

JVC

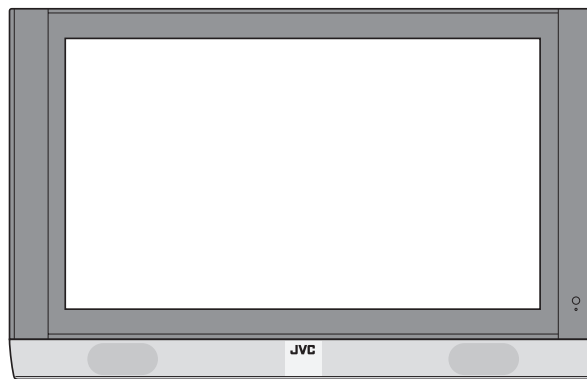
SERVICE MANUAL

PDP COLOR TELEVISION

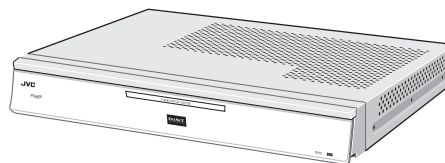
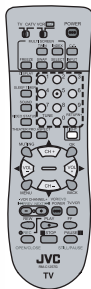
PD-50X575/K

BASIC CHASSIS

FP2



VM-50X575/K [PLASMA DISPLAY UNIT]



TU-50X575/K [RECEIVER UNIT]

I²Art™ *Palette*

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

BBE
HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

TABLE OF CONTENTS

1	PRECAUTION.....	1-3
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-6
3	DISASSEMBLY	1-10
4	ADJUSTMENT	1-21
5	TROUBLESHOOTING	1-29

SPECIFICATION

Items		Contents
Dimensions (W × H × D)	Plasma display unit	135cm × 83.6cm × 11cm
	Receiver unit	43.5cm × 7cm × 31.9cm
Mass	Plasma display unit	51.0kg
	Receiver unit	3.6kg
TV RF System		CCIR (M)
Color System		NTSC
Sound System		A2 (KOREA)
Teletext System		Closed caption (T1-T4 / CC1-CC4)
TV Receiving Channels and Frequency	VHF Low	02ch - 06ch : 54MHz - 88MHz
	VHF High	07ch - 13ch : 174MHz - 216MHz
	UHF	14ch - 69ch : 470MHz - 806MHz
	CATV	54MHz - 804MHz
		Low Band : 02 - 06, A-8 by 02 - 06&01
		High Band : 07 - 13 by 07 - 13
		Mid Band : A - I by 14 - 22
		Super Band : J - W by 23 - 36
		Hyper Band : W+1 - W+28 by 37 - 64
		Ultra Band : W+29 - W+84 by 65 - 94, 100 - 125
		Sub Mid Band : A4 - A1 by 96 - 99
TV / CATV Total Channel		181 Channels [Reception of channel A-5 ("95" of the TV set's on-screen CABLE channel) is recommended for your TV set.]
Intermediate Frequency	Video IF	45.75 MHz
	Sound IF	41.25 MHz (4.5MHz)
Color Sub Carrier		3.58 MHz
Power Input		AC110V - AC240V, 60Hz
Power Consumption	Plasma display unit	Opearate: 567W, Stand by: 0.62W
	Receiver unit	Opearate: 25W, Stand by: 0.12W
Plasma Display Panel (PDP)		50V wide aspect (16:9)
Screen Size		Diagonal : 127.0cm (H:110.7cm × V : 62.2cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		20W + 20W
Speaker	Main (DD)	9.5cm × 1cm, oval type × 2
	Tweeter	2cm, round type × 2
	Woofer	13cm × 6.5cm, oval type × 2
Antenna Terminal		F-type connector, 75Ω unbalanced, coaxial
Video / Audio Input [INPUT-1/2/3/4]	Component Video	RCA pin jack × 6
	[INPUT-1/2]	
	1125i / 750p	Y : 1V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω
	525p / 525i	Y : 1V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω
	S-Video	Mini-DIN 4 pin × 3
	[INPUT-1/2/4]	
	Y: 1V (p-p), Positive (Negative sync provided), 75 Ω	
	C: 0.286V (p-p) (Burst signal), 75 Ω	
	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 4
	Audio	500mV (rms), High impedance, RCA pin jack × 8
Digital Input	Video	HDMI connector × 1 (Digital-input terminal is not compatible with picture signals of computer signal)
	Audio	Digital: HDMI connector × 1 Anarog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
Audio Output	Variable	RCA pin jack × 2 More than 0 to 1000mV (rms) (+2.2dBs)
	Fix	500mV(rms), (-4dBs), low impedance (400Hz when modulated 100%)
PC (RGB) Input		D-sub 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 : 42.0kHz / Vertical : 60Hz)
Subwoofer Output		More than 0 to 1000mV (rms) (+2.2dBs), low impedance (80Hz when modulated 100%), RCA pin jack × 1
AV COMPULINK III		3.5mm mini jack × 1
Center channel Input		500mV(rms) (-4dBs), high impedance, RCA pin jack × 1
Display Input / Output (For system cable)	Control / Audio	D-sub 26-pin connector × 2
	Video	DVI-D 24-pin connector × 2
Remote Control Unit		RM-C1257G (AA/R6 / UM-3 battery × 2)

Design & specifications are subject to change without notice.

SECTION 1

PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (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) : ($\perp$) 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) If any repair has been made to the chassis, it is recommended that the PDP POWER SUPPLY setting should be checked or adjusted.
- (6) The high voltage applied to the PDP must conform with that specified in Service manual. Excessive high voltage can cause an increase in arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper components in the circuitry including the PDP must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10k Ω 2W resistor to the anode button.
- (8) 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.

(9) 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

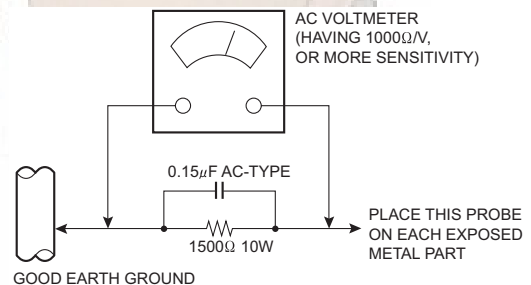
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated 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 INSTALLATION

1.2.1 HEAT DISSIPATION

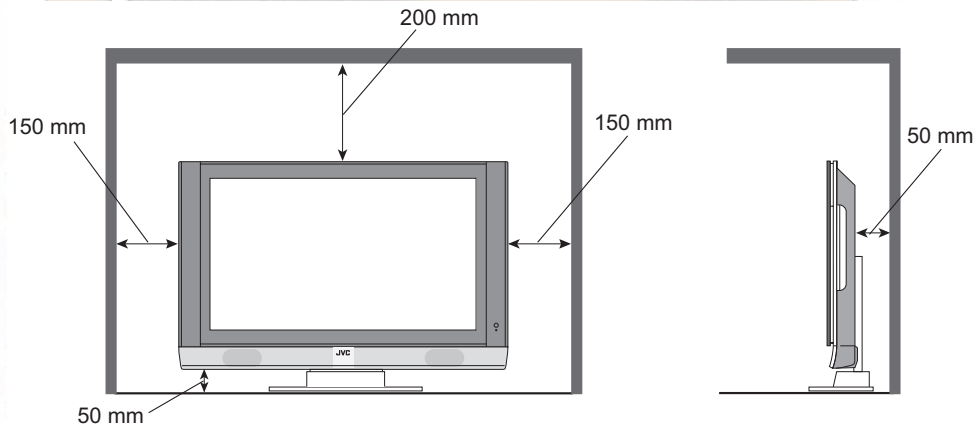
If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.

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.

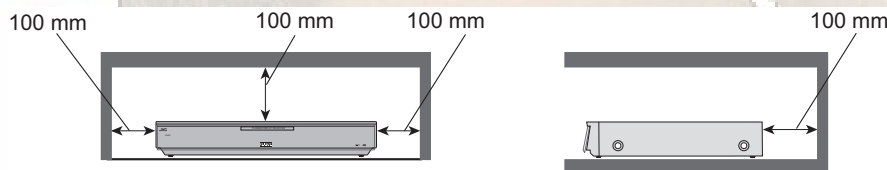
1.2.2 INSTALLATION REQUIREMENTS

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.

■SPACE REQUIRED FOR INSTALLATION OF THE DISPLAY UNIT



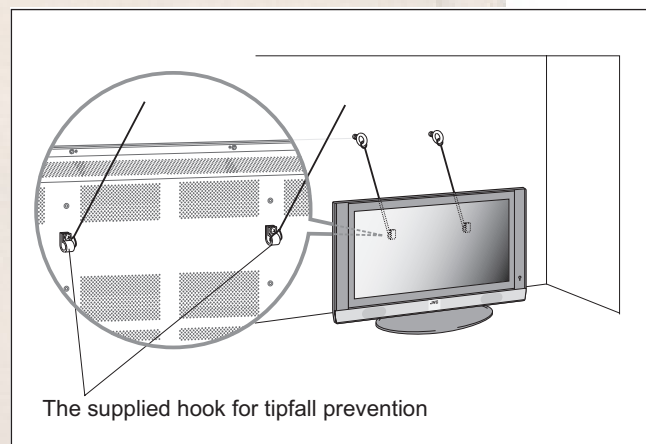
■SPACE REQUIRED FOR INSTALLATION OF THE RECEIVER UNIT



1.2.3 FALL TIP PREVENTION MEASURES

Take precautionary measures to prevent the unit from falling or tipping to protect against emergencies such as earthquakes as well as accidents.

Fasten the supplied hook for tip fall prevention using the screws, also supplied, behind the display unit, and use them together with durable cords (to be purchased separately) to secure the unit to a robust part such as the wall surface or pillars.



1.3 PRECAUTIONS REGARDING PDP

1.3.1 PRECAUTIONS DURING NOTES FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal PDP (Plasma Display 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 prior to delivery such as through explaining the handling instructions to transporters.

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

(1) Avoid vibrations and impacts

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

(2) Do not place equipment horizontally

Ensure that it is placed upright and not horizontally during transportation and storage as the PDP is very vulnerable to lateral impacts and may break easily under such circumstances.

During transportation, ensure that the unit is loaded along the traveling direction of travel 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.

1.3.2 RESIDUAL IMAGE / BURN-IN ON SCREEN

Like CRTs, "burn-in" may occur when a same image is continuously displayed over an extended period of time.

As this may also shorten the life span of the PDP. Therefore, turn off the display when not in use, scroll the screen, make use of screen-savers, or allow even distribution on the display by inverting the brightness, switching to complementary colors or inserting animated images at periodic intervals.

As burn-in is more likely to occur with high brightness and contrast settings, try to use neutral gradations or medium tone colors.

Burn-in does not occur in the case of animated images.

When switching to another image after continuous display of the previous image, residual images may become prominent, as luminance in a part of the display is higher than the other parts.

This is not a defect but is because due to the discharge surface of the lighted portion has become being relatively activated and its luminance higher than the unlighted parts.

1.3.3 INFRARED RAYS

Near Near-infrared rays (800nm to 1000nm) are emitted from the front of the panel, and this may give rise to malfunctions in infrared remote controls or communication systems placed near it. In this case, avoid direct infrared rays (and reflected rays in some cases) from the screen by either changing the direction of the unit or other infrared systems or securing a longer keeping a distance from the screen.

1.3.4 OPTICAL FILTER (PANEL FILTER)

Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.

Clean the filter surface by wiping it softly lightly with outing flannels a soft and lightly fuzz cloth (such as flannel).

Do not use solvents such as benzine 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.

As the filter surface is fragile., do not scratch or hit it with hard materials.

1.3.5 NOTES PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (back REAR COVER, FRONT PANEL, optical filter)

- Do not exert pressure on the front of the PDP (glass surface).
- Pay careful attention not to scratch or stain the front of the PDP (surface) with hands.
- When replacing exterior parts, the front of the PDP should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front surface. However, never use materials that are too soft (such as blanket cloth). If replacement is made with the PDP surface facing downward and in contact with the blanket, pressure may be exerted on the PDP, thus causing damages to it.

SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

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.

SMART CAPTION

Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

SMART SOUND

Decreases high sound levels, giving a regulated sound level.

VIDEO STATUS

Expression of a favorite screen can be chosen by the VIDEO STATUS function.

[STANDARD ↔ DYNAMIC ↔ THEATER ↔ GAME]

DIGITAL INPUT

Digital-in will display when any picture signal in Digital-in is displayed.

V-CHIP

Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

NATURAL CINEMA

Watching the movie or animation, press the Natural Cinema to adjust the out line of the images to make thin more sharp.

BBE

High definition audio adds natural, clear and extraordinary sound quality to any program.

VIDEO INPUT LABEL

This function is used to label video input connections for the onscreen displays.

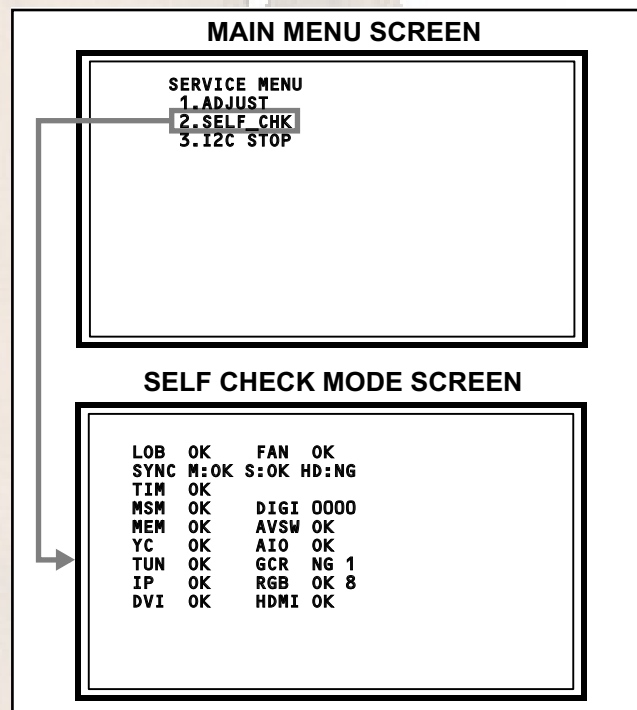
A.H.S.

Adds a more spacious surround sound. Music gives basic effect and Movie for more effect.

2.2 SYSTEM SETTING

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

- (1) Set to 0 minutes using the [SLEEP TIMER] key.
- (2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.
- (3) When the Main Menu is displayed, press [2] key to enter the self check mode.
- (4) Turn off the power by pressing the [POWER] key on the remote control unit.



2.3 TECHNICAL INFORMATION

2.3.1 PDP STRUCTURE AND CHARACTERISTIC

This unit uses the flat type panel PDP (Plasma Display Panel), instead of the conventional CRT (Cathode Ray Tube), as a display unit.

2.3.1.1 PIXEL (CELL) ARRAY

PDP is constructed by sealing the xenon, which emits neon and ultraviolet rays for discharging purpose, in between the electrodes lay on the front glass substrate and rear glass substrate.

One pixel is composed of 3 RGB cells, with cell pitch of 0.270mm (1 pixel 0.810mm) horizontally and 0.810mm vertically.

The cell is arrayed in each RGB color as shown in Fig. 1. One pixel is formed by interlacing each RGB color cell.

One cell size is 0.270mm horizontally and 0.810mm vertically.

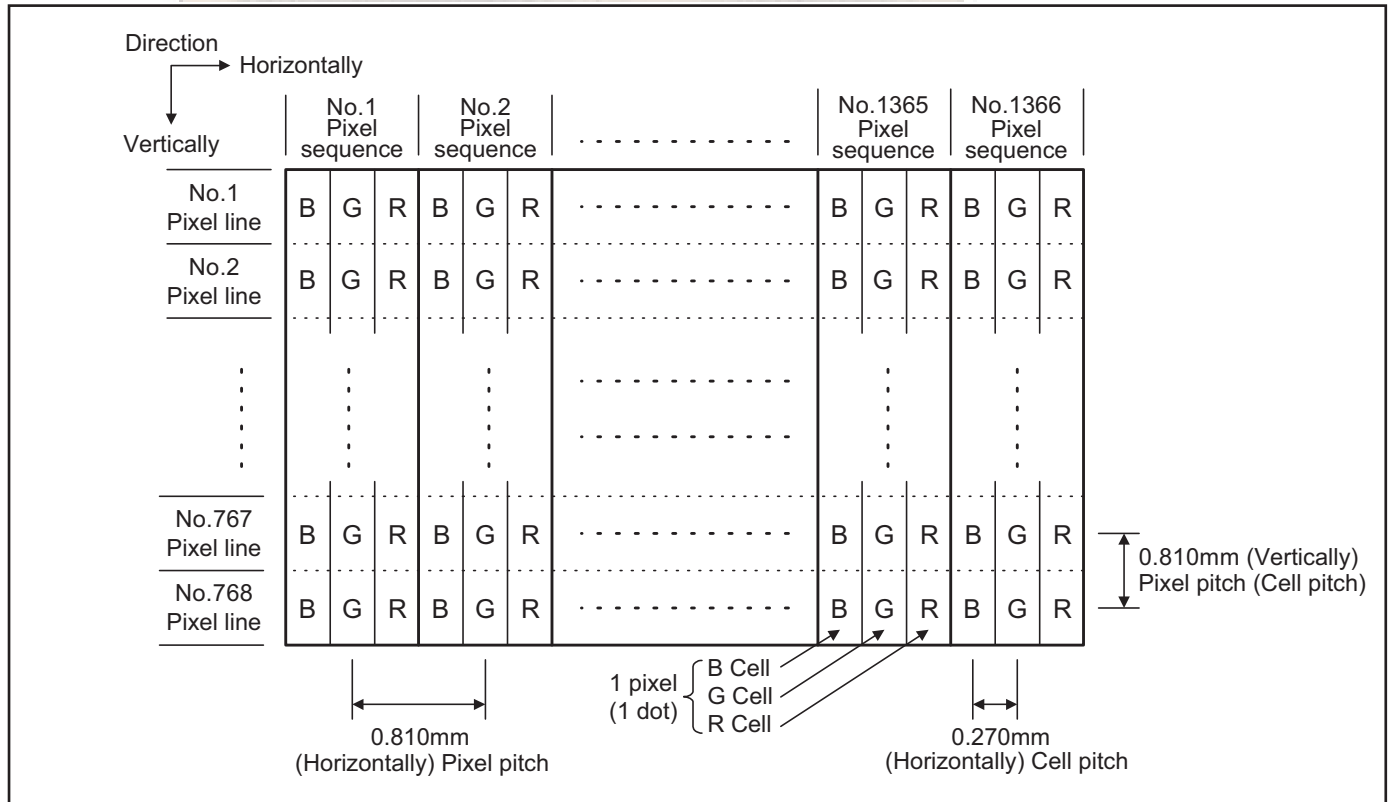


Fig.1

2.3.1.2 PIXEL DEFECTS

Though PDP is made by means of ultra precise technology, there are cases whereby not all pixels (cell) will function properly. In some cases, there may be defective pixels that do not light at all or the ones that always light on.

There are 3 types of Pixel defects, [Bright Dot Defects], [Dark Dot Defects] and [Flicker Dot Defects], as defined respectively in the following:

(1) 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.

(2) 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.

(3) 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.

2.3.2 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL SIGNAL PWB ASS'Y / RECEIVER UNIT]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	VHOLD1	I	Data slice for main screen closed caption	51	NC	O	Not used
2	HFLT1	I/O	LPF for main screen closed caption video input	52	NC	O	Not used
3	NC	O	Not used	53	NC	O	Not used
4	NC	O	Not used	54	NC	O	Not used
5	DIGR0	O	R [0] for OSD	55	NC	O	Not used
6	TB1in	I	AC power for timer clock	56	NC	O	Not used
7	REMO	I	Remote control	57	NC	O	Not used
8	BYTE	I	Data bus width select [L = 16bit (fixed)]	58	NC	O	Not used
9	CNVss	I	CPU programming mode select [Normal = L]	59	NC	O	Not used
10	DIGG0	O	G [0] for OSD	60	NC	O	Not used
11	DIGB0	O	B [0] for OSD	61	NC	O	Not used
12	RESET	I	Reset for main CPU [Reset = L]	62	HSYNC	I	H. sync for OSD
13	Xout	O	System clock oscillation (crystal) : 16MHz	63	NC	O	Not used
14	Vss	-	GND	64	VSYSNC	I	V. sync for OSD
15	Xin	I	System clock oscillation (crystal) : 16MHz	65	NC	O	Not used
16	Vccl	I	3.3V stand-by power supply	66	NC	O	Not used
17	OSC1	I	Clock for OSD	67	NC	O	Not used
18	OSC2	O	Not used : Clock for OSD	68	NC	O	Not used
19	INT1	I	AV COMPULINK control	69	NC	O	Not used
20	INT0	I	Request for sub(chassis) CPU communication (serial data)	70	NC	O	Not used
21	OUT1	O	Ys (blanking) for OSD	71	NC	O	Not used
22	OUT2	O	YM (transparence) for OSD	72	NC	O	Not used
23	NC	O	Not used	73	NC	O	Not used
24	NC	O	Not used	74	NC	O	Not used
25	NC	O	Not used	75	NC	O	Not used
26	NC	O	Not used	76	NC	O	Not used
27	CTA2/RTS2	O	Not used : Digital tuner control	77	NC	O	Not used
28	CLK2	O	Not used : Digital tuner control	78	NC	O	Not used
29	RxD2	I	Not used : Digital tuner control	79	NC	O	Not used
30	TxD2	O	Not used : Digital tuner control	80	NC	O	Not used
31	SDA2	I/O	Not used	81	NC	O	Not used
32	DIGR1	O	R [1] for OSD	82	NC	O	Not used
33	DIGG1	O	G [1] for OSD	83	NC	O	Not used
34	DIGB1	O	B [1] for OSD	84	WAKE	O	Reset for sub(chassis) CPU
35	TxD0	I	Data receive (serial) for external programming	85	CARD_DET	I	Not used : Card detection for ATSC digital tuner
36	RxD0	O	Data transmission (serial) for external programming	86	POWER_SW	I	Not used : Power switch (mechanical) detection
37	CLK0	I	Clock for external programming	87	NC	I/O	Data for Inter IC (serial) bus control : memory
38	RTS0	O	Busy for external programming [Operation = H]	88	NC	O	Clock for Inter IC (serial) bus control : memory
39	P5.7	I	Not used	89	DIGR2	O	R [2] for OSD
40	P5.6	O	Not used	90	DIGG2	O	G [2] for OSD
41	HOLD	I	CPU programming mode select [Normal = H]	91	DIGB2	O	B [2] for OSD
42	P5.4	O	Not used	92	NC	O	Not used
43	P5.3	O	Not used	93	KEY2	I	Key scan data for front control button (MENU/CH+/CH-) KEY2
44	P5.2	O	Not used	94	KEY1	I	Key scan data for front control button (VOL+/VOL-) KEY1
45	P5.1	O	Not used	95	VHOLD2	I	Data slice for sub screen closed caption
46	WR	O	CPU programming mode select [Normal = L]	96	HLF2	I/O	LPF for sub screen closed caption video input
47	P4.7	O	Data transmission for sub(chassis) CPU communication (serial)	97	CVIN2	I	Video(Y) for sub screen closed caption
48	P4.6	I	Data receive for sub(chassis) CPU communication (serial)	98	TVSETB	I	Test terminal [L Fixed]
49	P4.5	I	Clock for sub(chassis) CPU communication (serial)	99	VCCE	I	5V stand-by power supply
50	P4.4	O	Not used	100	CVIN1	I	Video(Y) for main screen closed caption

2.3.3 SUB (CHASSIS) CPU PIN FUNCTION [IC7001 : DIGITAL SIGNAL PWB ASS'Y / RECEIVER UNIT]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	LB_PRO	O	Not used	51	BS_TXD	O	Not used : Data transmission for digital tuner communication
2	P_MU	O	Picture muting [Muting = H]	52	BS_RXD	I	Not used : Data receive for digital tuner communication
3	JP_CSB	O	Not used (NC)	53	NC	O	Not used (NC)
4	A_MU	O	Audio muting [Muting = H]	54	VREF+	I	3.3V power supply
5	M_MU	O	Audio muting (for AUDIO OUT) [Muting = H]	55	PDP_TX	O	Data transmission for SUB (DRIVE) CPU communication
6	PC_SEL	O	Not used : RGB(PC) INPUT select	56	PDP_RX	I	Data receive for SUB (DRIVE) CPU communication
7	ON_TIMER	O	POWER INDICATOR (LED) brightness [LOW = L]	57	SDA0	I/O	Data for Inter IC (serial) bus : EEPROM (IC7002)
8	ILA0	O	Not used : LCD back light lighting	58	SCL0	O	Clock for Inter IC (serial) bus : EEPROM (IC7002)
9	ILA1	O	Not used : LCD panel overshoot refresh timing	59	SDA_DVI	I/O	Data for Inter IC (serial) bus for panel communication
10	ILA2	O	Not used	60	SCL_DVI	O	Clock for Inter IC (serial) bus for panel communication
11	POW_LED	O	POWER LED lighting [ON = H]	61	AVSS	-	GND
12	WORD	O	Not used	62	DIGI_PHOT	I	Photo sensor for DIGITAL-IN illegal copy protection
13	MI_CK	I	Clock for SUB (OSD) CPU communication	63	AGC	I	Not used
14	MI_TX	I	Data receive for SUB (OSD) CPU communication	64	EXT_YS1	I	Not used
15	MI_RX	O	Data transmission for SUB (OSD) CPU communication	65	EXT_YS2	I	Not used
16	MI_REQ	O	Data request for SUB (OSD) CPU communication [Request = L]	66	VDD	I	3.3V power supply
17	VDD	I	3.3V power supply	67	DIGI_PRO	O	for DIGITAL-IN (HDMI)
18	FOSC	O	Not used (NC)	68	GCR_RST	O	Not used (NC)
19	VSS	-	GND	69	GR_ON	O	Not used (NC)
20	X1	I	Not used : Low speed oscillation	70	SYNC_SEL	O	Not used : Sync select for digital tuner
21	X0	O	Not used : Low speed oscillation	71	NC	O	Not used (NC)
22	VDD	I	3.3V power supply	72	NC	O	Not used (NC)
23	OSC1	I	System clock oscillation (crystal) : 16MHz	73	SBD5	I/O	Not used : Data for writing on board (connect CN01P : for Frash ROM type)
24	OSC0	O	System clock oscillation (crystal) : 16MHz	74	SBT5	I	Not used : Clock for writing on board (connect CN01P : for Frash ROM type)
25	MODE	I	Single chip mode	75	NMI	I	3.3V power supply
26	BS1.5CTL	O	Not used : Digital tuner power / reset control	76	COMP	I	AV COMPULINK III control
27	A92RES	O	Reset for IC1001(3D YC SEP / COLOR DEMODULAT) [Reset = H]	77	REMO	I	Remote control
28	BS_RST	O	Not used: Reset for Digital tuner power / reset control	78	VSYNC	I	V. sync pulse
29	LIP_RST	O	Not used: Reset for Sound delay (Lip sync)	79	WAKE	I	Reset for sub(chassis) CPU
30	SOFT_OFF	O	Not used	80	POWERGOOD	I	Power error detection [NG = H]
31	VMUTE	I	No use : Picture muting request from digital tuner	81	NC	O	Not used (NC)
32	VOUTENB	O	No use : Video cutoff for digital tuner	82	RST	I	Reset for MAIN CPU [Reset = L]
33	MDR_CON	I	System cable connection monitor for PDP	83	VDD	I	3.3V power supply
34	AVDD	I	3.3V power supply	84	SCL3A	O	Clock for Inter IC (serial) bus control
35	BS_POW	O	Not used : Digital tuner power control	85	SDA3A	I/O	Data for Inter IC (serial) bus control
36	DsyncSW2	O	Sync select for DIGITAL-IN [Cotrolled with 99-pin]	86	SCL3B	O	Clock for Inter IC (serial) bus control
37	LB_POW	O	Not used : Power control for low bias line	87	SDA3B	I/O	Data for Inter IC (serial) bus control
38	NC	O	Not used (NC)	88	DIGI_SYNCSEL	O	Not used
39	HOTPLUG	I	Video communiation monitor for receiver unit (PDP)	89	DIGI_LRSW	O	For DIGITAL-IN (HDMI)
40	MECA_SW	I	Mechanical monitor for POWER switch [Push = L]	90	DIGI_INT	I	Reset for HDMI process [Reset = L]
41	MAIN_POW	O	Main power control [ON = L]	91	DVI_RST	O	Reset for DVI format conversion
42	MSP_RST	O	AUDIO OUT output mode select [VARIABLE = L]	92	VSS	-	GND
43	VREF-	I	Not used	93	SCL5055	O	Clock for Inter IC (serial) bus : JCC5055 (DIST process)
44	AFT2	I	Not used : AFT voltage for sub tuner	94	VFORMATSEL	O	Not used : Digital tuner clock control
45	AFT1	I	AFT voltage for VHF/UHF tuner	95	SDA5055	I/O	Data for Inter IC (serial) bus : JCC5055 (DIST process)
46	KEY2	I	Key scan data for front switch (MENU/CH+/CH-)	96	OSD_MODE_SEL	O	Not used : OSD mode select
47	KEY1	I	Key scan data for front switch (VOL+/VOL-)	97	NC	O	Not used (NC)
48	NC	O	Not used (NC)	98	15K/OTH	O	Main video select [Fixed H]
49	NC	O	Not used (NC)	99	DsyncSW1	O	Sync select for DIGITAL-IN [Cotrolled with 36-pin]
50	AC_IN	I	AC power pulse for timer clock	100	57 BUSY	I	Busy monitor for JCC5057 (New DIST process)

SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE (DISPLAY UNIT)

NOTE:

- When exchanging parts etc. with the front side (PDP side) facing down, place a protection sheet under the DISPLAY UNIT to prevent scratches on the front side.
- It is advisable to take notes of the connecting locations (connector numbers) of the removed connectors.

3.1.1 REMOVING THE REAR COVER (Fig.1)

- (1) Remove the power cord and the system cable.
- (2) Remove the 11 screws **[A]** and the 14 screws **[B]**, then remove the REAR COVER.

3.1.2 REMOVING THE BACK COVER AND SPEAKER HOLDER (Fig.1)

- (1) Remove the 8 screws **[C]**, then remove the BACK COVER.
- (2) Remove the SPEAKER HOLDER.

3.1.3 REMOVING THE CHASSIS SHIELD BRACKET AND THE TERMINAL COVER (Fig.1)

- Remove the REAR COVER.
- (1) Remove the 6 screws **[D]**, then remove the CHASSIS SHIELD BRACKET.
- (2) Remove the 2 screws **[E]** and the 5 screws **[F]**, then remove the TERMINAL COVER.

3.1.4 REMOVING THE LINE FILTER PWB (Fig.1)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- (1) Remove the 2 claws **[G]**, then remove the LINE FILTER INSULATOR.
- (2) Disconnect the connector **[CN8001]** from the MAIN POWER UNIT.
- (3) Remove the 2 screws **[H]** and the 1 screw **[I]**, then remove the LINE FILTER PWB.

3.1.5 REMOVING THE AUDIO PWB (Fig.1.)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- (1) Disconnect the connector **[CN60SL]** / **[CN60CB]** / **[CN60SR]** from the AUDIO PWB.
- (2) Disconnect the connector **[CN9001]** from the SUB POWER PWB.
- (3) Disconnect the connector **[CN00A]** / **[CN00C]** / **[CN00D]** from the DISPLAY INTERFACE PWB.
- (4) Remove the 4 screws **[J]**, then remove the AUDIO PWB.

3.1.6 REMOVING THE DISPLAY INTERFACE PWB (Fig.1)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- (1) Disconnect the connector **[CN00A]** / **[CN00C]** / **[CN00D]** / **[CN00E]** / **[CN00G]** / **[CN00Q]** / **[CN00T]** / **[CN00X]** / **[CN00V]** / **[CN0FL]** / **[CN0FR]** / **[CN601]** / **[CNAH1]** from the DISPLAY INTERFACE PWB.
- (2) Remove the 3 screws **[K]**, the 2 screws **[L]** and the 2 screws **[M]**, then remove the DISPLAY INTERFACE PWB.

3.1.7 REMOVING THE CHASSIS BASE (Fig.1)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the LINE FILTER PWB.
- Remove the AUDIO PWB.
- Remove the DISPLAY INTERFACE PWB.
- (1) Remove the 2 screws **[N]**, then remove the CHASSIS BASE.

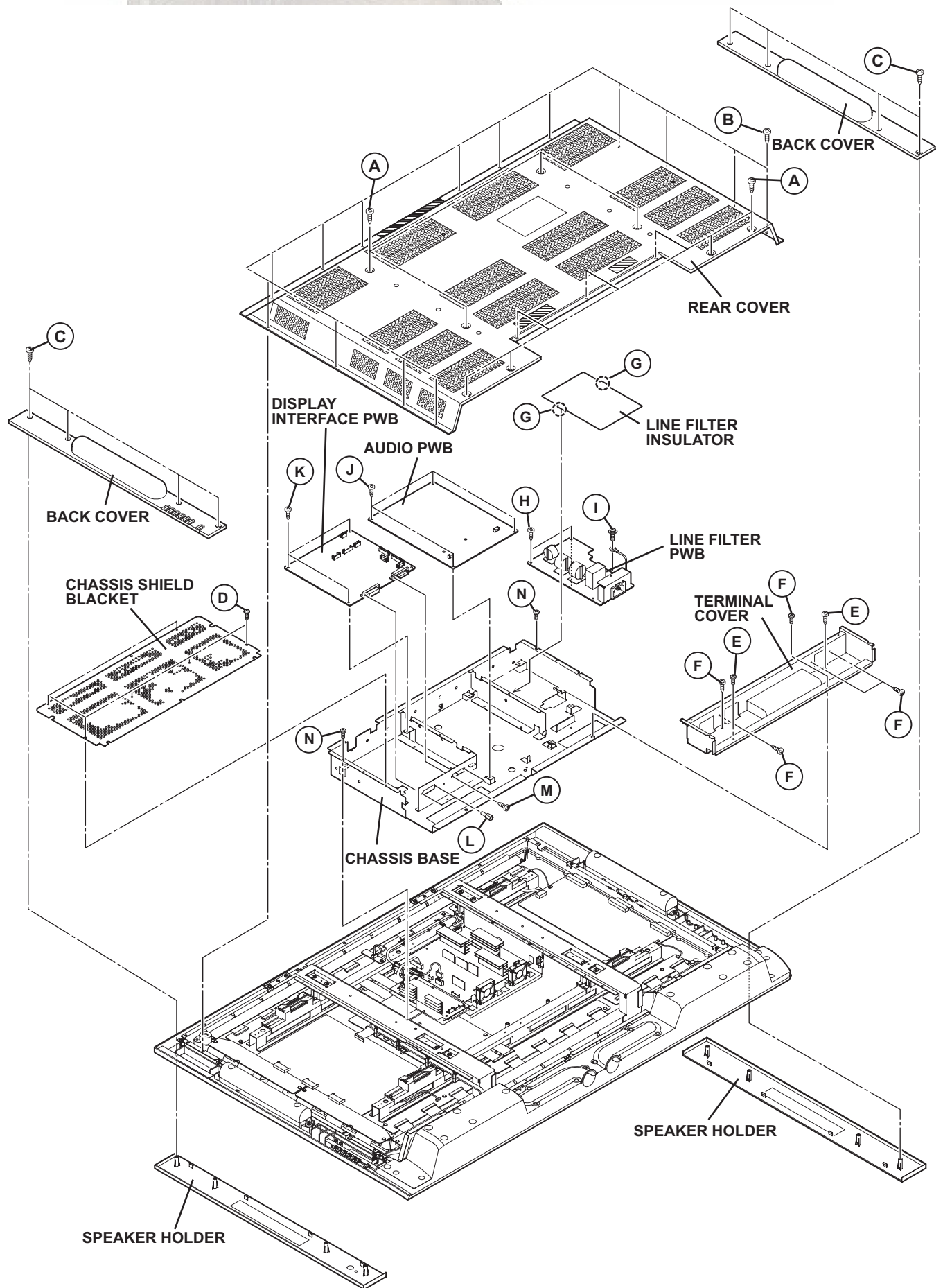


Fig.1

3.1.8 REMOVING THE TEMP. SENSOR PWB (Fig.2)

- Remove the REAR COVER.
- (1) Disconnect the connector [CN800V] from the TEMP. SENSOR PWB PWB .
- (2) Remove the 1 screw [O], then remove the TEMP. SENSOR PWB.

3.1.9 REMOVING THE MAIN POWER UNIT (Fig.2)

- Remove the REAR COVER.
- (1) Disconnect the connector [CN805] / [CN806] / [CN8001] / [CN8009] / [CN8011] / [CN9001] from the MAIN POWER UNIT .
- (2) Remove the 8 screws [P], then remove the MAIN POWER UNIT.

3.1.10 REMOVING THE SUB POWER PWB (Fig.2)

- Remove the REAR COVER.
- (1) Disconnect the connector [CN9001] / [CN9002] / [CN9005] from the SUB POWER PWB .
- (2) Remove the 4 screws [Q], then remove the SUB POWER PWB.

3.1.11 REMOVING THE COOLING FAN (Fig.2)

- Remove the REAR COVER.
- (1) Disconnect the connector [CN0FL] / [CN0FR] from the DISPLAY INTERFACE PWB .
- (2) Remove the 4 screws [R], then remove the FAN BRACKET by lifting upward.
- (3) Remove the 4 screws [S], then remove the COOLING FAN by pulling in the arrowed direction.

3.1.12 REMOVING THE POWER CHASSIS BASE (Fig.2)

- Remove the REAR COVER.
- Remove the MAIN POWER UNIT.
- Remove the SUB POWER PWB.
- Remove the COOLING FAN.
- (1) Remove the 5 screws [T], then remove the POWER CHASSIS BASE.

3.1.13 REMOVING THE DISPLAY SWITCH PWB (Fig.2)

- Remove the BACK COVER.
- Remove the SPEAKER HOLDER.
- (1) Remove the 2 screws [U], then remove the CONTROL KNOB.
- (2) Remove the 3 screws [V], then remove the DISPLAY SWITCH PWB.
- (3) Disconnect the connector [CN000T] from the DISPLAY SWITCH PWB .

3.1.14 REMOVING THE DISPLAY LED PWB (Fig.2)

- Remove the BACK COVER.
- Remove the SPEAKER HOLDER.
- Remove the DISPLAY SWITCH PWB.
- (1) Remove the 2 screws [W], then remove the DISPLAY LED PWB.
- (2) Disconnect the connector [CN000X] from the DISPLAY LED PWB .

3.1.15 REMOVING THE DD SPEAKER (Fig.2)

- Remove the REAR COVER.
- Remove the BACK COVER.
- Remove the SPEAKER HOLDER.
- (1) Disconnect the connector [CN60SR] / [CN60SL] from the AUDIO PWB .
- (2) Remove the 4 screws [X], then remove the DD SPEAKER.

3.1.16 REMOVING THE WOOFER SPEAKER (Fig.2)

- Remove the REAR COVER.
- (1) Disconnect the connector [CN60CB] from the AUDIO PWB.
- (2) Remove the 6 screws [Y], then remove the WOOFER SPEAKER UNIT.
- (3) Remove the 14 screws [Z], then remove the WOOFER BACK COVER.
- (4) Remove the 8 screws [A'], then remove the WOOFER SPEAKER.

3.1.17 REMOVING THE PDP (PANEL) UNIT (Fig.2)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the POWER CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the TEMP. SENSOR.
- (1) Remove the 8 screws [B'] and the 8 screws [C'], then remove the BACK BRACKET.
- (2) Remove the 4 screws [D'] then Lift the PDP straight upward and remove it with extra attention not to impose any shock to the PDP.

CAUTION:

- More than two people are required to remove the PDP unit.
- The gas pouring port is covered with the protection material. During the operation, be careful not to damage the gas pouring port.
- Do not touch the front side (glass) of the PDP with your fingers.

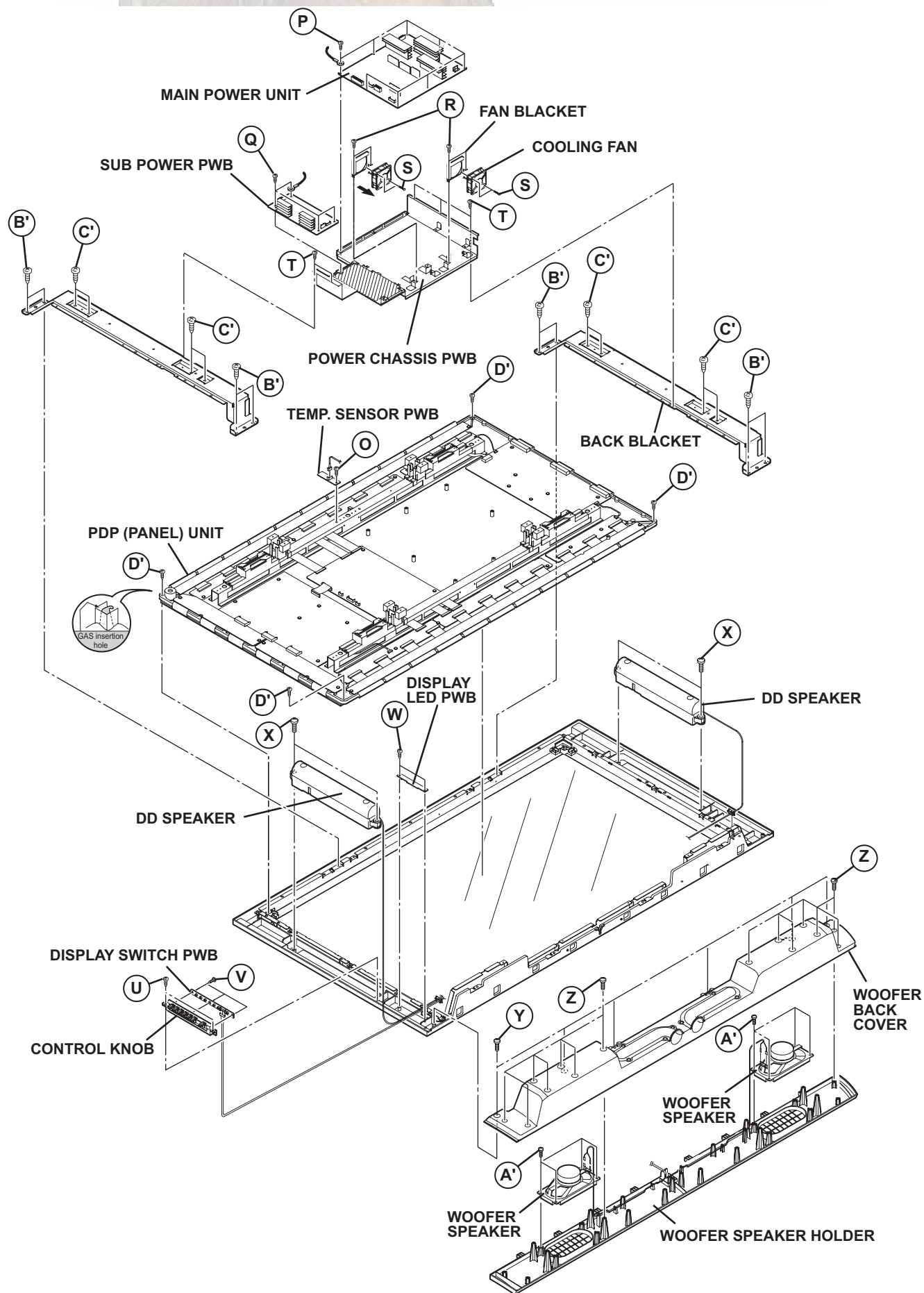


Fig.2

3.1.18 REMOVING THE PWB IN PDP UNIT

3.1.18.1 REMOVING THE X LEFT TOP PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connector [P4] / [P5] / [P501] / [P502] / [P503] / [P504] from the X-LEFT TOP PWB .
 - (2) Remove the 2 screws [a] and the 1 screw [b], then remove the X LEFT TOP PWB.

3.1.18.2 REMOVING THE X CENTER TOP PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connector [P5] / [P6] / [P10] / [P100] / [P505] / [P506] / [P507] / [P508] from the X-CENTER TOP PWB .
 - (2) Remove the 1 screw [b] and the 2 screws [c], then remove the X CENTER TOP PWB.

3.1.18.3 REMOVING THE X RIGHT TOP PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connectors [P1] / [P4] / [P5] / [P6] / [P509] / [P510] / [P511] from the X-RIGHT TOP PWB .
 - (2) Remove the 2 screws [d], then remove the X RIGHT TOP PWB.

3.1.18.4 REMOVING THE Z SUS PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connectors [P1] / [P2] / [P3] / [P5] / [P6] / [P9] / [P12] from the Z SUS PWB .
 - (2) Remove the 9 screws [e], then remove the Z SUS PWB.

3.1.18.5 REMOVING THE LVDS CONTROL PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connectors [P3] / [P6] / [P101] / [P102] / [P103] / [P104] / [P105] / [P106] / [P200] / [P201] / [P300] from the LVDS CONTROL PWB .
 - (2) Remove the 4 screws [f], then remove the LVDS CONTROL PWB.

3.1.18.6 REMOVING THE Y SUS PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connectors [1] / [P2] / [P3] / [P4] / [P5] / [P7] / [P9] / [P11] from the Y SUS PWB .
 - (2) Remove the 8 screws [g], then remove the Y SUS PWB.

3.1.18.7 REMOVING THE Y DRIVE UPPER PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connectors [P2] / [P10] from the Y-SUB PWB .
 - (2) Disconnect the connector [P6] / [P7] / [P8] / [P9] / [P10] / [P12] / [P13] from the Y-DRIVE UPPER PWB .
 - (3) Remove the 2 screws [h], then remove the Y DRIVE UPPER PWB.

3.1.18.8 REMOVING THE Y DRIVE LOWER PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connector [P2] / [P10] from the Y-SUB PWB .
 - (2) Disconnect the connector [P1] / [P2] / [P3] / [P4] / [P5] / [P11] from the Y-DRIVE LOWER PWB .
 - (3) Remove the 2 screws [i], then remove the Y DRIVE LOWER PWB.

