

JVC

SERVICE MANUAL

REAR PROJECTION TELEVISION

**HD-Z56RF7, HD-Z56RF7_{IA},
 HD-Z56RF7_{IS}, HD-Z61RF7,
 HD-Z61RF7_{IA}, HD-Z61RF7_{IS},
 HD-Z70RF7, HD-Z70RF7_{IA},
 HD-Z70RF7_{IS}**

BASIC CHASSIS
RA2



HD-ILA™
Powered by DILA

DynaPiX
Powered by D.I.S.T.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

CINEMA SURROUND

MaxxBass®

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SPECIFICATION

Items		Contents		
		HD-Z56RF7	HD-Z61RF7	HD-Z70RF7
Dimensions (W × H × D)		129.2 cm × 94.4 cm × 45 cm	140.3 cm × 101.6 cm × 48.4 cm	162.6 cm × 116.7 cm × 51.9 cm
Mass		41 kg	45 kg	70 kg
TV RF System		B, G, I, D, K, K1, M		
Colour System		PAL / SECAM / NTSC 3.58 / NTSC 4.43		
Stereo System		A2 (B/G, D/K), NICAM (B/G, I, D/K)		
Teletext System		FLOF (Fastext), WST (World Standard System)		
Receiving Frequency	VHF Low VHF High UHF CATV	46.25MHz - 140.25MHz 147.25MHz - 423.25MHz 431.25MHz - 863.25MHz Mid (X - Z+2, S1 - S10) / Super (S11 - S20) / Hyper (S21 - S41) bands		
Intermediate Frequency	VIF SIF	38.0MHz (B, G, I, D, K, M) 32.26MHz (5.74MHz: B), 32.15MHz (5.85MHz: G), 31.45MHz (6.55MHz: I) 32.15MHz (5.85MHz: D), 32.15MHz (5.85MHz: K)		
Colour Sub Carrier	PAL SECAM NTSC	4.43MHz 4.40625MHz / 4.25MHz 3.58MHz / 4.43MHz		
Power Input		AC110V - AC240 V, 50 Hz / 60 Hz		
Power Consumption		195 W (Standby: 0.9 W)		
Projection Source		110W High-pressure mercury lamp		
Projection Device		D-ILA device (Reflection active matrix type LCD) × 3(R / G / B)		
Resolution		Total=H:1952 × V:1088 [Effective =H:1920 × V:1080]		
Screen		Transparent screen (unitized fresnel lens / lenticular lens), aspect ratio 16:9		
Screen Size		56" (142 cm) Measured diagonally H:124 cm × V:69.8 cm	61" (155 cm) Measured diagonally H:135 cm × V:76 cm	70" (178 cm) Measured diagonally H:155.5 cm × V:87.2 cm
Audio Power Output		10 W + 10 W		
Speaker		8.5 cm × 12.5 cm oval type × 2 (Oblique corn)		10 cm round type × 2 (Oblique corn)
Aerial terminal (VHF/UHF)		75 Ω unbalanced, coaxial		
Video / Audio Input [INPUT-1/2/3/4]	Component Video [INPUT-1/3] 1125i / 750p 625p / 525p / 625i / 525i S-Video [INPUT-1/2/4] Video Audio	RCA pin jack × 6 Y : 1V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), positive (Negative sync provided), 75 Ω Pb/Pr : 0.7V(p-p), 75 Ω Mini-DIN 4 pin × 3 Y: 1V (p-p), positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), positive (Negative sync provided), 75 Ω, RCA pin jack × 4 500mV (rms), high impedance, RCA pin jack × 8		
Digital Input	Video Audio	HDMI 2-row 19pin connector × 2 (Digital-input terminal is not compatible with picture signals of personal computer) Digital: HDMI 2-row 19pin connector × 2 Analog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2		
PC (RGB) Input		D-sub 3-row 15pin × 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance <Available signal> VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4kHz / Vertical : 60Hz)		
Monitor / Rec Output	S-Video Video Audio	Mini-DIN 4pin × 1 Y: 1V (p-p), 75Ω C: 0.286V(p-p) (burst signal), 75Ω 1V (p-p), 75Ω, RCA pin jack × 1 250mV(rms) (-10dBs), Fs-18dB low impedance, RCA pin jack × 2		
Headphone Jack		3.5mm stereo mini jack × 1		
AV COMPULINK III		3.5mm mini jack × 1		
Remote Control Unit		RM-C1855 (AAA/LR03/UM-4 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) : ($\frac{\perp}{\text{---}}$) side GND and EARTH : (\oplus) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) Isolation Check (Safety for Electrical Shock Hazard)

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

a) Dielectric Strength Test

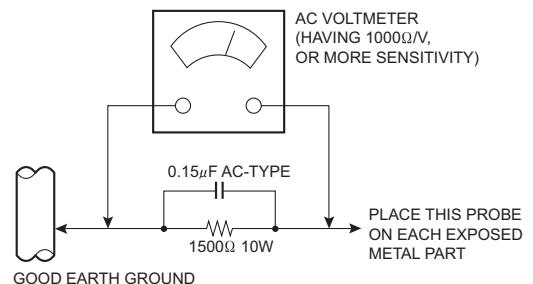
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated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

b) Leakage Current Check

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

Alternate Check Method

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



1.2 INSTALLATION

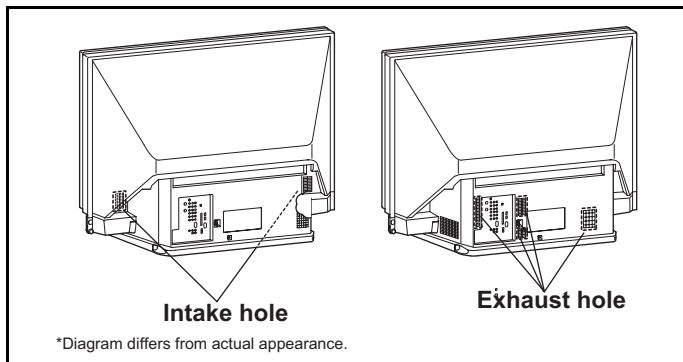
1.2.1 HEAT DISSIPATION

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 predetermined 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.

Do not put foreign objects near the ventilation holes as this can result in fire or electrical hazards.

Do not block the ventilation holes as this may cause the internal temperature to rise and possibly result fire.



1.2.2 INSTALLATION REQUIREMENTS

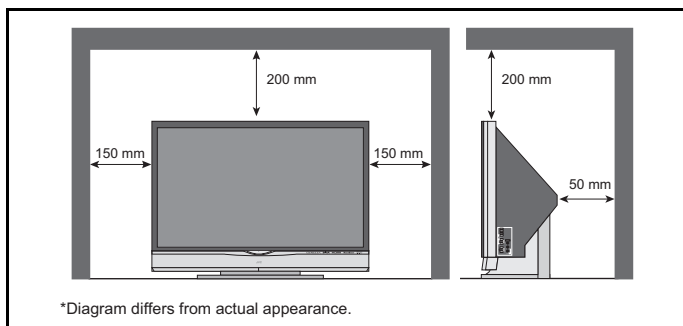
Ensure that the minimal distance is maintained, as specified figure, between the unit with and the surrounding walls, as well as the floor etc.

Install the unit on stable flooring.

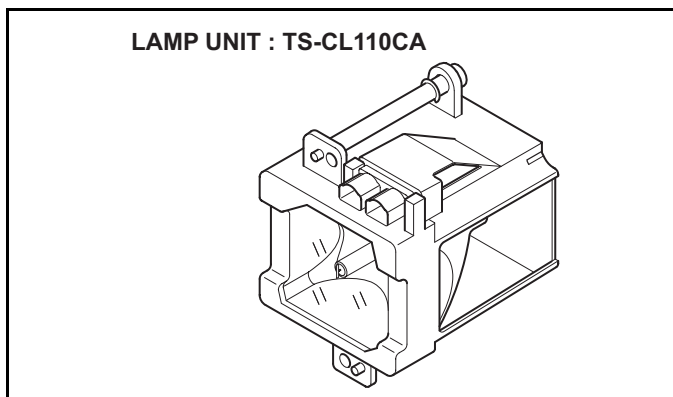
Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

CAUTION FOR INSTALLATION

- Do not tilt the TV towards the left or right, or toward the back.
- Install the TV in a corner on the floor so as to keep cords out of the way.
- The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.



1.3 LAMP UNIT HANDLING CAUTION



1.3.1 PRECAUTION FOR LAMP UNIT

The lamp emits high intensity white, ultraviolet and infrared light. Do not look directly at the light during service. Also, do not touch the lamp directly as it presents a burn hazard.

Handle with extra care. This lamp emits high heat and contains high-pressure during use.

Do not give any impact as this may cause the broken lamp.

1.3.2 HOW TO CONFIRM LAMP OPERATING TIME

- MAXIMUM COUNT TIME= 65535 hours

- (1) Press the [DISPLAY] key and [MUTING] key simultaneously, then enter the SERVICE MODE.
- (2) When the SERVICE MENU SCREEN is displayed, press [2] key to enter the SELF CHECK MODE.
- (3) The use time of a lamp is displayed on middle of the screen by the hexadecimal number of 4 figures.

SERVICE MENU SCREEN

SERVICE MENU
1. ADJUST
2. SELF CHECK
3. I2C STOP

SELF CHECK MODE SCREEN (Page 1)

LOB	0	FAN	0
AUD	0		
ANA	9	DIG	9
			0
			0

0000

Lamp operation time (Hexadecimal)

CALCULATION EXAMPLE OF LAMP USE TIME

Ex. Display number=12EF
 $1 \times 16^3 + 2 \times 16^2 + E \times 16 + F \times 1 = 1 \times 4096 + 2 \times 256 + 14 \times 16 + 15 = 4847$ hours

1.3.3 LAMP UNIT REPLACEMENT

- (1) The lamp replacement message will appear when need to change the lamp. After replace the lamp, need to reset the timer which is built into TV.
- (2) Lamp use time can be check at the lamp message MENU. If lamp use time exceeds **6500 hours**, the message of Fig.1 will be displayed on a screen.
- (3) If Fig.1 message appears when turn the TV on, need to replace the lamp.
- (4) Use the lamp timer reset only after replacing the lamp.

NOTE:

- This message will appear every time turn on the TV, when the lamp needs to be replaced. Press the **[OK]** key to make the message disappear, or replace the lamp.

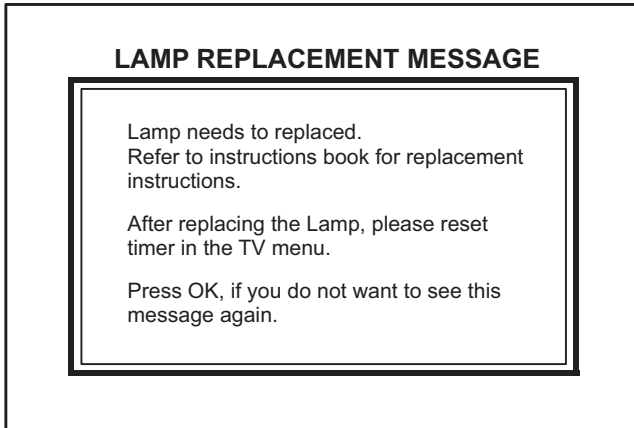


Fig.1

1.3.6 PRECAUTION FOR REPLACEMENT

- Do not replace the LAMP UNIT immediately after the projector has been used.
- The temperature of the LAMP UNIT is still high and could cause a burn.
- Allow a cooling period of 1 hour or more before performing replacement.
- Before starting LAMP UNIT replacement work, turn off the MAIN POWER switch, and disconnect the AC power cord plug from the wall outlet.
- If touched, the lamp glass surface may rupture and burns may result. Do not touch the glass portion or metal portion. Handle only plastic handle.
- The replaced old lamp can be discarded in the same manner as a fluorescent lamp. Check local ordinances and dispose of the used lamp as prescribed.

1.3.4 HOW TO REPLACE THE LAMP UNIT

- Refer to the "INSTRUCTION BOOK" for a detailed operating description.
 - (1) Turn off the TV power.
 - (2) After the LAMP LED light has stopped blinking, disconnect the power cord from the AC outlet.
 - (3) Loosen 1 screw then take out the lamp cover below the left side of the TV.
 - (4) Loosen 2 screws then take out the lamp unit.
 - (5) Install the new lamp unit.
 - (6) Re-install the lamp cover.

NOTE:

- After installing the new lamp unit, do not forget to reset the lamp timer.

1.3.5 HOW TO RESET THE LAMP TIMER

- Refer to the "INSTRUCTION BOOK" for a detailed operating description.
 - (1) Press the **[MENU]** key to select "SET UP".
 - (2) Select the <LAMP TIMER RESET> with **[▲]** / **[▼]** keys.
 - (3) Enter the <LAMP TIMER RESET> mode, the following message will appear.

PRESS OK TO RESET THE LAMP TIMER

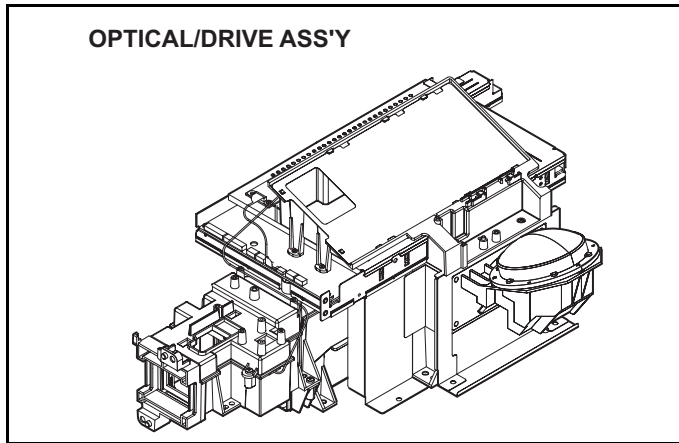
- (4) Press the **[OK]** key while the above message appears on the screen.
- (5) The lamp timer has now been reset, and the following message will appear.

THE LAMP TIMER IS RESET SUCCESSFULLY

1.4 SERVICE PARTS KIT INSTRUCTIONS

Due to the character of this product, these **OPTICAL /DRIVE ASS'Y** are prepared.

Please note these **OPTICAL/DRIVE ASS'Y** when replacing or ordering the parts.



1.4.1 PART NUMBER AND CONSTRUCTION

Kit parts number	Kit part name
COP15A-SA	OPTICAL / DRIVE ASS'Y

1.4.2 OPTICAL / DRIVE ASS'Y CONSTRUCTION

- (1) OPTICAL BLOCK
(Included D-ILA DEVICE, PROJECTION LENS)
- (2) OPTICAL BASE
- (3) DRIVE PWB ASS'Y
This PWB is mounted with 1 memory IC saved with adjustment, setting data of the drive circuit.
- (4) SHIELD COVER

*The following parts without the kits part.

- REMOTE SENSOR PWB ASS'Y
- LAMP UNIT
- LAMP FAN DUCT
- THERMOSTAT

1.4.3 PRECAUTION FOR USING

- (1) In the case of the following defects/problems, replace this kit (OPTICAL/DRIVE ASS'Y)
 - a) Picture defect caused by optical system/D-ILA device related parts.
 - b) Picture defect caused by drive circuit.
- (2) The DRIVE PWB ASS'Y is mounted with a memory IC [[IC3753](#)] saved with adjustment/setting data(GAMMA, SHADING, etc.) of the drive circuit.
The data of this memory IC is in the optimal state according to individual D-ILA devices and each section of the OPTICAL BLOCK.
- (3) When replace the DRIVE PWB ASS'Y, take off the 1 memory IC from the original board and replace with new one. When replace the DRIVE PWB ASS'Y, do same manner. Replace 1 memory IC.
- (4) After the replacement of the OPTICAL BLOCK, projection lens focus adjustment and drive convergence / projection adjustment are required.

1.5 SCREEN HANDLING CAUTIONS

1.5.1 SCREEN STORAGE

Store the SCREEN ASS'Y in a standing position in order to avoid deformation. If the screen is stored horizontally, there is risk of deforming the screen face.

When necessary to place the SCREEN ASS'Y horizontally, position the screen side upwards and sure to place spacers between the screen and resting site (floor or stand etc.) to prevent the screen from sagging.

1.5.2 SCREEN SURFACE

Since the screen surface is easily scratched or soiled, use ample care when handling.

1.5.3 PRECAUTIONS FOR CLEANING AND REPLACEMENT

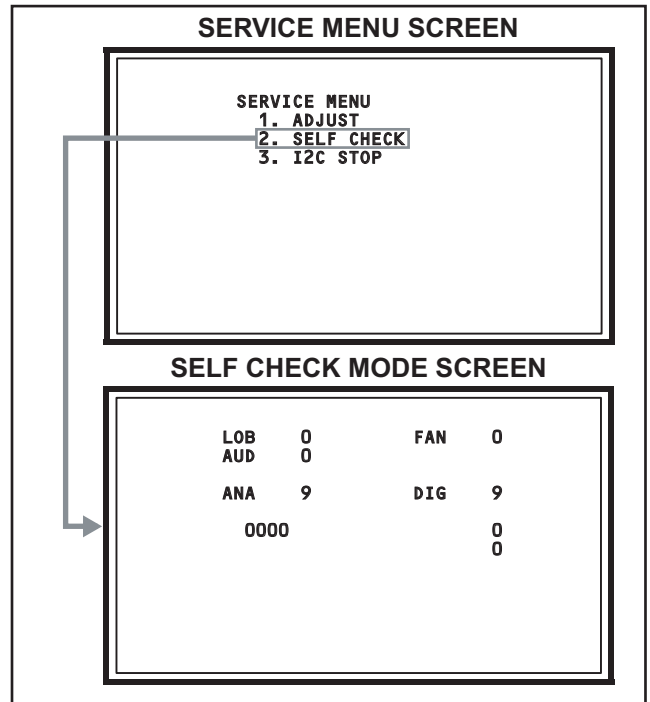
- The SCREEN ASS'Y is made from the lenticular lens and fresnel lens. The anti static proceeding and the surface of the lenticular lens. Rubbing the surface with something hard, the coating may peel off.
- When the screen is dirty, gently wipe it with a soft cloth.
If the screen is very dirty, wipe it down with a cloth dipped in a diluted kitchen cleaner (neutrality detergent) and thoroughly wrung-out. Then wipe immediately after with clean, dry cloth. Never use the organic solvent such as the alcohol or benzine.
- The SCREEN ASS'Y replacement is required if the coating was peel off. Alkaline detergent or acidity detergent can not be used.
- The notched side of the lenticular lens and the fresnel lens are faced each other.
- Do not rub the screen when cleaning it or replacing it. Rubbing the screen may cause of the scratch of the screen by its notch.

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

2.1 SYSTEM SETTING

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

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



2.2 FEATURES

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

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

COLOUR MANAGEMENT

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

PICTURE MANAGEMENT

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

ZOOM

This function can change the screen size according to the picture aspect ratio.

SUPER DIGIPURE

This function uses the latest in digital technology to give you a natural-looking picture.

MPEG Noise Reduction

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

MaxxBass

This function emphasizes the bass sound.

VOICE ENHANCEMENT

Gives a clearer sound quality of the voices in what you are watching.

CINEMA SURROUND

You can enjoy an enhanced sound for wider audience.

PULL DOWN

This function displays a cinema film picture more smoothly and naturally on the screen.

2.3 MAIN DIFFERENCE LIST

Item	HD-Z56RF7	HD-Z56RF7/A	HD-Z56RF7/S	HD-Z61RF7	HD-Z61RF7/A	HD-Z61RF7/S
POWER CORD	EU Type (2 Pins)	AU Type (2 Pins)	UK Type (3 Pins)	EU Type (2 Pins)	AU Type (2 Pins)	UK Type (3 Pins)
DIGITAL PWB	SRA-0D503A	←	←	SRA-0D502A	←	←

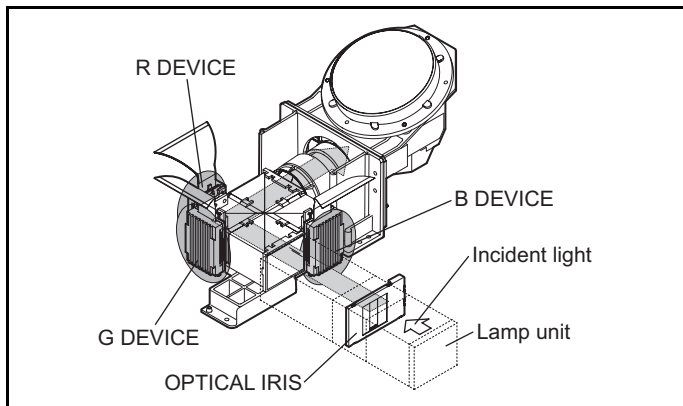
Item	HD-Z70RF7	HD-Z70RF7/A	HD-Z70RF7/S
POWER CORD	EU Type (2 Pins)	AU Type (2 Pins)	UK Type (3 Pins)
DIGITAL PWB	SRA-0D501A	←	←

2.4 TECHNICAL INFORMATION

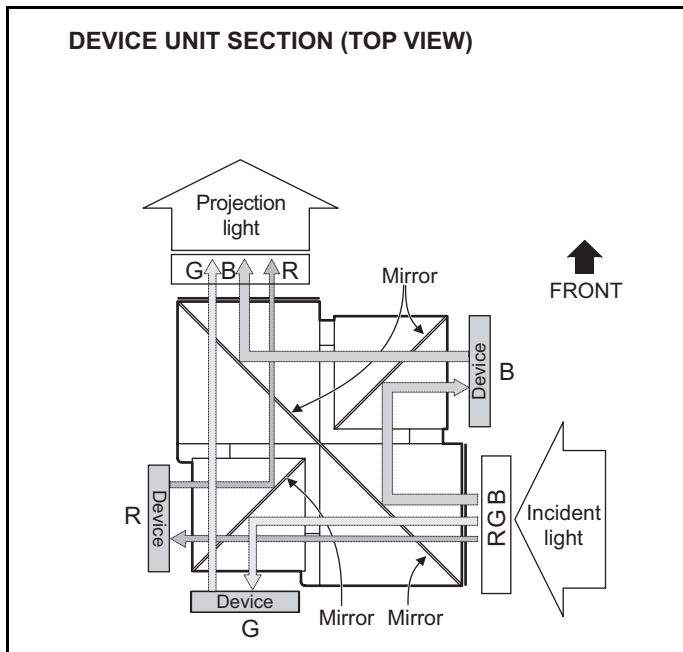
2.4.1 D-ILA DEVICE SPECIFICATION

Item	Content
Resolution	H: 1952 × V:1088
Pixel number	about 2123776
Pixel size	H : 8.1μm × V :8.1μm
Aspect ratio	16 : 9
Contrast ratio	5000 : 1
Aperture ratio	89% or more
Effective pixel measurement	0.7 inch

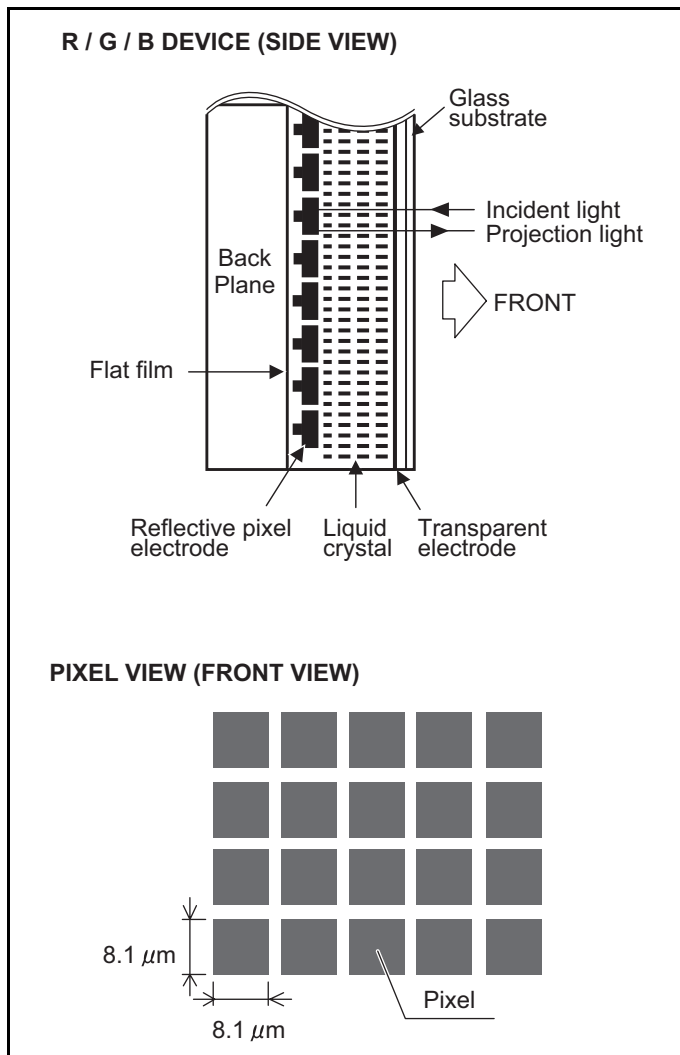
2.4.2 PROJECTION UNIT



2.4.3 IMAGE LIGHT FLOW



2.4.4 D-ILA DEVICE STRUCTURE



2.4.5 MAIN CPU PIN FUNCTION [IC7301 : DIGITAL PWB ASS'Y]

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

SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

CAUTION AT DISASSEMBLY:

- **Be sure to perform the SYSTEM SETTING, at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- 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.
- Wait until the LAMP UNIT has cool down is completely.
- While not in repair service, place the chassis back its original position.

3.1.1 FRONT SIDE DISASSEMBLY [HD-Z56RF7, HD-Z61RF7]

3.1.1.1 REMOVING THE SPEAKER GRILL (Fig.1)

- (1) Remove the 4 screws [A].
- (2) Remove the 2 claws under the SPEAKER GRILL.
- (3) Remove the SPEAKER GRILL by pressing it downward.

3.1.1.2 REMOVING THE FRONT LED PWB (Fig.1)

- Remove the SPEAKER GRILL.
 - (1) Remove the 3 screws [B].
 - (2) Remove the FRONT LED PWB.

3.1.1.3 REMOVING THE CENTRE COVER (Fig.1)

- Remove the SPEAKER GRILL.
 - (1) Remove the 2 screws [C].
 - (2) Remove the CENTRE COVER.

3.1.1.4 REMOVING THE FRONT PANEL WITH SCREEN ASS'Y (Fig.1)

- Remove the SPEAKER GRILL.
 - (1) Remove the 8 screws [D].
 - (2) Remove the 10 screws [E].
 - (3) Remove the FRONT PANEL with SCREEN ASS'Y.

CAUTION:

- Place the FRONT PANEL with SCREEN ASS'Y on a flat table without fail.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- Use care not to scratch the screen during work.
- Do not leave the FRONT PANEL with SCREEN ASS'Y removed for long time to prevent soiling from dust.

3.1.1.5 REMOVING THE SCREEN ASS'Y (Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
 - (1) Remove the 10 screws [F].
 - (2) Remove the 8 screws [G].
 - (3) Remove the SCREEN BRACKET.
 - (4) Remove the SCREEN ASS'Y from the FRONT PANEL

NOTE:

- When replacing the SCREEN ASS'Y, confirm each SPACER is fit on the SCREEN BRACKET and the FRONT PANEL without fail.
- Do not touch the front of the SCREEN ASS'Y.
- Do not shock the SCREEN ASS'Y.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.1.6 REMOVING THE SPEAKER (Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
 - (1) Remove the 4 screws [H].
 - (2) Remove the SPEAKER.
 - (3) Remove the opposite SPEAKER by the same method.

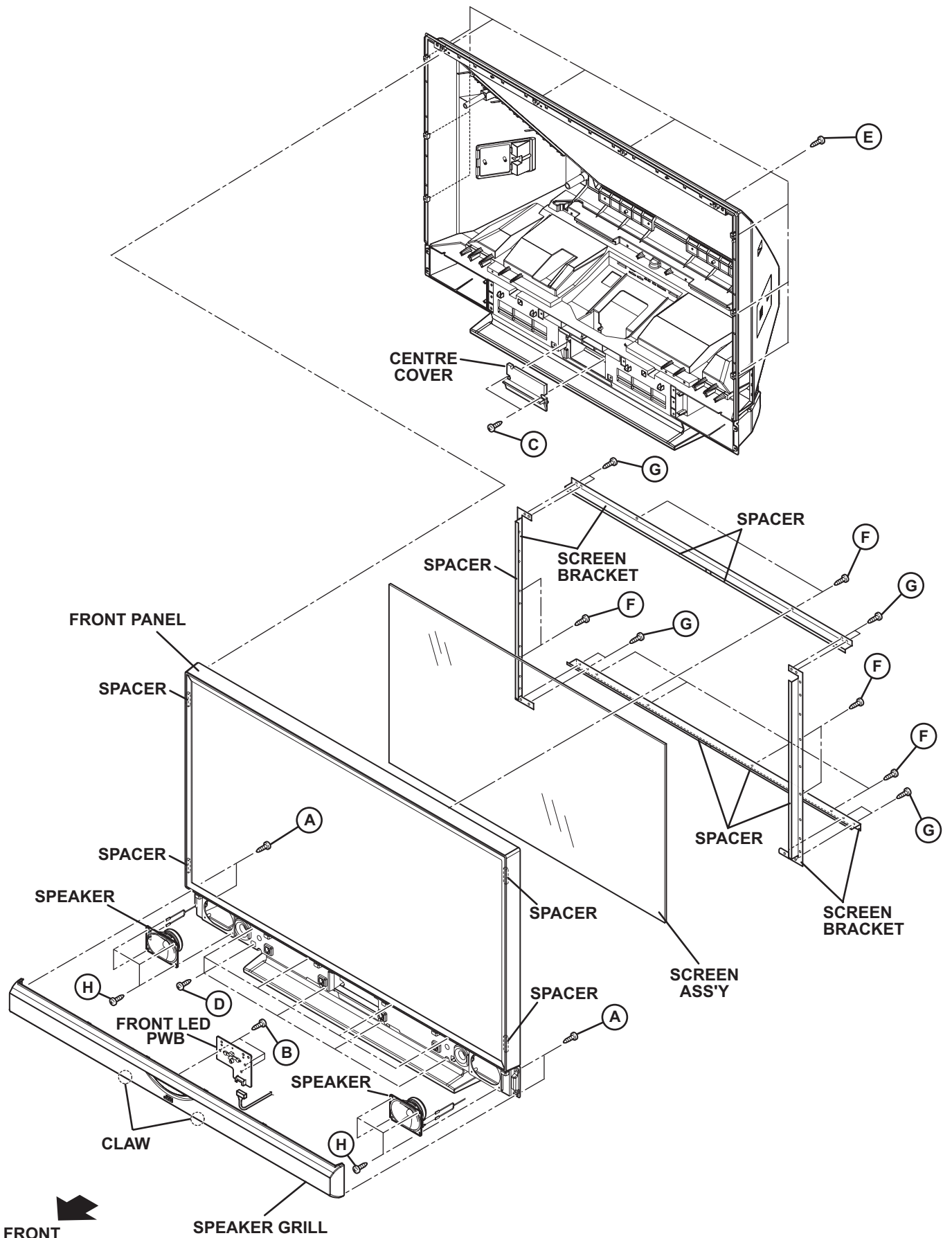


Fig.1

3.1.1.7 REMOVING THE MIRROR (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with the SCREEN ASS'Y.
 - (1) Remove the 4 screws **[A]** attaching the MIRROR HOLDER of the upper side.
 - (2) Remove the 6 screws **[B]** attaching the MIRROR HOLDER of left and right side.
 - (3) Loosen the 4 screws **[C]** attaching the MIRROR HOLDER of bottom side.
 - (4) Raise slightly to disengage of the MIRROR from the bottom MIRROR HOLDER.
 - (5) Remove the MIRROR.

NOTE:

- Do not touch the front of the MIRROR.
- Do not shock the MIRROR.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.1.8 REMOVING THE SIDE CONTROL PWB (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with the SCREEN ASS'Y.
 - (1) Remove the 3 screws **[D]**.
 - (2) Remove the SIDE CONTROL PWB from the SIDE CONTROL BASE.

NOTE:

The SIDE CONTROL BASE is taken out by removing 6 claws.

3.1.1.9 REMOVING THE SUPPORT BRACKET (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with the SCREEN ASS'Y.
 - (1) Remove the 3 screws **[E]**.
 - (1) Remove the SUPPORT BRACKET.
 - (2) Remove the opposite SUPPORT BRACKET by the same method.

3.1.1.10 REMOVING THE BACK COVER (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with the SCREEN ASS'Y.
- Remove the SUPPORT BRACKET.
 - (1) Remove the 2 screws **[F]** and 2 screws **[G]** from rear side.
 - (2) Remove the 4 screws **[H]**.
 - (3) Remove the BACK COVER.

CAUTION :

Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.1.11 REMOVING THE SHADE COVER (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with the SCREEN ASS'Y.
- Remove the SUPPORT BRACKET.
- Remove the BACK COVER.
 - (1) Remove the 2 screws **[J]**.
 - (2) Remove the SHADE COVER.

3.1.1.12 REMOVING THE FILTER (Fig.2)

- (1) Remove the 1 screw **[K]**.
- (2) Remove the FILTER COVER.
- (3) Remove the FILTER from FILTER COVER.
- (4) Remove the opposite FILTER by the same method.

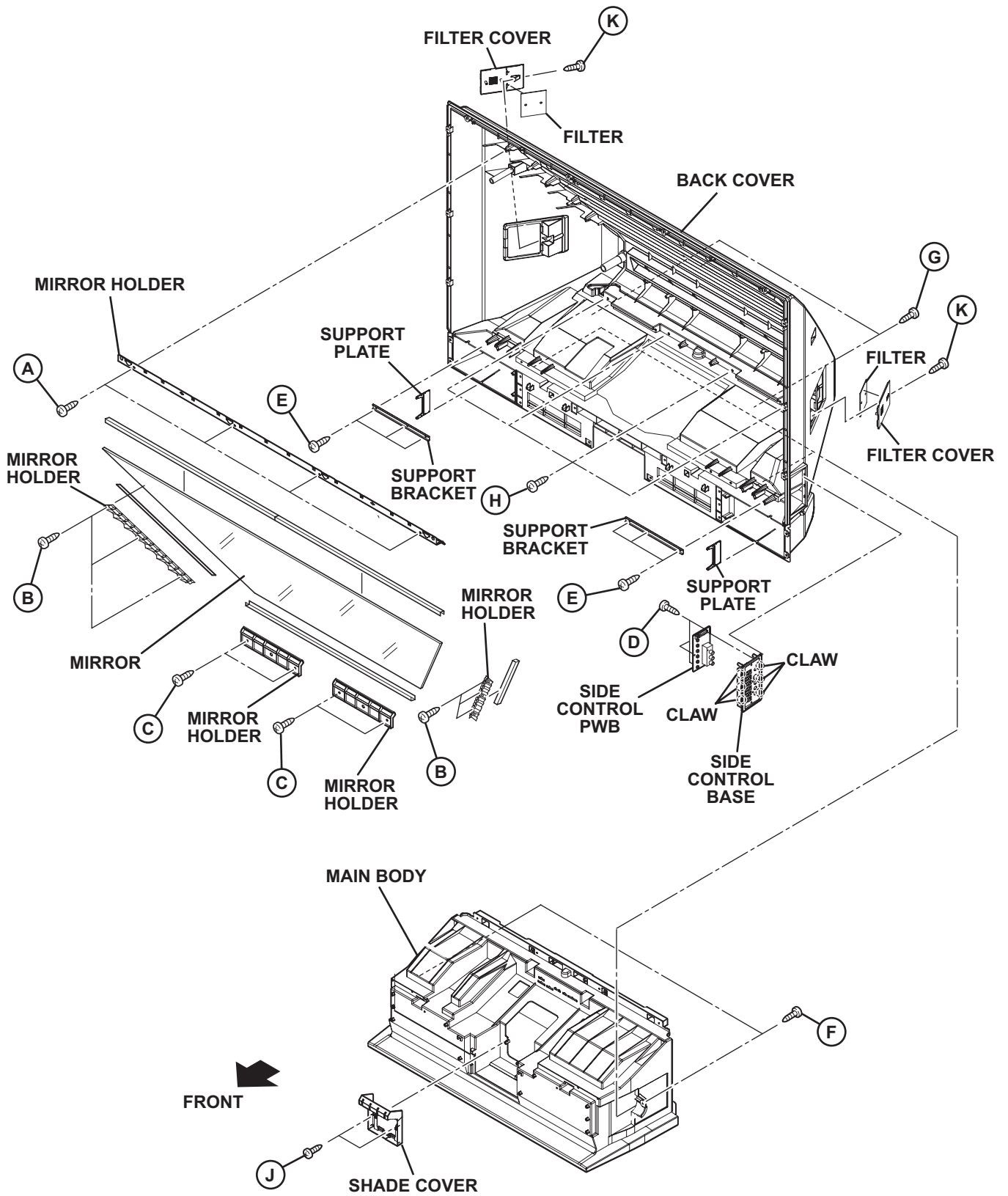


Fig.2

3.1.2 FRONT SIDE DISASSEMBLY [HD-Z70RF7]

3.1.2.1 REMOVING THE SPEAKER GRILL (Fig.3)

- (1) Remove the 1 screw [A] and the 1 screw [B].
- (2) Remove the SPEAKER GRILL.

3.1.2.2 REMOVING THE CENTRE PANEL (Fig.3)

- Remove the SPEAKER GRILL.
 - (1) Remove the 2 screws [C], then remove the CENTRE PANEL.

3.1.2.3 REMOVING THE FRONT LED PWB (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
 - (1) Remove the 1 screw [D].
 - (2) Remove the FRONT LED PWB.

3.1.2.4 REMOVING THE CENTRE COVER (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
 - (1) Remove the 2 screws [E].
 - (2) Remove the CENTRE COVER.

3.1.2.5 REMOVING THE SPEAKER (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
 - (1) Remove the 4 screws [F].
 - (2) Remove the SPEAKER.
 - (3) Remove the opposite SPEAKER by the same method.

3.1.2.6 REMOVING THE FRONT PANEL (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
- Remove the SPEAKER.
 - (1) Remove the 18 screws [G] and the 10 screws [H].
 - (2) Remove the FRONT PANEL.

CAUTION:

Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.2.7 REMOVING THE SCREEN BLOCK (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
 - (1) Remove the 6 screws [J] and the 8 screws [K].
 - (2) Remove the SCREEN BLOCK.

CAUTION :

- Place the SCREEN BLOCK on a flat table without fail.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- Use care not to scratch the screen during work.
- During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- When supporting the SCREEN BLOCK, avoid grasping the top of the screen panel, instead grasp the left and right areas.
- Do not leave the SCREEN BLOCK removed for long time to prevent soiling from dust.

