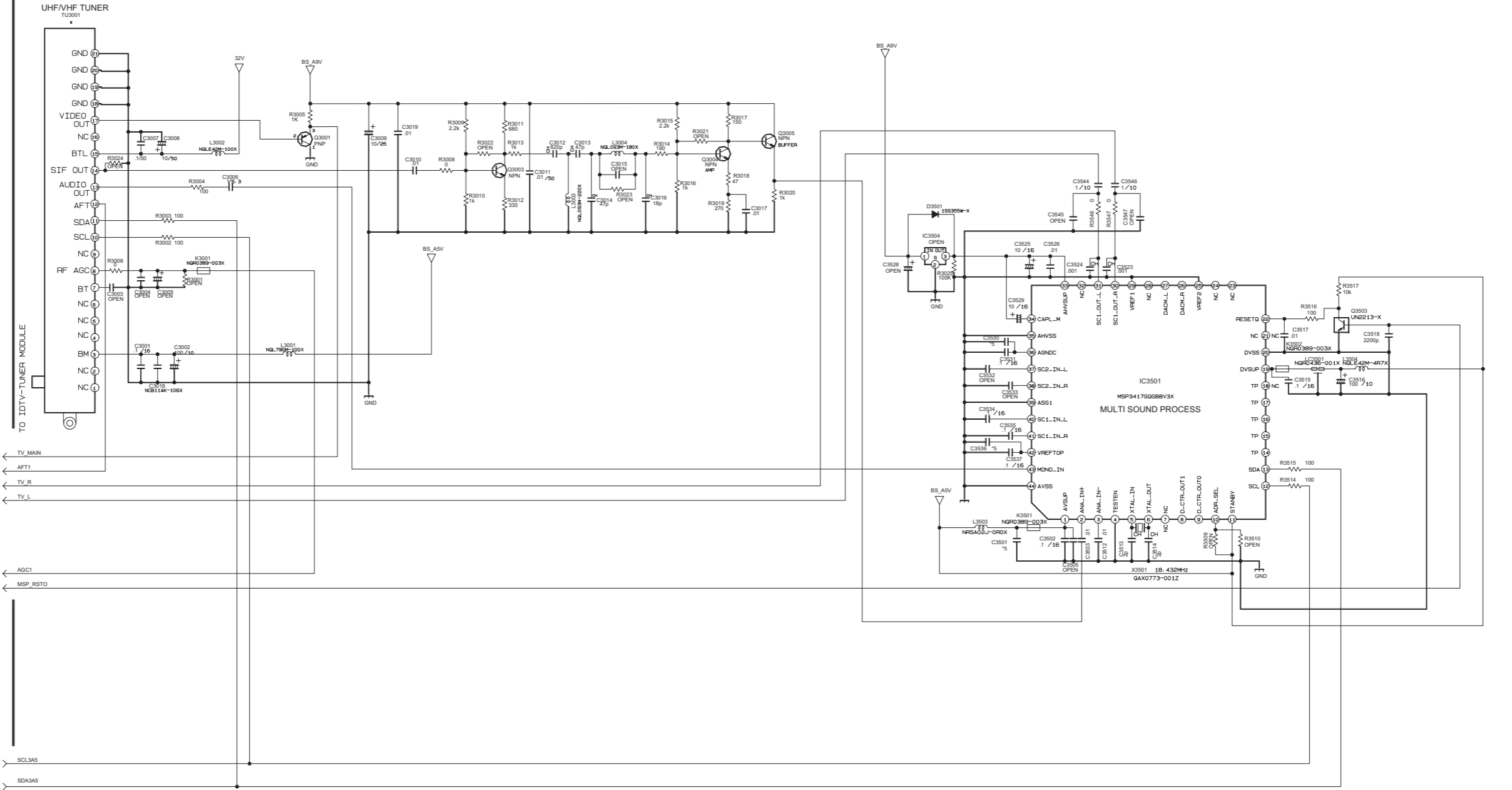


CIRCUIT DIAGRAMS

ANALOG PWB CIRCUIT DIAGRAM (1/6) [TU/MSP BLOCK] SHEET 1

ANALOG PWB ASS'Y(1/6) SFL-1251A-U2

ASSY NO.	MODEL LIST	DIFFERENCE LIST	
SFL-1251A	LT-32P880 etc. LT-37P880 etc. LT-40P880 etc. LT-42V880 etc. LT-42V880U etc. LT-47V880U etc. LT-33P880U etc. LT-37P880U etc. LT-48P880U etc.	35-37-42	35-37-42 P-series
SFL-1252A		25, 47	25, 47 P-series
		MODEL	DRW/080 P80
			DVS/V30
		ASSY NO.	SFL-1251A SFL-1252A
			OLL12632 OLL12632
		TU3001	GAU485 GAU485
			-501 -500

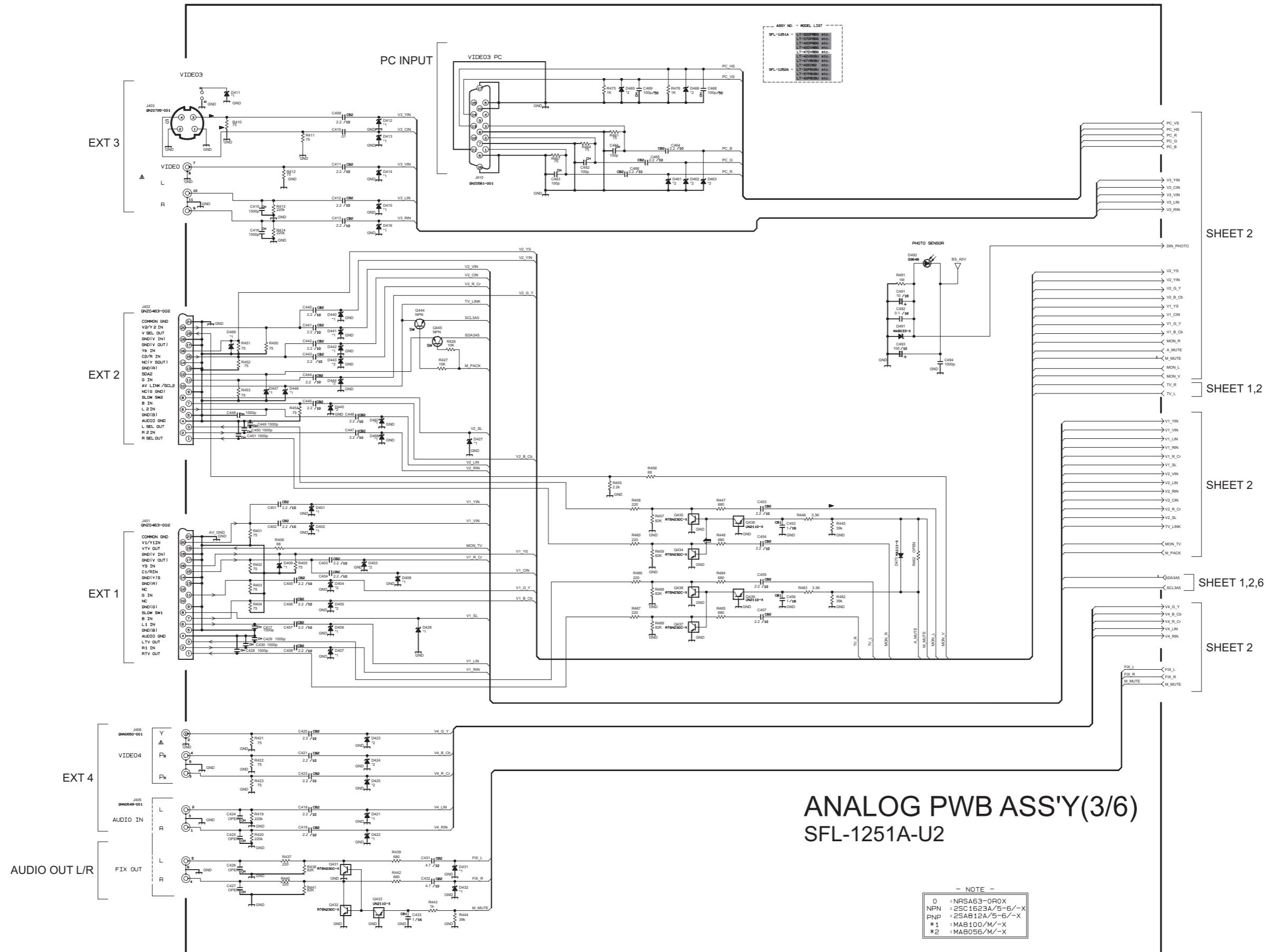


SHEET 2 TV_MAIN
SHEET 2,3 AFT1
SHEET 2,3 TV_R
SHEET 2,3 TV_L

SHEET 2 AGC1
MSP_RST0

SHEET 2,3,6 SCL3A5
SDA3A5

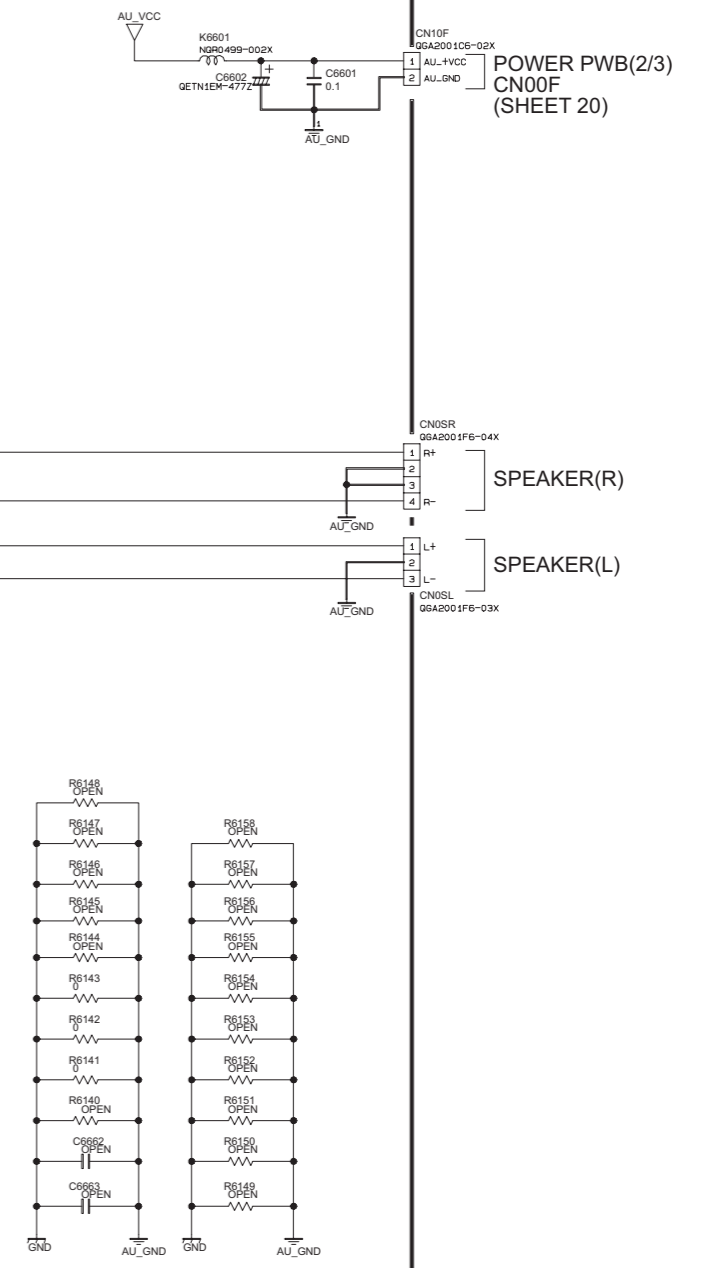
- NOTE -
OPEN : OPTION (NON MOUNT)
0 : 0
#1 : 25C2412K/GU/-X
#2 : 25A1037AK/GU/-X
#3 : 0TC323TK/-X
#4 : 0TC144EK/-X
#5 : 0NB11AK-106X



ASSY NO.	MODEL LIST
SFL-1251A	LT-33DP88G etc.
	LT-37DP88G etc.
	LT-42DP88G etc.
	LT-42DV88G etc.
SFL-1252A	LT-47DV88G etc.
	LT-42VB88G etc.
	LT-42ED82 etc.
	LT-37PB88G etc.
	LT-42PB88G etc.
	LT-42PB88G etc.

SHEET 5

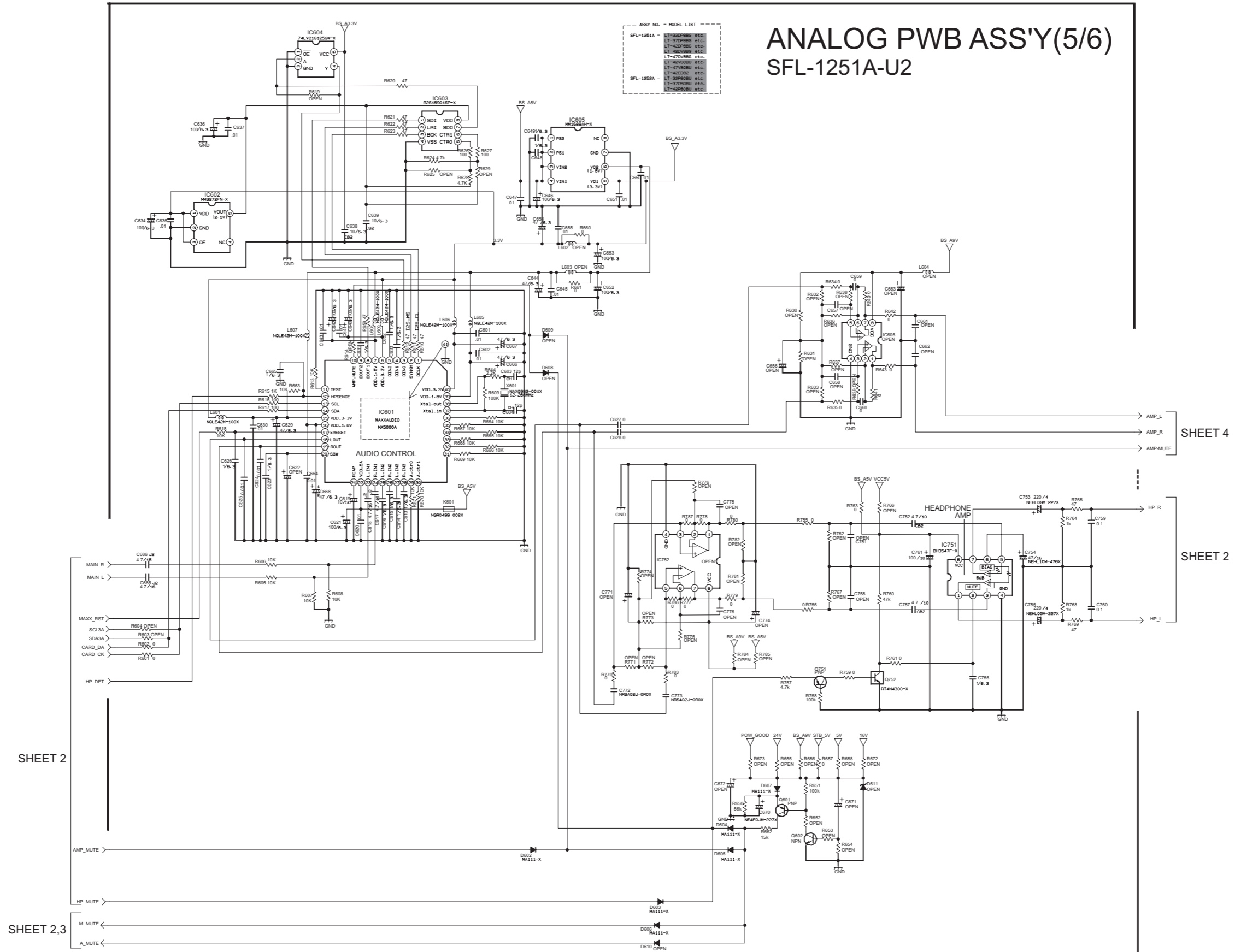
AMP_R
AMP_L
AMP-MUTE



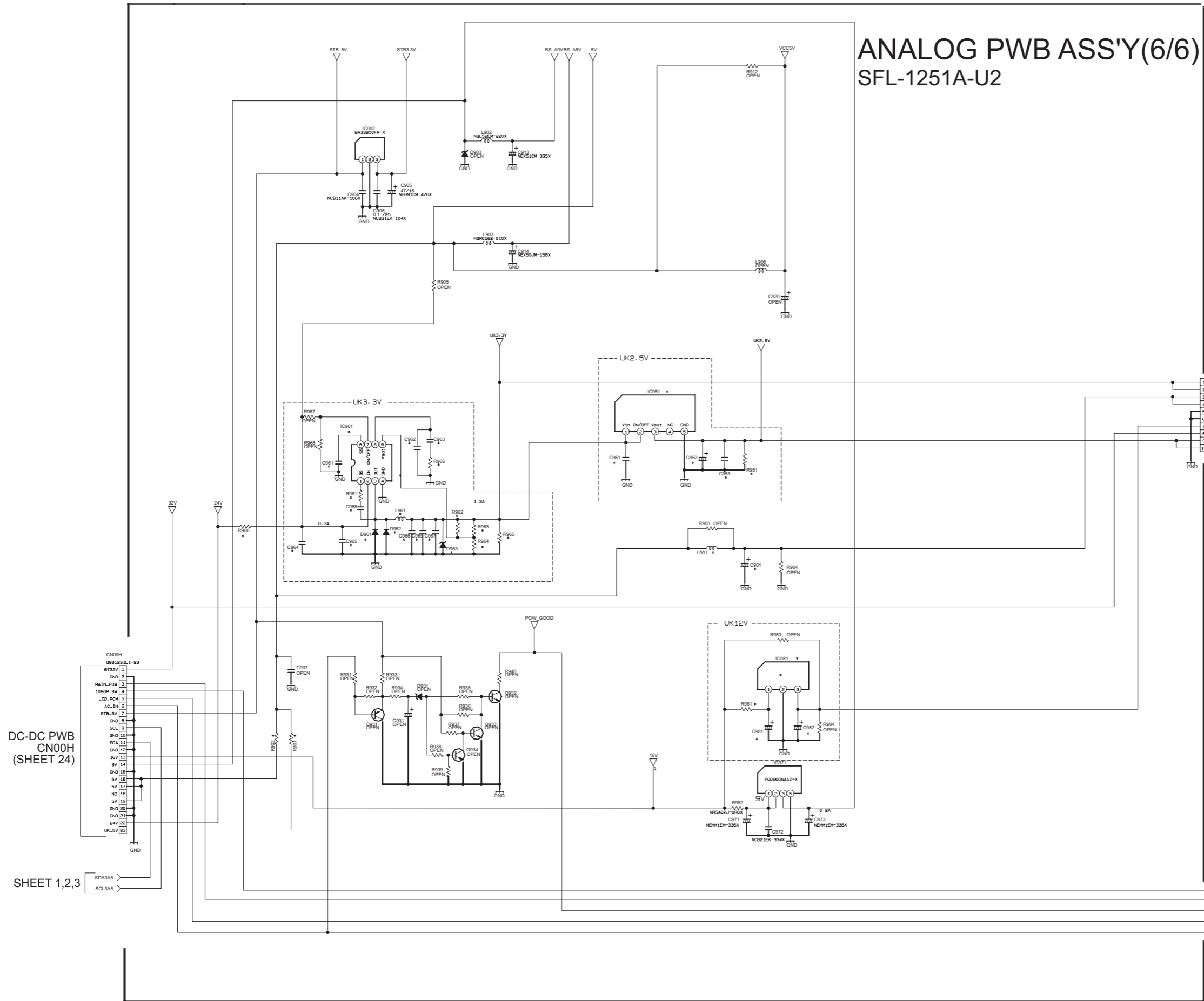
ANALOG PWB ASS'Y(4/6)
SFL-1251A-U2

ANALOG PWB ASS'Y(5/6) SFL-1251A-U2

ASSY NO.	MODEL LIST
SFL-1251A	L1-330P880 etc.
	L1-370P880 etc.
	L1-420P880 etc.
	L1-470P880 etc.
	L1-480P880 etc.
SFL-1252A	L1-470P880 etc.
	L1-480P880 etc.
	L1-330P880 etc.
	L1-370P880 etc.
	L1-420P880 etc.



ANALOG PWB ASS'Y(6/6) SFL-1251A-U2

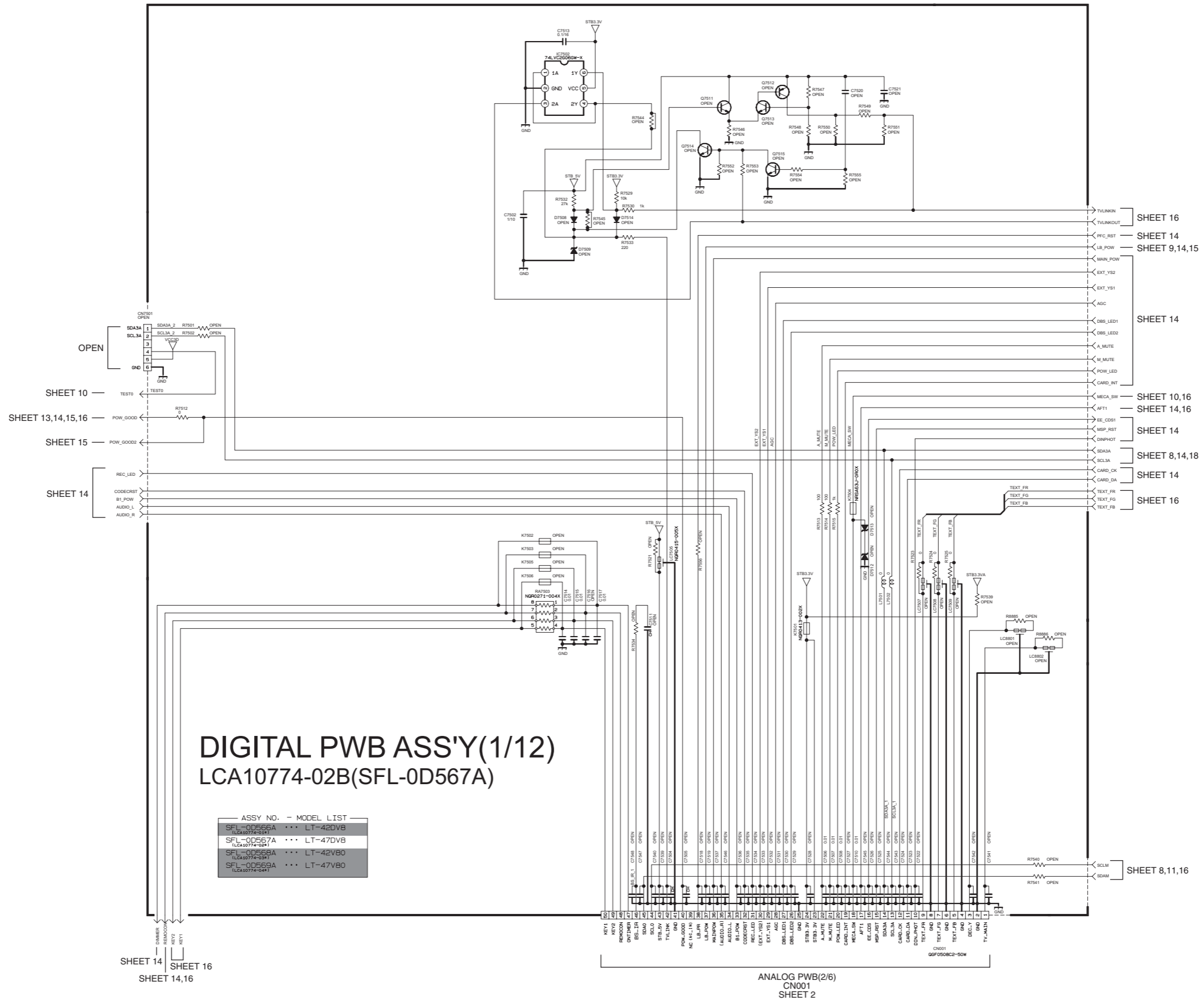


DIFFERENCE LIST

NOTE	38-37-42	38-37-42	P-series
MODEL	DVB/ESD	DVB/ESD	P-series
Abby No.	SFL-1251A	SFL-1252A	V-series
	OLL12532	OLL12532	
CN00H	00A121V11	OPEN	
R901	OPEN	NR202	
R902	NR525	OPEN	
R906	NR525	OPEN	
C901	NR202	OPEN	
L901	NR202	OPEN	
IC951	P09090NA12	OPEN	
R951	NR202	OPEN	
C951	NR202	OPEN	
C952	NR202	OPEN	
C953	NR202	OPEN	
IC961	P09090NA12	OPEN	
R961	NR202	OPEN	
R962	NR202	OPEN	
R963	NR202	OPEN	
R964	NR202	OPEN	
R965	NR202	OPEN	
R966	NR202	OPEN	
C961	NR202	OPEN	
C962	NR202	OPEN	
C963	NR202	OPEN	
C964	NR202	OPEN	
C965	NR202	OPEN	
C966	NR202	OPEN	
C967	NR202	OPEN	
C968	NR202	OPEN	
C969	NR202	OPEN	
D961	EC30H44	OPEN	
D962	EC30H44	OPEN	
D963	PT73-96-X	OPEN	
L961	NR202	OPEN	
IC981	BA12P-X	OPEN	
R981	NR202	OPEN	
C981	NR202	OPEN	
C982	NR202	OPEN	