3.1.18.9 REMOVING THE X RIGHT BOTTOM PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connector [P2] / [P3] / [P7] / [P401] / [P402] / [P403] from the X-RIGHT BOTTOM PWB .
 - (2) Remove the 2 screws [j], then remove the X RIGHT BOTTOM PWB.

3.1.18.10 REMOVING THE X CENTER BOTTOM PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connectors [P1] / [P4] / [P7] / [P405] / [P406] / [P407] / [P408] / [P425] from the X-CENTER BOTTOM PWB .
 - (2) Remove the 2 screws [k] and the 1screw [k], then remove the X CENTER BOTTOM PWB.

3.1.18.11 REMOVING THE X LEFT BOTTOM PWB (Fig.3)

- Remove the PDP UNIT.
 - (1) Disconnect the connectors [P1] / [P2] / [P401] / [P402] / [P403] / [P404] from the X LEFT BOTTOM PWB .
 - (2) Remove the 1 screw [m] and the 2 screws [n], then remove the X-LEFT BOTTOM PWB.

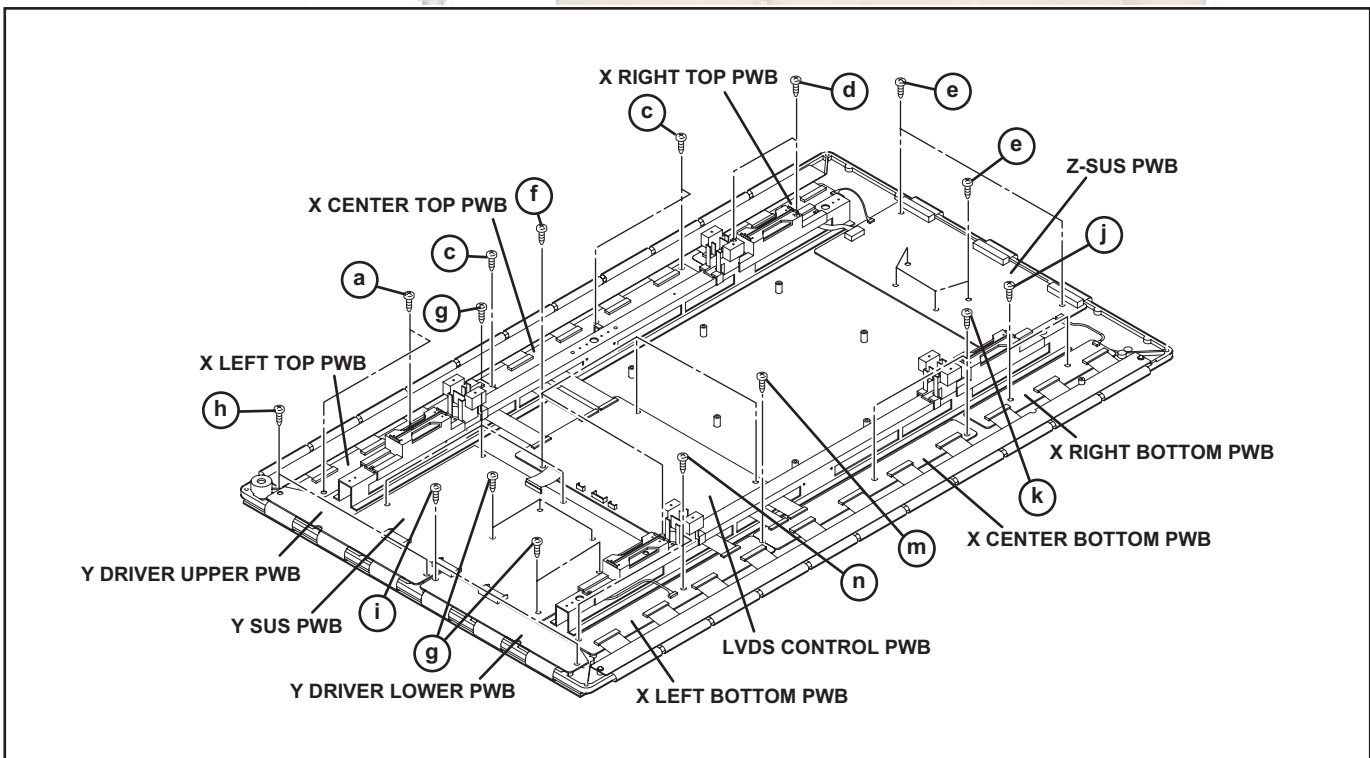


Fig.3

3.1.19 REMOVING THE FRONT FILTER (Fig.4)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the POWER CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the TEMP. SENSOR.
- Remove the PDP UNIT.

- (1) Remove the 12 screws [u], then remove the FILTER BRACKET.
- (2) Remove the FRONT FILTER with enough care not to damage it.

3.1.20 REMOVING THE TOP FRAME BRACKET, BOTTOM FRAME BRACKET AND SIDE FRAME BRACKET (Fig.4)

- Remove the REAR COVER.
- Remove the CHASSIS SHIELD BRACKET.
- Remove the TERMINAL COVER.
- Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the POWER CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- Remove the TEMP. SENSOR.
- Remove the PDP UNIT.
- Remove the FRONT FILTER.

- (1) Remove the 6 screws [v], then remove the FRONT PANEL.
- (2) Remove the 8 screws [w], then remove the SPACER.
- (3) Remove the 4 screws [x], then remove the TOP FRAME BRACKET, BOTTOM FRAME BRACKET and SIDE FRAME BRACKET.

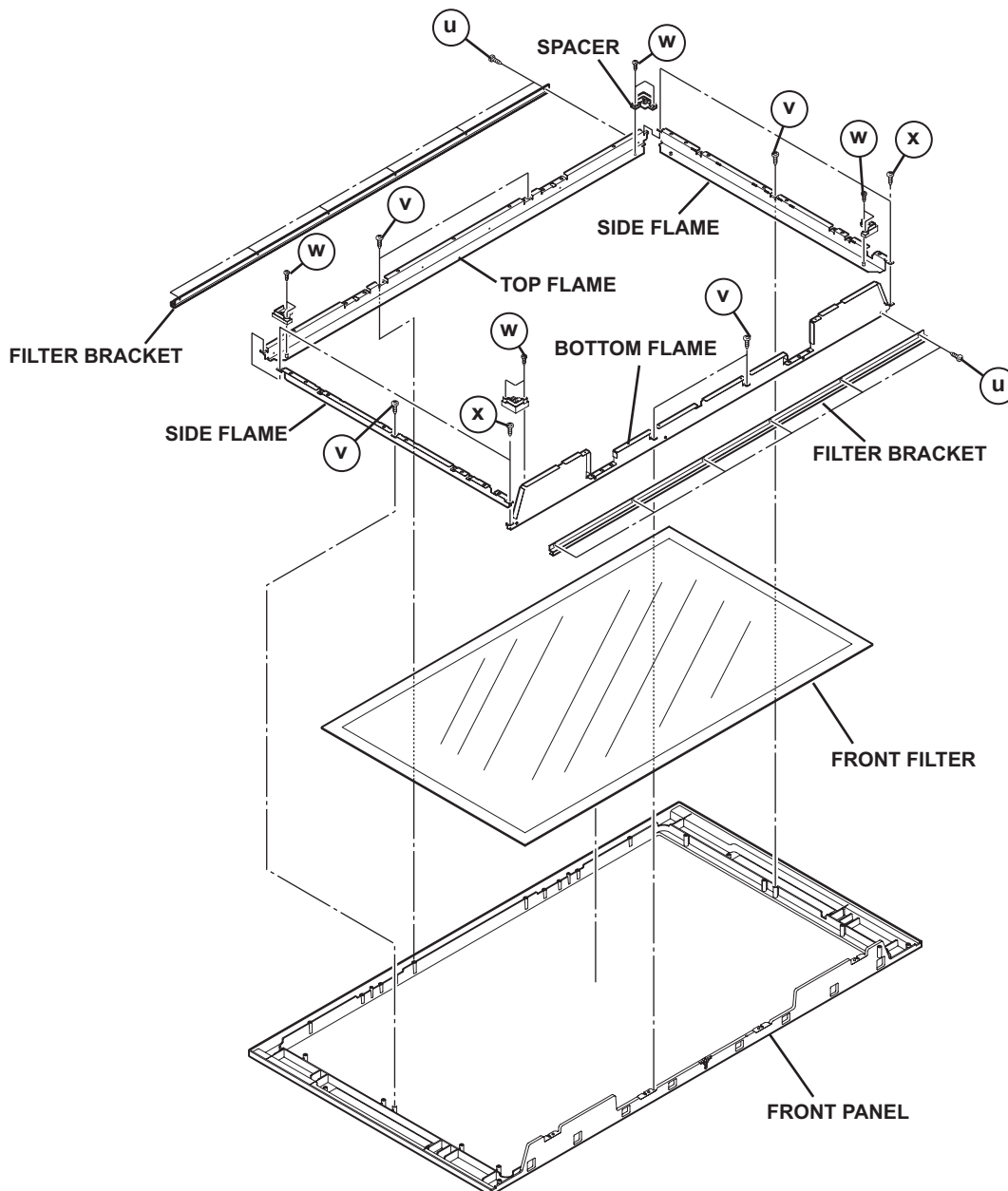


Fig.4

3.2 DISASSEMBLY PROCEDURE (RECEIVER UNIT)

CAUTION AT DISASSEMBLY:

- Be sure to perform the **SYSTEM SETTING** on the page 1-6, 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.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.2.1 REMOVING THE TOP COVER

- (1) Remove the 9 screws **[A]** then remove the TOP COVER.

3.2.2 REMOVING THE FRONT PANEL

- Remove the TOP COVER.
 - (1) Remove the 3 screws **[B]** and the 1 screw **[C]**.
 - (2) Remove the 3 claws **[D]** and the 2 claws **[E]**.
 - (3) Remove the FRONT PANEL toward you.

3.2.3 REMOVING THE FRONT CONTROL PWB

- Remove the TOP COVER.
- Remove the FRONT PANEL.
 - (1) Remove the **[CN00F]** connector on the ANALOG SIGNAL PWB.
 - (2) Remove the 4 screws **[F]**, then remove the FRONT CONTROL PWB.

3.2.4 REMOVING THE REAR COVER

- Remove the TOP COVER.
 - (1) Remove the 10 screws **[G]**, the 2 screws **[K]**, the 2 screws **[L]**, the 2 screws **[M]** and 1 screw **[N]**.
 - (2) Remove the REAR COVER toward you.

3.2.5 REMOVING THE RECEIVER PWB

- Remove the TOP COVER.
- Remove the REAR COVER.
 - (1) Remove the **[CN00A]** / **[CN00T]** connectors on the RECEIVER PWB.
 - (2) Remove the RECEIVER PWB.

3.2.6 REMOVING THE REAR JACK PWB

- Remove the TOP COVER.
- Remove the REAR COVER.
 - (1) Remove the **[CNJ0J1]** / **[CNJ0J2]** connectors on the ANALOG SIGNAL PWB.
 - (2) Remove the 2 screws **[S]**, then remove the REAR JACK PWB.

3.2.7 REMOVING THE DIGITAL SIGNAL PWB

- Remove the TOP COVER.
- Remove the REAR COVER.
 - (1) Remove the **[CN001]** / **[CN002]** connectors on the ANALOG SIGNAL PWB.
 - (2) Remove the **[CN003]** connector on the REGULATOR PWB.
 - (3) Remove the 4 screws **[T]**, then remove the TUNER HOLDER.
 - (4) Remove the 4 screws **[U]**, then remove the DIGITAL SIGNAL PWB.

CAUTION:

Make sure to perform the "SYSTEM SETTING" on page 1-6, when DIGITAL SIGNAL PWB is replaced.

3.2.8 REMOVING THE REGULATOR PWB

- Remove the TOP COVER.
- Remove the FRONT PANEL.
 - (1) Remove the **[CN00D]** connector on the ANALOG SIGNAL PWB.
 - (2) Remove the **[CN003]** and **[CN00B]** connector on the REGULATOR PWB.
 - (3) Remove the 4 screws **[V]**, then remove the REGULATOR PWB.

3.2.9 REMOVING THE SYSTEM POWER PWB

- Remove the TOP COVER.
 - (1) Remove the **[CN00G]** / **[CN00K]** connector on the ANALOG SIGNAL PWB.
 - (2) Remove the **[CN00B]** connector on the REGULATOR PWB.
 - (3) Remove the **[CN00Q]** / **[CN0PW]** connector on the SYSTEM POWER PWB.
 - (4) Remove the 7 screws **[W]**, then remove the SYSTEM POWER PWB.

3.2.10 REMOVING THE ANALOG SIGNAL PWB

- Remove the TOP COVER.
- Remove the REAR COVER.
- Remove the RECEIVER PWB.
 - (1) Remove the **[CN001]** / **[CN002]** / **[CN00D]** / **[CN00F]** / **[CN00G]** / **[CN00K]** / **[CNJ0J1]** / **[CNJ0J2]** connector on the ANALOG SIGNAL PWB.
 - (2) Remove the 2 screws **[X]**, then remove the ANALOG SIGNAL PWB.

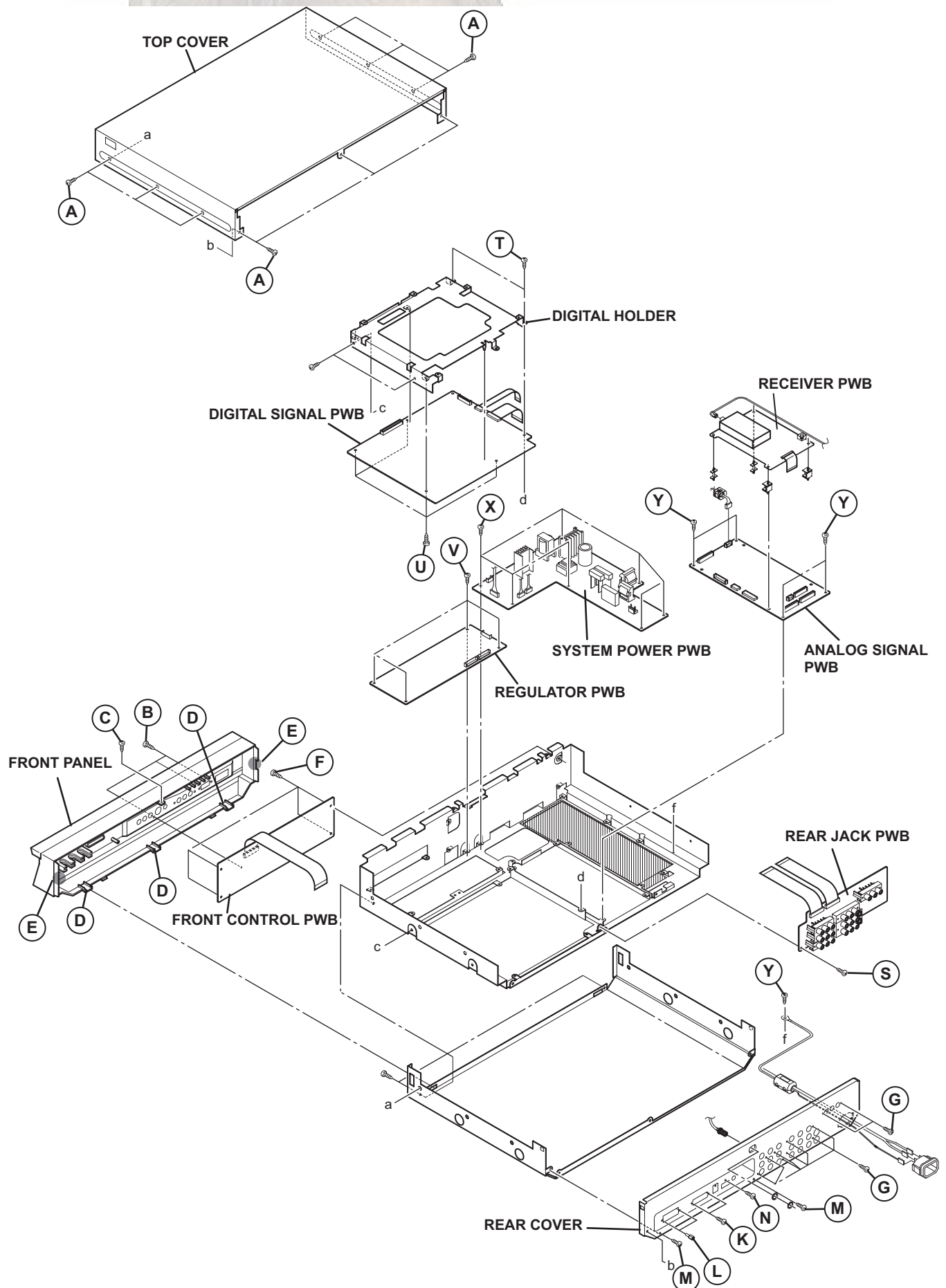


Fig.9

3.3 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.

3.3.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

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

2. Replace the memory IC

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

3. Power on

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

4. 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.1). Refer to the SERVICE ADJUSTMENT for setting.

3.3.2 SERVICE MODE SETTING

■SERVICE MODE SCREEN

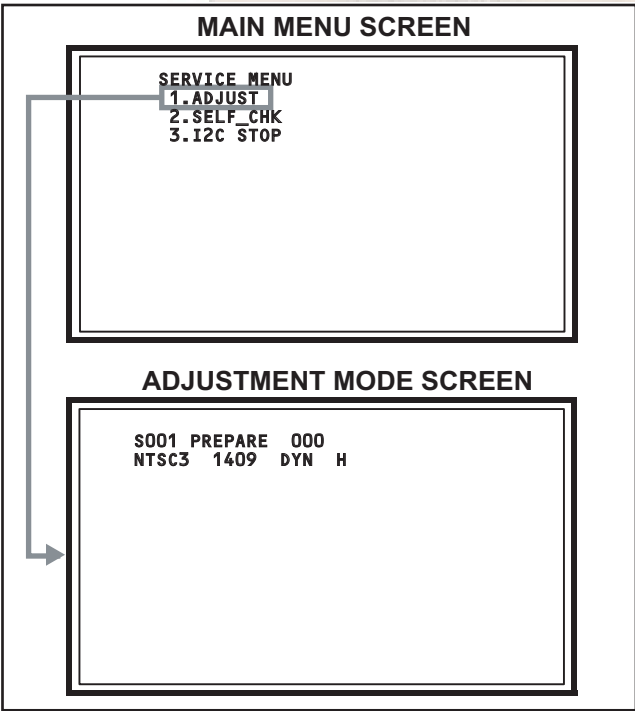


Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001- S039
Audio system setting	Fixed	T001 - T010
Panel control system setting	Fixed	P001 - P010
Drive system setting	Fixed	D001 - D187
Main CPU system setting	Fixed	Z001 - Z010

3.3.3 SETTINGS OF FACTORY SHIPMENT

3.3.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10
INPUT	TV

3.3.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
INPUT	TV
CHANNEL	CABLE-02
VOLUME	10
MUTING	OFF
DISPLAY	OFF
ASPECT	NTSC PANORAMA
	HD FULL
SLEEP TIMER	OFF
THEATER PRO	OFF
VIDEO STATUS	DYNAMIC
TWIN SOURCE	LEFT SIDE CABLE-02
	RIGHT SIDE VIDEO-1
SOUND EFFECT	A.H.S OFF
	BBE ON
	SMART SOUND OFF
	A.H.B. OFF

3.3.3.3 REMOTE CONTROL MENU OPERATION

1. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

< NTSC MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	+05	00	-05	00
BRIGHT	00	00	00	00
COLOR	00	00	-03	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
NATURAL CINEMA	AUTO	AUTO	AUTO	AUTO
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON

< HD MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	+05	00	-05	00
BRIGHT	00	00	00	00
COLOR	00	00	-03	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	LOW
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
NATURAL CINEMA	AUTO	AUTO	AUTO	AUTO
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON

2. SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00
STEREO / I+II	Stereo sound

3. CLOCK / TIMERS

Setting item	Setting position
ON / OFF TIMER	OFF

4. INITIAL SETUP

Setting item	Setting position
TV SPEAKER	ON
AUDIO OUT	FIX
DIGITAL-IN	SIZE 1
DIGITAL-IN AUDIO	DIGITAL
CENTER CH INPUT	OFF
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF
VIDEO INPUT LABEL	All blank
POSITION ADJUSTMENT	Center
POWER INDICATOR	HIGH
IMAGE SHIFT	STD
LANGUAGE	ENG.
CLOSED CAPTION	OFF
AUTO SHUT OFF	OFF
XDS ID	ON
V-CHIP	OFF
AUTO DEMO	OFF

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 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.

3.4.2 SOLDERING IRON

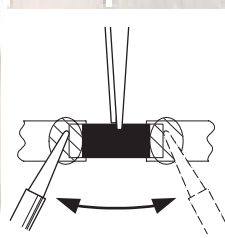
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

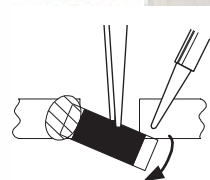
1. How to remove Chip parts

[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.

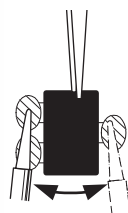


[Transistors, diodes, variable resistors, etc.]

- (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.



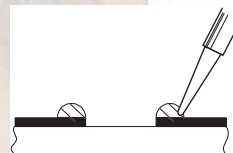
NOTE :

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

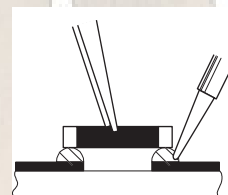
2. How to install Chip parts

[Resistors, capacitors, etc.]

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

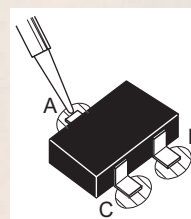


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

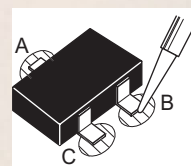


[Transistors, diodes, variable resistors, etc.]

- (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
VIDEO STATUS	STANDARD
Picture adjustments	00
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
COLOR MANAGEMENT	ON
DYNAMIC GAMMA	ON
NATURAL CINEMA	AUTO
Sound adjustments	00
BBE	OFF
A.H.S	OFF
ASPECT	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)
[NTSC / 525i / 525p / 750p / 1125i / DIGITAL]
- TV audio multiplex signal generator
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ POWER CIRCUIT

- PDP POWER VOLTAGE adjustment

■ VIDEO CIRCUIT

- 525i A-D OFFSET adjustment
- 1125i BRIGHTNESS adjustment
- 1125i A-D OFFSET adjustment
- SUB SCREEN A-D OFFSET adjustment
- WHITE BALANCE (HIGHLIGHT) adjustment

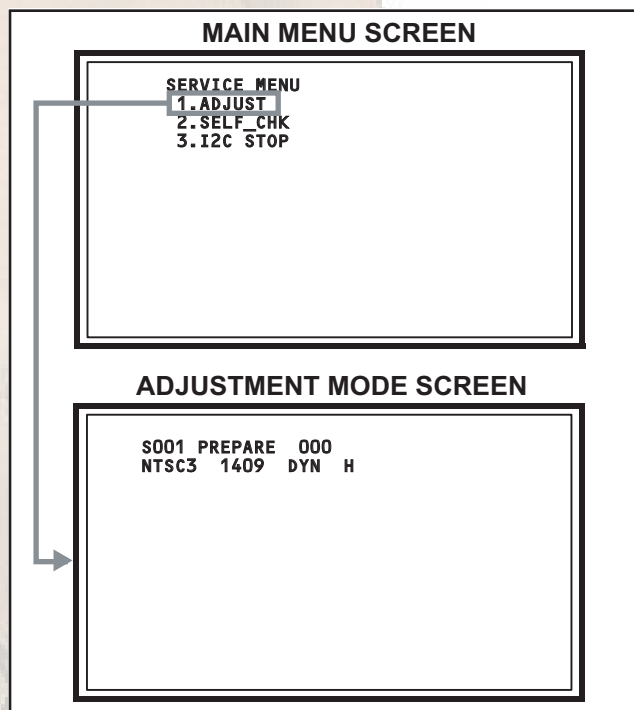
4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

- (1) Set to 0 minutes using the [SLEEP TIMER] key.
- (2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.
- (3) When the MAIN MENU SCREEN is displayed, press [1] key to enter the adjustment mode.

NOTE:

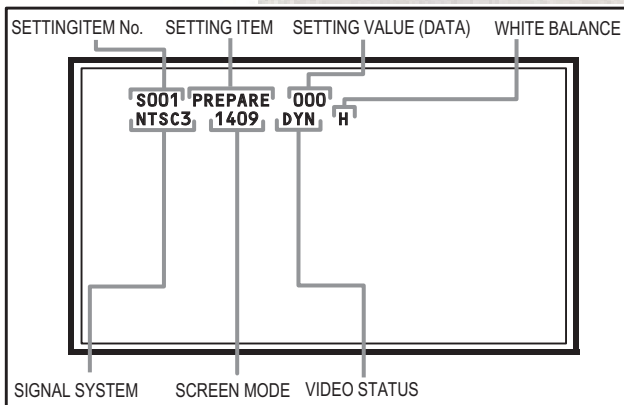
- Before entering the SERVICE MODE, confirm that the setting of TV / CATV switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD switch is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the [1] to [3] key is pressed in the MAIN MENU SCREEN, the other relevant screen may be displayed.
This is not used in the adjustment procedure. Press the [MENU] key to return to the MAIN MENU SCREEN.



4.5.2 HOW TO EXIT THE SERVICE MODE

Press the [BACK] key to exit the Service mode.

4.5.3 DESCRIPTION OF STATUS DISPLAY



(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

NTSC3	: 525i (Composite / S-video input)
525I	: 525i (Component input)
525P	: 525p
1125I6	: 1125i
750P	: 750p
H525I	: HDMI 525i
H525P	: HDMI 525p
H125I6	: HDMI 1125i
H750P	: HDMI 750p

(2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

1409	: FULL
1609	: PANORAMA, HD PANORAMA
1609S	: CINEMA, CINEMA ZOOM
FULL	: REGULAR

MULTI SCREEN

M12	: FREEZE screen
FRZ	: TWIN screen
STD	: INDEX screen

(3) VIDEO STATUS

STD	: STANDARD
DYN	: DYNAMIC
TH	: THEATER
GAME	: GAME

(4) WHITE BALANCE

H	: HIGH
M	: LOW

(5) SETTING ITEM NAME

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

Item No.	Setting item
S001 - S039	Video system setting
T001 - T010	Audio system setting
P001 - P010	Panel control system setting
D001 - D187	Drive system setting
Z001 - Z010	Main CPU system setting

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.5.4 CHANGE AND MEMORY OF SETTING VALUE

SELECTION OF SETTING ITEM

- [CHANNEL (+/-)] key.

For scrolling up / down the setting items.

S001... ↔ T001... ↔ P001... ↔ D001... ↔ Z001...

- [SLEEP TIMER] key.

For switching to next items.

S001 → T001 → P001 → D001 → Z001

CHANGE OF SETTING VALUE (DATA)

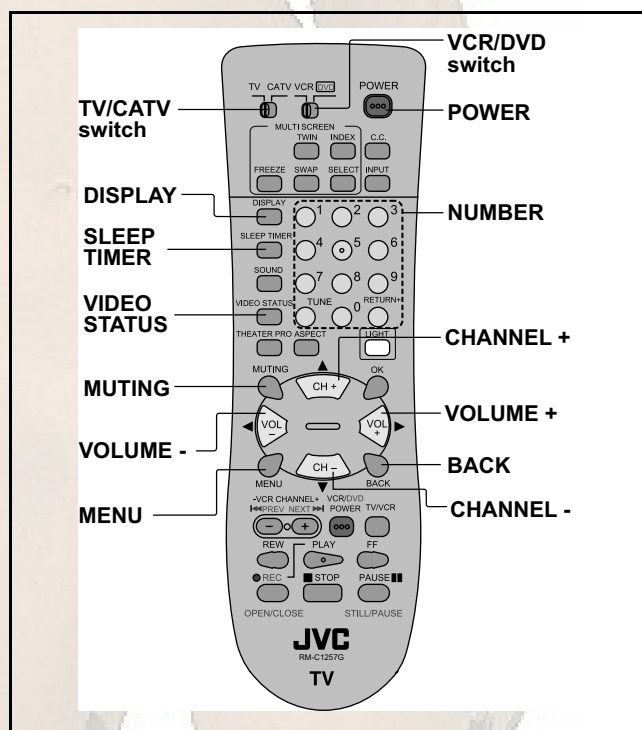
- [VOLUME (+/-)] key.

For scrolling up / down the setting values.

MEMORY OF SETTING VALUE (DATA)

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

4.5.5 SERVICE MODE SELECT KEY LOCATION



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	PREPARE	000 - 031	000
S002	NTSC BL	000 - 015	000
S003	NTSC CNT	000 - 255	033
S004	NT CR OF	000 - 015	006
S005	NT CB OF	000 - 015	006
S006	525i BL	000 - 015	000
S007	525i CNT	000 - 255	033
S008	5i CB OF	000 - 015	000
S009	5i CR OF	000 - 015	000
S010	5i CR GN	000 - 015	006
S011	5i CB GN	000 - 015	006
S012	HD BL	000 - 063	054
S013	HD CB OF	000 - 063	055
S014	HD CR OF	000 - 063	056
S015	RT CONT	000 - 015	007
S016	RT CB OF	000 - 015	004
S017	RT CR OF	000 - 015	006
S018	RT CL GA	000 - 015	004
S019	PC CL MB	000 - 007	000
S020	PC CL LB	000 - 031	000
S021	PC CL MR	000 - 007	000
S022	PC CL LR	000 - 031	000
S023	(Not display)	000 - 255	000
S024	(Not display)	000 - 255	000
S025	(Not display)	000 - 255	000
S026	(Not display)	000 - 255	000
S027	(Not display)	000 - 255	000
S028	(Not display)	000 - 255	000
S029	(Not display)	000 - 255	000
S030	R DRIVE	000 - 255	128
S031	G DRIVE	000 - 255	133
S032	B DRIVE	000 - 255	131
S033	(Not display)	000 - 255	000
S034	(Not display)	000 - 255	000
S035	(Not display)	000 - 255	000
S036	(Not display)	000 - 255	000
S037	(Not display)	000 - 255	000
S038	(Not display)	000 - 255	000
S039	ILA COM	000 - 001	000

4.6.2 AUDIO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
T001	IN LEVEL	000 - 255	000
T002	LOW SEP	000 - 255	000
T003	HIGH SEP	000 - 255	000
T004	AFC	000 - 255	000
T005	(Not display)	000 - 255	000
T006	ATT V ON	000 - 001	000
T007	ATT U ON	000 - 001	000
T008	ATT C ON	000 - 001	000
T009	(Not display)	000 - 255	000
T010	(Not display)	000 - 255	000

4.6.3 PANEL CONTROL SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
P001	TM HOR H	00 - FF	00
P002	TM HOR L	00 - FF	04
P003	TM MIN	00 - FF	35
P004	TEMP	000 - 255	000
P005	(Not display)	000 - 255	000
P006	(Not display)	000 - 255	000
P007	(Not display)	000 - 255	000
P008	(Not display)	000 - 255	000
P009	(Not display)	000 - 255	000
P010	(Not display)	000 - 255	000

4.6.4 DRIVE SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
D001	SLV GN	00 - 3F	20
D002	SLVH GN	00 - 3F	20
D003	SLH GN	00 - 3F	20
D004	SLV Pf	00 - 03	01
D005	SLH Pf H	00 - 01	01
D006	SLH Pf L	00 - 03	01
D007	SL EGCON	00 - 3F	08
D008	SL EGONF	00 - 01	01
D009	SL CRGON	00 - 3F	05
D010	SL CRGON	00 - 01	01
D011	SL ON OF	00 - 01	01
D012	SV GN	00 - 3F	18
D013	SVH GN	00 - 3F	25
D014	SH GN	00 - 3F	01
D015	SV Pf	00 - 03	01
D016	SV PfH	00 - 01	01
D017	SV PfL	00 - 03	02
D018	SYL CON	00 - 3F	20
D019	SYL CONF	00 - 01	01

Item No.	Item	Variable range	Setting value
D020	SYH CON	00 - 3F	18
D021	SYH CONF	00 - 01	01
D022	SC CON	00 - 3F	25
D023	SC CNONF	00 - 01	01
D024	SPM BLC	00 - 3F	08
D025	SPM BLCO	00 - 01	01
D026	SLIM	00 - 3F	25
D027	SLIMONF	00 - 01	01
D028	SCRG	00 - 3F	06
D029	SRGONF	00 - 01	01
D030	S ONF	00 - 01	01
D031	pb GN	00 - 3F	15
D032	pb PfH	00 - 01	00
D033	pb PfL	00 - 03	03
D034	pb CRG	00 - 3F	04
D035	pb CRGON	00 - 01	01
D036	pb ONF	00 - 01	01
D037	pr GN	00 - 3F	15
D038	pr PfH	00 - 01	00
D039	pr PfL	00 - 03	03
D040	pr CRG	00 - 3F	04
D041	pr CRGON	00 - 01	00
D042	pr ONF	00 - 01	01
D043	ENH ONF	00 - 01	01
D044	(Not display)	00 - FF	00
D045	(Not display)	00 - FF	00
D046	(Not display)	00 - FF	00
D047	(Not display)	00 - FF	00
D048	(Not display)	00 - FF	00
D049	(Not display)	00 - FF	00
D050	(Not display)	00 - FF	00
D051	(Not display)	00 - FF	00
D052	(Not display)	00 - FF	00
D053	(Not display)	00 - FF	00
D054	(Not display)	00 - FF	00
D055	(Not display)	00 - FF	00
D056	(Not display)	00 - FF	00
D057	(Not display)	00 - FF	00
D058	(Not display)	00 - FF	00
D059	(Not display)	00 - FF	00
D060	(Not display)	00 - FF	00
D061	(Not display)	00 - FF	00
D062	(Not display)	00 - FF	00
D063	(Not display)	00 - FF	00
D064	(Not display)	00 - FF	00
D065	(Not display)	00 - FF	00
D066	(Not display)	00 - FF	00
D067	(Not display)	00 - FF	00
D068	(Not display)	00 - FF	00
D069	(Not display)	00 - FF	00

Item No.	Item	Variable range	Setting value
D070	(Not display)	00 - FF	00
D071	(Not display)	00 - FF	00
D072	(Not display)	00 - FF	00
D073	(Not display)	00 - FF	00
D074	(Not display)	00 - FF	00
D075	(Not display)	00 - FF	00
D076	(Not display)	00 - FF	00
D077	(Not display)	00 - FF	00
D078	(Not display)	00 - FF	00
D079	(Not display)	00 - FF	00
D080	(Not display)	00 - FF	00
D081	(Not display)	00 - FF	00
D082	(Not display)	00 - FF	00
D083	(Not display)	00 - FF	00
D084	(Not display)	00 - FF	00
D085	(Not display)	00 - FF	00
D086	(Not display)	00 - FF	00
D087	(Not display)	00 - FF	00
D088	(Not display)	00 - FF	00
D089	(Not display)	00 - FF	00
D090	(Not display)	00 - FF	00
D091	(Not display)	00 - FF	00
D092	(Not display)	00 - FF	00
D093	(Not display)	00 - FF	00
D094	(Not display)	00 - FF	00
D095	(Not display)	00 - FF	00
D096	(Not display)	00 - FF	00
D097	(Not display)	00 - FF	00
D098	(Not display)	00 - FF	00
D099	(Not display)	00 - FF	00
D100	(Not display)	00 - FF	00
D101	(Not display)	00 - FF	00
D102	(Not display)	00 - FF	00
D103	(Not display)	00 - FF	00
D104	(Not display)	00 - FF	00
D105	(Not display)	00 - FF	00
D106	(Not display)	00 - FF	00
D107	(Not display)	00 - FF	00
D108	(Not display)	00 - FF	00
D109	(Not display)	00 - FF	00
D110	(Not display)	00 - FF	00
D111	(Not display)	00 - FF	00
D112	(Not display)	00 - FF	00
D113	(Not display)	00 - FF	00
D114	(Not display)	00 - FF	00
D115	(Not display)	00 - FF	00
D116	(Not display)	00 - FF	00
D117	(Not display)	00 - FF	00
D118	(Not display)	00 - FF	00
D119	(Not display)	00 - FF	00

Item No.	Item	Variable range	Setting value
D120	(Not display)	00 - FF	00
D121	(Not display)	00 - FF	00
D122	(Not display)	00 - FF	00
D123	(Not display)	00 - FF	00
D124	(Not display)	00 - FF	00
D125	(Not display)	00 - FF	00
D126	(Not display)	00 - FF	00
D127	(Not display)	00 - FF	00
D128	(Not display)	00 - FF	00
D129	(Not display)	00 - FF	00
D130	(Not display)	00 - FF	00
D131	(Not display)	00 - FF	00
D132	(Not display)	00 - FF	00
D133	(Not display)	00 - FF	00
D134	(Not display)	00 - FF	00
D135	(Not display)	00 - FF	00
D136	(Not display)	00 - FF	00
D137	(Not display)	00 - FF	00
D138	(Not display)	00 - FF	00
D139	(Not display)	00 - FF	00
D140	(Not display)	00 - FF	00
D141	(Not display)	00 - FF	00
D142	(Not display)	00 - FF	00
D143	(Not display)	00 - FF	00
D144	(Not display)	00 - FF	00
D145	(Not display)	00 - FF	00
D146	(Not display)	00 - FF	00
D147	(Not display)	00 - FF	00
D148	(Not display)	00 - FF	00
D149	(Not display)	00 - FF	00
D150	(Not display)	00 - FF	00
D151	(Not display)	00 - FF	00
D152	(Not display)	00 - FF	00
D153	(Not display)	00 - FF	00
D154	(Not display)	00 - FF	00
D155	(Not display)	00 - FF	00
D156	(Not display)	00 - FF	00
D157	(Not display)	00 - FF	00
D158	(Not display)	00 - FF	00
D159	(Not display)	00 - FF	00
D160	(Not display)	00 - FF	00
D161	(Not display)	00 - FF	00
D162	(Not display)	00 - FF	00
D163	(Not display)	00 - FF	00
D164	(Not display)	00 - FF	00
D165	(Not display)	00 - FF	00
D166	(Not display)	00 - FF	00
D167	(Not display)	00 - FF	00
D168	(Not display)	00 - FF	00
D169	(Not display)	00 - FF	00

Item No.	Item	Variable range	Setting value
D170	(Not display)	00 - FF	00
D171	(Not display)	00 - FF	00
D172	(Not display)	00 - FF	00
D173	(Not display)	00 - FF	00
D174	(Not display)	00 - FF	00
D175	(Not display)	00 - FF	00
D176	(Not display)	00 - FF	00
D177	(Not display)	00 - FF	00
D178	(Not display)	00 - FF	00
D179	(Not display)	00 - FF	00
D180	(Not display)	00 - FF	00
D181	(Not display)	00 - FF	00
D182	(Not display)	00 - FF	00
D183	(Not display)	00 - FF	00
D184	(Not display)	00 - FF	00
D185	(Not display)	00 - FF	00
D186	(Not display)	00 - FF	00
D187	(Not display)	00 - FF	00

4.6.5 MAIN CPU SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
Z001	(Not display)	00 - FF	00
Z002	(Not display)	00 - FF	00
Z003	(Not display)	00 - FF	00
Z004	(Not display)	00 - FF	00
Z005	(Not display)	00 - FF	00
Z006	(Not display)	00 - FF	00
Z007	(Not display)	00 - FF	00
Z008	(Not display)	00 - FF	00
Z009	(Not display)	00 - FF	00
Z010	(Not display)	00 - FF	00

4.7 ADJUSTMENT PROCEDURE

4.7.1 POWER CIRCUIT [DISPLAY UNIT]

Item	Measuring instrument	Test point	Adjustment part	Description
PDP POWER VOLTAGE	Signal generator DC voltmeter	Connector CN806 Vs Va [MAIN POWER UNIT]	Vs VR:190V ADJ (R551) Va VR:60V ADJ (R351) [MAIN POWER UNIT]	CAUTION: - During adjustment operation of PDP POWER VOLTAGE, don't touch the heat sink of the MAIN POWER UNIT. If you touch it, electric shock may be caused. < When MAIN POWER UNIT is not replaced > - Connect the DC voltmeter to the CN806 connector and turn on the power. (See Fig.2) - Adjust Vs (190V ADJ) VR and Va (60V ADJ) VR so that the Vs and Va voltage coincides with the values in the voltage label. - Input a NTSC all-black signal and check that it coincides with the values in the voltage label. - Readjust if the adjusted value is different from those in the voltage label. NOTE: - Designed value for the panel is printed on a label on the upper-left at the back of the PDP. (See Fig.3) < When MAIN POWER UNIT is replaced > CAUTION: - Before making adjustments, be sure not to turn on the power when the CN8005 and CN8006 connectors are connected, as this may cause the PDP to break down. - Disconnect the CN8005 and CN8006 connectors on the MAIN POWER UNIT. - Connect DC voltmeter to the CN806 connector and turn on the power. (See Fig.2) - Adjust Vs (190V ADJ) VR and Va (70V ADJ) VR so that the Vs and Va voltage coincides with the values in the voltage label. - Turn off the power, and connect the CN8005 and CN8006 connectors and turn on the power again. - Input a NTSC all-black signal and check that it coincides with the values in the voltage label. - If the adjusted value is different from those in the voltage label, fine-tune without unplugging the connectors. CAUTION: - Designated power supply voltage of the panel (Vs, Va) varies according to the PDP unit. - Pay careful attention during adjustment, as any error in procedure may cause the PDP to break down.

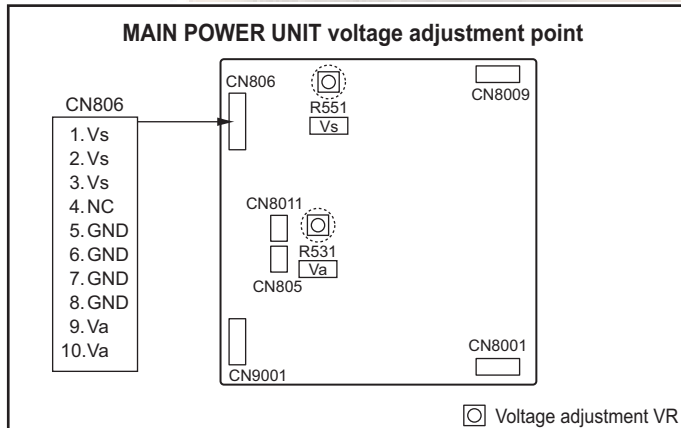


Fig.1

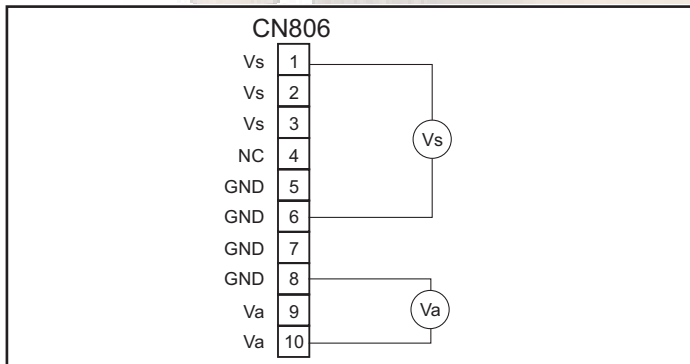


Fig.2

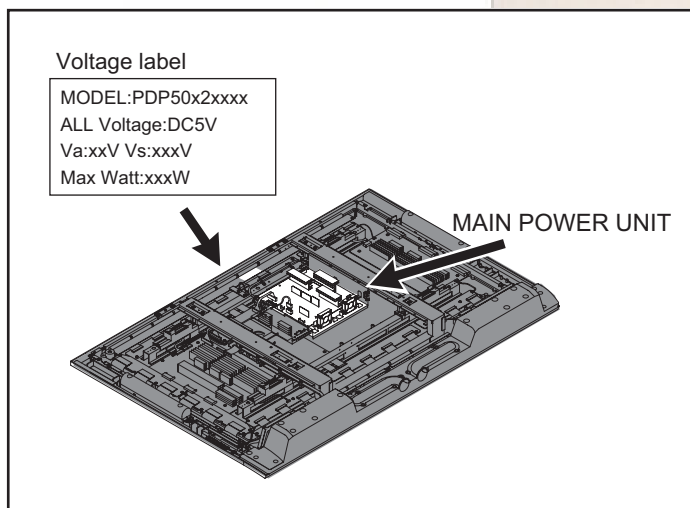
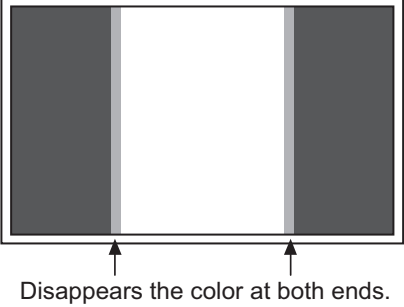
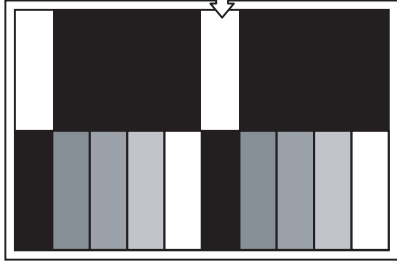
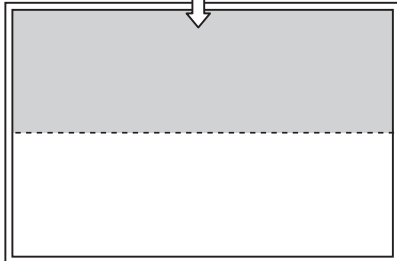


Fig.3

4.7.2 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
525i A-D OFFSET	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S008: 5i CB OF(525i cb offset) S009: 5i CR OF(525i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 525i component ramp pattern signal. (2) Set "VIDEO STATUS" to STANDARD. (3) Set "ASPECT" to FULL. (4) St "COLOR TEMPERATURE" to LOW. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133". (7) Set < S001 >(adjustment setting mode change) to set "008" and it change to the 525i A-D offset adjustment setting mode. (8) Adjust < S008 > (525i Cb offset) and < S009 > (525i Cr offset) to lose the gap (red line, green line and blue line) which appears at both ends of a white part at the center of the screen. (9) Set < S001 > to set "000" and it change to the normal mode. (10) Press the [MUTING] key to memoirze the set value.
				