3.1.2.8 REMOVING THE SCREEN ASS'Y (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
 - (1) Remove the 11 screws [L].
 - (2) Remove the SCREEN BRACKET from the FRONT BRACKET.
 - (3) Remove the SCREEN ASS'Y.

NOTE:

- When replacing the SCREEN ASS'Y, confirm each SPACER is fit on the SCREEN BRACKET without fail.
- Do not touch the front of the SCREEN ASS'Y.
- Do not shock the SCREEN ASS'Y.
- Because of the Large size, at least 2 persons are recommended for removal and reassemble.

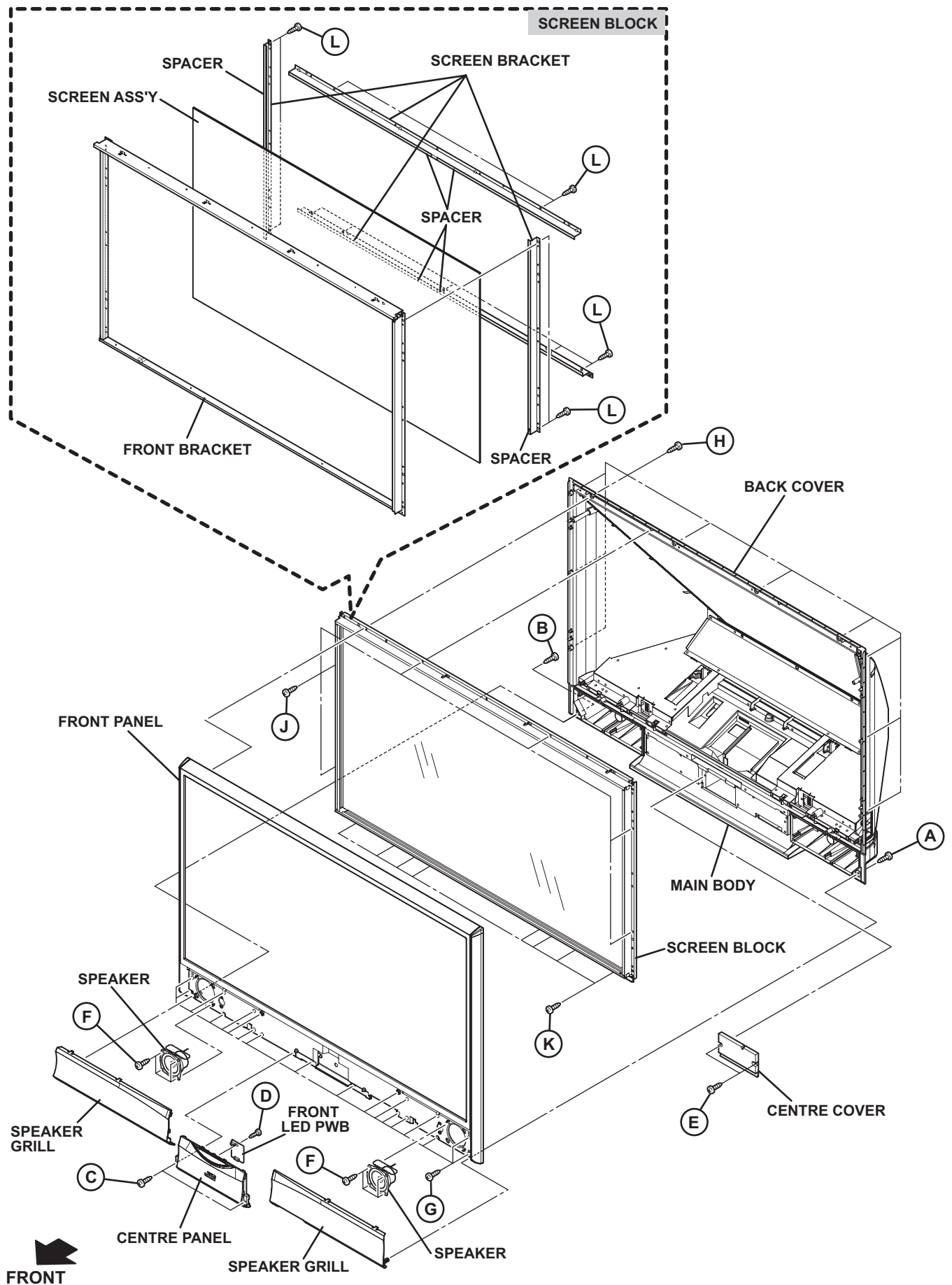


Fig.3

3.1.2.9 REMOVING THE MIRROR (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
 - (1) Remove the 2 screws **[A]**.
 - (2) Remove the MIRROR HOLDER STOPPER.
 - (3) Remove the 2 screws **[B]** and the 2 screws **[C]**.
 - (4) Remove the MIRROR HOLDER(UPPER).
 - (5) Remove the 4 screws **[D]**.
 - (6) Remove the MIRROR HOLDER BRACKET.
 - (7) Remove the 6 screws **[E]** and the 2 screws **[F]**.
 - (8) Remove the MIRROR HOLDER(both L/R side).
 - (9) Raise slightly to disengage of the MIRROR from the bottom holder.
 - (10) Remove the MIRROR.

NOTE:

- Do not touch the front of the MIRROR.
- Do not shock the front of the MIRROR.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.2.10 REMOVING THE BACK COVER BRACKET (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
 - (1) Remove the 6 screws **[G]** and the 1 screw **[H]**.
 - (2) Remove the BACK COVER BRACKET(REAR).
 - (1) Remove the 8 screws **[J]** and the 1 screw **[K]**.
 - (2) Remove the BACK COVER BRACKET(both L/R).

3.1.2.11 REMOVING THE SIDE CONTROL PWB (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
 - (1) Remove the 4 screws **[L]**.
 - (2) Remove the SIDE CONTROL BASE.
 - (3) Remove the 2 screws **[M]**.
 - (4) Remove the SIDE CONTROL PWB.

3.1.2.12 REMOVING THE SPEAKER BOX (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the BACK COVER BRACKET.
 - (1) Remove the 3 screws **[N]**.
 - (2) Remove the SPEAKER BOX.
 - (3) Remove the opposite SPEAKER BOX by the same method.

3.1.2.13 REMOVING THE BACK COVER (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the BACK COVER BRACKET.
- Remove the SPEAKER BOX.
 - (1) Remove the 4 screws **[P]** and the 2 screws **[Q]**.
 - (2) Remove the BACK COVER.

CAUTION:

Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.2.14 REMOVING THE SHADE COVER (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the CENTRE PANEL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the BACK COVER BRACKET.
- Remove the SPEAKER BOX.
- Remove the BACK COVER.
 - (1) Remove the 2 screws **[R]**.
 - (2) Remove the SHADE COVER.

3.1.3 REAR SIDE DISASSEMBLY

3.1.3.1 REMOVING THE LAMP UNIT (Fig.5)

- (1) Remove the 1 screw [A].
- (2) Remove the LAMP COVER.
- (3) Remove the 2 screws [B]
- (4) Pull out the LAMP UNIT.

NOTE :

- Do not leave the LAMP COVER removed for long time to prevent dirt and dust from covering the lens.
- Make sure that the LAMP COVER is completely installed.

3.1.3.2 REMOVING THE BODY COVER (Fig.5)

- (1) Remove the 7 screws [C].
- (2) Remove the 4 screws [D]. [only HD-Z70RF7]
- (3) Remove the 5 screws [E].
- (4) Remove the BODY COVER.

NOTE :

- Do not leave the BODY COVER removed for long time to prevent soiling from dust.

3.1.3.3 REMOVING THE MAIN UNIT (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
 - (1) Remove the 4 screws [F].
 - (2) Remove the BODY BRACKET.
 - (3) Remove the 2 screws [G].
 - (4) The MAIN UNIT is pulled out to the back side.

CAUTION :

- Except for confirmation of projection images on the screen and audio output through the speakers, the removed MAIN UNIT is still workable in the same state as if it is still built-in the TV set. Therefore, the MAIN UNIT can be removed, if necessary, for board diagnosis, electric testing, etc. apart from confirmation of screen images and audio output. Do not leave the MAIN UNIT removed for long time to prevent soiling from dust.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- When carrying the MAIN UNIT, use care not to drop, shock or shake it.
- Do not stain or damage the projection lens.
- Do not look directly at the light during service.
- Do not touch the lamp directly as it presents a burn hazard.

NOTE :

- When not performing repair work, attach the cap on the lens to preventing dust from covering.
- When mounting to the set, make sure the front of the lens is in contact with the cushion on the set (body) side.
- Make sure that FRONT LED PWB connector is completely connect to the ANALOG PWB connector.
- When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.

3.1.3.4 REMOVING THE AV TERMINAL BOARD (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
 - (1) Remove the 3 screws [H], 3 screws [J] and the 7 screws [K].
 - (2) Remove the 2 hex screws [L].
 - (3) Remove the AV TERMINAL BOARD.

3.1.3.5 REMOVING THE POWER PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
 - (1) Remove the POWER CORD.
 - (2) Remove the 7 screws [M].
 - (3) Remove the POWER PWB.

3.1.3.6 REMOVING THE TUNER PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
 - (1) Remove the 1 screw [N].
 - (2) Remove the HANGER BRACKET with TUNER PWB.
 - (3) Remove the 3 screws [P].
 - (4) Remove the TUNER PWB.

3.1.3.7 REMOVING THE ANALOG PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
- Remove the POWER PWB and TUNER PWB.
 - (1) Remove the 4 screws [Q].
 - (2) Remove the ANALOG PWB.

3.1.3.8 REMOVING THE DIGITAL PWB (Fig.5)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
- Remove the POWER PWB and TUNER PWB.
- Remove the ANALOG PWB.
 - (1) Remove the 1 screw **[R]**.
 - (2) Remove the DIGITAL PWB BRACKET with DIGITAL PWB.
 - (3) Remove the 7 screws **[S]**.
 - (4) Remove the DIGITAL PWB SHIELD COVER.
 - (5) Remove the 9 screws **[T]**.
 - (6) Remove the DIGITAL PWB.

CAUTION :

- Make sure to perform the "SYSTEM SETTING" , when DIGITAL PWB is replaced.
- Especially, because the value of **<F001>** (DD) might be changed, go through next steps to confirm the setting value with the remote control unit.
 - (1) Press the **[DISPLAY]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
 - (2) Press **[1]** key to enter the ADJUSTMENT MODE.
 - (3) Select **<F001>**.
 - (4) Confirm the value to **"000"**, and set it to **"000"** when not **"000"**.
 - (5) Press **[MUTING]** key to memorize the data.
 - (6) Press **[BACK]** key twice to exit the SERVICE MODE.

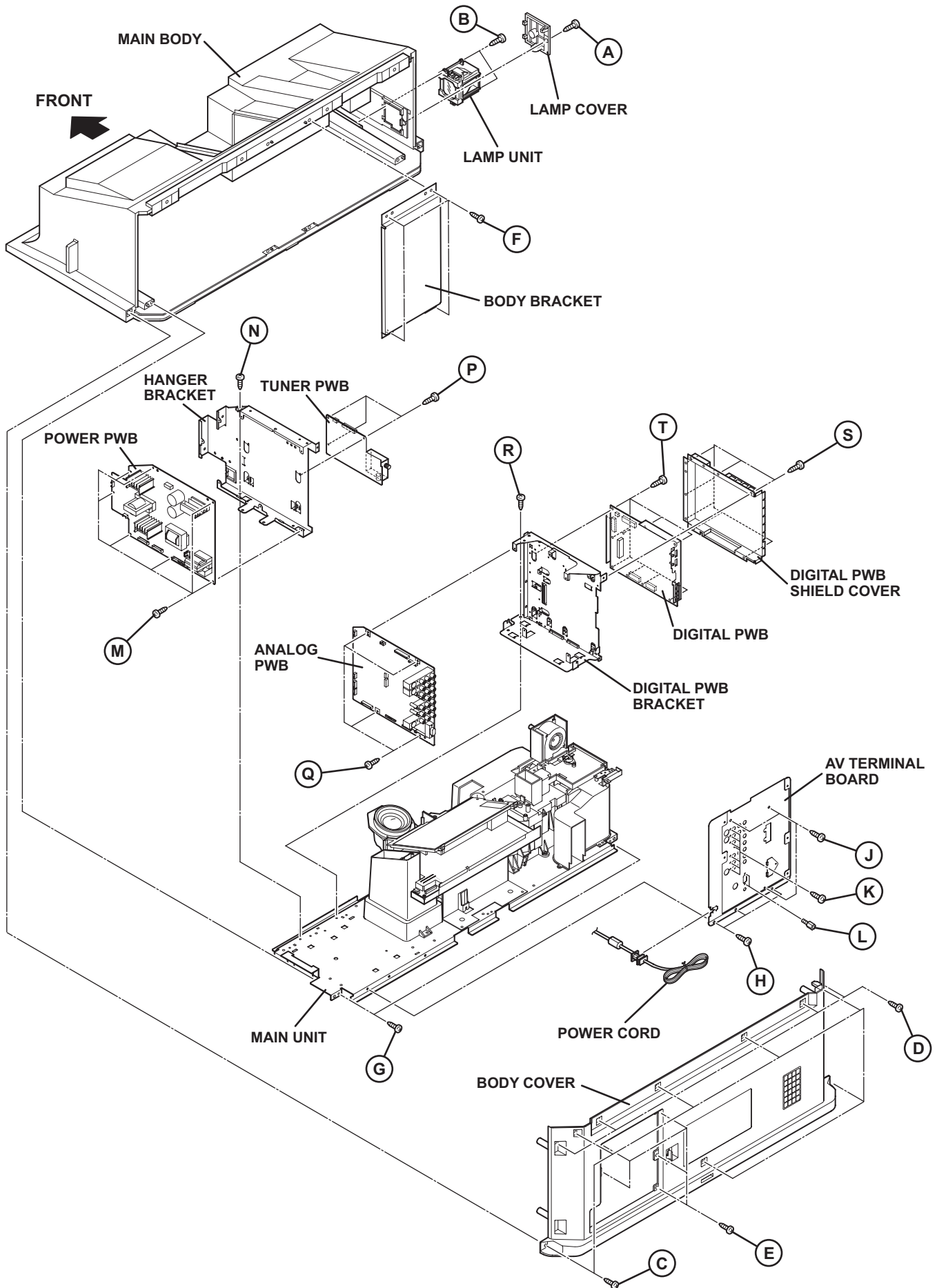


Fig.5

3.1.3.9 REMOVING THE LAMP COVER SW PWB (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
 - (1) Remove the 2 screws [A].
 - (2) Remove the LAMP COVER SW BRACKET with LAMP COVER SW PWB.
 - (3) Remove the 1 screw [B].
 - (4) Remove the LAMP COVER SW PWB.

3.1.3.10 REMOVING THE THERMOSTAT (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
 - (1) Remove the 2 screws [C].
 - (2) Remove the THERMOSTAT.

3.1.3.11 REMOVING THE LAMP FAN DUCT (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the THERMOSTAT.
 - (1) Remove the 5 screws [D].
 - (2) Remove the LAMP FAN DUCT.

3.1.3.12 REMOVING THE LAMP COOLING FAN -1 (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
 - (1) Remove the 2 screws [E].
 - (2) Remove the COOLING FAN BRACKET by pulling transversally.
 - (3) Remove the 1 screw [F].
 - (4) Remove the LAMP COOLING FAN-1.

3.1.3.13 REMOVING THE LAMP COOLING FAN -2 (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
- Remove the COOLING FAN BRACKET.
 - (1) Remove the 4 screws [G].
 - (2) Remove the LAMP COOLING FAN -2.

3.1.3.14 REMOVING THE LAMP BALLAST BLOCK (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
 - (1) Remove the 1 screw [H].
 - (2) Remove the LAMP BALLAST BLOCK.
 - (3) Remove the 2 screws [J].
 - (4) Remove the LAMP BALLAST DUCT.
 - (5) Remove the 2 screws [K].
 - (6) Remove the LAMP BALLAST UNIT.

3.1.3.15 REMOVING THE IRIS PWB (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
 - (1) Remove the 2 screws [L].
 - (2) Remove the IRIS PWB.

3.1.3.16 REMOVING THE REMOCON PWB(Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
 - (1) Remove the 1 screw [M].
 - (2) Remove the REMOCON PWB.

3.1.3.17 REMOVING THE OPTICAL / DRIVE ASS'Y (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
 - (1) Remove the 7 screws [N], 6 screws [P] and 1 screw [Q].
 - (2) Remove the OPTICAL / DRIVE ASS'Y.
 - OPTICAL BLOCK (D-ILA device, PBS, Field lens, Integrater, Mirror etc.)
 - PROJECTION LENS
 - Optical base
 - DRIVE PWB
 - IRIS PWB
 - TOP DUCT
 - SHIELD COVER

NOTE :

- The OPTICAL / DRIVE ASS'Y contains precision optical components.
- Handle carefully and avoid imparting strong shock.
- OPTICAL / DRIVE ASS'Y construction
- When not performing repair work, attach the cap on the lens to preventing dust from covering.
- When mounting to the set, make sure the front of the lens side is in contact with the cushion on the body side.
- Do not leave the OPTICAL / DRIVE ASS'Y removed for long time to prevent soiling from dust.

3.1.3.18 REMOVING THE DRIVE PWB (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
 - (1) Slide the TOP DUCT PLATE and remove it.
 - (2) Remove the 1 screw **[R]** and the 1 screw **[S]**.
 - (3) Remove the TOP DUCT.
 - (4) Remove the SHIELD TOP CASE.
 - (5) Remove the 3 screws **[T]** and the 1 screw **[U]**.
 - (6) Remove the DRIVE PWB.

3.1.3.19 REMOVING THE OPTICAL BLOCK COOLING FAN (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
- Remove the OPTICAL / DRIVE ASS'Y
 - (1) Remove the 2 screws **[V]**.
 - (2) Remove the SIROCCO TOP CASE.
 - (3) Remove the 2 screws **[W]**.
 - (4) Remove the OPTICAL BLOCK COOLING FAN.

3.1.3.20 REMOVING THE PROJECTION LENS (Fig.6)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
 - (1) Remove the 4 screws **[X]**.
 - (2) Remove the PROJECTION LENS.

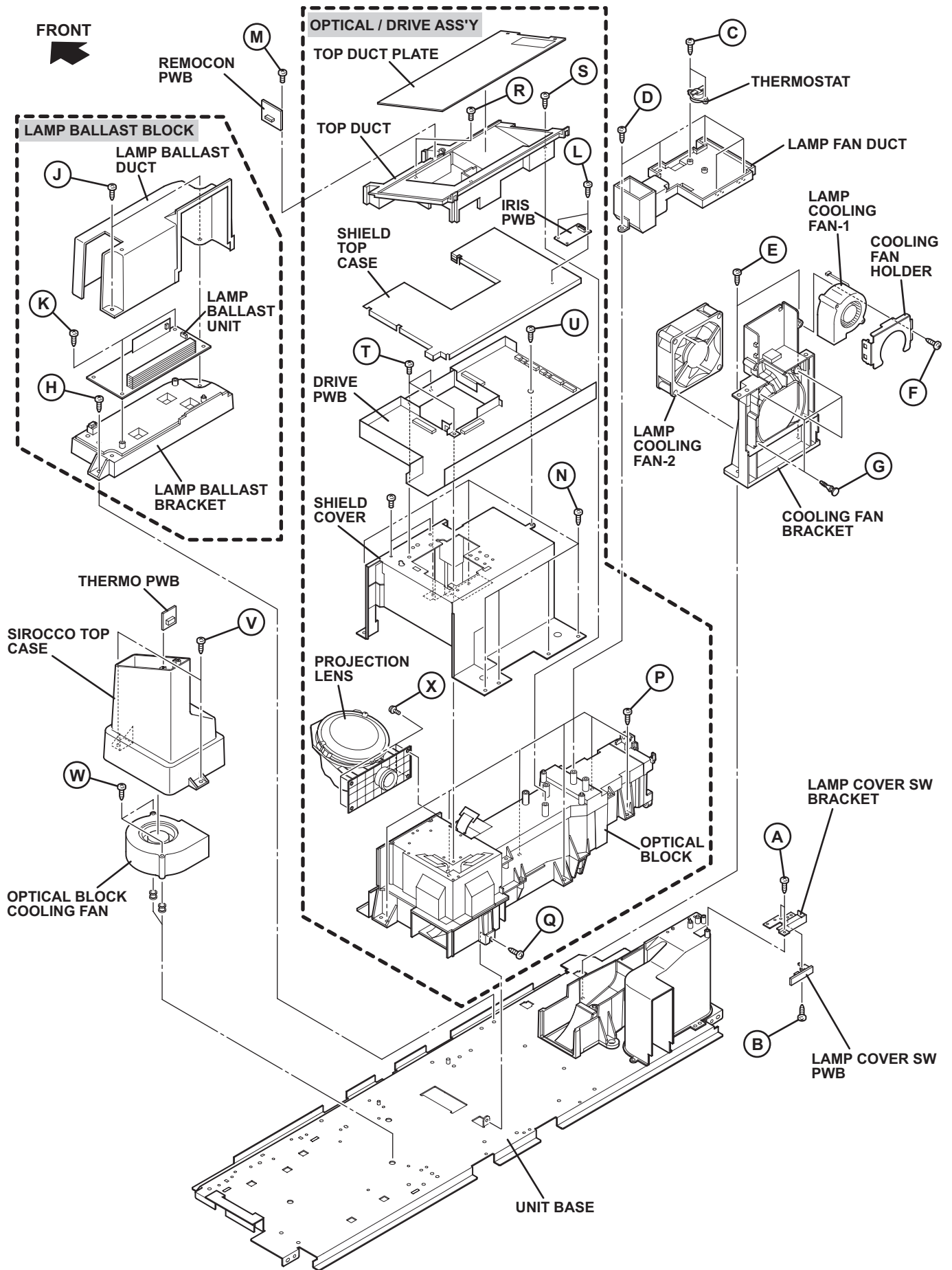


Fig.6

3.2 MEMORY IC REPLACEMENT

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

3.2.1 MEMORY IC TABLE

Simbol	Number of pins	Mounting PWB	Main content of data
IC3753	8-pin	DRIVE PWB	Adjustment and setting data (GAMMA, SHADING, etc.) of IC3701 (DRIVE CPU) are memorized.
IC7201	48-pin	DIGITAL PWB	Program(Video process) of IC6001 (System CPU) is memorized.
IC7602	8-pin	DIGITAL PWB	Setting value of IC7301 (MAIN CPU) is memorized.

3.2.2 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

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

2. Replace the memory IC

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

3. Power on

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

4. Receiving channel setting

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

5. User setting

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

6. SERVICE MODE setting

Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.2.3 SERVICE MODE SETTING

■SERVICE MODE SCREEN

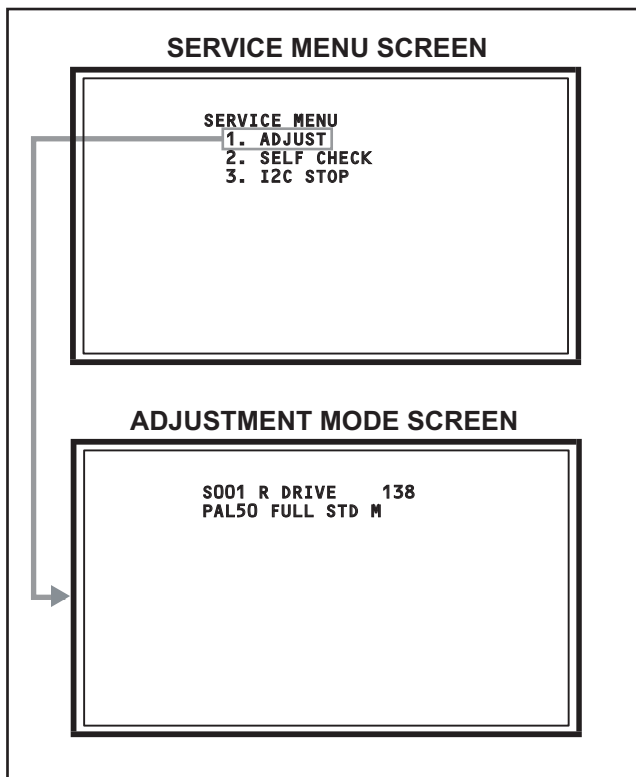


Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001 - S009
Audio system setting	Fixed	T001 - T003
Main CPU system setting	Fixed	M001 - M224
Drive system setting	Fixed	F001 - F002
(NOT USED)	Fixed	D001
(NOT USED)	Fixed	Z001

3.2.4 SETTINGS OF FACTORY SHIPMENT

3.2.4.1 BUTTON OPERATION

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

3.2.4.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item	Setting position	
PICTURE MODE	BRIGHT	
WHITE BALANCE	COOL	
FEATURES		
Super DigiPure	AUTO	
PULL DOWN	AUTO	
COLOUR MANAGEMENT	ON	
PICTURE MANAGEMENT	ON	
ADVANCED SMART PICTURE	OFF	
MPEG NOISE REDUCTION	ON	
COLOUR SYSTEM	MAIN	Depends on PR/CH
	SUB	AUTO
4:3 AUTO ASPECT	PANORAMIC	

(2) SOUND

Setting item	Setting position
STEREO / I•II	Stereo sound
BASS	Centre
TREBLE	Centre
BALANCE	Centre
CINEMA SURROUND	OFF
MaxxBass	LOW
VOICE ENHANCER	OFF

3.2.4.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR1
VOLUME	10
ZOOM	PANORAMIC
CINEMA SURROUND	OFF
SUB PICTURE	VIDEO-2

(4) FEATURES

Setting item	Setting position
SLEEP TIMER	OFF
CHANNEL GUARD	ID NO.0000, All CH off
APPEARANCE	TYPE A
BLUE BACK	ON
CHILD LOCK	OFF
AUTO SHUTOFF	OFF
FAVORITE SETTING	RESET
ILLUMINATION	BRIGHT

(5) SET UP

Setting item	Setting position		
AUTO PROGRAM	TV channel automatically set		
EDIT/MANUAL	PRESET CH only		
LANGUAGE	ENGLISH		
VIDEO-1 SETTING	COMPONENT		
VIDEO-3 SETTING	COMPONENT		
AI VOLUME	ON		
TELETEXT LANGUAGE	GROUP-1		
HDMI SETTING	HDMI-1	SIZE	AUTO
		AUDIO	AUTO
	HDMI-2	SIZE	AUTO

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

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

3.3.2 SOLDERING IRON

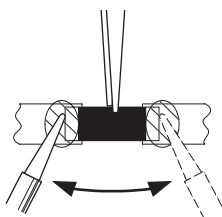
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

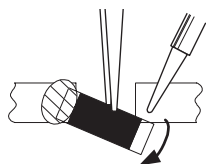
1. How to remove Chip parts

[Resistors, capacitors, etc.]

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



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

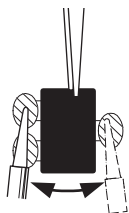


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



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



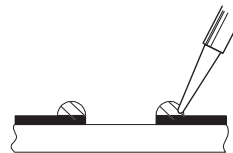
NOTE :

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

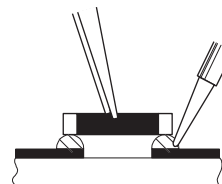
2. How to install Chip parts

[Resistors, capacitors, etc.]

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

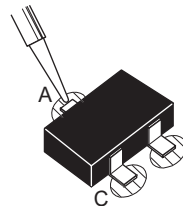


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

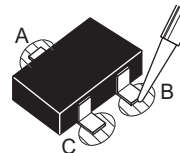


[Transistors, diodes, variable resistors, etc.]

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



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



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**
- (2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

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

Setting item	Settings
PICTURE MODE	STANDARD
PICTURE adjustments	Centre
WHITE BALANCE	MID
Super DigiPure	AUTO
PULL DOWN	AUTO
COLOUR MANAGEMENT	ON
PICTURE MANAGEMENT	ON
Advanced Smart Picture	OFF
MPEG Noise Reduction	OFF
SOUND adjustments	Centre
CINEMA SORROUND	OFF
MaxxBass	OFF
Voice Enhancer	OFF
ZOOM	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Signal generator (Pattern generator)
[PAL /625i / 1125i]
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ FOCUS

- LENS FOCUS adjustment

■ DRIVE CIRCUIT

- DRIVE CONVERGENCE adjustment
- DRIVE CENTRE POSITION adjustment

■ VIDEO CIRCUIT

- WHITE BALANCE (HIGHLIGHT) adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

(1) Press the **[DISPLAY]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.

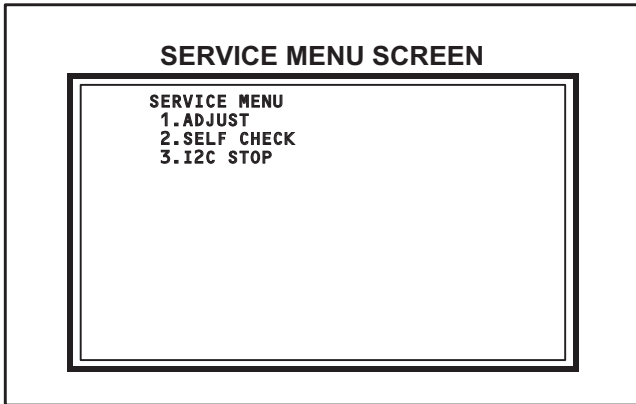


Fig.1

NOTE:

- Before entering the self check mode, confirm that the MODE SW of the REMOTE CONTROL UNIT is set to "TV". If the switch has not been properly set, you cannot enter the self check mode.
- When a number key other than the **[1]** or **[9]** keys is pressed in the SERVICE 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 SERVICE MENU SCREEN.

4.5.4 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT.

4.5.4.1 HOW TO ENTER THE ADJUSTMENT MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[1]** key to enter the **ADJUSTMENT MODE** (Fig.2).

4.5.4.2 DESCRIPTION OF STATUS DISPLAY OF ADJUSTMENT MODE

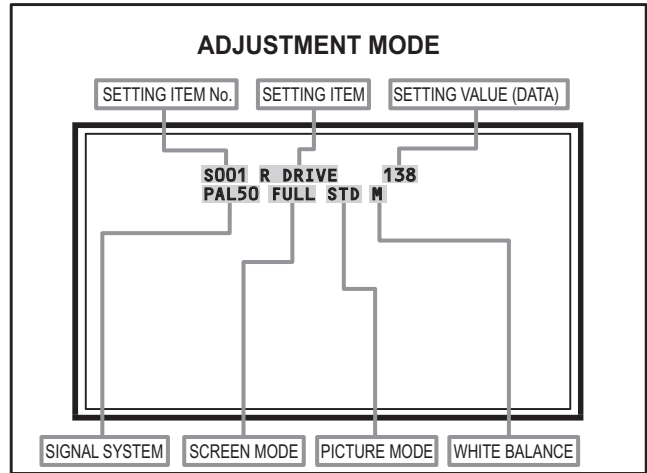


Fig.2

(1) SIGNAL SYSTEM

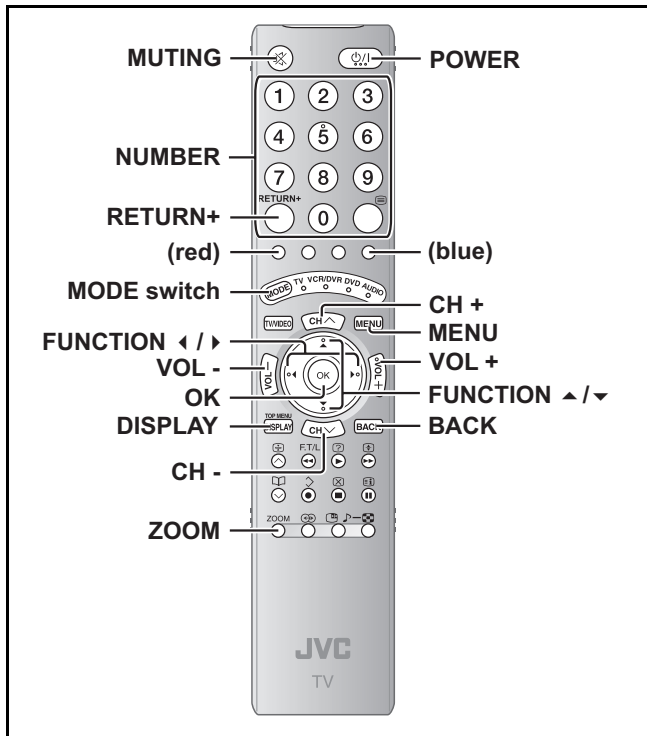
The signal displayed on the screen is displayed.

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

4.5.2 HOW TO EXIT THE SERVICE MODE

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

4.5.3 SERVICE MODE SELECT KEY LOCATION



(2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

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

MULTI SCREEN

- M2 : TWIN, FREEZE screen
- M12 : INDEX screen

(3) PICTURE MODE

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

(4) WHITE BALANCE

- H : COOL
- M : MID
- L : WARM

(5) SETTING ITEM NAME

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

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

(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.

4.5.4.3 CHANGE AND MEMORY OF SETTING VALUE

■SELECTION OF SETTING ITEM

- **[CH+] / [CH-]** key.
Change the setting items up/ down.

S001... ↔ T001... ↔ M001... ↔ F001... ↔ D001... ↔ Z001...

■CHANGE OF SETTING VALUE (DATA)

- **[VOL+] / [VOL-]** key.
Change the setting values up/down.

■MEMORY OF SETTING VALUE (DATA)

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

4.5.5 RGB BOX PATTERN MODE

This mode is used to adjust the DRIVE CIRCUIT.

4.5.5.1 HOW TO ENTER THE RGB BOX PATTERN MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[9]** key to enter the **RGB BOX PATTERN MODE (Fig3)**.

4.5.5.2 DESCRIPTION OF STATUS DISPLAY OF RGB BOX PATTERN MODE

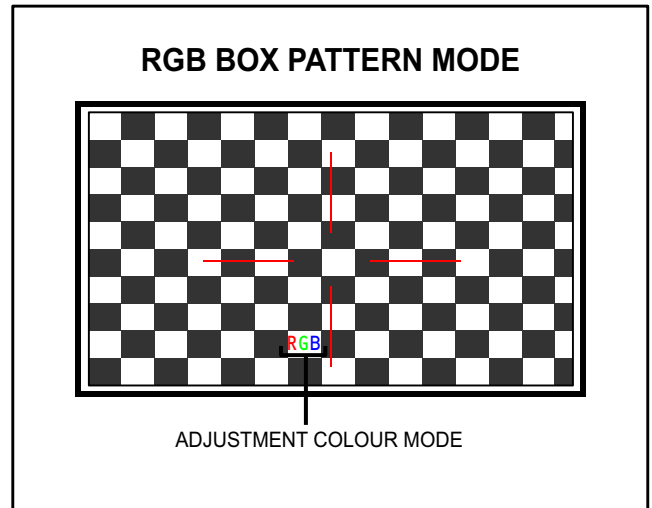


Fig.3

(1) RGB BOX PATTERN

The checkered pattern is displayed. White is a synthesis of RGB.

(2) ADJUSTMENT COLOUR MODE

Presently selected ADJUSTMENT COLOUR MODE is displayed.

■SELECTION OF SETTING ITEM

- **[CH+] / [CH-]** key.
Move the selected RGB BOX PATTERN up/ down pixel by pixel.
- **[VOL+] / [VOL-]** key.
Move the selected RGB BOX PATTERN left/ right pixel by pixel.
- **[blue]** key.
Adjust the data reset.
- **[DISPLAY]** key.
Adjust the selected ADJUSTMENT COLOUR MODE of RGB BOX PATTERN.

R → B → RGB

- **[BACK]** key.
Return to the SERVICE MENU SCREEN from the RGB BOX PATTERN MODE.

■MEMORY OF SETTING VALUE (DATA)

With the RGB BOX PATTERN MODE, the changed date is written in the MEMORY instantly.