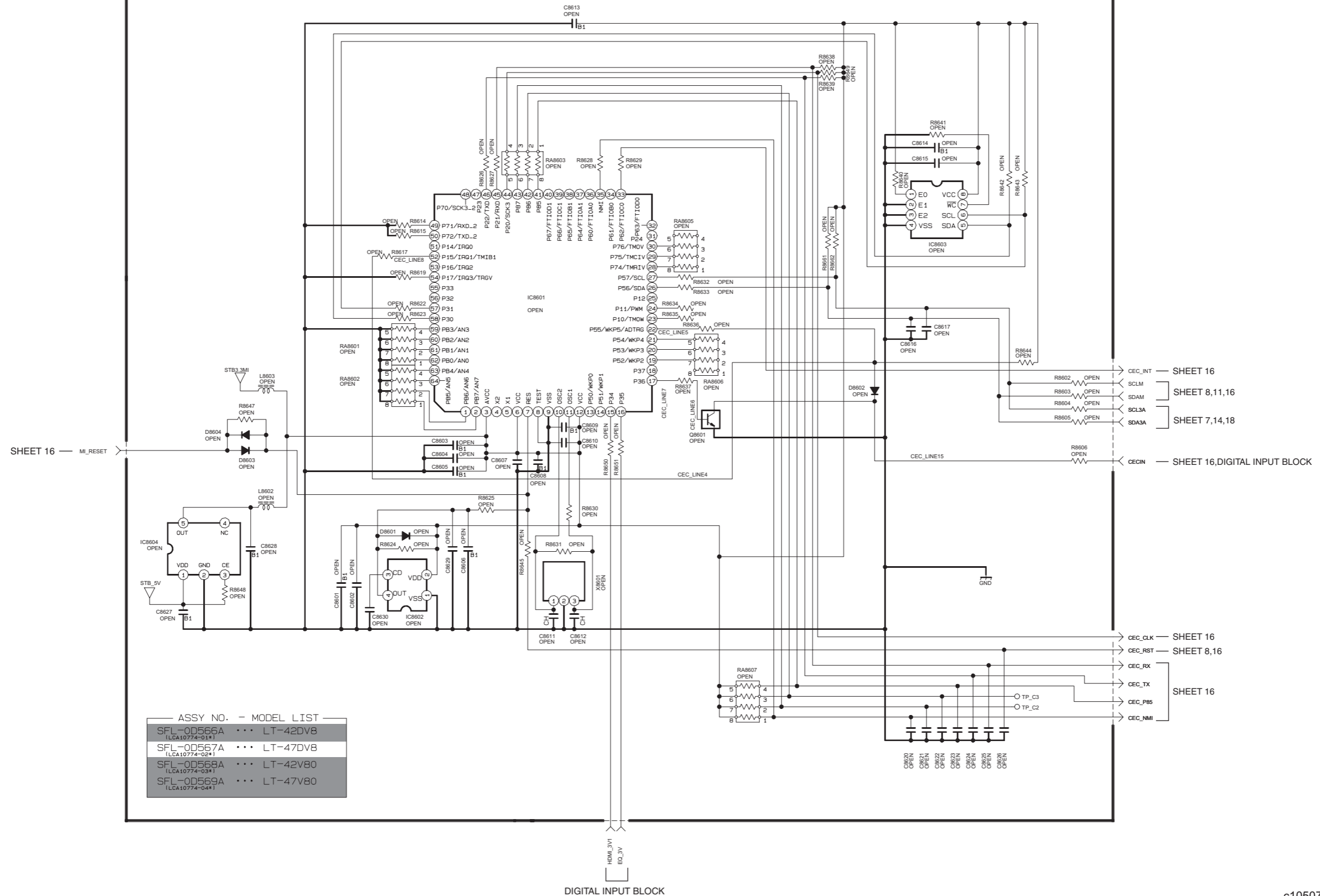
ASSY NO. - MODEL LIST

SFL-1251A	LT-30P880	#16
	LT-37P880	#16
	LT-40P880	#16
	LT-45P880	#16
	LT-47P880	#16
SFL-1252A	LT-40P880	#16
	LT-47P880	#16
	LT-48P880	#16
	LT-37P880	#16
	LT-45P880	#16



DIGITAL PWB ASS'Y(2/12)

LCA10774-02B(SFL-0D567A)



ASSY NO. - MODEL LIST

SFL-0D566A (LCA10774-01*)	LT-42DV8
SFL-0D567A (LCA10774-02*)	LT-47DV8
SFL-0D568A (LCA10774-03*)	LT-42V80
SFL-0D569A (LCA10774-04*)	LT-47V80

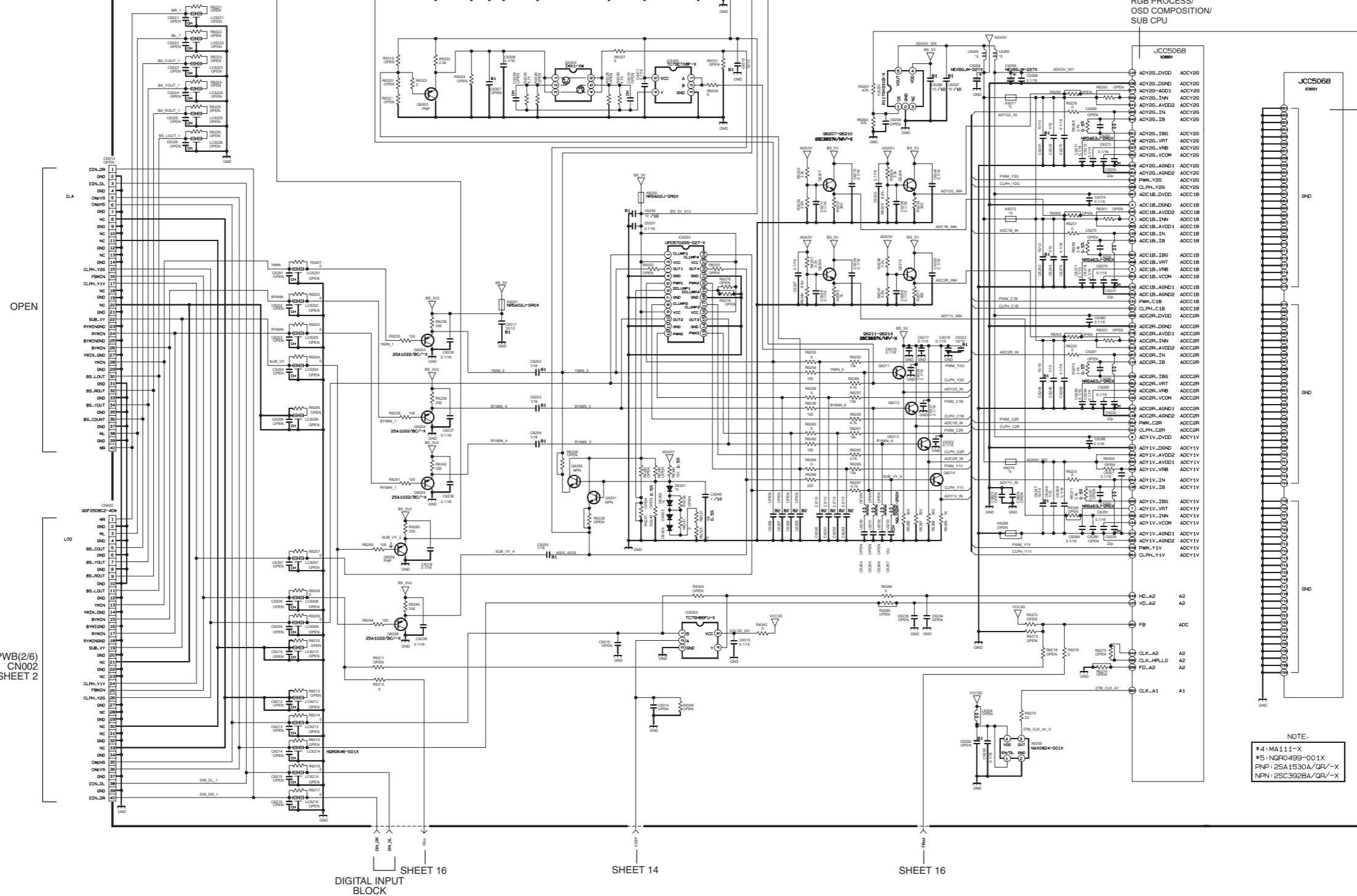
DIGITAL PWB ASS'Y(3/12)

LCA10774-02B(SFL-0D567A)

SHEET 11 — MAIN_CCD

OPEN

ANALOG PWB(2/6)
CN002
SHEET 2



YC SEPARATE/
CHROMA DEMODULATE/
FORMAT CONVERT/
NOISE REDUCT/
RGB PROCESS/
OSD COMPOSITION/
SUB CPU

←LA_POW SHEET 7,14,15

YC SEPARATE/
CHROMA DEMODULATE/
FORMAT CONVERT/
NOISE REDUCT/
RGB PROCESS/
OSD COMPOSITION/
SUB CPU

DIGITAL INPUT BLOCK

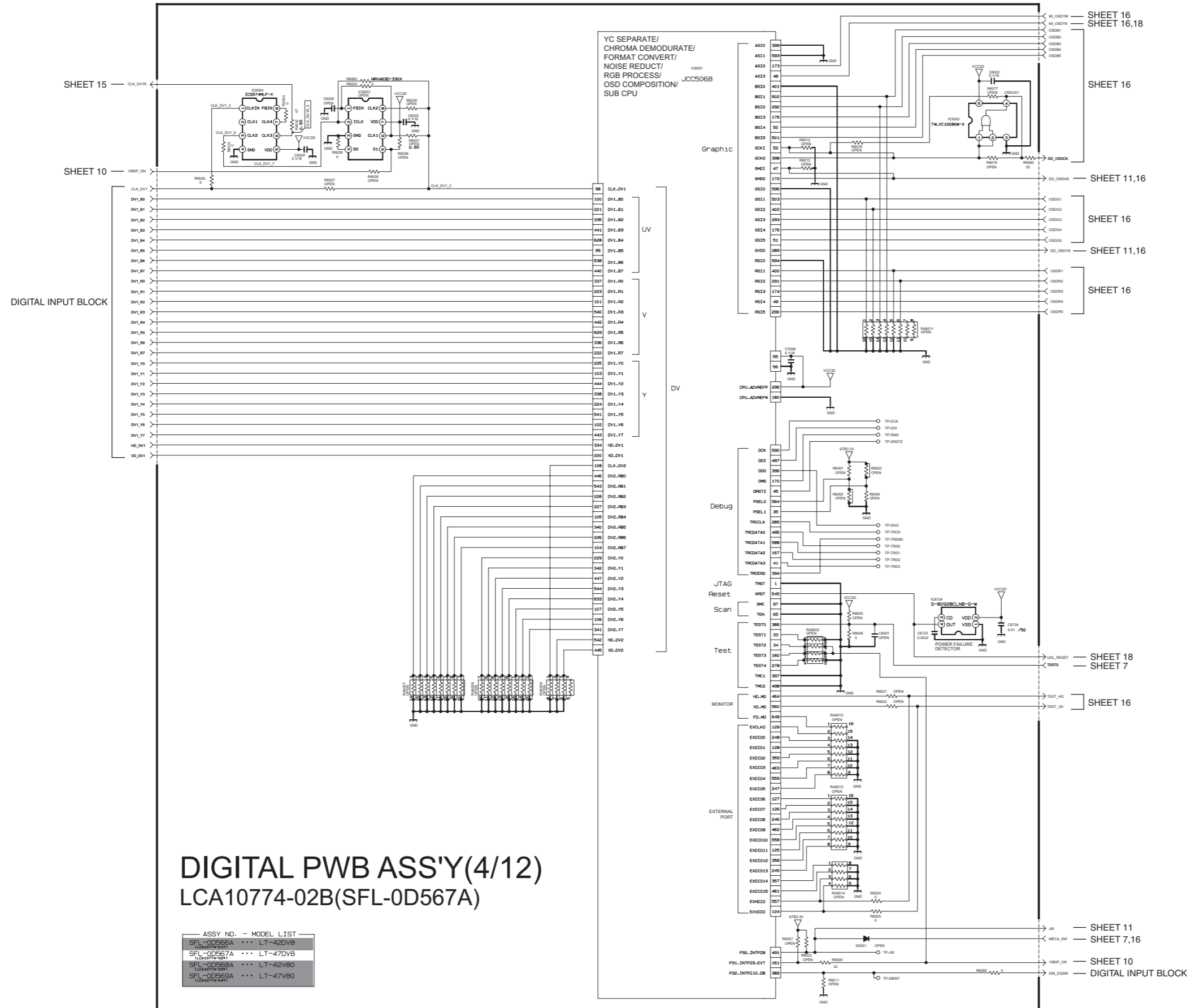
SHEET 16

SHEET 14

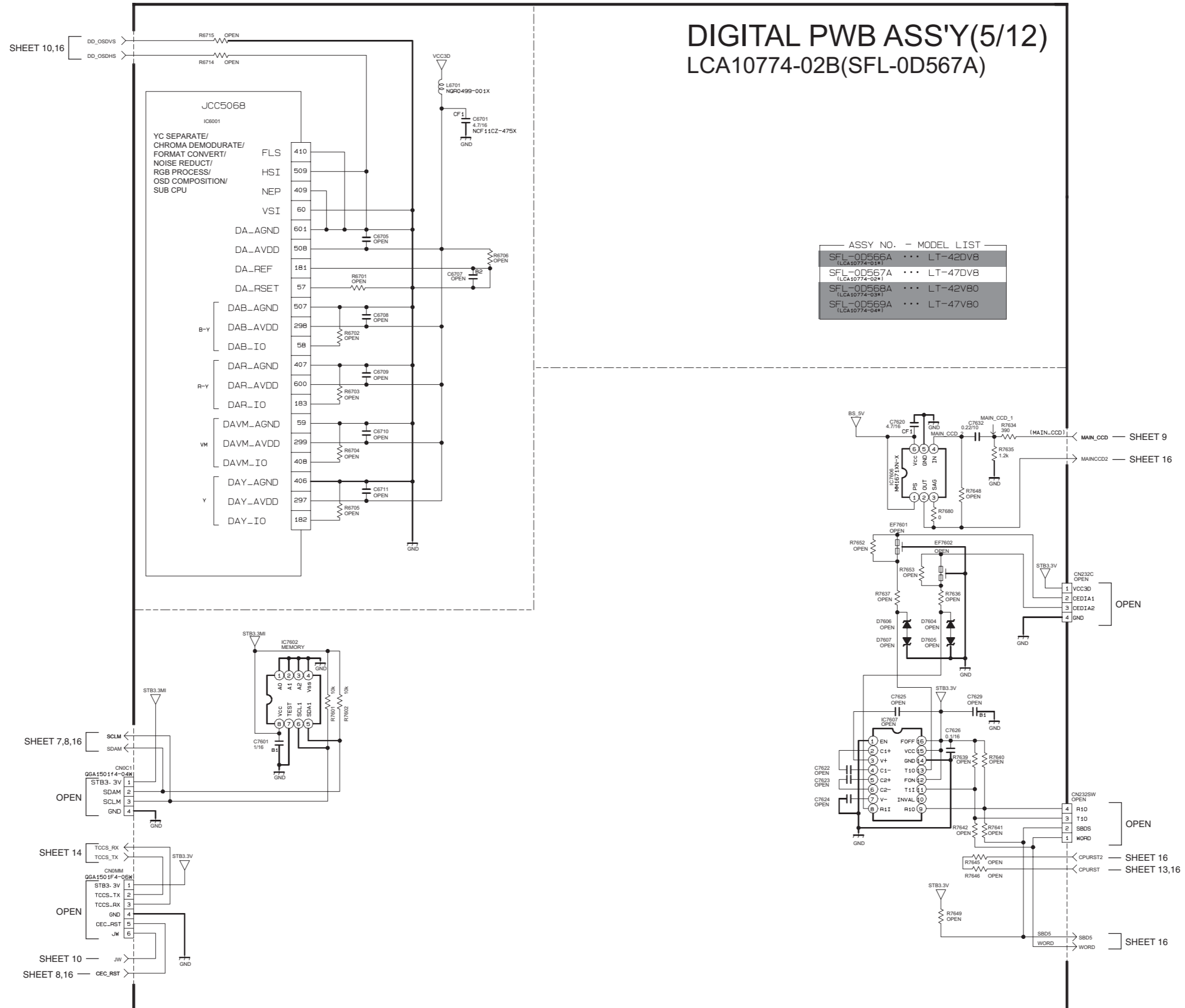
SHEET 16

NOTE:
*4:MA111-X
*5:NR0499-001X
PNP:2SA1530A/QR/-X
NPN:2SC3926A/QR/-X

ASSY NO. - MODEL LIST	
SFL-0D566A	LT-45DV8
SFL-0D567A	LT-47DV8
SFL-0D568A	LT-42V80
SFL-0D569A	LT-47V80



DIGITAL PWB ASS'Y(5/12) LCA10774-02B(SFL-0D567A)

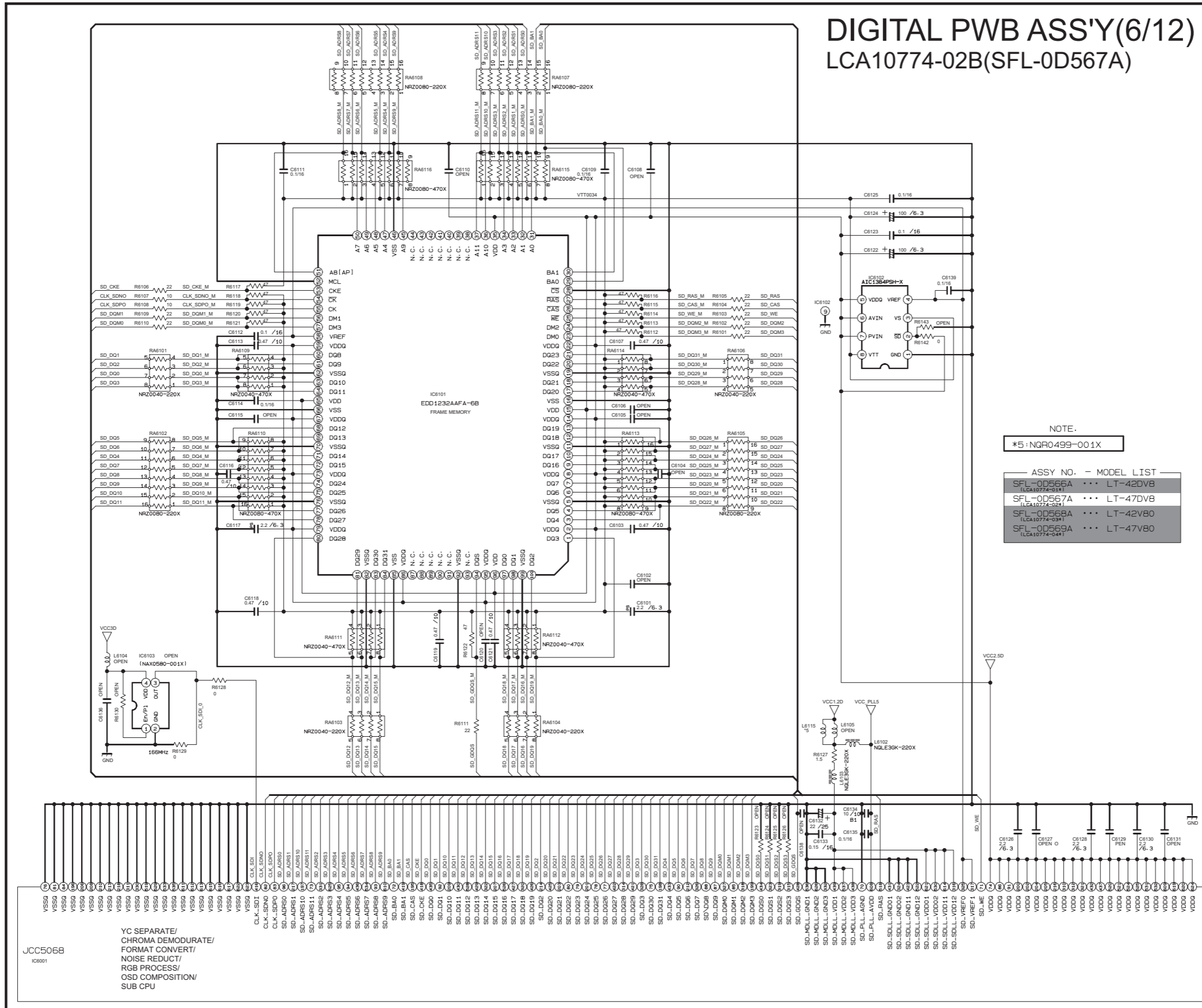


ASSY NO. - MODEL LIST

SFL-0D566A (LCA10774-02B)	...	LT-42DV8
SFL-0D567A (LCA10774-02A)	...	LT-47DV8
SFL-0D568A (LCA10774-03A)	...	LT-42V80
SFL-0D569A (LCA10774-04A)	...	LT-47V80

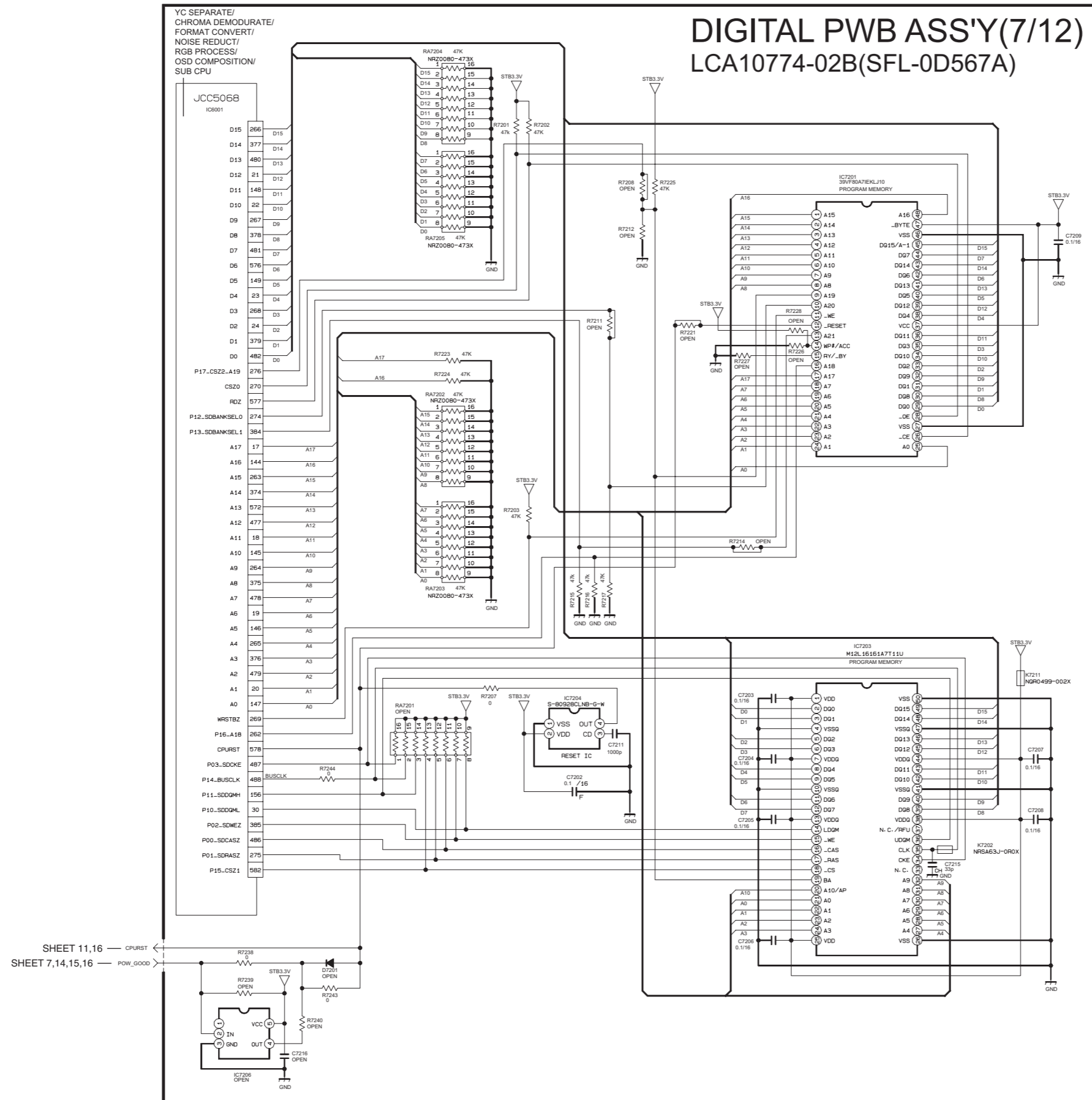
NOTE : Refer to the part list for the part number of IC7602.