1125i BRIGHTNESS	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S012: HD BL(1125i brightness) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 1125i gray scale pattern signal . (2) Set "VIDEO STATUS" to STANDARD. (3) Set "ASPECT" to FULL. (4) Set "COLOR TEMPERATURE" to LOW. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133". (7) Set < S001 > (adjustment setting mode change) to set the values "012" and it change to the 1125i black level adjustment setting mode. (8) Adjust < S012 > (1125i brightness) to set the 0% black part in the upper half of the screen to be brightest. (9) Set < S001 > to set "000" and it change to the normal mode. (10) Press the [MUTING] key to memoirze the set value.
				
1125i A-D OFFSET	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S013: HD CB OF(1125i cb offset) S014: HD CR OF(1125i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 1125i 30% all white pattern signal. (2) Set "VIDEO STATUS" to STANDARD. (3) Set "ASPECT" to FULL. (4) Set "COLOR TEMPERATURE" to LOW. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133". (7) Set < S001 > (adjustment setting mode change) to set "013" and it change to the 1125i A-D offset adjustment setting mode. (8) Adjust < S013 > (1125i Cb offset) to minimize the blue noise in the upper half of the screen. (9) Adjust < S014 > (1125i Cr offset) to minimize the red noise in the upper half of the screen. (10) Set < S001 > to set "000" and it change to the normal mode. (11) Press the [MUTING] key to memoirze the set value.
				

Item	Measuring instrument	Test point	Adjustment part	Description
SUB SCREEN A-D OFFSET	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	(1) Set "VIDEO STATUS" to STANDARD. (2) Set "ASPECT" to FULL. (3) Set "COLOR TEMPERATURE" to LOW. (4) Set "MULTI SCREEN" to TWIN. (5) Receive a NTSC 30% all white pattern signal on the Right screen. At the same time, set the Left screen in VIDEO-1 mode (No signal). (6) Select "1.ADJUST" from the SERVICE MODE. (7) Set < S030 > (R DRIVE), < S031 > (G DRIVE) and < S032 > (B DRIVE) to "133". (8) Set < S001 > (adjustment setting mode change) to set "017" and it change to the sub screen A-D offset adjustment setting mode. (9) Adjust < S016 > (Sub screen cb offset) to minimize the blue noise in the upper half of the screen. If you select an adjustment item < S016 >, then the screen automatically turn to twin pictures mode. (10) Adjust < S017 > (Sub screen cr offset) to minimize the red noise in the upper half of the screen. (11) Readjust < S016 > and < S017 > to set the upper half of the screen to be the blackest. (See Fig.9) (12) Set < S001 > to set "000" and it change to the normal mode. (13) Press the [MUTING] key to memoirize the set value.
	Signal generator		S016: RT CB OF (Sub screen cb offset) S017: RT CR OF (Sub screen cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
Set the 0% block part to be brightest.				
WHITE BALANCE (HIGHLIGHT)	Remote control unit		[1.ADJUST] S030: R DRIVE (Red drive) S031: G DRIVE (Green drive) S032: B DRIVE (Blue drive)	(1) Receive a NTSC 75% all white signal. (2) Set "VIDEO STATUS" to STANDARD. (3) Set "ASPECT" to FULL. (4) Select "COLOR TEMPERATURE" to LOW. (5) Select "1.ADJUST" from the SERVICE MODE. (6) Adjust to keep one of < S030 > (Red drive), < S031 > (Green drive) or < S032 > (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. NOTE: Set one or more of < S030 >, < S031 >, and < S032 > to "133". (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 memoirize 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 entering the Self check Display mode, confirm that the setting of TV / CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD SW is at the "VCR" side. If the switches have not been properly set, you cannot enter the Self check Display mode.

- (1) Set to 0 minutes using the [SLEEP TIMER] key.
 - (2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the service mode.
 - (3) Press the [2] key (SELF_CHK) before the service mode screen disappears.
 - (4) Press the [SLEEP TIMER] key to enter Page 2 of the SELF CHECK MODE.
- When the [RETURN +] key pressed, the first page change screen.

NOTE:

When a number key other than the [1] to [3] 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 MENU.

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.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

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 displayed and counted as "NG".

- (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.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis results.

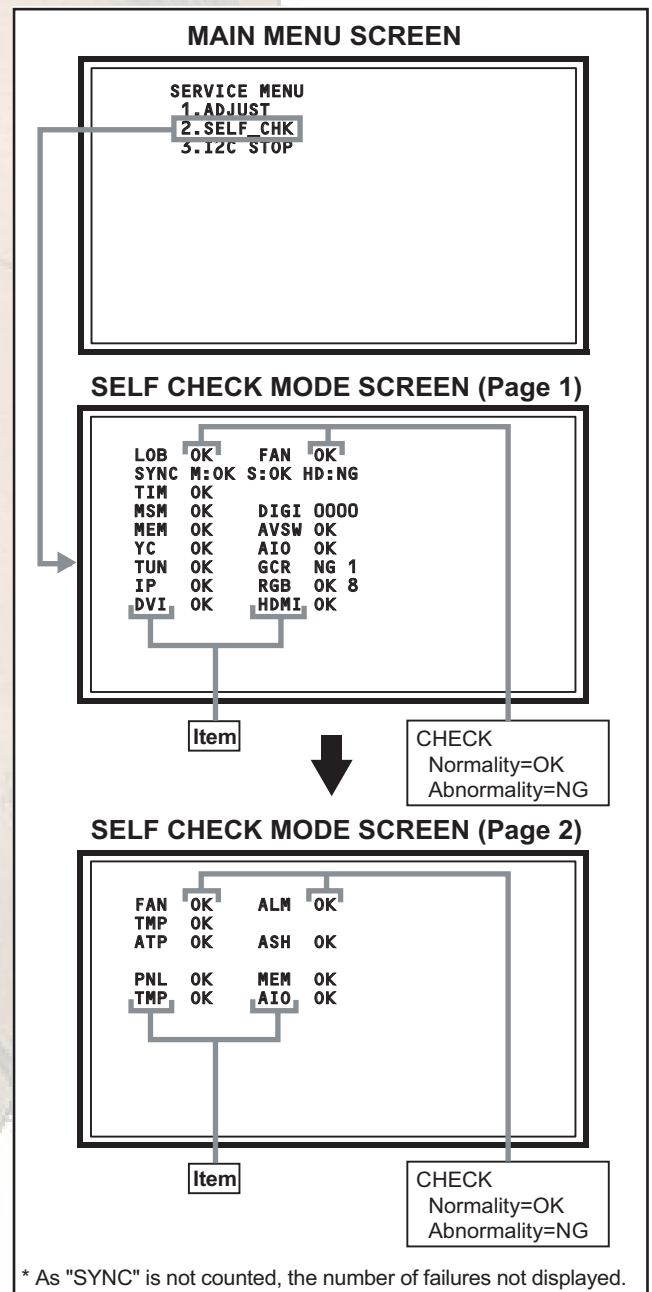


Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen (RECEIVER UNIT) >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirm the operation of the low bias (2.5V / 3.3V / 5V / 9V) protection circuit. Q9822 [REGULATOR PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 400ms the power is turned off.
Fan lock	FAN	Not used.	---	---
Presence of sync signal	SYNC	Confirmation of presence of video sync signal. M : Main sync signal S : Sub sync signal HD : Component sync signal IC201 [ANALOG SIGNAL PWB]	SDA	Confirmation of presence of sync signal in video signal.
AC power input	TIM	Not used.	---	---
Main CPU communication	MSM	Confirmation of ACK (response) signal which uses sync communications with Chassis CPU. IC7601 [DIGITAL SIGNAL PWB]	WAKE	If it checks whenever sync communication with SHM performed and no reply of ACK signal an error will be counted.
Digital tuner	DIGI	Not used.	---	---
Main memory	MEM	Confirmation of reply of ACK signal which uses I ² C communication. IC7602 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
AV select switch	AVSW	Same as above. IC301, IC501 [ANALOG SIGNAL PWB]	SDA	Same as above.
3 dimensions YC separator	YC	Same as above. IC1001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
Multi sound process	AIO	Same as above. IC3101 [RECEIVER PWB]	SDA	Same as above.
RF tuner	TUN	Same as above. TU3001 [RECEIVER PWB]	SDA	Same as above.
Ghost reduction	GCR	Not used.	---	---
DIST process	IP	Confirmation of reply of ACK signal which uses I ² C communication. IC3001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
RGB process	RGB	Same as above. IC4001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
DVI (Digital communication)	DVI	Same as above. IC6101 [DIGITAL SIGNAL PWB]	SDA	Same as above.
Digital input	HDMI	Confirmation of reply of ACK signal which uses I ² C communication. IC8001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Fan lock	FAN	Confirm the operation of the cooling fan. IC807 [DISPLAY INTERFACE PWB]	FAN_LOCK	Detection starts 8 seconds after the power is turned on. Detection is performed every 16ms. If errors continues between 300ms, the power is turned off.
Abnormal of operation of PDP (PANEL)	ALM	Confirm the operation of the panel protection. [PDP UNIT]	SDA	Detection starts 8 seconds after the power is turned on. Detection is performed every 16ms. If errors continues between 300ms the power is turned off.
Abnormal rise of temperature in PDP (PANEL)	TMP	It detects whether the temperature in a display unit is normal. IC8101 [TEMP. SENSOR PWB]	SDA	Detection starts 8 seconds after the power is turned on. Detection is performed every 0.5 seconds. If a temperature rises beyond the temperature of 71°C for detection of error over the predetermined 120 times the power is turned off.
Abnormal rise of temperature in AUDIO PWB	ATP	Not used.	---	Not used.
Short circuit detection of AUDIO PWB	ASH	Not used.	---	Not used.
Panel communication	PNL	It confirm whether panel communication is normal. [PDP UNIT]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
Panel memory	MEM	Confirmation of reply of ACK signal which uses I ² C communication. IC805 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
Temp. sensor operation	TMP	Same as above. IC8101 [TEMP. SENSOR PWB]	SDA	Same as above.
Audio control	AIO	Same as above. IC6521 [AUDIO PWB]	SDA	Same as above.

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	Display	POWER LED flash cycle
Low bias line short protection	LOB	Low luminance blue Flash 1.0 second / Low luminance blue Out 1.0 seconds
Abnormal of operation of PDP (PANEL)	ALM	High luminance blue Flash 1.0 second / High luminance blue Out 1.0 seconds
Abnormal rise of temperature in PDP (PANEL)	TMP	High luminance blue Flash 2.0 second / High luminance blue Out 2.0 seconds

< 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

AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YA238)



Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

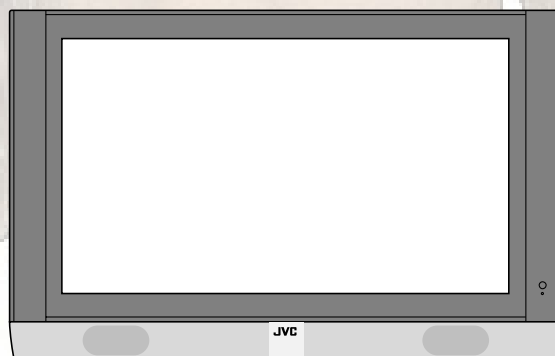
PDP COLOR TELEVISION

PD-50X575/K

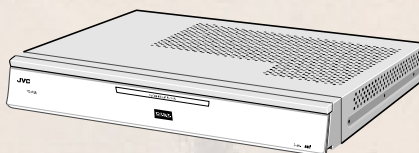
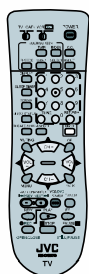
CD-ROM No.SML200503

BASIC CHASSIS

FP2



VM-50X575/K [PLASMA DISPLAY UNIT]



TU-50X575/K [RECEIVER UNIT]

I'ArtTM Palette

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

BBE
HDMITM
HIGH-DEFINITION MULTIMEDIA INTERFACE

PD-50X575/K

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 : R209 $\rightarrow$ 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 : Uninflamable 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]

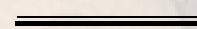
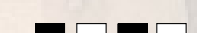
● Type

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

 : B1  : B2 (12V)
 : 9V  : 5V

* Respective voltage values are indicated

(5)Test point

 : Test point  : Only test point display

(6)Connecting method

 : Connector  : Wrapping or soldering
 : Receptacle

(7)Ground symbol

 : LIVE side ground
 : ISOLATED(NEUTRAL) side ground
 : EARTH ground
 : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ($\perp$) 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 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.

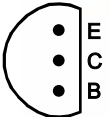
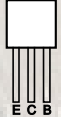
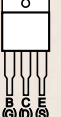
CONTENTS	
SEMICONDUCTOR SHAPES	2-3
WIRING & MAINPARTS LOCATION	2-5
BLOCK DIAGRAM.....	2-7
CIRCUIT DIAGRAMS [RECEIVER UNIT]	2-9
RECEIVER PWB CIRCUIT DIAGRAM	2-9
ANALOG SIGNAL PWB CIRCUIT DIAGRAM	2-11
REAR JACK PWB CIRCUIT DIAGRAM	2-21
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM	2-23
FRONT CONTROL PWB CIRCUIT DIAGRAM	2-45
REGULATOR PWB CIRCUIT DIAGRAM	2-47
SYSTEM POWER PWB CIRCUIT DIAGRAM	2-49
CIRCUIT DIAGRAMS [DISPLAY UNIT]	2-51
DISPLAY INTERFACE PWB CIRCUIT DIAGRAM	2-51
AUDIO PWB CIRCUIT DIAGRAM	2-57
DISPLAY LED PWB CIRCUIT DIAGRAM	2-59
TEMP. SENSOR PWB CIRCUIT DIAGRAM.....	2-60
DISPLAY SWITCH PWB CIRCUIT DIAGRAM	2-60
LINE FILTER PWB CIRCUIT DIAGRAM	2-61
SUB POWER PWB CIRCUIT DIAGRAM	2-63
PATTERN DIAGRAMS [RECEIVER UNIT]	2-65
RECEIVER PWB PATTERN	2-65
ANALOG SIGNAL PWB PATTERN	2-67
DIGITAL SIGNAL PWB PATTERN	2-69
REAR JACK PWB PATTERN	2-73
FRONT CONTROL PWB PATTERN	2-73
REGULATOR PWB PATTERN	2-75
SYSTEM POWER PWB PATTERN	2-77
PATTERN DIAGRAMS [DISPLAY UNIT]	2-79
DISPLAY INTERFACE PWB PATTERN	2-79
AUDIO PWB PATTERN	2-83
TEMP. SENSOR PWB PATTERN	2-84
DISPLAY LED PWB PATTERN	2-84
DISPLAY SWITCH PWB PATTERN	2-84
LINE FILTER PWB PATTERN	2-85
SUB POWER PWB PATTERN	2-86
VOLTAGE CHARTS	2-87
WAVE FORMS	2-90

USING P.W. BOARD

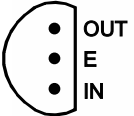
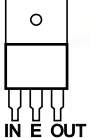
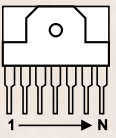
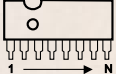
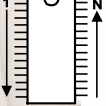
P.W.B ASS'Y name	P.W.B ASS'Y No.
RECEIVER PWB	LCA10523-03B (SFP-0F505A)
ANALOG SIGNAL PWB	LCA10423-09C (SFP-0A201A)
REAR JACK PWB	LCA10444-04C (SFP-0J505A)
DIGITAL SIGNAL PWB	LCA10428-37H (SFP-0D507A)
FRONT CONTROL PWB	LCA10446-05B (SFP-8510A)
REGULATOR PWB	LCA10426-12C (SFP-9520A)
SYSTEM POWER PWB	LCA10443-04A (SFP-9516A)
DISPLAY INTERFACE PWB	LCA10360-08D (SFP-7508A)
AUDIO PWB	LCA90441-02B (SFP-6501A)
TEMP. SENSOR PWB	LCA90146-06B (SFP-8381A)
DISPLAY LED PWB	LCA90175-06B (SFP-0L285A)
DISPLAY SWITCH PWB	LCA90148-06C (SFP-0L385A)
LINE FILTER PWB	LCA90143-12B (SFP-9521A)
SUB POWER PWB	LCA10353-02D (SFP-9505A)

SEMICONDUCTOR SHAPES

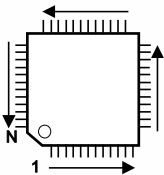
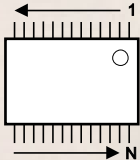
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

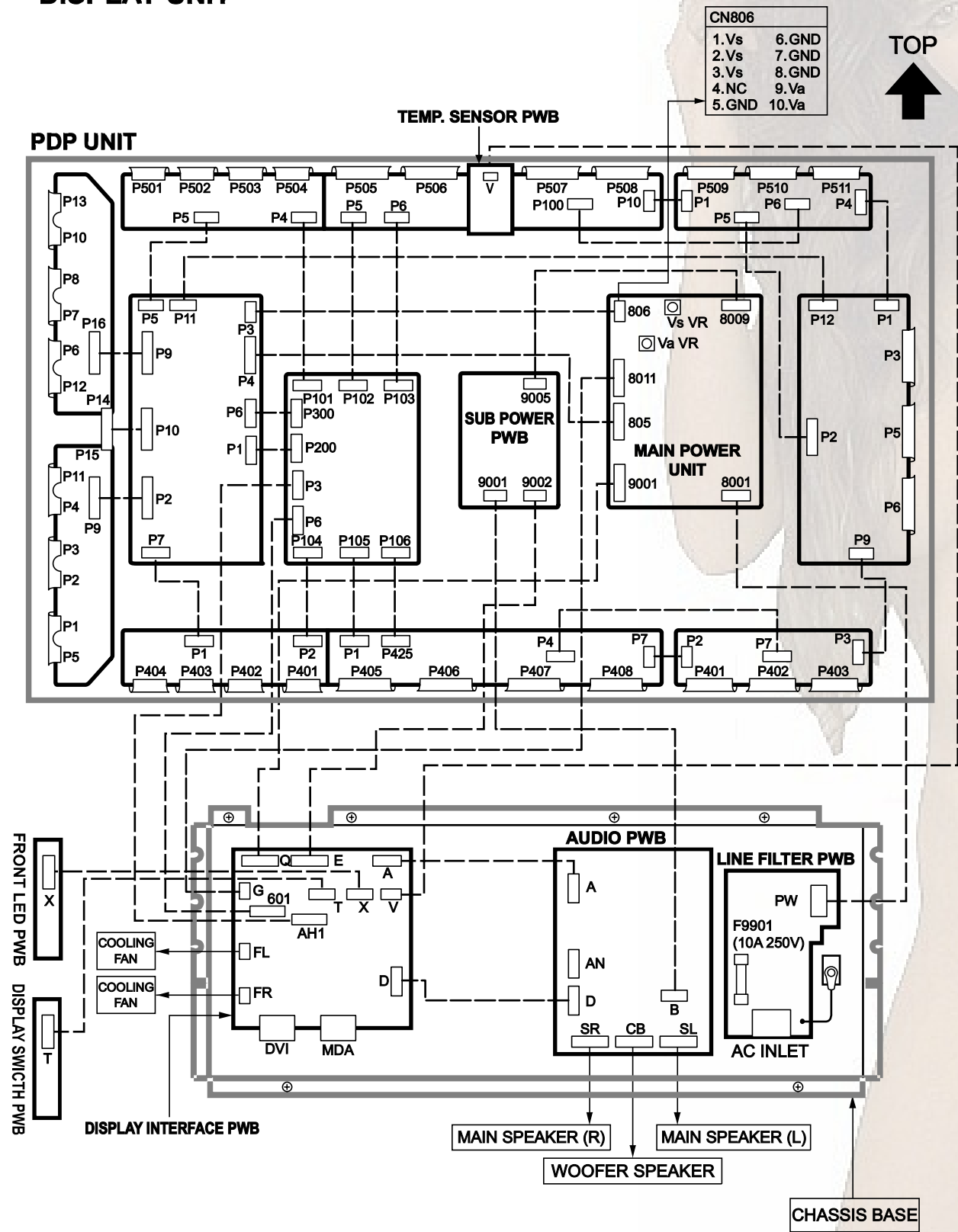
CHIP IC

TOP VIEW	
	

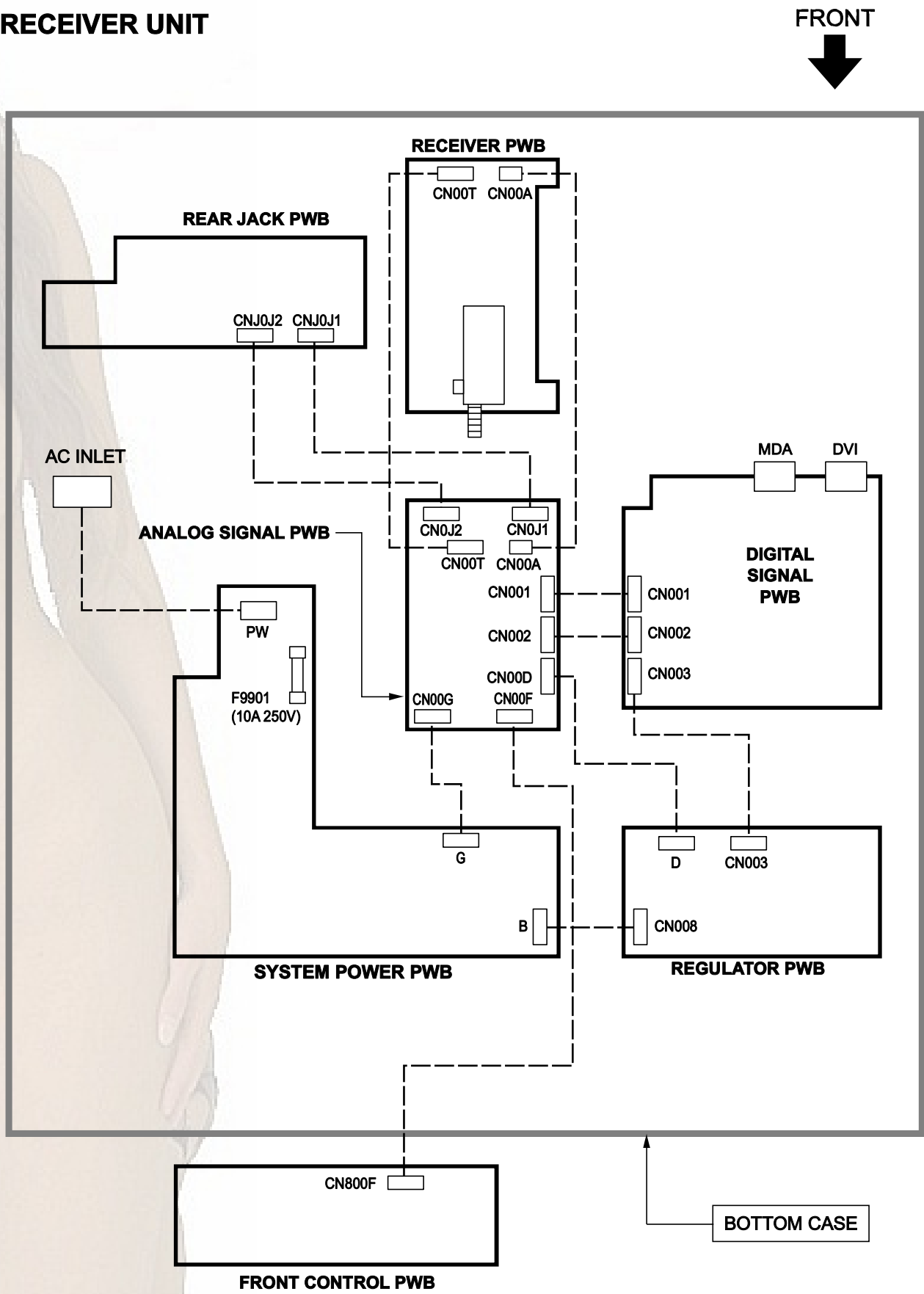


WIRING DIAGRAM

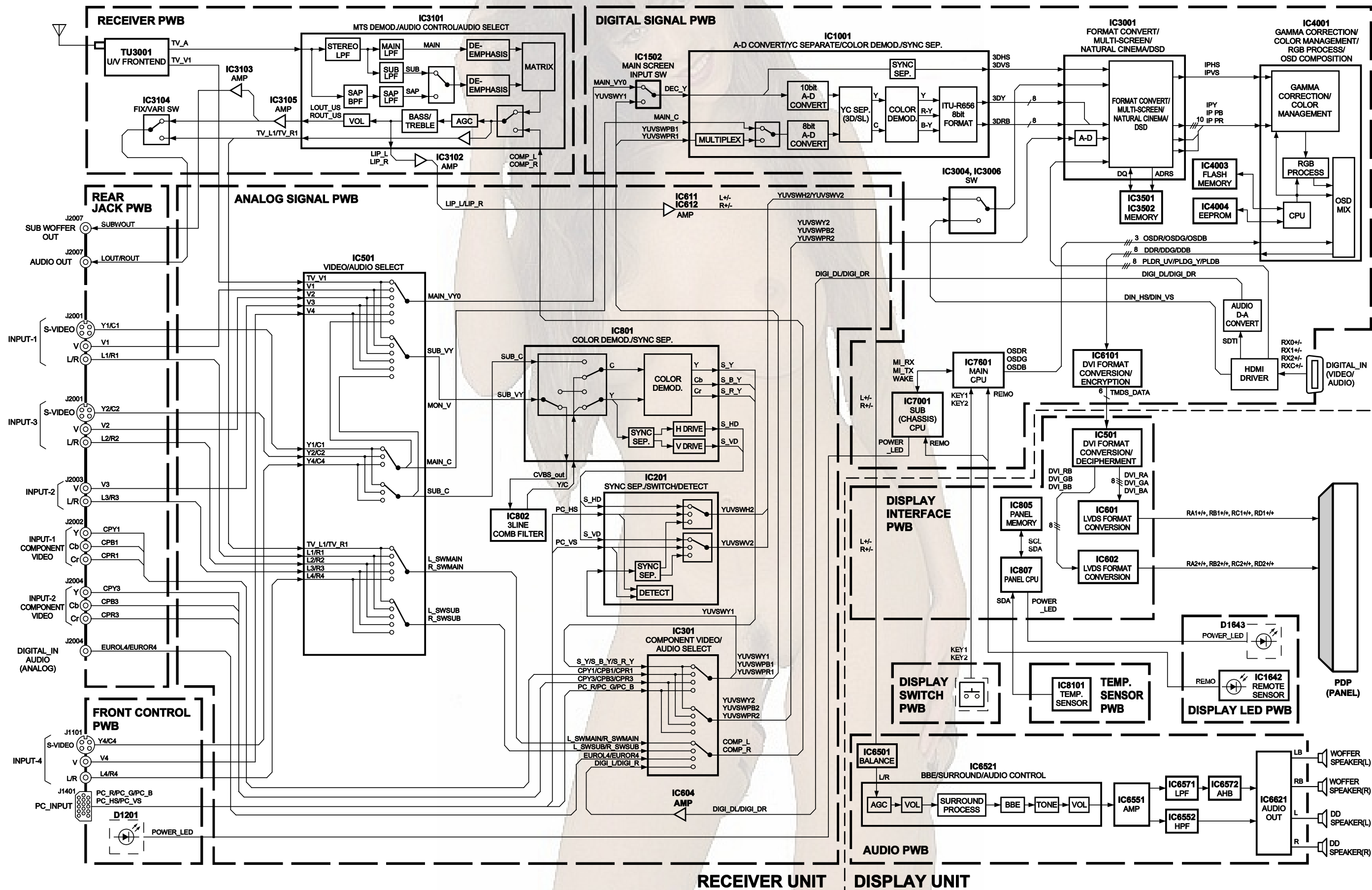
DISPLAY UNIT



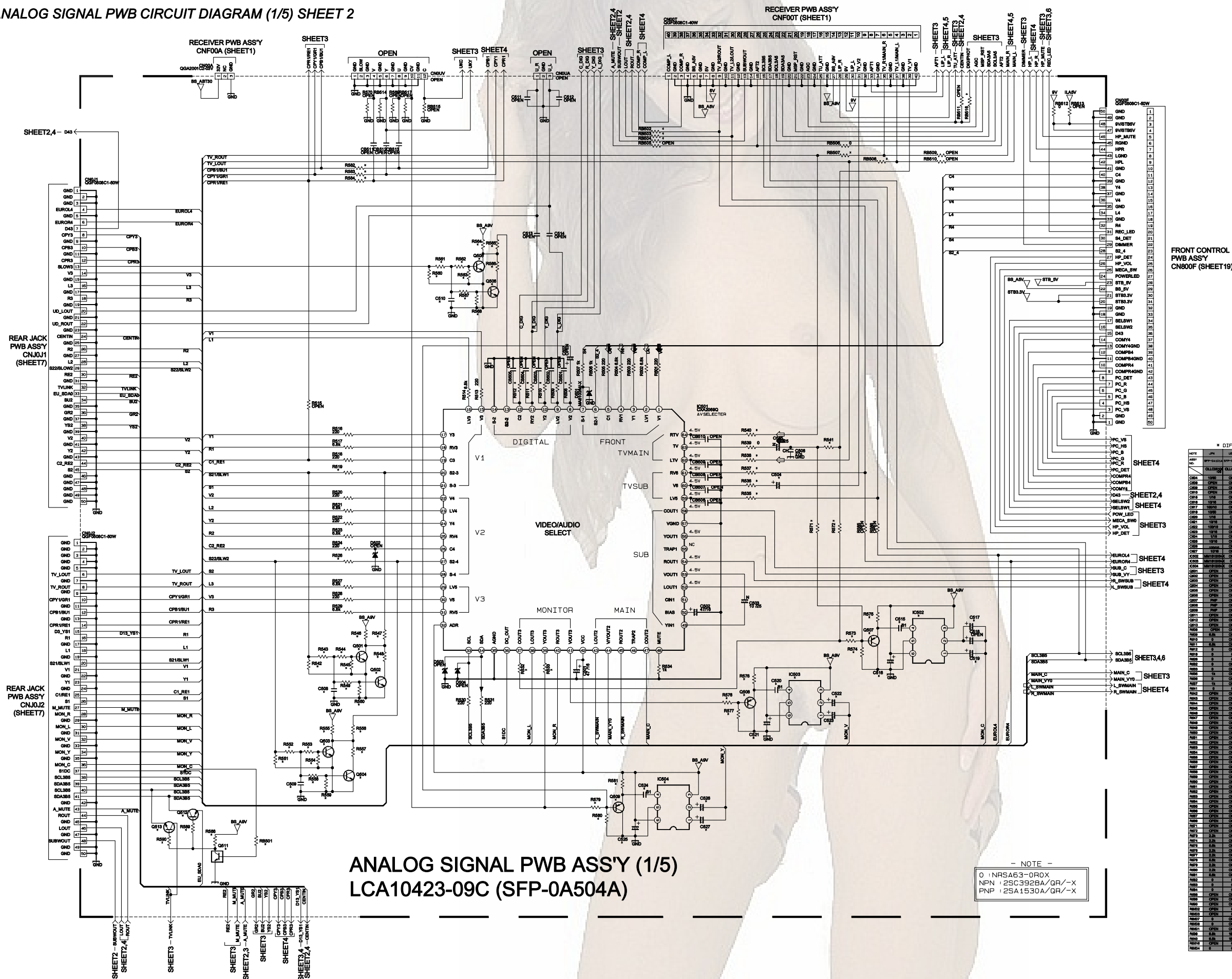
RECEIVER UNIT



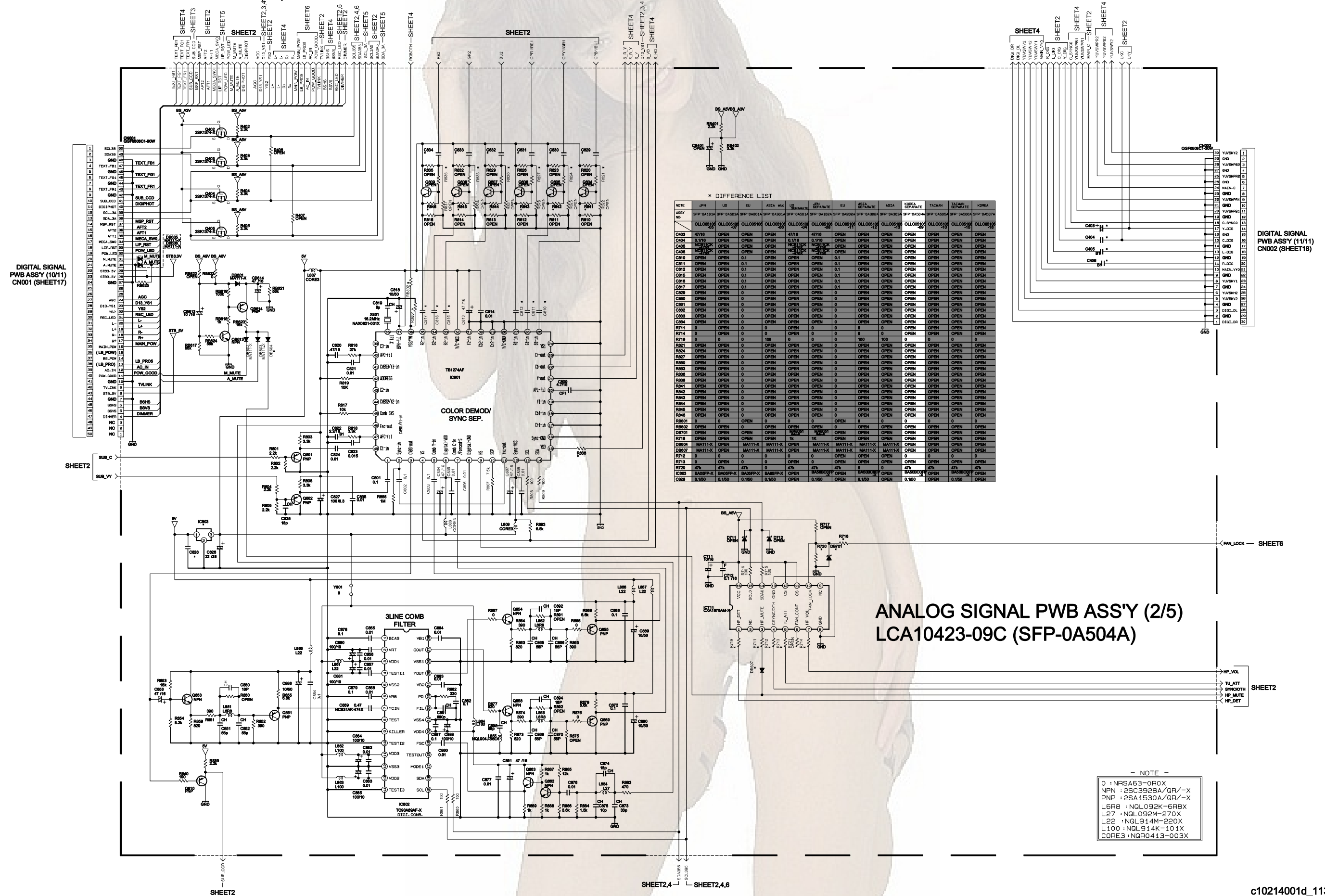
BLOCK DIAGRAM



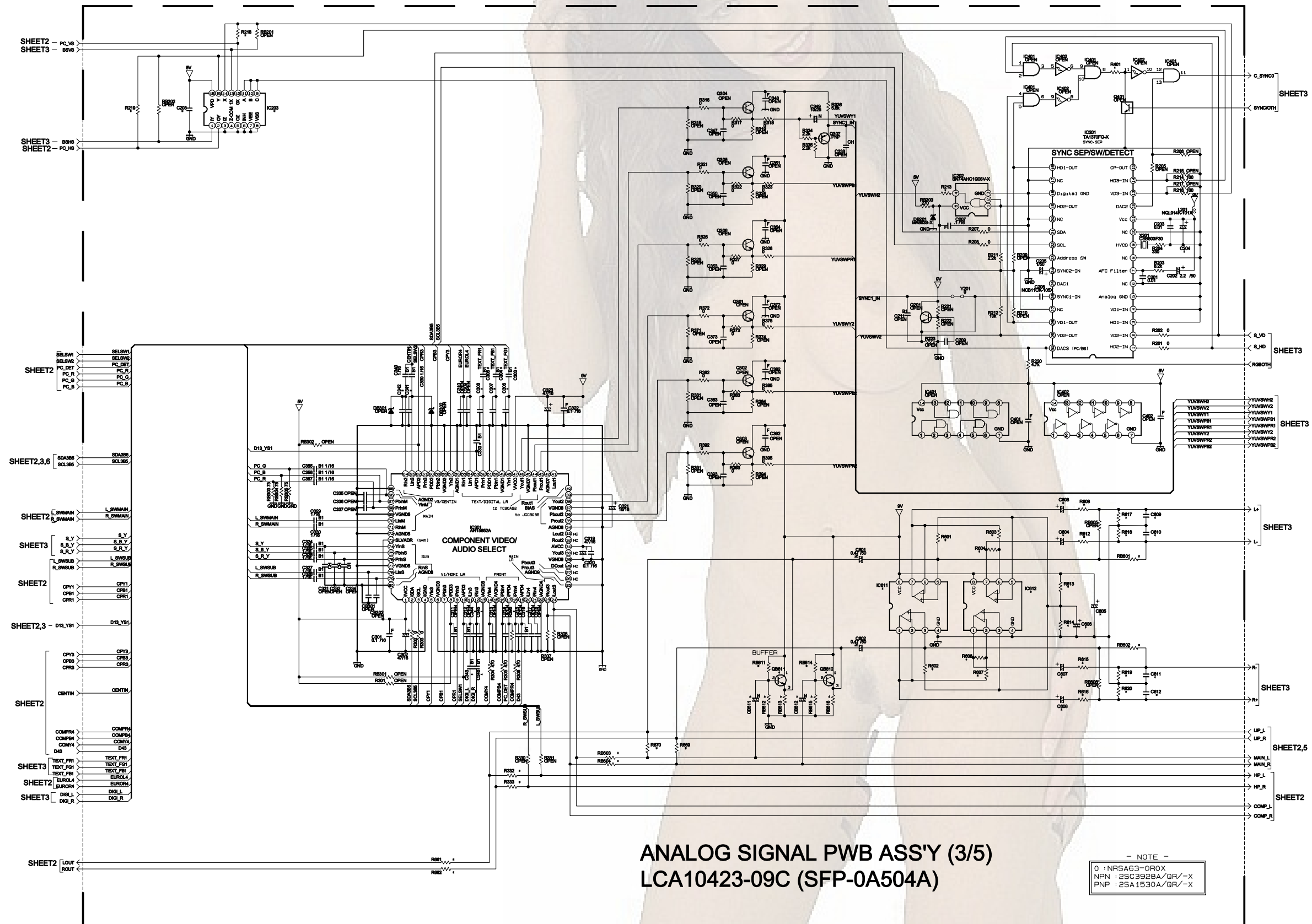
ANALOG SIGNAL PWB CIRCUIT DIAGRAM (1/5) SHEET 2

[illegible]

ANALOG SIGNAL PWB CIRCUIT DIAGRAM (2/5) SHEET 3



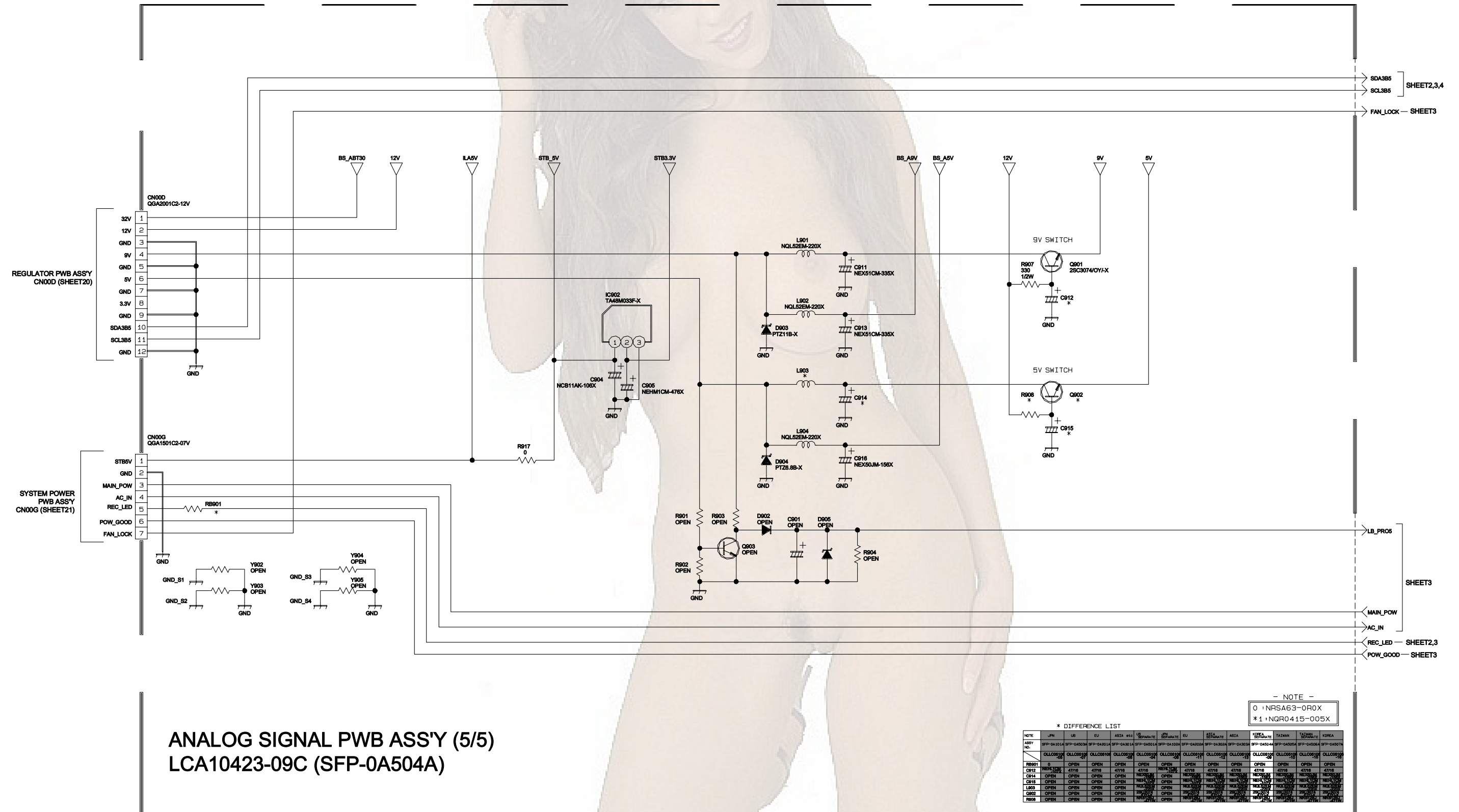
ANALOG SIGNAL PWB CIRCUIT DIAGRAM (3/5) SHEET 4

[illegible]

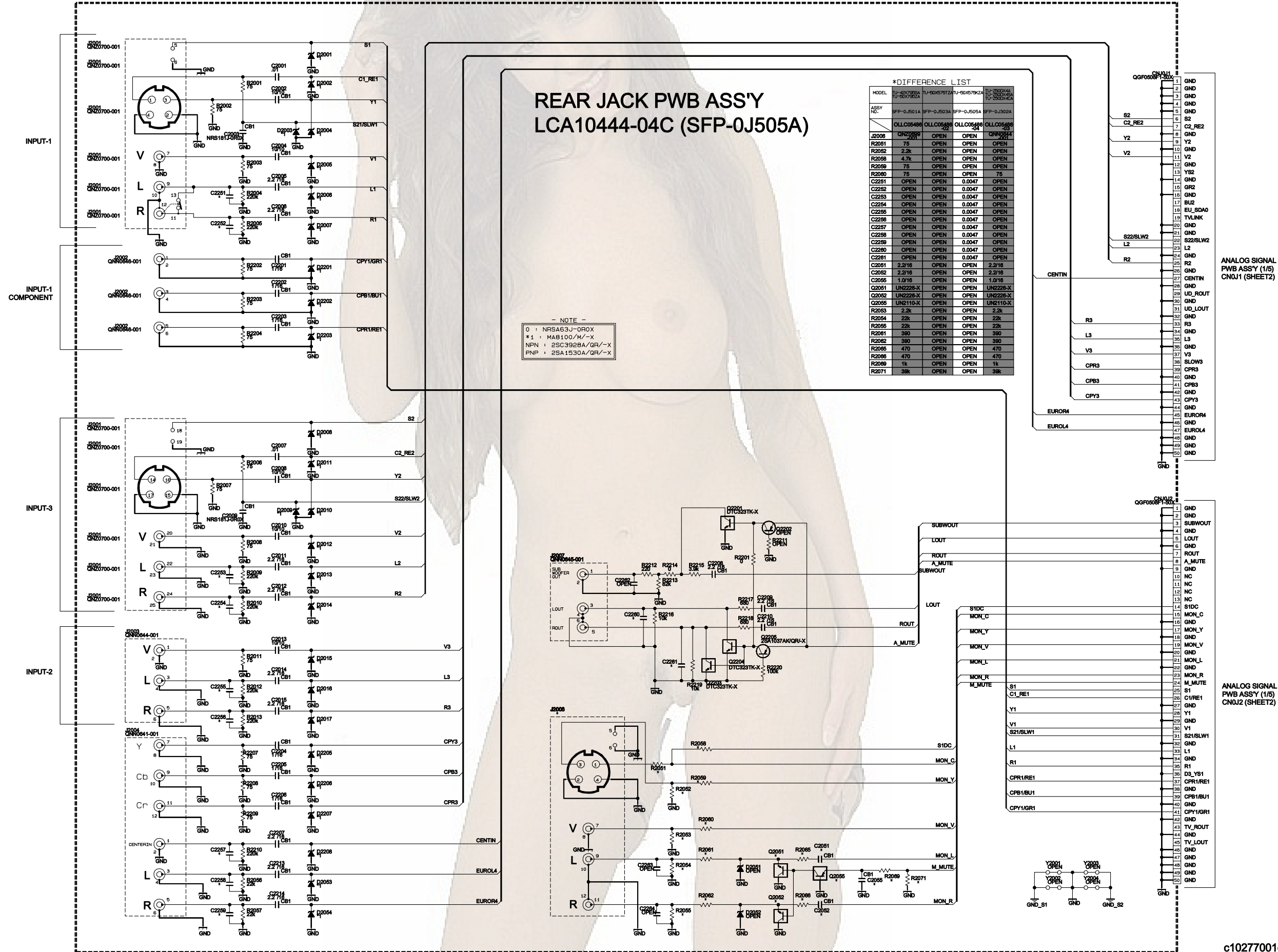
ANALOG SIGNAL PWB ASS'Y (3/5)
LCA10423-09C (SFP-0A504A)