4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

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

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
S001	R DRIVE	0 - 255	138
S002	G DRIVE	0 - 255	138
S003	B DRIVE	0 - 255	121
S004	RESREV	0 - 255	0
S005	RESREV	0 - 255	2
S006	RESREV	0 - 255	2
S007	RESREV	0 - 255	2
S008	RESREV	0 - 255	2
S009	RESREV	0 - 255	2

4.6.2 AUDIO SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
T001	RESREV	0 - 15	2
T002	RESREV	0 - 63	2
T003	RESREV	0 - 63	2

4.6.3 MAIN CPU SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
M001	1E00	00 - FF	00
M002	1E01	00 - FF	00
M003	1E02	00 - FF	05
M004	1E03	00 - FF	01
M005	1E04	00 - FF	00
M006	1E05	00 - FF	00
M007	1E06	00 - FF	00
M008	1E07	00 - FF	00
M009	1E08	00 - FF	00
M010	1E09	00 - FF	00
M011	1E0A	00 - FF	01
M012	1E0B	00 - FF	00
M013	1E0C	00 - FF	01
M014	1E0D	00 - FF	00
M015	1E0E	00 - FF	00
M016	1E0F	00 - FF	00
M017	1E10	00 - FF	01
M018	1E11	00 - FF	00
M019	1E12	00 - FF	00
M020	1E13	00 - FF	01
M021	1E14	00 - FF	01
M022	1E15	00 - FF	00
M023	1E16	00 - FF	00
M024	1E17	00 - FF	00
M025	1E18	00 - FF	00
M026	1E19	00 - FF	00
M027	1E1A	00 - FF	00

Item No.	Item	Variable range	Setting value
M028	1E1B	00 - FF	00
M029	1E1C	00 - FF	00
M030	1E1D	00 - FF	00
M031	1E1E	00 - FF	00
M032	1E1F	00 - FF	00
M033	1E20	00 - FF	00
M034	1E21	00 - FF	00
M035	1E22	00 - FF	00
M036	1E23	00 - FF	00
M037	1E24	00 - FF	00
M038	1E25	00 - FF	00
M039	1E26	00 - FF	00
M040	1E27	00 - FF	00
M041	1E28	00 - FF	00
M042	1E29	00 - FF	00
M043	1E2A	00 - FF	00
M044	1E2B	00 - FF	00
M045	1E2C	00 - FF	00
M046	1E2D	00 - FF	00
M047	1E2E	00 - FF	00
M048	1E2F	00 - FF	00
M049	1E30	00 - FF	00
M050	1E31	00 - FF	02
M051	1E32	00 - FF	01
M052	1E33	00 - FF	00
M053	1E34	00 - FF	00
M054	1E35	00 - FF	00
M055	1E36	00 - FF	01
M056	1E37	00 - FF	00
M057	1E38	00 - FF	A8
M058	1E39	00 - FF	4E
M059	1E3A	00 - FF	01
M060	1E3B	00 - FF	30
M061	1E3C	00 - FF	00
M062	1E3D	00 - FF	00
M063	1E3E	00 - FF	00
M064	1E3F	00 - FF	00
M065	1E40	00 - FF	00
M066	1E41	00 - FF	00
M067	1E42	00 - FF	03
M068	1E43	00 - FF	36
M069	1E44	00 - FF	00
M070	1E45	00 - FF	20
M071	1E46	00 - FF	03
M072	1E47	00 - FF	01

Item No.	Item	Variable range	Setting value
M073	1E48	00 - FF	00
M074	1E49	00 - FF	00
M075	1E4A	00 - FF	01
M076	1E4B	00 - FF	04
M077	1E4C	00 - FF	01
M078	1E4D	00 - FF	04
M079	1E4E	00 - FF	03
M080	1E4F	00 - FF	00
M081	1E50	00 - FF	06
M082	1E51	00 - FF	00
M083	1E52	00 - FF	23
M084	1E53	00 - FF	00
M085	1E54	00 - FF	00
M086	1E55	00 - FF	00
M087	1E56	00 - FF	00
M088	1E57	00 - FF	00
M089	1E58	00 - FF	00
M090	1E59	00 - FF	00
M091	1E5A	00 - FF	00
M092	1E5B	00 - FF	00
M093	1E5C	00 - FF	00
M094	1E5D	00 - FF	00
M095	1E5E	00 - FF	00
M096	1E5F	00 - FF	00
M097	1E60	00 - FF	00
M098	1E61	00 - FF	00
M099	1E62	00 - FF	00
M100	1E63	00 - FF	00
M101	1E64	00 - FF	00
M102	1E65	00 - FF	00
M103	1E66	00 - FF	00
M104	1E67	00 - FF	00
M105	1E68	00 - FF	00
M106	1E69	00 - FF	00
M107	1E6A	00 - FF	02
M108	1E6B	00 - FF	00
M109	1E6C	00 - FF	00
M110	1E6D	00 - FF	00
M111	1E6E	00 - FF	00
M112	1E6F	00 - FF	00
M113	1E70	00 - FF	01
M114	1E71	00 - FF	00
M115	1E72	00 - FF	05
M116	1E73	00 - FF	00
M117	1E74	00 - FF	07
M118	1E75	00 - FF	00
M119	1E76	00 - FF	07
M120	1E77	00 - FF	0A
M121	1E78	00 - FF	00
M122	1E79	00 - FF	00

Item No.	Item	Variable range	Setting value
M123	1E7A	00 - FF	00
M124	1E7B	00 - FF	00
M125	1E7C	00 - FF	00
M126	1E7D	00 - FF	00
M127	1E7E	00 - FF	00
M128	1E7F	00 - FF	00
M129	1E80	00 - FF	01
M130	1E81	00 - FF	00
M131	1E82	00 - FF	01
M132	1E83	00 - FF	00
M133	1E84	00 - FF	00
M134	1E85	00 - FF	00
M135	1E86	00 - FF	00
M136	1E87	00 - FF	00
M137	1E88	00 - FF	00
M138	1E89	00 - FF	00
M139	1E8A	00 - FF	00
M140	1E8B	00 - FF	00
M141	1E8C	00 - FF	00
M142	1E8D	00 - FF	00
M143	1E8E	00 - FF	00
M144	1E8F	00 - FF	00
M145	1E90	00 - FF	00
M146	1E91	00 - FF	00
M147	1E92	00 - FF	00
M148	1E93	00 - FF	00
M149	1E94	00 - FF	00
M150	1E95	00 - FF	00
M151	1E96	00 - FF	00
M152	1E97	00 - FF	00
M153	1E98	00 - FF	00
M154	1E99	00 - FF	00
M155	1E9A	00 - FF	01
M156	1E9B	00 - FF	00
M157	1E9C	00 - FF	03
M158	1E9D	00 - FF	00
M159	1E9E	00 - FF	00
M160	1E9F	00 - FF	00
M161	1EA0	00 - FF	00
M162	1EA1	00 - FF	00
M163	1EA2	00 - FF	01
M164	1EA3	00 - FF	00
M165	1EA4	00 - FF	00
M166	1EA5	00 - FF	00
M167	1EA6	00 - FF	00
M168	1EA7	00 - FF	00
M169	1EA8	00 - FF	00
M170	1EA9	00 - FF	00
M171	1EAA	00 - FF	00
M172	1EAB	00 - FF	00

Item No.	Item	Variable range	Setting value
M173	1EAC	00 - FF	0A
M174	1EAD	00 - FF	00
M175	1EAE	00 - FF	00
M176	1EAF	00 - FF	00
M177	1EB0	00 - FF	00
M178	1EB1	00 - FF	00
M179	1EB2	00 - FF	00
M180	1EB3	00 - FF	00
M181	1EB4	00 - FF	00
M182	1EB5	00 - FF	00
M183	1EB6	00 - FF	00
M184	1EB7	00 - FF	00
M185	1EB8	00 - FF	00
M186	1EB9	00 - FF	00
M187	1EBA	00 - FF	00
M188	1EBB	00 - FF	00
M189	1EBC	00 - FF	00
M190	1EBD	00 - FF	00
M191	1EBE	00 - FF	00
M192	1EBF	00 - FF	00
M193	1EC0	00 - FF	00
M194	1EC1	00 - FF	00
M195	1EC2	00 - FF	00
M196	1EC3	00 - FF	00
M197	1EC4	00 - FF	00
M198	1EC5	00 - FF	00
M199	1EC6	00 - FF	00
M200	1EC7	00 - FF	00
M201	1EC8	00 - FF	01
M202	1EC9	00 - FF	00
M203	1ECA	00 - FF	00
M204	1ECB	00 - FF	00

Item No.	Item	Variable range	Setting value
M205	1ECC	00 - FF	02
M206	1ECD	00 - FF	00
M207	1ECE	00 - FF	01
M208	1ECF	00 - FF	00
M209	1ED0	00 - FF	10
M210	1ED1	00 - FF	00
M211	1ED2	00 - FF	00
M212	1ED3	00 - FF	00
M213	1ED4	00 - FF	00
M214	1ED5	00 - FF	00
M215	1ED6	00 - FF	00
M216	1ED7	00 - FF	00
M217	1ED8	00 - FF	00
M218	1ED9	00 - FF	00
M219	1EDA	00 - FF	00
M220	1EDB	00 - FF	00
M221	1EDC	00 - FF	00
M222	1EDD	00 - FF	00
M223	1EDE	00 - FF	00
M224	1EDF	00 - FF	00

4.6.4 DRIVE SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
F001	DD	000 - 001	000
F002	RAM REF	000 - 001	000

4.6.5 NOT USED (Fixed values)

Item No.	Item	Variable range	Setting value
D001	RESREV	000 - 255	002

4.6.6 NOT USED (Fixed values)

Item No.	Item	Variable range	Setting value
Z001	RESREV	000 - 255	002

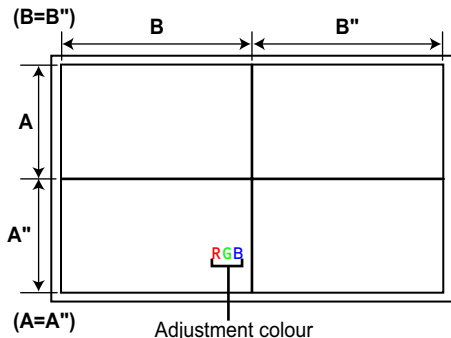
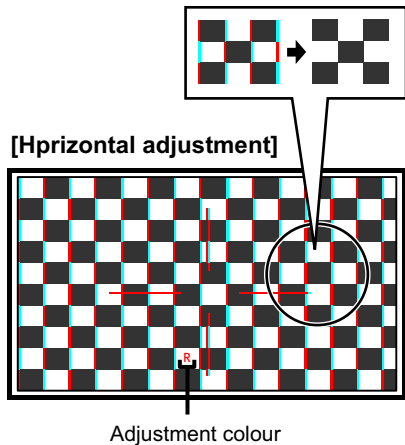
4.7 ADJUSTMENT PROCEDURE

4.7.1 FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
LENS FOCUS	Hexagon wrench (2.5mm)		FOCUS ring [PROJECTION LENS]	(1) Remove the SPEAKER GRILL and CENTRE COVER. (2) Display the MENU screen. (3) Loosen the focus lock screw. (4) Adjust the FOCUS ring so that the centre screen may become the best focus. (5) Fix the focus lock screw by using the Hexagon wrench. <ul style="list-style-type: none"> On this occasion, hold the FOCUS ring with your left hand. (6) Confirm the whole focus of the best screen. (7) Install the CENTRE COVER and SPEAKER GRILL.

4.7.2 DRIVE CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
<p>DRIVE CONVERGENCE</p>	<p>Remote control unit</p>		<p>[9.RGB BOX PATTERN]</p>	<p>(1) Press the [DISPLAY] key and [MUTING] key simultaneously, then enter the SERVICE MODE.</p> <p>(2) Press the [9] key, to select "RGB BOX PATTERN MODE" from the SERVICE MODE.</p> <p>(3) Set the adjustment colour mode to "R" to set the red colour adjustment mode.</p> <p>(4) At Horizontal RGB box pattern, adjust the top edge position as same or less than 0.5 pixel high as green.</p> <p>(5) At Vertical RGB box pattern, adjust the right edge position as same or less than 0.5 pixel high as green.</p> <p>(6) Set the adjustment colour mode to "B" to set the blue colour adjustment mode.</p> <p>(7) At Horizontal RGB box pattern, adjust the top edge position as same or less than 0.5 pixel high as green.</p> <p>(8) At Vertical RGB box pattern, adjust the right edge position as same or less than 0.5 pixel high as green.</p> <p>(9) Check to see that the cross pattern is white. If the cross pattern is not white, repeat the step 3. to 8. as above.</p> <p>NOTE:</p> <ul style="list-style-type: none"> • Green is fixed. (It can not be removed.) • With this adjustment mode, the changed data is written in the MEMORY instantly.
<p>DRIVE CENTRE POSITION</p>	<p>Remote control unit Signal generator</p>		<p>[9.RGB BOX PATTERN]</p>	<p>(1) Receive a centre cross (or crosshatch) pattern.</p> <p>(2) Press the [DISPLAY] key and [MUTING] key simultaneously, then enter the SERVICE MODE.</p> <p>(3) Press the [9] key, to select "RGB BOX PATTERN MODE" from the SERVICE MODE.</p> <p>(4) Set the adjustment colour mode to "RGB" to set the display position adjustment mode.</p> <p>(5) Adjust the top and the bottom width to make A and A'' even.</p> <p>(6) Adjust the left and the right width to make B and B'' even.</p> <p>NOTE:</p> <ul style="list-style-type: none"> • With this adjustment mode, the changed data is written in the MEMORY instantly.



4.7.3 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S001: R DRIVE (Red drive) S002: G DRIVE (Green drive) S003: B DRIVE (Blue drive)	(1) Receive a PAL 75% all white pattern. (2) Set "PICTURE MODE" to " STANDARD ". (3) Set "ZOOM" to " FULL ". (4) Select "WHITE BALANCE" to " MID ". (5) Select " 1.ADJUST " from the SERVICE MODE. (6) Adjust to keep one of <S001> (Red drive), <S002> (Green drive) or <S003> (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. NOTE: Set one or more of <S001>, <S002>, and <S003> to " 138 ". (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 memoirze 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 mode, confirm that the MODE SW of the REMOTE CONTROL UNIT is set to "TV". If the switch has not been properly set, you cannot enter the Self check mode.

- (1) Press the **[DISPLAY]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
 - (2) Press the **[2]** key (SELF CHECK) before the service mode screen disappears.
 - (3) Self check mode screen is displayed.
 - (4) Press the **[red]** 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 **[2]** key is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.

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

5.1.3 HOW TO EXIT THE SELF CHECK MODE

TO SAVE FAILURE HISTORY:

Turn off the power by unplugging the AC power cord plug when in the Self check 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 mode.

5.1.4 FAILURE HISTORY

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

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and 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 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.

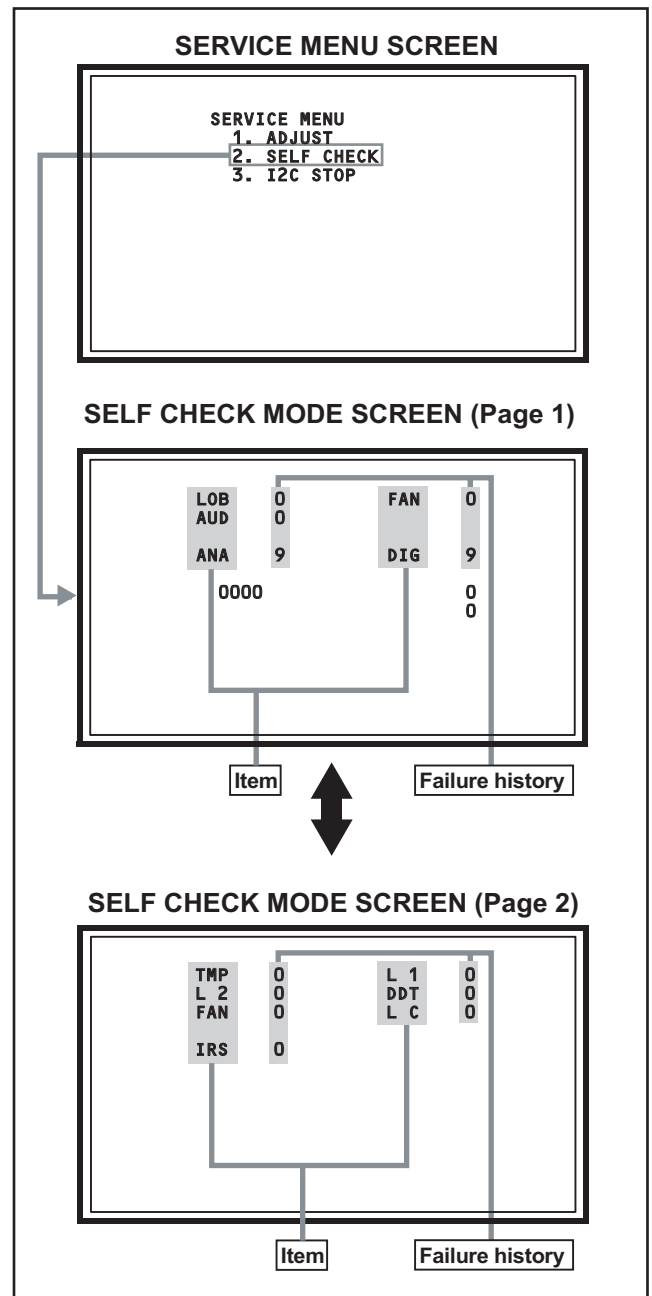


Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

<Page 1 of screen>

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Detection of the low bias line(5V/9V/12V) short. Q9821 , Q9831 , Q9861 [POWER PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 1000ms the power is turned off.
Fan lock	FAN	Not used	----	----
Audio	AUD	Not used	----	----
Devices on the ANALOG PWB and the TUNER PWB	ANA	Confirmation of reply of ACK signal which uses I ² C communication. IC101 , IC102 , IC551 , IC601 , IC606 [ANALOG PWB] IC3501 , TU3001 [TUNER PWB]	SDA	Detection starts 3 seconds after the power is turned on. If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
Devices on the DIGITAL PWB	DIG	Not used	----	----

<Page 2 of screen>

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Temp. sensor	TMP	Confirmation of the abnormal inner cabinet temperature. (53°C) IC2001 [THERMO PWB]	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Lamp does not light up	L1	Confirm that the lamp dose not light up. CNBCT1 [DRIVE PWB]	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Lamp goes out	L2	Confirm that the lamp dose not goes out. CNBCT1 [DRIVE PWB]	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Abnormal DD CPU circuit	DDT	Confirmation of the serial communication error between DRIVE PWB and DIGITAL PWB. IC3701 [DRIVE PWB]	TXD	It will count if the serial communication error is error occurs.
Fan lock	FAN	Confirmation of the lock signals outputting the operation(circuit) status of the cooling fan. IC8005 [DRIVE PWB]	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Lamp cover open	LC	Confirmation of the interlock switch status for the lamp cover. S0861 [LAMP COVER SW PWB]	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Abnormal of optical iris	IRS	Confirmation of the abnormal optical iris operation. IC5005 [IRIS PWB]	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.

5.1.7 DISPLAY METHOD WHEN RASTER IS NOT AVAILABLE

In a state where a display screen does not appear due to the failure of this unit, the POWER LED (blue) and LAMP/PROGRAM LED (orange) can be flashing and display a trouble mode.

The factors in case the power is forcibly shut down at the time of failure are memorized and those are displayed.

Check item	Contents	Classifications	LED flash cycle	
			POWER LED (BLUE)	LAMP/PROGRAM LED (ORANGE)
Low bias line short protection	Detection of the low bias line(5V/9V/12V) short. Q9821 , Q9831 , Q9861 [POWER PWB]	1	---	1 sec interval
Lamp cover open	Detection of the interlock switch status for the lamp cover. (H = Abnormal) S0861 [LAMP COVER SW PWB]	2	0.1 sec interval Simultaneously	
Lamp goes out	Detection of lamp return (LAMP_RTN) signals output depending on the status of the lamp supply electric current monitored constantly within the lamp ballast unit. (H = Off) CNBCT1 [DRIVE PWB]	5	0.1 sec interval Simultaneously	
Lamp does not light up	Detection of lamp return (LAMP_RTN) signals output depending on the status of the lamp supply electric current monitored constantly within the lamp ballast unit. (H = Off) CNBCT1 [DRIVE PWB]	5	0.1 sec interval Simultaneously	
Fan lock (stop) for optical system	Detection of LOCK signals outputting the operation (circuit) status of the cooling fan. (H=Abnormal) IC8005 [DRIVE PWB]	3	0.5 sec interval Alternately	
Abnormal DD CPU circuit	Detection of serial communication error between MAIN DRIVE PWB and RECEIVER PWB. IC3701 [DRIVE PWB]	4	0.5 sec interval Alternately	
Abnormal D-ILA DEVICE temperature	Detection of abnormal inner cabinet temperature. (53°C) IC2001 [THERMO PWB]	6	0.5 sec interval Alternately	

EXPLANATION ON ACTION

If NG is detected on an item being diagnosed, turn off the power on this unit. As soon as the power goes off, turn on and off POWER LED and LAMP LED immediately. After the power is shut down, it becomes impossible to turn on the power until the power cable is either plugged in or unplugged from the AC outlet.

- When the error of [1] occurs, [2], [3], [4], [5], [6] are no longer recognized.



JVC

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(No. YA460)

PARTS LIST

CAUTION

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

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

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

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POWER P.W. BOARD ASS'Y (LCA90658-01A) (SRA-9501A)	3-39
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SIDE CONTROL P.W. BOARD ASS'Y (LCA90662-01B) (SRA-0L051A)	3-44
LAMP COVER SW P.W. BOARD ASS'Y (LCA90661-01A) (SRA-0L251A)	3-44
FRONT LED P.W. BOARD ASS'Y (LCA90660-01A) (SRA-0L502A)	3-44
TUNER P.W. BOARD ASS'Y (LCA10731-01B) (SRA-0R501A)	3-44
PRINTED WIRING BOARD PARTS LIST [HD-Z70RF7, HD-Z70RF7/A, HD-Z70RF7/S]	3-45
ANALOG P.W. BOARD ASS'Y (LCA10730-01B) (SRA-1501A)	3-45
DRIVE P.W. BOARD ASS'Y (LCA90635-02A) (SRA-3006A)	3-45
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LAMP COVER SW P.W. BOARD ASS'Y (LCA90661-01A) (SRA-0L251A)	3-50
FRONT LED P.W. BOARD ASS'Y (LCA90659-01A) (SRA-0L501A)	3-50
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USING P.W. BOARD & REMOTE CONTROL UNIT

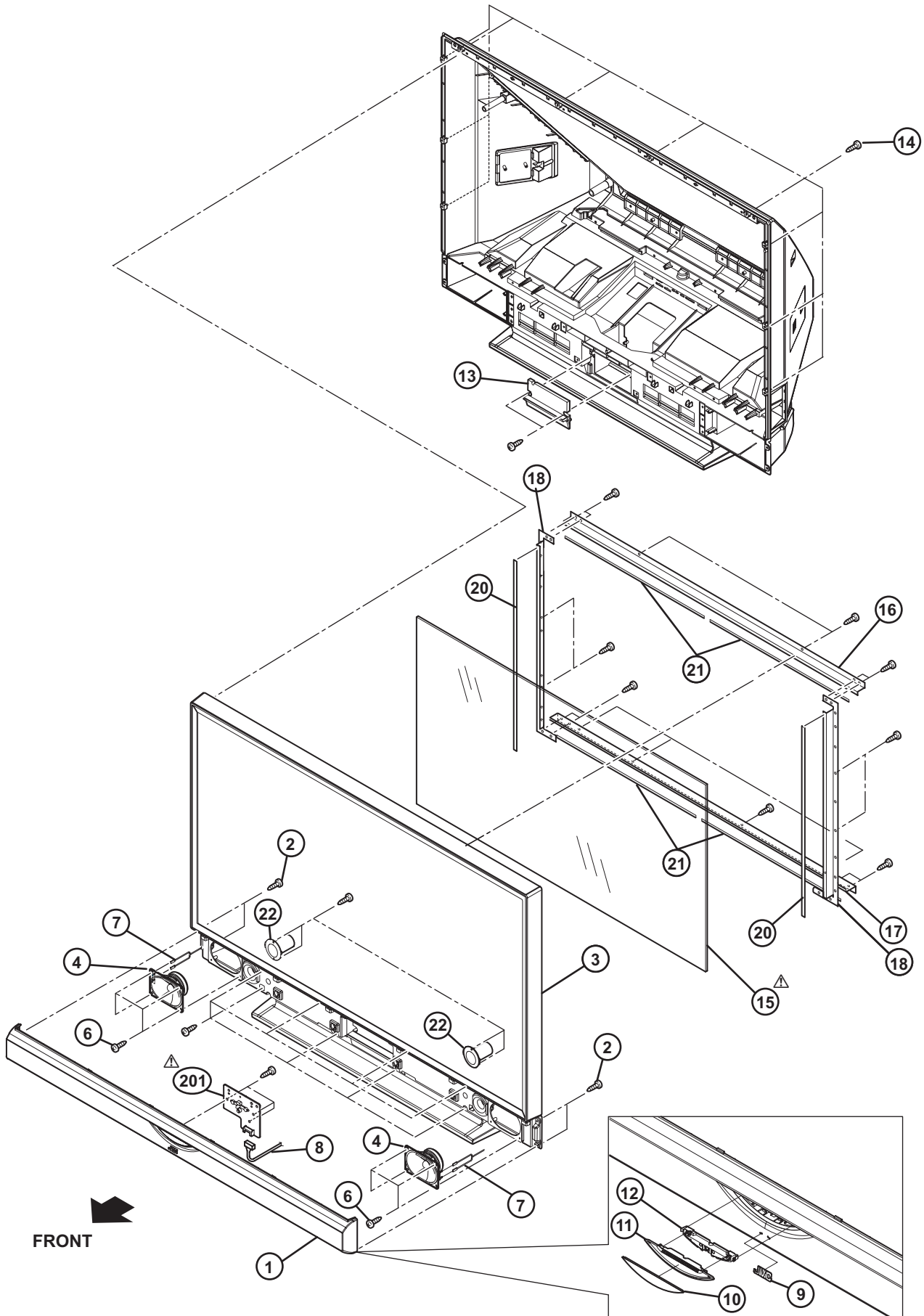
P.W.B ASS'Y name	P.W.B ASS'Y No.					
	HD-Z56RF7	HD-Z56RF7/A	HD-Z56RF7/S	HD-Z61RF7	HD-Z61RF7/A	HD-Z61RF7/S
ANALOG P.W.B	LCA10730-01B (SRA-1501A)	←	←	←	←	←
DRIVE P.W.B	LCA90635-02A (SRA-3006A)	←	←	←	←	←
REMOCON P.W.B	LCA90663-01A (SRA-8051A)	←	←	←	←	←
TEMP P.W.B	LCA90534-03B (SRA-8204A)	←	←	←	←	←
IRIS P.W.B	LCA90652-02A (SRA-8304A)	←	←	←	←	←
POWER P.W.B	LCA90658-01A (SRA-9501A)	←	←	←	←	←
DIGITAL P.W.B	LCA10708-23C (SRA-0D503A)	←	←	LCA10708-22C (SRA-0D502A)	←	←
SIDE CONTROL P.W.B	LCA90662-01B (SRA-0L051A)	←	←	←	←	←
LAMP COVER SW P.W.B	LCA90661-01A (SRA-0L251A)	←	←	←	←	←
FRONT LED P.W.B	LCA90660-01A (SRA-0L502A)	←	←	←	←	←
TUNER P.W.B	LCA10731-01B (SRA-0R501A)	←	←	←	←	←
REMOTE CONTROL UNIT	RM-C1855-1C	←	←	←	←	←

P.W.B ASS'Y name	P.W.B ASS'Y No.		
	HD-Z70RF7	HD-Z70RF7/A	HD-Z70RF7/S
ANALOG P.W.B	LCA10730-01B (SRA-1501A)	←	←
DRIVE P.W.B	LCA90635-02A (SRA-3006A)	←	←
REMOCON P.W.B	LCA90663-01A (SRA-8051A)	←	←
TEMP P.W.B	LCA90534-03B (SRA-8204A)	←	←
IRIS P.W.B	LCA90652-02A (SRA-8304A)	←	←
POWER P.W.B	LCA90658-01A (SRA-9501A)	←	←
DIGITAL P.W.B	LCA10708-21C (SRA-0D501A)	←	←
SIDE CONTROL P.W.B	LCA90662-01B (SRA-0L051A)	←	←
LAMP COVER SW P.W.B	LCA90661-01A (SRA-0L251A)	←	←
FRONT LED P.W.B	LCA90659-01A (SRA-0L501A)	←	←
TUNER P.W.B	LCA10731-01B (SRA-0R501A)	←	←
REMOTE CONTROL UNIT	RM-C1855-1C	←	←

EXPLODED VIEW PARTS LIST -1

△ Ref.No.	Part No.	Part Name	Description	Local
1	LC12698-002A-AK	SPEAKER GRILL		HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
1	LC12746-002A-AK	SPEAKER GRILL		HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
2	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x4)	
3	LC12695-002B-AK	FRONT PANEL		HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
3	LC12745-002C-AK	FRONT PANEL		HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
4	QAS0437-001	SPEAKER	(x2)	
6	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x8)	
7	WJZ0169-001A-E	E-HARNESS ASSY	for SPEAKER	
8	WJJ0486-001A-E	E-SI C WIRE C-C	FRONT LED CN9F - ANALOG	
9	LC33535-001A-C	JVC MARK		
10	LC33460-002A	ORNAMENT PLATE		
11	LC22099-001B-A	LED LENS KNOB		
12	LC22100-001B-A	KNOB HOLDER		
13	LC12727-001A-AK	CENTER COVER		
14	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x10)	
△ 15	56ILASC-10A	SCREEN ASSY		HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
△ 15	61SC-010A	SCREEN ASSY		HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
16	LC12717-001A-AK	SCREEN HOLDER	TOP	HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
16	LC12751-001A-AK	SCREEN HOLDER	TOP	HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
17	LC12718-001A-AK	SCREEN HOLDER	BOTTOM	HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
17	LC12752-001A-AK	SCREEN HOLDER	BOTTOM	HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
18	LC12716-001A-AK	SCREEN HOLDER	LEFT/RIGHT(x2)	HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
18	LC12750-001A-AK	SCREEN HOLDER	LEFT/RIGHT(x2)	HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
20	LC22024-047A	SPACER	(x2)	HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
20	LC22024-033A	SPACER	(x2)	HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
21	LC22024-048A	SPACER	(x4)	HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
21	LC22024-051A	SPACER	(x4)	HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
22	LC33504-001A-A	SPEAKER DUCT	(x2)	
△ 201	LCA90660-01A	FRONT LED PWB		

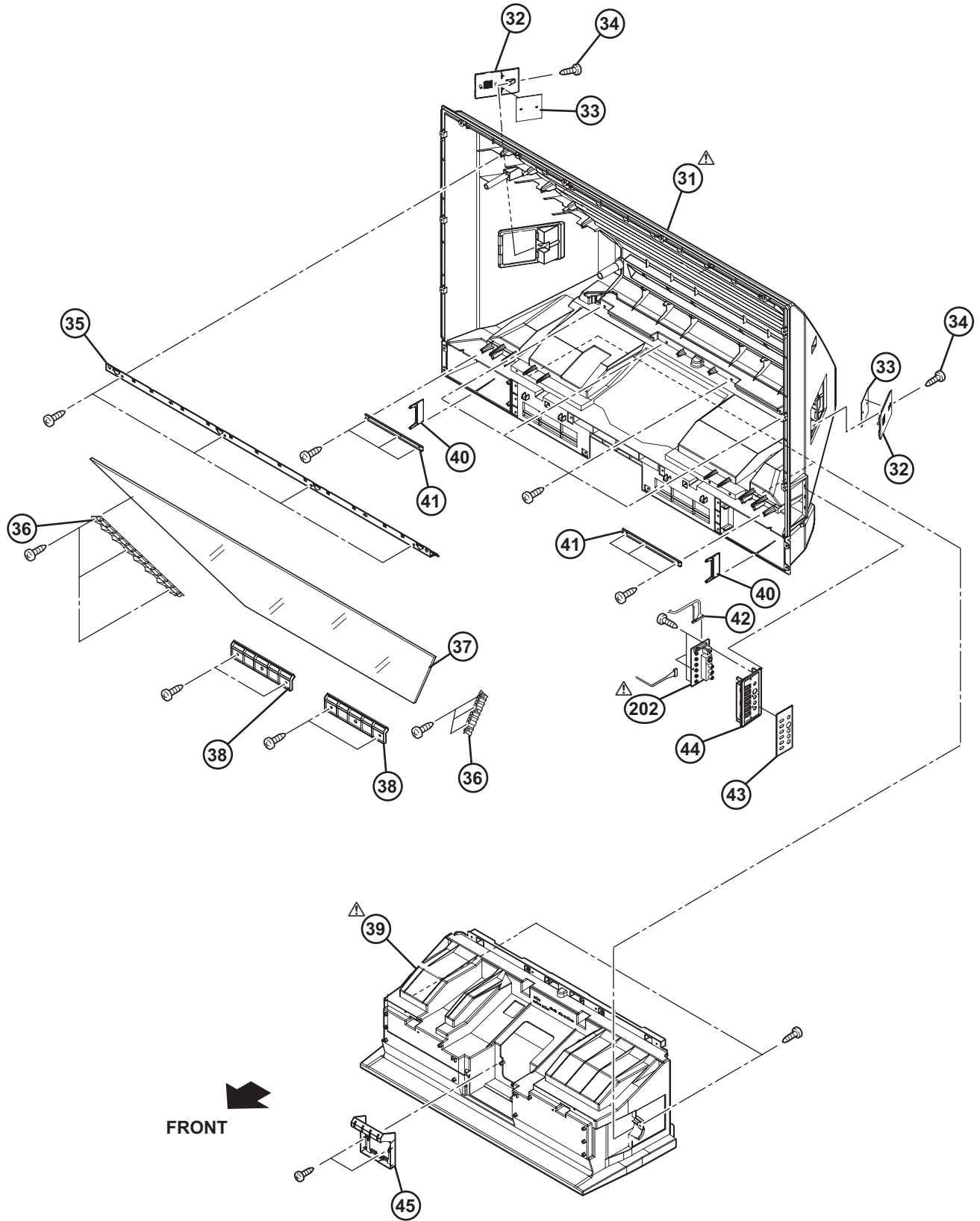
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

△	Ref.No.	Part No.	Part Name	Description	Local
△	31	LC12696-001A-AK	BACK COVER		HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
△	31	LC12743-001B-AK	BACK COVER		HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
	32	LC21888-001B-AK	FILTER COVER	(x2)	
	33	LC33524-001A	FILTER	(x2)	
	34	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	35	LC12713-001A-A	MIRROR HOLDER	TOP	HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
	35	LC12747-001A-A	MIRROR HOLDER	TOP	HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
	36	LC12715-001A-AK	MIRROR HOLDER	LEFT/RIGHT(x2)	
	37	LC33507-002A	GLASS MIRROR		HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
	37	LC33507-003A	GLASS MIRROR		HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
	38	LC12714-001A-AK	MIRROR HOLDER	BOTTOM(x2)	
△	39	LC12697-001A-AK	BODY		
	40	LC22229-001A	SUPPORT PLATE	(x2)	HD-Z56RF7,HD-Z56RF7A
	40	LC22229-001A-AK	SUPPORT PLATE	(x2)	HD-Z56RF7S
	40	LC22230-001A	SUPPORT PLATE	(x2)	HD-Z61RF7,HD-Z61RF7A
	40	LC22230-001A-AK	SUPPORT PLATE	(x2)	HD-Z61RF7S
	41	LC33580-001A-AK	SUPPORT BRACKET	(x2)	
	42	WJZ0232-001A-E	E-HARNESS ASSY	SIDE CONTROL S1/S2/S3 - ANALOG	
	43	LC33579-001A	SIDE CONTROL SHEET		
	44	LC22101-002B-AK	SIDE CONTROL BASE		
	45	LC22201-001A-AK	SHADE COVER		
△	202	LCA90662-01B	SIDE CONTROL PWB		

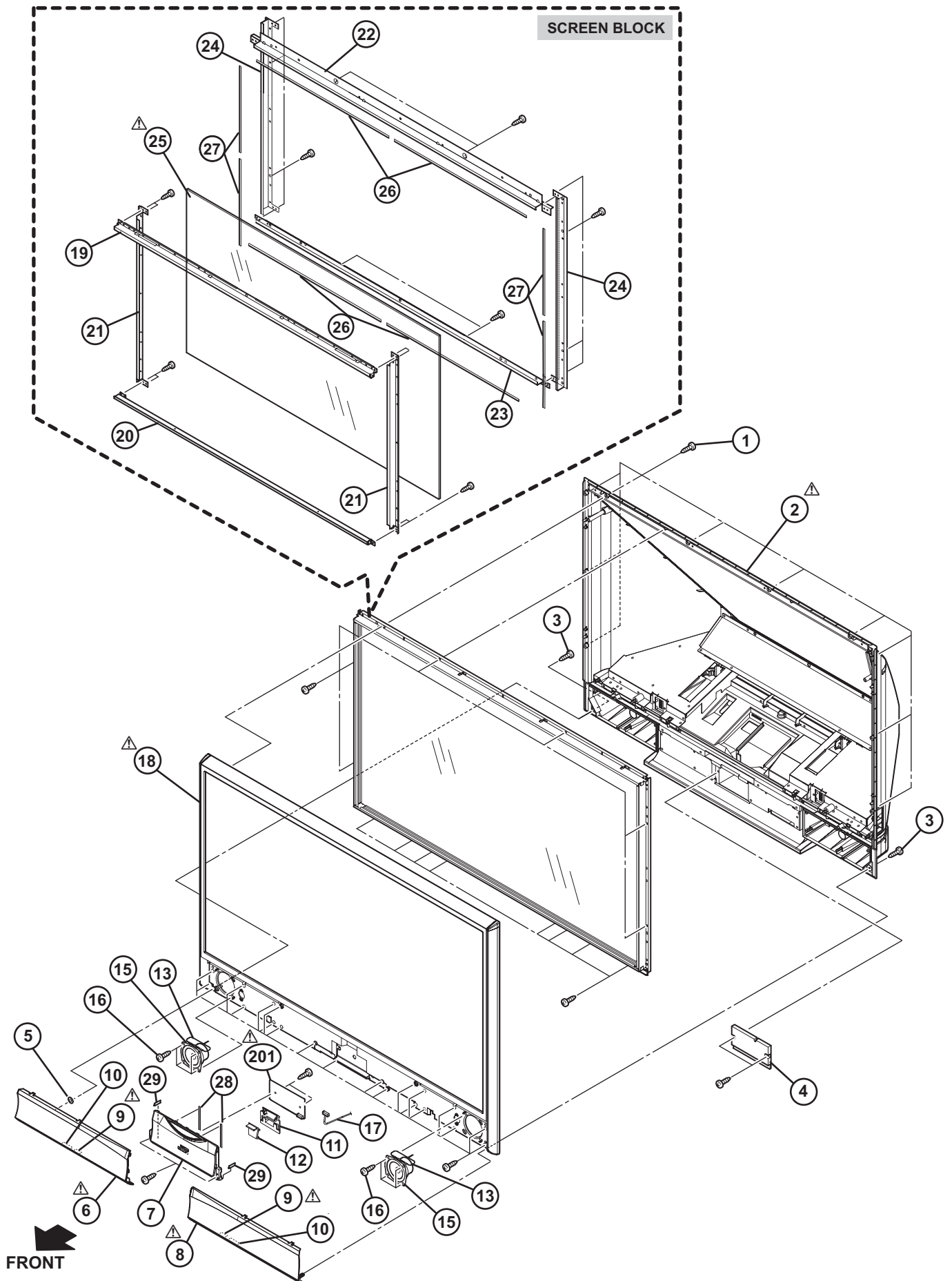
EXPLODED VIEW -2



EXPLODED VIEW PARTS LIST -3

△	Ref.No.	Part No.	Part Name	Description	Local
	1	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x10)	
△	2	LC12133-001F-AK	BACK COVER		
	3	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	4	LC21590-001C-AK	CENTER COVER		
	5	LC42276-001A	INSERT NUT		
△	6	LC12142-014A-AK	SPEAKER GRILL	LEFT	
	7	LC12141-007A-AK	CENTER PANEL		
△	8	LC12142-015A-AK	SPEAKER GRILL	RIGHT	
△	9	LC33181-029A	STICK SHEET	(x2)	
	10	LC33181-033A	STICK SHEET	(x2)	
	11	LC33066-001A-AK	LENS HOLDER		
	12	LC33048-001B-AK	LED LENS		
	13	WJZ0169-002A-E	E-HARNESS ASSY	for SPEAKER	
	15	QAS0369-002	SPEAKER	(x2)	
	16	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x8)	
	17	WJJ0486-001A-E	E-SI C WIRE C-C	FRONT LED CN9F - ANALOG	
△	18	LC12132-011A-AK	FRONT PANEL		
	19	LC12167-001B-AK	SCREEN HOLDER	FRONT TOP	
	20	LC12171-001D-AK	SCREEN HOLDER	FRONT BOTTOM	
	21	LC12169-001B-AK	SCREEN HOLDER	FRONT LEFT/RIGHT(x2)	
	22	LC12168-001C	SCREEN HOLDER	BACK TOP	
	23	LC12172-001D	SCREEN HOLDER	BACK BOTTOM	
	24	LC12170-001C	SCREEN HOLDER	BACK LEFT/RIGHT(x2)	
△	25	70SC-007A	SCREEN ASSY		
	26	LC22024-002A	SPACER	(x4)	
	27	LC22024-045A	SPACER	(x4)	HD-Z70RF7
	27	LC22024-050A	SPACER	(x4)	HD-Z70RF7A,HD-Z70RF7S
	28	LC33181-033A	STICK SHEET	(x2)	
	29	LC33181-031A	STICK SHEET	(x2)	
△	201	LCA90659-01A	FRONT LED PWB		