DIGITAL PWB ASS'Y(6/12) LCA10774-02B(SFL-0D567A)



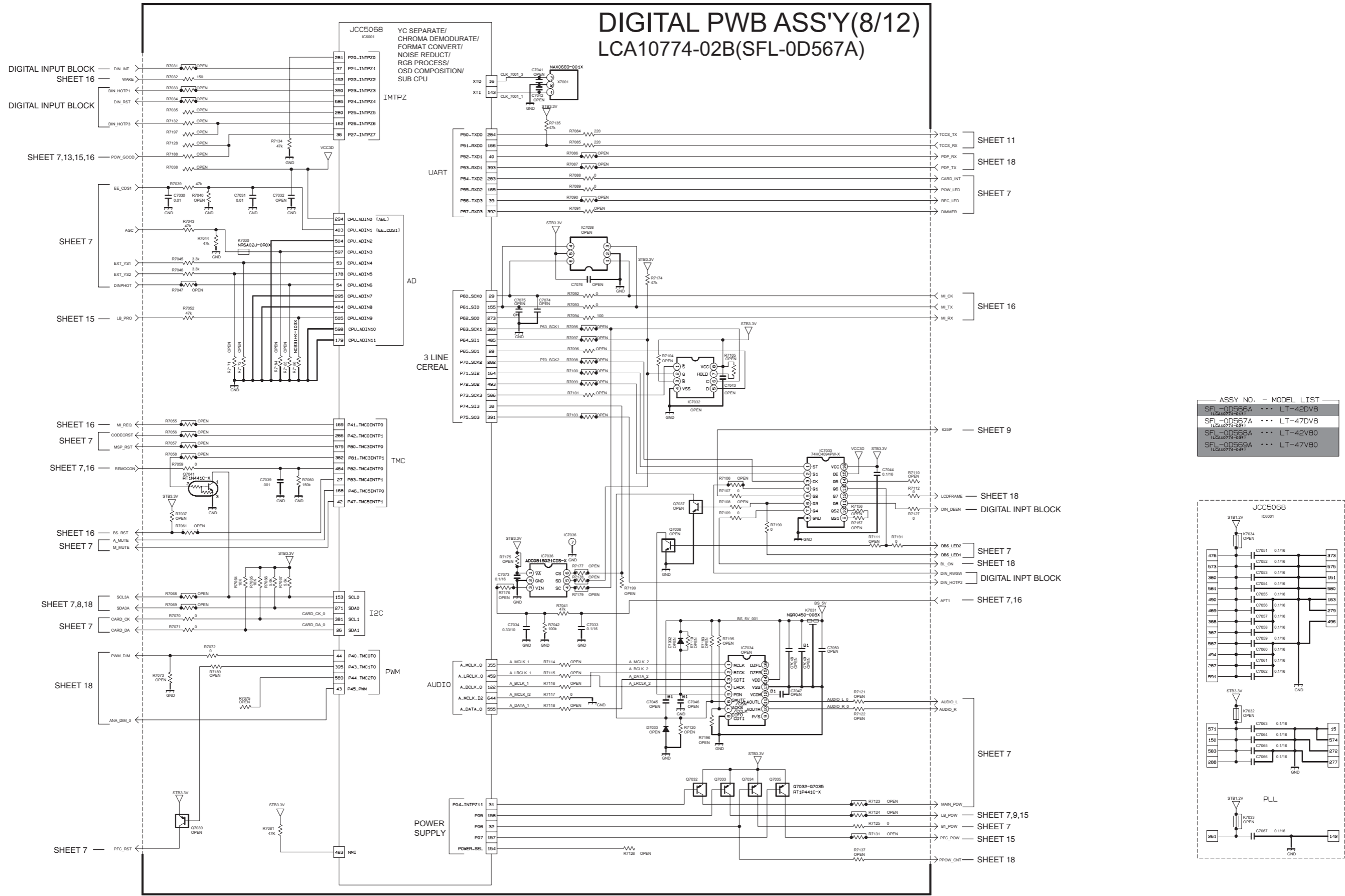
DIGITAL PWB ASS'Y(7/12)

LCA10774-02B(SFL-0D567A)

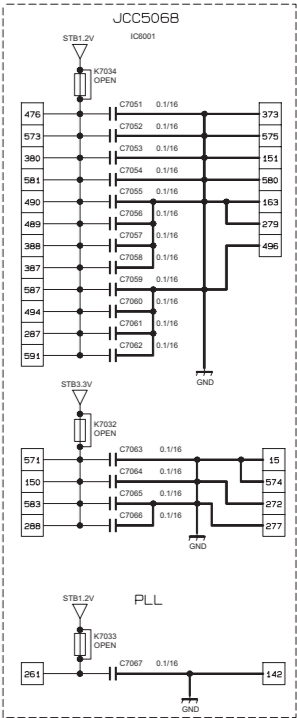


SHEET 11,16 ← CPURST
 SHEET 7,14,15,16 ← POW_GOOD

ASSY NO.	MODEL LIST
SFL-0D565A (LCA10774-02A)	LT-42DV8
SFL-0D567A (LCA10774-02B)	LT-47DV8
SFL-0D568A (LCA10774-03A)	LT-42V80
SFL-0D569A (LCA10774-04A)	LT-47V80



ASSY NO.	MODEL LIST
SFL-0D566A (LCA10774-02B)	LT-42DV8
SFL-0D567A (LCA10774-02B)	LT-47DV8
SFL-0D568A (LCA10774-02B)	LT-42V80
SFL-0D569A (LCA10774-02B)	LT-47V80

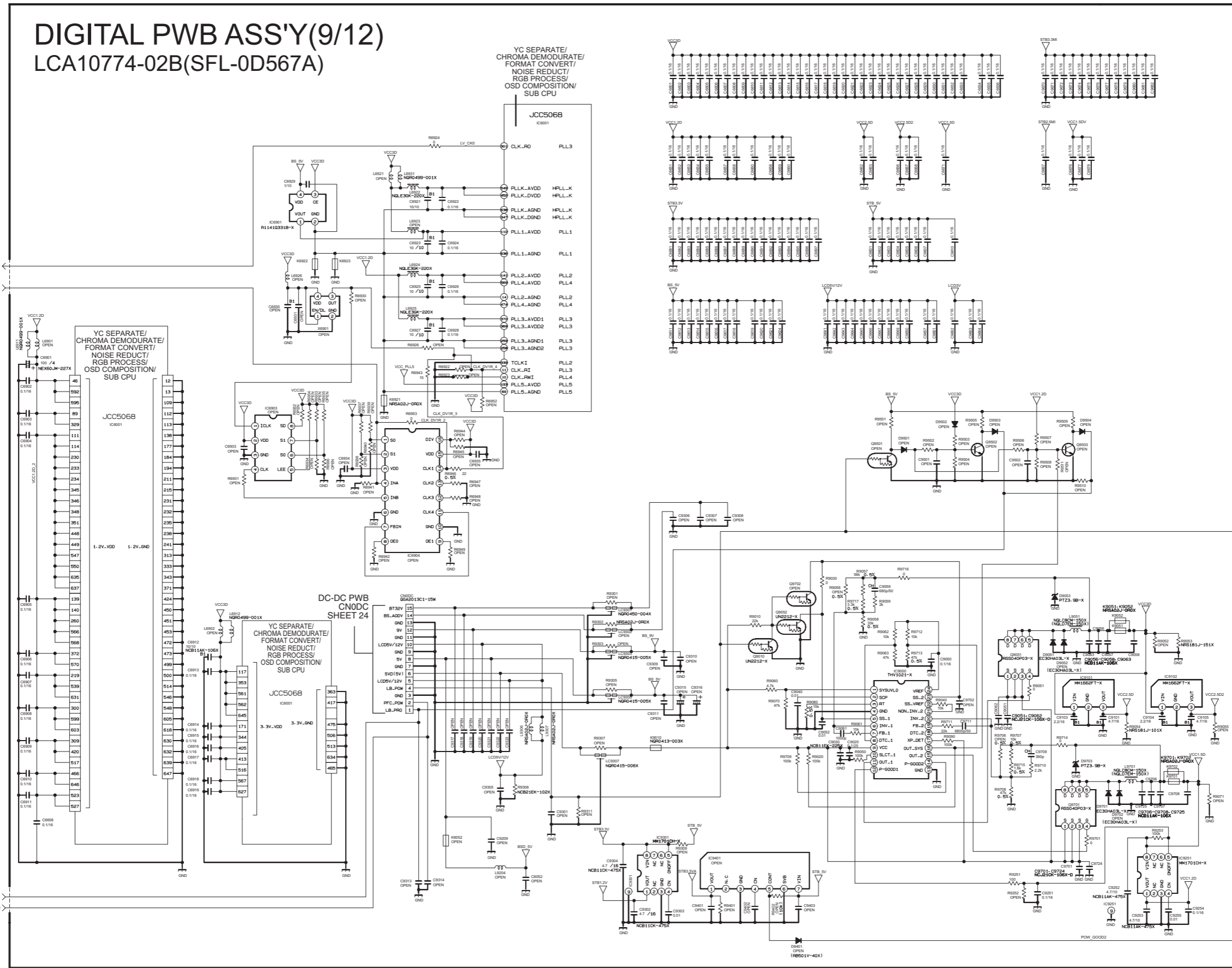


DIGITAL PWB ASS'Y(9/12)

LCA10774-02B(SFL-0D567A)

SHEET 18 — LV_OK
SHEET 10 — CLK_DIV4

SHEET 14 — LB_PWD
PFC_PWD



ASSY NO.	MODEL LIST
SFL-0D566A	LT-42DV8
SFL-0D567A	LT-47DV8
SFL-0D568A	LT-42VB0
SFL-0D569A	LT-47VB0

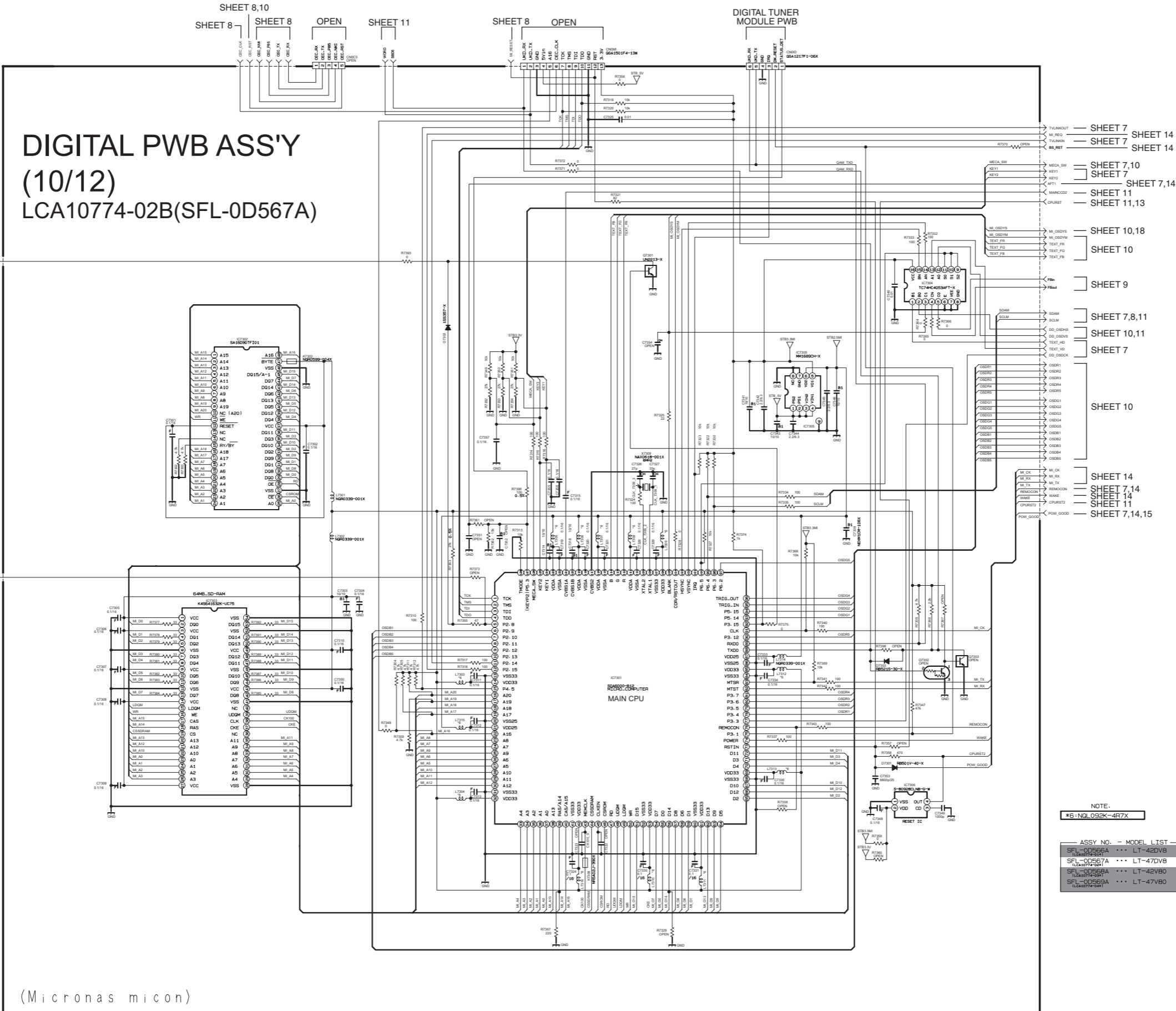
LB_PWD — SHEET 7,9,15

POW_GOOD2 — SHEET 7

DIGITAL PWB ASS'Y (10/12) LCA10774-02B(SFL-0D567A)

SHEET 8, DIGITAL INPUT BLOCK

SHEET 8



- SHEET 7
- SHEET 7
- SHEET 7,10
- SHEET 7
- SHEET 7,14
- SHEET 11
- SHEET 11,13
- SHEET 10,18
- SHEET 10
- SHEET 9
- SHEET 7,8,11
- SHEET 10,11
- SHEET 7
- SHEET 10
- SHEET 14
- SHEET 14
- SHEET 11
- SHEET 7,14,15

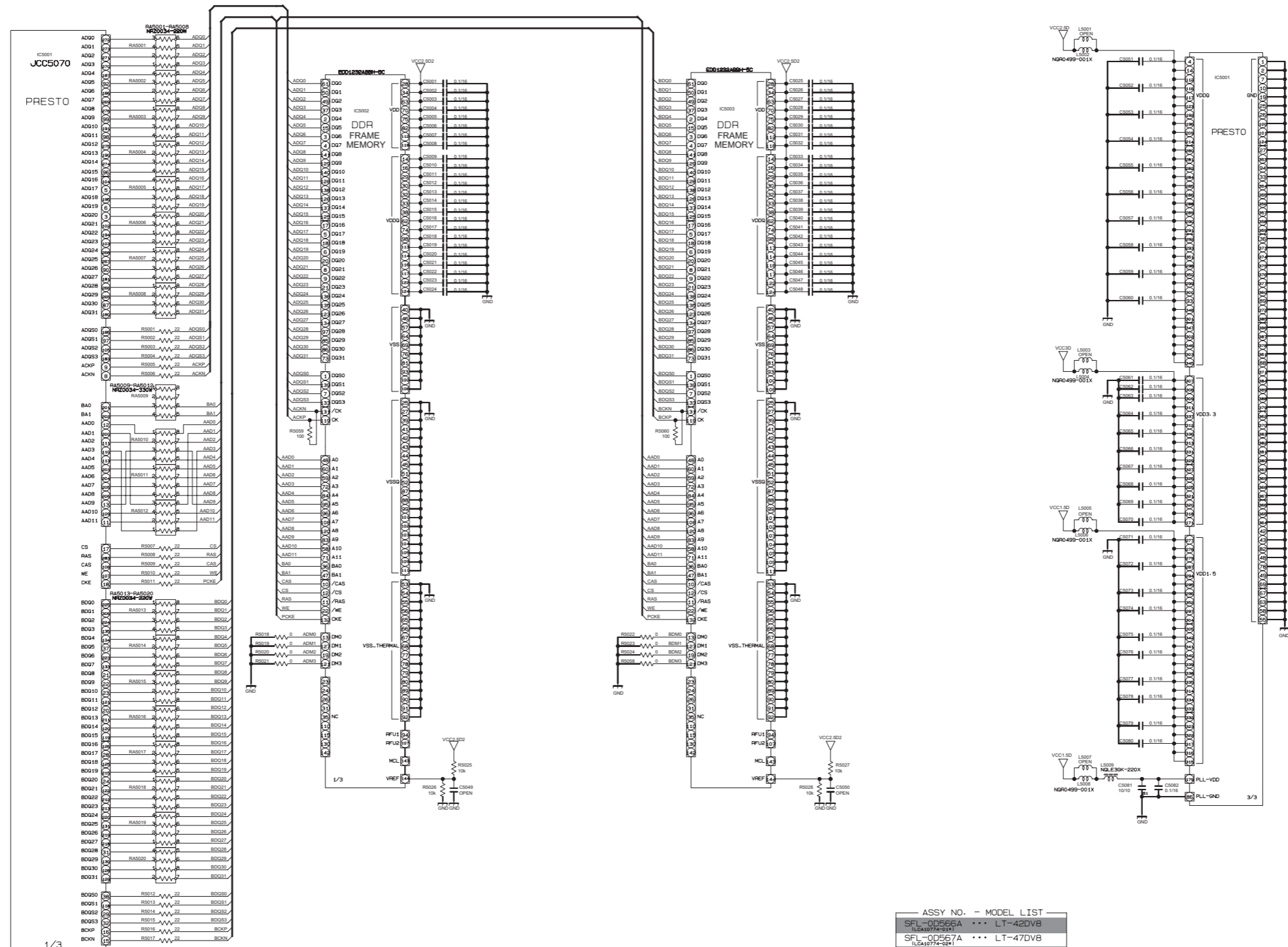
NOTE:
*6-NOL 092K-4R7X

ASSY NO.	MODEL LIST
SFL-0D566A	LT-42DV8
SFL-0D567A	LT-47DV8
SFL-0D568A	LT-42V80
SFL-0D569A	LT-47V80

(Micronas micon)

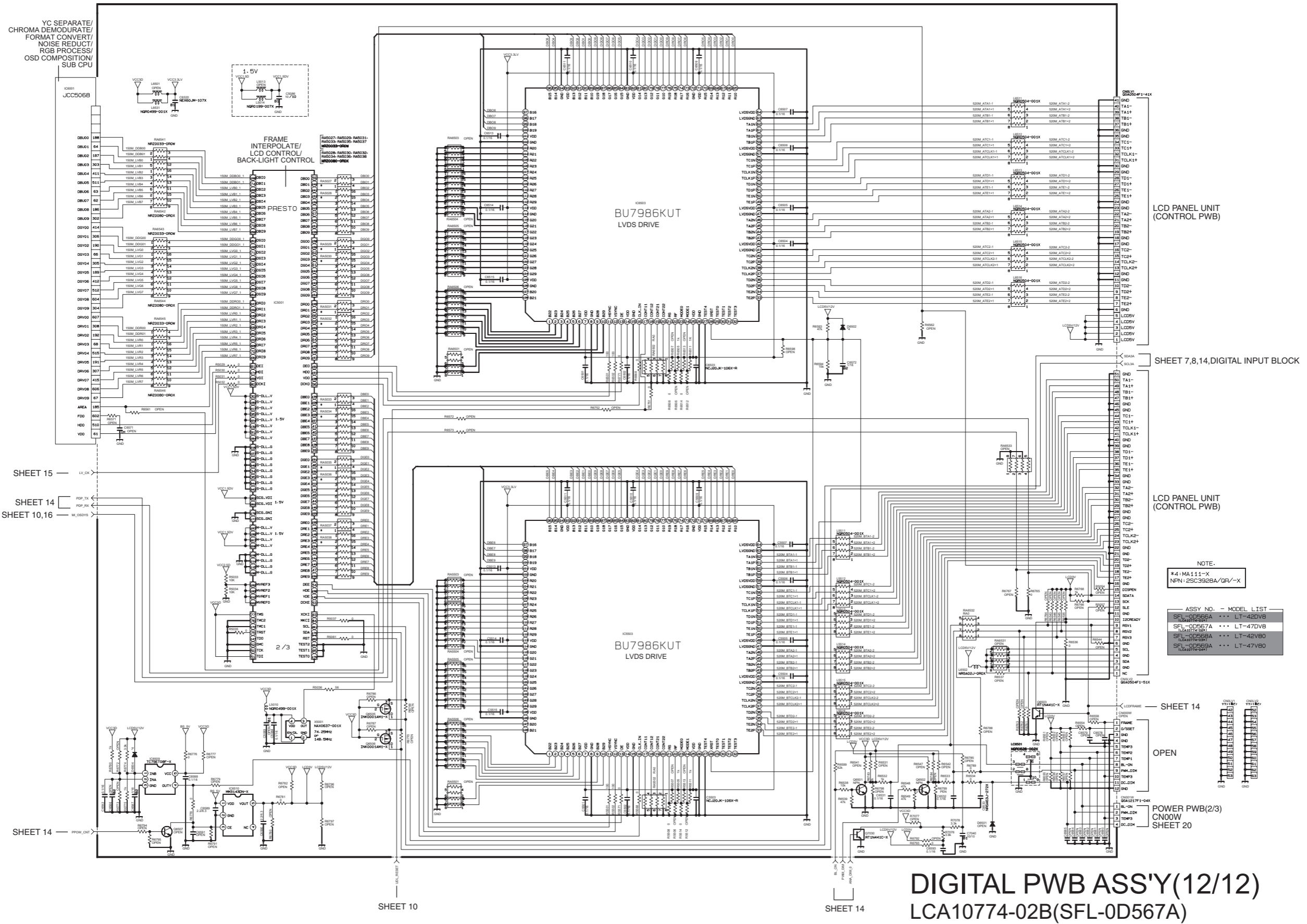
DIGITAL PWB ASS'Y(11/12)

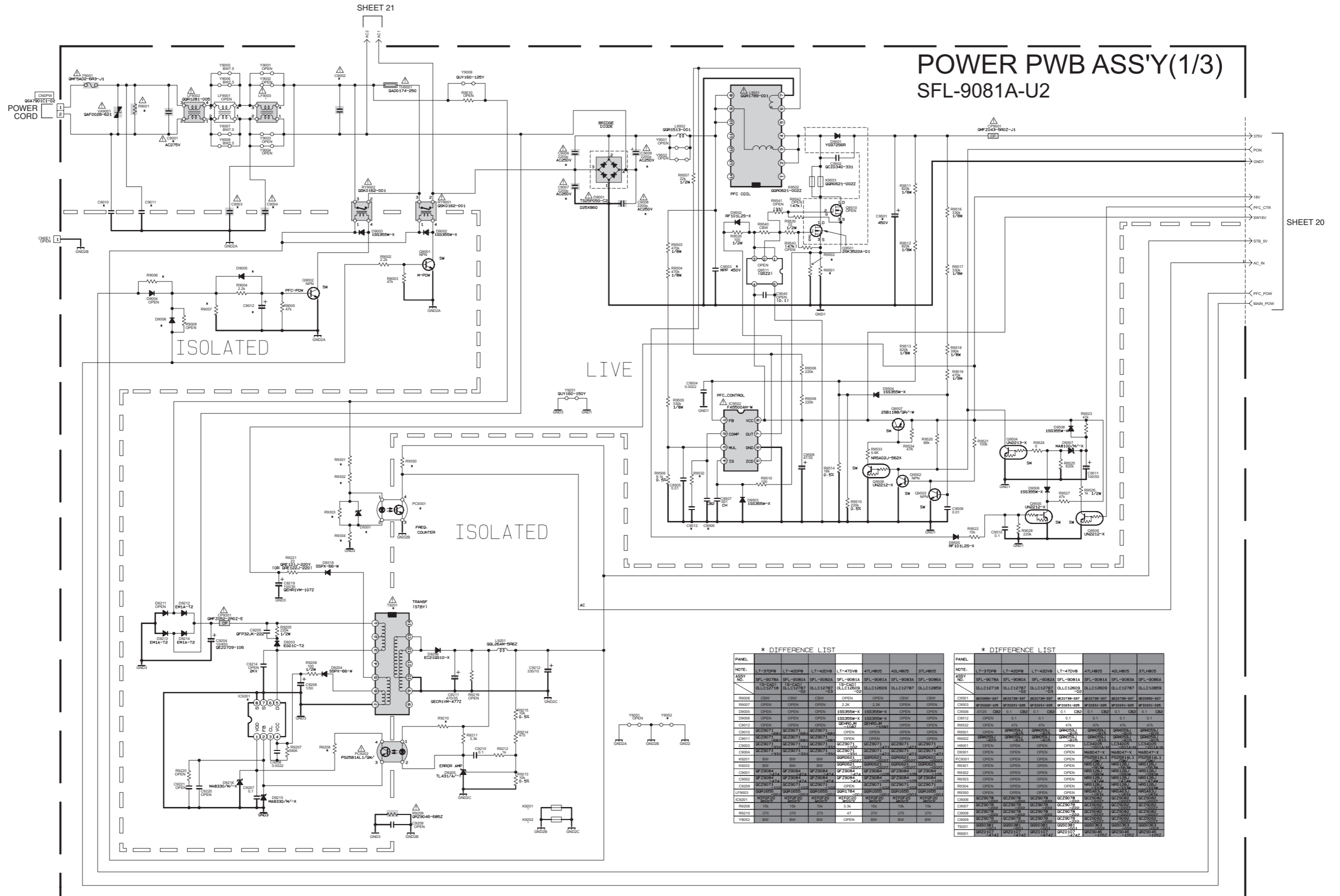
LCA10774-02B(SFL-0D567A)