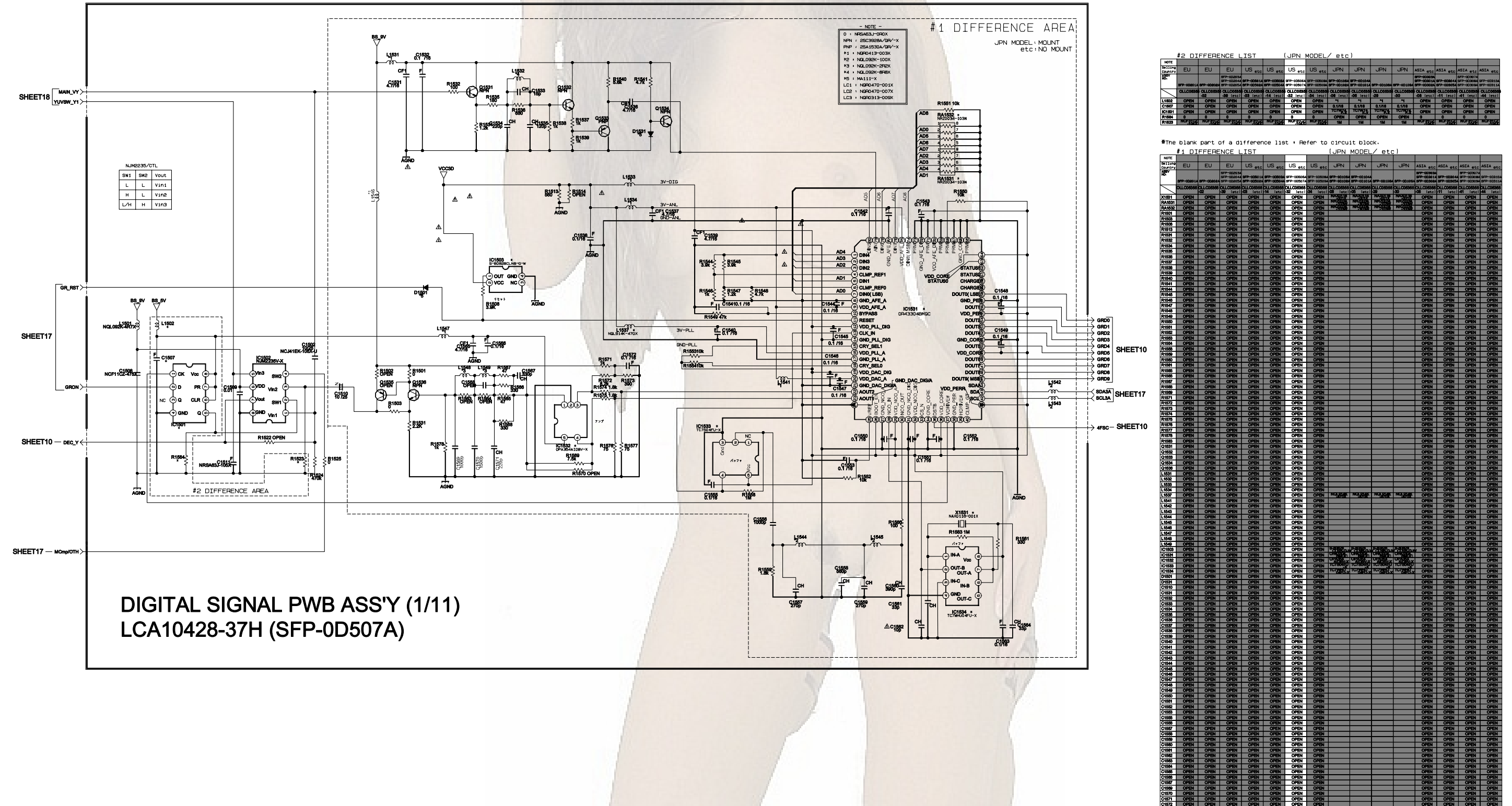
- NOTE -

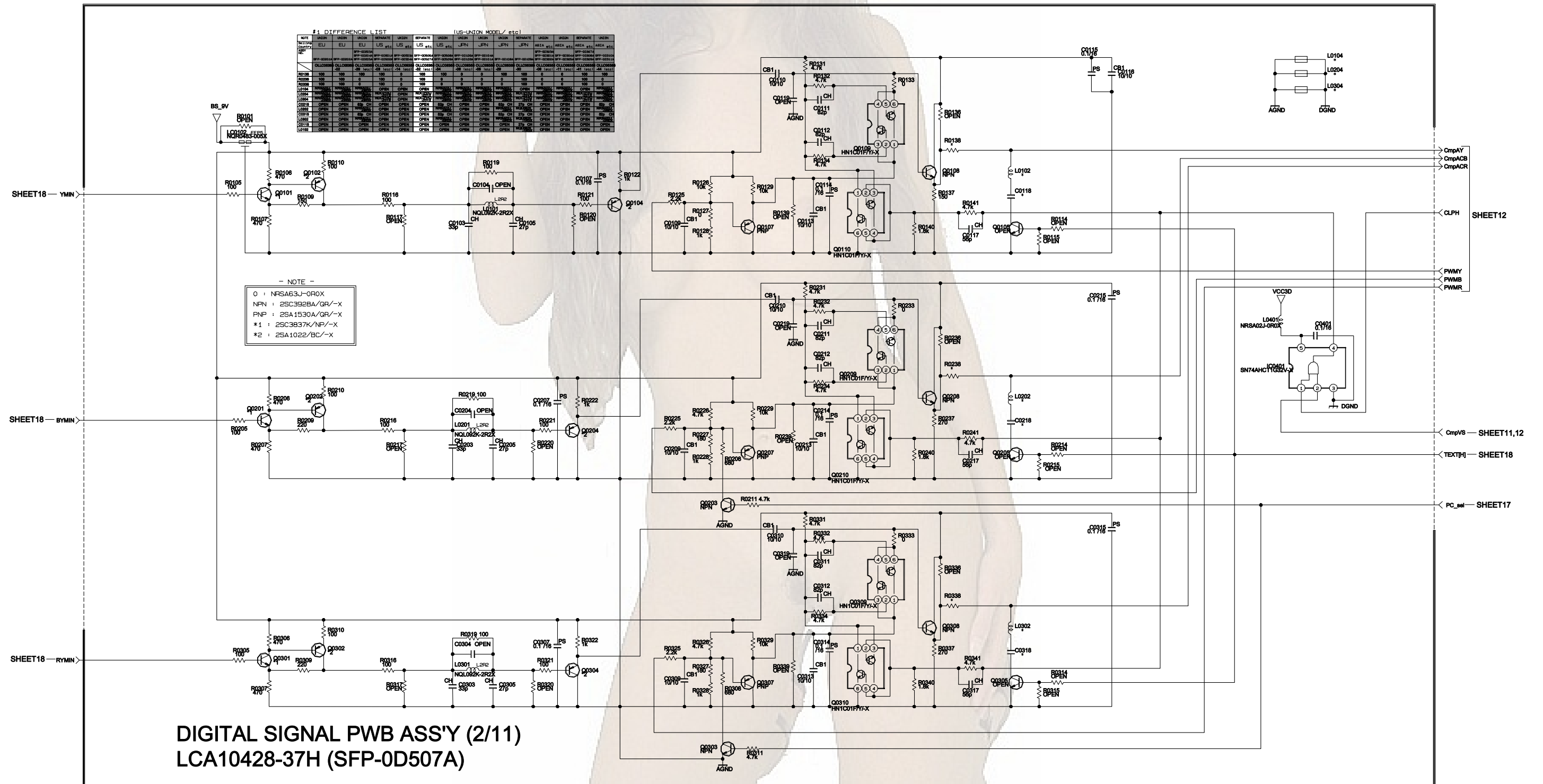
0 : NRSA63-OR0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X

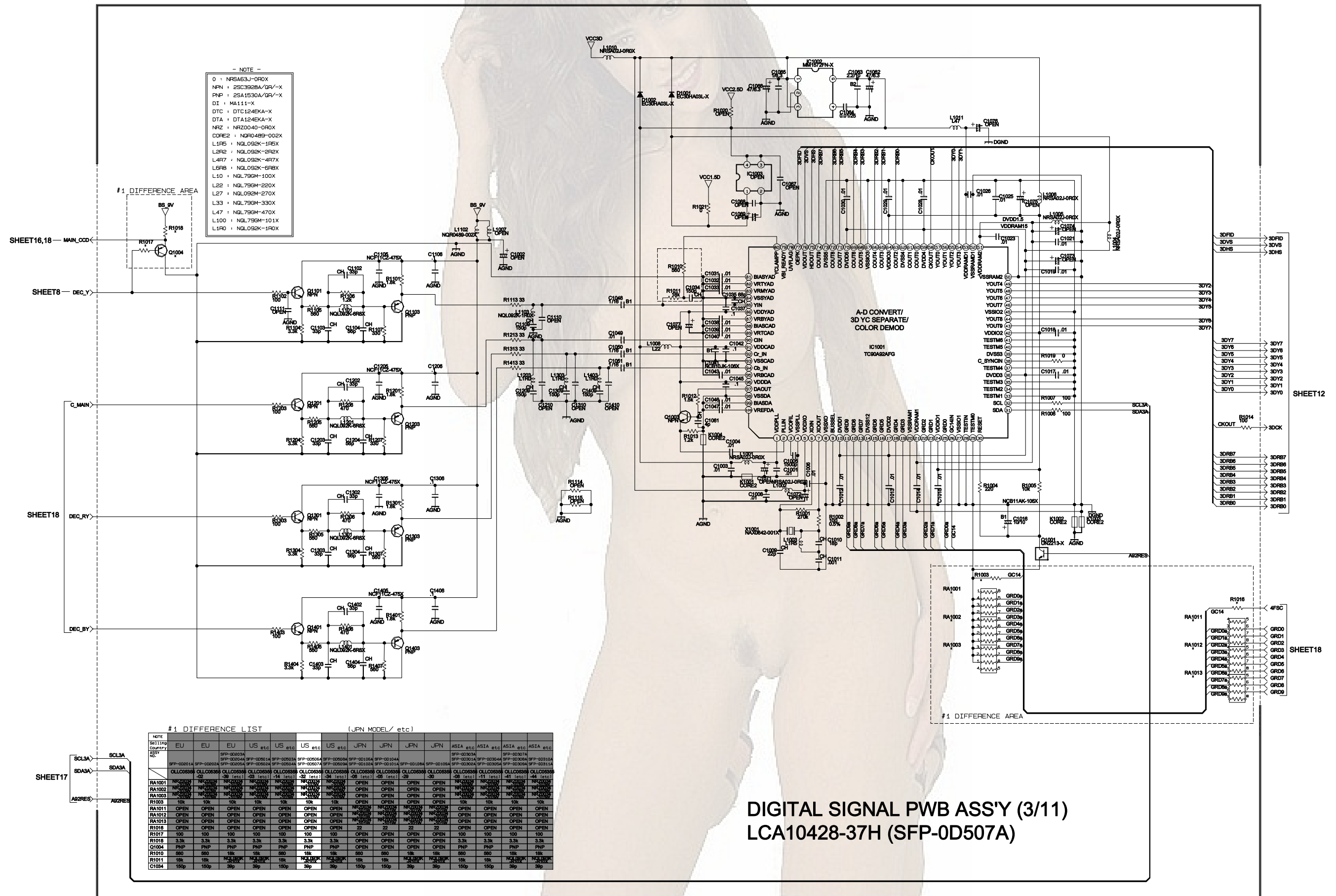


REAR JACK PWB CIRCUIT DIAGRAM SHEET 7

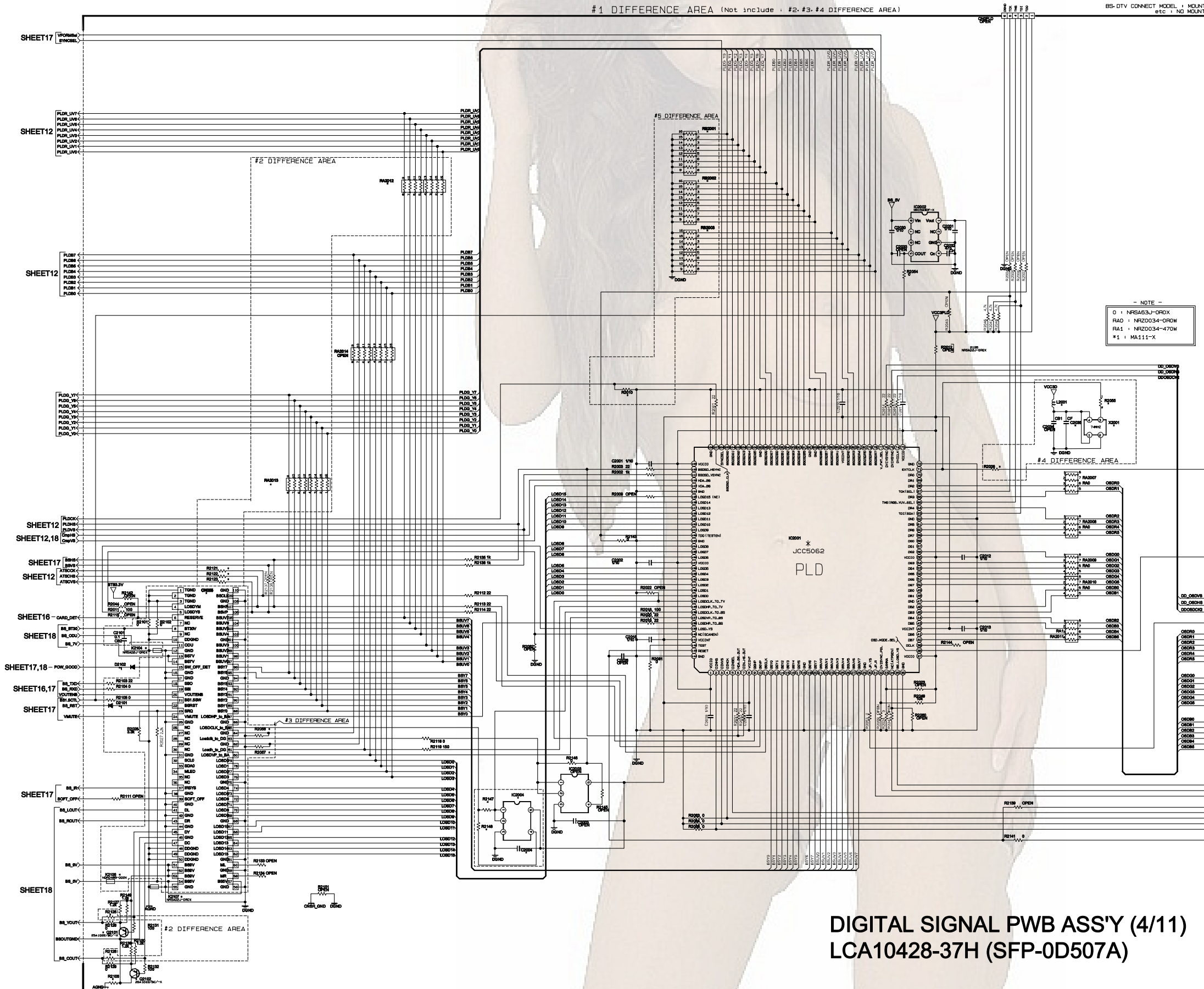




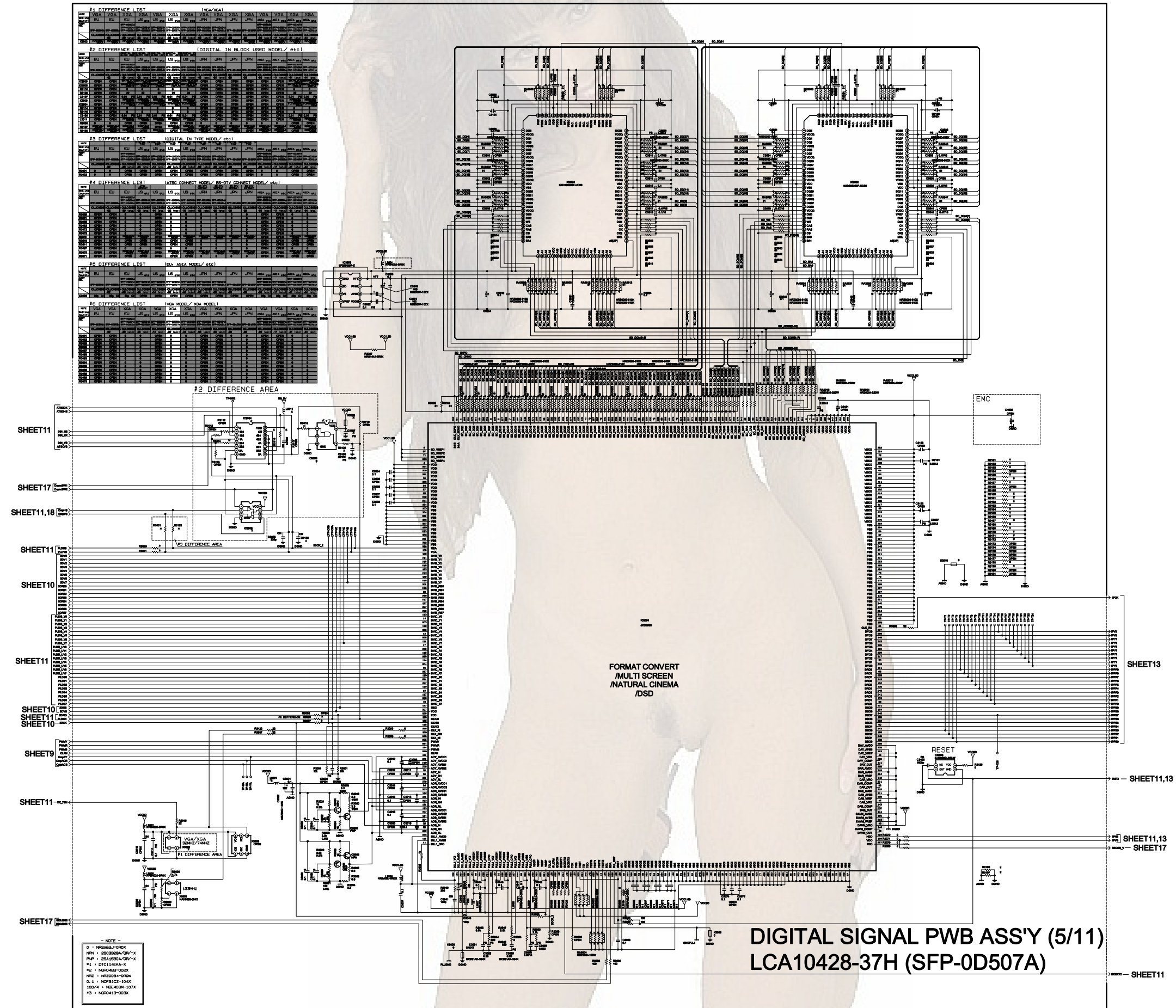


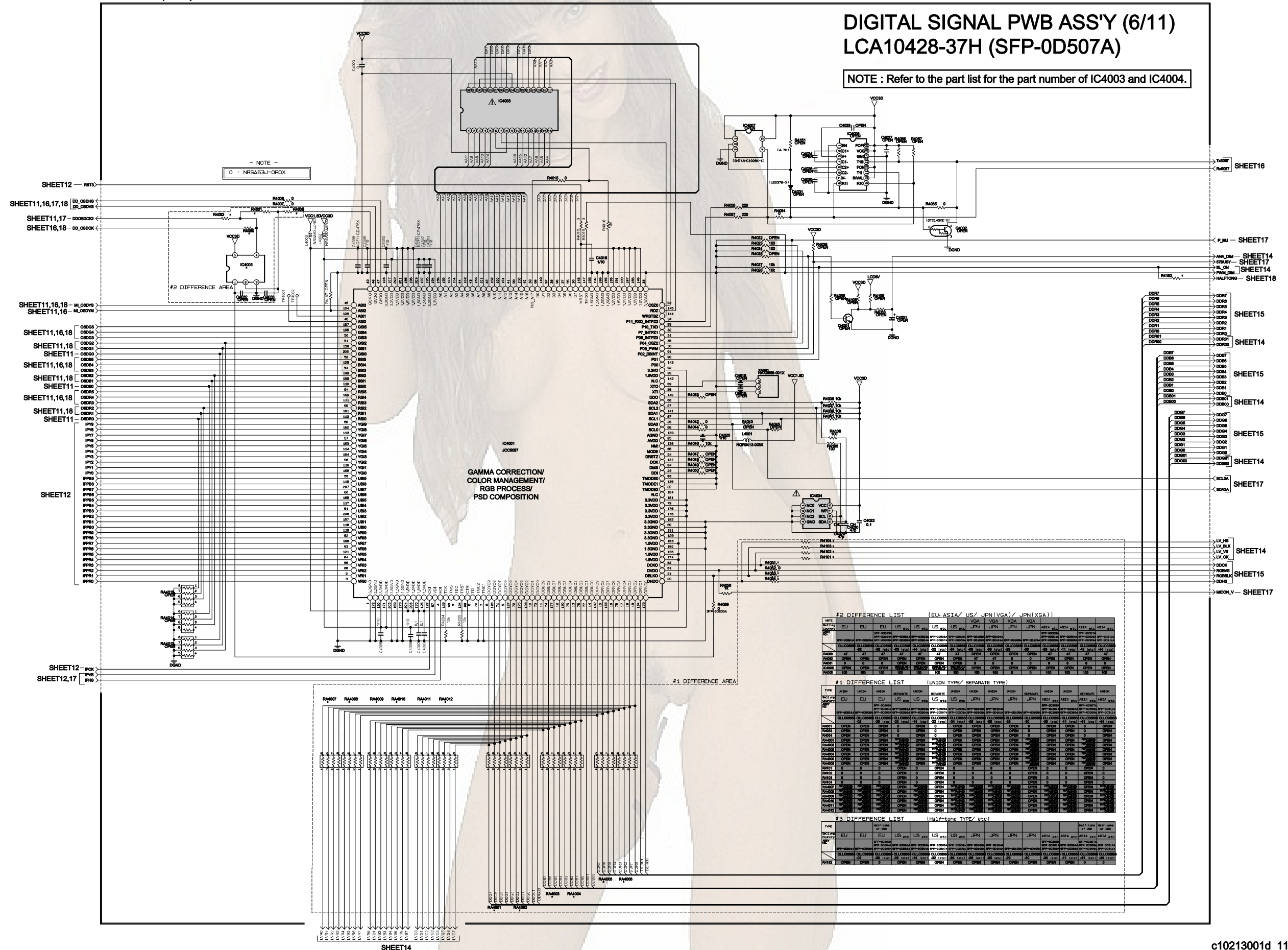


DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (4/11) SHEET 11

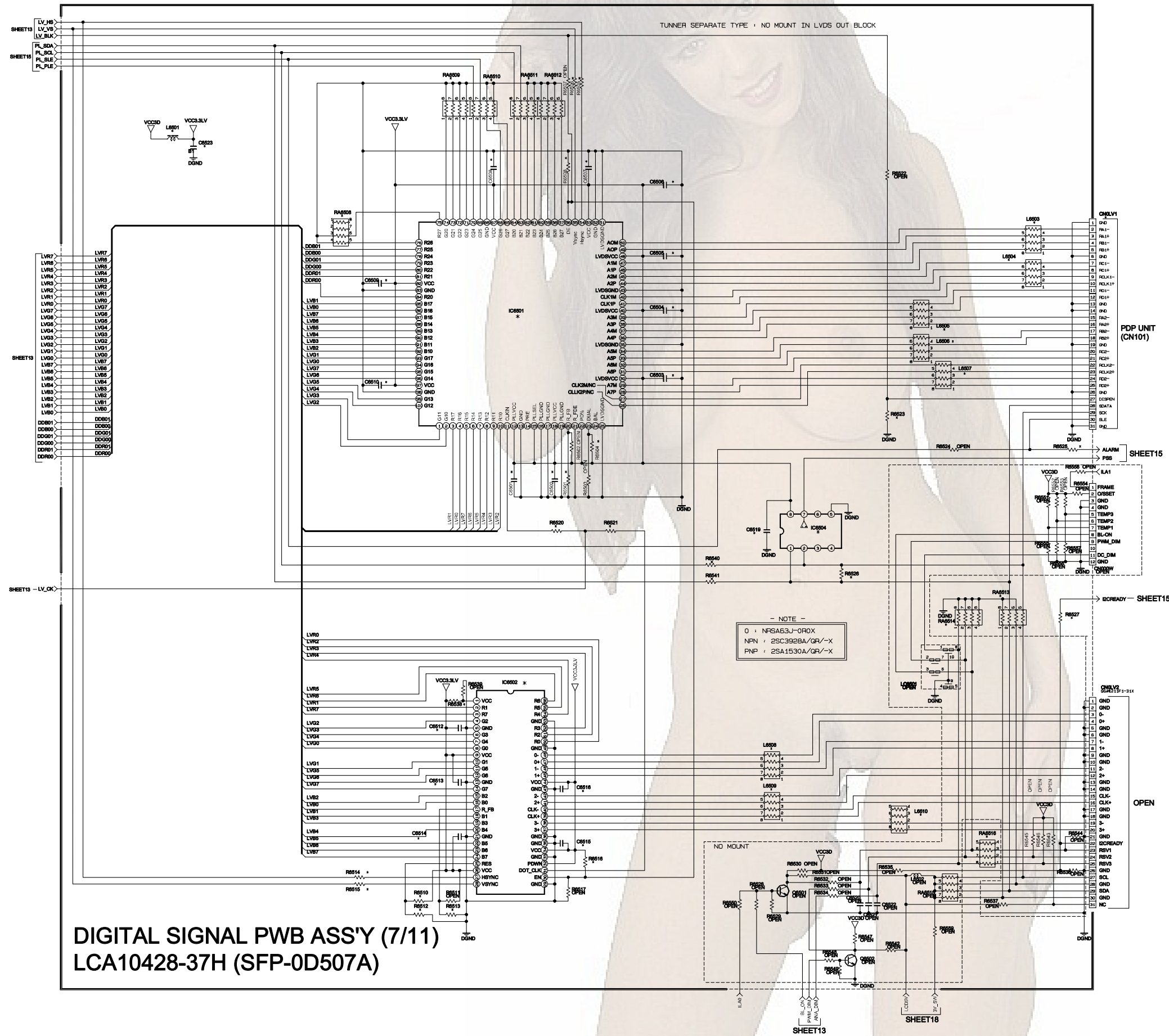
[illegible]

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (5/11) SHEET 12





DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (7/11) SHEET 14

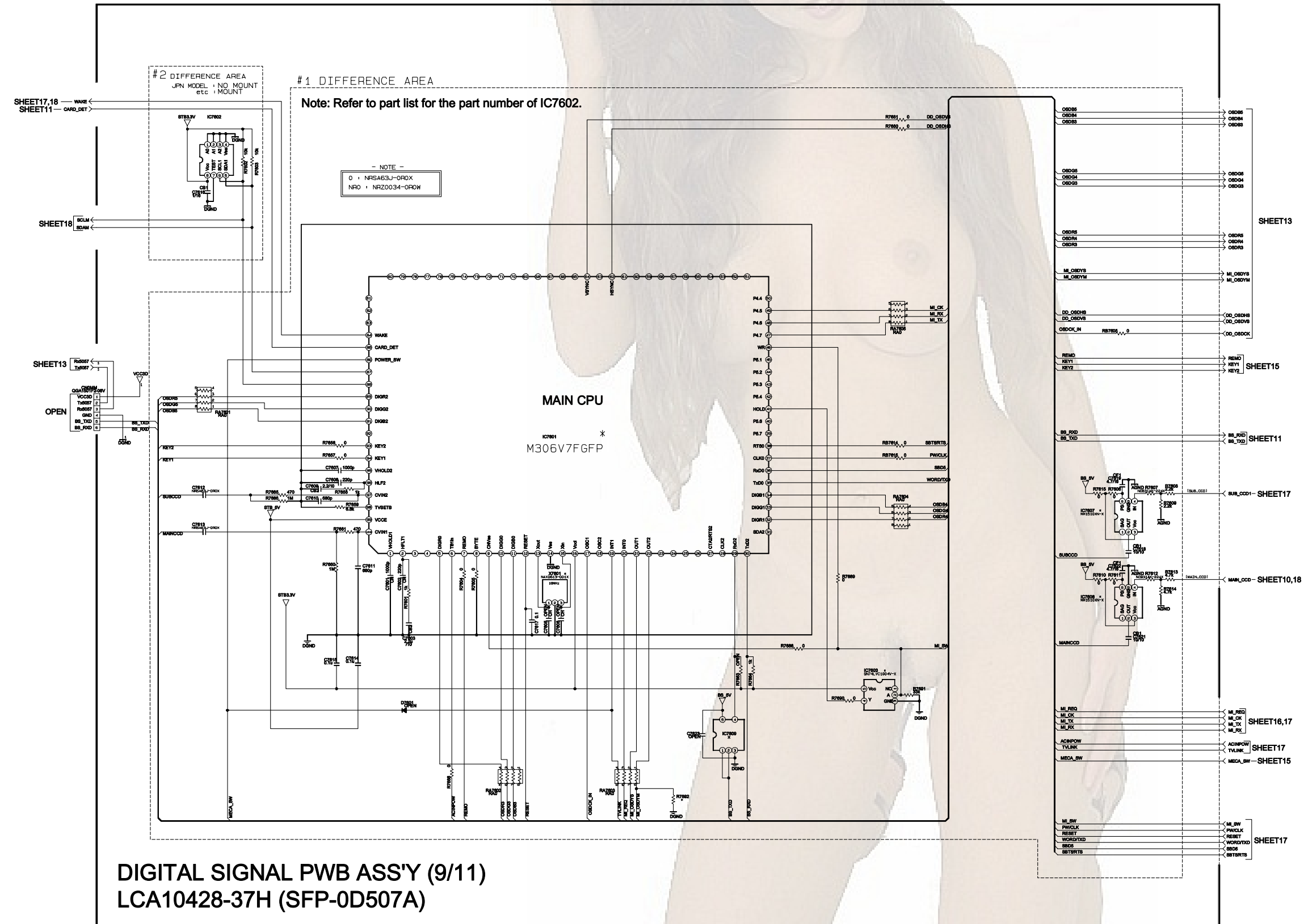


DIGITAL SIGNAL PWB ASS'Y (7/11) LCA10428-37H (SFP-0D507A)

* DIFFERENCE LIST

TYPE	REF	VALUE	UNIT	QTY	REMARKS
RES	R500	10K	Ω	1	10KΩ
RES	R501	10K	Ω	1	10KΩ
RES	R502	10K	Ω	1	10KΩ
RES	R503	10K	Ω	1	10KΩ
RES	R504	10K	Ω	1	10KΩ
RES	R505	10K	Ω	1	10KΩ
RES	R506	10K	Ω	1	10KΩ
RES	R507	10K	Ω	1	10KΩ
RES	R508	10K	Ω	1	10KΩ
RES	R509	10K	Ω	1	10KΩ
RES	R510	10K	Ω	1	10KΩ
RES	R511	10K	Ω	1	10KΩ
RES	R512	10K	Ω	1	10KΩ
RES	R513	10K	Ω	1	10KΩ
RES	R514	10K	Ω	1	10KΩ
CAP	C500	100P	F	1	100PF
CAP	C501	100P	F	1	100PF
CAP	C502	100P	F	1	100PF
CAP	C503	100P	F	1	100PF
CAP	C504	100P	F	1	100PF
CAP	C505	100P	F	1	100PF
CAP	C506	100P	F	1	100PF
CAP	C507	100P	F	1	100PF
CAP	C508	100P	F	1	100PF
CAP	C509	100P	F	1	100PF
CAP	C510	100P	F	1	100PF
CAP	C511	100P	F	1	100PF
CAP	C512	100P	F	1	100PF
CAP	C513	100P	F	1	100PF
CAP	C514	100P	F	1	100PF
CAP	C515	100P	F	1	100PF
CAP	C516	100P	F	1	100PF
IND	L500	100UH	H	1	100UH
IND	L501	100UH	H	1	100UH
IND	L502	100UH	H	1	100UH
IND	L503	100UH	H	1	100UH
IND	L504	100UH	H	1	100UH
IND	L505	100UH	H	1	100UH
IND	L506	100UH	H	1	100UH
IND	L507	100UH	H	1	100UH
IND	L508	100UH	H	1	100UH
IND	L509	100UH	H	1	100UH
IND	L510	100UH	H	1	100UH

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (9/11) SHEET 16

[illegible][illegible]

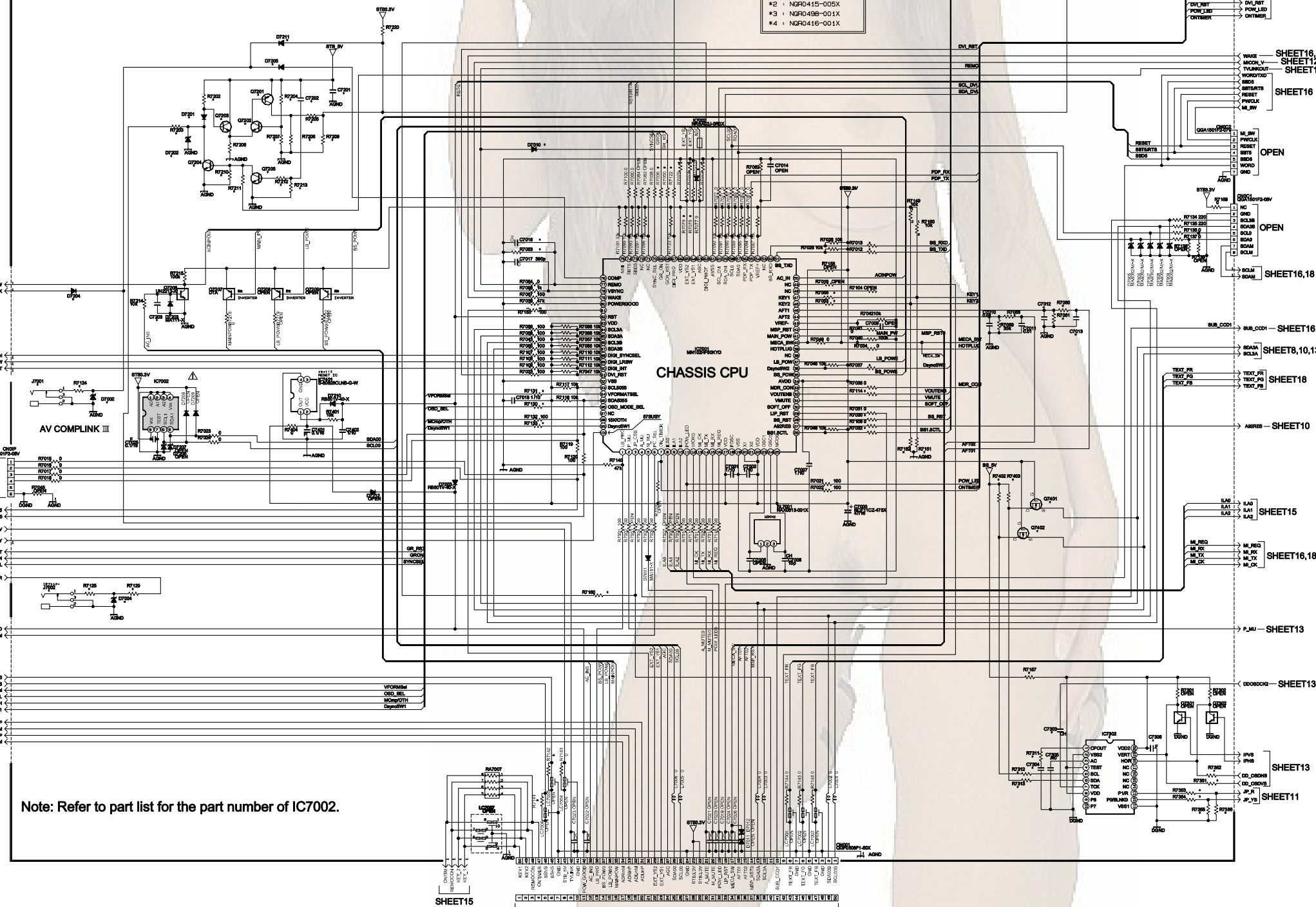
DIGITAL SIGNAL PWB ASS'Y (10/11)
LCA10428-37H (SFP-0D507A)

0 : NPSA63J-0F

```

0 : NRSA63J-0R0X
NPN : 2SC3928A/GR/-
PNP : 2SA1530A/GR/-
0.1 : NCF31CZ-104X
DTA : DTA144EKA-X
DTC : DTC144EKA-X
*1 : NGR0450-001X
*2 : NGR0415-005X
*3 : NGR0498-001X
*4 : NGR0416-001X

```



Note: Refer to part list for the part number of IC7002.

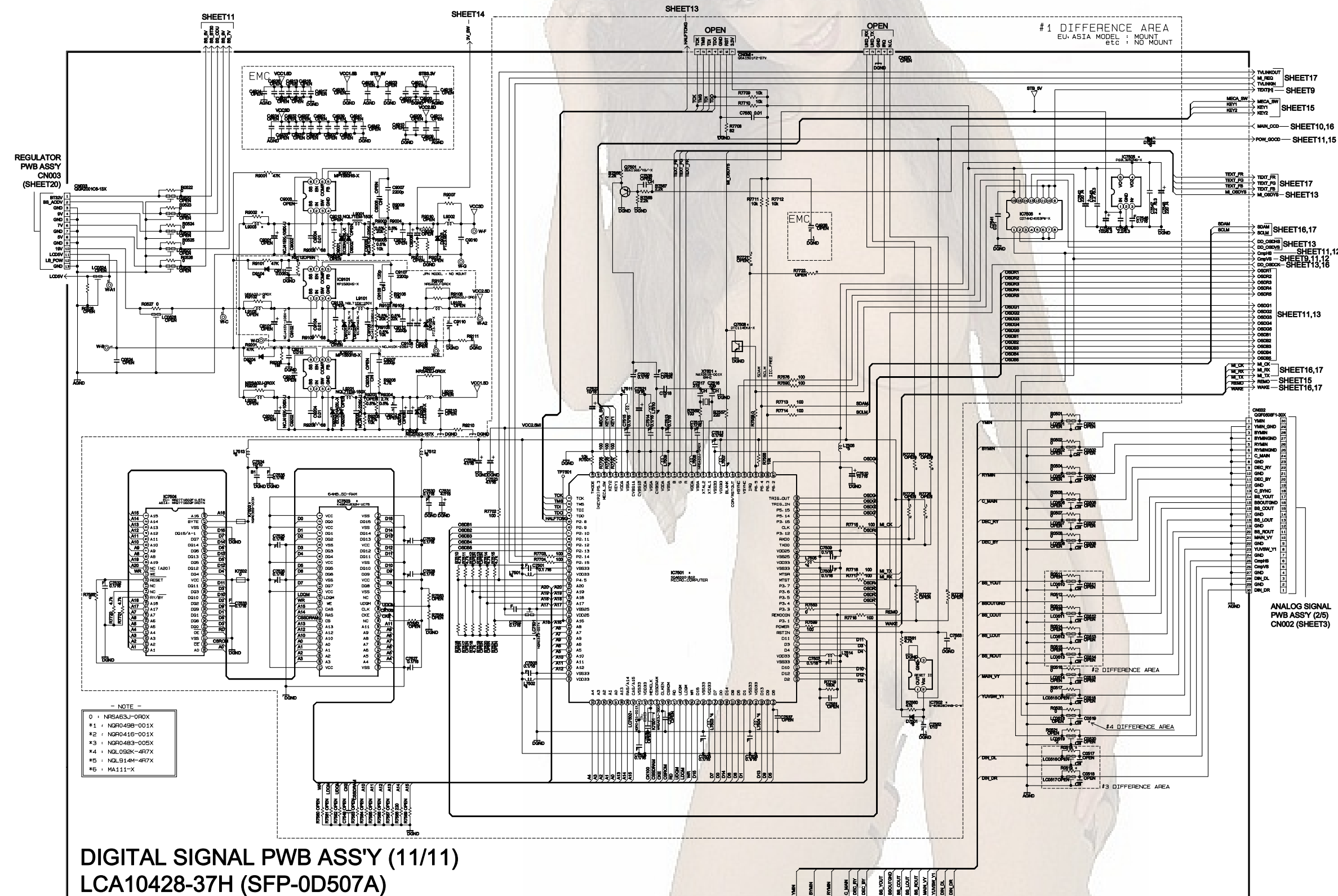
ANALOG SIGNAL PWB ASS'Y (2/5) CN001 (SHEET3)

(No.YA238)2-41

2-42(No.YA238)

[illegible][illegible][illegible][illegible][illegible][illegible]

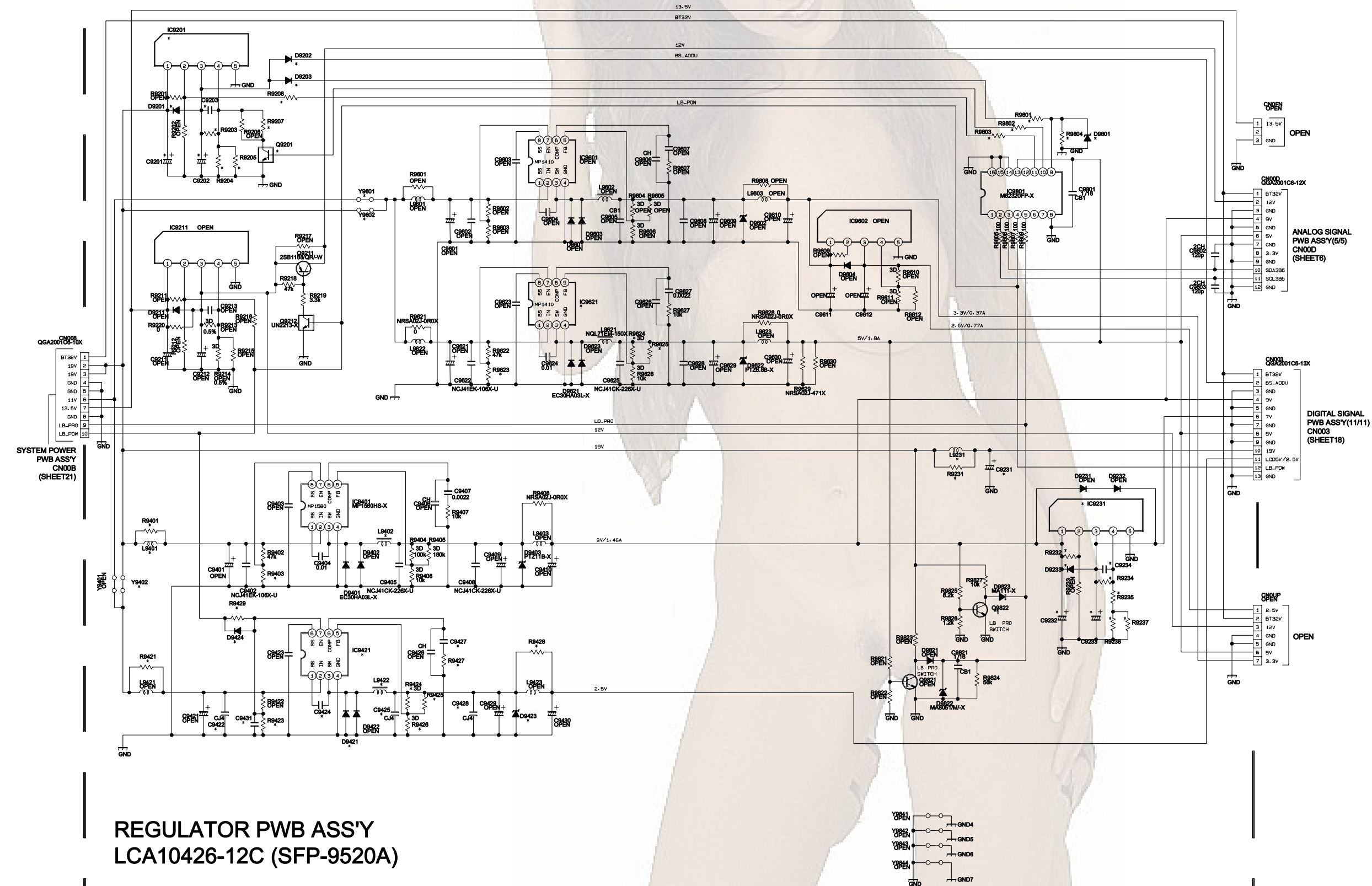
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (11/11) SHEET 18

[illegible][illegible][illegible][illegible]