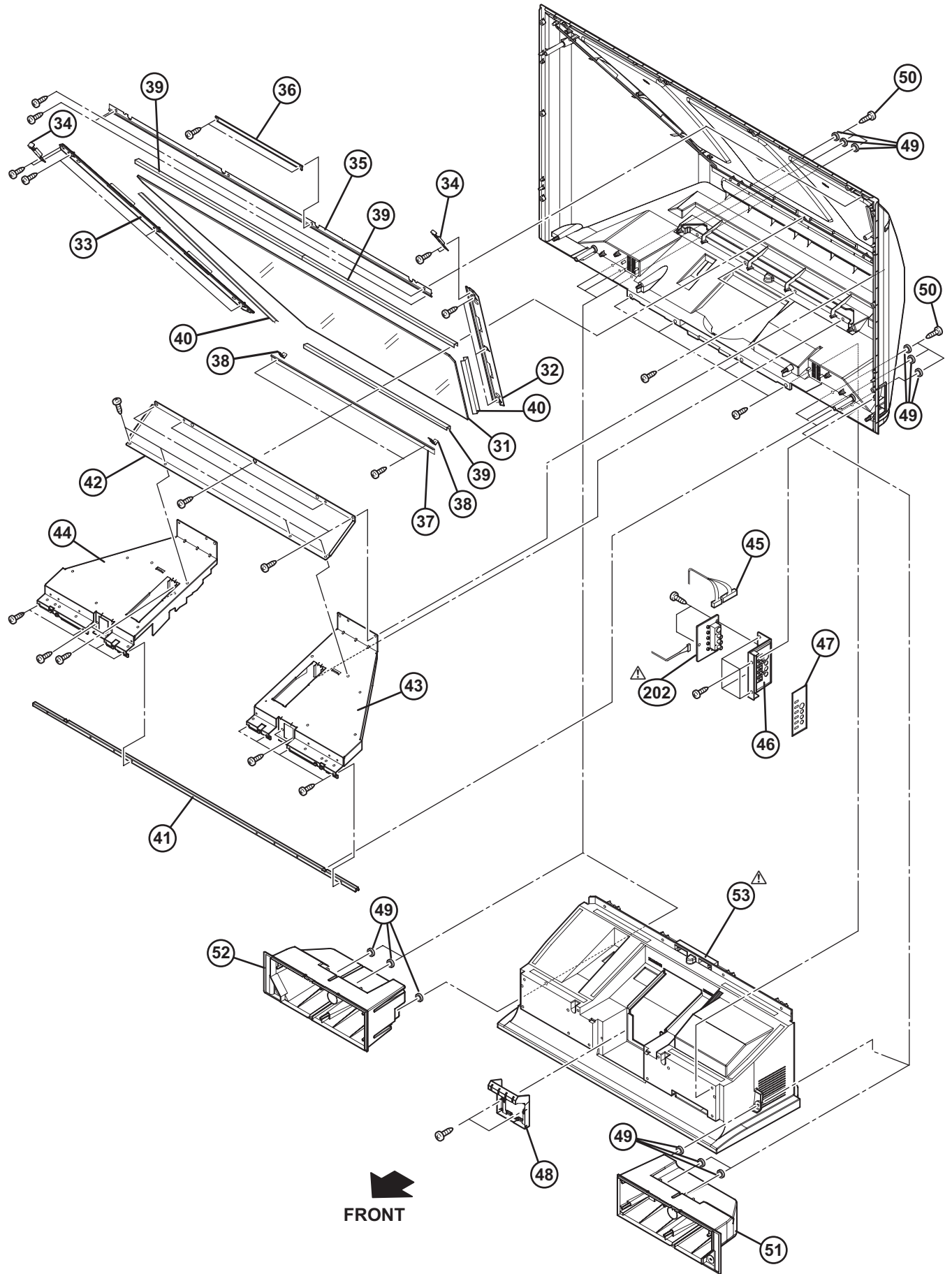
EXPLODED VIEW -3



EXPLODED VIEW PARTS LIST -4

△ Ref.No.	Part No.	Part Name	Description	Local
31	LC33055-001A	GLASS MIRROR		
32	LC12165-001A-AK	MIRROR HOLDER	RIGHT	
33	LC12165-002A-AK	MIRROR HOLDERLR	LEFT	
34	LC33141-001A-AK	MIRROR HOLDERLR BRACKET	TOP(x2)	
35	LC12163-001B	MIRROR HOLDER	TOP	
36	LC33173-001A-AK	MIRROR HOLDER SUPPORT		
37	LC12164-001B	MIRROR HOLDER	BOTTOM	
38	LC33140-001A-AK	MIRROR HOLDERLR BRACKET	BOTTOM(x2)	
39	LC33181-019A	STICK SHEET	(x3)	
40	LC33181-020A	STICK SHEET	(x2)	
41	LC12332-001A-AK	BACK COVER BRACKET	FRONT	
42	LC12335-001B-AK	BACK COVER BRACKET	REAR	
43	LC12334-001B-AK	BACK COVER BRACKET	RIGHT	
44	LC12333-001B-AK	BACK COVER BRACKET	LEFT	
45	WJZ0232-002A-E	E-HARNESS ASSY	SIDE CONTROL S1/S2/S3 - ANALOG	
46	LC21805-002A-AK	SIDE CONTROL BASE		
47	LC33132-005A	SIDE CONTROL SHEET		
48	LC22201-001A	SHADE COVER		
49	LC42165-001A	RUBBER WASHER	(x12)	
50	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x4)	
51	LC12143-001A-AK	SPEAKER BOX	RIGHT	
52	LC12143-002A-AK	SPEAKER BOX	LEFT	
△ 53	LC12263-013A-AK	BODY		
△ 202	LCA90662-01B	SIDE CONTROL PWB		

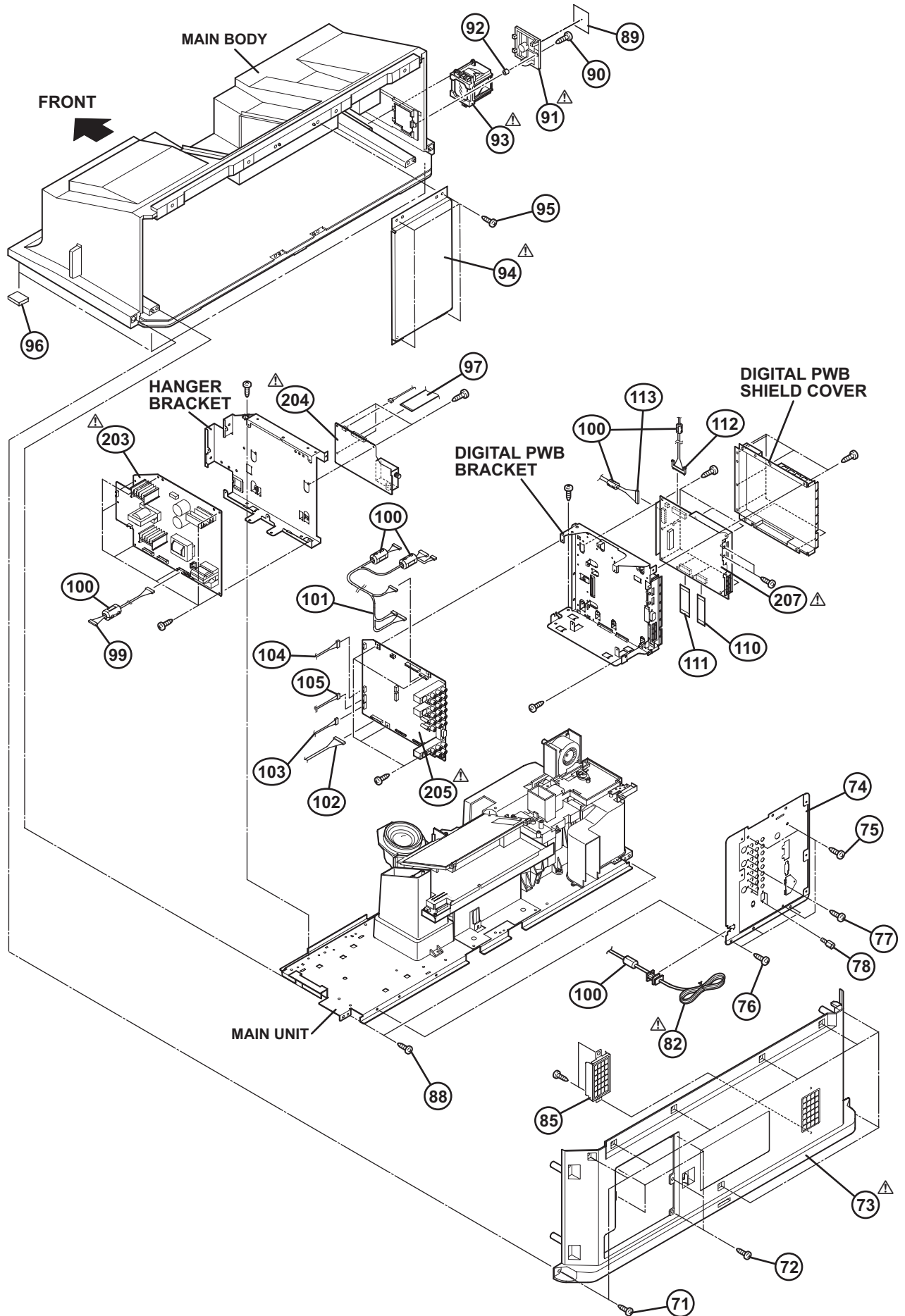
EXPLODED VIEW -4



EXPLODED VIEW PARTS LIST -5

△ Ref.No.	Part No.	Part Name	Description	Local
71	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x7)	HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S,HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S HD-Z70RF7,HD-Z70RF7A,HD-Z70RF7S
71	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x9)	
72	QYSBSFG4012ZA	TAP SCREW	M4 x 12mm(x5)	
△ 73	LC12259-001C-AK	BODY COVER		
74	LC22189-001A	AV TERMINAL BOARD		
75	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x3)	
76	QYSBSG4008ZA	TAP SCREW	M4 x 8mm(x3)	
77	QYSBSF3012MA	TAP SCREW	M3 x 12mm(x8)	
78	QNB0036-001	CONN ACCESSORY	(x2)	
△ 82	QMPR880-170-JC	POWER CORD	1.7m BLACK	HD-Z56RF7,HD-Z61RF7,HD-Z70RF7 HD-Z56RF7A,HD-Z61RF7A,HD-Z70RF7A HD-Z56RF7S,HD-Z61RF7S,HD-Z70RF7S
△ 82	QMPG220-170-JC	POWER CORD(AST)	1.7m BLACK	
△ 82	QMPR910-170-JC	POWER CORD	1.7m BLACK	
85	LC21690-002A-AK	LAMP DUCT BRACKET		
88	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
89	LC33295-001A	WARNING SHEET		
90	LC42077-001A	ASSY SCREW		
△ 91	LC12307-001C-AK	LAMP COVER		
92	LC42276-001A	INSERT NUT		
△ 93	TS-CL110CA	LAMP UNIT		
△ 94	LC11943-001B-AK	BODY BRACKET		
95	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x4)	
96	LC33206-001A	FOOT	(x4)	
97	QUQK12-2514CH-E	FFC WIRE	TUNER CNT1 - ANALOG CN1T1	
99	QJJ015-099424-E	SIN CR C-C WIRE	POWER CN9008 - DRIVE CNDD1	
100	QQR0491-001	FERRITE CORE	(x6)	
101	WJZ0231-001B-E	E-HARNESS ASSY	ANALOG CN1F/CN1S1/CN1S2 - FLONT LED/S CONTROL	
102	QJJ015-122012-E	SIN CR C-C WIRE	ANALOG CN1A3 - POWER CN9A3	
103	QJJ015-053010-E	SIN CR C-C WIRE	ANALOG CN1A2 - POWER CN9A2	
104	WJZ0230-001B-E	E-HARNESS ASSY		
105	QJJ061-062211-E	SIN CR C-C WIRE	ANALOG CN1A1 - POWER CN9A1	
110	QUQL05-4013AE-E	FFC WIRE	DIGITAL CN012 - ANALOG CN012	
111	QUQL05-5013AE-E	FFC WIRE	DIGITAL CN011 - ANALOG CN011	
112	WJW0051-001B-E	E-TWISTED ASSY	DIGITAL CN0LV1 - DRIVE CNLV1	
113	WJJ0656-001A-E	E-SI C WIRE C-C		
△ 203	LCA90658-01A	POWER PWB		
△ 204	LCA10731-01B	TUNER PWB		
△ 205	LCA10730-01B	ANALOG PWB		
△ 207	LCA10708-23C	DIGITAL PWB		HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S HD-Z70RF7,HD-Z70RF7A,HD-Z70RF7S
△ 207	LCA10708-22C	DIGITAL PWB		
△ 207	LCA10708-21C	DIGITAL PWB		

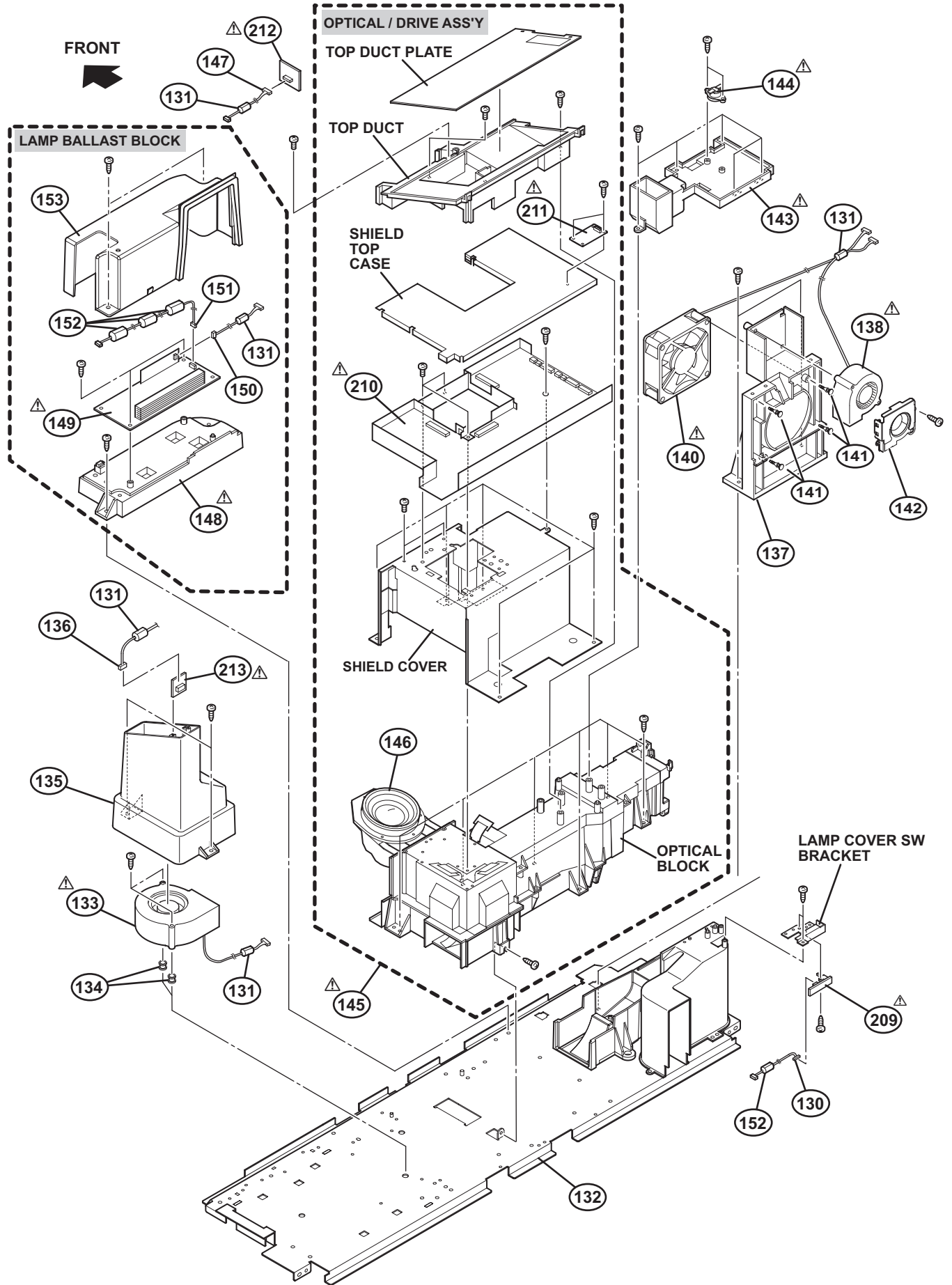
EXPLODED VIEW -5



EXPLODED VIEW PARTS LIST -6

△ Ref.No.	Part No.	Part Name	Description	Local
130	WJJ0708-001B-E	E-SI C WIRE C-C	LAMP COVER SW CN0806 - DRIVE CNSW1	
131	QQR0490-001	NOISE FILTER	(x5)	
132	LC12369-001C-AK	UNIT BASE		
△ 133	QAR0368-003	COOLING FAN		
134	LC42034-001A	WELL NUT	(x2)	
135	LC12355-001B-AK	SIROCCO CASE T		
136	QJJ015-041204-E	SIN CR C-C WIRE		
137	LC12620-001B	HOLDER FAN		
△ 138	QAR0367-001	COOLING FAN		
△ 140	QAR0384-001	COOLING FAN		
141	LC42394-001A	FAN MOUNT	(x4)	
142	LC33372-001A	HOLDER BRACKET		
△ 143	LC12225-001A-AK	DUCT PCS		
△ 144	QMR0014-001	THERMO PROTECTOR		
△ 145	COP15A-SA	OPTICAL/DRIVE ASSY		
146	LC12777-002A	PJ LENS		
147	QJJ015-034213-E	SIN CR C-C WIRE	REMOCON CN08RE - ANALOG CN1RE	
△ 148	LC12353-001C-AK	BALLAST HOLDER		
△ 149	QAL0765-001	POWER UNIT ASSY		
150	WJJ0483-005A-E	E-SI C WIRE C-C	DRIVE CNBCT1 - LAMP BALLAST	
151	WJJ0652-003A-E	E-SI C WIRE C-C	POWER CN9BL - LAMP BALLAST CN101	
152	QQR0491-001	FERRITE CORE	(x4)	
153	LC12354-001B-AK	BALLAST COVER		
△ 209	LCA90661-01A	LAMP COVER SW PWB		
△ 210	LCA90635-02A	DRIVE PWB		
△ 211	LCA90652-02A	IRIS PWB		
△ 212	LCA90663-01A	REMOCON PWB		
△ 213	LCA90534-03B	TEMP PWB		

EXPLODED VIEW -6



PRINTED WIRING BOARD PARTS LIST [HD-Z56RF7, HD-Z56RF7/A, HD-Z56RF7/s]

ANALOG P.W. BOARD ASS'Y (LCA10730-01B) (SRA-1501A)

△Ref No.	Part No.	Part Name	Description	Local	
			D423 UDZW10B-X	Z DIODE	
			D424 UDZW10B-X	Z DIODE	
			D431 UDZW10B-X	Z DIODE	
			D432 UDZW10B-X	Z DIODE	
			D461 UDZW10B-X	Z DIODE	
			D462 UDZW10B-X	Z DIODE	
			D463 UDZW10B-X	Z DIODE	
			D465 UDZW10B-X	Z DIODE	
			D466 UDZW10B-X	Z DIODE	
			D481 UDZW5.1B-X	SB DIODE	
			D491 UDZW3.3B-X	Z DIODE	
			D492 AMS312	PHOTO CONDUCTOR	
			D501 1SS355W-X	DIODE	
			D502 1SS355W-X	DIODE	
			D503 UDZW3.3B-X	Z DIODE	
			D601 1SS355W-X	DIODE	
			D605 1SS355W-X	DIODE	
			D606 1SS355W-X	DIODE	
			D607 1SS355W-X	DIODE	
			D608 1SS355W-X	DIODE	
			D610 UDZW20B-X	Z DIODE	
			D611 UDZW20B-X	Z DIODE	
			D612 UDZW20B-X	Z DIODE	
			D613 UDZW20B-X	Z DIODE	
			D615 1SS355W-X	DIODE	
			D616 UDZW3.3B-X	Z DIODE	
			D618 1SS355W-X	DIODE	
			D619 UDZW6.2B-X	Z DIODE	
			D751 1SS355W-X	DIODE	
			D752 1SS355W-X	DIODE	
			D903 PTZ11B-X	Z DIODE	
			D904 PTZ6.8B-X	Z DIODE	
			C106 NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
			C107 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C108 NEHL1CM-476X	E CAPACITOR	47uF 16V M
			C117 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C118 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C119 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C120 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C121 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C122 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C123 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C124 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C125 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C126 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C127 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C128 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C129 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C130 NEHL1CM-476X	E CAPACITOR	47uF 16V M
			C131 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C132 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C133 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C134 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C138 NCB31HK-103X	C CAPACITOR	0.01uF 50V K
			C141 NEHL1CM-106X	E CAPACITOR	10uF 16V M
			C142 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C143 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C144 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C145 NEHL1CM-106X	E CAPACITOR	10uF 16V M
			C146 NEHL1AM-107X	E CAPACITOR	100uF 10V M
			C147 NEHL1CM-106X	E CAPACITOR	10uF 16V M
			C148 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C149 NEHL1CM-106X	E CAPACITOR	10uF 16V M
			C150 NEHL1AM-107X	E CAPACITOR	100uF 10V M
			C151 NEHL1CM-106X	E CAPACITOR	10uF 16V M
			C152 NCB31CK-105X	C CAPACITOR	1uF 16V K
			C153 NEHL1CM-106X	E CAPACITOR	10uF 16V M
			C154 NEHL1AM-107X	E CAPACITOR	100uF 10V M
			C155 NEHL1CM-106X	E CAPACITOR	10uF 16V M
			C156 NCB31HK-103X	C CAPACITOR	0.01uF 50V K
			C157 NCB31HK-103X	C CAPACITOR	0.01uF 50V K
			C158 NCB31HK-103X	C CAPACITOR	0.01uF 50V K
			C159 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C160 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C161 NCB31HK-103X	C CAPACITOR	0.01uF 50V K
			C162 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C166 NCB31HK-103X	C CAPACITOR	0.01uF 50V K
			C167 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C168 NCB31CK-104X	C CAPACITOR	0.1uF 16V K
			C169 NCB31HK-103X	C CAPACITOR	0.01uF 50V K
			C170 NCB31HK-103X	C CAPACITOR	0.01uF 50V K
			C171 NCB31HK-103X	C CAPACITOR	0.01uF 50V K
			C172 NCB31CK-223X	C CAPACITOR	0.022uF 16V K
			C173 NDC31HJ-680X	C CAPACITOR	68pF 50V J
			C174 NDC31HJ-331X	C CAPACITOR	330pF 50V J
			C175 NCB31HK-103X	C CAPACITOR	0.01uF 50V K
IC101	R2S11004FT	IC			
IC102	R2S11003FT	IC			
IC103	MM1510XN-X	IC			
IC104	MM1510XN-X	IC			
IC105	MM1510XN-X	IC			
IC501	HA17558AF-X	IC			
IC502	AK4554VT-X	IC			
IC541	SN74LC1G3157K-X	IC			
IC551	JCC5067	IC			
IC552	PQ2L3152MS-X	IC			
IC601	NJW1182FP1	IC			
IC602	PQ20WZ11-X	IC			
IC604	MX3000DS-X	IC			
IC605	TDA8928ST/N1	IC			
IC606	M62320FP-X	IC			
IC607	LM393DR-X	IC			
IC608	MM3143DN-X	IC			
IC610	RC4558D-X	IC			
IC751	BH3547F-X	IC			
IC771	RC4558D-X	IC			
IC902	MM1663DT-X	IC			
Q106	SSM3K17FU-X	MOS FET			
Q107	SSM3K17FU-X	MOS FET			
Q108	2SC3928A/QR/-X	TRANSISTOR			
Q109	2SA1022/BC/-X	TRANSISTOR			
Q110	2SA1022/BC/-X	TRANSISTOR			
Q111	2SA1022/BC/-X	TRANSISTOR			
Q112	2SA1022/BC/-X	TRANSISTOR			
Q113	2SC3928A/QR/-X	TRANSISTOR			
Q431	UN2226-X	DIGI TRANSISTOR			
Q432	UN2226-X	DIGI TRANSISTOR			
Q433	UN2110-X	DIGI TRANSISTOR			
Q501	2SC3928A/QR/-X	TRANSISTOR			
Q502	2SC3928A/QR/-X	TRANSISTOR			
Q503	2SC3928A/QR/-X	TRANSISTOR			
Q553	2SC3928A/QR/-X	TRANSISTOR			
Q605	RT1N241C-X	DIGI TRANSISTOR			
Q606	RT1P241C-X	DIGI TRANSISTOR			
Q607	2SC3928A/QR/-X	TRANSISTOR			
Q614	2SA1530A/QR/-X	TRANSISTOR			
Q615	2SA1530A/QR/-X	TRANSISTOR			
Q616	2SC3928A/QR/-X	TRANSISTOR			
Q617	2SC3928A/QR/-X	TRANSISTOR			
Q751	2SA1530A/QR/-X	TRANSISTOR			
Q752	UN2226-X	DIGI TRANSISTOR			
Q901	2SC5881/QR/-X	POW TRANSISTOR			
Q902	2SC5881/QR/-X	POW TRANSISTOR			
D105	1SS355W-X	DIODE			
D110	1SS355W-X	DIODE			
D121	UDZW5.6B-X	Z DIODE			
D122	UDZW5.6B-X	Z DIODE			
D123	UDZW5.6B-X	Z DIODE			
D124	UDZW5.6B-X	Z DIODE			
D125	UDZW5.6B-X	Z DIODE			
D126	UDZW5.6B-X	Z DIODE			
D131	UDZW10B-X	Z DIODE			
D132	UDZW10B-X	Z DIODE			
D133	UDZW10B-X	Z DIODE			
D134	UDZW10B-X	Z DIODE			
D135	UDZW10B-X	Z DIODE			
D136	UDZW10B-X	Z DIODE			
D401	UDZW10B-X	Z DIODE			
D402	UDZW10B-X	Z DIODE			
D403	UDZW10B-X	Z DIODE			
D404	UDZW10B-X	Z DIODE			
D405	UDZW10B-X	Z DIODE			
D406	UDZW10B-X	Z DIODE			
D407	UDZW10B-X	Z DIODE			
D408	UDZW10B-X	Z DIODE			
D409	UDZW10B-X	Z DIODE			
D410	UDZW10B-X	Z DIODE			
D411	UDZW10B-X	Z DIODE			
D412	UDZW10B-X	Z DIODE			
D413	UDZW10B-X	Z DIODE			
D414	UDZW10B-X	Z DIODE			
D415	UDZW10B-X	Z DIODE			
D416	UDZW10B-X	Z DIODE			
D417	UDZW10B-X	Z DIODE			
D418	UDZW10B-X	Z DIODE			
D419	UDZW10B-X	Z DIODE			
D420	UDZW10B-X	Z DIODE			
D421	UDZW10B-X	Z DIODE			

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C176	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C503	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C177	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C504	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C178	NCB31CK-105X	C CAPACITOR	1uF 16V K	C505	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C179	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C506	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C507	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C181	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C508	NENA1HM-105X	BP E CAPACITOR	1uF 50V M
C182	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C509	NENA1HM-105X	BP E CAPACITOR	1uF 50V M
C183	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C510	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C187	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C511	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M
C189	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C512	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M
C191	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C513	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M
C192	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C514	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M
C193	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C515	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C199	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C516	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C200	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C517	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C518	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C519	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C211	NDC31HJ-151X	C CAPACITOR	150pF 50V J	C520	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C531	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C213	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C532	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C221	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C533	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C222	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C551	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C223	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C552	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C224	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C555	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C225	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C556	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C226	NDC31HJ-181X	C CAPACITOR	180pF 50V J	C557	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C227	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C558	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C228	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C559	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
C229	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C560	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C233	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C561	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
C234	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C562	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
C235	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C563	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C251	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C564	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C261	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C565	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C262	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C566	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C263	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C567	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C264	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C568	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C291	NCB11AK-106X	C CAPACITOR	10uF 10V K	C569	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C371	NCB31CK-105X	C CAPACITOR	1uF 16V K	C571	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
C372	NCB31CK-105X	C CAPACITOR	1uF 16V K	C572	NCB31CK-105X	C CAPACITOR	1uF 16V K
C373	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C573	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
C374	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C574	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C575	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C402	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C601	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C403	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C602	NEHL1EM-336X	E CAPACITOR	33uF 25V M
C404	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C603	NEHL1EM-336X	E CAPACITOR	33uF 25V M
C405	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C604	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C406	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C605	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C407	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C606	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C408	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C607	QETM1EM-477	E CAPACITOR	470uF 25V M
C409	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C616	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M
C410	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C617	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M
C411	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C623	NCB21CK-184X	C CAPACITOR	0.18uF 16V K
C412	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C624	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C413	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C625	NCB31HK-183X	C CAPACITOR	0.018uF 50V K
C414	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C628	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
C415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C629	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C416	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C630	NCB21CK-184X	C CAPACITOR	0.18uF 16V K
C417	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C418	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C633	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C419	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C634	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C422	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C635	NCB31HK-681X	C CAPACITOR	680pF 50V K
C423	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C636	NCB31HK-681X	C CAPACITOR	680pF 50V K
C431	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C638	NCB31EK-223X	C CAPACITOR	0.022uF 25V K
C432	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	C639	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C433	NCB11CK-105X	C CAPACITOR	1uF 16V K	C643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C434	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C644	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C435	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C646	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C436	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C647	NCB31CK-105X	C CAPACITOR	1uF 16V K
C437	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C648	NCB31CK-105X	C CAPACITOR	1uF 16V K
C438	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C649	NCB31CK-105X	C CAPACITOR	1uF 16V K
C439	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C650	NCB31CK-105X	C CAPACITOR	1uF 16V K
C440	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C651	NCB31CK-105X	C CAPACITOR	1uF 16V K
C441	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C653	NCB31EK-223X	C CAPACITOR	0.022uF 25V K
C442	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C654	NCB31CK-473X	C CAPACITOR	0.047uF 16V K
C443	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C655	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C461	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C657	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M
C462	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C659	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C463	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C660	NCB31CK-105X	C CAPACITOR	1uF 16V K
C464	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C661	NCB31CK-105X	C CAPACITOR	1uF 16V K
C465	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C662	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C466	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C663	NCB31CK-105X	C CAPACITOR	1uF 16V K
C468	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C664	NCB31CK-105X	C CAPACITOR	1uF 16V K
C469	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C665	NCB31CK-105X	C CAPACITOR	1uF 16V K
C491	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C666	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C492	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C667	NCB31CK-105X	C CAPACITOR	1uF 16V K
C493	NEHL1CM-107X	E CAPACITOR	100uF 16V M	C668	NCB31CK-105X	C CAPACITOR	1uF 16V K
C494	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C669	NCB31CK-105X	C CAPACITOR	1uF 16V K
C501	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	C670	NCB31CK-105X	C CAPACITOR	1uF 16V K
C502	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	C671	NCB31CK-105X	C CAPACITOR	1uF 16V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C672	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	R143	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C675	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R144	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C676	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R145	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C677	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C678	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R147	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C679	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R148	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C680	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R149	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C681	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R150	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C682	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R151	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C683	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R152	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C684	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R157	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C685	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R158	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C686	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R159	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C687	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C688	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R161	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C689	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R164	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C690	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R165	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C691	NEHL1EM-226X	E CAPACITOR	22uF 25V M	R166	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C692	NEHL1EM-226X	E CAPACITOR	22uF 25V M	R167	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C693	NCB11EK-105X	C CAPACITOR	1uF 25V K	R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C694	NCB11EK-105X	C CAPACITOR	1uF 25V K	R169	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C697	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C698	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R181	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C699	QETM1HM-226	E CAPACITOR	22uF 50V M	R184	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C700	QETM1HM-226	E CAPACITOR	22uF 50V M	R189	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C701	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R190	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C702	QETM1EM-477	E CAPACITOR	470uF 25V M	R192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C704	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R194	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C705	QETM1EM-477	E CAPACITOR	470uF 25V M	R203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C707	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R206	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C708	NCB31HK-561X	C CAPACITOR	560pF 50V K	R207	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C709	NCB31HK-561X	C CAPACITOR	560pF 50V K	R216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C711	NCB31HK-561X	C CAPACITOR	560pF 50V K	R217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C712	NCB31HK-561X	C CAPACITOR	560pF 50V K	R218	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C713	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	R219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C716	NEHL1CM-476X	E CAPACITOR	47uF 16V M	R220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C717	NCB31CK-105X	C CAPACITOR	1uF 16V K	R221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C719	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	R223	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C720	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	R224	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C721	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	R225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C722	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R237	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C723	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C724	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R239	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C727	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C728	QETM1EM-477	E CAPACITOR	470uF 25V M	R243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C729	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M	R245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C730	NEHL1CM-106X	E CAPACITOR	10uF 16V M	R246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C731	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R247	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C732	NCB31CK-105X	C CAPACITOR	1uF 16V K	R251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C733	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C734	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	R259	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C735	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R260	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C736	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R261	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C737	NEHL1CM-106X	E CAPACITOR	10uF 16V M	R262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C738	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R263	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C739	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C740	NEHL1CM-476X	E CAPACITOR	47uF 16V M	R265	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C741	NEHL1CM-476X	E CAPACITOR	47uF 16V M	R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C742	NEHL1HM-105X	E CAPACITOR	1uF 50V M	R267	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C743	NEHL1HM-105X	E CAPACITOR	1uF 50V M	R279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C744	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R371	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
C745	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R372	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
C751	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R373	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C752	NEHL1HM-105X	E CAPACITOR	1uF 50V M	R374	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C753	QETM1CM-337	E CAPACITOR	330uF 16V M	R375	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C754	NEHL1CM-476X	E CAPACITOR	47uF 16V M	R376	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C755	QETM1CM-337	E CAPACITOR	330uF 16V M	R377	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C757	NEHL1HM-105X	E CAPACITOR	1uF 50V M	R401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C758	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R402	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C759	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R403	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C760	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R404	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C761	NEHL1AM-107X	E CAPACITOR	100uF 10V M	R405	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C762	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R407	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K	R408	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M	R409	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C911	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	R410	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C912	NEHL1CM-476X	E CAPACITOR	47uF 16V M	R411	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	R412	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	R413	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C915	NEHL1CM-476X	E CAPACITOR	47uF 16V M	R414	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	R415	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C919	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	R416	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C920	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	R417	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C921	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R418	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C922	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R419	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
C923	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R420	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
				R422	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
				R423	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R140	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R431	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R141	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R432	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R142	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R433	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R434	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R577	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R435	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R578	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R436	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R593	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R437	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R597	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R438	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R598	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R439	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R599	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R440	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R441	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R442	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R603	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R443	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R604	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R444	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R605	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R461	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R606	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R607	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R463	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R464	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R620	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R465	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R466	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R467	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R628	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R468	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R634	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R469	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R635	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R470	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R636	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R471	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R638	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R472	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R641	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R474	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R642	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J
R475	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R644	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R476	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R645	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R481	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R647	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R491	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R649	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R501	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R650	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R502	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R503	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R504	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R653	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R505	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R661	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R506	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R662	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R507	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R663	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R510	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R668	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R511	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R671	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R512	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R672	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R513	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R673	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R674	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R675	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R517	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R677	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R518	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R678	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R519	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R679	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R520	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R680	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R521	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R681	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R522	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R682	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R683	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R684	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R525	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R685	QRJ149J-102	UNF C RESISTOR	1kΩ 1/4W J
R526	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R687	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R527	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R694	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R528	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R695	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R529	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R696	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R530	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R700	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R531	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R532	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R535	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R705	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R536	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R538	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R710	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R711	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R712	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R553	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R714	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R554	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R718	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R555	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R719	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R556	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R557	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R560	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R723	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R561	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R562	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R563	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R726	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R564	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R727	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R728	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R566	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R729	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J
R567	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R730	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J
R568	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R731	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J
R569	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R732	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J
R570	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R733	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R571	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R572	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	R736	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R573	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R574	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R738	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R575	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R739	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R576	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R740	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R741	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	K601	NQR0499-002X	FERRITE BEADS	
R742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	K602	NQR0499-002X	FERRITE BEADS	
R743	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	K603	NQR0499-002X	FERRITE BEADS	
R744	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	K604	NQR0499-002X	FERRITE BEADS	
R751	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	K605	NQR0499-002X	FERRITE BEADS	
R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	X551	NAX0868-001X	C RESONATOR	8.00MHZ
R753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	X601	NAX0857-001X	C RESONATOR	25.00MHZ
R754	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R755	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R756	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J				
R758	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J				
R759	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R760	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J				
R761	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R764	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R765	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J				
R766	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R769	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J				
R770	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R772	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J				
R773	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J				
R774	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J				
R775	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J				
R776	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J				
R777	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J				
R778	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J				
R791	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R792	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R793	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R794	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R795	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R905	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J				
R907	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J				
R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J				
R917	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
R921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R925	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R926	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R927	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R928	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J				
R948	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R949	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R951	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J				
R952	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J				
R953	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J				
R954	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R969	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R971	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J				
R972	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J				
R973	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R974	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R975	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				
R976	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R991	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R992	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R993	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R994	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
L101	NQL79GM-100X	COIL	10uH M				
L501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L601	QQR0621-002Z	FERRITE BEADS					
L602	QQR0621-002Z	FERRITE BEADS					
L605	NQLC8CM-560X	COIL	56uH M				
L606	NQLC8CM-560X	COIL	56uH M				
L901	NQL52EM-220X	COIL	22uH M				
L902	NQL52EM-220X	COIL	22uH M				
L903	NQL52EM-220X	COIL	22uH M				
L904	NQL52EM-220X	COIL	22uH M				
L905	NQL52EM-220X	COIL	22uH M				
L906	NQL52EM-220X	COIL	22uH M				
CN011	QGF0508C2-50W	CONNECTOR	FFC/FPC (1-50)				
CN012	QGF0508C2-40W	CONNECTOR	FFC/FPC (1-40)				
CN1T1	QGF1201C2-25	CONNECTOR	FFC/FPC (1-25)				
J401	QNZ0888-001	AV JACK	VIDEO-1(S/V/L/R)				
J402	QNN0794-001	PIN JACK	VIDEO-1(COMPLEMENT)				
J403	QNN0795-001	PIN JACK	VIDEO-3(V/L/R)				
J404	QNN0794-001	PIN JACK	VIDEO-3(COMPLEMENT)				
J405	QNZ0888-001	AV JACK	VIDEO-2(S/V/L/R)				
J406	QNN0796-001	PIN JACK	HDMI-1(L/R)				
J407	QNZ0888-001	AV JACK	OUT(S/V/L/R)				
J410	QNZ0561-001	D CONNECTOR	PC IN				
J411	QNS0001-001	3.5 JACK	AV COMPULINK				
IC3001	THC63LVD104AF	IC					
IC3002	THC63LVD104AF	IC					
IC3003	M12L64322A-6TG	IC					
IC3004	M12L64322A-6TG	IC					
IC3005	XC3S10004FGG456	IC					
IC3007	THC63LVDM83R-W	IC					
IC3008	THC63LVDF84B-W	IC					
IC3009	HD74ALVC1G00V SX	IC					
IC3101	ASI6100	IC					
IC3102	M13S128168A-6TG	IC					
IC3103	M13S128168A-6TG	IC					
IC3104	M13S128168A-6TG	IC					
IC3105	M13S128168A-6TG	IC					
IC3108	R1141Q331B-X	IC					
IC3109	RC4558D-X	IC					
IC3110	RC4558D-X	IC					
IC3111	RC4558D-X	IC					
IC3112	SC2595STRT-X	IC					
IC3113	SC2595STRT-X	IC					
IC3114	SC2595STRT-X	IC					
IC3301	ASI6100	IC					
IC3302	M13S128168A-6TG	IC					
IC3303	M13S128168A-6TG	IC					
IC3304	M13S128168A-6TG	IC					
IC3305	M13S128168A-6TG	IC					
IC3307	HD74ALVC1G00V SX	IC					
IC3308	R1141Q331B-X	IC					
IC3309	RC4558D-X	IC					
IC3310	RC4558D-X	IC					
IC3311	RC4558D-X	IC					
IC3312	SC2595STRT-X	IC					
IC3313	SC2595STRT-X	IC					
IC3314	SC2595STRT-X	IC					
IC3501	ASI6100	IC					
IC3502	M13S128168A-6TG	IC					
IC3503	M13S128168A-6TG	IC					
IC3504	M13S128168A-6TG	IC					
IC3505	M13S128168A-6TG	IC					
IC3508	R1141Q331B-X	IC					
IC3509	RC4558D-X	IC					
IC3510	RC4558D-X	IC					
IC3511	RC4558D-X	IC					
IC3512	SC2595STRT-X	IC					
IC3513	SC2595STRT-X	IC					
IC3514	SC2595STRT-X	IC					
IC3701	AT89C51RD2RLTUM	IC					
IC3702	SN74LVC1G66V-X	IC					
IC3703	SN74LVC1G66V-X	IC					
IC3704	SN74AHCT1G08V-X	IC					
IC3751	CD74HC4053PW-X	IC					
IC3754	SN74LVC541APW-X	IC					
IC3755	SN74LVC1G66V-X	IC					
IC3756	SN74LVC1G66V-X	IC					
IC3757	SN74LVC1G66V-X	IC					
IC3758	SN74LVC1G66V-X	IC					
IC3901	SI-8511NVS-X	IC					
IC3902	PQ1CY1032Z-W	IC					
IC3903	BA80BCOWFP-X	IC					
IC3904	NJM79M08DL1A-X	IC					
IC3905	BA50BC0FP-X	IC					
IC3906	R1170H331B-X	IC					
IC3907	R1170H181B-X	IC					
IC3908	R1170H251B-X	IC					
IC3909	R1170H251B-X	IC					
IC3910	R1170H251B-X	IC					
IC3911	R1170H181B-X	IC					
IC3912	R1170H251B-X	IC					
IC3913	R1170H251B-X	IC					
IC3914	R1170H251B-X	IC					
IC3915	R1170H181B-X	IC					
IC3916	R1170H251B-X	IC					
IC3917	R1170H251B-X	IC					
IC3918	R1170H251B-X	IC					
IC3930	R1170H251B-X	IC					