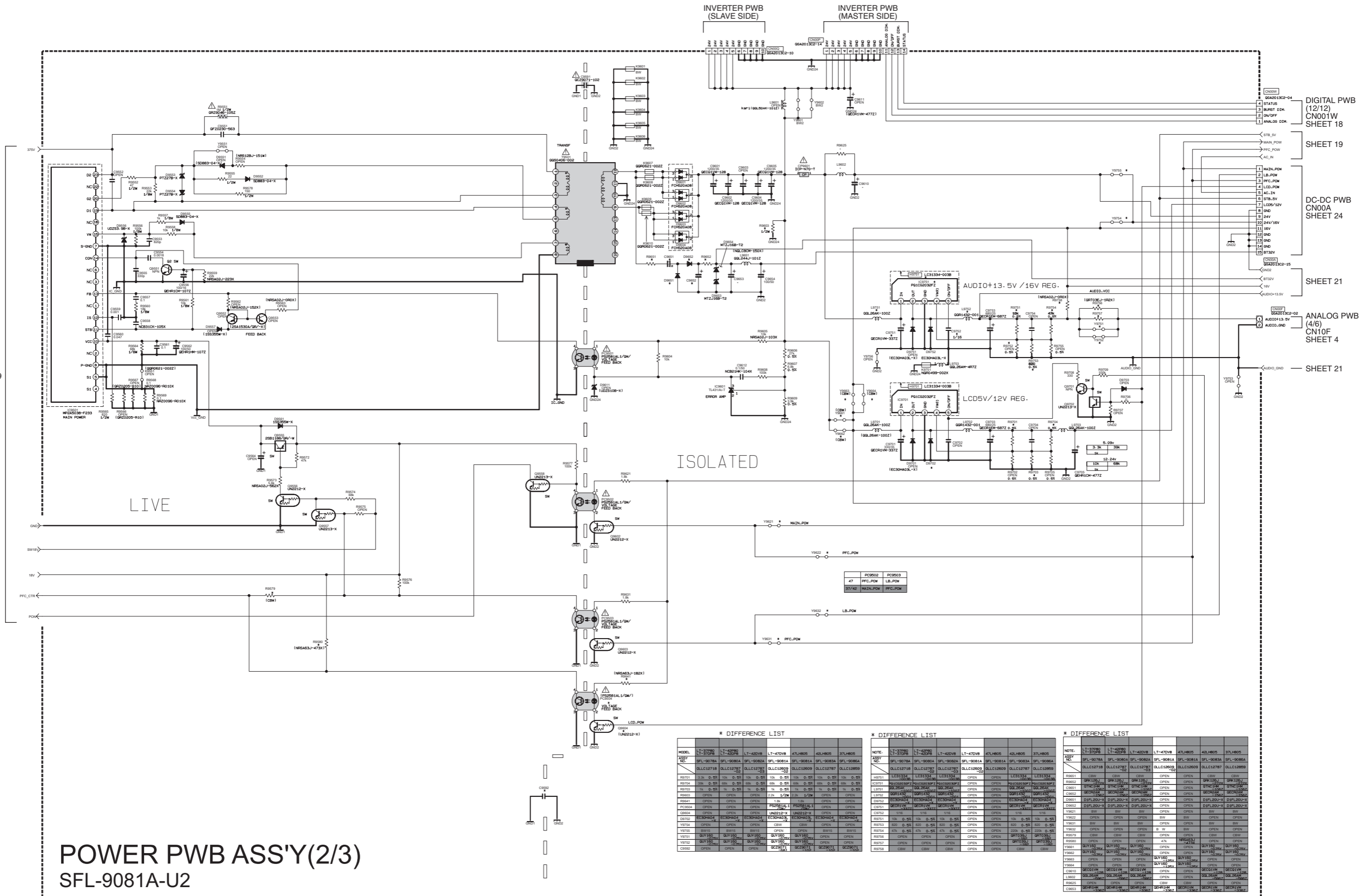
ASSY NO.	MODEL LIST
SFL-0D566A (LCA10774-01A)	... LT-42DV8
SFL-0D567A (LCA10774-02B)	... LT-47DV8
SFL-0D568A (LCA10774-03A)	... LT-42VB0
SFL-0D569A (LCA10774-04A)	... LT-47VB0

1/3





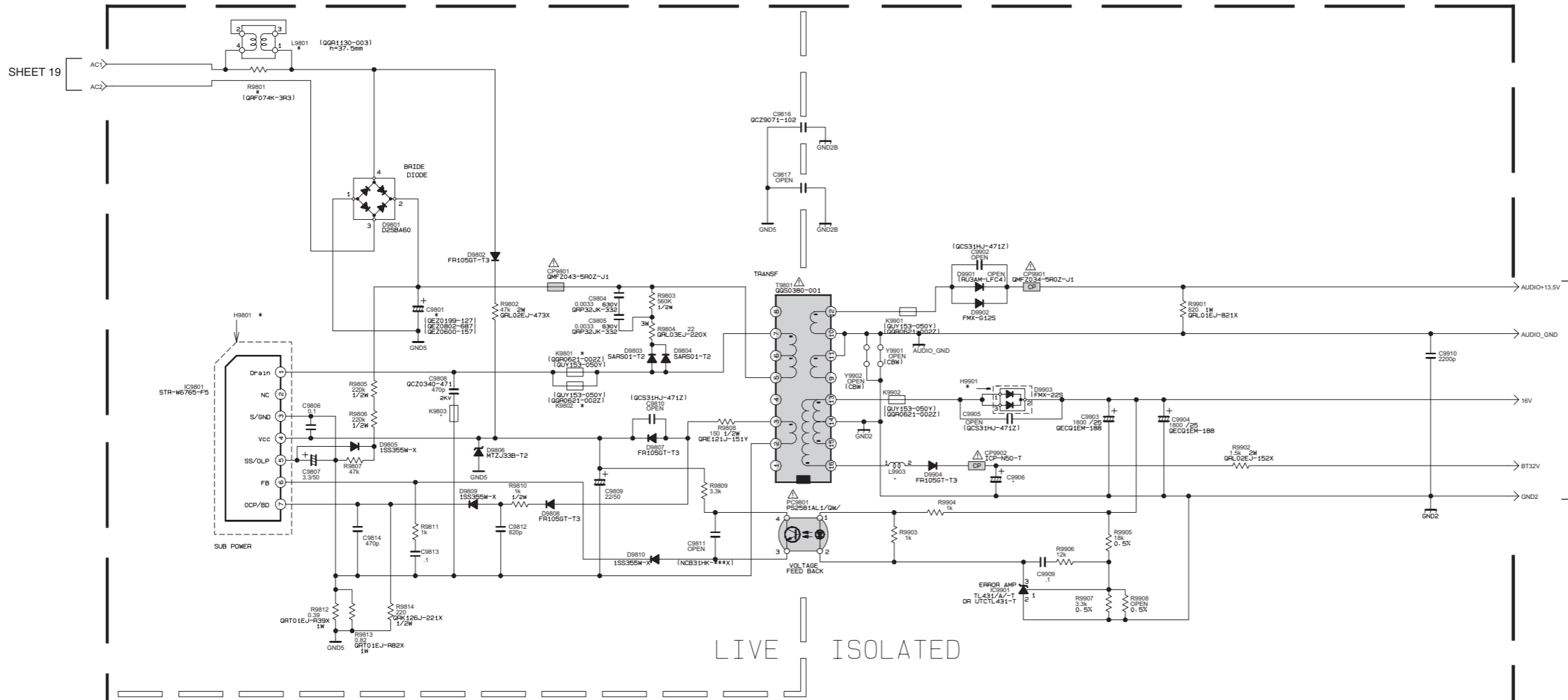
SHEET 19



POWER PWB ASS'Y(2/3)
SFL-9081A-U2

* DIFFERENCE LIST

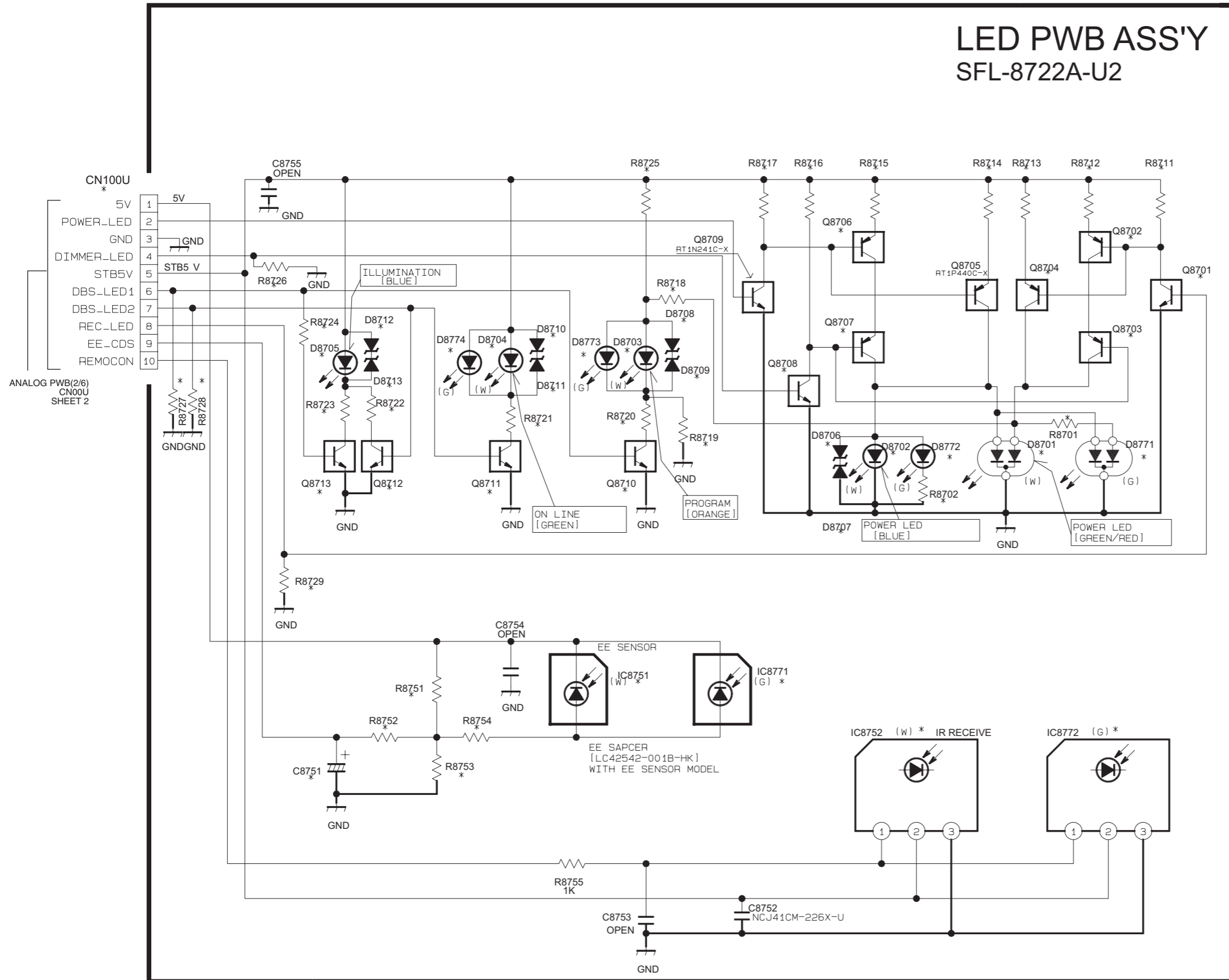
MODEL	LT-3780	LT-4280	LT-4280B	LT-4280C	47LH805	47LH805	47LH805
NOTE	SFL-9078A	SFL-9081A	SFL-9081A	SFL-9081A	SFL-9081A	SFL-9081A	SFL-9081A
ASY NO.	DLIC12718	DLIC12718	DLIC12718	DLIC12718	DLIC12718	DLIC12718	DLIC12718
R901	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R902	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R903	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R904	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R905	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R906	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R907	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R908	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R909	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R910	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R911	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R912	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R913	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R914	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R915	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R916	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R917	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R918	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R919	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R920	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R921	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R922	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R923	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R924	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R925	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R926	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R927	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R928	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R929	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R930	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R931	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R932	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R933	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R934	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R935	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R936	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R937	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R938	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R939	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R940	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R941	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R942	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R943	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R944	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R945	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R946	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R947	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R948	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R949	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R950	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R951	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R952	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R953	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R954	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R955	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R956	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R957	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R958	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R959	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R960	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R961	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R962	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R963	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R964	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R965	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R966	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R967	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R968	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R969	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R970	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R971	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R972	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R973	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R974	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R975	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R976	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R977	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R978	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R979	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R980	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R981	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R982	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R983	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R984	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R985	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R986	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R987	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R988	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R989	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R990	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R991	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R992	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R993	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R994	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R995	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R996	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R997	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R998	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R999	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1000	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN



POWER PWB ASS'Y(3/3)
SFL-9081A-U2

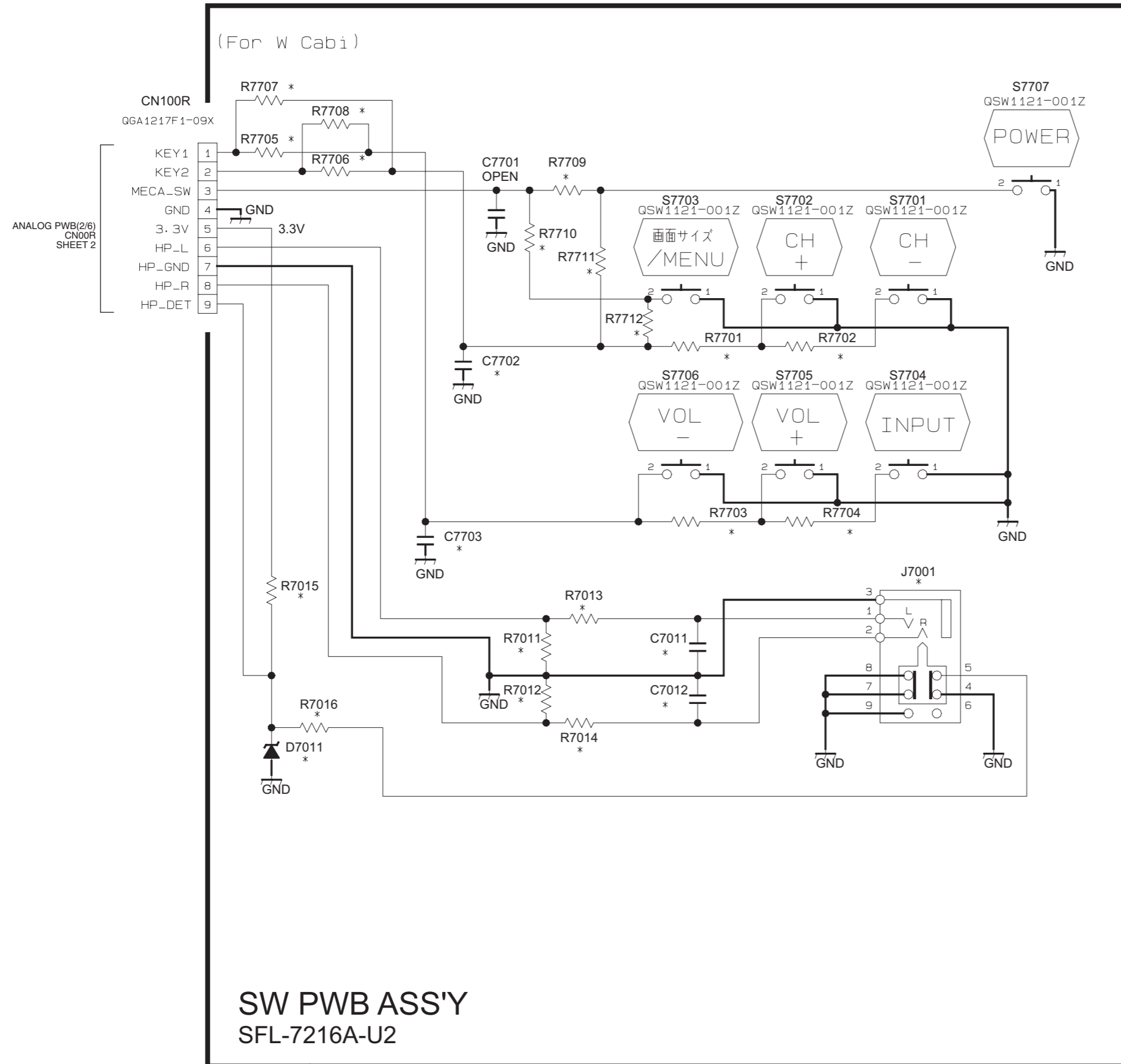
*DIFFERENCE LIST

MODEL	LT-37298 LT-37298	LT-42P90 LT-42P90	LT-42DV8 LT-42DV8	LT-47DV8 LT-47DV8	47LH805 47LH805	42LH805 42LH805	37LH805 37LH805
ASY No.	SFL-9077A	SFL-9080A	SFL-9082A	SFL-9081A	SFL-9081A	SFL-9083A	SFL-9086A
	OLL012787-03	OLL012787-03	OLL012609-03	OLL012609-03	OLL012787-03	OLL012787-03	OLL012859-03
T8801	OPEN	OPEN	OPEN	GQ50380-001	GQ50380-001	OPEN	OPEN
L8801	OPEN	OPEN	OPEN	GQR1130-003	OPEN	OPEN	OPEN
IC8801	OPEN	OPEN	OPEN	STR-W6765	STR-W6765	OPEN	OPEN
H8801	OPEN	OPEN	OPEN	LC34005	LC34005	OPEN	OPEN
PC8801	OPEN	OPEN	OPEN	PS2581-11	PS2581-11	OPEN	OPEN
CP8801	OPEN	OPEN	OPEN	QNF2034-5R02-11	QNF2034-5R02-11	OPEN	OPEN
K8801	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
K8802	OPEN	OPEN	OPEN	BW	BW	OPEN	OPEN
K8803	OPEN	OPEN	OPEN	BW	BW	OPEN	OPEN
D8801	OPEN	OPEN	OPEN	D2SBA60	D2SBA60	OPEN	OPEN
D8802	OPEN	OPEN	OPEN	FR105GT-T3	FR105GT-T3	OPEN	OPEN
D8803	OPEN	OPEN	OPEN	SARS01-T2	SARS01-T2	OPEN	OPEN
D8804	OPEN	OPEN	OPEN	SARS01-T2	SARS01-T2	OPEN	OPEN
D8805	OPEN	OPEN	OPEN	ISS395W-X	ISS395W-X	OPEN	OPEN
D8806	OPEN	OPEN	OPEN	MTZJ33B-T2	MTZJ33B-T2	OPEN	OPEN
D8807	OPEN	OPEN	OPEN	FR105GT-T3	FR105GT-T3	OPEN	OPEN
D8808	OPEN	OPEN	OPEN	FR105GT-T3	FR105GT-T3	OPEN	OPEN
D8809	OPEN	OPEN	OPEN	ISS395W-X	ISS395W-X	OPEN	OPEN
D8810	OPEN	OPEN	OPEN	ISS395W-X	ISS395W-X	OPEN	OPEN
C8801	OPEN	OPEN	OPEN	GE20476-167	GE20476-167	OPEN	OPEN
C8804	OPEN	OPEN	OPEN	QFP32K-332	QFP32K-332	OPEN	OPEN
C8805	OPEN	OPEN	OPEN	QFP32K-332	QFP32K-332	OPEN	OPEN
C8806	OPEN	OPEN	OPEN	0.1	0.1	OPEN	OPEN
C8807	OPEN	OPEN	OPEN	3.350	3.350	OPEN	OPEN
C8808	OPEN	OPEN	OPEN	QC20340	QC20340	OPEN	OPEN
C8809	OPEN	OPEN	OPEN	2250	2250	OPEN	OPEN
C8810	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8811	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8812	OPEN	OPEN	OPEN	820p	820p	OPEN	OPEN
C8813	OPEN	OPEN	OPEN	0.1	0.1	OPEN	OPEN
C8814	OPEN	OPEN	OPEN	470p	470p	OPEN	OPEN
C8816	OPEN	OPEN	OPEN	QC29071-102	QC29071-102	OPEN	OPEN
C8817	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R8801	OPEN	OPEN	OPEN	QFP074K-3R3	QFP074K-3R3	OPEN	OPEN
R8802	OPEN	OPEN	OPEN	GRLO5EJ-473X	GRLO5EJ-473X	OPEN	OPEN
R8803	OPEN	OPEN	OPEN	500k 1/2W	500k 1/2W	OPEN	OPEN
R8804	OPEN	OPEN	OPEN	GRLO3EJ-220X	GRLO3EJ-220X	OPEN	OPEN
R8805	OPEN	OPEN	OPEN	220k 1/2W	220k 1/2W	OPEN	OPEN
R8806	OPEN	OPEN	OPEN	220k 1/2W	220k 1/2W	OPEN	OPEN
R8807	OPEN	OPEN	OPEN	47k	47k	OPEN	OPEN
R8808	OPEN	OPEN	OPEN	150 1/2W	150 1/2W	OPEN	OPEN
R8809	OPEN	OPEN	OPEN	3.3k	3.3k	OPEN	OPEN
R8810	OPEN	OPEN	OPEN	1k 1/2W	1k 1/2W	OPEN	OPEN
R8811	OPEN	OPEN	OPEN	1k	1k	OPEN	OPEN
R8812	OPEN	OPEN	OPEN	GRTO1EJ-300X	GRTO1EJ-300X	OPEN	OPEN
R8813	OPEN	OPEN	OPEN	GRTO1EJ-300X	GRTO1EJ-300X	OPEN	OPEN
R8814	OPEN	OPEN	OPEN	GRK10EJ-201X	GRK10EJ-201X	OPEN	OPEN
IC8901	OPEN	OPEN	OPEN	TL431/A-T	TL431/A-T	OPEN	OPEN
H8901	OPEN	OPEN	OPEN	LC42130-203A	LC42130-203A	OPEN	OPEN
D8902	OPEN	OPEN	OPEN	FMX-0125	FMX-0125	OPEN	OPEN
D8903	OPEN	OPEN	OPEN	FMX-225	FMX-225	OPEN	OPEN
D8904	OPEN	OPEN	OPEN	FR105GT-T3	FR105GT-T3	OPEN	OPEN
K8901	OPEN	OPEN	OPEN	BW	BW	OPEN	OPEN
K8902	OPEN	OPEN	OPEN	BW	BW	OPEN	OPEN
CP8901	OPEN	OPEN	OPEN	QNF2034-5R02-11	QNF2034-5R02-11	OPEN	OPEN
CP8902	OPEN	OPEN	OPEN	ICP-N50-T	ICP-N50-T	OPEN	OPEN
C8902	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8903	OPEN	OPEN	OPEN	GE001EJ-188	GE001EJ-188	OPEN	OPEN
C8904	OPEN	OPEN	OPEN	GE001EJ-188	GE001EJ-188	OPEN	OPEN
C8905	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C8906	OPEN	OPEN	OPEN	10/100	10/100	OPEN	OPEN
L8903	OPEN	OPEN	OPEN	QOL26AK-100Z	QOL26AK-100Z	OPEN	OPEN
C8909	OPEN	OPEN	OPEN	0.1	0.1	OPEN	OPEN
C8910	OPEN	OPEN	OPEN	2200p	2200p	OPEN	OPEN
R8901	OPEN	OPEN	OPEN	GRLO1EJ-300X	GRLO1EJ-300X	OPEN	OPEN
R8902	OPEN	OPEN	OPEN	GRLO5EJ-473X	GRLO5EJ-473X	OPEN	OPEN
R8903	OPEN	OPEN	OPEN	1k	1k	OPEN	OPEN
R8904	OPEN	OPEN	OPEN	1k	1k	OPEN	OPEN
R8905	OPEN	OPEN	OPEN	18k 0.5X	18k 0.5X	OPEN	OPEN
R8906	OPEN	OPEN	OPEN	12k	12k	OPEN	OPEN
R8907	OPEN	OPEN	OPEN	3.3k 0.5X	3.3k 0.5X	OPEN	OPEN
R8908	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN



*DIFFERENCE LIST

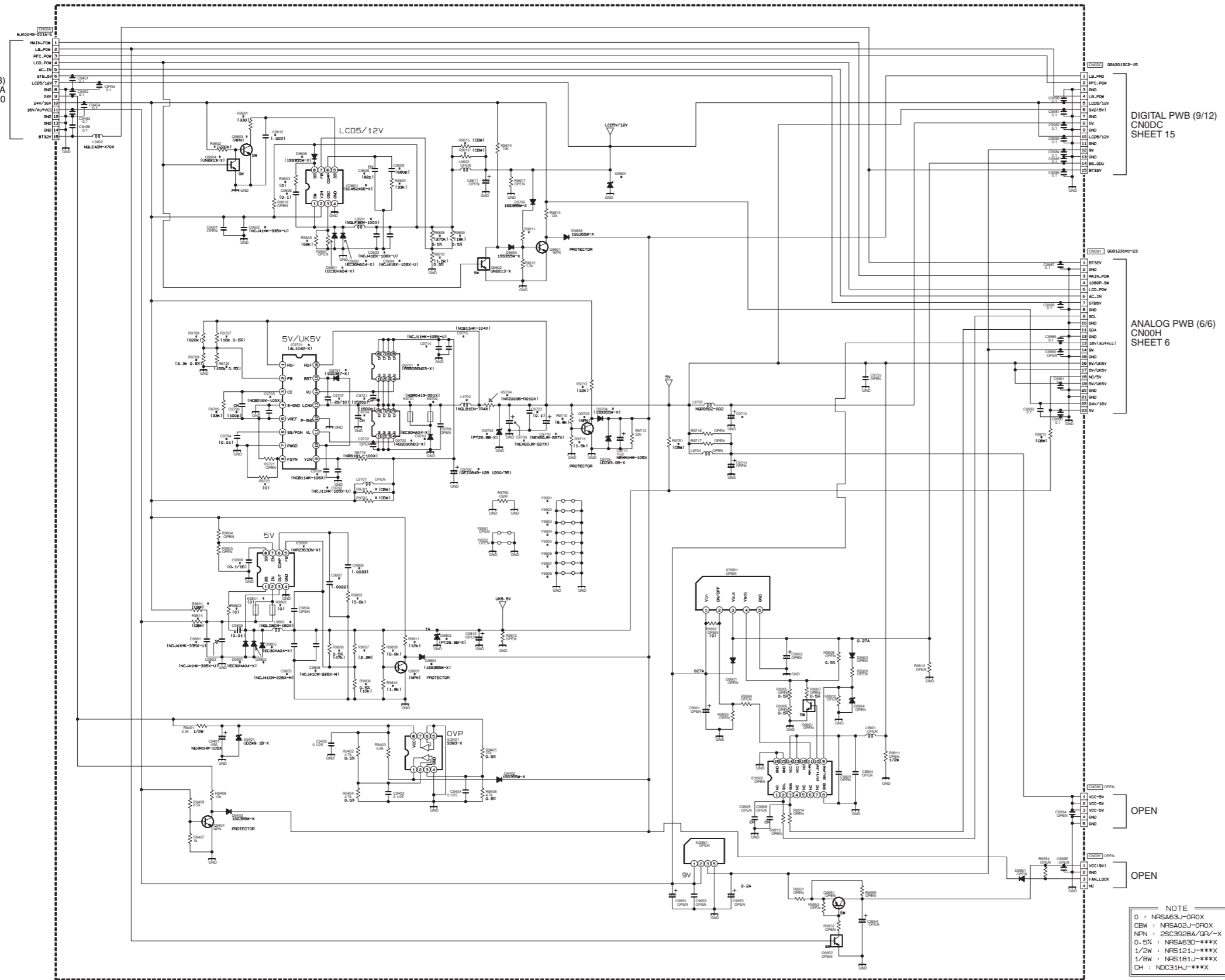
NOTE	EU IDTV P series	EU NON-IDTV P series	EU IDTV V series	JPN LH805	US X898
ASSY NO.	SFL-8721A	SFL-8724A	SFL-8722A	SFL-8723A	SFL-8725A
	OLLC12612-02	OLLC12612-03	OLLC12612-04	OLLC12612	OLLC12612-05
D8701	OPEN	OPEN	SML72420C-T	SML72420C-T	OPEN
D8702	OPEN	OPEN	OPEN	OPEN	SEL5E20C-T
D8703	OPEN	OPEN	OPEN	SEL5920A-T	OPEN
D8704	OPEN	OPEN	OPEN	SEL5420E-T	OPEN
D8705	OPEN	OPEN	SEL5E20C/EF/-T	OPEN	SEL5E20C/EF/-T
D8706	OPEN	MAB068-X	OPEN	OPEN	MAB068-X
D8707	OPEN	MAB068-X	OPEN	OPEN	MAB068-X
D8708	OPEN	OPEN	OPEN	OPEN	OPEN
D8709	OPEN	OPEN	OPEN	OPEN	OPEN
D8710	OPEN	OPEN	OPEN	OPEN	OPEN
D8711	OPEN	OPEN	OPEN	OPEN	OPEN
D8712	OPEN	OPEN	MAB068-X	OPEN	MAB068-X
D8713	OPEN	OPEN	MAB068-X	OPEN	MAB068-X
D8714	OPEN	OPEN	OPEN	OPEN	OPEN
D8715	OPEN	OPEN	OPEN	OPEN	OPEN
D8716	OPEN	OPEN	OPEN	OPEN	OPEN
D8717	OPEN	OPEN	OPEN	OPEN	OPEN
D8718	OPEN	OPEN	OPEN	OPEN	OPEN
D8719	OPEN	OPEN	OPEN	OPEN	OPEN
D8720	OPEN	OPEN	OPEN	OPEN	OPEN
D8721	OPEN	OPEN	OPEN	OPEN	OPEN
D8722	OPEN	OPEN	OPEN	OPEN	OPEN
D8723	OPEN	OPEN	OPEN	OPEN	OPEN
D8724	OPEN	OPEN	OPEN	OPEN	OPEN
D8725	OPEN	OPEN	OPEN	OPEN	OPEN
D8726	OPEN	OPEN	OPEN	OPEN	OPEN
D8727	OPEN	OPEN	OPEN	OPEN	OPEN
D8728	OPEN	OPEN	OPEN	OPEN	OPEN
D8729	OPEN	OPEN	OPEN	OPEN	OPEN
IC8751	OPEN	OPEN	S9648	S9648	S9648
IC8752	OPEN	OPEN	GP1UM261RK	GP1UM261RKVF	GP1UM261RKVF
IC8771	OPEN	OPEN	S9648	S9648	S9648
IC8772	GP1UM261RKVF	GP1UM261RKVF	OPEN	OPEN	OPEN
R8751	220K	220K	270K	270K	270K
R8752	100	100	100	100	100
R8753	47K	47K	68K	68K	68K
R8754	18K	18K	33K	33K	33K
C8751	NEHL1EM-226X GGA1217F1-10X	NEHL1EM-226X GGA1217F1-10X	NEHL1EM-226X GGA1217F1-10X	NEHL1EM-226X GGA1217F1-10X	NEHL1EM-226X GGA1217F1-10X
CN100U					



*DIFFERENCE LIST

NOTE	JPN LH805	EURO V series	US X898
ASSY No.	SFL-7217A	SFL-7216A	SFL-7218A
	OLLC12613	OLLC12613 -02	OLLC12613 -03
R7011	1K	1K	OPEN
R7012	1K	1K	OPEN
R7013	0	0	OPEN
R7014	0	0	OPEN
R7015	10K	10K	OPEN
R7016	100	100	OPEN
R7701	5.6K	4.7K	5.6K
R7702	15K	8.2K	15K
R7703	5.6K	4.7K	5.6K
R7704	15K	8.2K	15K
R7705	0	OPEN	0
R7706	0	OPEN	0
R7707	OPEN	0	OPEN
R7708	OPEN	0	OPEN
R7709	0	OPEN	0
R7710	OPEN	0	OPEN
R7711	OPEN	0	OPEN
R7712	0	OPEN	0
J7001	QNS0097 -002	QNS0097 -002	OPEN
C7011	0.1	0.1	OPEN
C7012	0.1	0.1	OPEN
C7702	0.01	OPEN	0.01
C7703	0.01	OPEN	0.01
D7011	MA8062/M/-X	MA8062/M/-X	OPEN
J7001	QNS0097-002	QNS0097-002	OPEN

POWER PWB(2/3)
CN00A
SHEET 20



NOTE
 0 : NRS163J-OROX
 CBW : NRS163J-OROX
 NFN : 2SC3928A/GP/-X
 0.5X : NRS163D-***X
 1/2W : NRS121J-***X
 1/8W : NRS181J-***X
 CH : NDC31HJ-***X

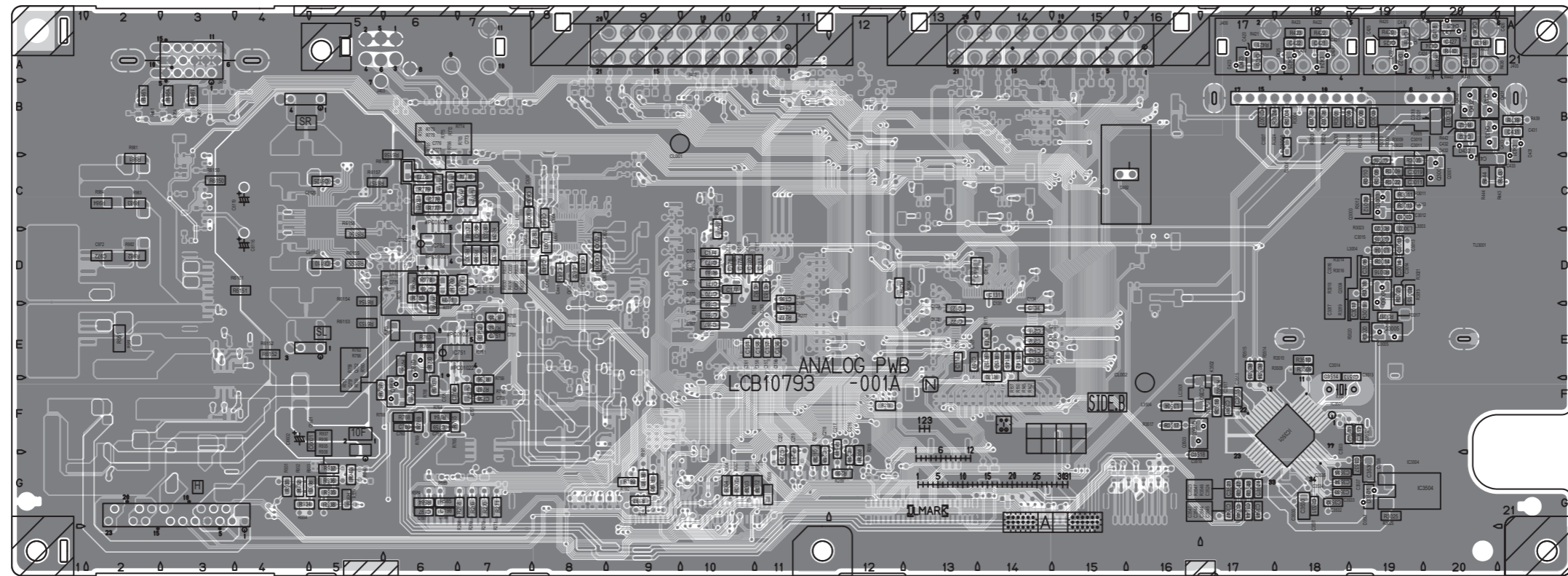
*DIFFERENCE LIST (ASSY LIST)												
MODEL	LT-3038M	LT-3038M	LT-3038M	LT-3038M	LT-3038M	LT-3038M	LT-3038M	LT-3038M	LT-3038M	LT-3038M	LT-3038M	LT-3038M
PANEL	M-X0A	M-X0A	M-X0A	M-X0A	M-X0A	M-X0A	M-X0A	M-X0A	M-X0A	M-X0A	M-X0A	M-X0A
REV	001	001	001	001	001	001	001	001	001	001	001	001
ASSY NO.	SFL-9189A	SFL-9189A	SFL-9189A	SFL-9189A	SFL-9189A	SFL-9189A	SFL-9189A	SFL-9189A	SFL-9189A	SFL-9189A	SFL-9189A	SFL-9189A
Q101	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q102	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q103	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q104	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q105	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q106	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q107	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q108	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q109	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q110	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q111	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q112	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q113	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q114	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q115	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q116	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q117	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q118	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q119	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q120	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q121	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q122	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q123	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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Q126	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q127	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q128	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q129	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q130	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q131	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q132	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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Q144	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q145	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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Q149	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
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DC-DC PWB ASS'Y
SFL-9189A-U2

PATTERN DIAGRAMS

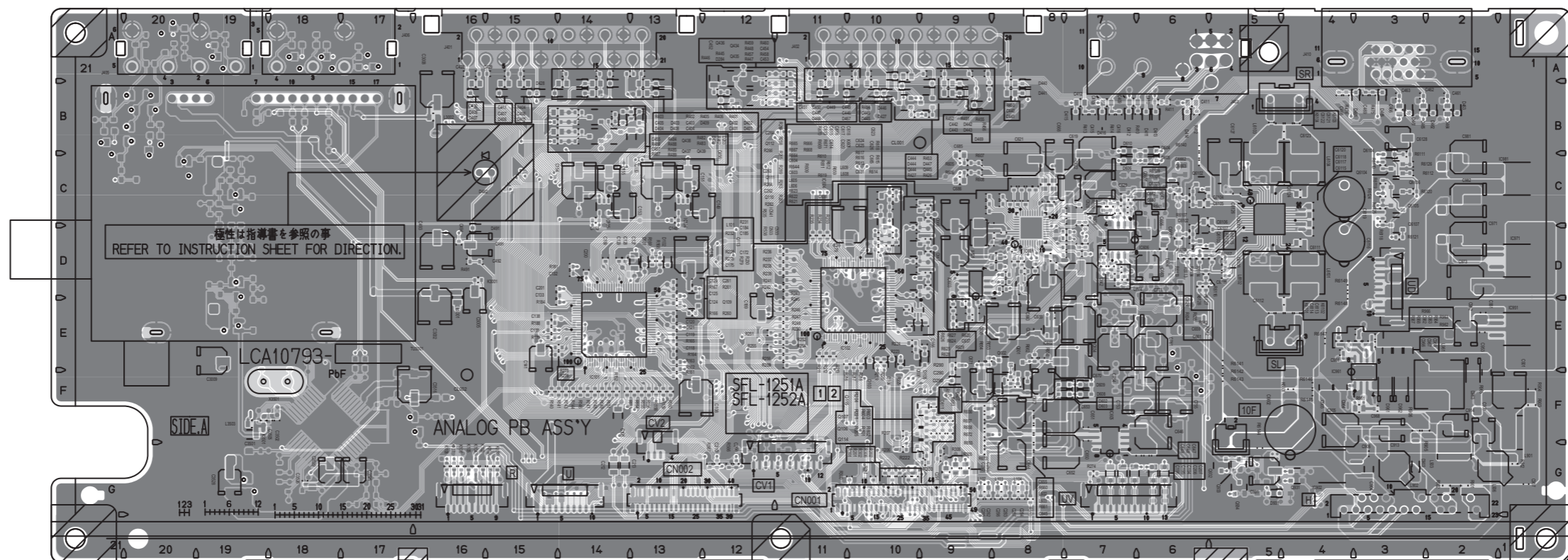
ANALOG PWB PATTERN [SOLDER SIDE]

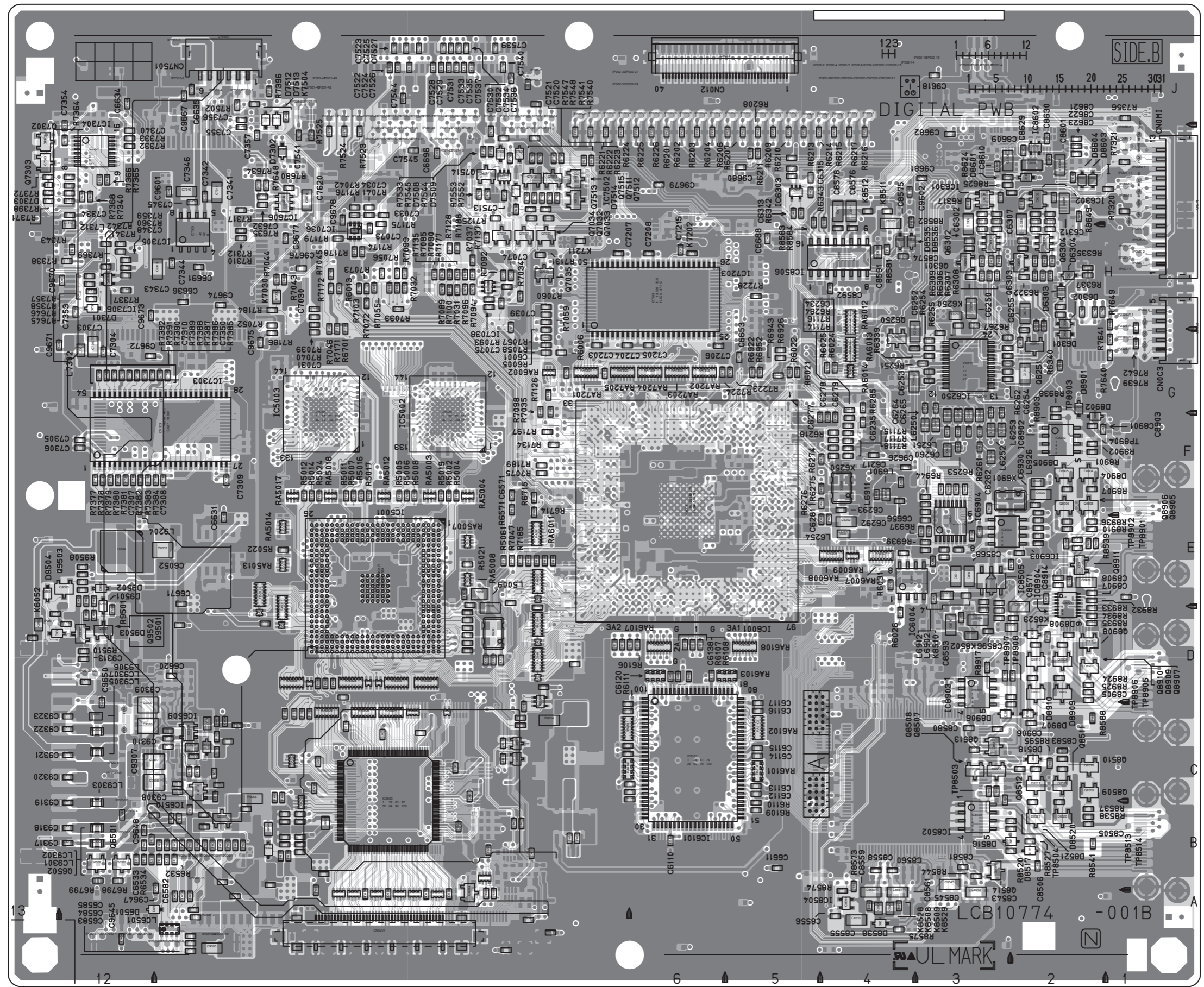
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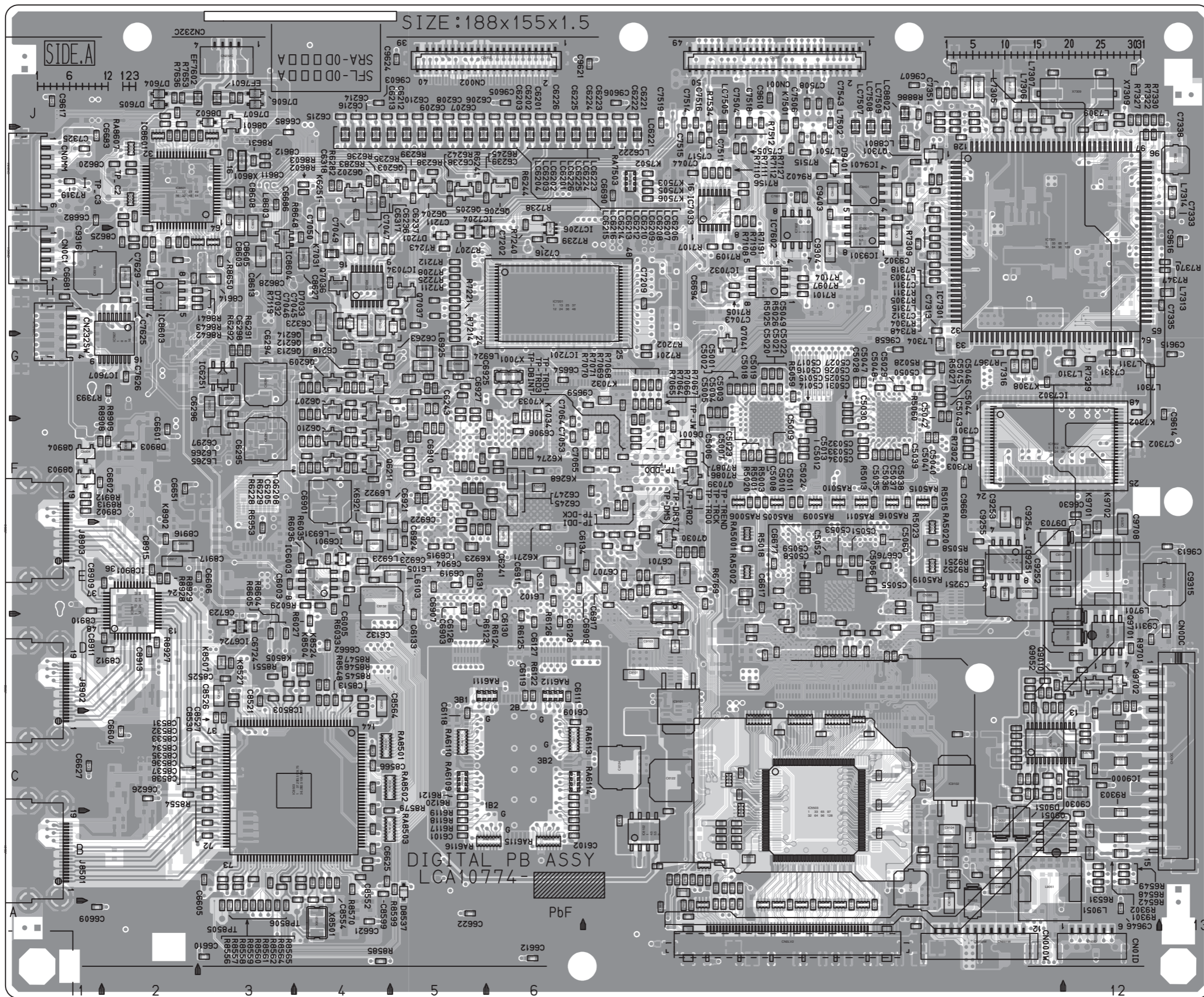
ANALOG PWB PATTERN [PARTS SIDE]