UW000	UW001	UW002	UW003	UW004	UW005	UW006	UW007	UW008	UW009	UW010	UW011	UW012	UW013	UW014	UW015	UW016	UW017	UW018	UW019	UW020	UW021	UW022	UW023	UW024	UW025	UW026	UW027	UW028	UW029	UW030	UW031	UW032	UW033	UW034	UW035	UW036	UW037	UW038	UW039	UW040	UW041	UW042	UW043	UW044	UW045	UW046	UW047	UW048	UW049	UW050	UW051	UW052	UW053	UW054	UW055	UW056	UW057	UW058	UW059	UW060	UW061	UW062	UW063	UW064	UW065	UW066	UW067	UW068	UW069	UW070	UW071	UW072	UW073	UW074	UW075	UW076	UW077	UW078	UW079	UW080	UW081	UW082	UW083	UW084	UW085	UW086	UW087	UW088	UW089	UW090	UW091	UW092	UW093	UW094	UW095	UW096	UW097	UW098	UW099	UW100	UW101	UW102	UW103	UW104	UW105	UW106	UW107	UW108	UW109	UW110	UW111	UW112	UW113	UW114	UW115	UW116	UW117	UW118	UW119	UW120	UW121	UW122	UW123	UW124	UW125	UW126	UW127	UW128	UW129	UW130	UW131	UW132	UW133	UW134	UW135	UW136	UW137	UW138	UW139	UW140	UW141	UW142	UW143	UW144	UW145	UW146	UW147	UW148	UW149	UW150	UW151	UW152	UW153	UW154	UW155	UW156	UW157	UW158	UW159	UW160	UW161	UW162	UW163	UW164	UW165	UW166	UW167	UW168	UW169	UW170	UW171	UW172	UW173	UW174	UW175	UW176	UW177	UW178	UW179	UW180	UW181	UW182	UW183	UW184	UW185	UW186	UW187	UW188	UW189	UW190	UW191	UW192	UW193	UW194	UW195	UW196	UW197	UW198	UW199	UW200	UW201	UW202	UW203	UW204	UW205	UW206	UW207	UW208	UW209	UW210	UW211	UW212	UW213	UW214	UW215	UW216	UW217	UW218	UW219	UW220	UW221	UW222	UW223	UW224	UW225	UW226	UW227	UW228	UW229	UW230	UW231	UW232	UW233	UW234	UW235	UW236	UW237	UW238	UW239	UW240	UW241	UW242	UW243	UW244	UW245	UW246	UW247	UW248	UW249	UW250	UW251	UW252	UW253	UW254	UW255	UW256	UW257	UW258	UW259	UW260	UW261	UW262	UW263	UW264	UW265	UW266	UW267	UW268	UW269	UW270	UW271	UW272	UW273	UW274	UW275	UW276	UW277	UW278	UW279	UW280	UW281	UW282	UW283	UW284	UW285	UW286	UW287	UW288	UW289	UW290	UW291	UW292	UW293	UW294	UW295	UW296	UW297	UW298	UW299	UW300	UW301	UW302	UW303	UW304	UW305	UW306	UW307	UW308	UW309	UW310	UW311	UW312	UW313	UW314	UW315	UW316	UW317	UW318	UW319	UW320	UW321	UW322	UW323	UW324	UW325	UW326	UW327	UW328	UW329	UW330	UW331	UW332	UW333	UW334	UW335	UW336	UW337	UW338	UW339	UW340	UW341	UW342	UW343	UW344	UW345	UW346	UW347	UW348	UW349	UW350	UW351	UW352	UW353	UW354	UW355	UW356	UW357	UW358	UW359	UW360	UW361	UW362	UW363	UW364	UW365	UW366	UW367	UW368	UW369	UW370	UW371	UW372	UW373	UW374	UW375	UW376	UW377	UW378	UW379	UW380	UW381	UW382	UW383	UW384	UW385	UW386	UW387	UW388	UW389	UW390	UW391	UW392	UW393	UW394	UW395	UW396	UW397	UW398	UW399	UW400	UW401	UW402	UW403	UW404	UW405	UW406	UW407	UW
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	----

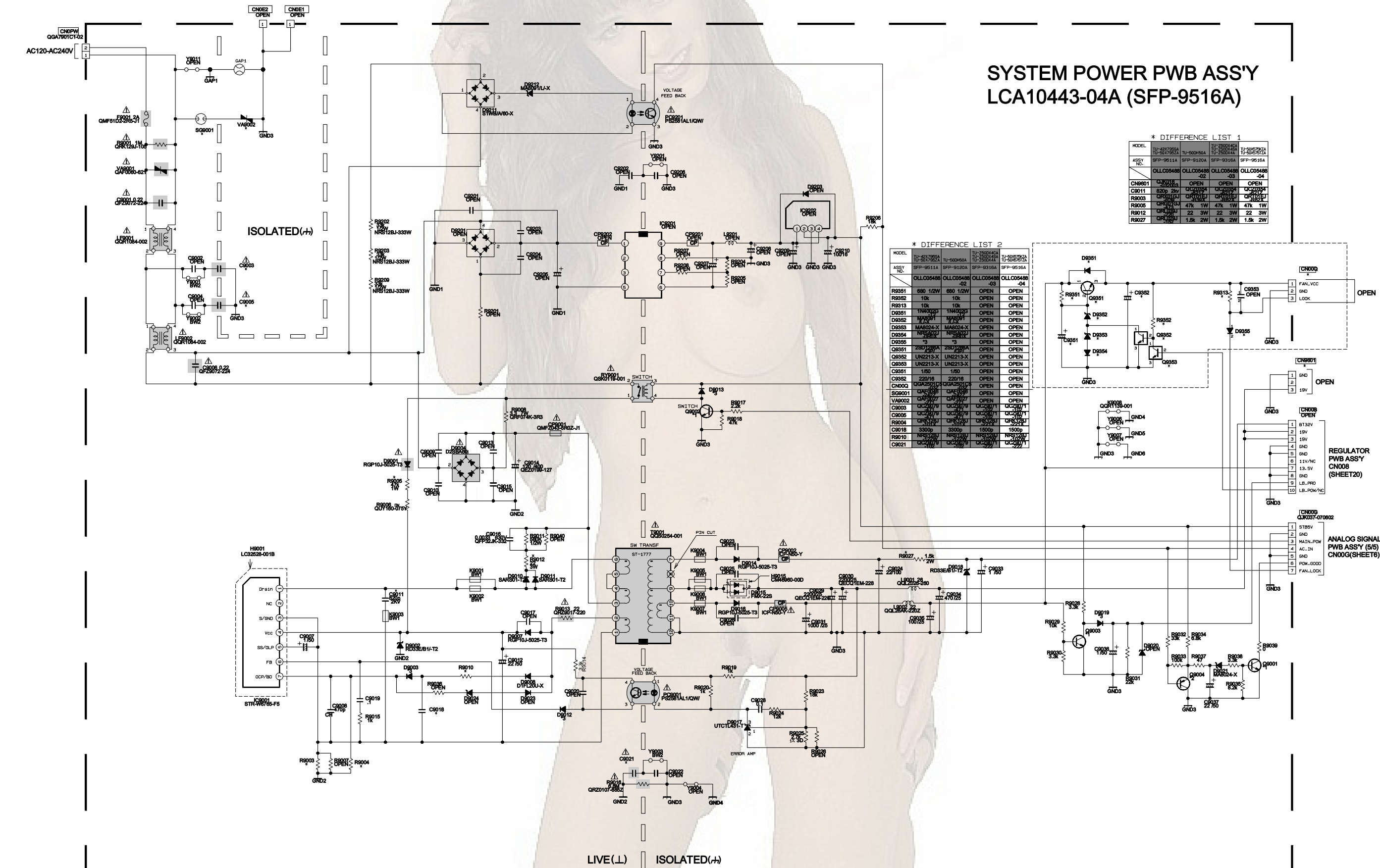
#4 DIFFERENCE LIST						(EU, ASIA MODEL / etc)									
H/W MODEL TYPE	EU	EU	EU	US	US	US	US	JPN	JPN	JPN	JPN	ASIA	ASIA	ASIA	ASIA
	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A	OFF-020A
COLOR	COLOR	COLOR	COLOR	COLOR	COLOR	COLOR	COLOR	COLOR	COLOR	COLOR	COLOR	COLOR	COLOR	COLOR	COLOR
COMP	OPEN	OPEN	OPEN	NO	NO	NO	NO	NO	NO	NO	NO	OPEN	OPEN	OPEN	OPEN

REGULATOR PWB CIRCUIT DIAGRAM SHEET 20

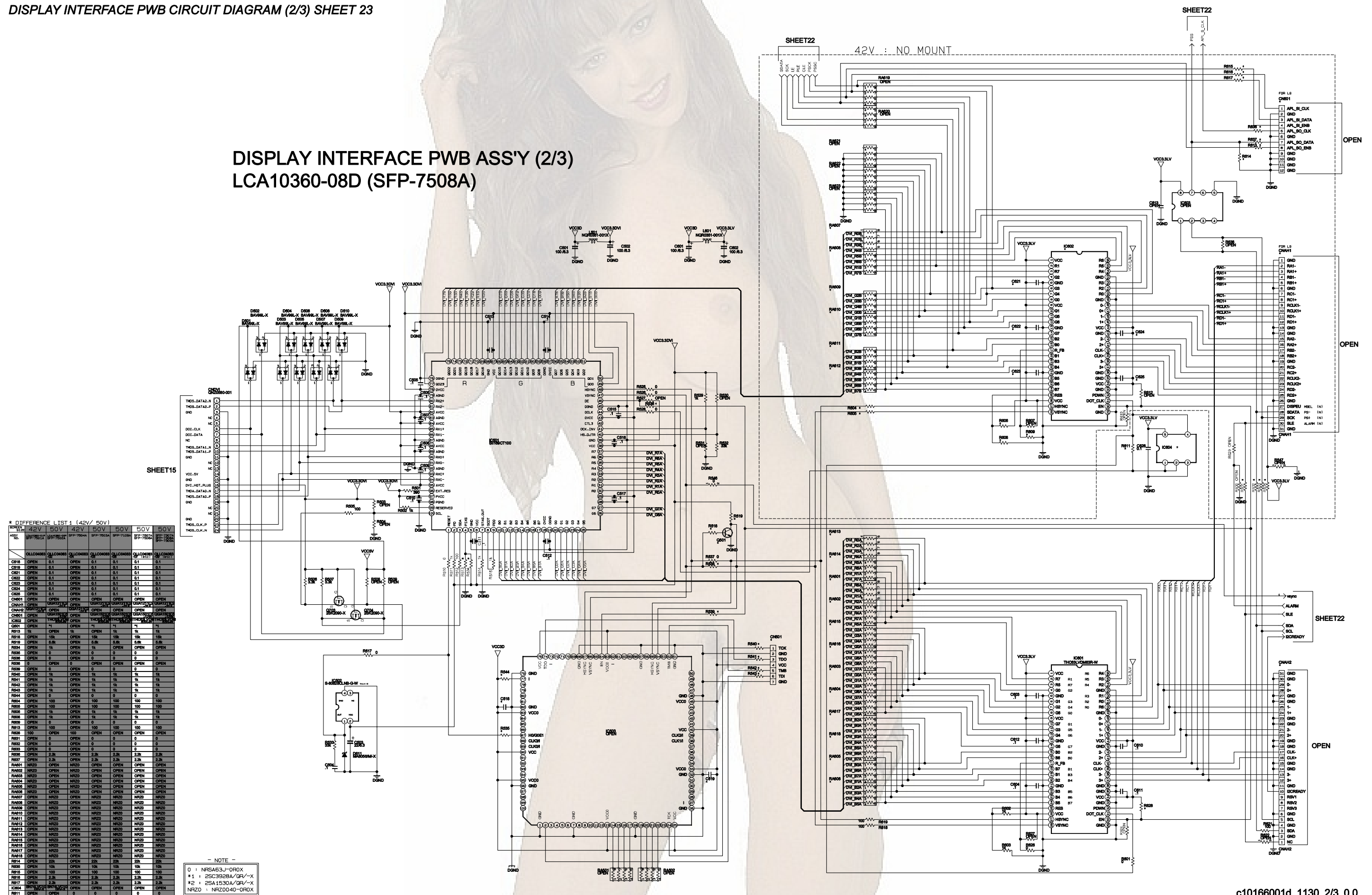


REGULATOR PWB ASS'Y
LCA10426-12C (SFP-9520A)

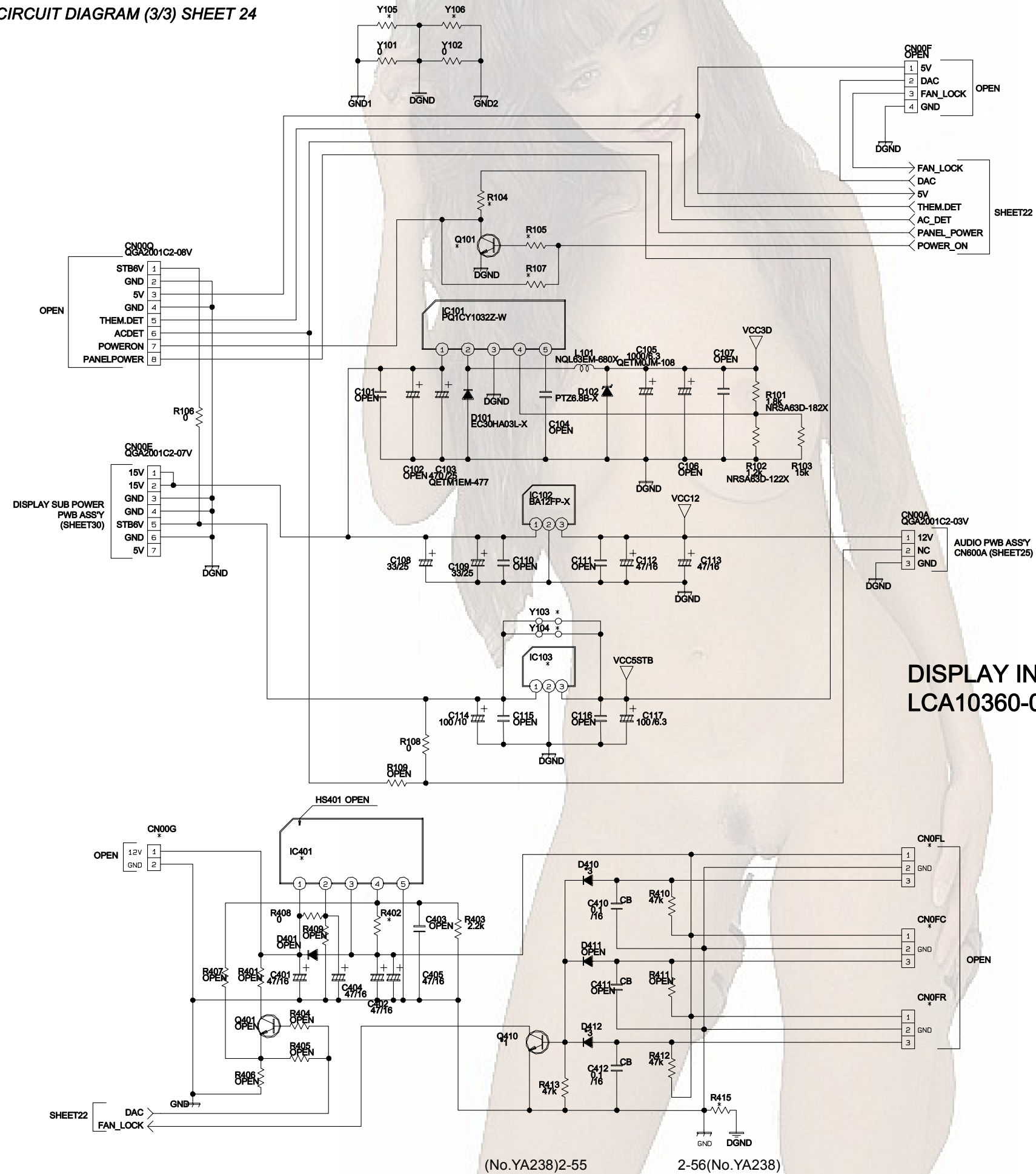
* DIFFERENCE LIST									
ARMY NO.	DIFF-2014 1-17-14	DIFF-2014 1-18-14	DIFF-2014 1-19-14	DIFF-2014 1-20-14	DIFF-2014 1-21-14	DIFF-2014 1-22-14	DIFF-2014 1-23-14	DIFF-2014 1-24-14	DIFF-2014 1-25-14
	QCL00108	QCL00109	QCL00110	QCL00108	QCL00109	QCL00110	QCL00111	QCL00108	QCL00109
5V	D0981	OPEN	MP115X	OPEN	MP115X	OPEN	MP115X	OPEN	MP115X
	D0982	3IN	3IN	3IN	3IN	3IN	3IN	1IN	1IN
	D0983	4IN	3IN	3IN	3IN	3IN	3IN	3IN	3IN
	D0985	9IN	3IN	6IN	9IN	3IN	9IN	1IN	6IN
BS	D0301	OPEN	OPEN	OPEN	MP121X	OPEN	MP121X	OPEN	MP121X
	D0302	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0303	OPEN	OPEN	OPEN	MAT11-X	MAT11-X	MAT11-X	OPEN	MAT11-X
	D0304	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
15V	D0201	OPEN	OPEN	OPEN	HER115X	OPEN	HER115X	OPEN	HER115X
	D0202	OPEN	OPEN	OPEN	HER115X	OPEN	HER115X	OPEN	HER115X
	D0203	OPEN	OPEN	OPEN	HER115X	OPEN	HER115X	OPEN	HER115X
	D0204	OPEN	OPEN	OPEN	HER115X	OPEN	HER115X	OPEN	HER115X
9V	D0307	OPEN	OPEN	OPEN	MP120X	OPEN	MP120X	OPEN	MP120X
	D0308	OPEN	OPEN	OPEN	MP120X	OPEN	MP120X	OPEN	MP120X
	D0309	OPEN	OPEN	OPEN	MP120X	OPEN	MP120X	OPEN	MP120X
	D0310	OPEN	OPEN	OPEN	MP120X	OPEN	MP120X	OPEN	MP120X
19V	D0408	1IN	1IN	1IN	1IN	1IN	1IN	1IN	1IN
	L4401	OPEN	OPEN	OPEN	NO452X	OPEN	NO452X	OPEN	NO452X
	D0412	NO452X	NO452X	NO452X	NO452X	NO452X	NO452X	NO452X	NO452X
	D0413	OPEN	OPEN	OPEN	NO452X	OPEN	NO452X	OPEN	NO452X
7V	D0621	OPEN	OPEN	OPEN	PO201X	OPEN	PO201X	OPEN	PO201X
	D0622	OPEN	OPEN	OPEN	PO201X	OPEN	PO201X	OPEN	PO201X
	D0623	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0624	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
2.5V	D0625	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0626	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0627	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0628	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
ON/OFF PROTECT	D0629	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0630	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0631	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0632	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
var	D0633	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0634	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0635	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0636	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
var	D0637	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0638	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0639	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0640	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
var	D0641	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0642	OPEN	OPEN	OPEN	DIFF5A-X	DIFF5A-X	DIFF5A-X	OPEN	DIFF5A-X
	D0643	OPEN							



DISPLAY INTERFACE PWB ASS'Y (2/3)
LCA10360-08D (SFP-7508A)



DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (3/3) SHEET 24



DISPLAY INTERFACE PWB ASS'Y (3/3)
LCA10360-08D (SFP-7508A)

- NOTE -

```
0 : NRSA63J-0R0X
*1 : 2SC3928A/QR/-X
*2 : 2SA1530A/QR/-X
*3 : MA111-X
```

* DIFFERENCE LIST 1 (42V/ 50V)							
BOX NO.	42V	50V	42V	50V	50V	50V	50V
ASBY NO.	U3R-750-1A U3R-750-1A	U3R-750-1A U3R-750-1A	SFP-750-6A SFP-750-6A	SFP-750-3A SFP-750-3A	SFP-1105A SFP-1105A	SFP-750-7A SFP-750-6A	SFP-750-7A SFP-750-7A
	OLDL04083		OLDL04083	OLDL04083	OLDL04083	OLDL04083	OLDL04083
Q101	"1	OPEN	"1	OPEN	OPEN	total	total
R104	5.2k	OPEN	3.3k	OPEN	OPEN	OPEN	OPEN
R105	10k	OPEN	10k	OPEN	OPEN	OPEN	OPEN
R106	0	OPEN	0	OPEN	0	0	0
R201	OPEN	PQ20W11-1	OPEN	PQ20W11-1	PQ20W11-1	PQ20W11-1	PQ20W11-1
CN01R	GA2001C12	50V	OPEN	GA2001C12	50V	GA2001C12	GA2001C12
CN01P	OPEN	GA2001C12	50V	OPEN	GA2001C12	50V	GA2001C12
CN01R	OPEN	GA2001C12	50V	OPEN	GA2001C12	50V	GA2001C12
CN009	OPEN	GA2001C12	50V	OPEN	GA2001C12	50V	GA2001C12
IC103	BA6FP-X	OPEN	BA6FP-X	OPEN	OPEN	OPEN	OPEN
Y103	OPEN	0	OPEN	0	0	0	0
Y104	OPEN	0	OPEN	0	0	0	0
R410	5.1k	4.7k	0.8k	0.8k	0.8k	0.8k	0.8k
R415	0	OPEN	0	OPEN	0	0	0

* DIFFERENCE LIST2 (JPN MODEL/ etc)

NOTE	JPN03	JPN03	US	US	JPN04	ASIA-etc	ASIA-etc
ASSY NO.	LP108B-111 SFP-750A	LP108B-024 SFP-750A	SFP-750A4	SFP-750A3	SFP-7108A	SFP-7507A SFP-7506A SFP-7505A	SFP-7507A SFP-7506A SFP-7505A
	OLLC04083	OLLC04083	OLLC04083	OLLC04083	OLLC04083	OLLC04083 (sac1)	OLLC04083 (sac1)
Y106	OPEN	OPEN	0	0	0	0	0
Y106	OPEN	OPEN	0	0	0	0	0

c10166001d_1130_3/3_0.0

* DIFFERENCE LIST 1

MODEL	PD-500450A	PD-500450A	PD-500450A
ASSY NO	SFP-6501A	SFP-6501A	SFP-6501A
OLLO07165	OLLO07165	OLLO07165	OLLO07165
R8501	OPEN	220k	220k
R8502	OPEN	220k	220k
R8503	OPEN	15k	15k
R8504	OPEN	15k	15k
R8505	OPEN	10k	10k
R8506	OPEN	10k	10k
R8507	OPEN	220k	220k
R8508	OPEN	220k	220k
R8509	OPEN	15k	15k
R8510	OPEN	15k	15k
R8511	OPEN	10k	10k
R8512	OPEN	10k	10k
R8513	OPEN	10k	10k
R8514	OPEN	10k	10k
R8402	0	OPEN	OPEN

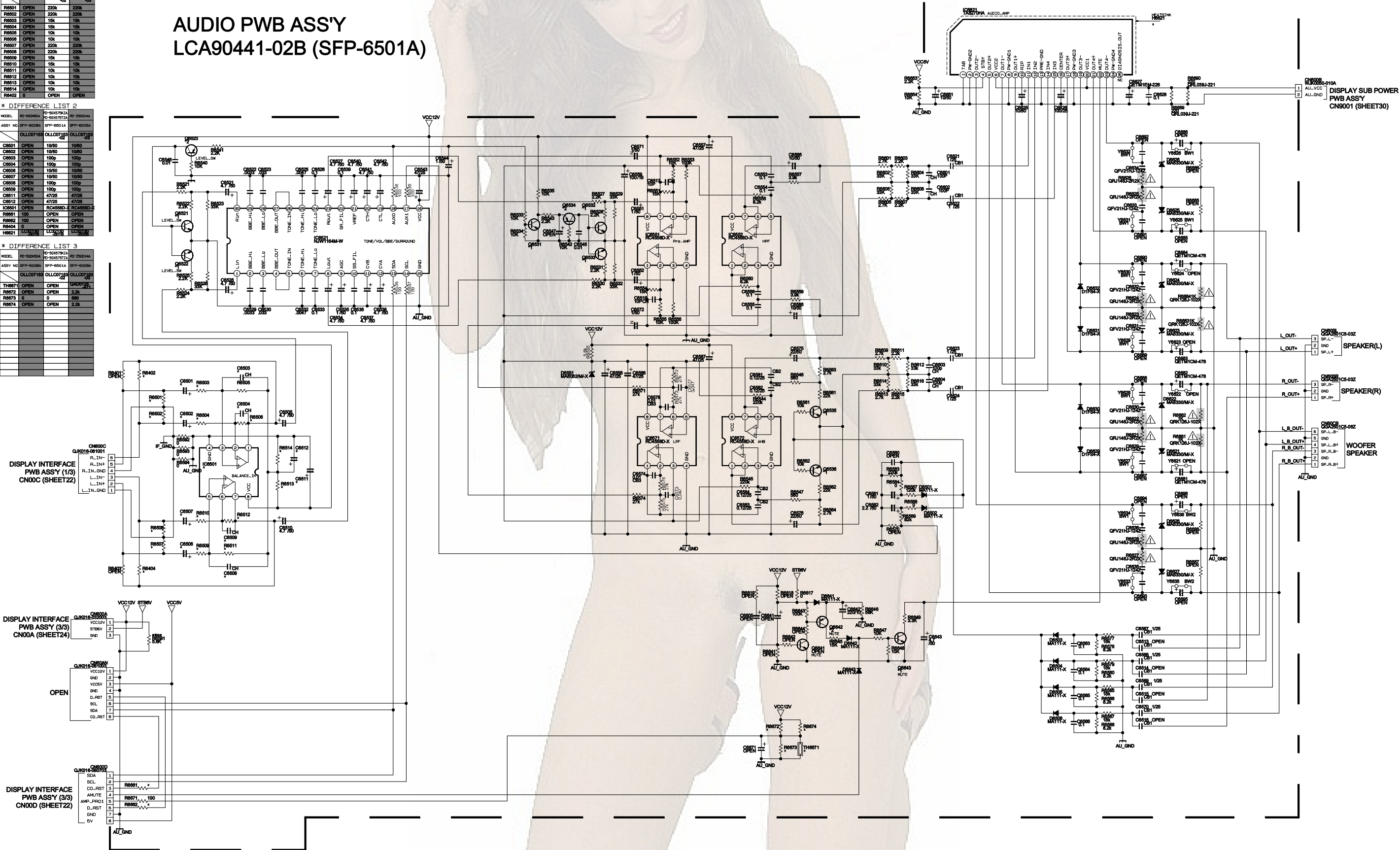
* DIFFERENCE LIST 2

MODEL	PD-500450A	PD-500450A	PD-500450A
ASSY NO	SFP-6501A	SFP-6501A	SFP-6501A
OLLO07165	OLLO07165	OLLO07165	OLLO07165
C8501	OPEN	100p	100p
C8502	OPEN	100p	100p
C8503	OPEN	100p	100p
C8504	OPEN	100p	100p
C8505	OPEN	100p	100p
C8506	OPEN	100p	100p
C8507	OPEN	100p	100p
C8508	OPEN	100p	100p
C8509	OPEN	100p	100p
C8510	OPEN	470p	470p
C8511	OPEN	470p	470p
C8512	OPEN	470p	470p
IC8501	OPEN	RC4558D-X	RC4558D-X
R8501	100	OPEN	OPEN
R8502	100	OPEN	OPEN
R8404	0	OPEN	OPEN
H8501	LC5011K	LC5011K	LC5011K

* DIFFERENCE LIST 3

MODEL	PD-500450A	PD-500450A	PD-500450A
ASSY NO	SFP-6501A	SFP-6501A	SFP-6501A
OLLO07165	OLLO07165	OLLO07165	OLLO07165
TH807	OPEN	OPEN	2.2k
R8572	OPEN	OPEN	2.2k
R8573	0	0	880
R8574	OPEN	OPEN	2.2k

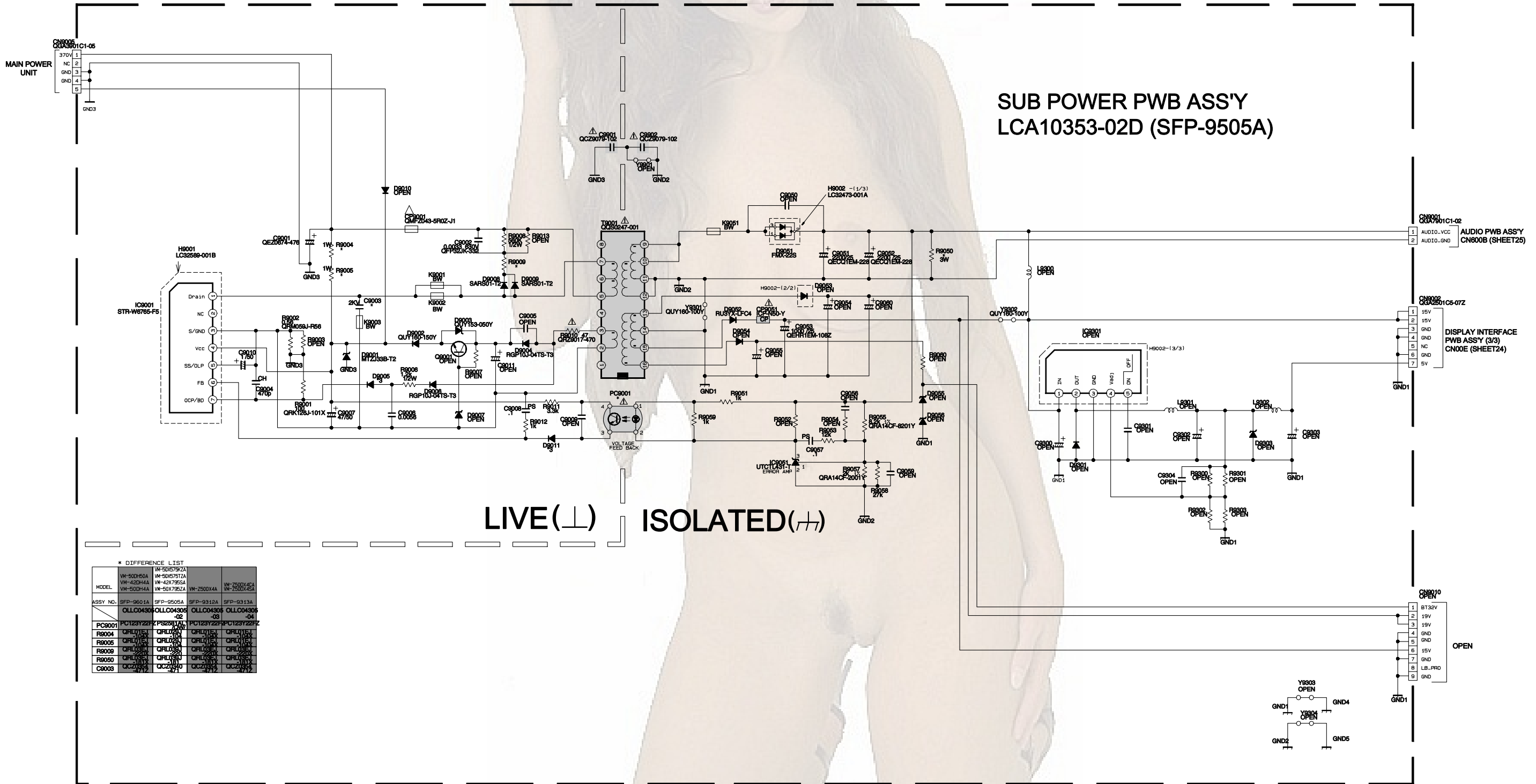
AUDIO PWB ASS'Y
LCA90441-02B (SFP-6501A)



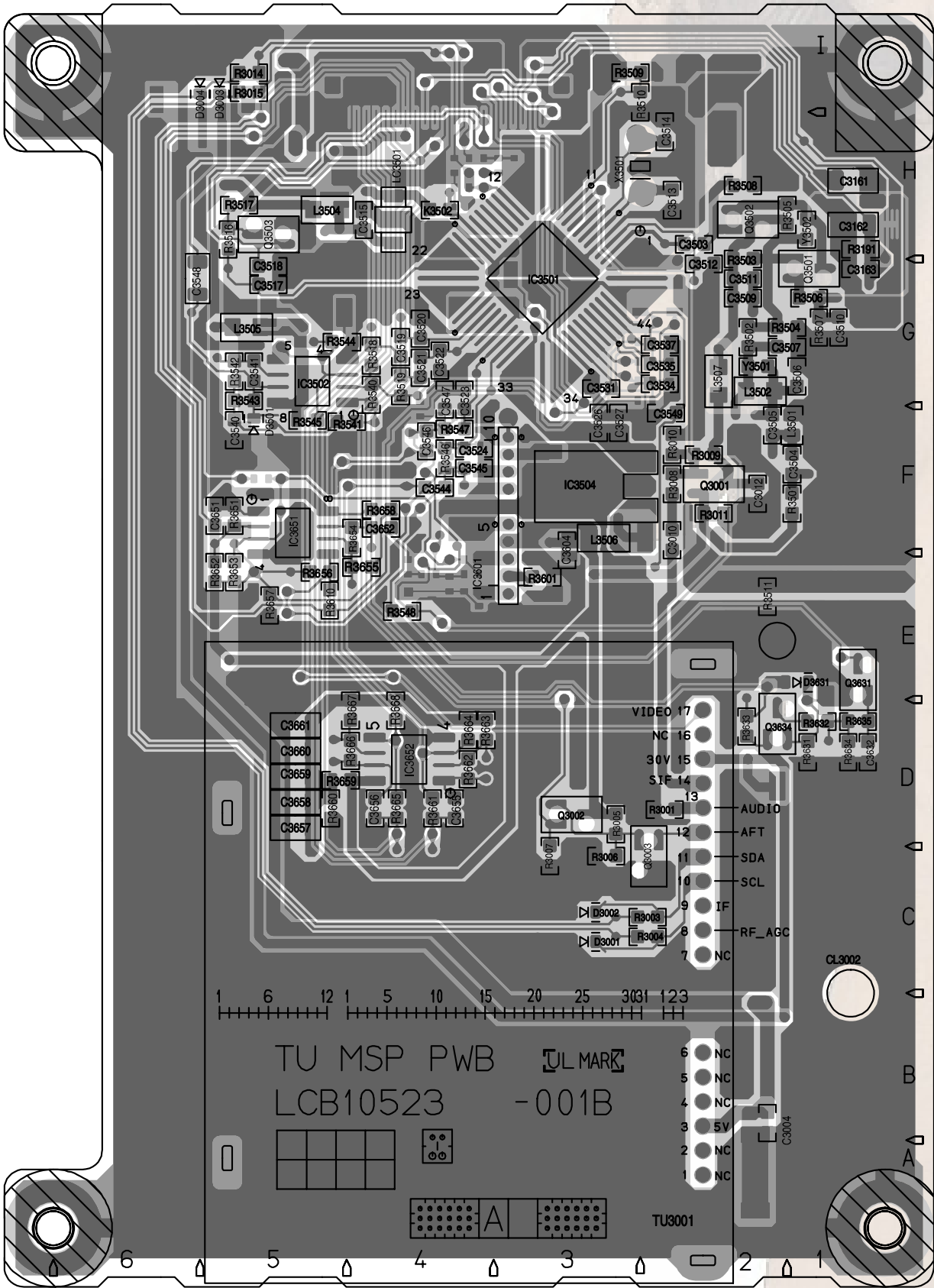
[illegible]

c30051001j_1130_1/1_0.0

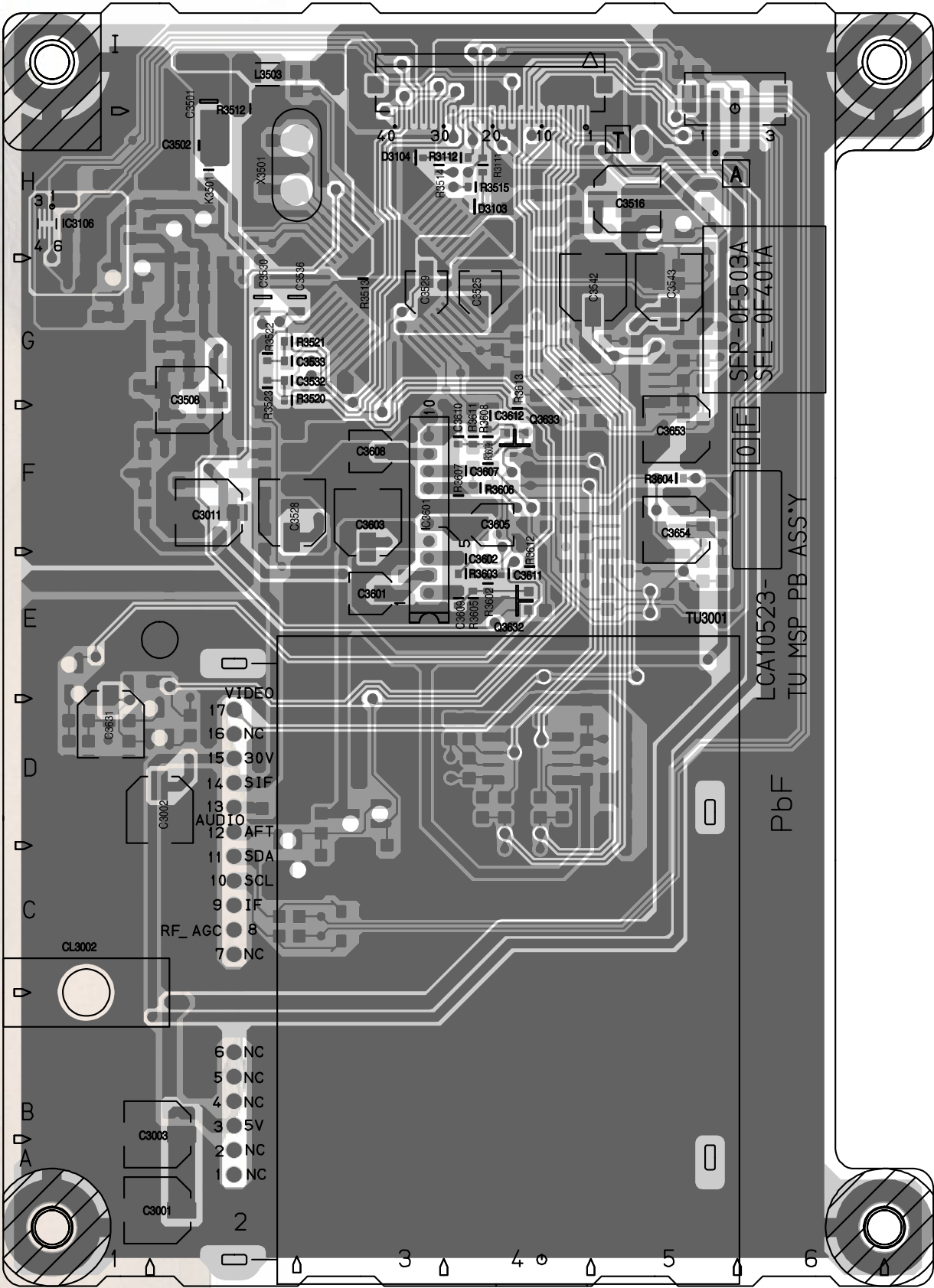




PATTERN DIAGRAMS
RECEIVER PWB PATTERN [SOLDER SIDE]

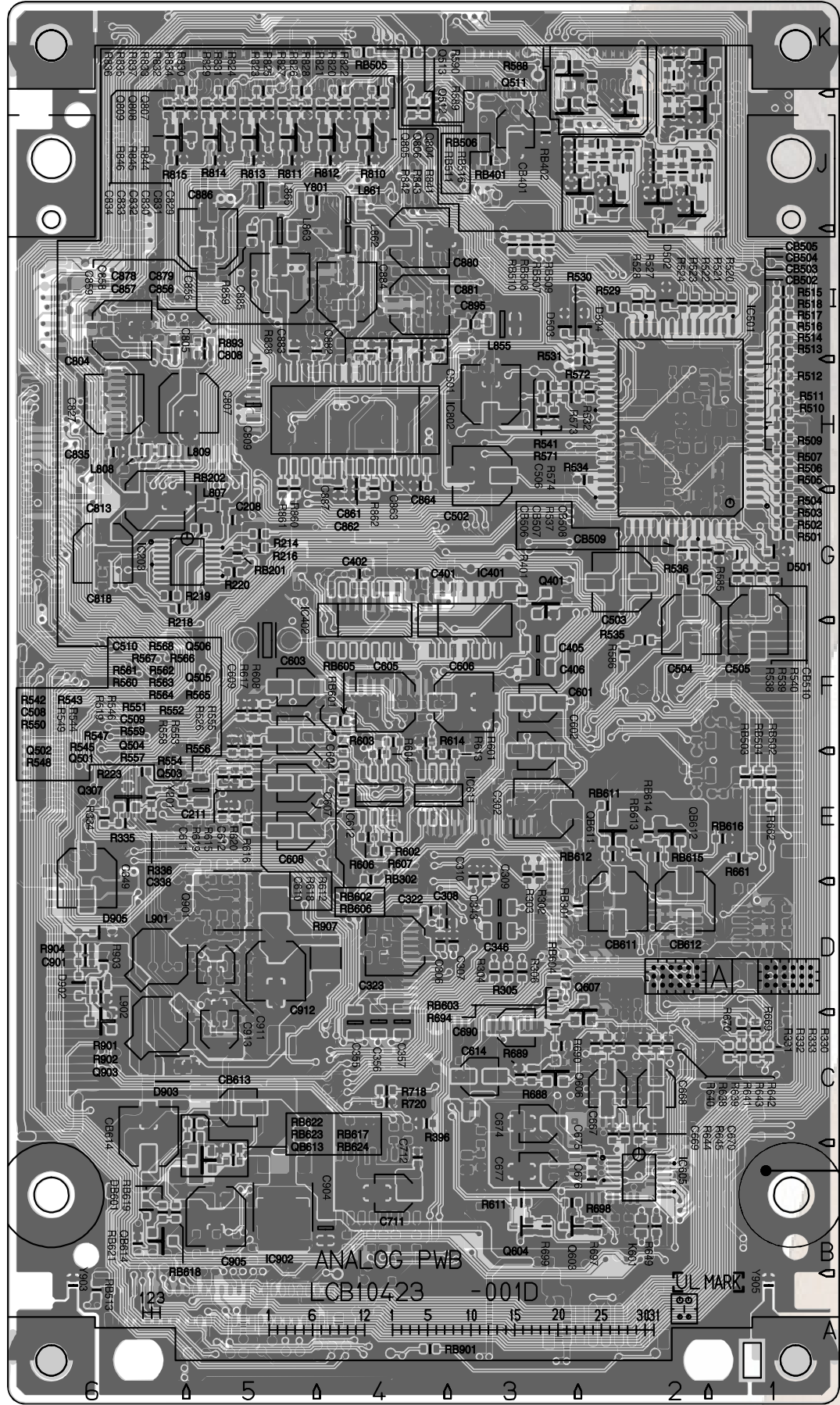


RECEIVER PWB PATTERN [PARTS SIDE]



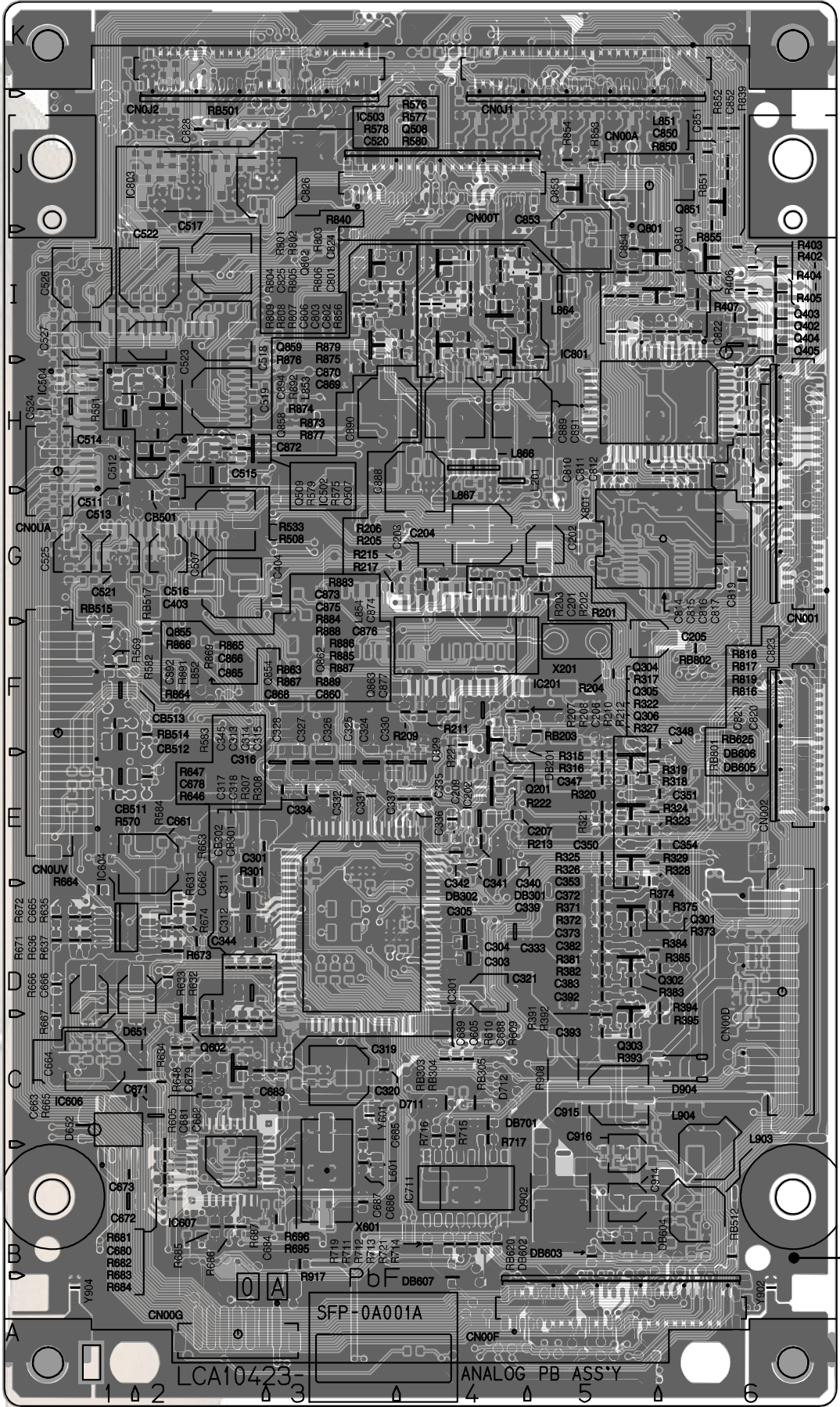
ANALOG SIGNAL PWB PATTERN [SOLDER SIDE]