**DRIVE P.W. BOARD ASS'Y
(LCA90635-02A) (SRA-3006A)**

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC3931	MM1701CH-X	IC		C3052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
IC8001	LM2941S-W	IC		C3053	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
IC8002	PQ20WZ11-X	IC		C3054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
IC8003	PQ20WZ11-X	IC		C3055	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
IC8005	SN74HCT32APW-X	IC		C3056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
				C3057	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q3701	UN2211-X	TRANSISTOR		C3058	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q3753	2SK1374-X	MOS FET		C3059	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q3754	2SK1374-X	MOS FET		C3060	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q3901	TPCA8003-H-X	POWER MOS FET		C3061	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q3902	UN2211-X	TRANSISTOR		C3062	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q3903	UN2211-X	TRANSISTOR		C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q3905	UN2211-X	TRANSISTOR		C3064	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q3906	UN2211-X	TRANSISTOR		C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q3907	IMD14-W	PAIR TRANSISTOR		C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q3909	UPA2708GR-X	POWER MOS FET		C3067	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q3910	UN2211-X	TRANSISTOR		C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q8001	2SC3928A/QR-X	TRANSISTOR		C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q8004	2SC3928A/QR-X	TRANSISTOR		C3070	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q8005	2SC3928A/QR-X	TRANSISTOR		C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
				C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D3701	STZ6.8N-X	Z DIODE		C3073	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D3702	STZ6.8N-X	Z DIODE		C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D3703	STZ6.8N-X	Z DIODE		C3075	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D3704	STZ6.8N-X	Z DIODE		C3076	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D3706	STZ6.8N-X	Z DIODE		C3077	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D3707	STZ6.8N-X	Z DIODE		C3078	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
D3710	STZ6.8N-X	Z DIODE		C3079	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D3711	STZ6.8N-X	Z DIODE		C3080	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D3751	STZ6.8N-X	Z DIODE		C3081	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D3752	STZ6.8N-X	Z DIODE		C3082	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D3901	MA111-X	SI DIODE		C3083	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
D3902	EC30HA03L-X	SB DIODE		C3084	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D3931	EC30HA03L-X	SB DIODE		C3085	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D3932	EC30HA03L-X	SB DIODE		C3086	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D8001	STZ6.8N-X	Z DIODE		C3087	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D8002	STZ6.8N-X	Z DIODE		C3088	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D8003	STZ6.8N-X	Z DIODE		C3089	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
				C3090	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3001	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	C3091	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3092	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3003	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3093	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3094	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3005	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3095	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3096	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3097	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3102	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3103	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3011	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3104	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3105	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3108	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3016	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	C3109	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3110	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3112	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3113	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3117	NBE40GM-227X	TA E CAPACITOR	220uF 4V M
C3025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3119	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3120	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3121	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3122	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3123	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3124	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3125	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3033	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3126	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3127	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3129	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3131	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3132	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3040	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3133	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3041	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3134	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3135	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3136	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3137	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3138	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3139	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3140	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3048	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3141	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3142	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3143	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3051	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3144	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C3622	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	C3840	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3623	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	C3841	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3842	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3843	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3844	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3627	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3845	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3628	NEZ0032-106X	E CAPACITOR	10uF	C3901	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3629	NEZ0032-106X	E CAPACITOR	10uF	C3902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3630	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3904	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C3631	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3905	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C3632	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3906	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3633	NCB21AK-105X	C CAPACITOR	1uF 10V K	C3907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3634	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	C3908	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C3635	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3909	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3636	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3910	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3637	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3911	NBZ0010-396X	SP E CAPACITOR	39uF 16V M
C3638	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	C3914	NEX60GM-337X	E CAPACITOR	330uF 4V M
C3639	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3915	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3640	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3916	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3641	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3917	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C3642	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	C3931	NBZ0010-396X	SP E CAPACITOR	39uF 16V M
C3643	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3932	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C3644	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3933	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3645	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3934	NEX61AM-127X	E CAPACITOR	120uF 10V M
C3648	NBE20GM-336X	TA E CAPACITOR	33uF 4V M	C3941	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3666	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3942	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3667	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3951	NEZ0032-476X	E CAPACITOR	47uF
C3701	NEZ0032-476X	E CAPACITOR	47uF	C3952	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3702	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3953	NEZ0032-476X	E CAPACITOR	47uF
C3703	NEZ0032-106X	E CAPACITOR	10uF	C3954	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3704	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	C3955	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C3705	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	C3956	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3706	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3958	NEZ0032-476X	E CAPACITOR	47uF
C3707	NEZ0032-106X	E CAPACITOR	10uF	C3959	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3708	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3960	NEZ0032-476X	E CAPACITOR	47uF
C3709	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3961	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3965	NEZ0032-106X	E CAPACITOR	10uF
C3716	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C3966	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3719	NDC31HJ-471X	C CAPACITOR	470pF 50V J	C3967	NEZ0032-476X	E CAPACITOR	47uF
C3720	NDC31HJ-471X	C CAPACITOR	470pF 50V J	C3968	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3729	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3969	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3751	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3970	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3752	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3971	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3972	NBE50JM-107X	TA E CAPACITOR	100uF 6.3V M
C3756	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3973	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3757	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3974	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3758	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8001	NEZ0032-476X	E CAPACITOR	47uF
C3759	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3760	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8003	NEZ0032-476X	E CAPACITOR	47uF
C3761	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8004	NEZ0032-476X	E CAPACITOR	47uF
C3763	NCB21AK-105X	C CAPACITOR	1uF 10V K	C8005	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3801	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8008	NEZ0032-106X	E CAPACITOR	10uF
C3802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3803	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8010	NEZ0032-476X	E CAPACITOR	47uF
C3804	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8011	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3805	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8018	NEZ0032-106X	E CAPACITOR	10uF
C3806	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3807	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8020	NEZ0032-476X	E CAPACITOR	47uF
C3808	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8021	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C8031	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C3810	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3001	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3003	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3813	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3814	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3005	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3815	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3011	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3821	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3822	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3823	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3824	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3825	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3826	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3827	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3829	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3830	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3831	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3833	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3834	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3835	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3836	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3837	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3838	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3839	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	CA3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R3810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3935	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3936	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R3812	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3937	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R3815	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	R3938	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R3816	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	R3939	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3819	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	R3940	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3820	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	R3941	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3823	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	R3942	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3824	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	R3943	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3827	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	R3944	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3828	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	R3945	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3831	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	R3946	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3832	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	R3947	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3835	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	R3948	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3836	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	R3949	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3851	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R3950	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3852	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R3951	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3853	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R3953	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D
R3854	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R3954	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3855	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R3971	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3856	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R3981	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J
R3857	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R3982	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J
R3858	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R3983	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J
R3859	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R3985	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3860	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R3987	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3861	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R3990	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R3862	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R3991	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3863	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R3995	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3864	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R3996	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R3865	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R3997	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3866	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3867	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8002	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R3868	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8003	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R3869	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R8004	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D
R3870	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R8005	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D
R3871	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R8006	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3872	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R8014	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D
R3873	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8015	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D
R3874	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8016	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R3875	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8024	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
R3876	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8025	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D
R3877	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R8026	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D
R3878	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R8031	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3879	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R8032	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3880	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R8033	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3881	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8034	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3882	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8035	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3883	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8036	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3884	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	R8041	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4
R3885	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R8042	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4
R3886	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	RB3001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3887	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	RB3002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3888	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J				
R3889	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	L	WJW0031-002A-E	E-TWISTED ASSY	
R3890	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	L3901	NQLD4EM-3R3X	COIL	3.3uH M
R3891	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	L3931	NQL63EM-101X	COIL	100uH M
R3892	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J				
R3893	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	CNB1	QGF0401F1-80W	CONNECTOR	FFC/FPC (1-80)
R3894	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	CNBG1	QGF0508F5-10X	CONNECTOR	FFC/FPC (1-10)
R3895	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	CNG1	QGF0401F1-80W	CONNECTOR	FFC/FPC (1-80)
R3896	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	CNGG1	QGF0508F5-10X	CONNECTOR	FFC/FPC (1-10)
R3897	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	CNR1	QGF0401F1-80W	CONNECTOR	FFC/FPC (1-80)
R3898	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	CNRG1	QGF0508F5-10X	CONNECTOR	FFC/FPC (1-10)
R3901	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	EF3001	NQR0416-002X	EMI FILTER	84pF 16V M
R3902	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	EF3002	NQR0416-002X	EMI FILTER	84pF 16V M
R3903	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	EF3003	NQR0470-001X	EMI FILTER	22pF 50V
R3904	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	EF3701	NQR0470-001X	EMI FILTER	22pF 50V
R3905	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	EF3702	NQR0416-002X	EMI FILTER	84pF 16V M
R3906	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	EF3703	NQR0416-002X	EMI FILTER	84pF 16V M
R3908	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	EF3704	NQR0416-002X	EMI FILTER	84pF 16V M
R3909	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	EF3705	NQR0470-001X	EMI FILTER	22pF 50V
R3910	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	EF3706	NQR0470-001X	EMI FILTER	22pF 50V
R3911	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	EF3707	NQR0483-005X	EMI FILTER	100uF 25V Z
R3912	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	EF3708	NQR0470-001X	EMI FILTER	22pF 50V
R3913	NRZ0093-R010X	MP RESISTOR	0.01Ω	EF3709	NQR0470-001X	EMI FILTER	22pF 50V
R3914	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	EF3710	NQR0416-002X	EMI FILTER	84pF 16V M
R3915	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	EF3711	NQR0470-001X	EMI FILTER	22pF 50V
R3916	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	EF3713	NQR0483-005X	EMI FILTER	100uF 25V Z
R3917	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	EF3714	NQR0470-001X	EMI FILTER	22pF 50V
R3918	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	EF3715	NQR0416-002X	EMI FILTER	84pF 16V M
R3919	NRSA63J-3R9X	MG RESISTOR	3.9Ω 1/16W J	EF3901	NQR0483-005X	EMI FILTER	100uF 25V Z
R3920	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	EF3903	NQR0483-005X	EMI FILTER	100uF 25V Z
R3921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	EF3904	NQR0483-005X	EMI FILTER	100uF 25V Z
R3922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	EF3905	NQR0483-005X	EMI FILTER	100uF 25V Z
R3923	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	EF3906	NQR0483-005X	EMI FILTER	100uF 25V Z
R3924	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	EF3907	NQR0483-005X	EMI FILTER	100uF 25V Z
R3931	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	EF3909	NQR0470-007X	EMI FILTER	2200pF 50V
R3932	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	EF3910	NQR0470-007X	EMI FILTER	2200pF 50V
R3933	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	EF3911	NQR0470-007X	EMI FILTER	2200pF 50V
R3934	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	EF3912	NQR0470-007X	EMI FILTER	2200pF 50V

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
EF3913	NQR0483-005X	EMI FILTER	100uF 25V Z	R0821	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
EF3914	NQR0470-007X	EMI FILTER	2200pF 50V	R0822	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
EF3915	NQR0483-005X	EMI FILTER	100uF 25V Z	R0823	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
EF3916	NQR0470-007X	EMI FILTER	2200pF 50V				
EF3917	NQR0483-005X	EMI FILTER	100uF 25V Z				
K3001	NQR0504-001X	EMI FILTER					
K3002	NQR0504-001X	EMI FILTER					
K3003	NQR0504-001X	EMI FILTER					
K3004	NQR0504-001X	EMI FILTER					
K3005	NQR0504-001X	EMI FILTER					
K3006	NQR0504-001X	EMI FILTER					
K3012	NQR0499-001X	FERRITE BEADS					
K3013	NQR0499-001X	FERRITE BEADS					
K3014	NQR0499-001X	FERRITE BEADS					
K3015	NQR0499-001X	FERRITE BEADS					
K3016	NQR0499-001X	FERRITE BEADS					
K3021	NQR0504-001X	EMI FILTER					
K3022	NQR0504-001X	EMI FILTER					
K3023	NQR0504-001X	EMI FILTER					
K3024	NQR0504-001X	EMI FILTER					
K3025	NQR0504-001X	EMI FILTER					
K3026	NQR0504-001X	EMI FILTER					
K3105	NQR0499-001X	FERRITE BEADS					
K3107	NQR0499-001X	FERRITE BEADS					
K3291	NQR0499-001X	FERRITE BEADS					
K3292	NQR0499-001X	FERRITE BEADS					
K3305	NQR0499-001X	FERRITE BEADS					
K3306	NQR0499-001X	FERRITE BEADS					
K3307	NQR0499-001X	FERRITE BEADS					
K3491	NQR0499-001X	FERRITE BEADS					
K3492	NQR0499-001X	FERRITE BEADS					
K3505	NQR0499-001X	FERRITE BEADS					
K3507	NQR0499-001X	FERRITE BEADS					
K3691	NQR0499-001X	FERRITE BEADS					
K3692	NQR0499-001X	FERRITE BEADS					
K3701	NQR0499-001X	FERRITE BEADS					
K3702	NQR0499-001X	FERRITE BEADS					
K3703	NQR0499-001X	FERRITE BEADS					
K3704	NQR0499-001X	FERRITE BEADS					
K3705	NQR0499-001X	FERRITE BEADS					
K3706	NQR0499-001X	FERRITE BEADS					
K3708	NQR0499-001X	FERRITE BEADS					
K3711	NQR0499-001X	FERRITE BEADS					
K3712	NQR0499-001X	FERRITE BEADS					
K3713	NQR0499-001X	FERRITE BEADS					
K3717	NQR0499-001X	FERRITE BEADS					
K3901	NQR0499-001X	FERRITE BEADS					
K3902	NQR0499-001X	FERRITE BEADS					
K3903	NQR0499-001X	FERRITE BEADS					
K3904	NQR0499-001X	FERRITE BEADS					
K3905	NQR0499-001X	FERRITE BEADS					
K3906	NQR0499-001X	FERRITE BEADS					
K3907	NQR0499-001X	FERRITE BEADS					
K3908	NQR0499-001X	FERRITE BEADS					
K3909	NQR0499-001X	FERRITE BEADS					
K3910	NQR0499-001X	FERRITE BEADS					
K3911	NQR0499-001X	FERRITE BEADS					
K3912	NQR0499-001X	FERRITE BEADS					
K3913	NQR0499-001X	FERRITE BEADS					
K3914	NQR0499-001X	FERRITE BEADS					
K3915	NQR0499-001X	FERRITE BEADS					
K3916	NQR0499-001X	FERRITE BEADS					
K3917	NQR0499-001X	FERRITE BEADS					
K3918	NQR0499-001X	FERRITE BEADS					
K3919	NQR0499-001X	FERRITE BEADS					
K3920	NQR0499-001X	FERRITE BEADS					
K3921	NQR0499-001X	FERRITE BEADS					
K3922	NQR0499-001X	FERRITE BEADS					
K3950	NQR0499-001X	FERRITE BEADS					
K3951	NQR0499-001X	FERRITE BEADS					
K3952	NQR0499-001X	FERRITE BEADS					
X3001	NAX0587-001X	CXO	54.0000MHz				
X3301	NAX0673-001X	CRYSTAL	14.31818MHz				
X3701	NAX0713-001X	CRYSTAL	24.000MHz				

**TEMP P.W. BOARD ASS'Y
(LCA90534-03B) (SRA-8204A)**

△Ref No.	Part No.	Part Name	Description Local
IC2001	LM75BIM-5-X	IC	
D2001	STZ6.8N-X	Z DIODE	
C2002	NCB21CK-105X	C CAPACITOR	1uF 16V K
R2001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R2002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R2003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
K2001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J

**IRIS P.W. BOARD ASS'Y
(LCA90652-02A) (SRA-8304A)**

△Ref No.	Part No.	Part Name	Description Local
IC5001	NJM4556AM-XE	IC	
IC5002	NJM2904M-W	IC	
IC5003	BA80BCOWFP-X	IC	
IC5005	PCF8591T2-X	IC(DIGITAL)	
IC5007	NJM2904M-W	IC	
Q5001	2SC3928A/QRV-X	TRANSISTOR	
D5001	STZ6.8N-X	Z DIODE	
C5001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C5002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C5003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C5005	NEZ0032-106X	E CAPACITOR	10uF
C5006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5007	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C5008	NEZ0032-476X	E CAPACITOR	47uF
C5009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5010	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C5014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C5015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C5016	NEZ0032-106X	E CAPACITOR	10uF
C5017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C5019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
R5001	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J
R5002	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J
R5003	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R5004	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R5005	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R5006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R5007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R5009	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R5010	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R5011	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R5012	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J
R5013	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J
R5014	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5016	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R5024	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R5025	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R5027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5045	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R5047	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R5048	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5067	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J

**REMOCON P.W. BOARD ASS'Y
(LCA90663-01A) (SRA-8051A)**

△Ref No.	Part No.	Part Name	Description Local
IC0821	KSM-2013SY22EL	IR DETECT UNIT	
D0821	UDZW6.8B-X	Z DIODE	
C0821	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C0822	QETN1EM-476Z	E CAPACITOR	47uF 25V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R5068	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	D9557	FR105SGT-T2	SI DIODE	
R5070	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	D9601	UTCTL431-T	IC	
R5071	NRSA63J-204X	MG RESISTOR	200kΩ 1/16W J	D9701	SK14-GA-X	SB DIODE	
R5072	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	D9702	1SS355W-X	DIODE	
R5073	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	D9721	SK14-GA-X	SB DIODE	
R5074	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	D9741	EC30HA03L-X	SB DIODE	
R5076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	D9743	MTZJ6.8B-T2	Z DIODE	
R5078	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	D9821	1SS355W-X	DIODE	
R5080	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	D9831	1SS355W-X	DIODE	
R5082	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	D9832	MA8056/M-X	Z DIODE	
R5083	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	D9851	MA8051/M-X	Z DIODE	
R5085	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	D9852	1SS355W-X	DIODE	
R5087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	D9861	1SS355W-X	DIODE	
R5089	NRSA63J-204X	MG RESISTOR	200kΩ 1/16W J	D9862	1SS355W-X	DIODE	
R5090	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	D9863	1SS355W-X	DIODE	
R5091	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J				
R5092	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	△C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K
R5093	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	△C9002	QFZ9072-224	MM CAPACITOR	0.22uF AC250V K
R5094	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	△C9011	QCZ9079-102	C CAPACITOR	1000pF AC250V M
R5095	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	△C9013	QCZ9079-471	C CAPACITOR	470pF AC250V K
R5097	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	C9111	QEHQ2GM-226	E CAPACITOR	22uF 400V M
R5099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C9141	QECR1CM-477Z	E CAPACITOR	470uF 16V M
				C9142	QEHR1AM-337Z	E CAPACITOR	330uF 10V M
				△C9197	QCZ9071-471	C CAPACITOR	470pF AC400V K
				△C9198	QCZ9071-102	C CAPACITOR	1000pF AC400V M
				C9211	QFZ0213-155	MM CAPACITOR	1.5uF 400V K
				C9212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
				C9213	NCB21CK-684X	C CAPACITOR	0.68uF 16V K
				C9214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
				C9215	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
				C9216	QEZ0771-227	E CAPACITOR	220uF
				C9217	QCZ0354-102Z	C CAPACITOR	1000pF 2kV K
				C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
				C9219	QCZ0122-471	C CAPACITOR	470pF 2kV K
				C9251	QETN1HM-107Z	E CAPACITOR	100uF 50V M
				C9252	NCB21HK-104X	C CAPACITOR	0.1uF 50V K
				C9281	QETN1HM-226Z	E CAPACITOR	22uF 50V M
				C9301	QETN1EM-107Z	E CAPACITOR	100uF 25V M
				C9302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
				C9303	NCF11EZ-105X	C CAPACITOR	1uF 25V Z
				C9501	QFP32JK-332	PP CAPACITOR	3300pF 630V K
				C9503	NCB31HK-332X	C CAPACITOR	3300pF 50V K
				C9504	QETN1VM-476Z	E CAPACITOR	47uF 35V M
				C9505	NCB31HK-152X	C CAPACITOR	1500pF 50V K
				C9506	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
				C9507	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
				C9508	QCZ0354-471Z	C CAPACITOR	470pF 2kV K
				C9510	QEHR1HM-107Z	E CAPACITOR	100uF 50V M
				C9511	QEHR1HM-107Z	E CAPACITOR	100uF 50V M
				C9512	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9555	QEQC1EM-188	E CAPACITOR	1800uF 25V M
				C9556	QEQC1EM-188	E CAPACITOR	1800uF 25V M
				C9558	QCB32HK-471Z	C CAPACITOR	470pF 500V K
				C9559	QEHR2AM-106Z	E CAPACITOR	10uF 100V M
				C9560	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
				C9562	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M
				C9563	QETM1HM-108	E CAPACITOR	1000uF 50V M
				C9564	QETM1HM-108	E CAPACITOR	1000uF 50V M
				C9565	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9566	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9568	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9569	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9603	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
				C9701	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
				C9702	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
				C9721	QEHR1EM-107Z	E CAPACITOR	100uF 25V M
				C9723	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
				C9741	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M
				C9742	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
				C9743	QECR1AM-128Z	E CAPACITOR	1200uF 10V M
				C9831	NCB31CK-105X	C CAPACITOR	1uF 16V K
				C9851	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
				C9852	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
				C9876	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9877	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9878	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9879	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9880	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9881	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9882	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9883	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9884	NCB31HK-102X	C CAPACITOR	1000pF 50V K
				C9885	NDC31HJ-100X	C CAPACITOR	10pF 50V J
				C9895	NCB31HK-102X	C CAPACITOR	1000pF 50V K

**POWER P.W. BOARD ASS'Y
(LCA90658-01A) (SRA-9501A)**

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
△IC9211	MC33262D-X	IC		C9216	QEZ0771-227	E CAPACITOR	220uF
IC9301	BAJ5CC0FP-X	IC		C9217	QCZ0354-102Z	C CAPACITOR	1000pF 2kV K
IC9501	STR-W6754-F5	SW IC		C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
IC9701	PQ120RDA1SZ	IC		C9219	QCZ0122-471	C CAPACITOR	470pF 2kV K
IC9721	S7809PI	IC		C9251	QETN1HM-107Z	E CAPACITOR	100uF 50V M
IC9741	SI-8008TFE-F3	IC		C9252	NCB21HK-104X	C CAPACITOR	0.1uF 50V K
Q9021	2SC3928A/QR/-X	TRANSISTOR		C9281	QETN1HM-226Z	E CAPACITOR	22uF 50V M
Q9211	2SK2698-LB	POWER MOS FET		C9301	QETN1EM-107Z	E CAPACITOR	100uF 25V M
Q9212	2SC3928A/QR/-X	TRANSISTOR		C9302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
Q9213	IMD3A-W	DIGI TRANSISTOR		C9303	NCF11EZ-105X	C CAPACITOR	1uF 25V Z
Q9215	2SC3928A/QR/-X	TRANSISTOR		C9501	QFP32JK-332	PP CAPACITOR	3300pF 630V K
Q9251	UN2213-X	DIGI TRANSISTOR		C9503	NCB31HK-332X	C CAPACITOR	3300pF 50V K
Q9252	UN2213-X	DIGI TRANSISTOR		C9504	QETN1VM-476Z	E CAPACITOR	47uF 35V M
Q9255	2SC3928A/QR/-X	TRANSISTOR		C9505	NCB31HK-152X	C CAPACITOR	1500pF 50V K
Q9281	2SA1530A/QR/-X	TRANSISTOR		C9506	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
Q9282	2SC3928A/QR/-X	TRANSISTOR		C9507	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
Q9283	2SC3928A/QR/-X	TRANSISTOR		C9508	QCZ0354-471Z	C CAPACITOR	470pF 2kV K
Q9284	UN2211-X	TRANSISTOR		C9510	QEHR1HM-107Z	E CAPACITOR	100uF 50V M
Q9821	2SC1623A/5-6/-X	TRANSISTOR		C9511	QEHR1HM-107Z	E CAPACITOR	100uF 50V M
Q9831	2SC1623A/5-6/-X	TRANSISTOR		C9512	NCB31HK-102X	C CAPACITOR	1000pF 50V K
Q9851	2SA812A/5-6/-X	TRANSISTOR		C9555	QEQC1EM-188	E CAPACITOR	1800uF 25V M
Q9852	RT1N441C-X	TRANSISTOR		C9556	QEQC1EM-188	E CAPACITOR	1800uF 25V M
Q9853	RT1N441C-X	TRANSISTOR		C9558	QCB32HK-471Z	C CAPACITOR	470pF 500V K
Q9861	2SC1623A/5-6/-X	TRANSISTOR		C9559	QEHR2AM-106Z	E CAPACITOR	10uF 100V M
Q9862	2SC1623A/5-6/-X	TRANSISTOR		C9560	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
D9001	MA8047-X	Z DIODE		C9562	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M
D9021	1SS355W-X	DIODE		C9563	QETM1HM-108	E CAPACITOR	1000uF 50V M
D9111	S1WB/A/60-4101	BRIDGE DIODE		C9564	QETM1HM-108	E CAPACITOR	1000uF 50V M
△D9201	GBJ6JU	BRIDGE DIODE		C9565	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9202	1SS355W-X	DIODE		C9566	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9211	YG972S6R	SI DIODE		C9568	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9213	1SS355W-X	DIODE		C9569	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9214	1SS355W-X	DIODE		C9603	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
D9251	MA8068/M-X	Z DIODE		C9701	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
D9252	1SS355W-X	DIODE		C9702	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
D9253	1SS355W-X	DIODE		C9721	QEHR1EM-107Z	E CAPACITOR	100uF 25V M
D9254	D1FL20U-X	SI DIODE		C9723	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
D9281	MA8024-X	Z DIODE		C9741	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M
D9282	1SS355W-X	DIODE		C9742	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
D9301	D1FS4-X	SB DIODE		C9743	QECR1AM-128Z	E CAPACITOR	1200uF 10V M
D9501	SARS01-T2	FR DIODE		C9831	NCB31CK-105X	C CAPACITOR	1uF 16V K
D9502	SARS01-T2	FR DIODE		C9851	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
D9503	FR105SGT-T2	SI DIODE		C9852	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
D9504	FR105SGT-T2	SI DIODE		C9876	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9505	MTZJ33B-T2	Z DIODE		C9877	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9506	FR105SGT-T2	SI DIODE		C9878	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9507	1SS355W-X	DIODE		C9879	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9510	1SS355W-X	DIODE		C9880	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9511	FR105SGT-T2	SI DIODE		C9881	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9512	FR105SGT-T2	SI DIODE		C9882	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9514	MTZJ13B-T2	Z DIODE		C9883	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9551	HER202G-FL	SI DIODE		C9884	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9552	HER202G-FL	SI DIODE		C9885	NDC31HJ-100X	C CAPACITOR	10pF 50V J
D9553	FME-220A	SB DIODE		C9895	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9554	FR105SGT-T2	SI DIODE		△R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K
D9555	MTZJ15B-T2	Z DIODE		R9003	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
D9556	MTZJ16C-T2	Z DIODE		R9005	NRS12BJ-104W	MG RESISTOR	100kΩ 1/2W J
				R9021	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
				R9022	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
Q6213	2SC3837K/NP/-X	TRANSISTOR		C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6214	2SC3837K/NP/-X	TRANSISTOR		C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6250	2SC3928A/QR/-X	TRANSISTOR		C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6251	2SC3928A/QR/-X	TRANSISTOR		C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6301	2SA1530A/QR/-X	TRANSISTOR		C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6302	HN1C01F/Y/-X	PAIR TRANSISTOR		C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6303	2SA1530A/QR/-X	TRANSISTOR		C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q6304	HN1C01F/Y/-X	PAIR TRANSISTOR		C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7030	RT1N441C-X	TRANSISTOR		C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7032	RT1P441C-X	DIGI TRANSISTOR		C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7033	RT1P441C-X	DIGI TRANSISTOR		C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
Q7035	RT1P441C-X	DIGI TRANSISTOR		C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
				C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D6301	1SS355W-X	DIODE		C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D6302	1SS355W-X	DIODE		C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D7201	RB501V-40-X	SB DIODE		C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
D7301	RB501V-40-X	SB DIODE		C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
D7514	1SS355W-X	DIODE		C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K
D9001	EC30HA03L-X	SB DIODE		C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K
D9002	EC30HA03L-X	SB DIODE		C6299	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D9003	PTZ3.9B-X	Z DIODE		C6300	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D9201	EC30HA03L-X	SB DIODE		C6301	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D9202	EC30HA03L-X	SB DIODE		C6303	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D9203	PTZ3.9B-X	Z DIODE		C6306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
D9204	1SS355W-X	DIODE		C6308	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
				C6311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6312	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6501	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C6502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C6503	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6504	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6505	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C6507	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6508	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C6509	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6510	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C6511	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	C6513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6571	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6572	NCB21CK-104X	C CAPACITOR	0.1uF 16V K
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6601	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	C6610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	C6611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6613	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6219	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6220	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6227	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6620	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6228	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6229	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	C6628	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	C6629	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	C6630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	C6631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	C6632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	C6633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	C6634	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	C6635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	C6636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	C6637	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6638	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6252	NCB11CK-105X	C CAPACITOR	1uF 16V K	C6639	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6253	NCB11CK-105X	C CAPACITOR	1uF 16V K	C6640	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6254	NCB11CK-105X	C CAPACITOR	1uF 16V K	C6641	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6255	NCB11CK-105X	C CAPACITOR	1uF 16V K	C6642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C6643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C6644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C6645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C6646	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6657	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C6660	NCB31CK-104X	C CAPACITOR	0.1uF 16V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C6661	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6669	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6670	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C6671	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7213	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6672	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C6673	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6677	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7301	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6678	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6679	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7303	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6680	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6681	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6682	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6683	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6684	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7308	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6685	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7309	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6686	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7310	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6687	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6688	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6689	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6690	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7314	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6691	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6692	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7318	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6693	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7319	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6694	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6695	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6696	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6697	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7325	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6698	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7326	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C6699	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7327	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C7328	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	C7329	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7330	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	C7331	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7333	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7334	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7335	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7338	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7340	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7341	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7342	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7343	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7344	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7345	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	C7346	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7349	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7350	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7353	NCB31EK-682X	C CAPACITOR	6800pF 25V K
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7505	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	C7508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	C7514	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7515	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	C7516	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7517	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C6929	NCB31AK-105X	C CAPACITOR	1uF 10V K	C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
C7033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C7034	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C7040	NCB11AK-106X	C CAPACITOR	10uF 10V K	C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9211	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9301	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9306	NRSa63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9313	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9314	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K				

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R7052	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J	R7317	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7318	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7319	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7320	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7321	NRSA63J-820X	MG RESISTOR	82Ω	1/16W J
R7058	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7322	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7323	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7060	NRSA63J-154X	MG RESISTOR	150kΩ	1/16W J	R7324	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7325	NRSA63J-220X	MG RESISTOR	22Ω	1/16W J
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7327	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7330	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7064	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	R7332	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7065	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	R7333	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ	1/16W J	R7334	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ	1/16W J	R7335	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7337	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7339	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7340	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7341	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7342	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7077	NRSA63J-331X	MG RESISTOR	330Ω	1/16W J	R7343	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7078	NRSA63J-331X	MG RESISTOR	330Ω	1/16W J	R7346	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J
R7081	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R7347	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J
R7084	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J	R7348	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7085	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J	R7349	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7350	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7351	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7089	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7352	NRSA63J-273X	MG RESISTOR	27kΩ	1/16W J
R7090	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7353	NRSA63J-273X	MG RESISTOR	27kΩ	1/16W J
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7354	NRSA63J-273X	MG RESISTOR	27kΩ	1/16W J
R7092	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7356	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7093	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7358	NRSA63J-471X	MG RESISTOR	470Ω	1/16W J
R7094	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J	R7359	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7363	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7364	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7365	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7366	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7367	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7368	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7369	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7371	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7372	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7501	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7502	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7512	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7513	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7131	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7514	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7515	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7523	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7524	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7174	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R7525	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7529	NRSA63J-183X	MG RESISTOR	18kΩ	1/16W J
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7530	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7533	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7601	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7602	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7186	NCB31HK-103X	C CAPACITOR	0.01uF	50V K	R7634	NRSA63J-391X	MG RESISTOR	390Ω	1/16W J
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7635	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J
R7192	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R7643	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7201	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R7658	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R7202	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R7661	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7203	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R7662	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7207	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R8796	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R8797	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R8798	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R8799	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7215	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R9001	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J
R7216	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R9002	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
R7217	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R9003	NRSA63D-273X	MG RESISTOR	27kΩ	1/16W D
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R9004	NRSA63J-684X	MG RESISTOR	680kΩ	1/16W J
R7223	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R9005	NRSA63D-103X	MG RESISTOR	10kΩ	1/16W D
R7224	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ	1/16W J
R7225	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J	R9007	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
R7232	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R9008	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7234	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R9201	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J
R7237	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J	R9202	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
R7239	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	R9203	NRSA63D-302X	MG RESISTOR	3kΩ	1/16W D
R7240	NQR0199-003X	FERRITE BEADS			R9205	NRSA63D-103X	MG RESISTOR	10kΩ	1/16W D
R7302	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ	1/16W J
R7303	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	R9207	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
R7304	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	R9209	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7305	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	R9302	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
R7309	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	R9306	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
R7310	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J	R9308	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J
R7311	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	R9510	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J
R7312	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω	1/16W J
R7313	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J	RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω	1/32W J x4
R7314	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J	RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω	1/16W J
R7315	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J	RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω	1/16W J
R7316	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J	RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω	1/32W J x4