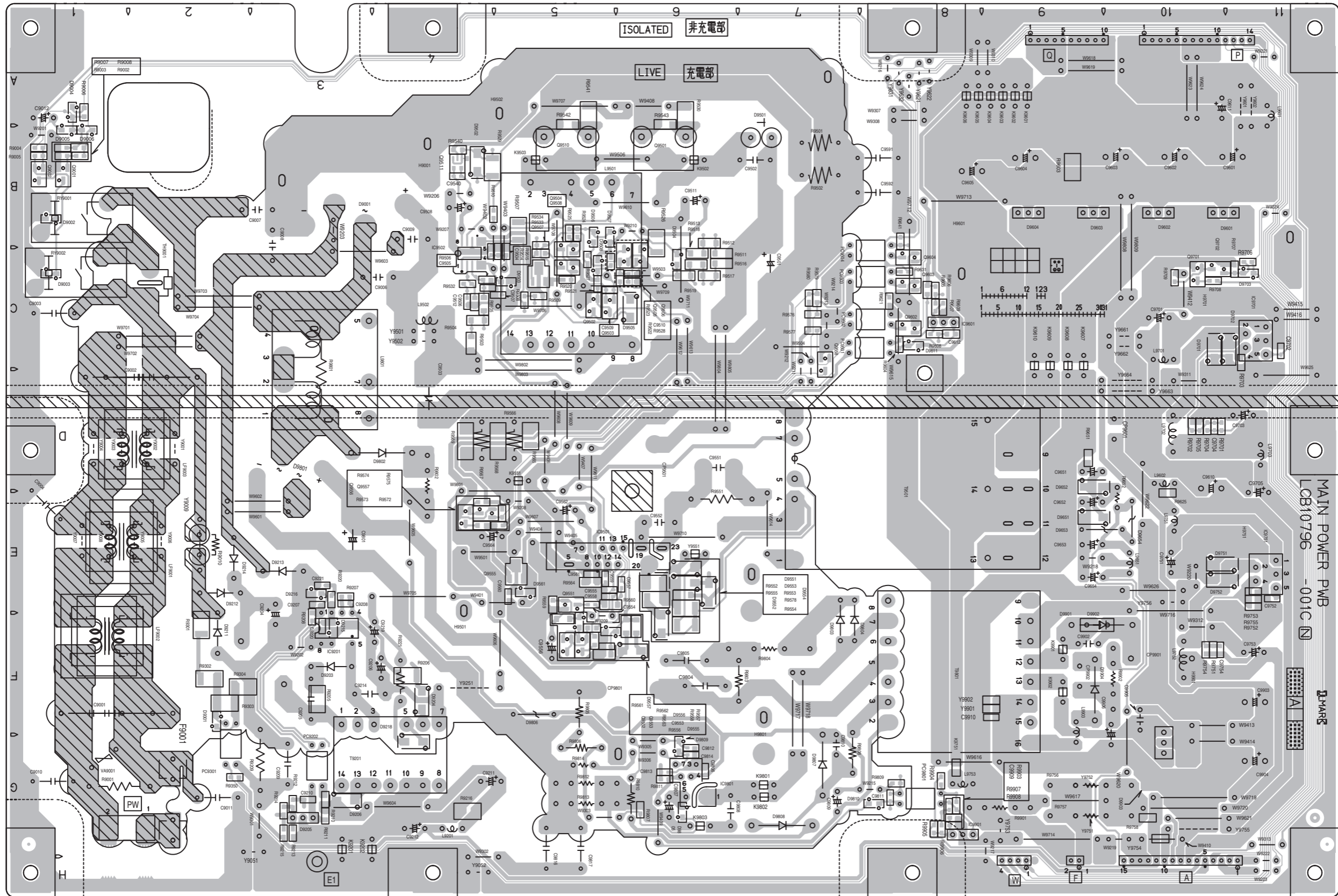
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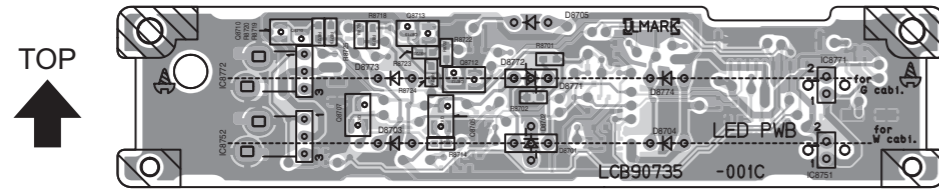
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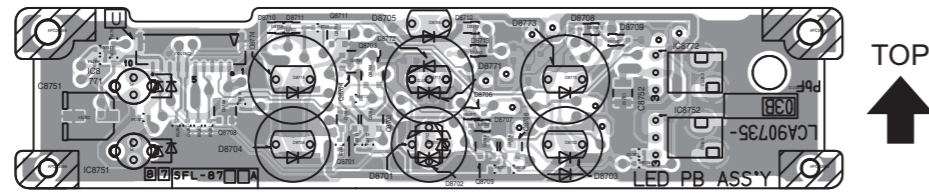


TOP
➔

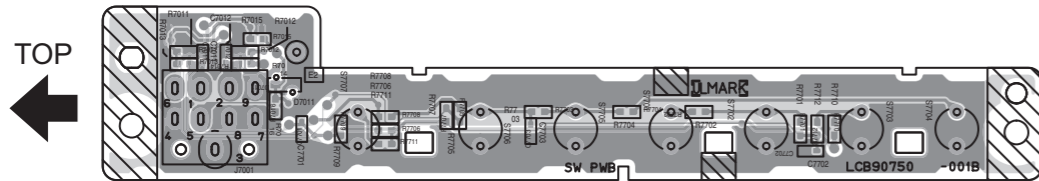
LED PWB PATTERN [SOLDERSIDE]



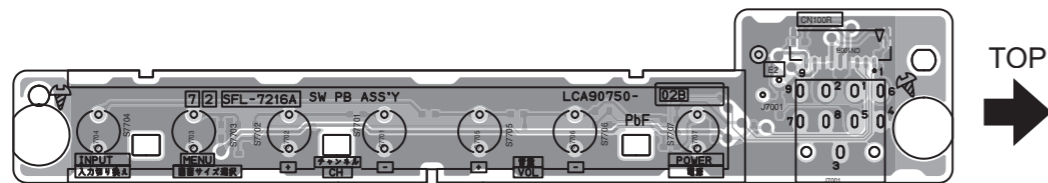
LED PWB PATTERN [PARTS SIDE]



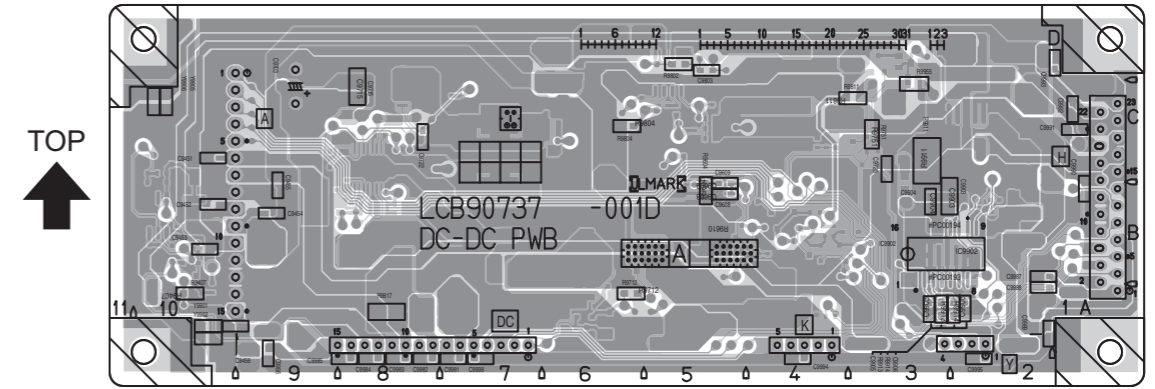
SW PWB PATTERN [SOLDERSIDE]



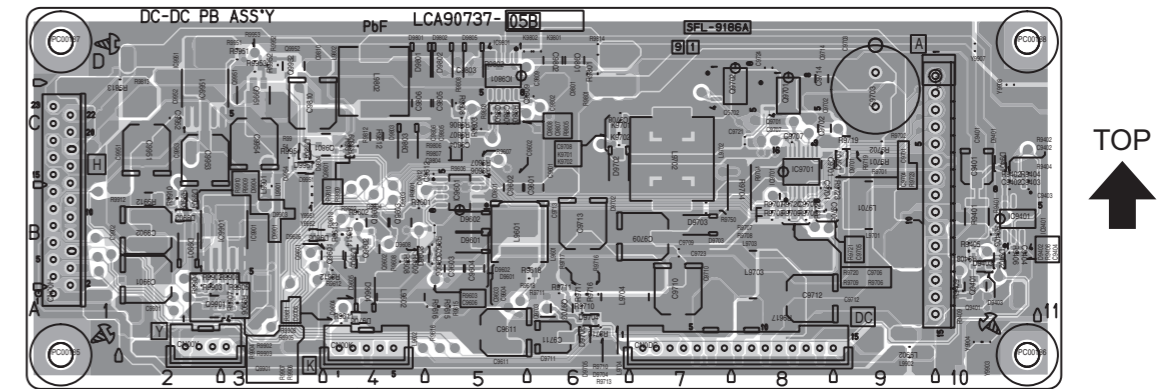
SW PWB PATTERN [PARTS SIDE]



DC-DC PWB PATTERN [SOLDERSIDE]

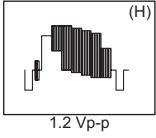


DC-DC PWB PATTERN [PARTS SIDE]

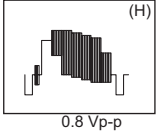


WAVEFORMS

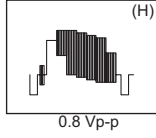
ANALOG PWB(1/6)
TU3001-17



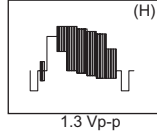
ANALOG PWB(2/6)
IC101-45



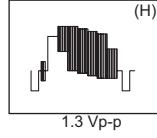
IC101-49



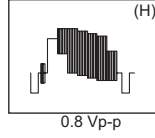
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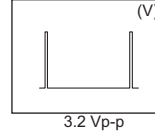
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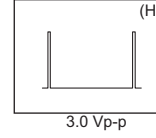
IC102-2



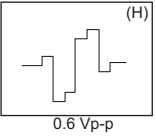
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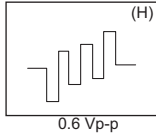
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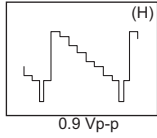
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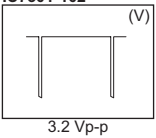
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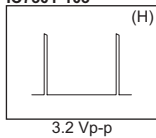
IC102-45



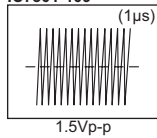
DIGITAL PWB(10/12)
IC7301-102



IC7301-103



IC7301-109





JVC

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

(No.YA551)

PARTS LIST

CAUTION

- The parts identified by the Δ 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		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	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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PACKING PARTS LIST	3-20

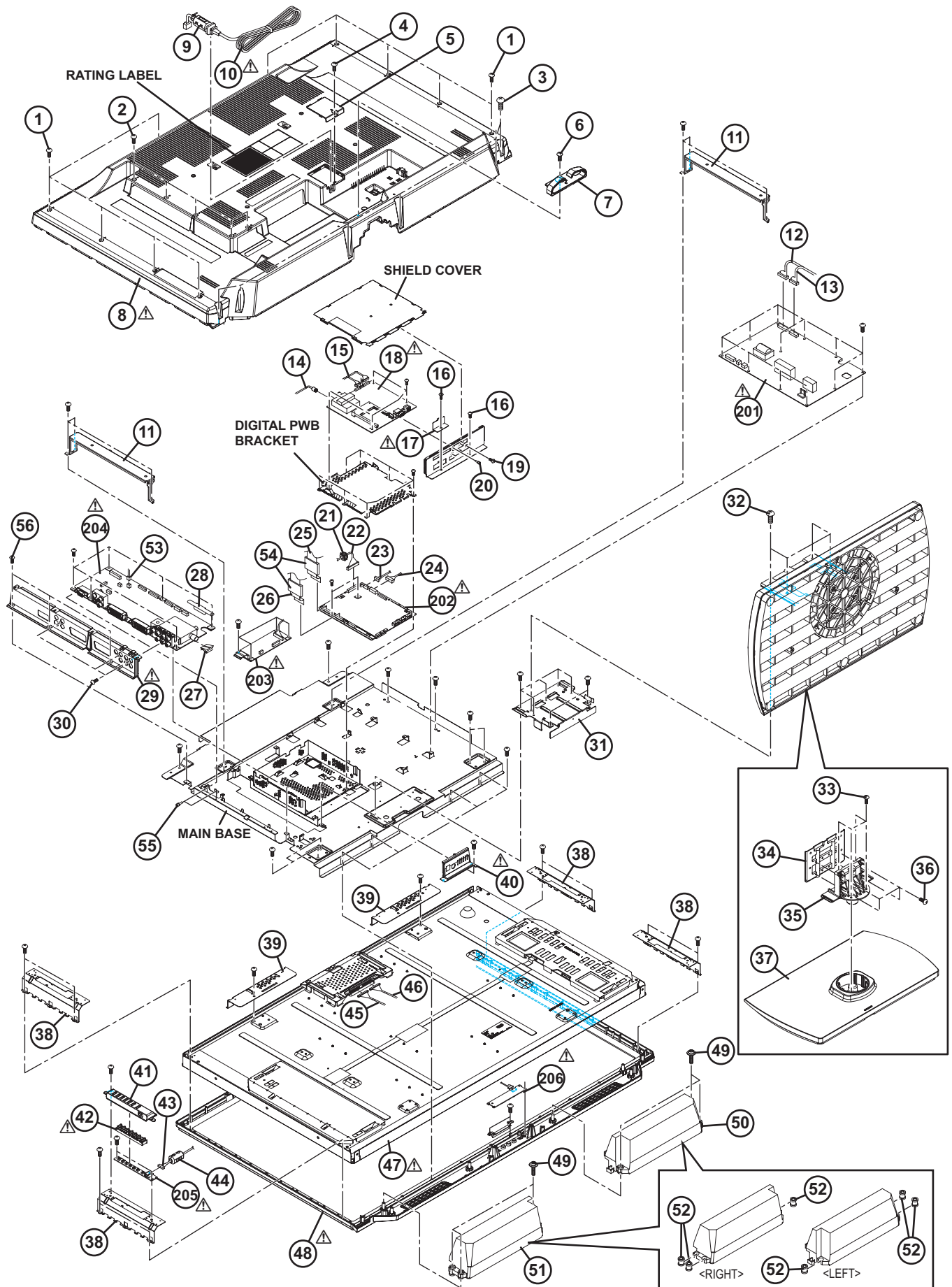
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.	
	LT-47DV8BG/P	LT-47DV8BJ/P
ANALOG P.W.B	SFL-1251A-U2	←
SW P.W.B	SFL-7216A-U2	←
LED P.W.B	SFL-8722A-U2	←
POWER P.W.B	SFL-9081A-U2	←
DC-DC P.W.B	SFL-9189A-U2	←
DIGITAL P.W.B	LCA10774-02B(SFL-0D567A)	←
REMOTE CONTROL UNIT	RM-C1911S-1C	←

EXPLODED VIEW PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	LC42446-002A	SCREW	(x10)	
2	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x5)	
3	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x6)	
4	QYSBSFG4016MA	TAP SCREW	M4 x 16mm	
5	LC34049-001A-U	POWER CORD COVER		
6	QYSBSFG4016MA	TAP SCREW	M4 x 16mm	
7	LC33936-001A-HK	CORD CLAMP		
△ 8	LC13257-002A-HK	REAR COVER		
9	QQR0491-001	FERRITE CORE		
△ 10	QMPK450-170-JC	POWER CORD(EU)	1.7m BLACK	LT-47DV8BGP
△ 10	QMPN370-170-JC	POWER CORD(EK)	1.7m BLACK	LT-47DV8BJP
11	LC33981-001D-HK	BACK BRACKET	(x2)	
12	WJJ0844-001B-E	WIRE	POWER CN00P-LCD PANEL UNIT	
13	WJJ0845-001A-E	WIRE	POWER CN00Q-LCD PANEL UNIT	
14	WJX0050-001A-E	E-COAXIAL ASSY		
15	WJZ0284-001A-E	WIRE	ANALOG-DIGITAL TUNER UNIT	
16	LC42984-001A	SCREW	(x2)	
△ 17	LC42340-001C-HK	SERVICE COVER		
△ 18	QAU0500-1279552	DIGITAL TUNER UNIT	(SERVICE)	LT-47DV8BGP
△ 18	QAU0500-2298472	DIGITAL TUNER UNIT	(SERVICE)	LT-47DV8BJP
19	QYSPSP3004ZA	SCREW	M3 x 4mm(x3)	
20	QNB0036-001	CONNECTOR ACCESSORY	(x2)	
21	QQR0942-001	CORE FILTER		
22	WJJ0842-001A-E	WIRE	DIGITAL CN0DC-DC-DC CN0DC	
23	QJJ064-061011-E	WIRE	DIGITAL CN0ID-DIGITAL TUNER UNIT	
24	WJJ0846-002A-E	WIRE	DIGITAL CN001W-POWER CN00W	
25	QUQR05-5009AB-E	WIRE	DIGITAL CN001-ANALOG CN001	
26	QUQR05-4009AB-E	WIRE	DIGITAL CN002-ANALOG CN002	
27	LC42574-001A	EARTH CLIP		
28	LC34140-001A	WIRE SPACER		
△ 29	LC13226-001B-U	TERMINAL BASE		
30	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x3)	
31	LC22409-001C-HK	STAND BASE SUPPORT		
32	QYSPSPD4016ZA	SCREW	M4 x 16mm(x4)	
33	QYSPSPD5014MA	SCREW	M5 x 14mm(x4)	
34	LC42887-001A-C	SUPPORT PLATE		
35	LC42890-001A	SUPPORT BASE		
36	QYSPSPD5014MA	SCREW	M5 x 14mm(x4)	
37	LC42877-003A	STAND BASE UNIT		LT-47DV8BGP
37	LC42877-005B	STAND BASE UNIT		LT-47DV8BJP
38	LC22504-001B-HK	SIDE BKT	(x4)	
39	LC22471-001B-HK	TOP FRAME	(x2)	LT-47DV8BGP
39	LC22471-001D-HK	TOP FRAME	(x2)	LT-47DV8BJP
△ 40	LC12507-005B-0K	TERMINAL BASE		
41	LC22423-001A-HK	KNOB BASE		
△ 42	LC33980-001A-HK	CONTROL KNOB		
43	WJZ0282-001A-E	WIRE	SW/LED-ANALOG	
44	QQR0490-001	NOISE FILTER		
45	WJW0074-002A-E	DIGITAL(LVDS)CABLE	DIGITAL CN0LV2- LCD PANEL UNIT	
46	WJW0073-002A-E	DIGITAL(LVDS)CABLE	DIGITAL CN0LV1- LCD PANEL UNIT	
△ 47	QLD0507-001-JUK	LCD PANEL UNIT		
△ 48	LC13228-002A-HK	FRONT PANEL		
49	LC41458-002A	TAPPING SCREW	(x6)	
50	LC42777-005A-C	SPEAKER(L)	Inc.SPEAKER BOX	
51	LC42777-002A-C	SPEAKER(R)	Inc.SPEAKER BOX	
52	LC40226-005A-H	SPACER	(x6)	
53	WJJ0843-001A-E	WIRE	ANALOG CN10F-POWER CN00F	
54	QQR1623-002	FERRITE CORE	(x2)	
55	QNB0036-001	CONNECTOR ACCESSORY	(x2)	
56	LC42446-002A	SCREW	(x3)	
△ 201	SFL-9081A-U2	POWER PWB		
△ 202	LCA10774-02B	DIGITAL PWB		
△ 203	SFL-9189A-U2	DC-DC PWB		
△ 204	SFL-1251A-U2	ANALOG PWB		
△ 205	SFL-7216A-U2	SW PWB		
△ 206	SFL-8722A-U2	LED PWB		