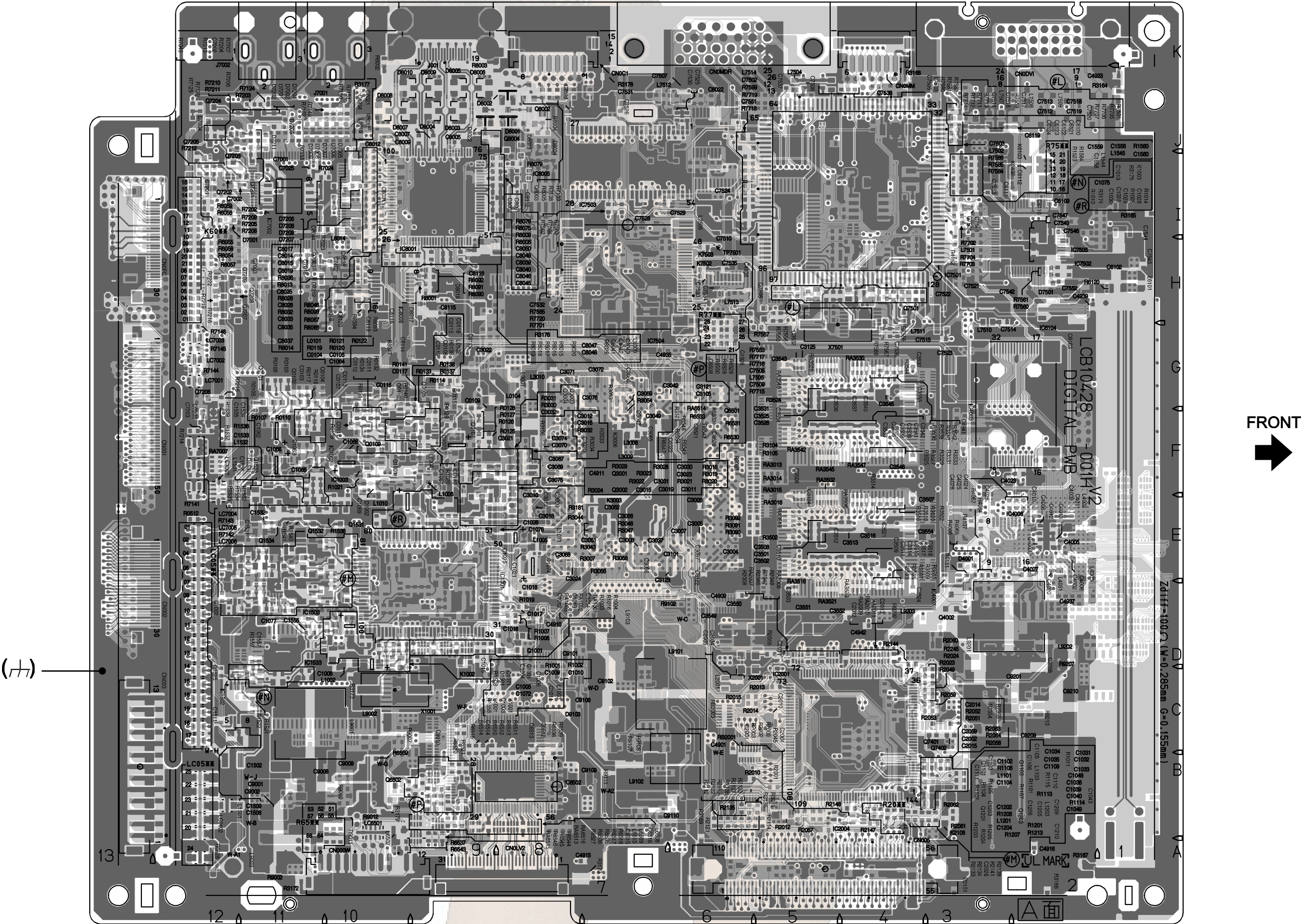
FRONT
↓



ANALOG SIGNAL PWB PATTERN [PARTS SIDE]

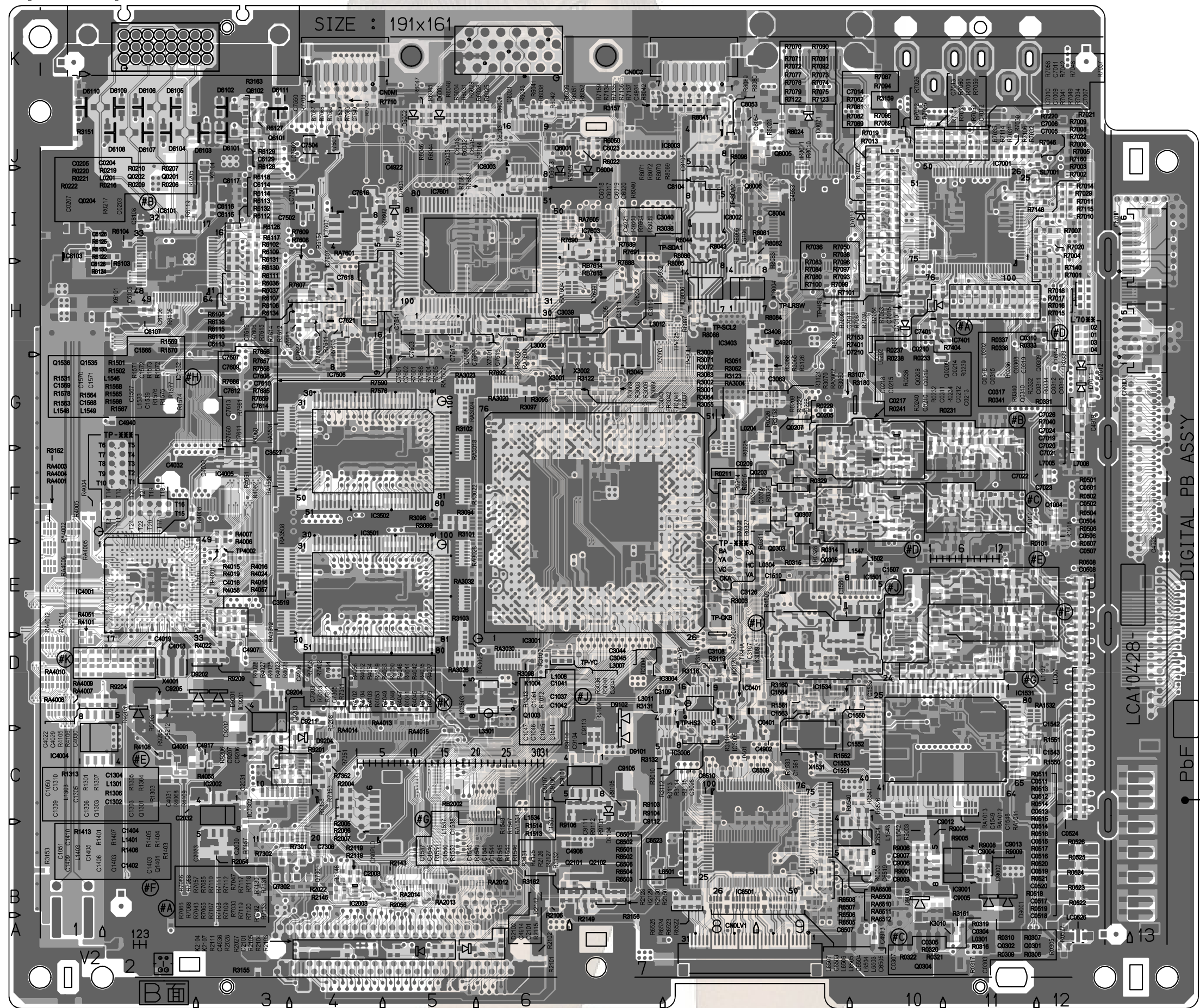
FRONT
↓





DIGITAL SIGNAL PWB PATTERN [PARTS SIDE]

FRONT
←

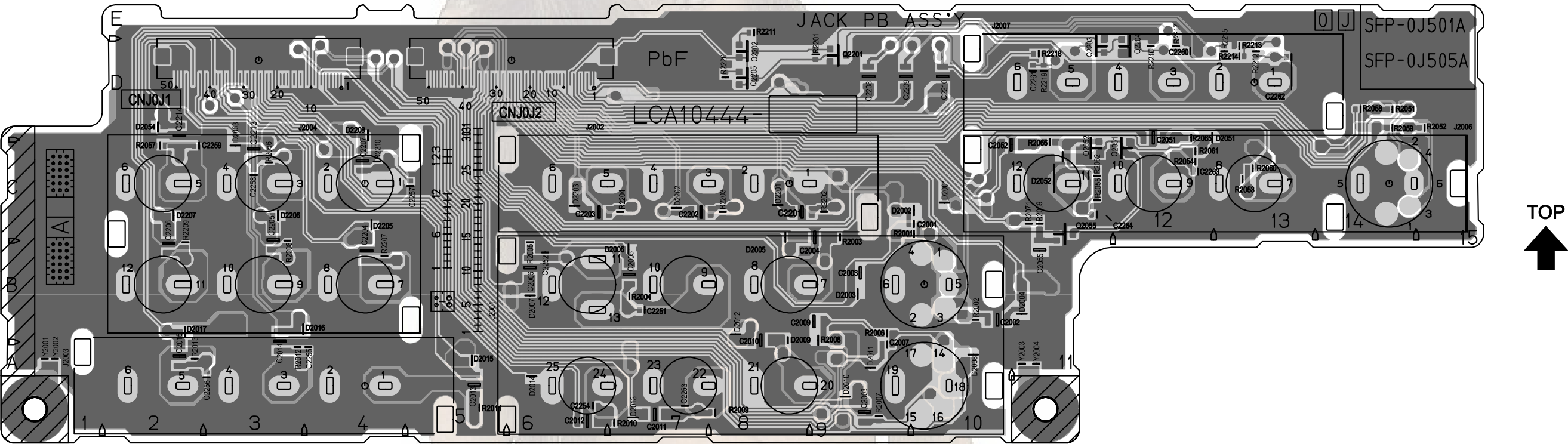


DIGITAL PB ASS'Y

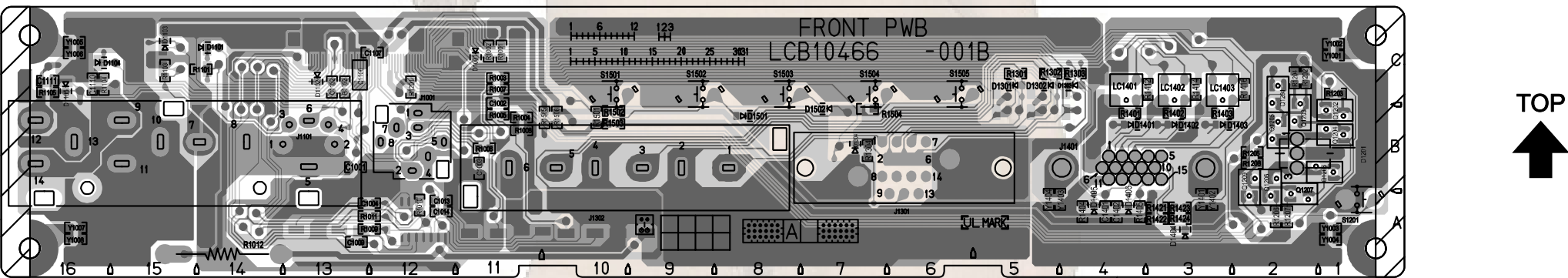
PbF

(H)

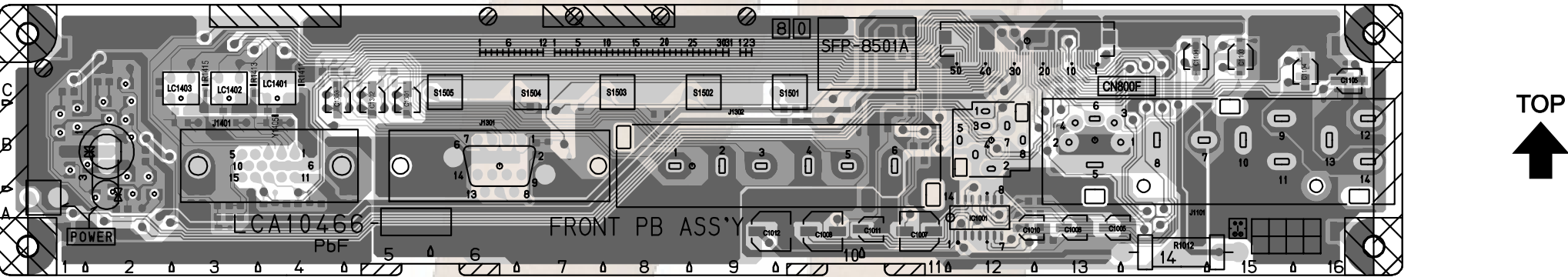
REAR JACK PWB PATTERN



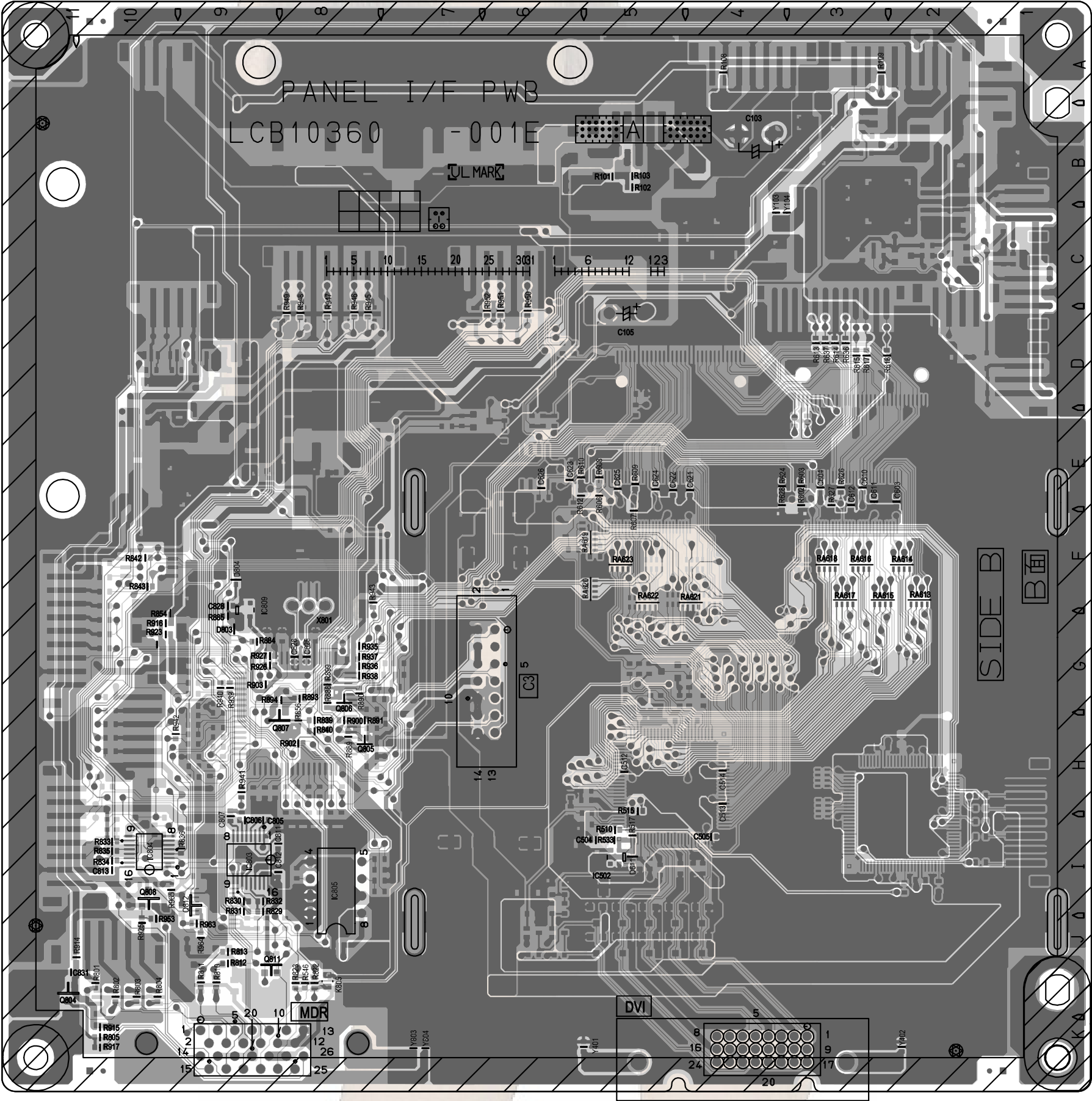
FRONT CONTROL PWB PATTERN [SOLDER SIDE]



FRONT CONTROL PWB PATTERN [PARTS SIDE]

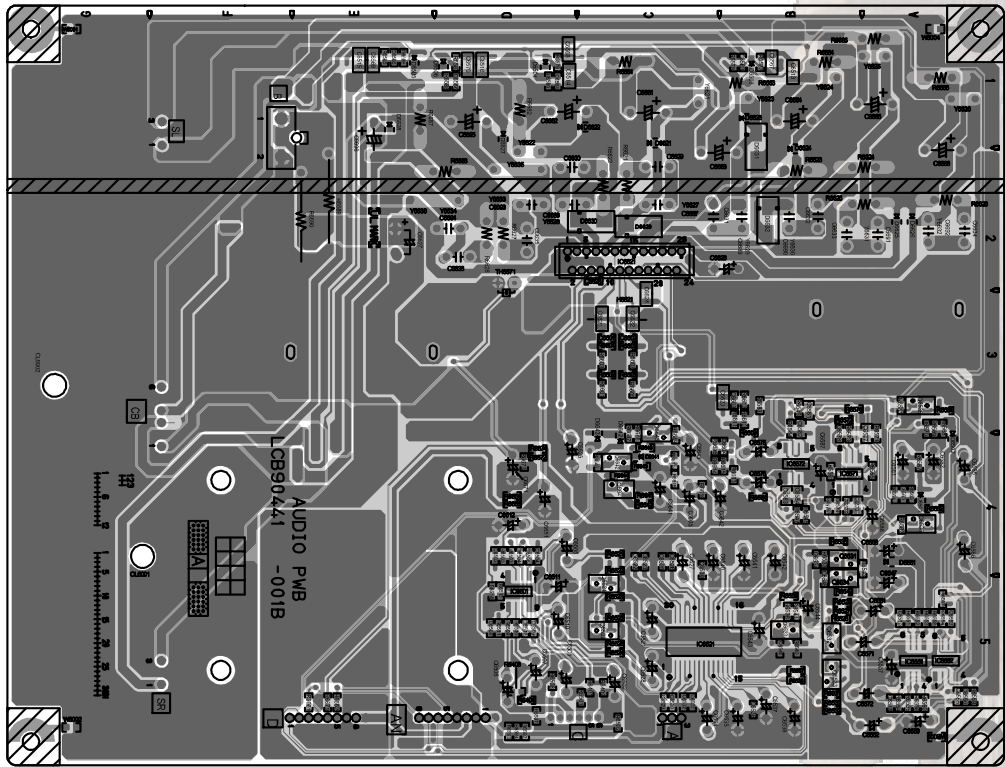


PATTERN DIAGRAMS [DISPLAY UNIT]
DISPLAY INTERFACE PWB PATTERN [SOLDER SIDE]



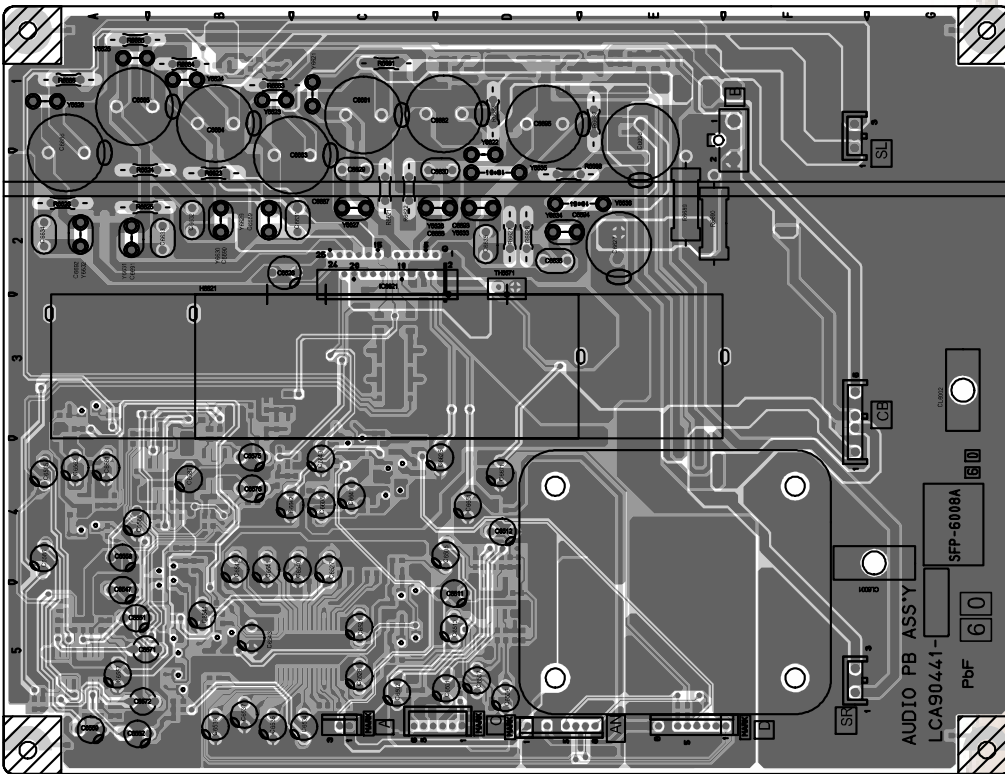
AUDIO PWB PATTERN [SOLDER SIDE]

FRONT
←

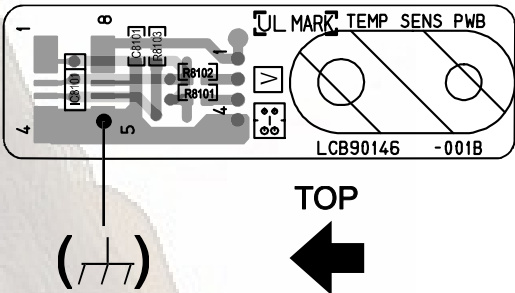


AUDIO PWB PATTERN [PARTS SIDE]

FRONT
←

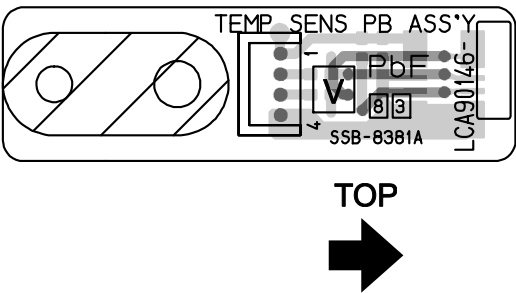


TEMP. SENSOR PWB PATTERN [SOLDER SIDE]



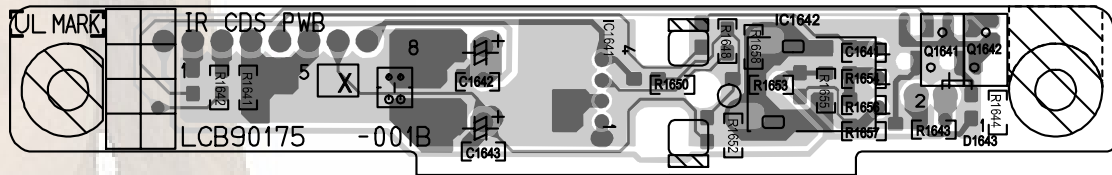
TOP
←

TEMP. SENSOR PWB PATTERN [PARTS SIDE]

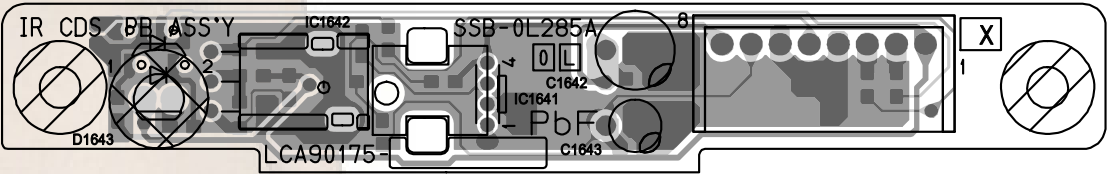


TOP
→

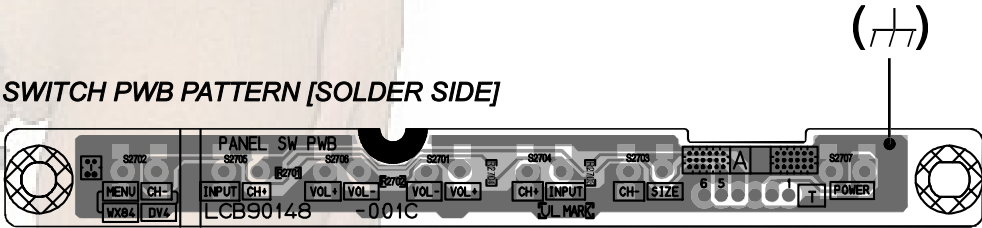
DISPLAY LED PWB PATTERN [SOLDER SIDE]



DISPLAY LED PWB PATTERN [PARTS SIDE]

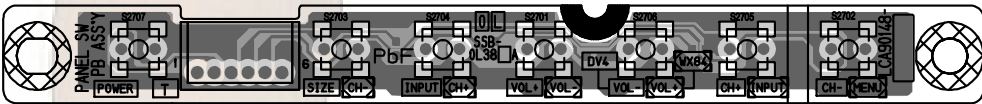


DISPLAY SWITCH PWB PATTERN [SOLDER SIDE]



FRONT
TOP
↖

DISPLAY SWITCH PWB PATTERN [PARTS SIDE]



FRONT
TOP
↗

VOLTAGE CHARTS [RECEIVER UNIT]

<RECEIVER PWB>

[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
IC3101	
1	4.1
2	4.1
3	4.1
4	4.1
5	4.6
6	0
7	0
8	4.0
9	4.0
10	4.1
11	3.9
12	5.5
13	4.1
14	1.3
15	1.3
16	0
17	0
18	4.2
19	8.9
20	0
21	2.6
22	4.1
23	4.0
24	4.0
25	4.1
26	4.1
27	0
28	1.7
29	4.0
30	4.1
31	1.7
32	4.1
33	4.0
34	4.1
35	4.0
36	4.1
37	4.0
38	4.0
39	4.1
40	1.7
41	1.1
42	4.1
43	4.1
44	4.1
45	4.0
46	4.1
47	4.1
48	4.1
IC3102	
1	4.4
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.8
IC3103	
1	4.4
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.8
IC3104	
1	4.0
2	4.4
3	4.1
4	4.4
5	0
6	0
7	0
8	4.4
9	4.0
10	4.2
11	4.1
12	8.8
13	8.8
14	8.8
IC3105	
1	4.4
2	4.3
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.8
Q3001	
E	2.3
C	0
B	1.7

MODE PIN NO.	DC (V)
Q3002	
E	1.8
C	8.8
B	2.3
Q3109	
E	0
C	8.8
B	0
Q3110	
E	0
C	0
B	3.3
Q3151	
E	4.7
C	0
B	4.1
Q3152	
E	4.7
C	0
B	4.1
TU3001	
1	2.2
2	1.9
3	4.9
4	5.0
5	4.9
6	0
7	5.0
8	4.9
9	31.2
10	0
11	0
12	0
13	5.0
14	1.5
15	0
16	1.7
17	2.2
18	0
19	2.2
20	0
21	0

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

MODE PIN NO.	DC (V)
IC711	
1	0
2	2.5
3	4.8
4	0.4
5	2.2
6	4.8
7	0.3
8	0
9	2.4
10	0
11	5.0
12	5.0
13	0
14	4.5
15	4.8
16	5.0
IC801	
1	2.3
2	1.9
3	1.4
4	0.2
5	2.2
6	5.0
7	2.5
8	0
9	0.2
10	0.8
11	2.4
12	5.0
13	4.8
14	4.8
15	0
16	0
17	0
18	0
19	0
20	2.4
21	1.8
22	1.8
23	1.8
24	0
25	2.2
26	1.9
27	2.2
28	0
29	0
30	0
31	0
32	4.9
33	2.2
34	0
35	2.4
36	0
37	0
38	4.0
39	1.7
40	3.2
41	2.0
42	4.8
43	1.8
44	2.0
45	0

MODE PIN NO.	DC (V)
11	4.9
12	0
13	5.0
14	0
15	4.5
16	4.8
17	0
18	0
19	2.5
20	5.0
21	0
22	2.9
23	2.8
24	3.3
25	3.3
26	0
27	3.7
28	1.5
Q402	
S	3.0
D	2.8
G	4.5
Q403	
S	3.0
D	2.9
G	4.8
Q404	
S	3.0
D	3.2
G	4.9
Q405	
S	3.0
D	3.0
G	4.9
Q801	
E	2.7
C	0
B	2.2
Q802	
E	2.6
C	0
B	2.0
Q810	
E	2.0
C	0
B	1.4
Q851	
E	1.8
C	0
B	1.0
Q853	
E	2.0
C	8.8
B	2.6
Q854	
E	2.6
C	8.8
B	3.3
Q855	
E	1.9
C	0
B	1.3
Q858	
E	3.0
C	8.8
B	3.6
Q859	
E	3.6
C	0
B	3.0
Q862	
E	1.0
C	4.0
B	1.5
Q863	
E	3.4
C	5.0
B	4.0

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

MODE PIN NO.	DC (V)
IC201	
1	0.3
2	0.2
3	0
4	0
5	0
6	0
7	6.0
8	0
9	4.8
10	0
11	8.7
12	1.2
13	0

MODE PIN NO.	DC (V)
14	0
15	0.1
16	0
17	0
18	0
19	0.8
20	0
21	4.5
22	4.5
23	0
24	2.0
25	1.2
26	2.1
27	0
28	0
29	0.2
30	5.0
IC202	
1	0.5
2	0.5
3	0
4	0.2
5	3.2
IC203	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	5.0
10	5.0
11	5.0
12	0
13	0
14	0
15	0
16	5.0
IC301	
1	4.8
2	4.5
3	4.5
4	0
5	4.8
6	0
7	4.8
8	4.9
9	4.8
10	4.3
11	4.4
12	4.4
13	0
14	4.8
15	0
16	4.8
17	4.9
18	4.8
19	0
20	4.4
21	4.4
22	0
23	4.4
24	4.4
25	0
26	4.3
27	4.3
28	0
29	0
30	4.3
31	8.8
32	4.4
33	4.5
34	0
35	4.4
36	4.4
37	0
38	4.5
39	0
40	4.4
41	4.4
42	0
43	4.5
44	4.5
45	0
46	4.5
47	8.9
48	4.8
49	0
50	4.3
51	0
52	4.8
53	0
54	4.4
55	4.4
56	0

MODE PIN NO.	DC (V)
57	4.8
58	0
59	4.8
60	0
61	4.5
62	4.3
63	4.4
64	4.4
65	0
66	4.8
67	4.5
68	4.5
69	0
70	4.4
71	4.4
72	0
73	5.0
74	4.8
75	4.8
76	4.8
77	0
78	4.3
79	4.4
80	0
IC811	
1	4.4
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.8
IC812	
1	4.4
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.8
Q307	
E	2.8
C	0
B	2.2

[P.2-19 - P.2-20]

MODE PIN NO.	DC (V)
1	4.9
2	3.2
3	0
Q901	
E	9.6
C	8.9
B	8.8

<REAR JACK PWB>

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

MODE PIN NO.	DC (V)
Q2055	
E	0
C	0
B	0
Q2201	
E	0
C	0
B	0
Q2203	
E	0
C	0
B	0
Q2204	
E	0
C	0
B	0
Q2205	
E	0
C	0
B	0

MODE PIN NO.	DC (V)
IC401	
1	3.2
2	0.2
3	0
4	3.2
5	3.3
Q0201	
E	3.7
C	7.7
B	4.4
Q0202	
E	8.4
C	4.9
B	7.8
Q0203	
E	0
C	1.8
B	1.9
Q1401	
E	3.8
C	9.0
B	4.4
Q1403	
E	2.5
C	0
B	1.9

MODE PIN NO.	DC (V)
Q1003	
E	1.4
C	2.5
B	2.0
Q1004	
E	4.2
C	0
B	3.7
Q1301	
E	3.8
C	9.0
B	4.5
Q1303	
E	2.5
C	0
B	1.9
Q1401	
E	3.8
C	9.0
B	4.4
Q1403	
E	2.5
C	0
B	1.9

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

MODE PIN NO.	DC (V)
IC3004	
1	3.3
2	3.3
3	0.1
4	0.2
5	0
6	0
7	0
8	0
9	0
10	3.5
11	0
12	0
13	0
14	0
15	3.2
16	5.0
IC3005	
1	0
2	0
3	0
4	0
5	3.3
IC3006	
1	3.3
2	0.1
3	0
4	0
5	0.2
6	0.2
7	3.3
8	3.3
IC3403	
1	0
2	3.3
3	0
4	3.3
IC3501	
1	1.2
2	2.5
3	1.2
4	1.2
5	0
6	1.2
7	1.1
8	2.4
9	1.2
10	1.2
11	0
12	1.2
13	1.2
14	2.5
15	2.5
16	0
17	1.2
18	1.2
19	0
20	1.2
21	1.2
22	2.4
23	0.4
24	0.4
25	1.7
26	1.7
27	1.7
28	0
29	0.7
30	0.6

MODE PIN NO.	DC (V)
31	0.7
32	0.7
33	0.7
34	0.7
35	2.5
36	0.8
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.6
46	0
47	0.7</

VOLTAGE CHARTS [DISPLAY UNIT]

<DISPLAY INTERFACE PWB>

[P.2-51-P.2-52]

MODE PIN NO.	DC (V)
IC801	
1	5.0
2	0
3	3.3
IC802	
1	12.1
2	0
3	5.0
IC803	
1	0
2	4.9
3	7.7
4	0
5	0
6	-5.7
7	-5.8
8	-4.4
9	4.9
10	4.9
11	0
12	0
13	0
14	-0.1
15	4.9
16	5.0
IC805	
1	0
2	0
3	0
4	0
5	4.8
6	4.8
7	0
8	4.9
IC807	
1	0
2	1.8
3	5.0
4	2.5
5	0
6	3.2
7	4.9
8	0
9	0
10	2.4
11	2.5
12	4.8
13	0
14	0
15	0
16	0
17	4.9
18	0
19	0
20	4.9
21	4.9
22	0
23	4.7
24	4.9
25	4.7
26	4.3
27	2.9
28	4.6
29	4.6
30	0
31	0
32	0
33	0
34	0
35	4.7
36	0
37	3.9
38	0
39	4.7
40	4.9
41	4.7
42	4.8
43	4.7
44	0
45	2.1
46	0
47	4.9
48	0
49	4.9
50	4.9
51	4.9
52	3.8
53	4.8
54	1.1
55	0
56	4.8
57	4.9
58	4.7
59	0
60	0
61	4.7

MODE PIN NO.	DC (V)
62	1.5
63	4.7
64	4.7
IC809	
1	4.9
2	5.0
3	0
4	0
Q803	
E	4.9
C	4.7
B	4.3
Q804	
E	0
C	0
B	0.6
Q805	
S	3.3
D	3.1
G	4.8
Q806	
S	3.3
D	3.3
G	4.8
Q807	
E	4.9
C	4.8
B	4.3
Q808	
E	0
C	5.0
B	0
Q811	
E	3.8
C	4.9
B	4.4
Q812	
E	0
C	4.9
B	0
Q813	
E	0
C	4.6
B	-0.2

MODE PIN NO.	DC (V)
IC501	
1	3.3
2	3.3
3	3.2
4	0
5	0
6	3.3
7	0
8	3.2
9	3.2
10	1.0
11	1.0
12	1.0
13	0.7
14	0.8
15	0.7
16	0.6
17	1.4
18	3.3
19	0
20	0.9
21	0.9
22	1.0
23	1.0
24	0.7
25	0.3
26	0.3
27	1.5
28	0
29	0
30	0.9
31	0.9
32	1.0
33	0.8
34	0.9
35	0
36	0.2
37	1.5
38	3.3
39	0
40	0.3
41	3.2
42	0
43	3.2
44	1.5
45	0
46	2.8
47	0

MODE PIN NO.	DC (V)
48	3.3
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	3.2
58	0
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	0
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	3.3
79	0
80	3.0
81	3.0
82	3.3
83	0
84	3.3
85	3.0
86	3.0
87	0
88	3.3
89	0
90	3.0
91	3.0
92	0
93	3.3
94	3.1
95	3.3
96	3.0
97	0
98	0
99	3.3
100	3.2
IC502	
1	3.3
2	3.3
3	0
4	0
IC801	
1	3.3
2	0.9
3	1.5
4	1.0
5	0
6	0.9
7	0
8	0
9	3.3
10	0.9
11	0.3
12	0.3
13	0
14	1.5
15	1.0
16	0.9
17	0
18	1.0
19	0.7
20	0.8
21	0
22	0.6
23	0.6
24	1.5
25	1.6
26	3.3
27	3.2
28	3.2
29	0
30	2.7
31	1.5
32	3.3
33	0
34	3.2
35	0
36	0
37	1.2

MODE PIN NO.	DC (V)
38	1.2
39	1.2
40	1.2
41	1.2
42	1.2
43	0
44	3.3
45	1.1
46	1.3
47	1.1
48	1.3
49	0
50	1.0
51	0.9
52	0.8
53	0
54	0.8
55	0.6
56	0.2
IC802	
1	3.3
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	3.3
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	1.6
26	3.2
27	3.3
28	3.2
29	0
30	2.8
31	1.5
32	3.3
33	0
34	3.3
35	0
36	0
37	0
38	0
39	1.4
40	0
41	1.1
42	1.3
43	0
44	0
45	0
46	2.5
47	0
48	0
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
Q501	
E	0
C	3.2
B	0
Q703	
S	3.3
D	3.1
G	4.8
Q704	
S	3.3
D	3.2
G	4.8
CN0AH1	
1	0
2	1.3
3	1.0
4	1.2
5	1.1
6	0
7	1.2

MODE PIN NO.	DC (V)
8	0.1
9	1.2
10	1.2
11	1.2
12	1.2
13	0
14	0
15	2.8
16	0.2
17	2.8
18	0.2
19	0
20	1.3
21	1.1
22	1.2
23	1.3
24	1.4
25	0.9
26	0
27	3.3
28	3.3
29	3.0
30	0
31	0
IC8501	
1	5.9
2	5.9
3	5.9
4	0
5	5.9
6	5.9
7	5.9
8	11.9
IC8521	
1	6.0
2	6.1
3	6.1
4	6.1
5	6.1
6	6.1
7	6.1
8	6.1
9	0.9
10	9.1
11	0
12	4.5
13	4.3
14	0
15	0
16	12.1
17	0
18	0
19	5.8
20	5.9
21	6.1
22	6.1
23	6.1
24	6.1
25	6.1
26	6.1
27	6.1
28	6.1
29	6.1
30	6.0
IC8551	
1	6.0
2	6.2

MODE PIN NO.	DC (V)
IC101	
1	15.9
2	3.3
3	0
4	1.2
5	6.2
IC102	
1	15.9
2	0
3	12.1
IC401	
1	15.2
2	15.2
3	10.7
4	2.5
5	0
Q410	
E	0
C	4.8
B	0.3

MODE PIN NO.	DC (V)
IC6501	
1	5.9
2	5.9
3	5.9
4	0
5	5.9
6	5.9
7	5.9
8	11.9
IC6521	
1	6.0
2	6.1
3	6.1
4	6.1
5	6.1
6	6.1
7	6.1
8	6.1
9	0.9
10	9.1
11	0
12	4.5
13	4.3
14	0
15	0
16	12.1
17	0
18	0
19	5.8
20	5.9
21	6.1
22	6.1
23	6.1
24	6.1
25	6.1
26	6.1
27	6.1
28	6.1
29	6.1
30	6.0
IC6551	
1	6.0
2	6.2

MODE PIN NO.	DC (V)
3	6.1
4	0
5	6.1
6	6.2
7	6.0
8	12.0
IC8552	
1	6.0
2	6.0
3	6.2
4	0
5	6.2
6	6.1
7	6.1
8	12.1
IC8571	
1	6.0
2	6.0
3	6.2
4	0
5	6.1
6	6.0
7	6.0
8	12.1
IC8572	
1	6.0
2	6.0
3	6.1
4	0
5	6.1
6	6.0
7	6.0
8	12.1
IC8621	
1	0
2	0
3	10.3
4	4.1
5	10.2
6	13.4
7	3.4
8	0
9	3.4
10	10.0
11	2.7
12	2.8
13	0
14	2.8
15	2.6
16	6.6
17	3.4
18	0
19	3.4
20	13.4
21	10.2
22	4.2
23	10.2
24	0
25	1.0
Q8521	
E	0
C	0
B	-0.1
Q8522	
E	0
C	0
B	-0.1
Q8523	
E	0
C	-0.1
B	0
Q8531	
E	0
C	2.8
B	0
Q8532	
E	0
C	0
B	0.6
Q8533	
E	0
C	0
B	0.6
Q8534	
E	0.7
C	0.8
B	0.1
Q8535	
E	0
C	0
B	-0.2
Q8536	
E	0
C	0
B	-0.2

MODE PIN NO.	DC (V)
Q8642	
E	4.5
C	0
B	4.9
Q8643	
E	0
C	4.2
B	0

<TEMP. SENSOR PWB>

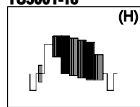
[P.2-59]

MODE

WAVEFORMS

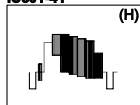
[RECEIVER UNIT]

RECEIVER PWB
(SHEET1)
TU3001-18

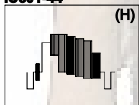


ANALOG SIGNAL PWB (1/5)
(SHEET2)

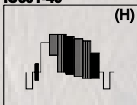
IC501-41



IC501-44



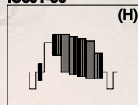
IC501-49



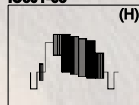
IC501-53



IC501-56

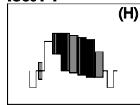


IC501-63



ANALOG SIGNAL PWB (2/5)
(SHEET3)

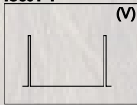
IC801-1



IC801-3



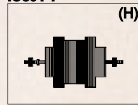
IC801-4



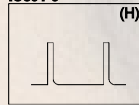
IC801-5



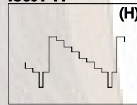
IC801-7



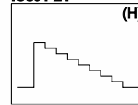
IC801-9



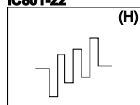
IC801-11



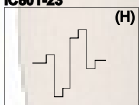
IC801-21



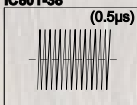
IC801-22



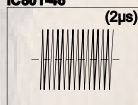
IC801-23



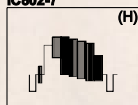
IC801-38



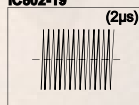
IC801-46



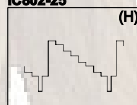
IC802-7



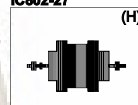
IC802-19



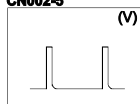
IC802-25



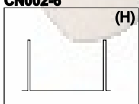
IC802-27



CN002-5



CN002-6



CN002-8



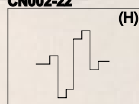
CN002-10



CN002-20



CN002-22



CN002-26

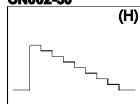


CN002-28

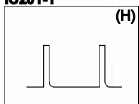


ANALOG SIGNAL PWB (3/5)
(SHEET4)

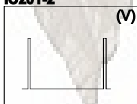
CN002-30



IC201-1



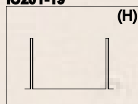
IC201-2



IC201-9



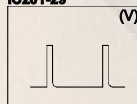
IC201-19



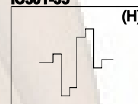
IC201-26



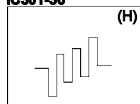
IC201-29



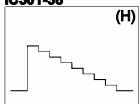
IC301-35



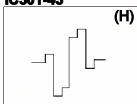
IC301-36



IC301-38



IC301-43



IC301-44



IC301-46



IC301-74



IC301-75

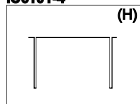


IC301-76

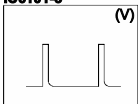


DIGITAL SIGNAL PWB (8/11)
(SHEET15)

IC6101-4



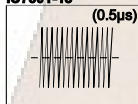
IC6101-5



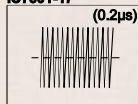
IC7601-13



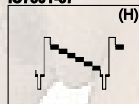
IC7601-15



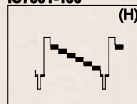
IC7601-17



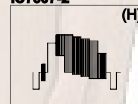
IC7601-97



IC7601-100



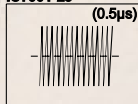
IC7607-2



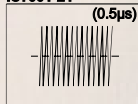
DIGITAL SIGNAL PWB (9/11)
(SHEET16)

DIGITAL SIGNAL PWB (10/11)
(SHEET17)

IC7001-23



IC7001-24



IC7001-78



[DISPLAY UNIT]

DISPLAY INTERFACE PWB (1/3)
(SHEET23)

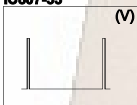
IC807-10



IC807-11

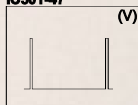


IC807-53

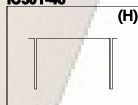


DISPLAY INTERFACE PWB (2/3)
(SHEET24)