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	K7211	NQR0499-002X	FERRITE BEADS	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	K7302	NQR0389-003X	FERRITE BEADS	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	K7308	NRSA02J-390X	MG RESISTOR	39Ω 1/10W J
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	K7501	NQR0413-002X	FERRITE BEADS	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J	LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z
RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	X6250	NAX0580-001X	CXO	27.0000MHz
RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J	X7001	NAX0669-001X	C RESONATOR	6.0000MHz
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	X7309	NAX0644-001X	CRYSTAL	6.000000MHz
RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J				
RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J				
RA6501	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA6502	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA6503	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA6504	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA6505	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA6506	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω				
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω				
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω				
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ				
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ				
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ				
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ				
RA7503	NQR0271-004X	EMI FILTER					
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	R0842	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
L6102	NQL79GM-220X	COIL	22uH M	R0843	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
L6103	NQL79GM-220X	COIL	22uH M	R0844	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
L6115	NQR0499-001X	FERRITE BEADS		R0845	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	R0846	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
L6265	NQR0499-001X	FERRITE BEADS		R0847	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
L6266	NQR0499-001X	FERRITE BEADS		R0849	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L6511	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	R0851	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
L6512	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	R0852	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
L6513	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	R0853	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
L6514	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	R0854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
L6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
L6516	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	J0831	QNS0051-001	3.5 JACK	HEADPHONE
L6531	NQR0199-007X	FERRITE BEADS		J0841	QNZ0438-001	AV JACK	VIDEO-4(S/V/L/R) IN
L6701	NQR0413-003X	FERRITE BEADS		K0801	NQR0389-003X	FERRITE BEADS	
L6911	NQR0499-001X	FERRITE BEADS		S0851	QSW0619-003Z	PUSH SWITCH	VOL+
L6912	NQR0499-001X	FERRITE BEADS		S0852	QSW0619-003Z	PUSH SWITCH	VOL-
L6922	NQL79GM-220X	COIL	22uH M	S0853	QSW0619-003Z	PUSH SWITCH	MENU
L6924	NQL79GM-220X	COIL	22uH M	S0854	QSW0619-003Z	PUSH SWITCH	CH+
L6925	NQL79GM-220X	COIL	22uH M	S0855	QSW0619-003Z	PUSH SWITCH	CH-
L6931	NQR0499-001X	FERRITE BEADS		S0856	QSW0619-003Z	PUSH SWITCH	TV/VIDEO
L7301	NQR0489-002X	FERRITE BEADS					
L7302	NQR0489-002X	FERRITE BEADS					
L7303	NQL092K-4R7X	P COIL	4.7uH K				
L7304	NQL092K-4R7X	P COIL	4.7uH K				
L7305	NQL092K-4R7X	P COIL	4.7uH K				
L7306	NQL092K-4R7X	P COIL	4.7uH K				
L7307	NQL092K-4R7X	P COIL	4.7uH K				
L7308	NQL092K-4R7X	P COIL	4.7uH K				
L7309	NQL092K-4R7X	P COIL	4.7uH K				
L7310	NQL092K-4R7X	P COIL	4.7uH K				
L7311	NQL092K-4R7X	P COIL	4.7uH K				
L7312	NQL092K-4R7X	P COIL	4.7uH K				
L7313	NQL092K-4R7X	P COIL	4.7uH K				
L7314	NQR0489-002X	FERRITE BEADS					
L7315	NQL092K-4R7X	P COIL	4.7uH K				
L7316	NQL092K-4R7X	P COIL	4.7uH K				
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
L9001	NQLC8CM-150X	COIL	15uH M				
L9201	NQLC8CM-150X	COIL	15uH M				
L9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
CN011	QGF0508F4-50X	CONNECTOR	FFC/FPC (1-50)				
CN012	QGF0508F4-40X	CONNECTOR	FFC/FPC (1-40)				
J8501	NNZ0117-001	CONNECTOR					
J8502	NNZ0117-001	CONNECTOR					
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	Q0901	2SC3928A/QR/-X	TRANSISTOR	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	Q0902	2SC3928A/QR/-X	TRANSISTOR	
K6271	NQR0499-001X	FERRITE BEADS		Q0904	2SC3928A/QR/-X	TRANSISTOR	
K6272	NQR0499-001X	FERRITE BEADS		Q0905	2SC3928A/QR/-X	TRANSISTOR	
K6274	NQR0499-001X	FERRITE BEADS		D0901	SELU5E20C/EF/-T	LED	POWER
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	D0903	UDZW6.8B-X	Z DIODE	
K7030	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	D0904	UDZW6.8B-X	Z DIODE	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	D0905	SLR-343DC	LED	LAMP
				C0902	NCB31HK-102X	C CAPACITOR	1000pF 50V K

SIDE CONTROL P.W. BOARD ASS'Y (LCA90662-01B) (SRA-0L051A)

△Ref No.	Part No.	Part Name	Description Local
C0801	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C0802	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C0841	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C0842	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C0843	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C0844	NCB21CK-105X	C CAPACITOR	1uF 16V K
C0845	NCB21CK-105X	C CAPACITOR	1uF 16V K
C0846	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C0847	NCB31HK-472X	C CAPACITOR	4700pF 50V K
R0842	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0843	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0844	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0845	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R0846	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R0847	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R0849	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0851	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0852	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R0853	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R0854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
J0831	QNS0051-001	3.5 JACK	HEADPHONE
J0841	QNZ0438-001	AV JACK	VIDEO-4(S/V/L/R) IN
K0801	NQR0389-003X	FERRITE BEADS	
S0851	QSW0619-003Z	PUSH SWITCH	VOL+
S0852	QSW0619-003Z	PUSH SWITCH	VOL-
S0853	QSW0619-003Z	PUSH SWITCH	MENU
S0854	QSW0619-003Z	PUSH SWITCH	CH+
S0855	QSW0619-003Z	PUSH SWITCH	CH-
S0856	QSW0619-003Z	PUSH SWITCH	TV/VIDEO

LAMP COVER SW P.W. BOARD ASS'Y (LCA90661-01A) (SRA-0L251A)

△Ref No.	Part No.	Part Name	Description Local
C0861	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CN08G3	QUB130-32EMZ4-E	SIN TWIST WIRE	
S0861	QSW1064-001	DETECT SWITCH	LAMP COVER SW

FRONT LED P.W. BOARD ASS'Y (LCA90660-01A) (SRA-0L502A)

△Ref No.	Part No.	Part Name	Description Local
Q0901	2SC3928A/QR/-X	TRANSISTOR	
Q0902	2SC3928A/QR/-X	TRANSISTOR	
Q0904	2SC3928A/QR/-X	TRANSISTOR	
Q0905	2SC3928A/QR/-X	TRANSISTOR	
D0901	SELU5E20C/EF/-T	LED	POWER
D0903	UDZW6.8B-X	Z DIODE	
D0904	UDZW6.8B-X	Z DIODE	
D0905	SLR-343DC	LED	LAMP
C0902	NCB31HK-102X	C CAPACITOR	1000pF 50V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C0903	NDC31HJ-100X	C CAPACITOR	10pF 50V J	L3006	NQL79GM-100X	COIL	10uH M
C0904	NDC31HJ-100X	C CAPACITOR	10pF 50V J	L3502	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
C0905	NDC31HJ-100X	C CAPACITOR	10pF 50V J	L3504	QQL244K-4R7Z	COIL	4.7uH K
C0906	NDC31HJ-100X	C CAPACITOR	10pF 50V J	CN0T1	QGF1201C2-25	CONNECTOR	FFC/FPC (1-25)
R0906	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	CN0T2	WJK0235-001A-E	E-SI C WIRE C-B	
R0908	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	K3501	NQR0389-003X	FERRITE BEADS	
R0909	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	K3502	NQR0389-003X	FERRITE BEADS	
R0910	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	LC3501	NQR0431-001X	EMI FILTER	0.22uF 50V Z
R0911	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	TU3001	QAU0390-001	TUNER	
R0912	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	X3501	QAX0773-001Z	CRYSTAL	18.432000MHZ
R0913	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J				
S0901	QSW0619-003Z	PUSH SWITCH	POWER				

TUNER P.W. BOARD ASS'Y (LCA10731-01B) (SRA-0R501A)

△Ref No.	Part No.	Part Name	Description Local
IC3501	MSP3415GQGB8V3M	IC	
IC3504	PQ080DNA1Z-X	IC	
Q3001	2SC1623A/5-6/-X	TRANSISTOR	
Q3503	RT1N441C-X	TRANSISTOR	
C3001	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C3002	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3006	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3007	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C3008	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C3010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3011	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3024	NCB31HK-103X	C CAPACITOR	0.01uF 50V 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
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	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C3517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3518	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C3523	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C3524	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C3525	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3526	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3527	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3528	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C3529	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C3530	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3536	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3537	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3544	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3546	NCB31AK-105X	C CAPACITOR	1uF 10V K
C3548	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3561	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3015	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3026	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3030	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3547	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L3005	NQL79GM-220X	COIL	22uH M

PRINTED WIRING BOARD PARTS LIST [HD-Z61RF7, HD-Z61RF7/A, HD-Z61RF7/S]

ANALOG P.W. BOARD ASS'Y (LCA10730-01B) (SRA-1501A)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

DRIVE P.W. BOARD ASS'Y (LCA90635-02A) (SRA-3006A)

REFER TO PARTS LIST IN PAGE 3-20 FOR THIS P.W. BOARD.

REMOCON P.W. BOARD ASS'Y (LCA90663-01A) (SRA-8051A)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

TEMP P.W. BOARD ASS'Y (LCA90534-03B) (SRA-8204A)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

IRIS P.W. BOARD ASS'Y (LCA90652-02A) (SRA-8304A)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (LCA90658-01A) (SRA-9501A)

REFER TO PARTS LIST IN PAGE 3-31 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (LCA10708-22C) (SRA-0D502A)

△Ref No.	Part No.	Part Name	Description Local
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IC6001	JCC5068	IC	
IC6002	SN74LVC1G08V-X	IC	
IC6101	EDD1232AAFA-6B	IC	
IC6102	LP2996MR-X	IC	
IC6250	UPC5702GS-027-X	IC	
IC6251	R1170H331B-X	IC	
IC6301	SN74AHCT1G08V-X	IC	
IC6302	SN74AHCT1G08V-X	IC	
IC6501	THC63LVD1023	IC	
IC6724	S-80928CLNB-G-W	IC	
IC6901	R1141Q331B-X	IC	
IC7033	CD74HC4094PW-X	IC	
IC7036	ADC081S021CIS-X	IC	
IC7201	39VF800A7IEKDE9	IC(MICRO C ROM)	
IC7203	M12L16161A-7TG	IC	
IC7204	S-80928CLNB-G-W	IC	
IC7205	TC74VHC86FT-X	IC	
IC7206	74LVC1G17GW-X	IC	
IC7301	SDA6000-B12	IC	
IC7303	K4S641632K-UC75	IC	
IC7304	CD74HC4053PW-X	IC	
IC7305	MM1689CH-X	IC	
IC7306	S-80928CLNB-G-W	IC	
IC7602	ATF32-Z56RF7	IC	(SERVICE)
IC7606	MM1671XN-X	IC	
IC9001	MP2263DN-C053-X	IC	
IC9101	MM1662FT-X	IC	
IC9201	MP2263DN-C053-X	IC	
IC9301	MM1701CH-X	IC	
Q6202	2SA1530A/QR/-X	TRANSISTOR	
Q6203	2SA1022/BC/-X	TRANSISTOR	
Q6204	2SA1022/BC/-X	TRANSISTOR	
Q6205	2SA1022/BC/-X	TRANSISTOR	
Q6206	2SA1022/BC/-X	TRANSISTOR	
Q6207	2SC3837K/NP/-X	TRANSISTOR	
Q6208	2SC3837K/NP/-X	TRANSISTOR	

△Ref No.	Part No.	Part Name	Description Local
Q6209	2SC3837K/NP/-X	TRANSISTOR	
Q6210	2SC3837K/NP/-X	TRANSISTOR	
Q6211	2SC3837K/NP/-X	TRANSISTOR	
Q6212	2SC3837K/NP/-X	TRANSISTOR	
Q6213	2SC3837K/NP/-X	TRANSISTOR	
Q6214	2SC3837K/NP/-X	TRANSISTOR	
Q6250	2SC3928A/QR/-X	TRANSISTOR	
Q6251	2SC3928A/QR/-X	TRANSISTOR	
Q6301	2SA1530A/QR/-X	TRANSISTOR	
Q6302	HN1C01F/Y/-X	PAIR TRANSISTOR	
Q6303	2SA1530A/QR/-X	TRANSISTOR	
Q6304	HN1C01F/Y/-X	PAIR TRANSISTOR	
Q7030	RT1N441C-X	TRANSISTOR	
Q7032	RT1P441C-X	DIGI TRANSISTOR	
Q7033	RT1P441C-X	DIGI TRANSISTOR	
Q7035	RT1P441C-X	DIGI TRANSISTOR	
D6301	1SS355W-X	DIODE	
D6302	1SS355W-X	DIODE	
D7201	RB501V-40-X	SB DIODE	
D7301	RB501V-40-X	SB DIODE	
D7514	1SS355W-X	DIODE	
D9001	EC30HA03L-X	SB DIODE	
D9002	EC30HA03L-X	SB DIODE	
D9003	PTZ3.9B-X	Z DIODE	
D9201	EC30HA03L-X	SB DIODE	
D9202	EC30HA03L-X	SB DIODE	
D9203	PTZ3.9B-X	Z DIODE	
D9204	1SS355W-X	DIODE	
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6219	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6220	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6227	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6228	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6229	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6252	NCB11CK-105X	C CAPACITOR	1uF 16V K
C6253	NCB11CK-105X	C CAPACITOR	1uF 16V K
C6254	NCB11CK-105X	C CAPACITOR	1uF 16V K
C6255	NCB11CK-105X	C CAPACITOR	1uF 16V K
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9313	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9314	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7213	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7301	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7303	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6025	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7308	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7309	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7310	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7314	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7318	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C7319	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C7320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7325	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7326	NDC31HJ-270X	C CAPACITOR	27pF 50V J	R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7327	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7328	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7329	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7330	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7331	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7333	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7334	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7335	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7338	NEHM1CM-106X	E CAPACITOR	10uF 16V M	R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7340	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J
C7341	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7342	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7343	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7344	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7345	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7346	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6205	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7349	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7350	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7353	NCB31EK-682X	C CAPACITOR	6800pF 25V K	R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7505	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R6212	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7514	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R6220	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C7515	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R6227	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C7516	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R6228	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R6229	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R6234	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6237	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6240	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6243	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6246	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	R6247	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9211	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	R6253	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9301	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6257	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7042	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7045	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6261	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7052	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	R7058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R7060	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6277	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6290	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7077	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7078	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R6300	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6310	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6312	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7092	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6316	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6325	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6329	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6330	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6335	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6337	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6340	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6501	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7186	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
R6572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6574	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6598	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7234	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7237	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7239	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7240	NQR0199-003X	FERRITE BEADS	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7303	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7304	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7040	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R7305	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7041	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7309	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R7310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7312	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7314	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7315	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7317	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7319	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7320	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7321	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7322	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7324	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7325	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7327	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7330	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7334	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6501	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6502	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6503	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7339	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA6504	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6505	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6506	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω
R7343	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7346	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω
R7347	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7348	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA7202	NRZ0080-473X	NET RESISTOR	47kΩ
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA7203	NRZ0080-473X	NET RESISTOR	47kΩ
R7352	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	RA7204	NRZ0080-473X	NET RESISTOR	47kΩ
R7353	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	RA7205	NRZ0080-473X	NET RESISTOR	47kΩ
R7354	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	RA7503	NQR0271-004X	EMI FILTER	
R7356	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7358	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	L6102	NQL79GM-220X	COIL	22uH M
R7359	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6103	NQL79GM-220X	COIL	22uH M
R7363	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6115	NQR0499-001X	FERRITE BEADS	
R7364	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7365	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6265	NQR0499-001X	FERRITE BEADS	
R7366	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6266	NQR0499-001X	FERRITE BEADS	
R7367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	L6511	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7368	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6512	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7369	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6513	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7371	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6514	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7372	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6516	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6531	NQR0199-007X	FERRITE BEADS	
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6701	NQR0413-003X	FERRITE BEADS	
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6911	NQR0499-001X	FERRITE BEADS	
R7514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6912	NQR0499-001X	FERRITE BEADS	
R7515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6922	NQL79GM-220X	COIL	22uH M
R7523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6924	NQL79GM-220X	COIL	22uH M
R7524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6925	NQL79GM-220X	COIL	22uH M
R7525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6931	NQR0499-001X	FERRITE BEADS	
R7529	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	L7301	NQR0489-002X	FERRITE BEADS	
R7530	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7302	NQR0489-002X	FERRITE BEADS	
R7533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7303	NQL092K-4R7X	P COIL	4.7uH K
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7304	NQL092K-4R7X	P COIL	4.7uH K
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7305	NQL092K-4R7X	P COIL	4.7uH K
R7634	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	L7306	NQL092K-4R7X	P COIL	4.7uH K
R7635	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L7307	NQL092K-4R7X	P COIL	4.7uH K
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7308	NQL092K-4R7X	P COIL	4.7uH K
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7309	NQL092K-4R7X	P COIL	4.7uH K
R7661	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7310	NQL092K-4R7X	P COIL	4.7uH K
R7662	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7311	NQL092K-4R7X	P COIL	4.7uH K
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L7312	NQL092K-4R7X	P COIL	4.7uH K
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L7313	NQL092K-4R7X	P COIL	4.7uH K
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	L7314	NQR0489-002X	FERRITE BEADS	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	L7315	NQL092K-4R7X	P COIL	4.7uH K
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	L7316	NQL092K-4R7X	P COIL	4.7uH K
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L9001	NQLC8CM-150X	COIL	15uH M
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L9201	NQLC8CM-150X	COIL	15uH M
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	CN011	QGF0508F4-50X	CONNECTOR	FFC/FPC (1-50)
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	CN012	QGF0508F4-40X	CONNECTOR	FFC/FPC (1-40)
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	J8501	NNZ0117-001	CONNECTOR	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	J8502	NNZ0117-001	CONNECTOR	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9302	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K6271	NQR0499-001X	FERRITE BEADS	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K6272	NQR0499-001X	FERRITE BEADS	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	K6274	NQR0499-001X	FERRITE BEADS	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J				
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				

△Ref No.	Part No.	Part Name	Description Local
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7030	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K7211	NQR0499-002X	FERRITE BEADS	
K7302	NQR0389-003X	FERRITE BEADS	
K7308	NRSA02J-390X	MG RESISTOR	39Ω 1/10W J
K7501	NQR0413-002X	FERRITE BEADS	
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z
X6250	NAX0580-001X	CXO	27.0000MHz
X7001	NAX0669-001X	C RESONATOR	6.000MHz
X7309	NAX0644-001X	CRYSTAL	6.000000MHz

**SIDE CONTROL P.W. BOARD ASS'Y
(LCA90662-01B) (SRA-0L051A)**

REFER TO PARTS LIST IN PAGE 3-37 FOR THIS P.W. BOARD.

**LAMP COVER SW P.W. BOARD
ASS'Y (LCA90661-01A) (SRA-0L251A)**

REFER TO PARTS LIST IN PAGE 3-37 FOR THIS P.W. BOARD.

**FRONT LED P.W. BOARD ASS'Y
(LCA90660-01A) (SRA-0L502A)**

REFER TO PARTS LIST IN PAGE 3-37 FOR THIS P.W. BOARD.

**TUNER P.W. BOARD ASS'Y
(LCA10731-01B) (SRA-0R501A)**

REFER TO PARTS LIST IN PAGE 3-38 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [HD-Z70RF7, HD-Z70RF7/A, HD-Z70RF7/S]

ANALOG P.W. BOARD ASS'Y (LCA10730-01B) (SRA-1501A)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

DRIVE P.W. BOARD ASS'Y (LCA90635-02A) (SRA-3006A)

REFER TO PARTS LIST IN PAGE 3-20 FOR THIS P.W. BOARD.

REMOCON P.W. BOARD ASS'Y (LCA90663-01A) (SRA-8051A)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

TEMP P.W. BOARD ASS'Y (LCA90534-03B) (SRA-8204A)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

IRIS P.W. BOARD ASS'Y (LCA90652-02A) (SRA-8304A)

REFER TO PARTS LIST IN PAGE 3-30 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (LCA90658-01A) (SRA-9501A)

REFER TO PARTS LIST IN PAGE 3-31 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (LCA10708-21C) (SRA-0D501A)

△Ref No.	Part No.	Part Name	Description Local
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IC6001	JCC5068	IC	
IC6002	SN74LVC1G08V-X	IC	
IC6101	EDD1232AAFA-6B	IC	
IC6102	LP2996MR-X	IC	
IC6250	UPC5702GS-027-X	IC	
IC6251	R1170H331B-X	IC	
IC6301	SN74AHCT1G08V-X	IC	
IC6302	SN74AHCT1G08V-X	IC	
IC6501	THC63LVD1023	IC	
IC6724	S-80928CLNB-G-W	IC	
IC6901	R1141Q331B-X	IC	
IC7033	CD74HC4094PW-X	IC	
IC7036	ADC081S021CIS-X	IC	
IC7201	39VF800A7IEKDE8	IC(MICRO C ROM)	
IC7203	M12L16161A-7TG	IC	
IC7204	S-80928CLNB-G-W	IC	
IC7205	TC74VHC86FT-X	IC	
IC7206	74LVC1G17GW-X	IC	
IC7301	SDA6000-B12	IC	
IC7303	K4S641632K-UC75	IC	
IC7304	CD74HC4053PW-X	IC	
IC7305	MM1689CH-X	IC	
IC7306	S-80928CLNB-G-W	IC	
IC7602	ATF32-Z56RF7	IC	(SERVICE)
IC7606	MM1671XN-X	IC	
IC9001	MP2263DN-C053-X	IC	
IC9101	MM1662FT-X	IC	
IC9201	MP2263DN-C053-X	IC	
IC9301	MM1701CH-X	IC	
Q6202	2SA1530A/QR/-X	TRANSISTOR	
Q6203	2SA1022/BC/-X	TRANSISTOR	
Q6204	2SA1022/BC/-X	TRANSISTOR	
Q6205	2SA1022/BC/-X	TRANSISTOR	
Q6206	2SA1022/BC/-X	TRANSISTOR	
Q6207	2SC3837K/NP/-X	TRANSISTOR	
Q6208	2SC3837K/NP/-X	TRANSISTOR	

△Ref No.	Part No.	Part Name	Description Local
Q6209	2SC3837K/NP/-X	TRANSISTOR	
Q6210	2SC3837K/NP/-X	TRANSISTOR	
Q6211	2SC3837K/NP/-X	TRANSISTOR	
Q6212	2SC3837K/NP/-X	TRANSISTOR	
Q6213	2SC3837K/NP/-X	TRANSISTOR	
Q6214	2SC3837K/NP/-X	TRANSISTOR	
Q6250	2SC3928A/QR/-X	TRANSISTOR	
Q6251	2SC3928A/QR/-X	TRANSISTOR	
Q6301	2SA1530A/QR/-X	TRANSISTOR	
Q6302	HN1C01F/Y/-X	PAIR TRANSISTOR	
Q6303	2SA1530A/QR/-X	TRANSISTOR	
Q6304	HN1C01F/Y/-X	PAIR TRANSISTOR	
Q7030	RT1N441C-X	TRANSISTOR	
Q7032	RT1P441C-X	DIGI TRANSISTOR	
Q7033	RT1P441C-X	DIGI TRANSISTOR	
Q7035	RT1P441C-X	DIGI TRANSISTOR	
D6301	1SS355W-X	DIODE	
D6302	1SS355W-X	DIODE	
D7201	RB501V-40-X	SB DIODE	
D7301	RB501V-40-X	SB DIODE	
D7514	1SS355W-X	DIODE	
D9001	EC30HA03L-X	SB DIODE	
D9002	EC30HA03L-X	SB DIODE	
D9003	PTZ3.9B-X	Z DIODE	
D9201	EC30HA03L-X	SB DIODE	
D9202	EC30HA03L-X	SB DIODE	
D9203	PTZ3.9B-X	Z DIODE	
D9204	1SS355W-X	DIODE	
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6217	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6218	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6219	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6220	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6227	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6228	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6229	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6240	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C6252	NCB11CK-105X	C CAPACITOR	1uF 16V K
C6253	NCB11CK-105X	C CAPACITOR	1uF 16V K
C6254	NCB11CK-105X	C CAPACITOR	1uF 16V K
C6255	NCB11CK-105X	C CAPACITOR	1uF 16V K
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9313	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9314	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C9621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7213	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7215	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7301	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7303	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6025	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7308	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7309	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7310	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7314	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7318	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C7319	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C7320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7325	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7326	NDC31HJ-270X	C CAPACITOR	27pF 50V J	R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7327	NDC31HJ-330X	C CAPACITOR	33pF 50V J	R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7328	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7329	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7330	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7331	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7333	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7334	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7335	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7338	NEHM1CM-106X	E CAPACITOR	10uF 16V M	R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C7340	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J
C7341	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7342	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7343	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7344	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7345	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7346	NCB11AK-106X	C CAPACITOR	10uF 10V K	R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6205	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7349	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7350	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R6208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7353	NCB31EK-682X	C CAPACITOR	6800pF 25V K	R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7505	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R6212	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7514	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R6220	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C7515	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R6227	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C7516	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R6228	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C7517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R6229	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R6234	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6237	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6240	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R6243	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6246	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	R6247	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9211	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	R6253	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9301	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	R6257	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7042	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7045	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6261	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R7052	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	R7058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R7060	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6277	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6290	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7077	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7078	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R6300	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6310	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6312	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7092	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6316	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6325	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6329	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6330	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6335	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6337	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6340	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6501	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7186	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
R6572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6574	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6598	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7234	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7237	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7239	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7240	NQR0199-003X	FERRITE BEADS	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7303	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R7304	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7040	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R7305	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7041	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7309	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R7310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7312	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7314	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7315	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7317	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7319	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6102	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7320	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7321	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7322	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6105	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4
R7324	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6107	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7325	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	RA6108	NRZ0080-220X	NET RESISTOR	22Ω 1/16W J
R7327	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7330	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6110	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7333	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7334	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6113	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4
R7337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6115	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7339	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA6116	NRZ0080-470X	NET RESISTOR	47Ω 1/16W J
R7340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6501	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6502	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6503	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7343	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	RA6504	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7346	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	RA6505	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7347	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	RA6506	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7348	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7352	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω
R7353	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J
R7354	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	RA7202	NRZ0080-473X	NET RESISTOR	47kΩ
R7356	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7203	NRZ0080-473X	NET RESISTOR	47kΩ
R7358	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	RA7204	NRZ0080-473X	NET RESISTOR	47kΩ
R7359	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RA7205	NRZ0080-473X	NET RESISTOR	47kΩ
R7363	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA7503	NQR0271-004X	EMI FILTER	
R7364	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7365	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6102	NQL79GM-220X	COIL	22uH M
R7366	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6103	NQL79GM-220X	COIL	22uH M
R7367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	L6115	NQR0499-001X	FERRITE BEADS	
R7368	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7369	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6265	NQR0499-001X	FERRITE BEADS	
R7371	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6266	NQR0499-001X	FERRITE BEADS	
R7372	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6511	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6512	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6513	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6514	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6516	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6531	NQR0199-007X	FERRITE BEADS	
R7523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6701	NQR0413-003X	FERRITE BEADS	
R7524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6911	NQR0499-001X	FERRITE BEADS	
R7525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6912	NQR0499-001X	FERRITE BEADS	
R7529	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	L6922	NQL79GM-220X	COIL	22uH M
R7530	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6924	NQL79GM-220X	COIL	22uH M
R7533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L6925	NQL79GM-220X	COIL	22uH M
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L6931	NQR0499-001X	FERRITE BEADS	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7301	NQR0489-002X	FERRITE BEADS	
R7634	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	L7302	NQR0489-002X	FERRITE BEADS	
R7635	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L7303	NQL092K-4R7X	P COIL	4.7uH K
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7304	NQL092K-4R7X	P COIL	4.7uH K
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7305	NQL092K-4R7X	P COIL	4.7uH K
R7661	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7306	NQL092K-4R7X	P COIL	4.7uH K
R7662	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7307	NQL092K-4R7X	P COIL	4.7uH K
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7308	NQL092K-4R7X	P COIL	4.7uH K
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7309	NQL092K-4R7X	P COIL	4.7uH K
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7310	NQL092K-4R7X	P COIL	4.7uH K
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L7311	NQL092K-4R7X	P COIL	4.7uH K
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L7312	NQL092K-4R7X	P COIL	4.7uH K
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L7313	NQL092K-4R7X	P COIL	4.7uH K
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	L7314	NQR0489-002X	FERRITE BEADS	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	L7315	NQL092K-4R7X	P COIL	4.7uH K
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	L7316	NQL092K-4R7X	P COIL	4.7uH K
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L9001	NQLC8CM-150X	COIL	15uH M
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L9201	NQLC8CM-150X	COIL	15uH M
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	CN011	QGF0508F4-50X	CONNECTOR	FFC/FPC (1-50)
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	CN012	QGF0508F4-40X	CONNECTOR	FFC/FPC (1-40)
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	J8501	NNZ0117-001	CONNECTOR	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	J8502	NNZ0117-001	CONNECTOR	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9302	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
R9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				

△Ref No.	Part No.	Part Name	Description Local
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6271	NQR0499-001X	FERRITE BEADS	
K6272	NQR0499-001X	FERRITE BEADS	
K6274	NQR0499-001X	FERRITE BEADS	
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7030	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
K7211	NQR0499-002X	FERRITE BEADS	
K7302	NQR0389-003X	FERRITE BEADS	
K7308	NRSA02J-390X	MG RESISTOR	39Ω 1/10W J
K7501	NQR0413-002X	FERRITE BEADS	
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z
X6250	NAX0580-001X	CXO	27.0000MHz
X7001	NAX0669-001X	C RESONATOR	6.000MHz
X7309	NAX0644-001X	CRYSTAL	6.000000MHz

FRONT LED P.W. BOARD ASS'Y (LCA90659-01A) (SRA-0L501A)

△Ref No.	Part No.	Part Name	Description Local
Q0701	2SC3928A/QR/-X	TRANSISTOR	
Q0702	2SC3928A/QR/-X	TRANSISTOR	
Q0704	2SC3928A/QR/-X	TRANSISTOR	
Q0705	2SC3928A/QR/-X	TRANSISTOR	
D0701	SELU5E20C/EF/-T	LED	POWER
D0703	UDZW6.8B-X	Z DIODE	
D0704	UDZW6.8B-X	Z DIODE	
D0705	SLR-343DC	LED	LAMP
C0702	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C0703	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C0704	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C0705	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C0706	NDC31HJ-100X	C CAPACITOR	10pF 50V J
R0706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0708	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R0709	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R0710	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R0711	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R0712	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R0713	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
S0701	QSW0619-003Z	PUSH SWITCH	POWER

SIDE CONTROL P.W. BOARD ASS'Y (LCA90662-01B) (SRA-0L051A)

REFER TO PARTS LIST IN PAGE 3-37 FOR THIS P.W. BOARD.

LAMP COVER SW P.W. BOARD ASS'Y (LCA90661-01A) (SRA-0L251A)

REFER TO PARTS LIST IN PAGE 3-37 FOR THIS P.W. BOARD.

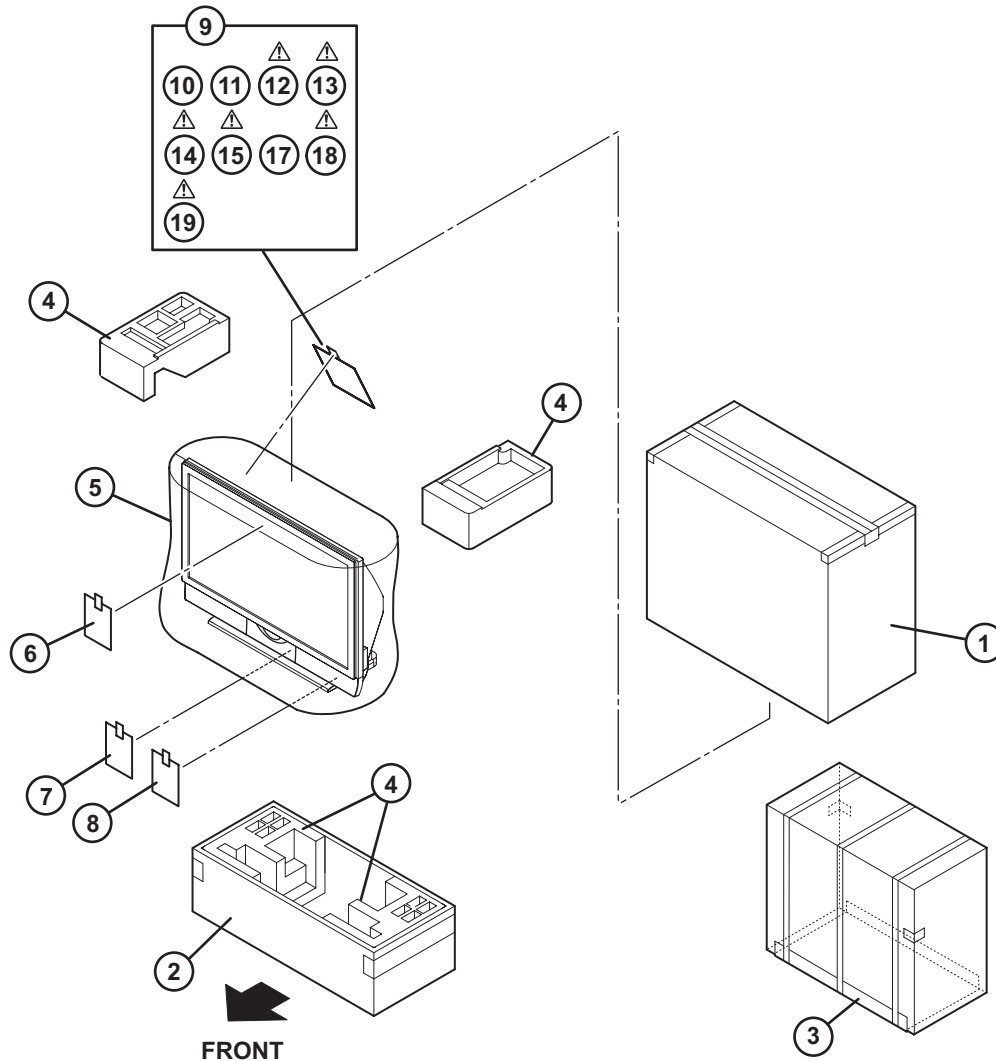
TUNER P.W. BOARD ASS'Y (LCA10731-01B) (SRA-0R501A)

REFER TO PARTS LIST IN PAGE 3-38 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C1855-1C)

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

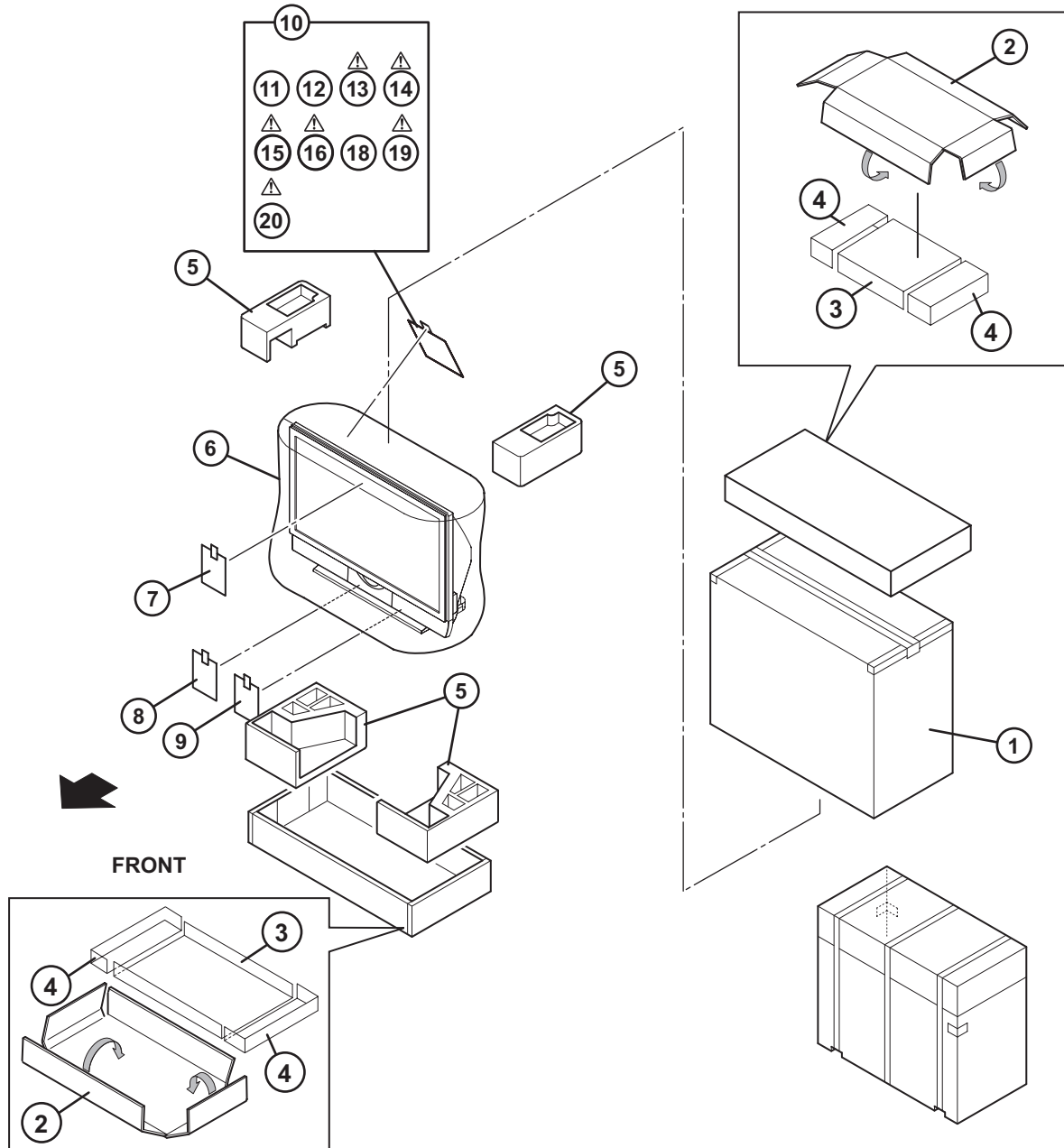
PACKING [HD-Z56RF7, HD-Z56RF7/A, HD-Z56RF7/S, HD-Z61RF7, HD-Z61RF7/A, HD-Z61RF7/S]



PACKING PARTS LIST

△	Ref.No.	Part No.	Part Name	Description	Local
	1	LC22289-001A	PACKING CASE		HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
	1	LC22288-001A	PACKING CASE		HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
	2	LC12725-001B	PACKING TRAY		HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
	2	LC12756-001B	PACKING TRAY		HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
	3	LC22202-001B	SUPPORT TRAY		HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
	3	LC22204-001B	SUPPORT TRAY		HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
	4	LC12722-001B	CUSHION ASSY	4pcs in 1set	HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
	4	LC12753-001B	CUSHION ASSY	4pcs in 1set	HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
	5	LC30236-009A	POLY BAG		HD-Z56RF7,HD-Z56RF7A,HD-Z56RF7S
	5	LC30236-010A	POLY BAG		HD-Z61RF7,HD-Z61RF7A,HD-Z61RF7S
	6	LCT1916-001A	CAUTION SHEET		
	7	LCT2137-001A	CAUTION SHEET		
	8	LCT2137-002A	CAUTION SHEET		HD-Z56RF7,HD-Z56RF7S,HD-Z61RF7,HD-Z61RF7S
	9	QPA02503505PB	POLY BAG	25cm x 35cm	
	10	-----	BATTERY	AAA/R03(x2)	
	11	RM-C1855-1C	REMOTE CONTROL UNIT		
△	12	LCT2132-001A	INST BOOK	English	HD-Z56RF7,HD-Z56RF7S,HD-Z61RF7,HD-Z61RF7S
△	13	LCT2133-001A	INST BOOK	Arabic/Traditional Chinese/French/Persian/Russian	
△	14	LCT2134-001A	INST BOOK	Ukrainian	
△	15	QAM0112-002	CONVERSION PLUG		HD-Z56RF7,HD-Z61RF7
△	17	QAM0921-001	ATTACHED PLUG		HD-Z56RF7,HD-Z61RF7
△	18	-----	WARRANTY CARD	BT-56016-1	HD-Z56RF7A,HD-Z61RF7A
△	19	-----	WARRANTY CARD	BT-56017-1	HD-Z56RF7A,HD-Z61RF7A