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

ANALOG P.W. BOARD ASS'Y (SFL-1251A-U2)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
				D462	UDZW5.6B-X	Z DIODE	
				D463	UDZW5.6B-X	Z DIODE	
				D465	UDZW5.6B-X	Z DIODE	
				D466	UDZW5.6B-X	Z DIODE	
				D467	UDZW10B-X	Z DIODE	
				D468	UDZW10B-X	Z DIODE	
				D469	UDZW10B-X	Z DIODE	
				D470	1SS355W-X	DIODE	
				D491	UDZW3.3B-X	Z DIODE	
				D492	S9648	PHOTO CONDUCTOR	
				D503	UDZW3.3B-X	Z DIODE	
				D602	1SS355W-X	DIODE	
				D603	1SS355W-X	DIODE	
				D604	1SS355W-X	DIODE	
				D605	1SS355W-X	DIODE	
				D606	1SS355W-X	DIODE	
				D607	1SS355W-X	DIODE	
				D961	EC30HA04-X	SB DIODE	
				D962	EC30HA04-X	SB DIODE	
				D963	PTZ3.9B-X	Z DIODE	
				D3501	1SS355W-X	DIODE	
				D6104	1SS355W-X	DIODE	
IC101	R2S11004FT	IC					
IC102	R2S11003FT	IC					
IC104	MM1510XN-X	IC					
IC105	MM1510XN-X	IC					
IC541	74LVC1G3157GW-X	IC					
IC601	MX5000A	IC					
IC602	MM3272FN-X	IC					
IC603	R2S15901SP-X	IC					
IC604	74LVC1G125GW-X	IC					
IC605	MM1689AH-X	IC					
IC751	BH3547F-X	IC					
IC902	BA33BC0FP-X	IC					
IC951	PQ025EN02Z-X	IC					
IC961	MP2363DN-X	IC					
IC971	PQ090DNA1Z-X	IC					
IC981	BA12FP-X	IC					
IC3501	MSP3417GQGB8V3X	IC					
IC6001	TPA3100D2PHP-W	IC					
Q106	INK0001AM1-X	MOS FET					
Q107	INK0001AM1-X	MOS FET					
Q109	2SA1022/BC/-X	TRANSISTOR		C106	NCB11CK-475X	C CAPACITOR	4.7uF 16V K
Q110	2SA1022/BC/-X	TRANSISTOR		C107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q111	2SA1022/BC/-X	TRANSISTOR		C108	NEHL1CM-476X	E CAPACITOR	47uF 16V M
Q112	2SA1022/BC/-X	TRANSISTOR		C116	NCB11AK-106X	C CAPACITOR	10uF 10V K
Q113	2SC1623A/5-6/-X	SI TRANSISTOR		C117	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q431	RT6N230C-X	DIGI TRANSISTOR		C118	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q432	RT6N230C-X	DIGI TRANSISTOR		C119	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q433	UN2110-X	DIGI TRANSISTOR		C120	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q434	RT6N230C-X	DIGI TRANSISTOR		C121	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q435	RT6N230C-X	DIGI TRANSISTOR		C122	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q436	UN2110-X	DIGI TRANSISTOR		C123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q437	RT6N230C-X	DIGI TRANSISTOR		C124	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q438	RT6N230C-X	DIGI TRANSISTOR		C125	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q439	UN2110-X	DIGI TRANSISTOR		C126	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q444	2SC1623A/5-6/-X	SI TRANSISTOR		C127	NCB11AK-106X	C CAPACITOR	10uF 10V K
Q445	2SC1623A/5-6/-X	SI TRANSISTOR		C128	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q601	2SA812A/5-6/-X	SI TRANSISTOR		C129	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q602	2SC1623A/5-6/-X	SI TRANSISTOR		C130	NEHL1CM-476X	E CAPACITOR	47uF 16V M
Q751	2SA812A/5-6/-X	SI TRANSISTOR		C131	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q752	UN2226-X	DIGI TRANSISTOR		C132	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q3001	2SA812A/5-6/-X	SI TRANSISTOR		C133	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q3003	2SC1623A/5-6/-X	SI TRANSISTOR		C134	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q3004	2SC1623A/5-6/-X	SI TRANSISTOR		C138	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
Q3005	2SC1623A/5-6/-X	SI TRANSISTOR		C139	NCB31CK-105X	C CAPACITOR	1uF 16V K
Q3503	RT1N441C-X	TRANSISTOR		C141	NEHL1CM-106X	E CAPACITOR	10uF 16V M
Q6105	RT1N241C-X	DIGI TRANSISTOR		C142	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6106	2SC1623A/5-6/-X	SI TRANSISTOR		C143	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
				C148	NCB31CK-105X	C CAPACITOR	1uF 16V K
D105	1SS355W-X	DIODE		C149	NEHL1CM-106X	E CAPACITOR	10uF 16V M
D283	1SS355W-X	DIODE		C150	NEHL1AM-107X	E CAPACITOR	100uF 10V M
D284	1SS355W-X	DIODE		C151	NEHL1CM-106X	E CAPACITOR	10uF 16V M
D401	UDZW10B-X	Z DIODE		C152	NCB31CK-105X	C CAPACITOR	1uF 16V K
D402	UDZW10B-X	Z DIODE		C153	NEHL1CM-106X	E CAPACITOR	10uF 16V M
D403	UDZW5.6B-X	Z DIODE		C154	NEHL1AM-107X	E CAPACITOR	100uF 10V M
D404	UDZW5.6B-X	Z DIODE		C155	NEHL1CM-106X	E CAPACITOR	10uF 16V M
D405	UDZW5.6B-X	Z DIODE		C156	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D406	UDZW10B-X	Z DIODE		C157	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D407	UDZW10B-X	Z DIODE		C158	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D408	UDZW10B-X	Z DIODE		C161	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D409	UDZW10B-X	Z DIODE		C167	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D411	UDZW10B-X	Z DIODE		C168	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D412	UDZW10B-X	Z DIODE		C169	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D413	UDZW10B-X	Z DIODE		C170	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D414	UDZW10B-X	Z DIODE		C171	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D415	UDZW10B-X	Z DIODE		C172	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
D416	UDZW10B-X	Z DIODE		C173	NDC31HJ-680X	C CAPACITOR	68pF 50V J
D421	UDZW10B-X	Z DIODE		C174	NDC31HJ-331X	C CAPACITOR	330pF 50V J
D422	UDZW10B-X	Z DIODE		C176	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D423	UDZW5.6B-X	Z DIODE		C177	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D424	UDZW5.6B-X	Z DIODE		C178	NCB31CK-105X	C CAPACITOR	1uF 16V K
D425	UDZW5.6B-X	Z DIODE		C179	NEHL1CM-476X	E CAPACITOR	47uF 16V M
D427	UDZW10B-X	Z DIODE		C180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D428	UDZW10B-X	Z DIODE		C181	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D431	UDZW10B-X	Z DIODE		C182	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D432	UDZW10B-X	Z DIODE		C183	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
D440	UDZW10B-X	Z DIODE		C184	NDC31HJ-151X	C CAPACITOR	150pF 50V J
D441	UDZW10B-X	Z DIODE		C185	NDC31HJ-820X	C CAPACITOR	82pF 50V J
D442	UDZW10B-X	Z DIODE		C187	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D443	UDZW5.6B-X	Z DIODE		C189	NEHL1CM-106X	E CAPACITOR	10uF 16V M
D444	UDZW5.6B-X	Z DIODE		C194	NCB11AK-106X	C CAPACITOR	10uF 10V K
D445	UDZW5.6B-X	Z DIODE		C195	NCB11AK-106X	C CAPACITOR	10uF 10V K
D446	UDZW10B-X	Z DIODE		C196	NCB11AK-106X	C CAPACITOR	10uF 10V K
D447	UDZW10B-X	Z DIODE		C199	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D461	UDZW5.6B-X	Z DIODE		C200	NCB31CK-104X	C CAPACITOR	0.1uF 16V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C629	NEHL0JM-476X	E CAPACITOR	47uF 6.3V M
C202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C630	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C207	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C631	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C208	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C632	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C212	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C633	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C213	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C634	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C261	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C635	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C262	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C636	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C263	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C637	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C264	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C638	NCB20JK-106X	C CAPACITOR	10uF 6.3V K
C291	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C639	NCB20JK-106X	C CAPACITOR	10uF 6.3V K
C292	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C640	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C293	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C641	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C401	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C642	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C402	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C643	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C403	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C644	NEHL0JM-476X	E CAPACITOR	47uF 6.3V M
C404	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C645	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C405	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C646	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C406	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C647	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C407	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C648	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C408	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C649	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C409	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C650	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C410	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C651	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C411	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C652	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C412	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C653	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C413	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C654	NEHL0JM-476X	E CAPACITOR	47uF 6.3V M
C415	NDC31HJ-152X	C CAPACITOR	1500pF 50V J	C655	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C416	NDC31HJ-152X	C CAPACITOR	1500pF 50V J	C659	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C417	NDC31HJ-152X	C CAPACITOR	1500pF 50V J	C660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C418	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C664	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C419	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C665	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C420	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C666	NEHL0JM-476X	E CAPACITOR	47uF 6.3V M
C421	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C667	NEHL0JM-476X	E CAPACITOR	47uF 6.3V M
C422	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C668	NEHL0JM-476X	E CAPACITOR	47uF 6.3V M
C428	NDC31HJ-152X	C CAPACITOR	1500pF 50V J	C670	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M
C429	NDC31HJ-152X	C CAPACITOR	1500pF 50V J	C685	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K
C430	NDC31HJ-152X	C CAPACITOR	1500pF 50V J	C686	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K
C431	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	C752	NCB21AK-475X	C CAPACITOR	4.7uF 10V K
C432	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	C753	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C433	NCB11CK-105X	C CAPACITOR	1uF 16V K	C754	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C440	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C755	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C441	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C756	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C442	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C757	NCB21AK-475X	C CAPACITOR	4.7uF 10V K
C443	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C759	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C444	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C760	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C445	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C761	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C446	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C772	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C447	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C773	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C448	NDC31HJ-152X	C CAPACITOR	1500pF 50V J	C901	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M
C449	NDC31HJ-152X	C CAPACITOR	1500pF 50V J	C904	NCB11AK-106X	C CAPACITOR	10uF 10V K
C450	NDC31HJ-152X	C CAPACITOR	1500pF 50V J	C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M
C451	NDC31HJ-152X	C CAPACITOR	1500pF 50V J	C906	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C452	NCB11CK-105X	C CAPACITOR	1uF 16V K	C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M
C453	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M
C454	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C951	NCB31AK-105X	C CAPACITOR	1uF 10V K
C455	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C952	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C456	NCB11CK-105X	C CAPACITOR	1uF 16V K	C953	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C457	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C961	NCB31CK-334X	C CAPACITOR	0.33uF 16V K
C461	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C962	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C462	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C963	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C463	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C964	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C464	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C965	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C465	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C966	NCB11AK-106X	C CAPACITOR	10uF 10V K
C466	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C967	NCB11AK-106X	C CAPACITOR	10uF 10V K
C468	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C968	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C469	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C969	NCB11AK-106X	C CAPACITOR	10uF 10V K
C491	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C971	NEHM1EM-336X	E CAPACITOR	33uF 25V M
C492	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C972	NCB21EK-334X	C CAPACITOR	0.33uF 25V K
C493	NEHL1AM-107X	E CAPACITOR	100uF 10V M	C973	NEHM1EM-336X	E CAPACITOR	33uF 25V M
C494	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C981	NEHM1EM-336X	E CAPACITOR	33uF 25V M
C533	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C982	NEHM1EM-336X	E CAPACITOR	33uF 25V M
C601	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3001	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C602	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3002	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C603	NDC31HJ-120X	C CAPACITOR	12pF 50V J	C3006	NCB30JK-105X	C CAPACITOR	1uF 6.3V K
C604	NDC31HJ-120X	C CAPACITOR	12pF 50V J	C3007	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C613	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C3008	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C614	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C3009	NEHL1EM-106X	E CAPACITOR	10uF 25V M
C615	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C3010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C616	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C3011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C617	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K	C3012	NDC31HJ-821X	C CAPACITOR	820pF 50V J
C618	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K	C3013	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C619	NEHL1HM-106X	E CAPACITOR	10uF 50V M	C3014	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C620	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3016	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C621	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	C3017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C623	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C3018	NCB11AK-106X	C CAPACITOR	10uF 10V K
C624	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C3019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C625	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C3501	NCB11AK-106X	C CAPACITOR	10uF 10V K
C626	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C3502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C3503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C628	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C3512	NCB31HK-103X	C CAPACITOR	0.01uF 50V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C3513	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	R219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3514	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	R220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3516	NEHL1AM-107X	E CAPACITOR	100uF 10V M	R228	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C3517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R231	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
C3518	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R232	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C3523	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3524	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R234	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3525	NEHL1CM-106X	E CAPACITOR	10uF 16V M	R235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3526	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C3529	NEHL1CM-106X	E CAPACITOR	10uF 16V M	R237	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3530	NCB11AK-106X	C CAPACITOR	10uF 10V K	R238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R239	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3534	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3535	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C3536	NCB11AK-106X	C CAPACITOR	10uF 10V K	R243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3537	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3544	NCB31AK-105X	C CAPACITOR	1uF 10V K	R246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3546	NCB31AK-105X	C CAPACITOR	1uF 10V K	R247	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6104	NCB31CK-105X	C CAPACITOR	1uF 16V K	R248	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6105	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K	R250	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C6106	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K	R251	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C6107	NCB31CK-105X	C CAPACITOR	1uF 16V K	R252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6108	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C6109	NCB31CK-105X	C CAPACITOR	1uF 16V K	R255	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C6110	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	R256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6111	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	R259	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6112	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	R260	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6113	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	R261	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C6114	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	R262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6115	NCB21EK-105X	C CAPACITOR	1uF 25V K	R263	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C6116	QEHR1EM-227Z	E CAPACITOR	220uF 25V M	R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6117	NCB21EK-105X	C CAPACITOR	1uF 25V K	R265	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C6118	NCB21EK-105X	C CAPACITOR	1uF 25V K	R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6119	QEHR1EM-227Z	E CAPACITOR	220uF 25V M	R267	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C6120	NCB21EK-105X	C CAPACITOR	1uF 25V K	R268	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C6121	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	R269	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C6122	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	R270	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C6123	NCB21EK-334X	C CAPACITOR	0.33uF 25V K	R271	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C6124	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	R274	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6125	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	R275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6126	NCB21EK-105X	C CAPACITOR	1uF 25V K	R276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6127	NEHL1EM-226X	E CAPACITOR	22uF 25V M	R277	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6601	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R278	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6602	QETN1EM-477Z	E CAPACITOR	470uF 25V M	R288	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C6651	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	R289	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C6661	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	R293	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
				R294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R140	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R300	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R141	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R301	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
R142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R302	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
R143	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R303	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
R144	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R304	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
R145	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R307	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R148	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R308	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R149	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R309	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
R150	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R311	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
R151	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R152	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R153	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R402	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R154	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R403	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R157	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R404	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R158	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R405	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R406	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R410	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R411	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R164	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R412	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R165	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R413	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R166	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R414	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R167	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R419	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R420	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R169	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R421	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R171	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R422	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R181	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R423	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R183	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R426	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R184	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	R427	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R188	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R437	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R189	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R438	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R190	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R439	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R191	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R440	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R441	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R197	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R442	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R202	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R443	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R444	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R445	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R206	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R446	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R207	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R447	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R448	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R450	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R218	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R451	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R452	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R783	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R453	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R786	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R454	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R787	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R455	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R902	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R456	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	R906	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R457	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R951	NRS181J-181X	MG RESISTOR	180Ω 1/8W J
R458	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R961	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J
R459	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R962	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D
R460	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R963	NRSA63J-824X	MG RESISTOR	820kΩ 1/16W J
R461	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R964	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R464	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R965	NRS181J-181X	MG RESISTOR	180Ω 1/8W J
R467	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R966	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R475	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R981	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R476	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R982	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R482	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R3002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R483	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R3003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R484	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R3004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R485	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	R3005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R486	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R487	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R488	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R3009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R489	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R3010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R491	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R3011	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R535	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3012	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R538	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3013	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R584	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3014	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R585	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3015	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3016	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3017	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3018	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R606	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3019	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R607	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3025	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R609	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R3514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R610	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R3515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R611	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R3516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R612	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R3517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R613	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R615	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3547	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6106	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R617	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6107	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R618	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R6108	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R620	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6109	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R621	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6113	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R622	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6115	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R623	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R6117	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R624	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R6118	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R626	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6119	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R627	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R6120	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R628	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R6124	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R634	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R635	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6134	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R640	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R641	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R642	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R6143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L101	NQLE42M-100X	COIL	10uH M
R644	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L601	NQLE42M-100X	COIL	10uH M
R650	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	L605	NQLE42M-100X	COIL	10uH M
R651	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	L606	NQLE42M-100X	COIL	10uH M
R657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L607	NQLE42M-100X	COIL	10uH M
R659	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	L608	NQLE42M-100X	COIL	10uH M
R660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L609	NQLE42M-100X	COIL	10uH M
R661	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L901	NQR0562-003X	CHOKO COIL	
R662	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	L902	NQL52EM-220X	COIL	22uH M
R663	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L903	NQR0562-010X	CHOKO COIL	
R664	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L961	NQLC8CM-150X	COIL	15uH M
R665	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L3001	NQL79GM-100X	COIL	10uH M
R666	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L3002	NQLE42M-100X	COIL	10uH M
R667	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L3003	NQL093M-220X	COIL	22uH M
R668	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L3004	NQL093M-180X	COIL	18uH M
R669	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L3503	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R670	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L3504	NQLE42M-4R7X	COIL	4.7uH M
R671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6101	NQLF3EM-330X	COIL	33uH M
R755	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6102	NQLF3EM-330X	COIL	33uH M
R756	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6103	NQLF3EM-330X	COIL	33uH M
R757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	L6104	NQLF3EM-330X	COIL	33uH M
R758	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	CN001	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)
R759	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	CN002	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)
R760	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	CN00H	QGB1231L1-23	CONNECTOR	B-B (1-23)
R761	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	J401	QNZ0463-002	21P CONNECTOR	EXT-1
R763	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	J402	QNZ0463-002	21P CONNECTOR	EXT-2
R764	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	J403	QNZ0726-001	AV JACK	EXT-3
R765	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	J405	QNN0649-001	PIN JACK	AUDIO IN/OUT
R768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	J406	QNN0650-001	PIN JACK	EXT-4
R769	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	J410	QNZ0592-001	D CONNECTOR	PC IN
R770	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K101	NQR0389-003X	FERRITE BEADS	
R777	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K102	NQR0389-003X	FERRITE BEADS	
R778	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K103	NQR0389-003X	FERRITE BEADS	
R779	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R780	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				

△Ref No.	Part No.	Part Name	Description Local
K104	NQR0389-003X	FERRITE BEADS	
K105	NQR0389-003X	FERRITE BEADS	
K106	NQR0389-003X	FERRITE BEADS	
K107	NQR0389-003X	FERRITE BEADS	
K108	NQR0389-003X	FERRITE BEADS	
K601	NQR0499-002X	FERRITE BEADS	
K3001	NQR0389-003X	FERRITE BEADS	
K3501	NQR0389-003X	FERRITE BEADS	
K3502	NQR0389-003X	FERRITE BEADS	
K6101	NQR0499-002X	FERRITE BEADS	
K6102	NQR0499-002X	FERRITE BEADS	
K6103	NQR0499-002X	FERRITE BEADS	
K6104	NQR0499-002X	FERRITE BEADS	
K6601	NQR0499-002X	FERRITE BEADS	
LC3501	NQR0436-001X	EMI FILTER	
OT1	LC42056-001A	SHADE SPACER	
TU30001	QAU0489-001	TUNER	
X601	NAX0932-001X	CRYSTAL	12.288MHz
X3501	QAX0773-001Z	CRYSTAL	18.432000MHz

SW P.W. BOARD ASS'Y (SFL-7216A-U2)

△Ref No.	Part No.	Part Name	Description Local
D7011	UDZW6.2B-X	Z DIODE	
C7011	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
R7011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7702	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R7703	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7704	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R7707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7708	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7710	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
J7001	QNS0097-002	3.5 JACK	HEADPHONE
S7701	QSW1121-001Z	PUSH SW I.M	CH-
S7702	QSW1121-001Z	PUSH SW I.M	CH+
S7703	QSW1121-001Z	PUSH SW I.M	MENU
S7704	QSW1121-001Z	PUSH SW I.M	INPUT
S7705	QSW1121-001Z	PUSH SW I.M	VOL+
S7706	QSW1121-001Z	PUSH SW I.M	VOL-
S7707	QSW1121-001Z	PUSH SW I.M	POWER

LED P.W. BOARD ASS'Y (SFL-8722A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC8751	S9648	PHOTO CONDUCTOR	
IC8752	GP1UM261RK	IR DETECT UNIT	
Q8701	RT1N241C-X	DIGI TRANSISTOR	
Q8704	RT1P440C-X	DIGI TRANSISTOR	
Q8705	RT1P440C-X	DIGI TRANSISTOR	
Q8709	RT1N241C-X	DIGI TRANSISTOR	
Q8712	RT1N241C-X	DIGI TRANSISTOR	
Q8713	RT1N241C-X	DIGI TRANSISTOR	
D8701	SML72420C-T	LED	POWER
D8705	SELU5E20C/EF-T	LED	ILLUMINATION
D8712	UDZW6.8B-X	Z DIODE	
D8713	UDZW6.8B-X	Z DIODE	
C8751	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C8752	NCJ41CM-226X-U	C CAPACITOR	22uF 16V M
R8711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R8713	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R8714	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R8717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R8722	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R8723	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R8724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R8751	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R8752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local
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

POWER P.W. BOARD ASS'Y (SFL-9081A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC9201	MIP2C20MSSCF	IC	
IC9501	MP2A5038-F233	IC	
△IC9502	FA5500AN-W	IC	
IC9601	TL431/A-T	IC	
IC9701	PQ1CG2032FZ	IC	
IC9801	STR-W6765-F5	IC	
IC9901	TL431/A-T	IC	
Q9001	2SC3928A/QR-X	TRANSISTOR	
Q9002	2SC3928A/QR-X	TRANSISTOR	
Q9501	2SK3522A-01	POWER MOS FET	
Q9502	2SC3928A/QR-X	TRANSISTOR	
Q9503	2SC3928A/QR-X	TRANSISTOR	
Q9504	UN2213-X	DIGI TRANSISTOR	
Q9505	UN2212-X	DIGI TRANSISTOR	
Q9506	UN2212-X	DIGI TRANSISTOR	
Q9507	2SB1188/QR/-W	TRANSISTOR	
Q9508	UN2212-X	DIGI TRANSISTOR	
Q9551	2SC3928A/QR-X	TRANSISTOR	
Q9555	2SB1188/QR/-W	TRANSISTOR	
Q9556	UN2212-X	DIGI TRANSISTOR	
Q9557	UN2213-X	DIGI TRANSISTOR	
Q9558	UN2213-X	DIGI TRANSISTOR	
Q9602	UN2212-X	DIGI TRANSISTOR	
Q9603	UN2212-X	DIGI TRANSISTOR	
Q9604	UN2212-X	DIGI TRANSISTOR	
Q9701	2SC3928A/QR-X	TRANSISTOR	
Q9702	UN2213-X	DIGI TRANSISTOR	
△D9001	TS25P05G-C2	BRIDGE DIODE	
D9002	1SS355W-X	DIODE	
D9003	1SS355W-X	DIODE	
D9005	1SS355W-X	DIODE	
D9006	1SS355W-X	DIODE	
D9203	EG01C-T2	SI DIODE	
D9204	SSPX-66-W	SI DIODE	
D9205	TL431/A-T	IC	
D9206	EC21QS10-X	SB DIODE	
D9212	EM1A-T2	SI DIODE	
D9213	EM1A-T2	SI DIODE	
D9214	EM1A-T2	SI DIODE	
D9215	MA8330/M/-X	Z DIODE	
D9216	MA8330/M/-X	Z DIODE	
D9218	SSPX-66-W	SI DIODE	
D9501	YG972S6R	SI DIODE	
D9502	RF101L2S-X	SI DIODE	
D9503	1SS355W-X	DIODE	
D9504	1SS355W-X	DIODE	
D9505	RF101L2S-X	SI DIODE	
D9506	1SS355W-X	DIODE	
D9507	MA8100/M/-X	Z DIODE	
D9508	1SS355W-X	DIODE	
D9552	SD883-04-X	SB DIODE	
D9553	PTZ27B-X	Z DIODE	
D9554	PTZ27B-X	Z DIODE	
D9555	SD883-04-X	SB DIODE	
D9556	UDZS3.9B-X	Z DIODE	
D9561	1SS355W-X	DIODE	
D9601	FCHS20A08	SB DIODE	
D9602	FCHS20A08	SB DIODE	
D9603	FCHS20A08	SB DIODE	
D9604	FCHS20A08	SB DIODE	
D9653	MTZJ16B-T2	Z DIODE	
D9654	MTZJ16B-T2	Z DIODE	
D9702	EC30HA03L-X	SB DIODE	
D9801	D2SBA60	BRIDGE DIODE	
D9802	FR105GT-T3	SI DIODE	
D9803	SARS01-T2	FR DIODE	
D9804	SARS01-T2	FR DIODE	
D9805	1SS355W-X	DIODE	
D9806	MTZJ33B-T2	Z DIODE	
D9807	FR105GT-T3	SI DIODE	
D9808	FR105GT-T3	SI DIODE	
D9809	1SS355W-X	DIODE	
D9810	1SS355W-X	DIODE	
D9902	FMX-G12S	SI DIODE	
D9903	FMX-22S	SI DIODE	
D9904	FR105GT-T3	SI DIODE	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
△C9001	QFZ9084-474	MPP CAPACITOR	0.47uF	R9502	QRM059J-R15	MP RESISTOR	0.15Ω 5W J
△C9002	QFZ9084-474	MPP CAPACITOR	0.47uF	R9503	NRS181J-474X	MG RESISTOR	470kΩ 1/8W J
△C9003	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R9504	NRS181J-474X	MG RESISTOR	470kΩ 1/8W J
△C9004	QCZ9071-331	C CAPACITOR	330pF AC400V K	R9505	NRS181J-334X	MG RESISTOR	330kΩ 1/8W J
△C9006	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9506	NRSA63D-912X	MG RESISTOR	9.1kΩ 1/16W D
△C9007	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9507	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J
△C9008	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9508	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
△C9009	QCZ9078-222	C CAPACITOR	2200pF AC250V M	R9509	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C9012	QEHR0JM-108Z	E CAPACITOR	1000uF 6.3V M	R9510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9204	QEZ0709-106	E CAPACITOR	10uF 450V M	R9511	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9205	QFP32JK-222	PP CAPACITOR	2200pF 630V K	R9512	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9206	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	R9513	NRS181J-824X	MG RESISTOR	820kΩ 1/8W J
C9207	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9514	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
C9208	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R9515	NRSA63D-224X	MG RESISTOR	220kΩ 1/16W D
C9210	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9516	NRS181J-334X	MG RESISTOR	330kΩ 1/8W J
C9211	QECR1VM-477Z	E CAPACITOR	470uF 35V M	R9517	NRS181J-334X	MG RESISTOR	330kΩ 1/8W J
C9212	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	R9518	NRS181J-394X	MG RESISTOR	390kΩ 1/8W J
C9219	QEHR1VM-107Z	E CAPACITOR	100uF 35V M	R9519	NRS181J-474X	MG RESISTOR	470kΩ 1/8W J
C9501	QEZ0739-337	E CAPACITOR	330uF	R9520	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
C9502	QCZ0340-331	C CAPACITOR	330pF 2kV K	R9521	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C9503	QFZ0231-225	MM CAPACITOR	2.2uF	R9522	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
C9504	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R9523	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9505	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R9524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9506	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	R9525	NRSA63J-824X	MG RESISTOR	820kΩ 1/16W J
C9507	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R9526	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J
C9508	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	R9527	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R9528	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C9510	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9529	NRS12BJ-101W	MG RESISTOR	100Ω 1/2W J
C9511	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	R9530	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J
C9512	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9532	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9551	QFZ0230-563	MPP CAPACITOR	0.056uF	R9533	NRSA02J-562X	MG RESISTOR	5.6kΩ 1/10W J
C9553	NCB31HK-821X	C CAPACITOR	820pF 50V K	R9534	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9554	NCB31HK-182X	C CAPACITOR	1800pF 50V K	R9540	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C9555	NCB31HK-331X	C CAPACITOR	330pF 50V K	△R9551	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K
C9556	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	R9552	NRS12BJ-470W	MG RESISTOR	47Ω 1/2W J
C9557	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9553	NRS181J-223X	MG RESISTOR	22kΩ 1/8W J
C9558	NCB31CK-105X	C CAPACITOR	1uF 16V K	R9555	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J
C9559	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R9556	NRS181J-104X	MG RESISTOR	100kΩ 1/8W J
C9560	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	R9557	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J
C9561	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9558	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J
C9562	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	R9559	NRSA02J-223X	MG RESISTOR	22kΩ 1/10W J
△C9591	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R9560	NRS181J-183X	MG RESISTOR	18kΩ 1/8W J
C9592	QCZ9071-681	C CAPACITOR	680pF AC400V M	R9561	NRS181J-103X	MG RESISTOR	10kΩ 1/8W J
C9601	QECQ1VM-128	E CAPACITOR	1200uF 35V M	R9564	NRS181J-683X	MG RESISTOR	68kΩ 1/8W J
C9602	QECQ1VM-128	E CAPACITOR	1200uF 35V M	R9565	NRS12BJ-821W	MG RESISTOR	820Ω 1/2W J
C9604	QECQ1VM-128	E CAPACITOR	1200uF 35V M	R9568	NRZ0096-R010X	MP RESISTOR	0.01Ω
C9605	QECQ1VM-128	E CAPACITOR	1200uF 35V M	R9569	NRZ0096-R010X	MP RESISTOR	0.01Ω
C9612	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	R9572	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9653	QEHR1HM-336Z	E CAPACITOR	33uF 50V M	R9573	NRSA02J-562X	MG RESISTOR	5.6kΩ 1/10W J
C9654	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	R9574	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
C9701	QECR1VM-337Z	E CAPACITOR	330uF 35V M	R9576	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C9703	QECR1EM-687Z	E CAPACITOR	680uF 25V M	R9577	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C9705	QEHR1CM-477Z	E CAPACITOR	470uF 16V M	R9578	NRS12BJ-151W	MG RESISTOR	150Ω 1/2W J
C9753	QECR1EM-687Z	E CAPACITOR	680uF 25V M	R9580	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9801	QEZ0476-157	E CAPACITOR	150uF	R9603	NRS12BJ-222W	MG RESISTOR	2.2kΩ 1/2W J
C9804	QFP32JK-332	PP CAPACITOR	3300pF 630V K	R9604	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9805	QFP32JK-332	PP CAPACITOR	3300pF 630V K	R9605	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
C9806	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9606	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D
C9807	QEHR1HM-335Z	E CAPACITOR	3.3uF 50V M	R9607	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D
C9808	QCZ0340-471	C CAPACITOR	470pF 2kV K	R9608	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C9809	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	R9609	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D
C9812	NCB31HK-821X	C CAPACITOR	820pF 50V K	R9621	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C9813	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9625	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C9814	NCB31HK-471X	C CAPACITOR	470pF 50V K	R9631	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C9816	QCZ9071-102	C CAPACITOR	1000pF AC400V M	R9641	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C9903	QECQ1EM-188	E CAPACITOR	1800uF 25V M	R9701	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
C9904	QECQ1EM-188	E CAPACITOR	1800uF 25V M	R9703	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
C9906	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	R9704	NRSA63D-683X	MG RESISTOR	68kΩ 1/16W D
C9909	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9706	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9910	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R9708	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
△R9001	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K	R9709	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R9002	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R9802	QRL02EJ-473X	OMF RESISTOR	47kΩ 2W J
R9003	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R9803	QRE121J-564Y	C RESISTOR	560kΩ 1/2W J
R9004	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R9804	QRL03EJ-220X	OMF RESISTOR	22Ω 3W J
R9005	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R9805	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J
R9007	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R9806	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J
R9205	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J	R9807	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9206	NRS12BJ-101W	MG RESISTOR	100Ω 1/2W J	R9808	QRE121J-151Y	C RESISTOR	150Ω 1/2W J
R9207	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	R9809	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9208	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R9810	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
△R9209	QRZ9046-685Z	C RESISTOR	6.8MΩ 1/2W K	R9811	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9210	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R9812	QRT01EJ-R39X	MF RESISTOR	0.39Ω 1W J
R9211	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R9813	QRT01EJ-R82X	MF RESISTOR	0.82Ω 1W J
R9212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R9814	QRK126J-221X	UNF C RESISTOR	220Ω 1/2W J
R9213	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	R9901	QRL01EJ-821X	OMF RESISTOR	820Ω 1W J
R9214	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R9902	QRL02EJ-152X	OMF RESISTOR	1.5kΩ 2W J
R9215	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	R9903	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9221	QRE121J-220Y	C RESISTOR	22Ω 1/16W J	R9904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9501	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	R9905	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
				R9906	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R9907	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	C9706	NDC31HJ-101X	C CAPACITOR	100pF 50V J
L9201	QQL26AM-5R6Z	CHOKE COIL	5.6uH M	C9707	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
△L9501	QQR1789-001	CHOKE COIL		C9709	NEX60JM-227X	E CAPACITOR	220uF 6.3V M
L9502	QQR1513-001	CHOKE COIL		C9710	NEX60JM-227X	E CAPACITOR	220uF 6.3V M
L9651	QQL244J-101Z	PEAKING COIL	100uH J	C9711	NEHM1HM-105X	E CAPACITOR	1uF 50V M
L9701	QQL26AK-100Z	COIL	10uH K	C9712	NEZ0038-227X	E CAPACITOR	220uF
L9702	QQR1432-001	CHOKE COIL		C9714	NCJ11HK-105X-U	C CAPACITOR	1uF 50V K
L9703	QQL26AK-100Z	COIL	10uH K	C9715	NCB11HK-104X	C CAPACITOR	0.1uF 50V K
L9753	QQL26AM-4R7Z	CHOKE COIL	4.7uH M	C9721	NDC31HJ-152X	C CAPACITOR	1500pF 50V J
L9801	QQR1130-003	CHOKE COIL		C9723	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
L9903	QQL26AK-100Z	COIL	10uH K	C9724	NDC31HJ-152X	C CAPACITOR	1500pF 50V J
△T9201	QQS0381-001	SW TRANSF		C9981	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△T9501	QQS0406-002	SW TRANSF		C9982	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△T9801	QQS0380-001	SW TRANSF		C9983	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△CP9201	QMFZ052-2R0Z-E	FUSE	2A	C9984	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△CP9501	QMFZ043-5R0Z-J1	FUSE	5A AC250V	C9985	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△CP9601	ICP-N70-T	IC PROTECTOR	2.5A	C9986	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△CP9801	QMFZ043-5R0Z-J1	FUSE	5A AC250V	C9987	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△CP9901	QMFZ034-5R0Z-J1	FUSE	5A 125V	C9988	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△CP9902	ICP-N50-T	IC PROTECTOR	2.0A	C9989	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△F9001	QMF5AD2-6R3-J1	FUSE	6.3A AC250V	C9991	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
K9201	QQR0621-002Z	FERRITE BEADS		C9992	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
K9202	QQR0621-002Z	FERRITE BEADS		C9993	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
K9502	QQR0621-002Z	FERRITE BEADS		C9998	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
K9503	QQR0621-002Z	FERRITE BEADS		R9401	NRS12BJ-332W	MG RESISTOR	3.3kΩ 1/2W J
K9607	QQR0621-002Z	FERRITE BEADS		R9402	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D
K9608	QQR0621-002Z	FERRITE BEADS		R9403	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
K9609	QQR0621-002Z	FERRITE BEADS		R9404	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D
K9610	QQR0621-002Z	FERRITE BEADS		R9405	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D
K9751	NQR0499-002X	FERRITE BEADS		R9406	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D
△LF9002	QQR1281-005	LINE FILTER		R9407	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
△LF9003	QQR1784-001	LINE FILTER		R9408	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
△PC9202	PS2581AL1/QW/	PHOTO COUPLER		R9409	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
△PC9501	PS2581AL1/QW/	PHOTO COUPLER		R9611	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
△PC9502	PS2581AL1/QW/	PHOTO COUPLER		R9612	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
△PC9503	PS2581AL1/QW/	PHOTO COUPLER		R9613	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
△PC9504	PS2581AL1/QW/	PHOTO COUPLER		R9614	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
△PC9801	PS2581AL1/QW/	PHOTO COUPLER		R9701	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
△RY9001	QSK0162-001	RELAY		R9702	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
△RY9002	QSK0162-001	RELAY		R9704	NRZ0096-R010X	MP RESISTOR	0.01Ω
△TH9001	QAD0174-250	P THERMISTOR	25Ω	R9706	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
△VA9001	QAF0028-621	ZNR	620V	R9707	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D