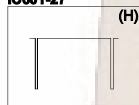
IC501-47



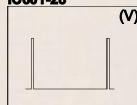
IC501-48

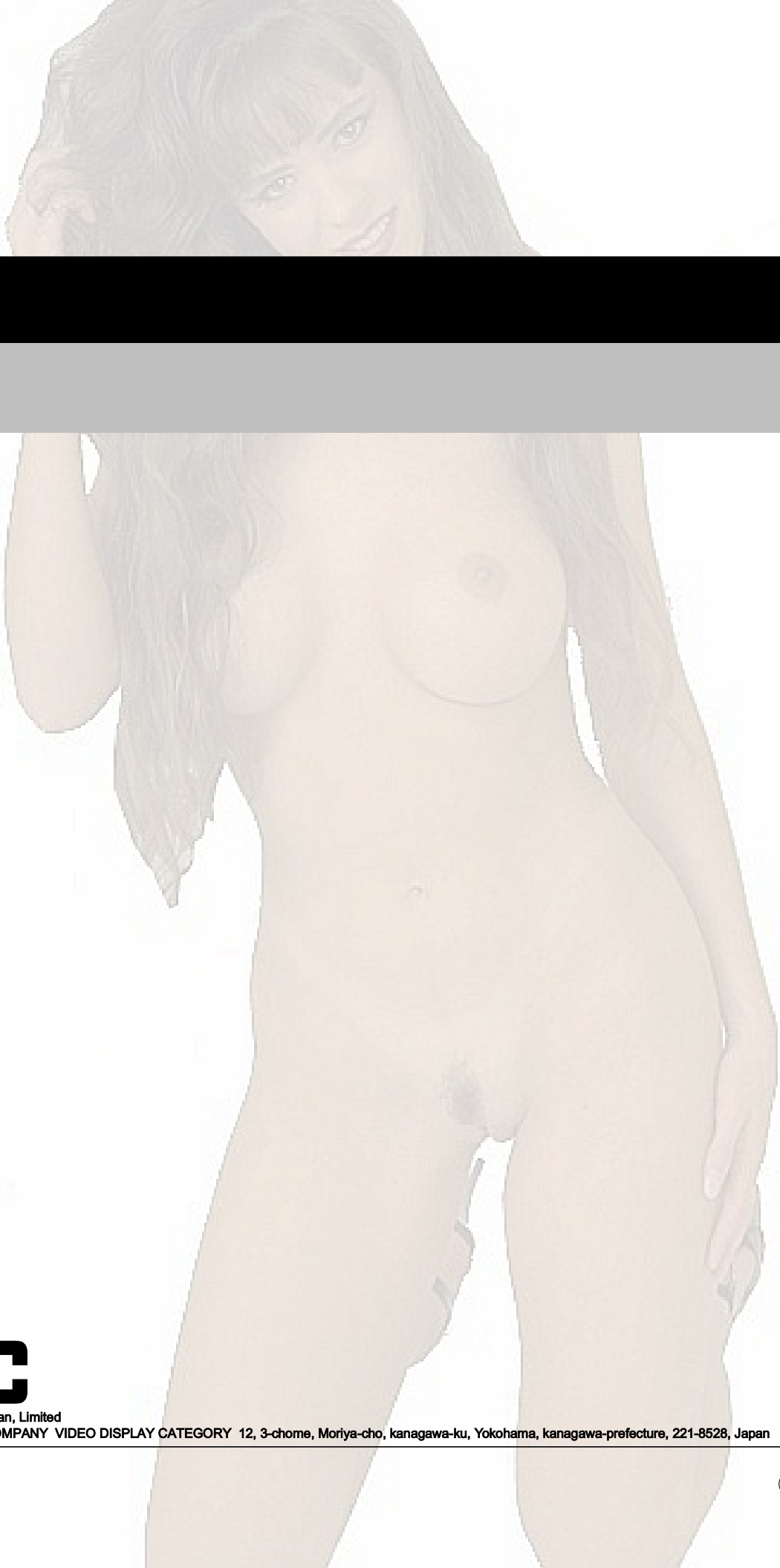


IC601-27



IC601-28





JVC

Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama, Kanagawa-prefecture, 221-8528, Japan

(No.YA238)



Printed in Japan
VPT

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%

CONTENTS

[DISPLAY UNIT : VM-50X575/K]

USING P.W. BOARD & REMOTE CONTROL UNIT	3
EXPLODED VIEW PARTS LIST -1	3
EXPLODED VIEW -1	4
EXPLODED VIEW PARTS LIST -2	5
EXPLODED VIEW -2	6
EXPLODED VIEW PARTS LIST -3	7
EXPLODED VIEW -3	7
PRINTED WIRING BOARD PARTS LIST	8
AUDIO PW BOARD ASS'Y (LCA90441-02B) (SFP-6501A)	8
DISPLAY INTERFACE PW BOARD ASS'Y (LCA10360-08D) (SFP-7508A)	9
TEMP SENSOR PW BOARD ASS'Y (LCA90146-06B) (SFP-8381A)	11
SUB POWER PW BOARD ASS'Y (LCA10353-02D) (SFP-9505A)	11
LINE FILTER PW BOARD ASS'Y (LCA90143-12B) (SFP-9521A)	12
DISPLAY LED PW BOARD ASS'Y (LCA90175-06B) (SFP-0L285A)	12
DISPLAY SWICH PW BOARD ASS'Y (LCA90148-06C) (SFP-0L385A)	12
REMOTE CONTROL UNIT PARTS LIST [RM-C1257G-1H]	13
PACKING PARTS LIST	13
PACKING	14

[RECEIVER UNIT : TU-50X575/K]

USING P.W. BOARD	15
EXPLODED VIEW PARTS LIST	15
EXPLODED VIEW	16
PRINTED WIRING BOARD PARTS LIST	17
FRONT CONTROL PW BOARD ASS'Y (LCA10466-05B) (SFP-8510A)	17
SYSTEM POWER PW BOARD ASS'Y (LCA10443-04A) (SFP-9516A)	17
REGULATOR PW BOARD ASS'Y (LCA10426-12C) (SFP-9520A)	18
ANALOG SIGNAL PW BOARD ASS'Y (LCA10423-09C) (SFP-0A504A)	18
DIGITAL SIGNAL PW BOARD ASS'Y (LCA10428-37H) (SFP-0D507A)	20
RECEIVER PW BOARD ASS'Y (LCA10523-03B) (SFP-0F505A)	26
REAR JACK PW BOARD ASS'Y (LCA10444-04C) (SFP-0J505A)	27
PACKING	29
PACKING PARTS LIST	29

[DISPLAY UNIT : VM-50X575/K]

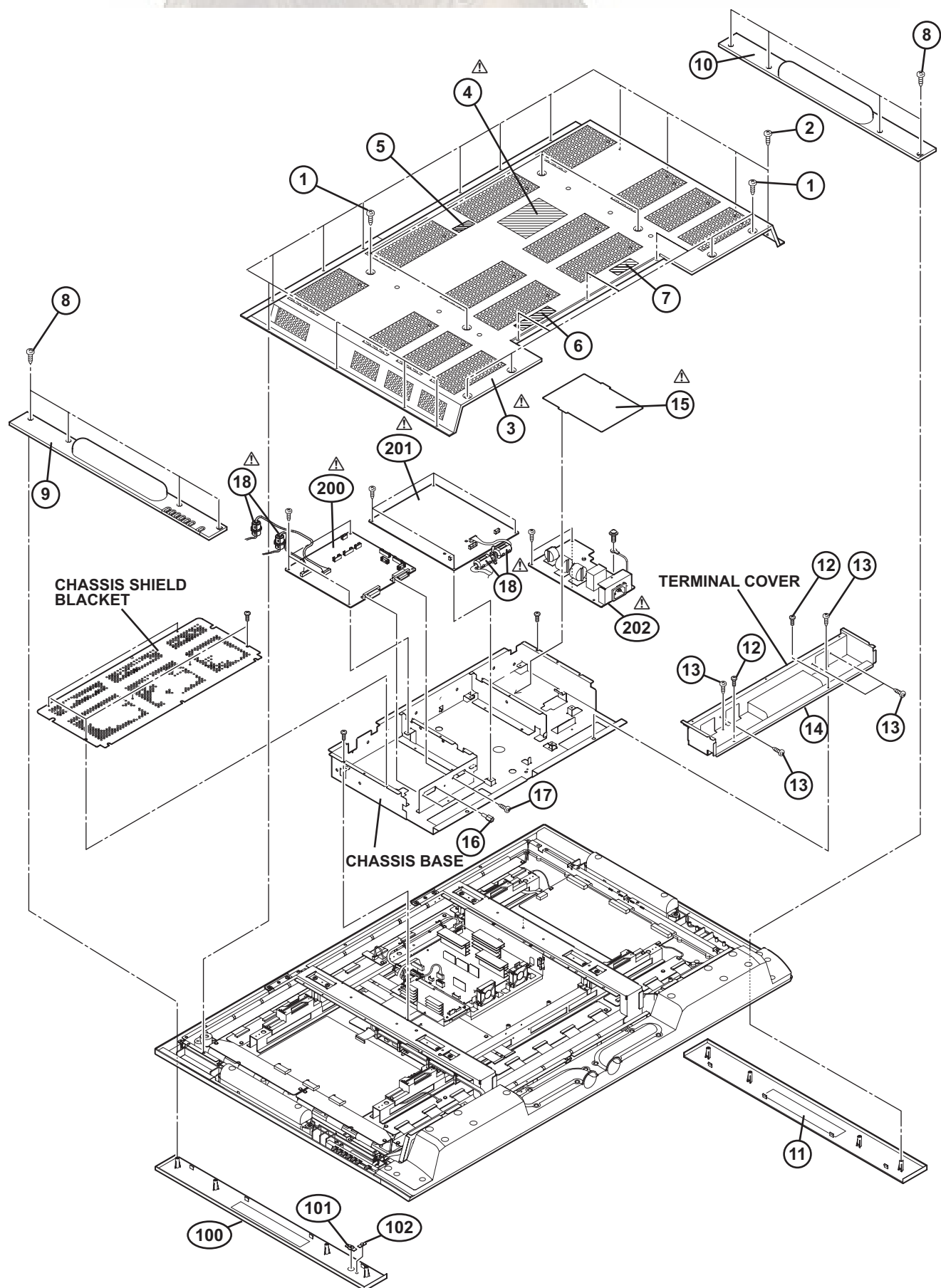
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.
AUDIO PWB	LCA90441-02B (SFP-6501A)
DISPLAY INTERFACE PWB	LCA10360-08D (SFP-7508A)
TEMP SENSOR PWB	LCA90146-06B (SFP-8381A)
SUB POWER PWB	LCA10353-02D (SFP-9505A)
LINE FILTER PWB	LCA90143-12B (SFP-9521A)
DISPLAY LED PWB	LCA90175-06B (SFP-0L285A)
DISPLAY SWICH PWB	LCA90148-06C (SFP-0L385A)
REMOTE CONTROL UNIT	RM-C1257G-1H

EXPLODED VIEW PARTS LIST -1

△ Ref.No.	Part No.	Part Name	Description	Local
1	LC42065-001A	SCREW	(x11)	
2	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x22)	
△ 3	LC11721-004A	REAR COVER		
△ 4	LC21594-001A-0L	RATING LABEL		
5	LC41693-001A	CAUTION LABEL		
6	LC41610-002A	TERMINAL LABEL		
7	LC41731-003A	INLET LABEL		
8	QYSBSFG4012MA	TAP SCREW	M4 x 12mm(x8)	
9	LC11722-001A	BACK COVER		
10	LC11722-002A	BACK COVER		
11	LC11717-002D	SPEAKER HOLDER(L)		
12	LC42065-001A	SCREW	(x2)	
13	LC42067-001A	SCREW	(x5)	
14	LC11675-001C	TERMINAL COVER ASSY		
△ 15	LC32472-001A	LINE FILTER INSULATOR		
16	QNB0036-001	HEX SCREW	(x2)	
17	QYSPSPL2608NA	SCREW	M2.6 x 8mm(x2)	
△ 18	QQR0491-001	FERRITE CORE	(x4)	
100	LC32509-002A	SPEAKER HOLDER ASSY	Inc.101/102	
101	LC41631-001B	EE LENS		
102	LC32408-001D	LED LENS		
△ 200	LCA10360-08D	DISPLAY INTERFACE PWB		
△ 201	LCA90441-02B	AUDIO PWB		
△ 202	LCA90143-12B	LINE FILTER PWB		

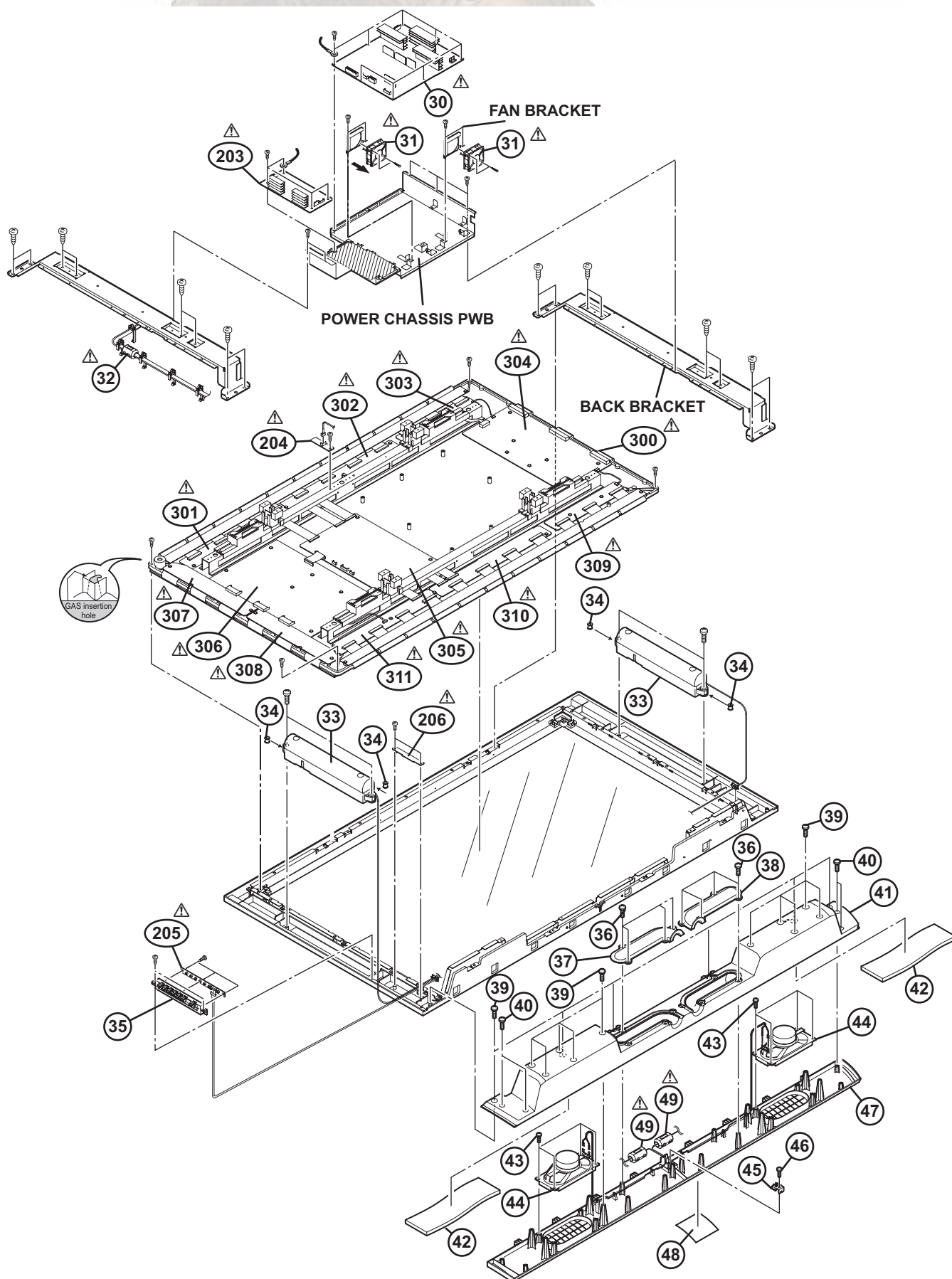
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

△ Ref.No.	Part No.	Part Name	Description	Local
△ 30	QAL0557-004	MAIN POWER UNIT		
△ 31	QAR0315-001	COOLING FAN	(x2)	
△ 32	QQR0491-001	FERRITE CORE		
33	LC41683-002A	DD SPEAKER ASSY	(x2)	
34	LC40226-003A-H	SPACER	(x4)	
35	LC21378-001C	CONTROL KNOB		
36	QYSBSFG4035MA	TAP SCREW	M4 x 35mm(x8)	
37	LC21377-002B	DUCT COVER R		
38	LC21377-001B	DUCT COVER L		
39	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x16)	
40	QYSBSFG4012MA	TAP SCREW	M4 x 12mm(x4)	
41	LC11724-001B	WOOFER BACK COVER		
42	LC32515-001A	DOME ABSORBER	(x2)	
43	QYSBSFG4016ZA	TAP SCREW	M4 x 16mm(x8)	
44	QAS0154-001	SPEAKER	(x2)	
45	LC32525-002A	WIRE BRACKET		
46	QYSBSFG4012ZA	TAP SCREW	M4 x 12mm	
47	LC11749-001C	WOOFER SPEAKER HOLDER ASSY		
48	LC32433-001B	BRAND PLATE		
△ 49	QQR0675-001	CORE FILTER	(x2)	
△ 203	LCA10353-02D	SUB POWER PWB		
△ 204	LCA90146-06B	TEMP SENSOR PWB		
△ 205	LCA90148-06C	DISPLAY SWICH PWB		
△ 206	LCA90175-06B	DISPLAY LED PWB		
△ 300	QLE0036-001	PDP UNIT	Inc.301-311	
△ 301	LG-6871QLH035C	X LEFT TOP PWB		
△ 302	LG-6871QXH024C	X CENTER TOP PWB		
△ 303	LG-6871QRH041C	X RIGHT TOP PWB		
△ 304	LG-6871QZH043B	Z SUS PWB		
△ 305	LG-6871QCH044A	LVDS CONTROL PWB		
△ 306	LG-6871QYH038B	Y SUS PWB		
△ 307	LG-6871QDH080A	Y DRIVER UPPER PWB		
△ 308	LG-6871QDH081A	Y DRIVER LOWER PWB		
△ 309	LG-6871QRH042C	X RIGHT BOTTOM PWB		
△ 310	LG-6871QXH025C	X CENTER BOTTOM PWB		
△ 311	LG-6871QLH036C	X LEFT BOTTOM PWB		

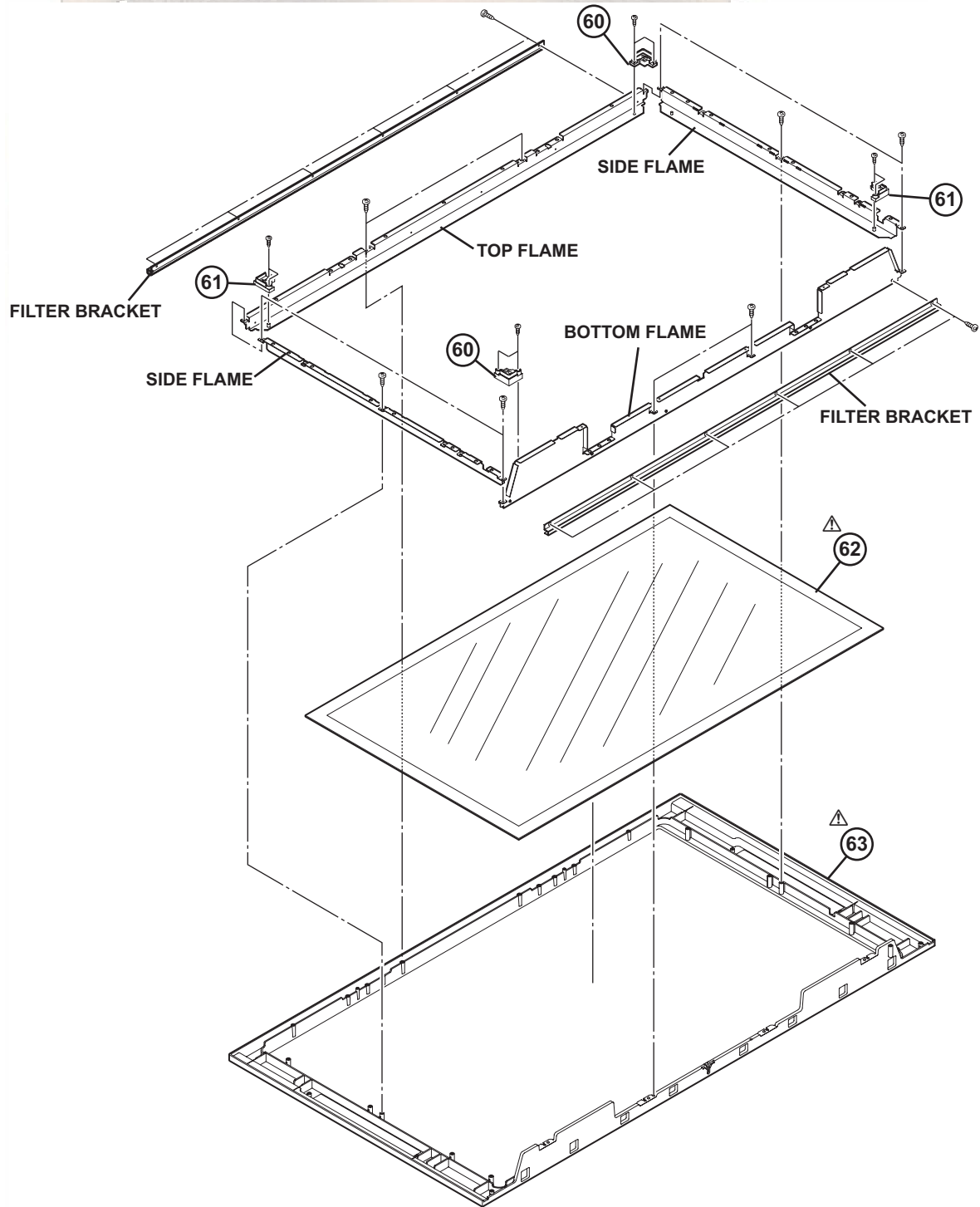
EXPLODED VIEW -2



EXPLODED VIEW PARTS LIST -3

△ Ref.No.	Part No.	Part Name	Description	Local
60	LC32466-001A	SPACER	(x2)	
61	LC32466-002A	SPACER	(x2)	
△ 62	LC32655-001A	FRONT FILTER		
△ 63	LC11712-002A	FRONT PANEL		

EXPLODED VIEW -3



PRINTED WIRING BOARD PARTS LIST

AUDIO PW BOARD ASS'Y (LCA90441-02B) (SFP-6501A)

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
IC6501	RC4558D-X	IC			C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
IC6521	NJW1164M-W	IC			C6551	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
IC6551	RC4558D-X	IC			C6552	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
IC6552	RC4558D-X	IC			C6553	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
IC6571	RC4558D-X	IC			C6554	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
IC6572	RC4558D-X	IC			C6555	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
IC6621	TA8270HA	IC			C6556	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
					C6557	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
Q6521	2SC3928A/QR/-X	TRANSISTOR			C6558	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
Q6522	2SC3928A/QR/-X	TRANSISTOR			C6559	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
Q6523	2SA1530A/QR/-X	TRANSISTOR			C6561	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
Q6531	2SC3928A/QR/-X	TRANSISTOR			C6562	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
Q6532	2SC3928A/QR/-X	TRANSISTOR			C6563	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
Q6533	2SC3928A/QR/-X	TRANSISTOR			C6564	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
Q6534	2SA1530A/QR/-X	TRANSISTOR			C6565	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
Q6535	2SC3928A/QR/-X	TRANSISTOR			C6566	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
Q6536	2SC3928A/QR/-X	TRANSISTOR			C6567	NCB11EK-105X	C CAPACITOR	1uF 25V K	
Q6642	2SA1530A/QR/-X	TRANSISTOR			C6568	NCB11EK-105X	C CAPACITOR	1uF 25V K	
Q6643	2SC3928A/QR/-X	TRANSISTOR			C6569	NCB11EK-105X	C CAPACITOR	1uF 25V K	
					C6570	NCB11EK-105X	C CAPACITOR	1uF 25V K	
D6501	MA111-X	SI DIODE			C6571	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
D6502	MA111-X	SI DIODE			C6572	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
D6503	MA111-X	SI DIODE			C6573	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
D6504	MA111-X	SI DIODE			C6574	NCB31HJ-103X	C CAPACITOR	0.01uF 50V J	
D6505	MA111-X	SI DIODE			C6575	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
D6506	MA111-X	SI DIODE			C6576	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
D6551	MA8062/M-X	Z DIODE			C6577	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
D6621	MA8330/M-X	Z DIODE			C6578	NCB31HJ-103X	C CAPACITOR	0.01uF 50V J	
D6622	MA8330/M-X	Z DIODE			C6581	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	
D6623	MA8330/M-X	Z DIODE			C6582	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	
D6624	MA8330/M-X	Z DIODE			C6583	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	
D6625	MA8330/M-X	Z DIODE			C6584	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	
D6626	MA8330/M-X	Z DIODE			C6585	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
D6627	MA8330/M-X	Z DIODE			C6586	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
D6628	MA8330/M-X	Z DIODE			C6587	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
D6629	D1FS4-X	SB DIODE			C6588	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
D6630	D1FS4-X	SB DIODE			C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D6631	D1FS4-X	SB DIODE			C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D6632	D1FS4-X	SB DIODE			C6603	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D6641	MA111-X	SI DIODE			C6604	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D6642	MA111-X	SI DIODE			C6621	NCB11EK-105X	C CAPACITOR	1uF 25V K	
D6643	MA111-X	SI DIODE			C6622	NCB11EK-105X	C CAPACITOR	1uF 25V K	
					C6623	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6501	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C6624	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6502	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C6625	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6503	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C6626	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C6504	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C6627	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C6505	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C6628	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6506	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C6629	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6507	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C6630	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6508	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C6631	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6509	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C6632	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6510	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C6633	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6511	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C6634	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6512	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C6635	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6517	NDC31HJ-100X	C CAPACITOR	10pF 50V J		C6636	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6518	NDC31HJ-100X	C CAPACITOR	10pF 50V J		C6642	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C6521	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C6643	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K		C6651	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K		C6681	QETM1CM-478	E CAPACITOR	4700uF 16V M	
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C6682	QETM1CM-478	E CAPACITOR	4700uF 16V M	
C6526	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C6683	QETM1CM-478	E CAPACITOR	4700uF 16V M	
C6527	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C6684	QETM1CM-478	E CAPACITOR	4700uF 16V M	
C6528	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R6501	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K		R6502	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K		R6503	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R6504	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C6533	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R6505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C6534	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R6506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C6535	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R6507	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C6536	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R6508	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
C6537	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R6509	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C6538	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R6510	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C6539	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R6511	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C6540	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R6512	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C6541	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R6513	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C6542	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R6514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C6543	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R6521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C6544	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R6522	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R6523	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
					R6524	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
					R6525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
					R6526	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R6527	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R6645	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6528	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R6646	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6529	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R6647	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6530	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R6648	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6531	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R6649	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R6653	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6654	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6671	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△R6681	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△R6682	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△R6683	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△R6684	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6689	QRL039J-221	OMF RESISTOR	220Ω 3W J	
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R6690	QRL039J-221	OMF RESISTOR	220Ω 3W J	
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN600A	QJK016-032003	SIN CR C-B WIRE		
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN600B	WJK0050-010A	E-SI C WIRE C-B		
R6544	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J		CN600D	QJK016-080703	SIN CR C-B WIRE		
R6545	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J		DISPLAY INTERFACE PW BOARD ASS'Y (LCA10360-08D) (SFP-7508A)				
R6546	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J						
R6547	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J						
R6551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		△Ref No.	Part No.	Part Name	Description	Local
R6552	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		IC101	PQ1CY1032Z-W	IC		
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		IC102	BA12FP-X	IC		
R6554	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		IC401	PQ20WZ11-X	IC		
R6555	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		IC501	SII169CT100	IC		
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		IC502	S-80828CLNB-G-W	IC		
R6557	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		IC601	THC63LVDM83R-W	IC		
R6558	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		IC602	THC63LVDM83R-W	IC		
R6559	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		IC801	BA33BC0FP-X	IC		
R6560	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		IC802	BA50BC0FP-X	IC		
R6561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		IC803	MAX3221CDB-X	IC		
R6562	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		IC805	ATE256-50X575T1	IC	(SERVICE)	
R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J		IC807	HD6433685B04H	IC(MCU)		
R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		IC809	S-80840CLNB-G-W	IC		
R6565	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		Q410	2SC3928A/QR/-X	TRANSISTOR		
R6567	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J		Q501	2SC3928A/QR/-X	TRANSISTOR		
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		Q703	2SK2090-X	MOS FET		
R6569	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		Q704	2SK2090-X	MOS FET		
R6571	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		Q803	2SA1530A/QR/-X	TRANSISTOR		
R6572	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		Q804	2SC3928A/QR/-X	TRANSISTOR		
R6573	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		Q805	2SK2090-X	MOS FET		
R6574	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		Q806	2SK2090-X	MOS FET		
R6575	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		Q807	2SA1530A/QR/-X	TRANSISTOR		
R6576	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		Q808	2SC3928A/QR/-X	TRANSISTOR		
R6577	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		Q811	2SC3928A/QR/-X	TRANSISTOR		
R6578	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		Q812	2SC3928A/QR/-X	TRANSISTOR		
R6579	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		Q813	2SC3928A/QR/-X	TRANSISTOR		
R6580	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		D101	EC30HA03L-X	SB DIODE		
R6581	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		D102	PTZ6.8B-X	Z DIODE		
R6582	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		D410	MA111-X	SI DIODE		
R6583	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		D412	MA111-X	SI DIODE		
R6584	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		D501	BAV99L-X	SI DIODE		
R6585	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		D502	BAV99L-X	SI DIODE		
R6586	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		D503	BAV99L-X	SI DIODE		
R6587	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		D504	BAV99L-X	SI DIODE		
R6588	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		D505	BAV99L-X	SI DIODE		
R6591	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		D506	BAV99L-X	SI DIODE		
R6592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		D507	BAV99L-X	SI DIODE		
R6593	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		D508	BAV99L-X	SI DIODE		
R6594	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		D509	BAV99L-X	SI DIODE		
R6601	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		D510	BAV99L-X	SI DIODE		
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		D611	MA8056/M/-X	Z DIODE		
R6603	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		D803	MA111-X	SI DIODE		
R6604	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		D804	MA8056/M/-X	Z DIODE		
R6605	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		D901	1SS355-X	SI DIODE		
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		D902	1SS355-X	SI DIODE		
R6607	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		C103	QETM1EM-477	E CAPACITOR	470uF 25V M	
R6608	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		C105	QETM0JM-108	E CAPACITOR	1000uF 6.3V M	
R6609	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		C108	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
R6610	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		C109	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
R6611	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		C112	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
R6612	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		C113	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
R6613	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		C114	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
R6614	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		C117	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
R6615	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		C401	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
R6616	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		C402	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
R6617	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		C404	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
△R6621	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J		C405	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
△R6622	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J						
△R6623	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J						
△R6624	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J						
△R6625	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J						
△R6626	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J						
△R6627	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J						
△R6628	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J						
R6643	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J						

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
C410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R528	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C501	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M		R529	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C502	NEHL0JM-107X	C CAPACITOR	100uF 6.3V M		R532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C503	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M		R533	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R535	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R536	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R537	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R540	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R541	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C510	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R542	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R543	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R544	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C514	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C516	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C517	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R604	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R605	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R606	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C601	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M		R608	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C602	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M		R609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C603	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R611	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C604	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R613	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R614	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R615	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R616	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R617	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C622	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C623	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R619	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R631	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R632	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C803	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M		R633	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C804	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R635	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C805	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R636	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C806	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R637	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C807	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C810	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M		R803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R804	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R805	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C814	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R806	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C815	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M		R807	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R808	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C821	NEHL1CM-106X	E CAPACITOR	10uF 16V M		R813	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C823	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		R814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C825	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C826	NDC31HJ-220X	C CAPACITOR	22pF 50V J		R816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C829	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M		R818	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R820	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R101	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D		R821	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R102	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D		R825	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R103	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R826	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R833	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R834	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R836	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R402	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R837	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R403	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R838	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R839	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R410	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R842	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R412	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R843	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R413	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R844	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R501	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		R846	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R847	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R505	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R848	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R506	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R849	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R507	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R850	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R510	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R851	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R852	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R512	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R853	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R854	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R518	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R519	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R860	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
					R861	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R863	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA610	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA611	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RA612	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R868	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA613	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R869	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA614	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R870	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA615	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA616	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R872	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA617	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R873	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA618	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R875	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L101	NQL63EM-680X	COIL		68uH M
R877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L501	NQR0351-001X	FERRITE BEADS		
R878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L601	NQR0351-001X	FERRITE BEADS		
R879	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L801	NQR0351-001X	FERRITE BEADS		
R880	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		L802	NQR0351-001X	FERRITE BEADS		
R881	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		K801	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		K803	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R883	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		K804	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R884	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		K805	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R885	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		X801	QAX0534-001	C RESONATOR	16.000MHz	
R886	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		TEMP SENSOR PW BOARD ASS'Y				
R887	NRSA63J-101X	MG RESISTOR	10kΩ 1/16W J		(LCA90146-06B) (SFP-8381A)				
R890	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		△Ref No.	Part No.	Part Name	Description	Local
R891	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		IC8101	TCN75-5.0MOA-X	IC		
R893	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		C8101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R894	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R8101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R8102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R8103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		SUB POWER PW BOARD ASS'Y				
R898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		(LCA10353-02D) (SFP-9505A)				
R899	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△Ref No.	Part No.	Part Name	Description	Local
R900	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		IC9001	STR-W6765-F5	IC		
R901	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		IC9051	UTCTL431-T	IC		
R902	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		D9001	MTZJ33B-T2	Z DIODE		
R904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		D9004	RGP10J-04TS-T3	SI DIODE		
R906	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		D9005	1SS133-T2	SI DIODE		
R908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		D9006	RGP10J-04TS-T3	SI DIODE		
R910	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		D9008	SARS01-T2	SI DIODE		
R911	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		D9009	SARS01-T2	SI DIODE		
R912	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		D9011	1SS133-T2	SI DIODE		
R914	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		D9051	FMX-22S	SI DIODE		
R915	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		D9052	RU3YX-LFC4	SI DIODE		
R917	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		C9001	QEZ0674-476	E CAPACITOR	47uF 450V M	
R918	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		C9002	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
R919	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		C9003	QCZ0340-471	C CAPACITOR	470pF 2kV K	
R920	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		C9004	QCS31HJ-471Z	C CAPACITOR	470pF 50V J	
R921	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		C9006	QCB31HK-562Z	C CAPACITOR	5600pF 50V K	
R923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		C9007	QEHR1HM-476Z	E CAPACITOR	47uF 50V M	
R924	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		C9008	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
R925	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		C9010	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
R926	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J		C9051	QECQ1EM-228	E CAPACITOR	2200uF 25V M	
R927	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		C9052	QECQ1EM-228	E CAPACITOR	2200uF 25V M	
R928	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		C9053	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	
R930	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		C9057	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
R932	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△C9901	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
R933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		△C9902	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
R934	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R9001	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R935	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9002	QRM059J-R56	MP RESISTOR	0.56Ω 5W J	
R936	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9004	QRL029J-104	OMF RESISTOR	100kΩ 2W J	
R937	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9005	QRL029J-104	OMF RESISTOR	100kΩ 2W J	
R938	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9006	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J	
R939	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9008	QRE121J-564Y	C RESISTOR	560kΩ 1/2W J	
R940	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9009	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R942	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△R9010	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J	
R943	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R9011	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R945	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9012	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R946	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9050	QRL039J-181	OMF RESISTOR	180Ω 3W J	
R947	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9051	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R948	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9053	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R949	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9055	QRA14CF-8201Y	CMF RESISTOR	8.2kΩ 1/4W F	
R950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R951	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R952	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R953	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R961	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R962	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R963	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J						
R964	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J						
R965	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J						
R967	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R968	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R969	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R974	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R976	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J						
R977	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J						
RA607	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4						
RA608	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4						
RA609	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4						

△Ref No.	Part No.	Part Name	Description	Local
R9057	QRA14CF-2001Y	CMF RESISTOR	2kΩ 1/4W F	
R9058	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R9059	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
△T9001	QQS0247-001	SW TRANSF		
△CP9001	QMFZ043-5R0Z-J1	FUSE	5A AC250V	
CP9051	ICP-N50-Y	IC PROTECTOR	2.0A	
△PC9001	PS2581AL1/QW/	PHOTO COUPLER		

LINE FILTER PW BOARD ASS'Y (LCA90143-12B) (SFP-9521A)

△Ref No.	Part No.	Part Name	Description	Local
△C9901	QFZ9081-225	MPP CAPACITOR	2.2uF 275V M	
△C9904	QFZ9075-224	MPP CAPACITOR	0.22uF AC275V M	
△C9912	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
△C9913	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
△C9915	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
△C9916	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
△R9902	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
CN90E1	QUB03K-08FPHM	SIN TWIST WIRE		
CN90PW	WJK0050-009A	E-SI C WIRE C-B		
△F9901	QMFZ041-100-J1	FUSE	10A 250V	
△J9901	QMCB006-C01	AC INLET		
△LF9901	QQR1281-002	LINE FILTER		
△LF9902	QQR1281-002	LINE FILTER		
△LF9903	QQR1376-001	LINE FILTER		
△LF9904	QQR1376-001	LINE FILTER		
△VA9901	ERZV10V621CS	ZNR		

DISPLAY LED PW BOARD ASS'Y (LCA90175-06B) (SFP-0L285A)

△Ref No.	Part No.	Part Name	Description	Local
IC1642	GP1UA261XK	IR DETECT UNIT	38kHz	
Q1641	2SC3928A/QR/-X	TRANSISTOR		
Q1642	2SC3928A/QR/-X	TRANSISTOR		
D1643	SEL2E10W	LED	POWER	
C1642	QER61CM-476Z	E CAPACITOR	47uF 16V M	
R1641	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1642	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1643	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1644	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1648	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1654	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

DISPLAY SWICH PW BOARD ASS'Y (LCA90148-06C) (SFP-0L385A)

△Ref No.	Part No.	Part Name	Description	Local
R2701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
S2701	QSW0619-003Z	TACT SWITCH	VOL+	
S2702	QSW0619-003Z	TACT SWITCH	CH-	
S2703	QSW0619-003Z	TACT SWITCH	MENU	
S2704	QSW0619-003Z	TACT SWITCH	INPUT	
S2705	QSW0619-003Z	TACT SWITCH	CH+	
S2706	QSW0619-003Z	TACT SWITCH	VOL-	
S2707	QSW0619-003Z	TACT SWITCH	POWER	

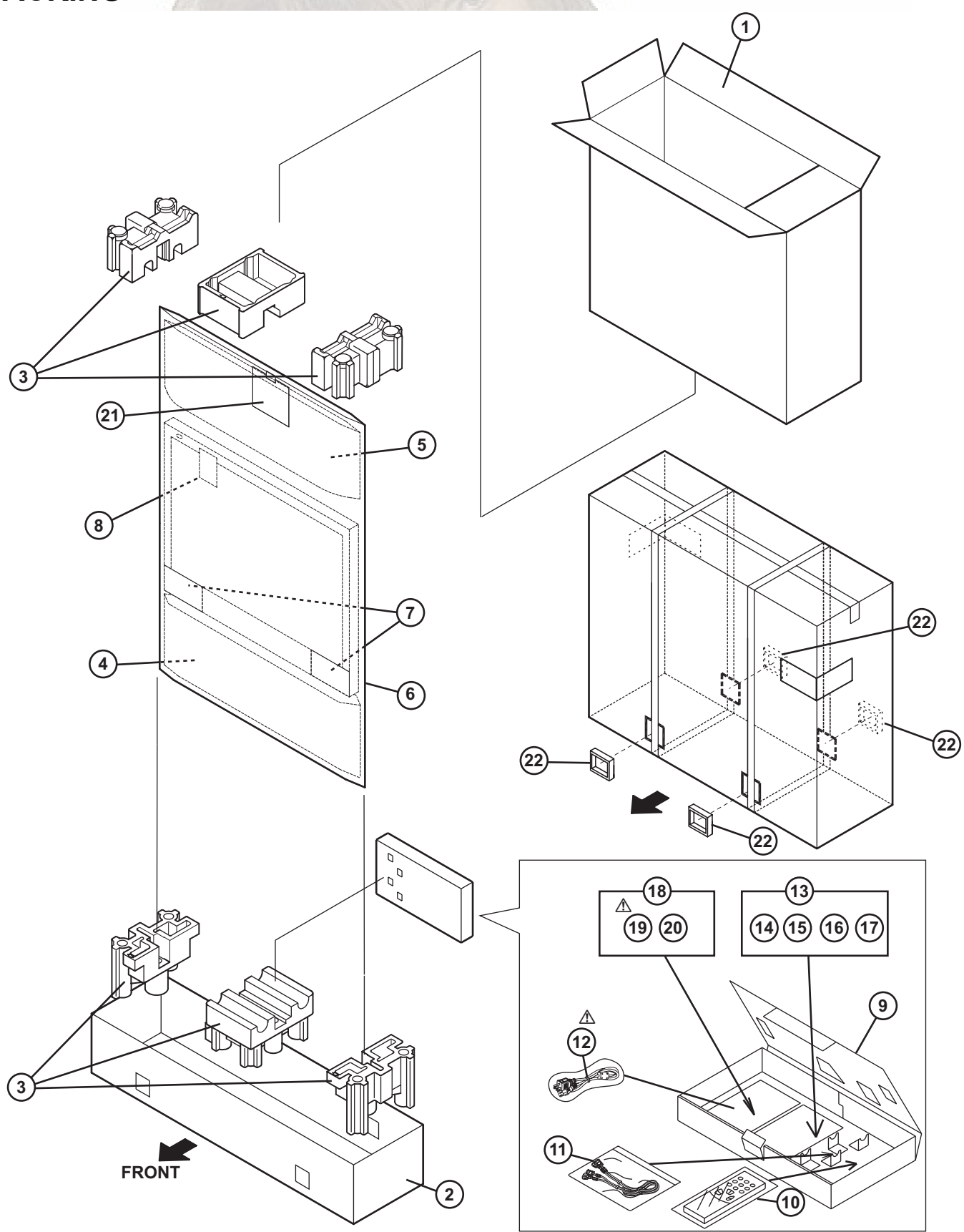
REMOTE CONTROL UNIT PARTS LIST [RM-C1257G-1H]

△ Ref.No.	Part No.	Part Name	Description	Local
	UR77EC0603	BATTERY COVER		

PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	LC21464-004A	PACKING CASE	TOP	
2	LC21463-001B	PACKING CASE	BOTTOM	
3	LC11751-001B	CUSHION	6pcs in 1 set	
4	LC41035-004A	POLY BAG		
5	LC41035-006A	POLY BAG		
6	LC30236-006B	POLY BAG		
7	LC32526-001A	PROTECT SHEET	(x2)	
8	LCT1544-001B	CAUTION SHEET		
9	LC21264-001A	ACCESSORY BOX		
10	RM-C1257G-1H	REMOCON UNIT		
11	QAM0585-001	SYSTEM CABLE	3m Inc.POLY BAG	
△ 12	QMPL050-250-K	POWER CORD(EU)	2.5m BLACK/Inc.PORY BAG	
13	QPA01203005	POLY BAG	12cm x 30cm	
14	LC41320-001A	NYRON CLAMP	(x2) HOOK	
15	-----	BATTERY	(x2)	
16	QYSPSPD5016MA	SCREW	M5 x 16mm(x2) (For HOOK)	
17	QQR0491-001	FERRITE CORE	(x2) (For POWER CORD)	
18	QPA02503505P	POLY BAG	25cm x 35cm	
△ 19	LCT1779-001B	INST BOOK		
20	LCT1780-001A	CAUTION BOOK		
21	LCT1554-001A	CAUTION SHEET		
22	CP30903	JOINT	(x4)	

PACKING



[RECEIVER UNIT : TU-50X575/K]

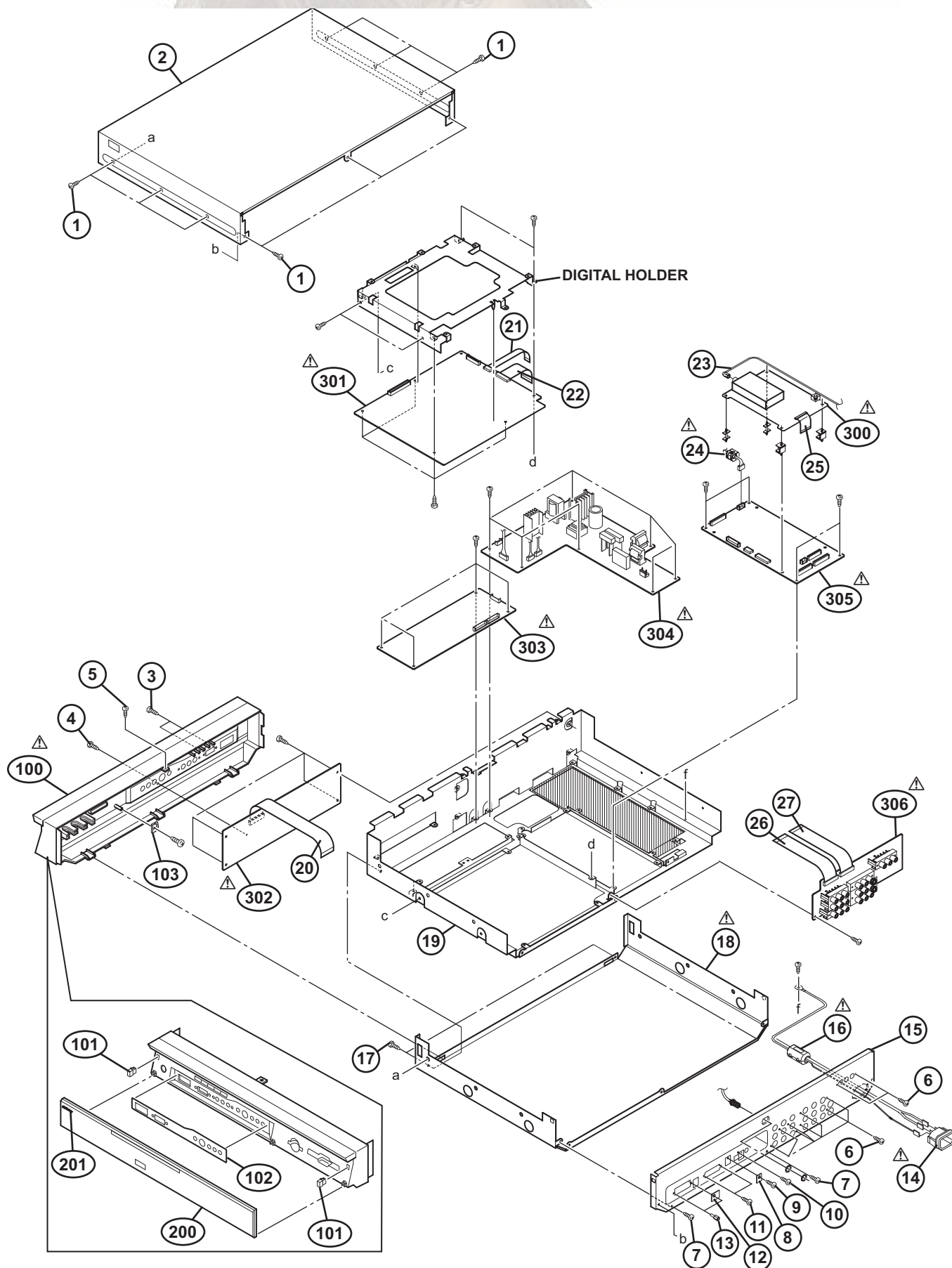
USING P.W. BOARD

P.W.B ASS'Y name	P.W.B ASS'Y No.
FRONT CONTROL PWB	LCA10466-05B (SFP-8510A)
SYSTEM POWER PWB	LCA10443-04A (SFP-9516A)
REGULATOR PWB	LCA10426-12C (SFP-9520A)
ANALOG SIGNAL PWB	LCA10423-09C (SFP-0A504A)
DIGITAL SIGNAL PWB	LCA10428-37H (SFP-0D507A)
RECEIVER PWB	LCA10523-03B (SFP-0F505A)
REAR JACK PWB	LCA10444-04C (SFP-0J505A)