PACKING [HD-Z70RF7, HD-Z70RF7_{IA}, HD-Z70RF7_{IS}]



PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	LC22287-001A	PACKING CASE		
2	LC12583-001A	PACKING TRAY	(x2)	
3	LC12584-001A	PAD		
4	LC33390-001A	PAD	(x2)	
5	LC12173-001A	CUSHION ASSY	4pcs in 1set	
6	LC30236-011A	POLY BAG		
7	LCT1916-001A	CAUTION SHEET		
8	LCT2137-001A	CAUTION SHEET		
9	LCT2137-002A	CAUTION SHEET		
10	QPA02503505P	POLY BAG	25cm x 35cm	HD-Z70RF7,HD-Z70RF7S
10	QPA02503505PB	POLY BAG	25cm x 35cm	HD-Z70RF7
11	-----	BATTERY	AAA/R03(x2)	HD-Z70RF7A,HD-Z70RF7S
12	RM-C1855-1C	REMOTE CONTROL UNIT		
△ 13	LCT2132-001A	INST BOOK	English	
△ 14	LCT2133-001A	INST BOOK	Arabic/Traditional Chinese/French/Persian/Russian	HD-Z70RF7,HD-Z70RF7S
△ 15	LCT2134-001A	INST BOOK	Ukrainian	HD-Z70RF7
△ 16	QAM0112-002	CONVERSION PLUG		HD-Z70RF7
△ 18	QAM0921-001	ATTACHED PLUG		HD-Z70RF7
△ 19	-----	WARRANTY CARD	BT-56016-1	HD-Z70RF7A
△ 20	-----	WARRANTY CARD	BT-56017-1	HD-Z70RF7A

JVC

HD-ILA TV

HD-Z70RF7

HD-Z61RF7

HD-Z56RF7

INSTRUCTIONS

HD-ILA™
Powered by **D-ILA**

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

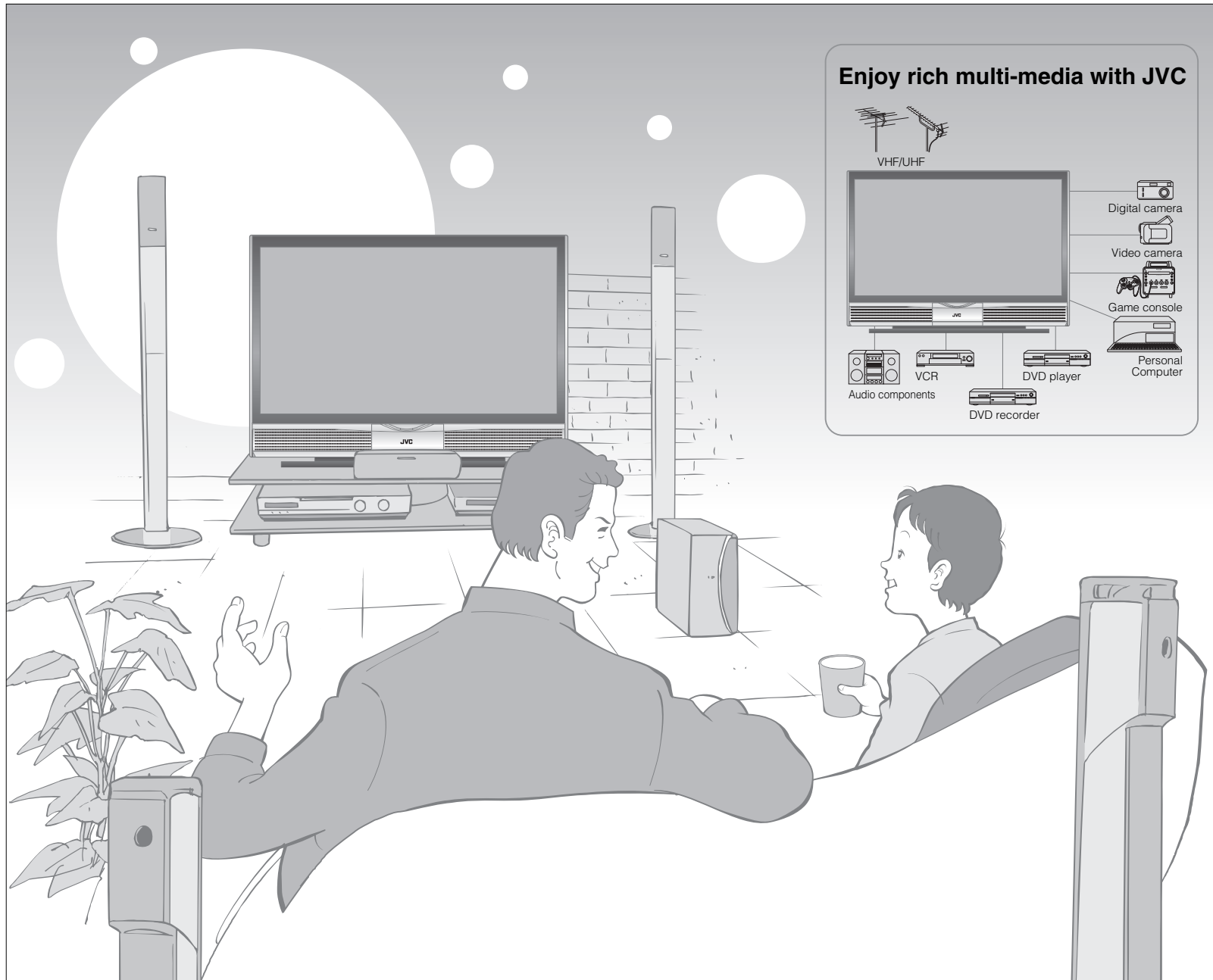
HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

MaxxBass®

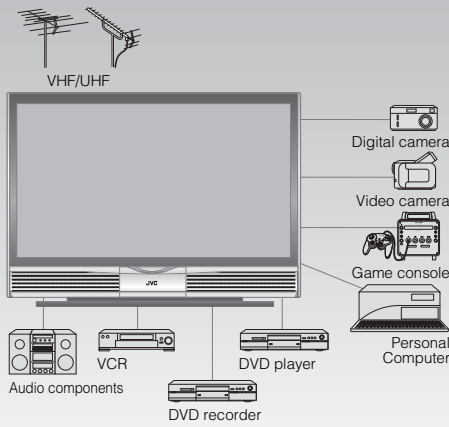


HD-Z70RF7

Expanding the world of beautiful images



Enjoy rich multi-media with JVC



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IMPORTANT!

PREPARE

USE

SETTINGS

TROUBLE?

Warning

Please follow all the guidelines below

Never insert objects into the cabinet openings!

- It may cause a fatal electric shock. Take care when children are near.



Never place anything on the TV!

- Placing liquids, open flames, cloths, paper, etc. on the TV may cause a fire.



Never expose to rain or moisture!

- To prevent fire or electric shock, never allow liquids to enter the unit.

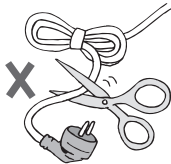


Do not allow the TV to fall!

- Do not rest your elbows on, or allow children to hang from the TV. There is a risk that the TV will fall and cause injuries.

Never cut or damage the power cord!

- If the AC plug is not the right shape, or the power cord is not long enough, use an appropriate plug adapter or extension cable. (Consult your retailer.)



Follow this manual regarding setup!

- Connect only to a 110-240V, 50/60Hz AC outlet.

Never try to repair the TV yourself!

- ➔ If the problem cannot be solved in "Troubleshooting" (P. 20), unplug the power cord and contact your retailer.

If the TV is damaged or behaving strangely, stop using it at once!

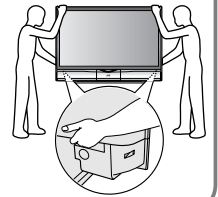
- ➔ Unplug the power cord and contact your retailer.

Hold the TV so as not to scratch the screen!

- Do not touch the screen when carrying the TV.

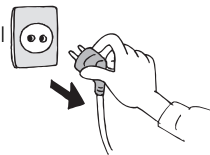
Do not hold by the screen frame when moving the TV!

- This could cause the screen frame to detach, causing the TV to fall. Hold the TV as illustrated on the right.



Unplug the power cord when going out!

- The power buttons on the remote control and the TV unit cannot completely turn off the TV. (Make appropriate arrangements for bedridden people.)
- Make sure that the cooling process (P. 3) has completed before unplugging the power cord.



Make enough room for inserting and removing the power plug!

Place the TV as near as possible to the AC outlet

- The main power supply for this TV is controlled by inserting or removing the power plug.

Ensure ample room to avoid overheating

- ➔ "Installation requirements" (P. 7)

Never dismantle the rear panel!

- It may cause an electric shock.

Never block the ventilation holes!

- It may cause overheating or a fire.

Handle screen with care!

- Use a soft, dry cloth when cleaning.

Never listen with headphones at high volume!

- It may damage your hearing.

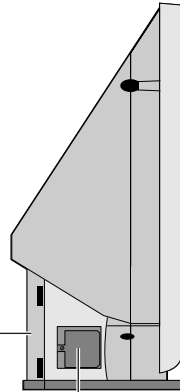
- For more details on installation, usage and safety ➔ Consult your retailer



Precautions

Please follow all the guidelines below

This TV uses a lamp to project the picture on the screen. Misoperations may shorten the lamp life or cause malfunction of the lamp. Before operating the TV, read all the instructions below.



This TV has a fan to cool the lamp

- When the lamp is hotter, the fan works harder to cool the lamp. In such a case, the noise of the fan becomes louder but it is not malfunction.

Do not place the TV too closely to wallpaper

- The warm air from the air ducts may change the colour of the wallpaper.

Keep children or pets away from the air ducts

- Long exposure to the warm air from the ducts may cause a minor burn.

The lamp is a consumable item

- When the lamp has blown, replace the lamp; otherwise, the picture cannot be displayed. For details ▶ “Replacing the lamp” (P. 4, 5)

Follow the instructions on “Replacing the lamp” when replacing the lamp (P. 4)

- Handle the lamp carefully and correctly; otherwise, it may cause a burn or an electric shock. In addition, it may shorten lamp life or cause malfunction of the TV.

Never open the lamp cover except when replacing the lamp

■ Exposing the lamp is dangerous because...

- The lamp becomes extremely hot while in use, it may cause a burn.
- Touching metallic portion of the lamp may cause electric shock.
- Ultraviolet rays are emitted from the lamp.

Never replace the lamp immediately after use

- Since the lamp becomes extremely hot while in use, it may cause a burn.

Never touch the lamp glass

- Dirt or oil from the finger may cause the lamp to break.

When the power is turned on, the warming up commences

- Immediately after the TV is turned on, the picture is displayed only dimly. It takes about one minute for the lamp to warm up. Once the lamp has warmed up, you can enjoy the pictures at their normal brightness.
- During this warming-up period, the LAMP indicator blinks every 2 seconds.

While the LAMP indicator is blinking, the TV cannot be turned off

When the power is turned off, the cooling down is performed

- When the TV is turned off, the picture on the screen disappears gradually. Once the screen is dark, cooling down is performed for about 1 minute.
- During this cooling-down period, the LAMP indicator blinks every 2 seconds.
- Do not unplug the TV while the lamp is cooling down. This may cause the internal circuits and the lamp to overheat and shorten the lamp life.

While the LAMP indicator is blinking, the TV cannot be turned on

- You can turn on the TV within 15 seconds after turning off.

Condensation on the lamp and screen

- When the heater is turned on or the TV is moved from a cold place to a warm place, droplets of water may form on the lamp and screen. This is called condensation. If the TV is used while this condensation is still present, the picture may seem distorted, and the inside of the screen may become dirty. In this case, wait until the condensation has gone before using the TV.

Do not turn the power on and off repeatedly in a short period

- It subjects the TV and the lamp to stress and may lead to malfunctions and shorten the lamp life.

Do not keep the TV on for more than 24 hours consecutively

- The lamp life may be shortened.

Do not project a still picture for a long time

- Because of the ILA characteristics, still picture may stick on the screen. (The picture will disappear over time.)

■ For more details on installation, usage and safety ▶ Consult your retailer

Replacing the lamp



Before replacing the lamp, read all the instructions.

The TV uses a lamp to project the picture onto the screen. When the lamp has blown or when the picture becomes dark, replace the lamp. Before replacing the lamp, read all the instructions carefully.

■ If you feel unsure about replacing the lamp yourself → Consult your retailer

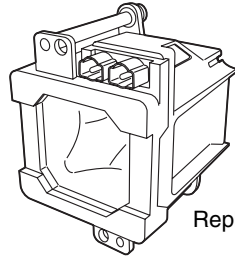
Preparation

Prepare the Replacement Lamp Kit

- For purchasing the Replacement Lamp Kit, consult your retailer.

⚠ Use only the specified Replacement Lamp Kit!

This lamp is for use with JVC model televisions. Using the lamp with a different television or other product could cause a malfunction and/or damage to the television or lamp.



Replacement Lamp Kit:
TS-CL110C
• High-pressure mercury lamp

When the lamp is near to its end...

- The following message appears on the screen.

Lamp needs to be replaced.
Refer to instructions book for replacement instructions.

After replacing the Lamp, please reset timer in the TV menu.

Press OK, if you do not want to see this message again.

■ To make the message disappear



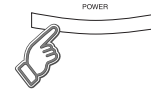
After the usage time of the lamp has reached to 6500 hours, this message appears every time you turn on the TV.

■ Possible causes of shortened lamp life

- Turning on/off the TV repeatedly in a short amount of time
- Keeping the TV turned on for more than 24 hours consecutively

1

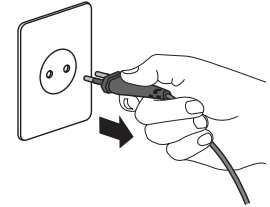
Turn the TV off



Wait until the LAMP indicator stops blinking

- LAMP indicator and Power lamp are referred as "LAMP LED" and "POWER LED" on the Instructions of Replacement Lamp Kit TS-CL110C.

Unplug the TV



2

Wait for at least 1 hour until the lamp has fully cooled

3

Remove the lamp unit

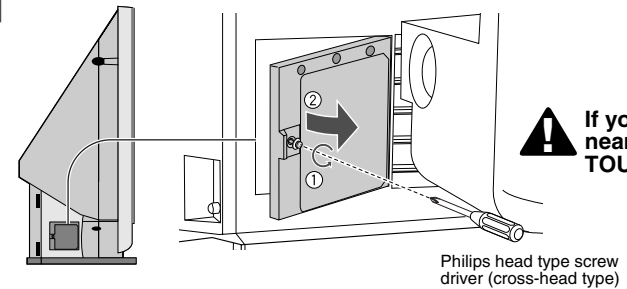
⚠ Never replace the lamp before it has fully cooled!

The lamp becomes extremely hot while in use, which may cause a burn. After turning off the TV, wait for at least 1 hour.

⚠ Never attempt to replace the lamp with the TV plugged in!

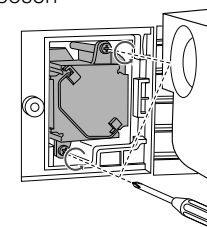
Attempting to replace the lamp with the TV plugged in could lead to a severe electrical shock.

1 Remove the lamp cover

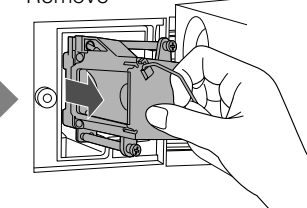


⚠ If you feel any warmth near the lamp, DO NOT TOUCH IT!

2 Remove the lamp unit
Loosen



Remove

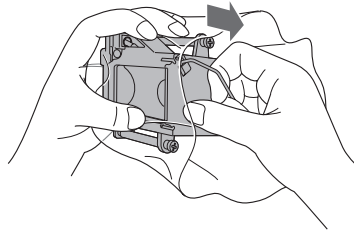


Do not drop the lamp!

● HD-Z70RF7 is used for explanation on the illustrations on this Instructions.

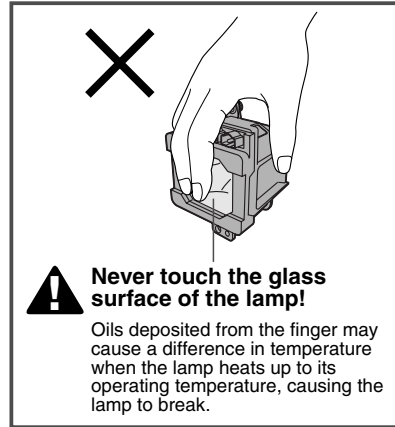
4 Install the NEW lamp unit

1 Unpack



**Do not drop the lamp!
Do not shock the glass surface of the lamp!**

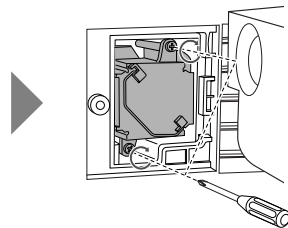
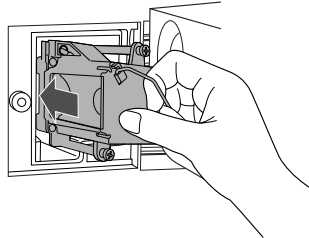
It may shatter the lamp causing injuries.



Re-tighten

2 Insert

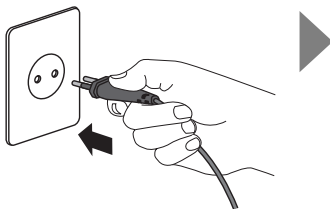
- Make sure the lamp sits securely and flat in the housing area.



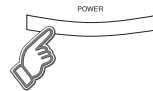
3 Reinstall the lamp cover

- Tighten the screw.

5 Plug in the TV



Turn the TV on



- If the lamp unit is not installed securely (e.g. flat in the lamp housing area), the TV won't turn on. In this case, reinstall the lamp unit.

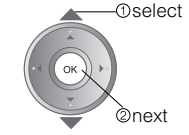
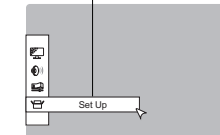
6 Reset the lamp timer



1 Display the menu bar

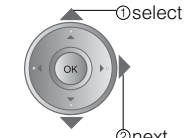
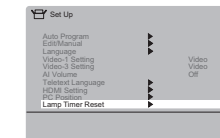


2 Select "Set Up"



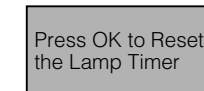
3

Select "Lamp Timer Reset"



4

Finish



7 Finally, the lamp has been replaced!

! Never dispose of the lamp with normal trash!

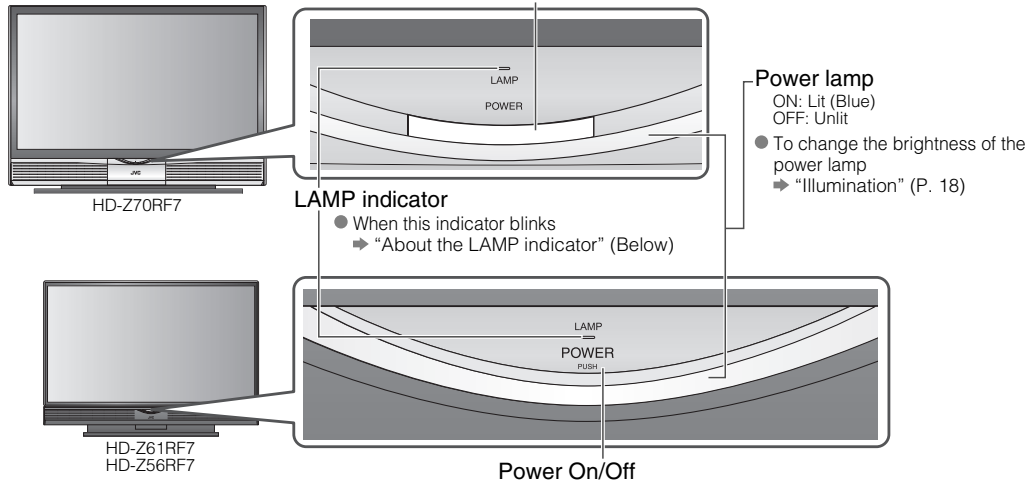
The lamp contains a small amount of mercury. For disposal or recycling information, please contact your local authorities or consult your retailer.

Dispose of it in the same way as disposing of fluorescent lamps.

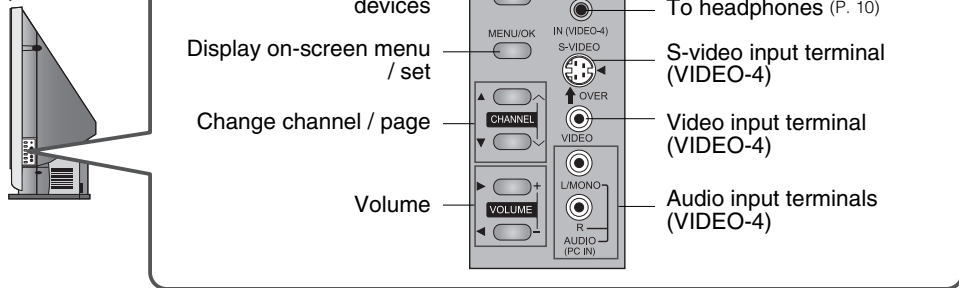
■ If the power lamp and LAMP indicator blink rapidly after turning on the TV → "Lamp" (P. 21)

Names of all the parts

Front panel



Left side panel



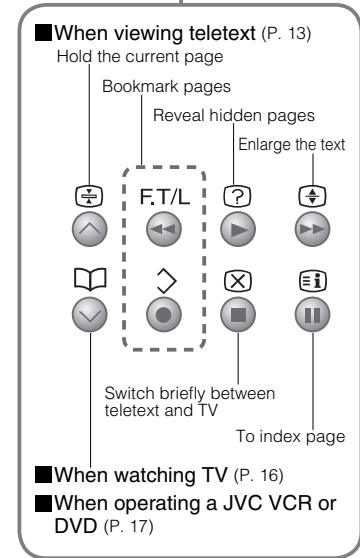
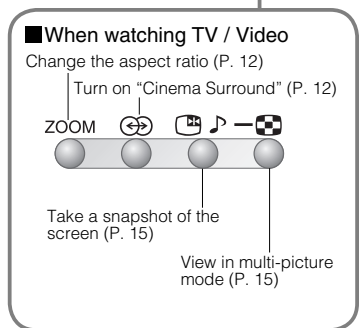
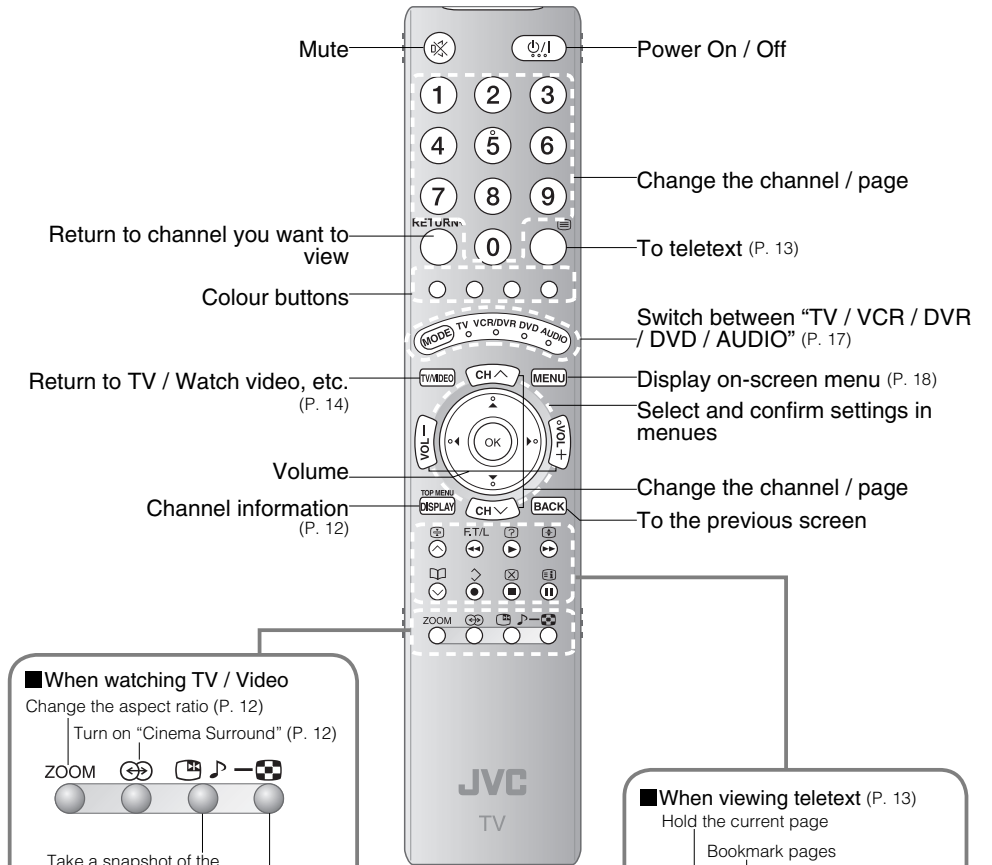
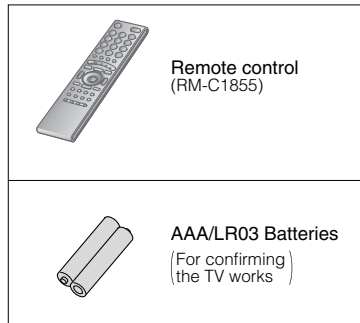
● Connecting terminals on the back of the TV ➔ "Connecting external devices" (P. 10)

About the LAMP indicator

The LAMP indicator blinks as follows.

- When turning on the TV, the LAMP indicator blinks for about 1 minute every 2 seconds.
➔ The lamp is warming up. During this period, the TV cannot be turned off.
- After turning off the TV, the LAMP indicator blinks for about 1 minute every 2 seconds.
➔ Cooling is performed. During the cooling period, the TV cannot be turned on.
- If the LAMP indicator blinks rapidly
➔ "Lamp" (P. 21)

Check accessories

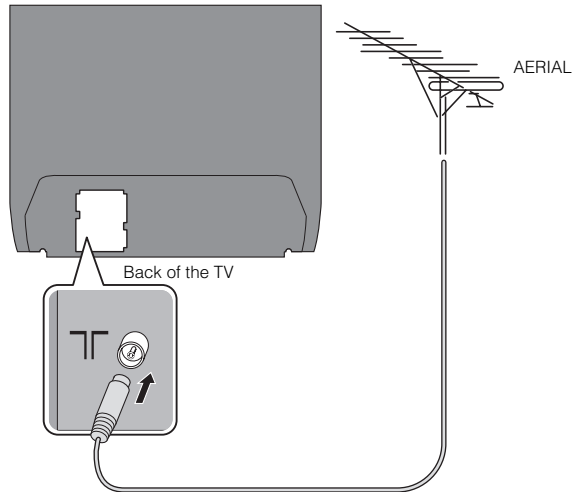


Basic connections

Please read the user manuals of each device carefully before setup.
It is necessary to connect an aerial to watch TV.

■ **Connect with other devices** → “Connecting external devices” (P. 10)

Connect the aerial



- After all the connections have been made, insert the plug into an AC outlet.

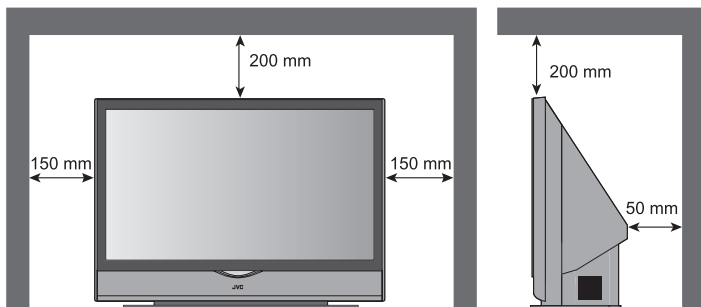
Care when setting

■ **Power requirements**

- Connect the power cord only to a 110-240V, 50/60Hz AC outlet.

■ **Installation requirements**

- To avoid overheating, ensure the unit has ample room.



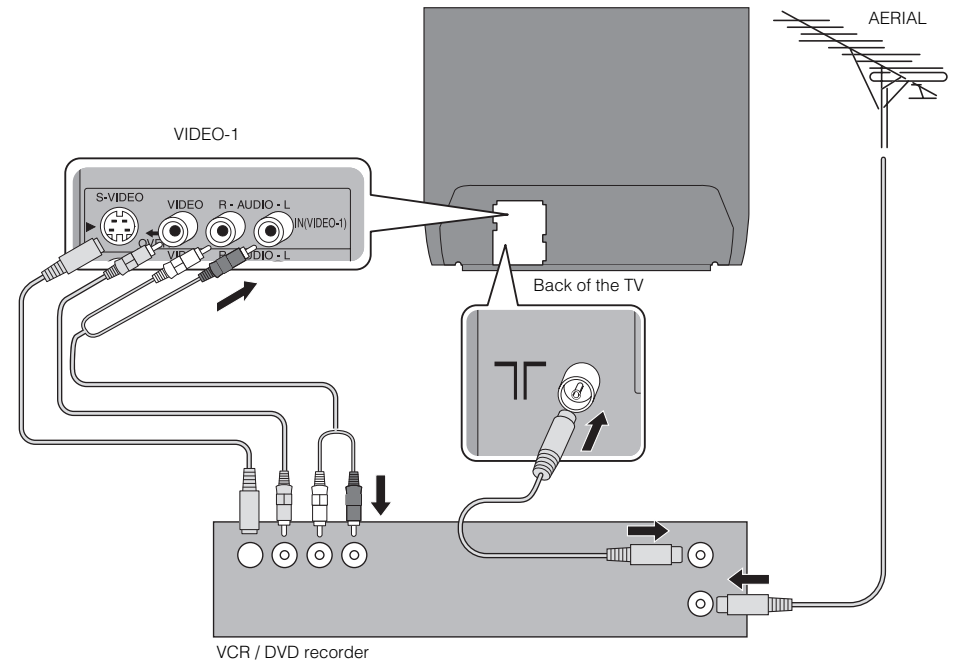
Do not place the TV too close to wallpaper

- The warm air from the air ducts may change the colour of the wallpaper.

Keep children or pets away from the air ducts

- Long exposure to the warm air from the ducts may cause a minor burn.

Connect a VCR / DVD recorder

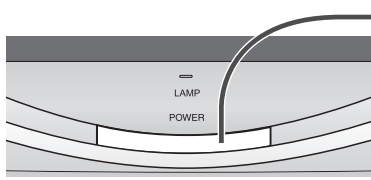


- After all the connections have been made, insert the plug into an AC outlet.
- If both composite and S-VIDEO cable are connected, S-VIDEO will be enable.

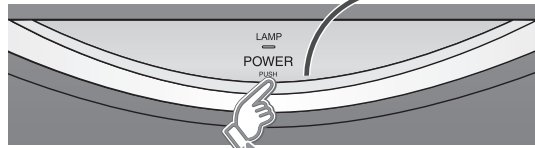
Initial settings

Set the menu language, installation location and automatically register the TV channels. These channels can be edited later in "Editing channels" (P. 9).

- After turning on the TV, it takes about 1 minute to project the picture to its full brightness.
- After turning off the TV, it takes about 5 seconds to make the screen dark. After that, cooling is performed for about 1 minute.
- ➔ "About the LAMP indicator" (P. 6)

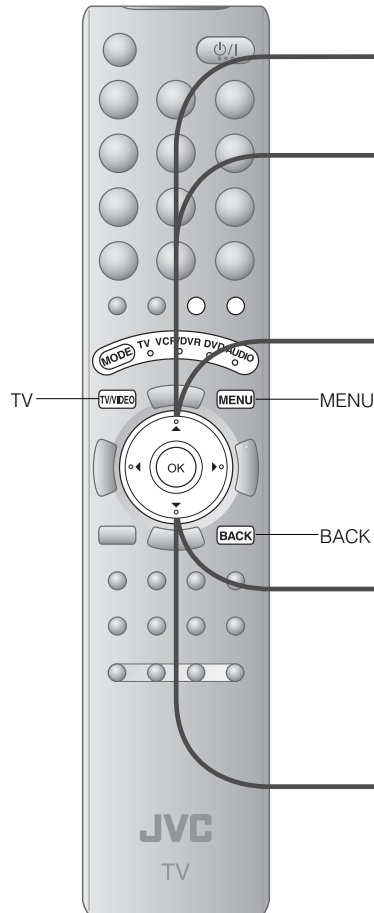


HD-Z70RF7



HD-Z61RF7
HD-Z56RF7

When you press the Power button of the HD-Z61RF7 or HD-Z56RF7, recommend that press below of the button.



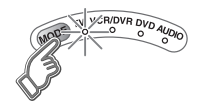
1

Begin



- Shown only when powering on for the first time.
- The power button on the remote control can also be used.

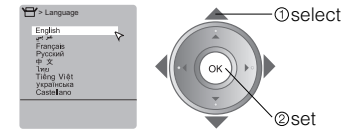
■ The remote control doesn't work



- Confirm the mode is set to "TV".

2

Select a language



3

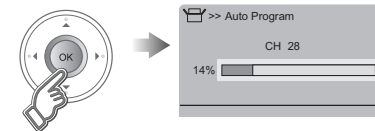
Select the teletext language group



- For the teletext language group
 - ➔ "Language group for teletext" (P. 22)
- If the characters are unreadable
 - ➔ "Language group for teletext" (P. 22)

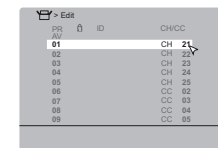
4

Automatically register channels



5

Check what was registered



■ Edit channels

- ➔ 4 in "Editing channels" (P. 9)

6

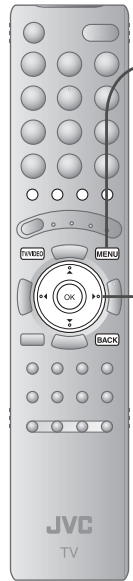
Confirm





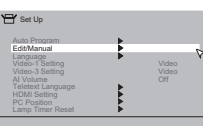
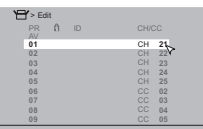
- To the previous screen ➔ **BACK**
- Exit ➔ **MENU**
- If the "JVC" logo does not appear or if you wish to make changes later
 - ➔ "Language", "Teletext Language" and "Auto Program" (P. 18)



Editing channels

Edit the channels registered with "Auto Program" in "Initial settings" (P. 8).



When coming from "Initial settings" (P. 8), skip to ④.

- 1 Display the menu bar**

- 2 Select "Set Up"**

- 3 Select "Edit / Manual"**

- 4 Select a row**

- 5 Edit**
- 6 Finish**

 To the previous screen
 Exit

Move a channel's position
MOVE

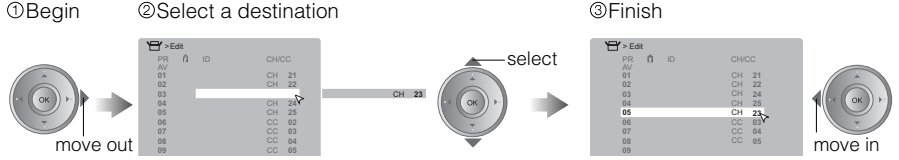
Edit a channel name
ID

Insert a channel
INSERT

Delete a channel
DELETE

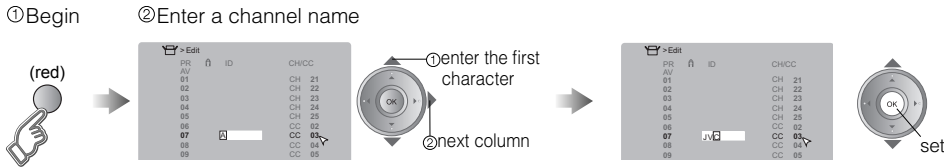
Register a new channel
MANUAL

①Begin **②Select a destination** **③Finish**



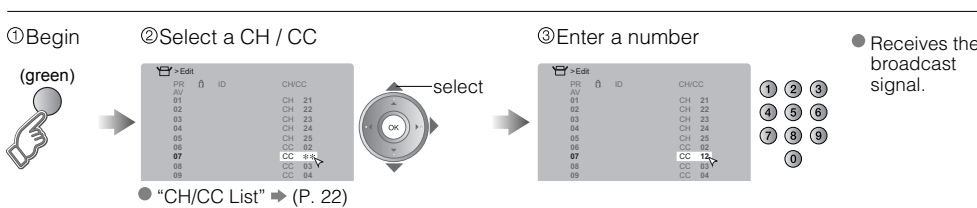
move out select move in

①Begin **②Enter a channel name**



(red) enter the first character next column set


①Begin **②Select a CH / CC** **③Enter a number**



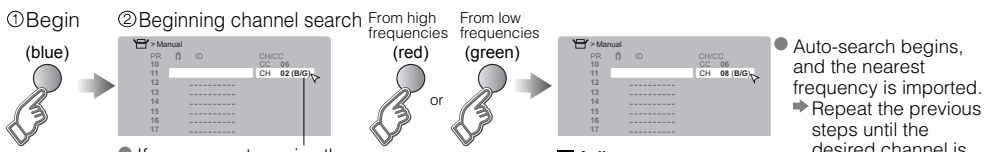
(green) select Receives the broadcast signal.