DC-DC P.W. BOARD ASS'Y (SFL-9189A-U2)

△Ref No.	Part No.	Part Name	Description Local
IC9401	S393-X	IC	
IC9701	AL1042-X	IC	
Q9401	2SC3928A/QR/-X	TRANSISTOR	
Q9601	2SC3928A/QR/-X	TRANSISTOR	
Q9602	UN2213-X	DIGI TRANSISTOR	
Q9701	RSS090N03-X	POWER MOS FET	
Q9702	RSS090N03-X	POWER MOS FET	
Q9703	2SC3928A/QR/-X	TRANSISTOR	
D9401	UDZW9.1B-X	Z DIODE	
D9402	1SS355W-X	DIODE	
D9403	1SS355W-X	DIODE	
D9604	PTZ16B-X	Z DIODE	
D9605	1SS355W-X	DIODE	
D9606	1SS355W-X	DIODE	
D9701	1SS357-X	SB DIODE	
D9702	EC30HA04-X	SB DIODE	
D9703	PTZ6.8B-X	Z DIODE	
D9704	1SS355W-X	DIODE	
D9705	UDZW3.0B-X	Z DIODE	
D9706	1SS355W-X	DIODE	
C9401	NEHM1HM-105X	E CAPACITOR	1uF 50V M
C9402	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C9403	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C9404	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C9451	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9452	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9453	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9454	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9455	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9456	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C9701	NCB11AK-106X	C CAPACITOR	10uF 10V K
C9702	NCJ11HK-105X-U	C CAPACITOR	1uF 50V K
C9703	QEZ0849-128	E CAPACITOR	1200uF
C9704	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9705	NCB21EK-105X	C CAPACITOR	1uF 25V K

DIGITAL P.W. BOARD ASS'Y (LCA10774-02B)(SFL-0D567A)

△Ref No.	Part No.	Part Name	Description Local
IC5001	JCC5070	IC	
IC5002	EDD1232ABBH-5C	IC	
IC5003	EDD1232ABBH-5C	IC	
IC5503	BU7986KUT	IC	
IC6001	JCC5068	IC	
IC6002	74LVC1G08GW-X	IC	
IC6004	ICS574MLF-X	IC	
IC6101	EDD1232AFA-6B	IC	
IC6102	AIC1384PSH-X	IC	
IC6250	UPC5702GS-027-X	IC	
IC6251	R1170H331B-X	IC	
IC6301	TC7SET08F-X	IC	
IC6302	TC7SET08F-X	IC	
IC6303	TC7SH86FU-X	IC(DIGITAL)	
IC6503	BU7986KUT	IC	
IC6509	TC7SET08F-X	IC	
IC6510	MM3143DN-X	IC	
IC6724	S-80928CLNB-G-W	IC	
IC6901	R1141Q331B-X	IC	
L9702	NQLB1EN-7R4X	COIL	7.4uH N
L9703	NQR0562-002X	CHOKE COIL	
L9902	NQLE42M-470X	COIL	47uH M
CN00A	WJK0249-001A-E	E-SI C WIRE C-B	
CN00H	QGB1231M1-23	CONNECTOR	B-B (1-23)
K9701	NQR0413-001X	FERRITE BEADS	
K9702	NQR0413-001X	FERRITE BEADS	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC7033	74HC4094PW-X	IC		C5023	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7036	ADC081S021CIS-X	IC		C5024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7201	39VF80A7IEKLJ10	IC(MICRO C ROM)		C5025	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7203	M12L16161A7T11U	IC		C5026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7204	S-80928CLNB-G-W	IC		C5027	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7301	SDA6000-B12	IC		C5028	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7302	SA16D90TFI01	IC(MICRO C ROM)		C5029	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7303	K4S641632K-UC75	IC		C5030	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7304	TC74HC4053AFT-X	IC(DIGITAL)		C5031	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7305	MM1689CH-X	IC		C5032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7306	S-80928CLNB-G-W	IC		C5033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7502	74LVC2G06GW-X	IC		C5034	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7602	ATF32-47DV8BGP	IC	(SERVICE)	C5035	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC7606	MM1671XN-X	IC		C5036	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC9000	THV1021-X	IC		C5037	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC9101	MM1662FT-X	IC		C5038	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC9102	MM1662FT-X	IC		C5039	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC9251	MM1701CH-X	IC		C5040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
IC9301	MM1701CH-X	IC		C5041	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
				C5042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6202	2SA1530A/QR/-X	TRANSISTOR		C5043	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6203	RT1A3906-X	TRANSISTOR		C5044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6204	RT1A3906-X	TRANSISTOR		C5045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6205	RT1A3906-X	TRANSISTOR		C5046	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6206	RT1A3906-X	TRANSISTOR		C5047	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6207	2SC5477-X	TRANSISTOR		C5048	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6208	2SC5477-X	TRANSISTOR		C5051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6209	2SC5477-X	TRANSISTOR		C5052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6210	2SC5477-X	TRANSISTOR		C5053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6211	2SC5477-X	TRANSISTOR		C5054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6212	2SC5477-X	TRANSISTOR		C5055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6213	2SC5477-X	TRANSISTOR		C5056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6214	2SC5477-X	TRANSISTOR		C5057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6250	2SC3928A/QR/-X	TRANSISTOR		C5058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6251	2SC3928A/QR/-X	TRANSISTOR		C5059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6301	2SA1530A/QR/-X	TRANSISTOR		C5060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6302	HN1C01F/Y/-X	PAIR TRANSISTOR		C5061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6303	2SA1530A/QR/-X	TRANSISTOR		C5062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6304	HN1C01F/Y/-X	PAIR TRANSISTOR		C5063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6501	2SC3928A/QR/-X	TRANSISTOR		C5064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6502	2SC3928A/QR/-X	TRANSISTOR		C5065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6503	RT1N441C-X	TRANSISTOR		C5066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6505	INK0001AM1-X	MOS FET		C5067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6506	INK0001AM1-X	MOS FET		C5068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7030	RT1N441C-X	TRANSISTOR		C5069	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7032	RT1P441C-X	DIGI TRANSISTOR		C5070	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7033	RT1P441C-X	DIGI TRANSISTOR		C5071	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7034	RT1P441C-X	DIGI TRANSISTOR		C5072	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7035	RT1P441C-X	DIGI TRANSISTOR		C5073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7041	RT1N441C-X	TRANSISTOR		C5074	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7301	UN2213-X	DIGI TRANSISTOR		C5075	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q9010	UN2212-X	DIGI TRANSISTOR		C5076	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q9051	RSS040P03-X	MOS FET		C5077	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q9052	UN2212-X	DIGI TRANSISTOR		C5078	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q9701	RSS040P03-X	MOS FET		C5079	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
				C5080	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D6301	MA111-X	SI DIODE		C5081	NCB11AK-106X	C CAPACITOR	10uF 10V K
D6302	MA111-X	SI DIODE		C5082	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D6502	MA111-X	SI DIODE		C5084	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D6504	MA111-X	SI DIODE		C5086	NCB11AK-106X	C CAPACITOR	10uF 10V K
D7301	RB501V-40-X	SB DIODE		C5501	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D7302	1SS357-X	SB DIODE		C5502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D7303	RB521S-30-X	SB DIODE		C5503	NCJ20JK-106X-R	C CAPACITOR	10uF 6.3V K
D9051	EC30HA03L-X	SB DIODE		C5504	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D9053	PTZ3.9B-X	Z DIODE		C5505	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D9701	EC30HA03L-X	SB DIODE		C5506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D9703	PTZ3.9B-X	Z DIODE		C5507	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
				C5509	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5001	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C5510	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C5511	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C5513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C5514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C5515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5007	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C5010	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C5011	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C5012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5013	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C5016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5017	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C5018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C5019	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C5020	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C5021	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C5022	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R7134	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7135	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7186	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
R6309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7190	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6310	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R7191	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6312	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6316	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R7216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6325	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6329	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6330	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6335	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6337	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	R7243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6340	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	R7244	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6342	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7303	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6501	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7304	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7305	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7309	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7312	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7314	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7315	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6536	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6538	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7317	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6539	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6548	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7319	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6549	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7320	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7321	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
R6593	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7322	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6594	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R7323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6599	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	R7324	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6751	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7325	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R6761	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7327	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6765	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7330	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6771	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6774	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6775	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7334	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6776	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6778	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6781	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7339	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6783	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6789	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6790	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6793	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7343	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7346	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R6943	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	R7347	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6946	NRSA63D-220X	MG RESISTOR	22Ω 1/16W D	R7348	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6953	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7039	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7041	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7352	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R7042	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7353	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R7043	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7354	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R7044	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7355	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R7045	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7356	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7046	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7358	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R7052	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7359	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7362	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7060	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R7363	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7364	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7365	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R7366	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R7367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7368	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7369	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7371	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7076	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	R7372	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7078	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7374	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R7377	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R7378	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7379	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7380	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7092	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7381	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7382	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7383	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7384	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7385	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7386	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7387	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J

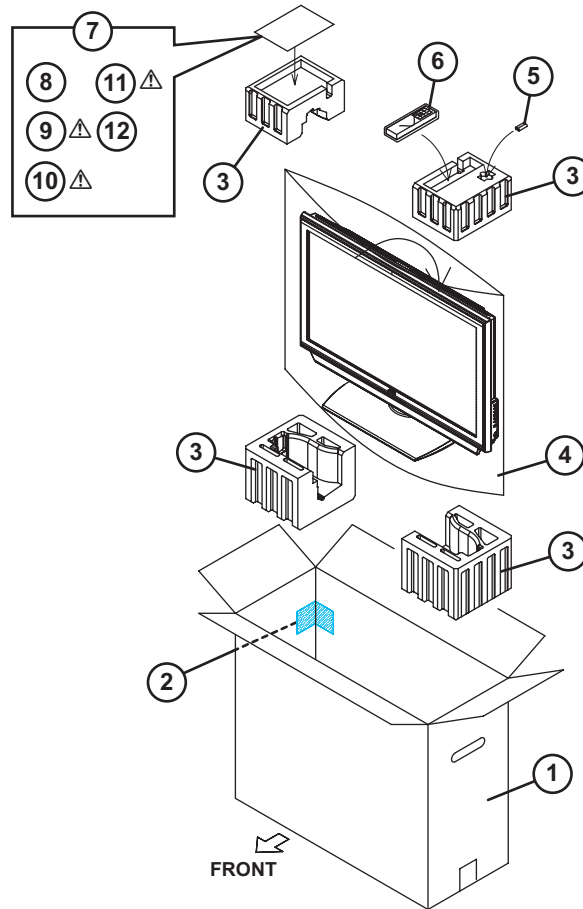
△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R7388	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7389	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7390	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7391	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7392	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7396	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7513	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7529	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	RA6502	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7533	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	RA6532	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7634	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω
R7635	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7680	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω
R9010	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R9020	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	RA7202	NRZ0080-473X	NET RESISTOR	47kΩ
R9030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7203	NRZ0080-473X	NET RESISTOR	47kΩ
R9040	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA7204	NRZ0080-473X	NET RESISTOR	47kΩ
R9050	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	RA7205	NRZ0080-473X	NET RESISTOR	47kΩ
R9051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7503	NQR0271-004X	EMI FILTER	
R9053	NRS181J-151X	MG RESISTOR	150Ω 1/8W J				
R9054	NRS181J-101X	MG RESISTOR	100Ω 1/8W J	L5002	NQR0499-001X	FERRITE BEADS	
R9057	NRSA63D-563X	MG RESISTOR	56kΩ 1/16W D	L5004	NQR0499-001X	FERRITE BEADS	
R9058	NRSA63D-333X	MG RESISTOR	33kΩ 1/16W D	L5006	NQR0499-001X	FERRITE BEADS	
R9059	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	L5008	NQR0499-001X	FERRITE BEADS	
R9060	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	L5009	NQLE3GK-220X	COIL	22uH K
R9061	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	L5010	NQR0499-001X	FERRITE BEADS	
R9062	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L5014	NQR0199-007X	FERRITE BEADS	
R9063	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L5511	NQR0504-001X	EMI FILTER	
R9070	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L5512	NQR0504-001X	EMI FILTER	
R9080	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	L5513	NQR0504-001X	EMI FILTER	
R9090	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	L5514	NQR0504-001X	EMI FILTER	
R9251	NRSA63J-101X	MG RESISTOR	10kΩ 1/16W J	L5515	NQR0504-001X	EMI FILTER	
R9253	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	L5516	NQR0504-001X	EMI FILTER	
R9302	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L6102	NQLE3GK-220X	COIL	22uH K
R9306	NCB21EK-102X	C CAPACITOR	1000pF 25V K	L6103	NQLE3GK-220X	COIL	22uH K
R9701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6115	NQR0499-001X	FERRITE BEADS	
R9707	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	L6253	NQL092K-2R2X	FERRITE BEADS	2.2uH K
R9708	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	L6265	NQR0499-001X	FERRITE BEADS	
R9709	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	L6266	NQR0499-001X	FERRITE BEADS	
R9710	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	L6502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9711	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	L6511	NQR0504-001X	EMI FILTER	
R9712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6512	NQR0504-001X	EMI FILTER	
R9713	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	L6513	NQR0504-001X	EMI FILTER	
R9714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6514	NQR0504-001X	EMI FILTER	
R9715	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	L6515	NQR0504-001X	EMI FILTER	
R9716	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6516	NQR0504-001X	EMI FILTER	
R9717	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	L6531	NQR0499-001X	FERRITE BEADS	
RA5001	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L6701	NQR0499-001X	FERRITE BEADS	
RA5002	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L6911	NQR0499-001X	FERRITE BEADS	
RA5003	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L6912	NQR0499-001X	FERRITE BEADS	
RA5004	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L6922	NQLE3GK-220X	COIL	22uH K
RA5005	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L6924	NQLE3GK-220X	COIL	22uH K
RA5006	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L6925	NQLE3GK-220X	COIL	22uH K
RA5007	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L6931	NQR0499-001X	FERRITE BEADS	
RA5008	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7301	NQR0339-001X	FERRITE BEADS	
RA5009	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	L7302	NQR0339-001X	FERRITE BEADS	
RA5010	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	L7303	NQL092K-4R7X	P COIL	4.7uH K
RA5011	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	L7304	NQL092K-4R7X	P COIL	4.7uH K
RA5012	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	L7305	NQL092K-4R7X	P COIL	4.7uH K
RA5013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7306	NQL092K-4R7X	P COIL	4.7uH K
RA5014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7307	NQL092K-4R7X	P COIL	4.7uH K
RA5015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7308	NQL092K-4R7X	P COIL	4.7uH K
RA5016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7309	NQL092K-4R7X	P COIL	4.7uH K
RA5017	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7310	NQL092K-4R7X	P COIL	4.7uH K
RA5018	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7311	NQL092K-4R7X	P COIL	4.7uH K
RA5019	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7312	NQL092K-4R7X	P COIL	4.7uH K
RA5020	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L7313	NQL092K-4R7X	P COIL	4.7uH K
RA5027	NRZ0033-0R0W	NET RESISTOR	0Ω	L7314	NQR0339-001X	FERRITE BEADS	
RA5028	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	L7315	NQL092K-4R7X	P COIL	4.7uH K
RA5029	NRZ0033-0R0W	NET RESISTOR	0Ω	L7316	NQL092K-4R7X	P COIL	4.7uH K
RA5030	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA5031	NRZ0033-0R0W	NET RESISTOR	0Ω	L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA5032	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	L9051	NQLC8CM-150X	COIL	15uH M
RA5033	NRZ0033-0R0W	NET RESISTOR	0Ω	L9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA5034	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	L9307	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA5035	NRZ0033-0R0W	NET RESISTOR	0Ω	L9701	NQLC8CM-150X	COIL	15uH M
RA5036	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA5037	NRZ0033-0R0W	NET RESISTOR	0Ω	CN001	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)
RA5038	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	CN002	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)
RA50502	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	J8501	NNZ0179-001	HDMI CONNECTOR	DIGITAL IN

△Ref No.	Part No.	Part Name	Description Local
J8902	NNZ0179-001	HDMI CONNECTOR	DIGITAL IN
J8903	NNZ0179-001	HDMI CONNECTOR	DIGITAL IN
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6251	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6271	NQR0499-001X	FERRITE BEADS	
K6272	NQR0499-001X	FERRITE BEADS	
K6274	NQR0499-001X	FERRITE BEADS	
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7030	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7031	NQR0450-008X	EMI FILTER	2200pF 50V M
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K7211	NQR0499-002X	FERRITE BEADS	
K7302	NQR0599-004X	FERRITE BEADS	
K7308	NRSA02J-390X	MG RESISTOR	39Ω 1/10W J
K7501	NQR0413-002X	FERRITE BEADS	
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K9010	NQR0413-003X	FERRITE BEADS	
K9051	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9052	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9701	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9702	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
LC6214	NQR0646-001X	EMI FILTER	
LC6501	NQR0628-002X	EMI FILTER	
LC7505	NQR0415-005X	EMI FILTER	0.1uF 25V M
LC9301	NQR0450-004X	EMI FILTER	100pF 50V M
LC9303	NQR0415-005X	EMI FILTER	0.1uF 25V M
LC9305	NQR0415-005X	EMI FILTER	0.1uF 25V M
LC9307	NQR0415-006X	EMI FILTER	
X5001	NAX0958-001X	CXO	74.1758MHz
X6250	NAX0824-001X	CXO	27.000000MHz
X7001	NAX0669-001X	C RESONATOR	6.000MHz
X7309	NAX0938-001X	CRYSTAL	6.000MHz

REMOTE CONTROL UNIT PARTS LIST (RM-C1911S-1C)

△ Ref.No.	Part No.	Part Name	Description	Local
	10032-0023000	BATTERY COVER		

PACKING



PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	GA10290-011A-U	PACKING CASE		
2	GA10296-085A-U	EURO LABEL		LT-47DV8BGP
2	GA10296-086A-U	EURO LABEL		LT-47DV8BJP
3	GA10299-001A-U	CUSHION ASSY	4pacs in 1set	
4	GA10026-003A-U	FORM BAG		
5	-----	BATTERY	AAA/R03(x2)	
6	RM-C1911S-1C	REMOTE CONTROL UNIT		
7	GA30007-001A-U	DOCUMENT BAGS		
8	-----	WARRANTY CARD	BT-54032-1E	
△ 9	LCT2318-001A-U	INST BOOK	English/German/French/Spanish	LT-47DV8BGP
△ 9	LCT2300-001A-U	INST BOOK	English	LT-47DV8BJP
△ 10	GA30011-001A-U	REGISTRATION CARD		LT-47DV8BJP
△ 11	LCT2289-001A-U	DTV INST BOOK	English	LT-47DV8BJP
12	LC34227-001A	CLEANING CLOTH		