EXPLODED VIEW PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	QYSDSG3008NA	TAP SCREW	M3 x 8mm(x9)	
△ 2	LC11748-001C	TOP COVER		
3	QNB0036-001	HEX SCREW	(x2)	
4	QYSBSF3010NA	TAP SCREW	M3 x 10mm	
5	QYSDSG3008NA	TAP SCREW	M3 x 8mm	
6	QYSBSF3010MA	TAP SCREW	M3 x 10mm(x10)	
7	QYSDSG3008NA	TAP SCREW	M3 x 8mm(x2)	
8	LC41897-001A	SERVICE COVER		
9	QYSDSG3008NA	TAP SCREW	M3 x 8mm	
10	QYSDSP3006NA	SCREW	M3 x 6mm	
11	QYSPSPL2608NA	SCREW	M2.6 x 8mm(x2)	
12	LC42135-001A	SERVICE COVER		
13	QNB0036-001	HEX SCREW	(x2)	
△ 14	QMCB004-001	AC INLET		
△ 15	LC21578-002B	BACK COVER		
16	QQR0491-001	FERRITE CORE		
17	LC42063-001A	SCREW	(x2)	
△ 18	LC11747-001B	BOTTOM CASE		
19	LC11746-001B	CHASSIS BASE		
20	QUQ105-5013AE	FFC WIRE	50pin 13cm	
21	QUQ105-3004AA	FFC WIRE	30pin 4cm	
22	QUQ105-5004AA	FFC WIRE	50pin 4cm	
23	QAM0493-001	F CABLE		
24	QQR0942-001	CORE FILTER		
25	QUQ105-4004AA	FFC WIRE	40pin 4cm	
26	QUQ105-5007AE	FFC WIRE	50pin 7cm	
27	QUQ105-5007AE	FFC WIRE	50pin 7cm	
△ 100	LC11719-002A	FRONT PANEL ASSY	Inc.101-103	
101	QZW0063-001	MAGNET LATCH	(x2)	
102	LC32512-002A	CONTROL PLATE		
103	QZW0055-004	DAMPER		
200	LC21443-006A	DOOR ASSY	Inc.201	
201	PQ45130-6	JVC MARK		
△ 300	LCA10523-03B	RECEIVER PWB		
△ 301	LCA10428-37H	DIGITAL SIGNAL PWB		
△ 302	LCA10466-05B	FRONT CONTROL PWB		
△ 303	LCA10426-12C	REGULATOR PWB		
△ 304	LCA10443-04A	SYSTEM POWER PWB		
△ 305	LCA10423-09C	ANALOG SIGNAL PWB		
△ 306	LCA10444-04C	REAR JACK PWB		

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

FRONT CONTROL PW BOARD ASS'Y (LCA10466-05B) (SFP-8510A)

△Ref No.	Part No.	Part Name	Description	Local
Q1201	UN2212-X	DIGI TRANSISTOR		
Q1205	UN2110-X	DIGI TRANSISTOR		
D1101	MA8100/M/-X	Z DIODE		
D1102	MA8100/M/-X	Z DIODE		
D1103	MA8100/M/-X	Z DIODE		
D1104	MA8100/M/-X	Z DIODE		
D1105	MA8100/M/-X	Z DIODE		
D1201	SMLU12E16W-P	LED	POWER	
D1401	MA8100/M/-X	Z DIODE		
D1402	MA8100/M/-X	Z DIODE		
D1403	MA8100/M/-X	Z DIODE		
D1404	MA8100/M/-X	Z DIODE		
D1405	MA8100/M/-X	Z DIODE		
D1406	MA8100/M/-X	Z DIODE		
D1501	MA111-X	SI DIODE		
D1502	MA111-X	SI DIODE		
C1001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C1101	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1103	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1104	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C1105	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C1106	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
C1107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C1110	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1111	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
R1002	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1104	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1205	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1404	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1405	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1411	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1412	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1413	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1414	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1416	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1501	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1502	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1503	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1504	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN800F	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
J1101	QNZ0438-001	AV JACK	INPUT4	
J1401	QNZ0061-001	D CONNECTOR	PC INPUT	
S1201	QSW0619-003Z	TACT SWITCH	POWER	
S1501	QSW0619-003Z	TACT SWITCH	INPUT4	
S1502	QSW0619-003Z	TACT SWITCH	INPUT3	
S1503	QSW0619-003Z	TACT SWITCH	INPUT2	
S1504	QSW0619-003Z	TACT SWITCH	INPUT1	
S1505	QSW0619-003Z	TACT SWITCH	TV	

SYSTEM POWER PW BOARD ASS'Y (LCA10443-04A) (SFP-9516A)

△Ref No.	Part No.	Part Name	Description	Local
IC9001	STR-W6765-F5	IC		
Q9001	2SC3928A/QR/-X	TRANSISTOR		
Q9002	2SC3928A/QR/-X	TRANSISTOR		
Q9003	2SC3928A/QR/-X	TRANSISTOR		
Q9004	2SA1530A/QR/-X	TRANSISTOR		
△D9001	RGP10J-5025-T3	SI DIODE		
D9002	RD33E/B1/-T2	Z DIODE		
D9003	MA111-X	SI DIODE		

△Ref No.	Part No.	Part Name	Description	Local
△D9004	D2SBA60	BRIDGE DIODE		
D9007	RGP10J-5025-T3	SI DIODE		
D9008	D1FL20U-X	SI DIODE		
D9010	SARS01-T2	SI DIODE		
D9011	SARS01-T2	SI DIODE		
D9012	MA111-X	SI DIODE		
D9013	MA111-X	SI DIODE		
D9014	RGP10J-5025-T3	SI DIODE		
D9015	FMX-22S	SI DIODE		
D9016	RGP10J-5025-T3	SI DIODE		
D9017	UTCTL431-T	IC		
D9018	RD33E/B1/-T2	Z DIODE		
D9019	MA111-X	SI DIODE		
D9021	MA8024-X	Z DIODE		
D9211	S1WB/A/60-X	BRIDGE DIODE		
D9212	MA8091/L/-X	Z DIODE		
△C9001	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K	
△C9003	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
△C9005	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
△C9006	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K	
C9007	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9008	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C9011	QCZ0354-821Z	C CAPACITOR	820pF 2kV K	
C9012	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	
C9014	QEZ0199-127	E CAPACITOR	120uF 400V M	
C9016	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9018	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C9019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
△C9021	QCZ9071-222	C CAPACITOR	2200pF AC400V M	
C9024	QEHR2AM-226Z	E CAPACITOR	22uF 100V M	
C9028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9029	QECQ1EM-228	E CAPACITOR	2200uF 25V M	
C9030	QECQ1EM-228	E CAPACITOR	2200uF 25V M	
C9031	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	
C9033	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9034	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9035	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C9036	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9037	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	
C9210	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
△R9001	QRK129J-105	UNF C RESISTOR	1MΩ 1/2W J	
R9003	QRT01EJ-R82X	MF RESISTOR	0.82Ω 1W J	
R9004	QRK126J-221X	UNF C RESISTOR	220Ω 1/2W J	
R9005	QRL01EJ-473X	OMF RESISTOR	47kΩ 1W J	
R9008	QRF074K-3R3	UNF WW RESISTOR	3.3Ω 7W K	
R9010	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J	
R9011	QRE121J-564Y	C RESISTOR	560kΩ 1/2W J	
R9012	QRL03EJ-220X	OMF RESISTOR	22Ω 3W J	
△R9013	QRZ9017-220	FUSI RESISTOR	22Ω 1/4W J	
R9014	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9015	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
△R9016	QRZ0107-685Z	C RESISTOR	6.8MΩ 1/2W K	
R9017	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9018	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9019	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9023	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9024	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9025	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R9027	QRL02EJ-152X	OMF RESISTOR	1.5kΩ 2W J	
R9028	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9029	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9030	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9031	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9032	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9033	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9034	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9035	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9037	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R9038	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9202	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J	
R9203	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J	
R9206	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9209	NRS12BJ-333W	MG RESISTOR	33kΩ 1/2W J	
L9001	QQLZ026-260	COIL	26uH ±7%	
L9002	QQLZ6AK-220Z	COIL	22uH K	
△T9001	QQS0254-001	SW TRANSF		
CN00B	QJK028-100600	SIN CR C-B WIRE		
CN00G	QJK037-070602	SIN CR C-B WIRE		

△Ref No.	Part No.	Part Name	Description	Local
△CP9001	QMFZ043-5R0Z-J1	FUSE	5A AC250V	
△CP9002	ICP-N50-Y	IC PROTECTOR	2.0A	
△CP9005	ICP-N50-Y	IC PROTECTOR	2.0A	
△F9001	QMF51D2-2R5-J1	FUSE	2.5A AC250V	
K9008	QQR1139-001	FERRITE BEADS		
△LF9001	QQR1084-002	LINE FILTER		
△LF9002	QQR1084-002	LINE FILTER		
△PC9001	PS2581AL1/QW/	PHOTO COUPLER		
△PC9201	PS2581AL1/QW/	PHOTO COUPLER		
△RY9001	QSK0119-001	RELAY		
△VA9001	QAF0060-621	VARIATOR	620V	

REGULATOR PW BOARD ASS'Y (LCA10426-12C) (SFP-9520A)

△Ref No.	Part No.	Part Name	Description	Local
IC9401	MP1580HS-X	IC		
IC9621	MP1580HS-X	IC		
IC9801	M62320FP-X	IC		
Q9211	2SB1188/QR-W	TRANSISTOR		
Q9212	UN2213-X	DIGI TRANSISTOR		
Q9822	2SC3928A/QR/-X	TRANSISTOR		
D9401	EC30HA03L-X	SB DIODE		
D9403	PTZ11B-X	Z DIODE		
D9621	EC30HA03L-X	SB DIODE		
D9622	PTZ6.8B-X	Z DIODE		
D9822	MA8051/M-X	Z DIODE		
D9823	MA111-X	SI DIODE		
C9402	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9404	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9405	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9407	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9408	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9622	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9624	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9625	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9627	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C9801	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C9802	NDC21HJ-121X	C CAPACITOR	120pF 50V J	
C9803	NDC21HJ-121X	C CAPACITOR	120pF 50V J	
C9821	NCB11CK-105X	C CAPACITOR	1uF 16V K	
R9218	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9219	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9220	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9231	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9402	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9403	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9404	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R9405	NRSA63D-184X	MG RESISTOR	180kΩ 1/16W D	
R9406	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9407	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9408	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9621	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9622	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9623	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9624	NRSA63D-333X	MG RESISTOR	33kΩ 1/16W D	
R9625	NRSA63J-824X	MG RESISTOR	820kΩ 1/16W J	
R9626	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9627	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9628	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9629	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	
R9805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9806	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9807	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9824	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R9825	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9826	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9827	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L9402	NQL71EM-270X	COIL	27uH M	
L9621	NQL71EM-150X	COIL	15uH M	

ANALOG SIGNAL PW BOARD ASS'Y (LCA10423-09C) (SFP-0A504A)

△Ref No.	Part No.	Part Name	Description	Local
IC201	TA1370FG-X	IC		
IC202	SN74AHC1G08V-X	IC		
IC203	CD74HC4053PW-X	IC		
IC301	AN15852A	IC		
IC501	CXA2069Q	IC		
IC604	RC4558D-X	IC		
IC611	BA4558F-X	IC		
IC612	RC4558D-X	IC		
IC711	CXA1875AM-X	IC		
IC801	TB1274AF	IC		
IC802	TC90A69AF-X	IC		
IC902	TA48M033F-X	IC		
Q307	2SA1530A/QR/-X	TRANSISTOR		
Q402	2SK1374-X	MOS FET		
Q403	2SK1374-X	MOS FET		
Q404	2SK1374-X	MOS FET		
Q405	2SK1374-X	MOS FET		
Q801	2SA1530A/QR/-X	TRANSISTOR		
Q802	2SA1530A/QR/-X	TRANSISTOR		
Q810	2SA1530A/QR/-X	TRANSISTOR		
Q851	2SA1530A/QR/-X	TRANSISTOR		
Q853	2SC3928A/QR/-X	TRANSISTOR		
Q854	2SC3928A/QR/-X	TRANSISTOR		
Q855	2SA1530A/QR/-X	TRANSISTOR		
Q858	2SC3928A/QR/-X	TRANSISTOR		
Q859	2SA1530A/QR/-X	TRANSISTOR		
Q862	2SC3928A/QR/-X	TRANSISTOR		
Q863	2SC3928A/QR/-X	TRANSISTOR		
Q901	2SC3074/OY/-X	TRANSISTOR		
Q902	2SC3074/OY/-X	TRANSISTOR		
QB613	2SC3928A/QR/-X	TRANSISTOR		
QB614	2SA1530A/QR/-X	TRANSISTOR		
D501	MA8100/M-X	Z DIODE		
D903	PTZ11B-X	Z DIODE		
D904	PTZ6.8B-X	Z DIODE		
DB201	MA8033-X	Z DIODE		
DB601	MA111-X	SI DIODE		
DB602	MA111-X	SI DIODE		
DB603	MA111-X	SI DIODE		
DB605	MA111-X	SI DIODE		
DB606	MA111-X	SI DIODE		
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	NEHL1HM-225X	E CAPACITOR	2.2uF 50V M	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NEZ0022-157X	E CAPACITOR	150uF 10V M	
C205	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C206	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C208	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C302	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C307	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C319	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C324	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C325	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C326	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C327	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C328	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C329	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C330	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C339	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C340	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C341	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C342	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C343	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C346	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C349	NENA1EM-106X	BP E CAPACITOR	10uF 25V M	
C355	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C356	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C357	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C501	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C502	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C503	NENA1EM-106X	BP E CAPACITOR	10uF 25V M	
C505	NENA1EM-106X	BP E CAPACITOR	10uF 25V M	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
C506	NDC31HJ-270X	C CAPACITOR	27pF 50V J		C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C601	NENA1HM-474X	BP E CAPACITOR	0.47uF 50V M		CB613	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C602	NENA1HM-474X	BP E CAPACITOR	0.47uF 50V M		CB614	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C603	NEHL1CM-106X	E CAPACITOR	10uF 16V M		R201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C604	NEHL1CM-106X	E CAPACITOR	10uF 16V M		R202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C605	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R203	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
C606	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R204	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C607	NEHL1CM-106X	E CAPACITOR	10uF 16V M		R207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C608	NEHL1CM-106X	E CAPACITOR	10uF 16V M		R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C661	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R211	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C663	NEHL1CM-106X	E CAPACITOR	10uF 16V M		R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C664	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C666	NEHL1CM-106X	E CAPACITOR	10uF 16V M		R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C711	NEHL1CM-106X	E CAPACITOR	10uF 16V M		R216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R220	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C801	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C802	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R304	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C804	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R305	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C807	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z		R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C813	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C818	NEHL1HM-106X	E CAPACITOR	10uF 50V M		R326	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C819	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J		R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		R328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R334	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K		R335	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C823	NCB31HK-153X	C CAPACITOR	0.015uF 50V K		R336	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R372	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C825	NDC31HJ-180X	C CAPACITOR	18pF 50V J		R373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C826	NEHL1EM-226X	E CAPACITOR	22uF 25V M		R375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C827	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M		R382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R383	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J		R385	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R392	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C853	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R395	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C854	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R401	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R402	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R403	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R405	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		R501	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R502	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J		R503	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C862	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R504	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R505	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C868	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R514	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R516	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R517	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C872	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J		R519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J		R520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J		R521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C878	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C879	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C880	NEHL1AM-107X	E CAPACITOR	100uF 10V M		R527	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C881	NEHL1AM-107X	E CAPACITOR	100uF 10V M		R528	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R529	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R530	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C884	NEHL1AM-107X	E CAPACITOR	100uF 10V M		R531	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C885	NEHL1AM-107X	E CAPACITOR	100uF 10V M		R532	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C886	NEHL1HM-106X	E CAPACITOR	10uF 50V M		R533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C887	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C888	NEHL1AM-107X	E CAPACITOR	100uF 10V M		R538	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C889	NEHL1HM-106X	E CAPACITOR	10uF 50V M		R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C890	NEHL1HM-106X	E CAPACITOR	10uF 50V M		R540	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C891	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J		R582	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J		R583	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C895	NDC31HJ-680X	C CAPACITOR	68pF 50V J		R584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K		R601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M		R602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C911	NEX51CM-335X	E CAPACITOR	3.3uF 16V M		R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C912	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R604	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M		R606	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M		R607	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C915	NEHL1CM-107X	E CAPACITOR	100uF 16V M						

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R608	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R612	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB617	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB618	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R614	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB619	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R615	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB620	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB621	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R617	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		RB623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R618	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		RB624	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R619	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		RB801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R620	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		L201	NQL914K-101X	COIL	100uH K	
R631	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		L807	NQR0413-003X	FERRITE BEADS		
R632	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		L808	NQR0413-003X	FERRITE BEADS		
R633	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		L809	NQR0413-003X	FERRITE BEADS		
R634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L851	NQL092K-6R8X	P COIL	6.8uH K	
R635	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		L852	NQL092K-6R8X	P COIL	6.8uH K	
R636	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		L853	NQL092K-6R8X	P COIL	6.8uH K	
R637	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		L854	NQL092M-270X	P COIL	27uH M	
R665	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L855	NQL904J-560X	COIL	56uH J	
R666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L861	NQL914K-220X	COIL	22uH K	
R667	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L862	NQL914K-101X	COIL	100uH K	
R669	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L863	NQL914K-101X	COIL	100uH K	
R670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L864	NQL914K-101X	COIL	100uH K	
R712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L865	NQL914K-220X	COIL	22uH K	
R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L866	NQL914K-220X	COIL	22uH K	
R716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L867	NQL914K-220X	COIL	22uH K	
R719	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L901	NQL52EM-220X	COIL	22uH M	
R720	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		L902	NQL52EM-220X	COIL	22uH M	
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L903	NQL52EM-220X	COIL	22uH M	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L904	NQL52EM-220X	COIL	22uH M	
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		CN001	QGF0508C1-50W	CONNECTOR	FFC/FPC (1-50)	
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN002	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)	
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN00F	QGF0508C1-50W	CONNECTOR	FFC/FPC (1-50)	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		CN00T	QGF0508C1-40W	CONNECTOR	FFC/FPC (1-40)	
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		CN0J1	QGF0508C1-50W	CONNECTOR	FFC/FPC (1-50)	
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		CN0J2	QGF0508C1-50W	CONNECTOR	FFC/FPC (1-50)	
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		X201	CSB503F30	C RESONATOR		
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		X801	NAX0621-001X	CRYSTAL	16.200MHz	
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		DIGITAL SIGNAL PW BOARD ASS'Y				
R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		(LCA10428-37H) (SFP-0D507A)				
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		△Ref No.	Part No.	Part Name	Description	Local
R839	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		IC0401	SN74AHCT1G32V-X	IC		
R840	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		IC1001	TC90A92AFG	IC		
R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		IC1002	MM1572FN-X	IC		
R852	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		IC1502	NJM2235V-X	IC		
R853	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		IC3001	JCC5055	IC		
R854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		IC3004	TC7MB3257FK-X	IC		
R855	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		IC3005	SN74LVC1G08V-X	IC		
R856	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J		IC3006	SN74LVC2G126T-X	IC		
R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		IC3403	S-80928CLNB-W	IC		
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		IC3501	HY5DU283222AQ-5	IC		
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		IC3502	HY5DU283222AQ-5	IC		
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		IC3503	LP2996MR-X	IC		
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		IC4001	JCC5057	IC		
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		△IC4003	AT29LV0150X575T	IC(MICRO C ROM)	(SERVICE)	
R865	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		△IC4004	ATE256-50X575T2	IC	(SERVICE)	
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		IC4005	SN74LVC1G08V-X	IC		
R867	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		IC6003	MAX3221CDB-X	IC		
R869	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		IC6101	SII170BCL64	IC		
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		IC6103	IC-PST575M/JI-X	IC		
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		IC7001	MN102HF60KKH	IC(MCU)		
R876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		△IC7002	ATE256-50X575K	IC	(SERVICE)	
R877	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		IC7401	S-80828CLNB-G-W	IC		
R879	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		IC7601	M306V7FG-111FP	IC(MCU)		
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		△IC7602	ATE16-50X575K	IC	(SERVICE)	
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		IC7603	SN74LVC1G04V-X	IC		
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		IC7607	MM1510XN-X	IC		
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		IC7608	MM1510XN-X	IC		
R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		IC9001	MP1580HS-X	IC		
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		IC9101	MP1580HS-X	IC		
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		IC9201	MP1580HS-X	IC		
R893	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		Q0101	2SC3837K/NP/-X	TRANSISTOR		
R907	NRS12BJ-331W	MG RESISTOR	330Ω 1/2W J		Q0102	2SA1022/BC/-X	TRANSISTOR		
R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J		Q0104	2SA1022/BC/-X	TRANSISTOR		
R917	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		Q0107	2SA1530A/QR/-X	TRANSISTOR		
RB203	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		Q0108	2SC3928A/QR/-X	TRANSISTOR		
RB303	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR		
RB304	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR		
RB305	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		Q0201	2SC3837K/NP/-X	TRANSISTOR		
RB401	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
RB402	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J						
RB502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
RB503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
RB504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
RB506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
RB507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
RB508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
RB512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
Q0202	2SA1022/BC/-X	TRANSISTOR			C0209	NCB11AK-106X	C CAPACITOR	10uF 10V K	
Q0203	2SC3928A/QR/-X	TRANSISTOR			C0210	NCB11AK-106X	C CAPACITOR	10uF 10V K	
Q0204	2SA1022/BC/-X	TRANSISTOR			C0211	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
Q0207	2SA1530A/QR/-X	TRANSISTOR			C0212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
Q0208	2SC3928A/QR/-X	TRANSISTOR			C0213	NCB11AK-106X	C CAPACITOR	10uF 10V K	
Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR			C0214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR			C0215	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
Q0301	2SC3837K/NP/-X	TRANSISTOR			C0217	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
Q0302	2SA1022/BC/-X	TRANSISTOR			C0303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
Q0303	2SC3928A/QR/-X	TRANSISTOR			C0305	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
Q0304	2SA1022/BC/-X	TRANSISTOR			C0307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
Q0307	2SA1530A/QR/-X	TRANSISTOR			C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K	
Q0308	2SC3928A/QR/-X	TRANSISTOR			C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K	
Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR			C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR			C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
Q1001	UN2213-X	DIGI TRANSISTOR			C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K	
Q1003	2SC3928A/QR/-X	TRANSISTOR			C0314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
Q1004	2SA1530A/QR/-X	TRANSISTOR			C0315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
Q1101	2SC3928A/QR/-X	TRANSISTOR			C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
Q1103	2SA1530A/QR/-X	TRANSISTOR			C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q1201	2SC3928A/QR/-X	TRANSISTOR			C0519	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
Q1203	2SA1530A/QR/-X	TRANSISTOR			C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q1301	2SC3928A/QR/-X	TRANSISTOR			C1003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q1303	2SA1530A/QR/-X	TRANSISTOR			C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q1401	2SC3928A/QR/-X	TRANSISTOR			C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
Q1403	2SA1530A/QR/-X	TRANSISTOR			C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q3001	2SC3928A/QR/-X	TRANSISTOR			C1008	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q3002	2SA1530A/QR/-X	TRANSISTOR			C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
Q3003	2SC3928A/QR/-X	TRANSISTOR			C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
Q3004	2SA1530A/QR/-X	TRANSISTOR			C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
Q6001	2SC3928A/QR/-X	TRANSISTOR			C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q6101	2SK1374-X	MOS FET			C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q6102	2SK1374-X	MOS FET			C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q7206	UN2213-X	DIGI TRANSISTOR			C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
Q7207	DTA144EKA-X	DIGI TRANSISTOR			C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K	
					C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D1001	EC30HA03L-X	SB DIODE			C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D1002	EC30HA03L-X	SB DIODE			C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6001	1SS355-X	SI DIODE			C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6002	1SS355-X	SI DIODE			C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6003	1SS355-X	SI DIODE			C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6004	MA111-X	SI DIODE			C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6103	BAV99L-X	SI DIODE			C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6104	BAV99L-X	SI DIODE			C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6105	BAV99L-X	SI DIODE			C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6106	BAV99L-X	SI DIODE			C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6107	BAV99L-X	SI DIODE			C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6108	BAV99L-X	SI DIODE			C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D6109	BAV99L-X	SI DIODE			C1034	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
D6110	BAV99L-X	SI DIODE			C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
D6111	BAV99L-X	SI DIODE			C1037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D7001	MA111-X	SI DIODE			C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D7002	MA8051/M/-X	Z DIODE			C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D7003	RB501V-40-X	SB DIODE			C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D7005	MA8082/M/-X	Z DIODE			C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
D7006	MA8082/M/-X	Z DIODE			C1042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D7007	MA8082/M/-X	Z DIODE			C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D7008	MA8082/M/-X	Z DIODE			C1045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D7009	MA8082/M/-X	Z DIODE			C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D7203	MA111-X	SI DIODE			C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D7204	MA111-X	SI DIODE			C1048	NCB11CK-105X	C CAPACITOR	1uF 16V K	
D7210	RB501V-40-X	SB DIODE			C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D9001	EC30HA03L-X	SB DIODE			C1050	NCB11CK-105X	C CAPACITOR	1uF 16V K	
D9003	PTZ3.9B-X	Z DIODE			C1051	NCB11CK-105X	C CAPACITOR	1uF 16V K	
D9101	EC30HA03L-X	SB DIODE			C1052	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
D9102	EC30HA03L-X	SB DIODE			C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	
D9103	PTZ3.9B-X	Z DIODE			C1062	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
D9104	MA111-X	SI DIODE			C1063	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
D9201	EC30HA03L-X	SB DIODE			C1064	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D9203	PTZ3.9B-X	Z DIODE			C1065	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D9204	MA111-X	SI DIODE			C1066	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
					C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0103	NDC31HJ-330X	C CAPACITOR	33pF 50V J		C1103	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0105	NDC31HJ-270X	C CAPACITOR	27pF 50V J		C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C0109	NCB11AK-106X	C CAPACITOR	10uF 10V K		C1106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C0110	NCB11AK-106X	C CAPACITOR	10uF 10V K		C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0111	NDC31HJ-820X	C CAPACITOR	82pF 50V J		C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0112	NDC31HJ-820X	C CAPACITOR	82pF 50V J		C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0113	NCB11AK-106X	C CAPACITOR	10uF 10V K		C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C0115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C0116	NCB11AK-106X	C CAPACITOR	10uF 10V K		C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0117	NDC31HJ-560X	C CAPACITOR	56pF 50V J		C1302	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0203	NDC31HJ-330X	C CAPACITOR	33pF 50V J		C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C0205	NDC31HJ-270X	C CAPACITOR	27pF 50V J		C1304	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C0207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
C1306	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C4003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J		C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1402	NDC31HJ-330X	C CAPACITOR	33pF 50V J		C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J		C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1404	NDC31HJ-560X	C CAPACITOR	56pF 50V J		C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z		C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1406	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J		C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1502	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K		C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z		C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J		C4022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C4023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M		C6019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J		C6021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6102	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6105	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6107	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6108	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C6109	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C6112	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6113	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6115	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C6117	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K		C6119	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K		C6120	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		C6122	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K		C6128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C6129	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7012	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C7025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C7203	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C7401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C7402	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C3109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C7601	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7602	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C7603	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C7607	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C7608	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C7609	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C7610	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C7611	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C7613	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7614	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C7615	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7617	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7618	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7619	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C7622	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K		C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C9007	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C9102	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C9104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		C9105	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C9106	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C9107	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M		C9108	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C9111	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M		C9112	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C4002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K		R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K		R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C9209	NEZ0022-157X	E CAPACITOR	150uF 10V M		R0525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K		R0526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
					R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	
R0106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R0107	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1010	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1011	NQL093K-R10X	P COIL	0.1uH K	
R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R1104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0138	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1105	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J		R1106	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1107	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1113	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R0206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1201	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0207	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J		R1204	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0209	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R1205	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R0219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1301	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1303	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R1305	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J		R1307	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1313	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1401	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R1405	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1406	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R1407	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R0238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1413	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J		R1523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1524	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R1525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0307	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J		R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0309	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J		R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R0338	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J		R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R3037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3038	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R0519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R4027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R4028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R4035	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R4037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4039	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3089	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		R4046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		R4051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		R4052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		R4053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		R4054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R4056	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R4057	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R4058	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R4059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R4060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R4064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3100	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R4065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R4105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R4106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3105	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6028	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3107	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J		R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6034	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6035	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6036	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3120	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		R6038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3122	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		R6039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3151	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6044	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6045	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3155	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6047	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6048	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6049	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6050	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6051	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3163	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3164	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3165	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6104	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3166	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3167	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3168	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3169	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3170	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J		R6110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6111	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R6114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3207	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J		R6115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3502	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6116	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3503	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6117	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3505	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6118	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3507	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6119	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R3509	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6120	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3511	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6124	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3514	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6125	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R3516	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6126	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
R3518	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6127	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
R3520	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6128	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3522	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6129	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3524	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6130	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3525	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6131	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3527	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6132	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3529	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3531	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R6134	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3533	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R7001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3536	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R7002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3538	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R7004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3540	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R7005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3542	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R7006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3544	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J		R7010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7022	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4023	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4024	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7025	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R7026	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7029	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7039	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7040	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R7607	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
R7041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7609	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7046	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7611	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7047	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7612	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
R7048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7613	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7614	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7058	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R7656	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R7657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R7658	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7061	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R7659	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7063	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J		R7660	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7661	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7664	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7067	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R7680	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7068	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7685	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7686	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7690	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7081	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7082	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7085	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9003	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9004	NRSA63D-124X	MG RESISTOR	120kΩ 1/16W D	
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9008	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R7091	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R9101	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7092	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R9102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9103	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9104	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D	
R7095	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9105	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R7096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7098	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R9108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9109	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7101	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7107	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R7108	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R7109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R7111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9208	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R9209	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R7115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA1001	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	
R7117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA1002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA1003	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	
R7119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	
R7122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
R7123	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
R7124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	
R7133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
R7134	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
R7135	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
R7136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R7137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R7140	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R7143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R7144	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
R7145	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
R7146	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
R7148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
R7149	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R7150	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
R7159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R7160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R7214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	
R7215	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J		K3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4		K6101	NQR0413-003X	FERRITE BEADS		
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J		K6102	NQR0413-003X	FERRITE BEADS		
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J		K6103	NQR0413-003X	FERRITE BEADS		
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4		K6104	NQR0413-003X	FERRITE BEADS		
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4		K7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J		LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z	
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4		LC0519	NQR0416-001X	EMI FILTER	240pF 16V M	
RA4001	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4		SL7001	NAX0613-001X	C RESONATOR		
RA4002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4		X1001	NAX0642-001X	CRYSTAL		
RA4003	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4		X3001	NAX0635-001X	CXO		
RA4004	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4		X3002	NAX0637-001X	CXO	74.1758MHz	
RA4005	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4		X4001	NAX0669-001X	C RESONATOR		
RA4006	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4		X7601	NAX0613-001X	C RESONATOR		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4						
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4						
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4						
RA7604	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4						
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4						
RB7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
RB7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
RB7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
L0101	NQL092K-2R2X	P COIL	2.2uH K						
L0201	NQL092K-2R2X	P COIL	2.2uH K						
L0204	NDC21HJ-221X	C CAPACITOR	220pF 50V J						
L0301	NQL092K-2R2X	P COIL	2.2uH K						
L0304	NDC21HJ-221X	C CAPACITOR	220pF 50V J						
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L1002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L1003	NQL092K-1R5X	P COIL	1.5uH K						
L1004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L1005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L1006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L1008	NQL79GM-220X	COIL	22uH M						
L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L1011	NQL79GM-470X	COIL	47uH M						
L1101	NQL092K-6R8X	P COIL	6.8uH K						
L1102	NQR0489-002X	FERRITE BEADS							
L1103	NQL092K-1R0X	P COIL	1uH K						
L1201	NQL092K-6R8X	P COIL	6.8uH K						
L1203	NQL092K-1R0X	P COIL	1uH K						
L1301	NQL092K-6R8X	P COIL	6.8uH K						
L1303	NQL092K-1R0X	P COIL	1uH K						
L1401	NQL092K-6R8X	P COIL	6.8uH K						
L1403	NQL092K-1R0X	P COIL	1uH K						
L1501	NQL092K-4R7X	P COIL	4.7uH K						
L3001	NQR0489-002X	FERRITE BEADS							
L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L3011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L3501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L4001	NQR0413-003X	FERRITE BEADS							
L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
L6101	NQR0413-003X	FERRITE BEADS							
L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
L9001	NQL71EM-150X	COIL	15uH M						
L9101	NQL71EM-150X	COIL	15uH M						
L9201	NQL71EM-150X	COIL	15uH M						
CN001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)						
CN002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)						
CN0DVI	QNZ0580-001	D CONNECTOR							
CN0MDR	QNZ0576-002	D CONNECTOR							
J001	NNZ0117-001	HDMI CONNECTOR	DIGITAL IN						
J7001	QNS0001-001	3.5 JACK	AV COMPLINK III						
K1001	NQR0489-002X	FERRITE BEADS							
K1002	NQR0489-002X	FERRITE BEADS							
K1003	NQR0489-002X	FERRITE BEADS							
K1004	NQR0489-002X	FERRITE BEADS							
K2104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
K2107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
K3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						

RECEIVER PW BOARD ASS'Y (LCA10523-03B) (SFP-0F505A)

△Ref No.	Part No.	Part Name	Description	Local
IC3106	TPS852-W	PHOTO CONDUCTOR		
IC3501	MSP3415GQGB8V3M	IC		
IC3502	HA17558AF-X	IC		
IC3504	BA80BC0FP-X	IC		
IC3601	AN5285K	IC		
IC3651	HA17558AF-X	IC		
IC3652	HA17558AF-X	IC		
Q3001	2SC3928A/QR/-X	TRANSISTOR		
Q3002	2SC3928A/QR/-X	TRANSISTOR		
Q3003	2SA1530A/QR/-X	TRANSISTOR		
Q3501	2SC3928A/QR/-X	TRANSISTOR		
Q3502	2SC3928A/QR/-X	TRANSISTOR		
Q3503	UN2213-X	DIGI TRANSISTOR		
Q3631	UN2110-X	DIGI TRANSISTOR		
Q3632	UN2226-X	DIGI TRANSISTOR		
Q3633	UN2226-X	DIGI TRANSISTOR		
Q3634	2SA1530A/QR/-X	TRANSISTOR		
D3501	MA8100/M-X	Z DIODE		
D3631	MA111-X	SI DIODE		
C3001	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3002	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C3003	NEX60JM-227X	E CAPACITOR	220uF 6.3V M	
C3010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3011	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C3012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3161	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3162	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3163	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3501	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3504	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C3508	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C3509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3511	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3512	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3513	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C3514	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C3515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3516	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C3517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3518	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C3519	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C3520	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3521	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C3522	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3523	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3524	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3525	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3526	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3527	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3528	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C3529	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3530	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3532	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3533	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3534	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3535	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3536	NCB11AK-106X	C CAPACITOR	10uF 10V K	

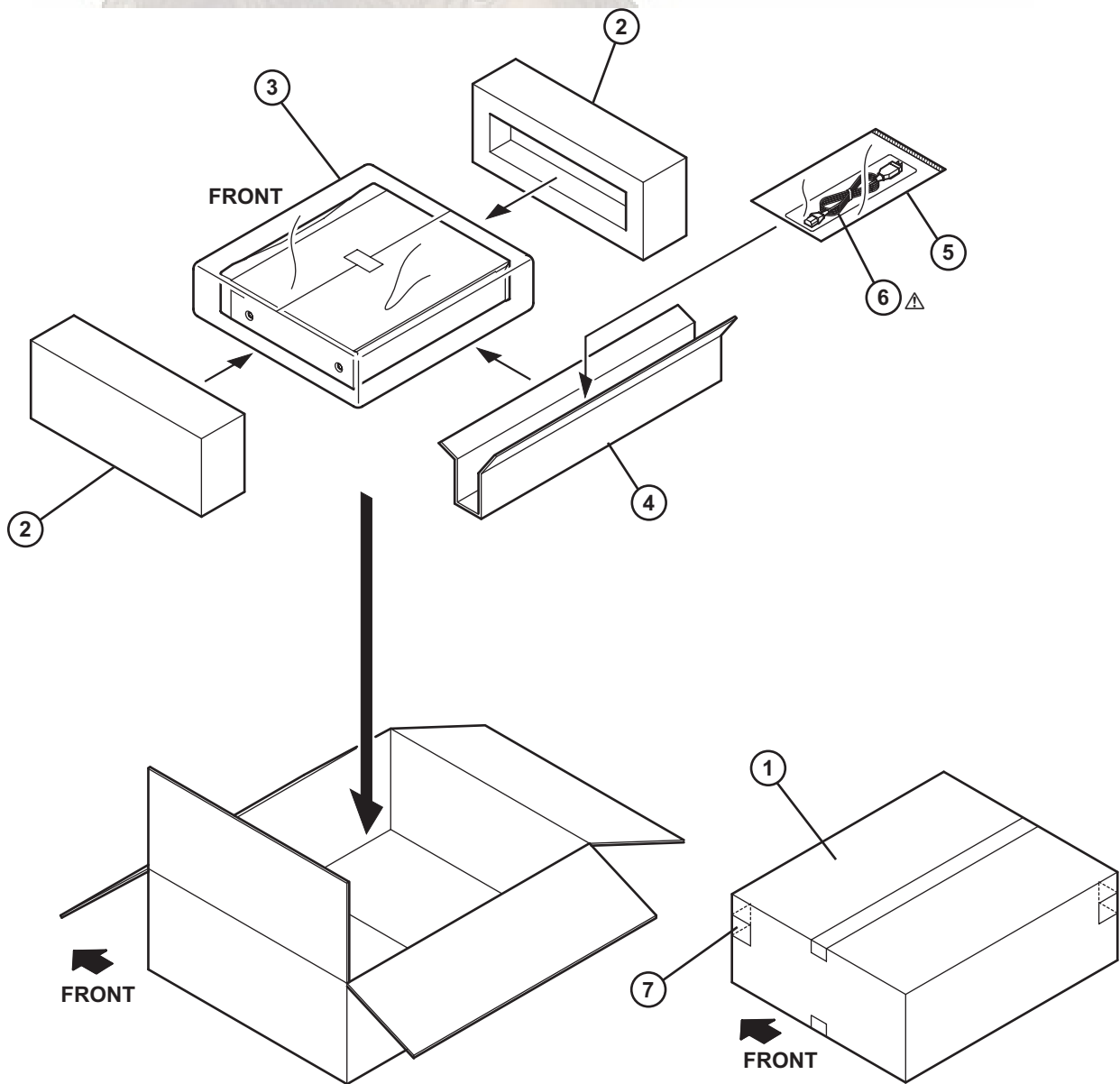
△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
C3537	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3613	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C3540	NCB31HK-183X	C CAPACITOR	0.018uF 50V K		R3631	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C3541	NCB31CK-683X	C CAPACITOR	0.068uF 16V K		R3632	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C3542	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R3634	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C3543	NEHL1CM-476X	E CAPACITOR	47uF 16V M		R3635	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C3544	NCB31AK-105X	C CAPACITOR	1uF 10V K		R3651	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R3652	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C3546	NCB31AK-105X	C CAPACITOR	1uF 10V K		R3653	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3547	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R3654	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3548	NCB11AK-106X	C CAPACITOR	10uF 10V K		R3655	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C3549	NCB31CK-104X	C CAPACITOR	0.1uF 16V M		R3656	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3601	NEHL1EM-475X	E CAPACITOR	4.7uF 25V K		R3657	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C3602	NCB31AK-105X	C CAPACITOR	1uF 10V K		R3658	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C3603	NEHL1AM-107X	E CAPACITOR	100uF 10V M		R3659	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C3604	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R3660	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C3605	NEHL1CM-106X	E CAPACITOR	10uF 16V M		R3662	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3607	NCB31AK-105X	C CAPACITOR	1uF 10V K		R3663	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3608	NEHL1CM-106X	E CAPACITOR	10uF 16V M		R3664	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3609	NCB31AK-105X	C CAPACITOR	1uF 10V K		R3666	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3610	NCB31AK-105X	C CAPACITOR	1uF 10V K		R3667	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3611	NCB31AK-105X	C CAPACITOR	1uF 10V K		R3668	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3612	NCB31AK-105X	C CAPACITOR	1uF 10V K						
C3631	NEHL1CM-476X	E CAPACITOR	47uF 16V M		L3503	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
C3632	NCB31AK-105X	C CAPACITOR	1uF 10V K		L3504	NQL79GM-4R7X	COIL	4.7uH M	
C3651	NCB31AK-105X	C CAPACITOR	1uF 10V K		L3505	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
C3652	NCB31AK-105X	C CAPACITOR	1uF 10V K		L3506	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
C3653	NEHL1CM-476X	E CAPACITOR	47uF 16V M		L3507	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
C3654	NEHL1CM-476X	E CAPACITOR	47uF 16V M						
C3655	NCB31AK-105X	C CAPACITOR	1uF 10V K		K3501	NQR0389-003X	FERRITE BEADS		
C3656	NCB31AK-105X	C CAPACITOR	1uF 10V K		K3502	NQR0389-003X	FERRITE BEADS		
C3657	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		LC3501	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
C3658	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		TU3001	QAU0408-002	TUNER		
C3659	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		X3501	QAX0773-001Z	CRYSTAL	18.432000MHz	
C3660	NCB10JK-106X	C CAPACITOR	10uF 6.3V K						
C3661	NCB10JK-106X	C CAPACITOR	10uF 6.3V K						

REAR JACK PW BOARD ASS'Y (LCA10444-04C) (SFP-0J505A)

△Ref No.	Part No.	Part Name	Description	Local
Q2201	DTC323TK-X	DIGI TRANSISTOR		
Q2203	DTC323TK-X	DIGI TRANSISTOR		
Q2204	DTC323TK-X	DIGI TRANSISTOR		
Q2205	2SA1037AK/QR/-X	TRANSISTOR		
D2001	MA8100/M/-X	Z DIODE		
D2002	MA8100/M/-X	Z DIODE		
D2003	MA8100/M/-X	Z DIODE		
D2004	MA8100/M/-X	Z DIODE		
D2005	MA8100/M/-X	Z DIODE		
D2006	MA8100/M/-X	Z DIODE		
D2007	MA8100/M/-X	Z DIODE		
D2008	MA8100/M/-X	Z DIODE		
D2009	MA8100/M/-X	Z DIODE		
D2010	MA8100/M/-X	Z DIODE		
D2011	MA8100/M/-X	Z DIODE		
D2012	MA8100/M/-X	Z DIODE		
D2013	MA8100/M/-X	Z DIODE		
D2014	MA8100/M/-X	Z DIODE		
D2015	MA8100/M/-X	Z DIODE		
D2016	MA8100/M/-X	Z DIODE		
D2017	MA8100/M/-X	Z DIODE		
D2053	MA8100/M/-X	Z DIODE		
D2054	MA8100/M/-X	Z DIODE		
D2201	MA8100/M/-X	Z DIODE		
D2202	MA8100/M/-X	Z DIODE		
D2203	MA8100/M/-X	Z DIODE		
D2205	MA8100/M/-X	Z DIODE		
D2206	MA8100/M/-X	Z DIODE		
D2207	MA8100/M/-X	Z DIODE		
D2208	MA8100/M/-X	Z DIODE		
C2001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2002	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2003	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
C2004	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2008	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2009	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
C2010	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2011	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2012	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2013	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C2014	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	

△Ref No.	Part No.	Part Name	Description	Local
C2015	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2201	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2202	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2203	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2204	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2205	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2206	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C2207	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2208	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2209	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2210	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2213	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2214	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2251	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2252	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2253	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2254	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2255	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2256	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2257	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2258	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2259	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2260	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C2261	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
R2001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2004	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2005	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2006	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2007	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2008	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2009	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2010	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2011	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2012	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2013	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2056	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2057	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2202	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2203	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2204	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2207	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2208	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2209	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2210	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R2212	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2213	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R2214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2215	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2216	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2217	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2218	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2219	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2220	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
J2001	QNZ0700-001	AV JACK	INPUT1/INPUT3	
J2002	QNN0646-001	PIN JACK	COMPONENT IN	
J2003	QNN0644-001	PIN JACK	INPUT2	
J2004	QNN0641-001	PIN JACK	CENTER CH/AUDIO IN	
J2007	QNN0645-001	PIN JACK	AUDIO/SUBWOOFER OUT	

PACKING



PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	LC32513-006B	PACKING CASE		
2	LC11750-001A	CUSHION ASSY	2pcs in 1set	
3	PQM30021-93	POLY BAG		
4	LC21462-001B	ACC SHEET		
5	QPA01203505	POLY BAG	12cm x 35cm	
△ 6	QMPL050-250-K	POWER CORD(EU)	2.5m BLACK	
7	LC20989-001A-H	CORNER LABEL	(x3)	