● "CH/CC List" → (P. 22)

①Delete
(yellow)



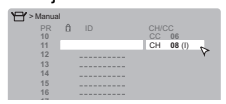
①Begin **②Beginning channel search** **From high frequencies** **From low frequencies**



(blue) (red) or (green)


● Auto-search begins, and the nearest frequency is imported.
 ● Repeat the previous steps until the desired channel is displayed

Adjust



● Picture fine tuning → (yellow) / (blue)
 ● Sound fine tuning → select a system

③Set

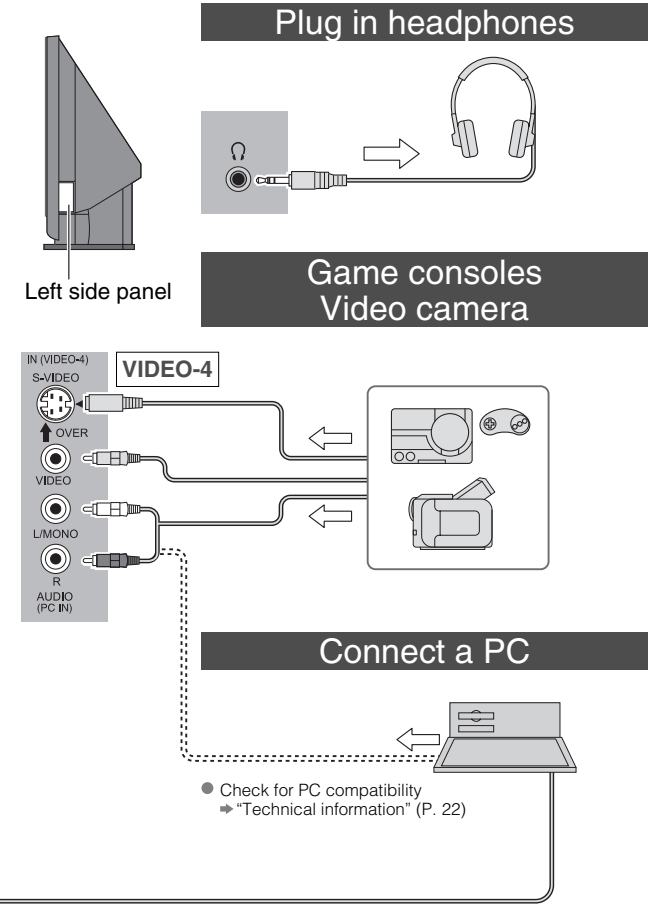
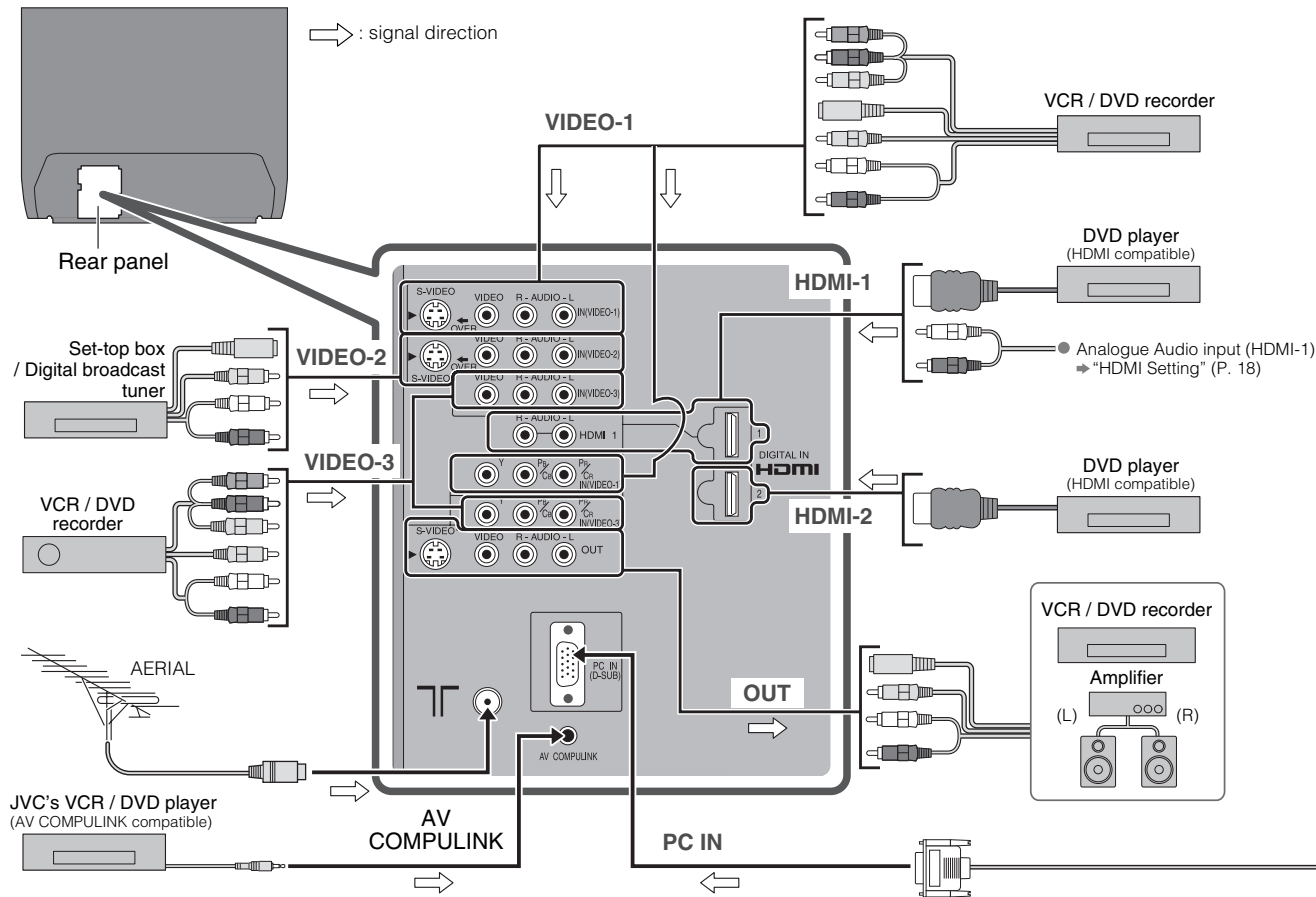


IMPORTANT!
 PREPARE
 USE
 SETTINGS
 TROUBLE?

Connecting external devices

VCR / DVD / other devices

You can connect many devices to the rear panel of the TV.
Please read the user manuals of each device before setup. (Connecting cables are not supplied with this TV.)



AV COMPULINK

This feature makes playing video tapes or DVDs totally automatic. Simply insert a pre-recorded media into your JVC brand VCR or DVD player and the device will automatically turn on and begin playback. At the same time, using the AV CompuLink, the VCR or DVD player sends a signal to the television telling it to turn on and switch to the proper video input.

- Refer to your DVD or VCR's instruction book for detailed connection information.

VIDEO-1 Watching videos

Output ↑	Input ↓
	<ul style="list-style-type: none"> · Component signal / S-VIDEO / Composite signal · Sound L / R

- Use Component signal
→ "Switch between video and component signal" (P. 14)
- Use S-VIDEO
→ "Using S-VIDEO" (P. 14)

VIDEO-2 Watching videos

Output ↑	Input ↓
	<ul style="list-style-type: none"> · S-VIDEO / Composite signal · Sound L / R

- Use S-VIDEO
→ "Using S-VIDEO" (P. 14)

VIDEO-3 Watching videos

Output ↑	Input ↓
	<ul style="list-style-type: none"> · Component signal / Composite signal · Sound L / R

- Use Component signal
→ "Switch between video and component signal" (P. 14)

VIDEO-4 Watching videos

Output ↑	Input ↓
	<ul style="list-style-type: none"> · S-VIDEO / Composite signal · Sound L / R

- Use S-VIDEO
→ "Using S-VIDEO" (P. 14)

Connect DVI devices to "HDMI-1"

→ (P. 22)

HDMI-1 HDMI-2

Output ↑	Input ↓
	<ul style="list-style-type: none"> · HDMI signal · Sound L / R (HDMI-1 only)

- "HDMI Setting" → (P. 18)
- HDMI-2 input does not support analogue sound.

OUT

Video and sound signal of a TV channel you are viewing s from this terminal

Output ↑	Input ↓
<ul style="list-style-type: none"> · S-VIDEO / Composite signal · Sound L / R 	

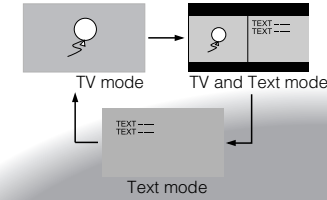
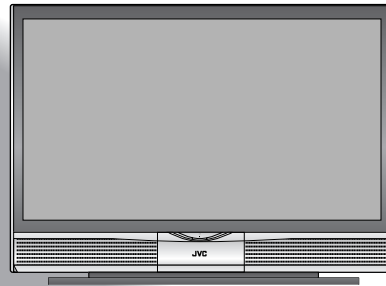
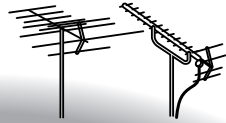
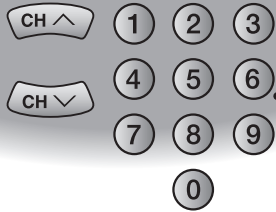
- "Using OUT terminal" → (P. 14)

Enjoying your new TV!

Watching TV

PAGE
12

- View channel information
- Change the aspect ratio
- Enjoy "Cinema Surround"
- Register your favourite channels



Viewing teletext

PAGE
13

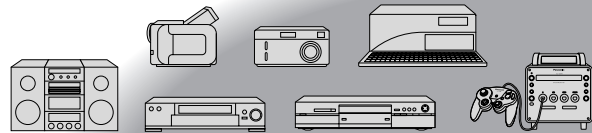
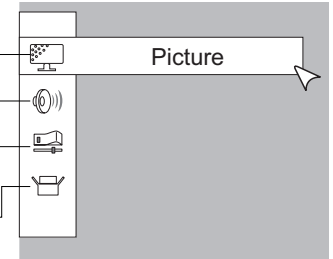
- Enlarge the text
- To the index page
- Hold the current page
- Switch briefly between teletext and TV
- Bookmark your favourite pages
- Reveal hidden pages



Personal preferences

PAGE
18

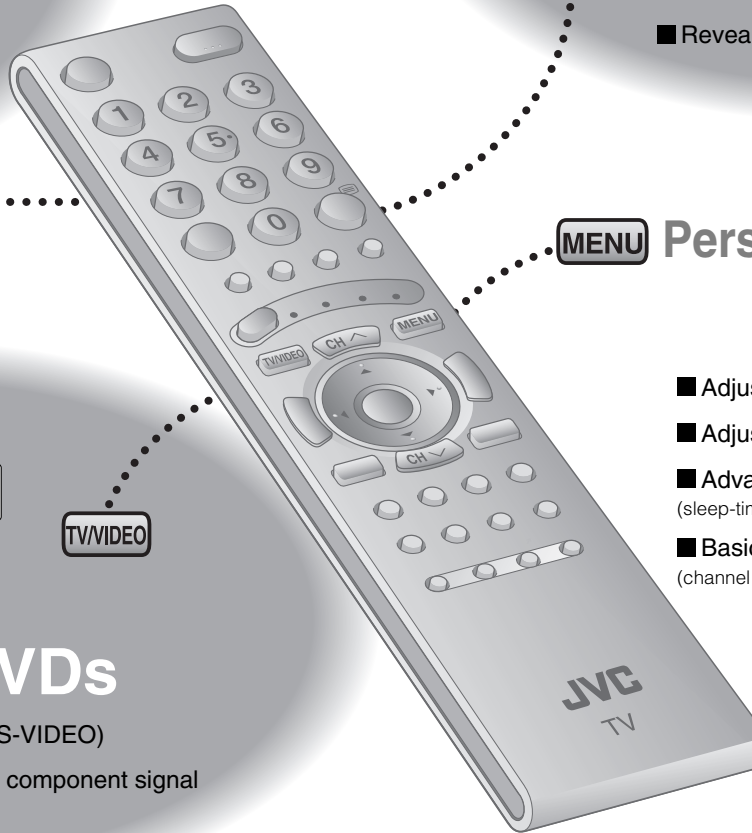
- Adjust the picture
- Adjust the sound
- Advanced settings (sleep-timer / channel guard, etc.)
- Basic settings (channel settings, etc.)



Watching videos / DVDs

PAGE
14

- Watch high quality video (S-VIDEO)
- Switch between video and component signal
- PC position adjustments



IMPORTANT!

PREPARE

USE

SETTINGS

TROUBLE?

Watching TV



- After turning on the TV, it takes about 1 minute to project the picture to its normal brightness.
- After turning off the TV, it takes about 5 seconds to make the screen dark. After that, cooling down is performed for about 1 minute.
- ➔ "About the LAMP indicator" (P. 6)

1 Set to "TV"
 MODE TV VCR/DVR DVD AUDIO

2 Power on
 The blue power lamp on the TV lights
 ● Press again to turn the screen off and put the TV into standby mode.

3 Select a channel
 E.g.
 1 : 0 → 1
 15 : 1 → 5

■ Move up or down a channel
 CH ^ up
 CH v down

■ Switch between stereo / mono / bilingual broadcasting
 ➔ "Stereo / I - II" (P. 18)

Note
 ● To completely turn off the TV, unplug the AC plug after the LAMP indicator stops blinking.

■ Mute
 ■ Volume

Basic operations using the side buttons

1 POWER Power on

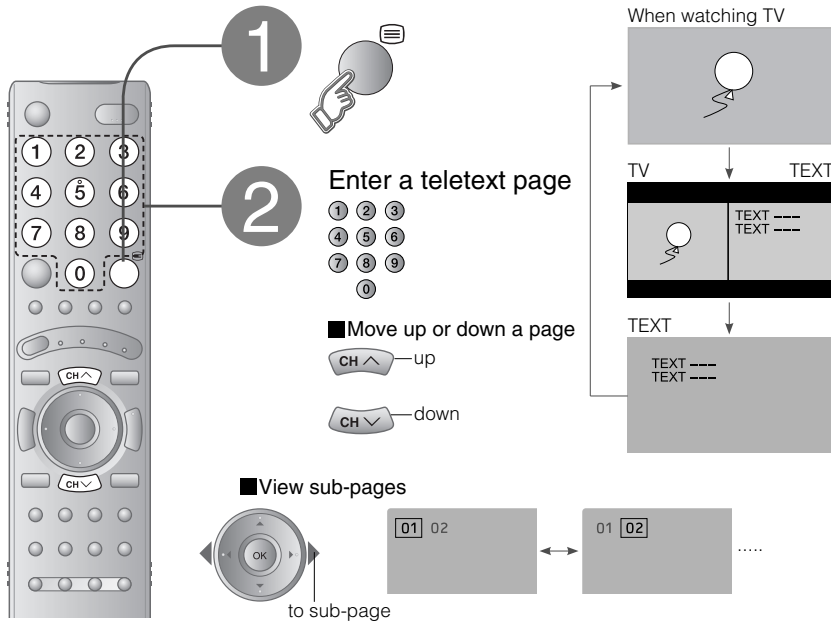
2 CHANNEL Change the channel

Volume

<h3>Channel information</h3> <p>DISPLAY</p>	<p>PR List ● Channels registered in "Initial settings" will appear here.</p> <p>■ Select a page → select</p> <p>■ Select and view a channel → select/view</p>
<h3>Change the aspect ratio</h3> <p>ZOOM</p>	<p>Move the picture with ▲ or ▼ while this bar is displayed</p> <p>● When set to "Auto", the aspect ratio will turn to the ratio obtained from the information the TV received. Without receiving aspect information, it will be set to "4:3 Auto Aspect" (P. 19)</p> <p>● Not available for 1080i (1125i) / 720p (750p) signals.</p> <p>● In PC mode, "Regular" and "Full" can be selected.</p>
<h3>Enjoy ambient sound</h3> <p>CINEMA SURROUND</p>	<p>High : For stereo sound Low : For stereo sound (when the sound distorts in "High" mode) Mono : For mono sound (emulates a stereo-like sound) Off : Turns off "Cinema Surround"</p>
<h3>Emphasize bass sound</h3> <p>MAXXBASS</p>	<p>Off Low High level</p>
<h3>Always return to the channel you want to view</h3> <p>RETURN PLUS</p>	<p>■ Registered as return channel While the channel is displayed RETURN+ Hold down for 3 seconds</p> <p>■ Cancel While the channel is displayed RETURN+ Hold down for 3 seconds</p> <p>■ Recall the return channel → RETURN+</p>
<h3>Return to the last channel you were viewing</h3> <p>RETURN</p>	<p>Current channel → Last channel</p>

Viewing teletext

This TV can display TV broadcasts and teletext on the same channel in two windows.



Bookmark your favourite page

LIST MODE

- 1** Display your favourites list
F.T/L
- 2** Select a coloured button to save your page to
- 3** Enter the number of the page to save
- 4** Save

■ Recall your favourite page → Press the coloured button as in step 2

(RED) (GREEN) (YELLOW) (BLUE)

???

???

???

???

(red) (green) (yellow) (blue)

???

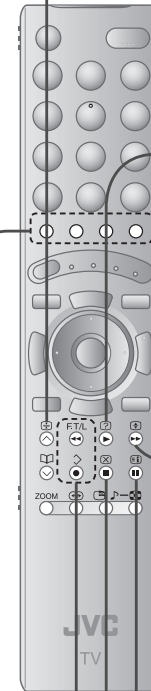
1 2 3
4 5 6
7 8 9
0

???

124

???

???



Hold the current page

HOLD

■ Release → Press again

Reveal hidden pages

REVEAL

1 + 2 =
2 x 3 =

1 + 2 = 3
2 x 3 = 6

Enlarge the text

SIZE

TEXT
SIZE

TEXT
SIZE

TEXT
SIZE

To the index page

INDEX

Returns to page "100" or a previously designated page

Switch briefly from teletext to TV

CANCEL

P233
TEXT
TEXT

P233

● Useful when running a page search.

IMPORTANT!
PREPARE
USE
SETTINGS
TROUBLE?

Watching videos / DVDs

1 Select the video source

2 Operate the connected device and play a video
 ■ Operate JVC recorders and other devices (P. 17)

Select the video source using the side buttons

1 TV/VIDEO
2 CHANNEL Select the video source
3 MENU/OK

Switch between video and component signal

1 Display the menu bar

2 Select "Set Up"

3 Select "Video-1 Setting" or "Video-3 Setting"

4 Change setting

Video : For composite or S-video signal
 Component : For component video signal

PC position adjustment

1 Display the menu bar

2 Select "Set Up"

Select "PC Position"

● Shown only when "PC" is selected.

3 Adjust

● Reset position → (blue)

Using S-VIDEO

- If both composite and S-VIDEO cables are connected, S-VIDEO will be enable.

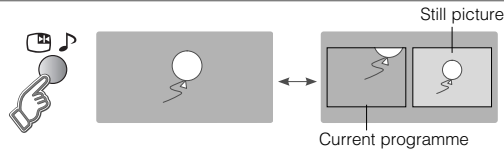
Using OUT terminal

- Component and PC signals do not come out from this terminal.
- When you are viewing video signal, no signal will come out through the S-VIDEO terminal.
- HDMI-1 and HDMI-2 inputs does not come out from this terminal.

Useful functions

Take snapshots of the screen

FREEZE

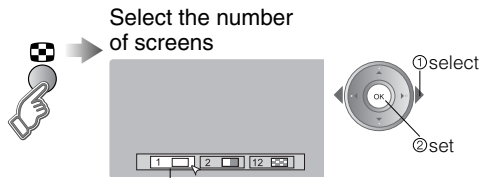


Cancel

- ➔ Press "Still picture" again, or change the channel
- Not available when the Sub-picture (below) is displayed, or when in PC mode.
- You cannot save or export the snapshot.

Watch in multi-picture mode

MULTI-PICTURE

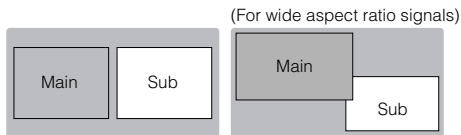


Selecting "1" returns to normal viewing mode

- Not available in PC mode.

Watch in dual-picture mode

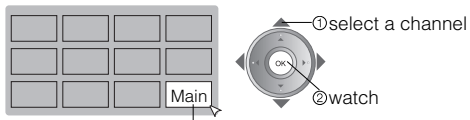
E.g. You can watch TV and video at the same time.



- Switch between the sound sources ➔
- Change the channel ➔ (Main) ➔ (Sub)

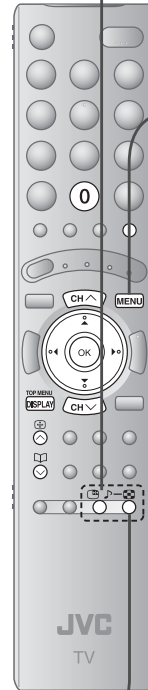
Select a channel in 12-screen mode

All registered channels are displayed as still images.



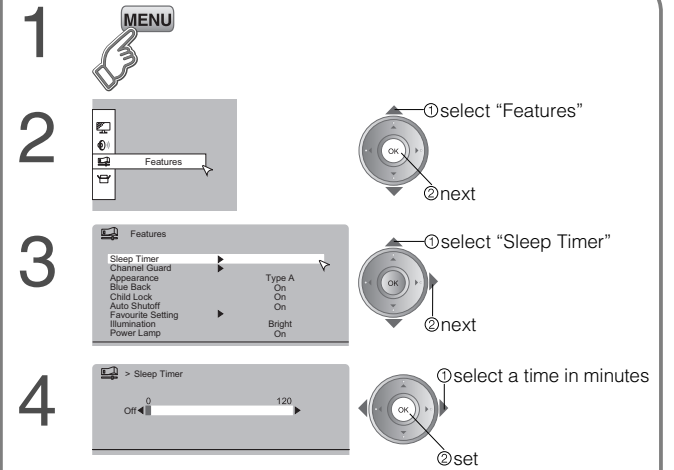
Only the selected frame has a moving picture.

- Move up or down a page ➔
- Not available for HDMI-1 or HDMI-2 input.



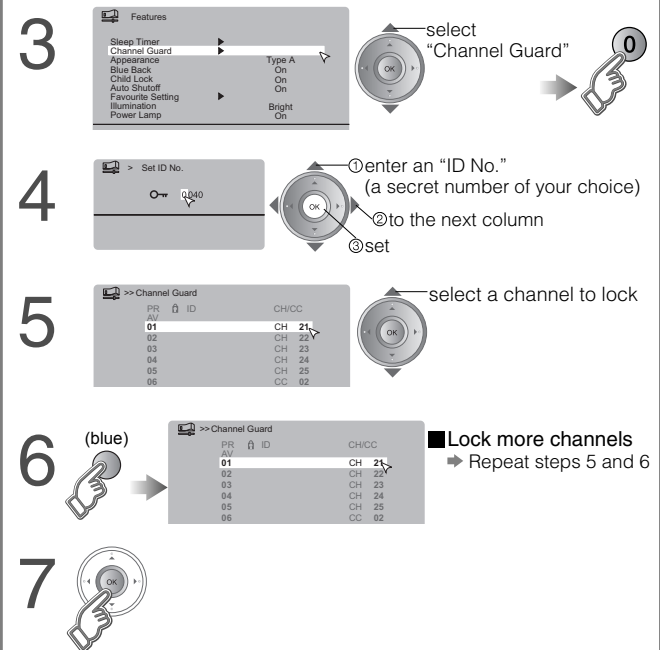
Set a time for the TV to turn itself off

SLEEP TIMER



- **Cancel** ➔ Set the time to "0" in step 4
- **Remaining time** ➔ You can confirm the remaining time in step 4, after repeating this process.

● After steps 1 and 2 above



- **Release a channel** ➔ Press "(blue)" again in step 6
- **View a locked channel** ➔ Use the numerical buttons to enter the channel number. When appears, press "TOP MENU / DISPLAY" and enter your "ID No.". (If you forget your "ID No." check it in step 4.)

IMPORTANT!

PREPARE

USE

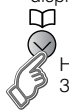


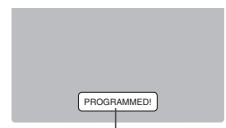
SETTINGS

TROUBLE?




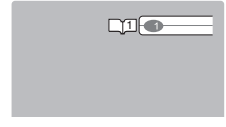
Useful functions (continued)

Register a channel to a button



FAVOURITE CHANNEL

- 1 While the channel is displayed
Hold down for 3 seconds
 → 
- 2 Press the number to register it on
 → 
Disappears in a few seconds


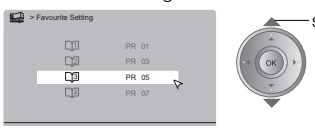
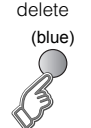
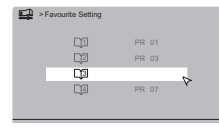
Recall the favourite channel

- 1  → 
- 2 Press the number you registered
 → 
● Customizations (P. 18) to the picture of a favourite channel get saved as well.

Check your favourite channels

- Press  and confirm that the channels you have registered have  marks beside them

Delete a favourite channel

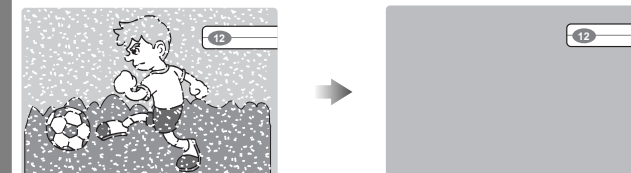
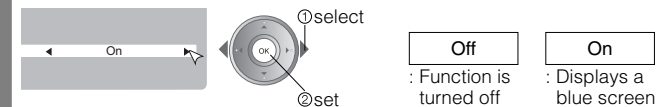
- 1 → "MENU" →  → "Features"
→ "Favourite Setting"

- 2 delete (blue)
 → 



Displays a blue screen and mutes the sound when the signal is weak

BLUE BACK

→ "MENU" →  → "Features" → "Blue Back"



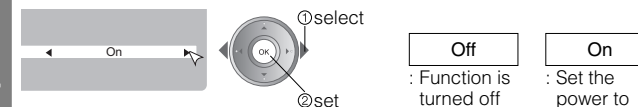
When the signal is weak or absent

Displays a blue screen and mutes the sound

Set the power to turn off if no signal is received and no operation is performed

AUTO SHUTOFF

→ "MENU" →  → "Features" → "Auto Shutoff"



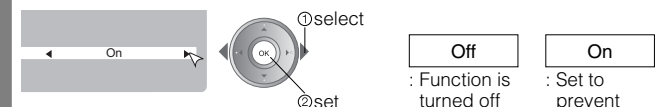
When no signal is received and no operation is performed for about 15 minutes

The power turns off

Prevent sudden increase or decrease of sound when changing channels

AI VOLUME


→ "MENU" →  → "Set Up" → "AI Volume"



Set to prevent sudden increase or decrease of sound

Operate JVC recorders and other devices

The included remote control can be used to operate JVC recorders and other devices.



1 Select a device

VCRs
DVD recorders
HDD recorders
Home theater system

MODE TV VCR/DVR DVD AUDIO

TV (P. 12) DVD players

TV → VCR/DVR
AUDIO ← DVD

● The indicator lights for 3 seconds each time the remote control is operated.

2 Turn on the device

Power button

3 Operate the device

● Other buttons can be used to operate the TV at any time.

Try changing the remote control code if you cannot operate a recorder.

■ Code A or 1 (Default) ■ Code C or 3

Press and hold

● Confirm the code for your recorder by checking the manual it came with.
● Some models of JVC devices cannot be operated with this remote control.
● JVC DVD recorders and HDD recorders are set to code "C" or "3" by default.

Note

● If the battery is removed, the remote control code reverts back to code A or 1.

Operate the VCR, DVD recorder or HDD recorder

VCR/DVR

■ Operate DVD / HDD recorder menus

■ Playback / Record etc.

■ Display the subtitle (DVD / HDD recorder mode)

Operate the DVD player

DVD

■ Operate DVD menus

■ Playback etc.

■ Display the subtitle

Operate the home theatre system

AUDIO

■ Operate AUDIO menus

■ Playback etc.

■ Display the subtitle

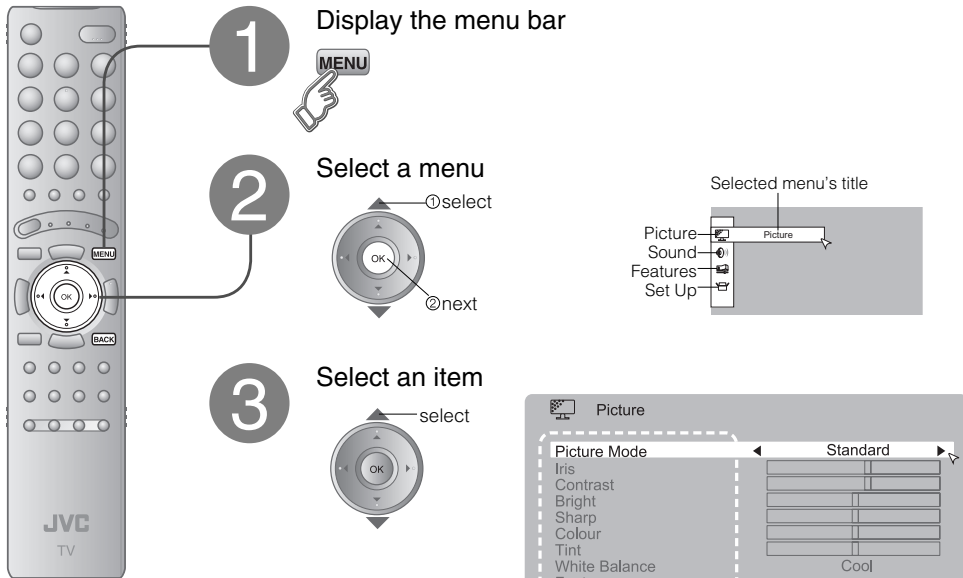
■ Mute

■ Volume

■ Select a surround mode

IMPORTANT!
PREPARE
USE
SETTINGS
TROUBLE?

Customizing your TV



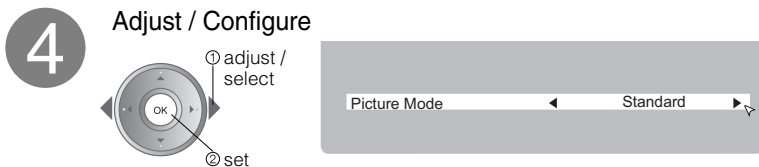
■ To the previous screen

➔ **BACK**

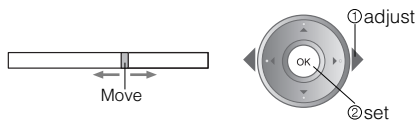
■ Exit

➔ **MENU**

● The menu disappears after one minute of inactivity.



■ When adjusting with the sliding-bar



■ When selecting from presets



● Some items have a sub-menu.

	Item	Adjustments / Configurations
Picture	Picture Mode	Picture mode (Bright / Standard / Soft)
	Iris	Adjust the amount of light projected on the screen (Darker ↔ Brighter)
	Contrast	Contrast (Lower ↔ Higher)
	Bright	Brightness (Darker ↔ Brighter)
	Sharp	Sharpness (Softer ↔ Sharper)
	Colour	Colour (Lighter ↔ Deeper)
	Tint	Tint for NTSC (Reddish ↔ Greenish)
	White Balance	Colour temperature (Warm / Mid / Cool)
	Features	Finer picture adjustments (P. 19)
Sound	Stereo / I · II	Mode / Language (○ : Mono / ∞ : Stereo / I : Sub1 / II : Sub2 / MONO)
	Bass	Low tones (Weaker ↔ Stronger)
	Treble	High tones (Weaker ↔ Stronger)
	Balance	Speaker balance (Left Stronger ↔ Right Stronger)
	Cinema Surround	Ambience level (High / Low / Mono / Off)
	MaxxBass *1	Emphasize the bass sound (Off / Low / High)
Features	Voice Enhancer	Sound enhancement technology (On / Off)
	Sleep Timer	Timer for turning off the TV (P. 15)
	Channel Guard	Stops children from watching specific channels (P. 15)
	Appearance	Format for displaying the channel number (TYPE A / TYPE B)
	Blue Back	Displays a blue screen and mutes the sound when the signal is weak or absent (P. 16)
	Child Lock	Disables the front control buttons of the TV (On / Off)
	Auto Shutoff	Set the power to turn off if no signal is received and no operation is performed for about 15 minutes. (P. 16)
Set Up	Favourite Setting	Clear favourite channel settings (P. 16)
	Illumination	Change the brightness of the Power lamp (P. 6) while the TV is on (Bright / Soft)
	Auto Program	Automatically registers channels (P. 8, ④)
	Edit / Manual	Change registered channels or add new ones (P. 9)
	Language	Select a language for on-screen menus (P. 8, ②)
	Video-1 Setting	For use with VCRs and other devices (P. 14)
	Video-3 Setting	For use with VCRs and other devices (P. 14)
	AI Volume	Prevent sudden increase or decrease of sound when changing channels (P. 16)
	Teletext Language	Select a language for Teletext programmes (P. 22)
	HDMI Setting	HDMI-1 : Size (1 / 2 / Auto) HDMI-2 : Size (1 / 2 / Auto) Audio (Digital / Analogue / Auto)
PC Position	PC position adjustment (P. 14)	
Lamp Timer Reset	Resets the lamp timer (P. 5)	

● Other settings · Change the aspect ratio ➔ "ZOOM" (P. 12)
· Turn on "Cinema Surround" ➔ "CINEMA SURROUND" (P. 12)

*1 MaxxBass is a registered trademark of Waves Audio Ltd. in the USA, Japan and other countries.

Advanced picture adjustment

By default, the TV automatically adjusts itself for the best picture.



- 1** Display the menu bar
- 2** Select "Picture"
- 3** Select "Features"
- 4** Select an item
- 5** Change settings
- 6** Finish

■ To the previous screen

➔ **BACK**

■ Exit

➔ **MENU**

● The menu disappears after one minute of inactivity.

Super DigiPure	For smooth looking picture		<input type="button" value="Off"/> : Function is turned off <input type="button" value="Min"/> : When the picture loses sharpness <input type="button" value="Max"/> : When much noise appears <input type="button" value="Auto"/> : Automatically adjusts
Pull Down	For smoothing cinema film		<input type="button" value="Off"/> : Function is turned off <input type="button" value="On"/> : Function is always on <input type="button" value="Auto"/> : Automatically adjusts
Colour Management	For natural-looking pictures		<input type="button" value="Off"/> : Function is turned off <input type="button" value="On"/> : Maintains a natural colour balance
Picture Management	Fix bright / dark pictures		<input type="button" value="Off"/> : Function is turned off <input type="button" value="On"/> : Makes it easier to view bright / dark pictures
Advanced Smart Picture	Fix brightness of white areas		<input type="button" value="Off"/> : Function is turned off <input type="button" value="On"/> : Make it easier to view white areas ● Not available when "Picture Mode" is set to "Bright" (P. 18)
MPEG Noise Reduction	To reduce MPEG video noise		<input type="button" value="Off"/> : Function is turned off <input type="button" value="On"/> : When noise appears
Colour System	When there is no colour	 ① Select the screen to change settings for <input type="button" value="Main"/> : Main picture <input type="button" value="Sub"/> : Sub-picture in MULTI-PICTURE mode (P. 15)	② Select the colour system <input type="button" value="PAL"/> : PAL <input type="button" value="SECAM"/> : SECAM <input type="button" value="NTSC 3.58"/> : NTSC 3.58 <input type="button" value="NTSC 4.43"/> : NTSC 4.43 <input type="button" value="Auto"/> : Auto ● For colour system in your country or region. ➔ "Colour system in your country or region" (P. 22)
4:3 Auto Aspect	Set a default aspect ratio	 <input type="button" value="Panoramic"/> : Panoramic <input type="button" value="Regular"/> : Regular <input type="button" value="14:9 Zoom"/> : 14:9 Zoom	<input type="button" value="16 : 9"/> : 16 : 9 <input type="button" value="4 : 3"/> : 4 : 3 <input type="button" value="14 : 9"/> : 14 : 9

IMPORTANT! PREPARE USE SETTINGS TROUBLE?

Troubleshooting

Severe noise or snow



- Is the TV connected correctly to the aerial?
- Change the direction of the aerial.
- Is the aerial or its cable damaged?
➔ Consult your retailer

Patterns, stripes or noise



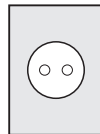
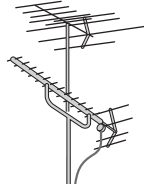
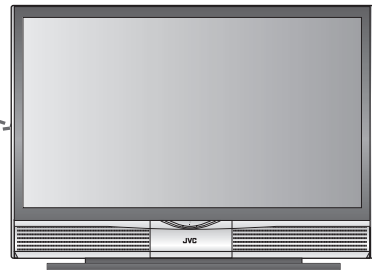
- Is the aerial receiving interference from high-voltage power lines or wireless transmitters?
➔ Consult your retailer
- Are connected devices too close to the TV?
➔ Insert the minimum distance between the aerial and the cause of interference until no interference

Ghosting

(Doubling of images)



- Are you receiving interference from signals reflected off mountains or buildings?
➔ Adjust the direction of your aerial, or change to a good-quality directional aerial

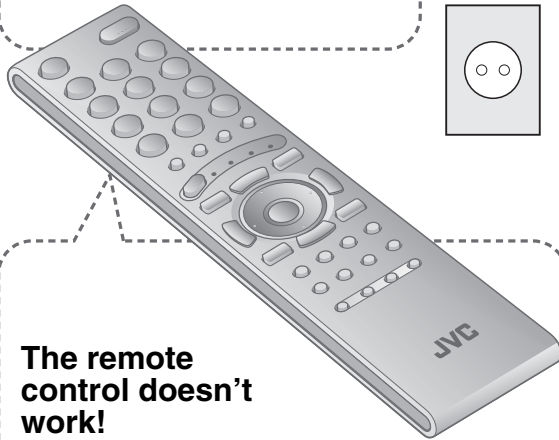


I can't turn it on!

- Is the power cord connected to the AC outlet correctly?

The remote control doesn't work!

- Are the batteries flat?
- Are you more than 7 metres away from the TV?
- Is the "MODE (TV, VCR/DVR, DVD, AUDIO)" set to "TV"?
- When viewing teletext, the TV menu bar does not appear.
- Depending on the stability of the signal, there may be a time lag when changing channels.



	Problem	Actions	page
Basics	Remote control stops working	● Unplug the TV, and wait about 1 hour until the lamp completely cooled. Then plug the TV in again. (Turning on the TV soon may shorten the lamp life.)	—
	Front control buttons do not work	● Switch "Child Lock" to "Off."	18
Screen	Aspect ratio changes unintentionally	● Press "ZOOM" to return to your settings.	12
	Black or white dots appear on the screen	● Although the HD-ILA element is manufactured with high-precision technology, please understand that some pixels may be lost or permanently displayed.	—
	PC screen alignment is off	● Adjust the "PC Position."	14
	The screen is dim	● Adjust the "Iris" brighter.	18
	Poor picture quality	<ul style="list-style-type: none"> ● Unnatural colour >>> Adjust "Colour" and "Bright." Check your "Colour System." If "Auto" is selected, select the specific colour system manually. ● Noise >>> Set to the following functions. Picture Mode : Standard Super DigiPure : Max ● Dull picture >>> Set to the following functions. Picture Mode : Bright Super DigiPure : Min 	18 19 — 18 19
Picture	Strange picture when using an external device	<ul style="list-style-type: none"> ● If the top of the image is distorted, check the video signal quality itself. ● If movement appears unnatural when receiving a signal from a DVD player, etc. with 625p (progressive-scanning), change the output setting of the external device to 625i (interlace-scanning). 	— —
	Blue screen appears on the screen	● Switch "Blue Back" to "Off."	16

	Problem	Actions	page
Sound	Poor sound	<ul style="list-style-type: none"> Adjust the "Bass" and "Treble." If receiving a poor signal in "Stereo / I · II", switch to "Mono." Adjust the channel reception using "Manual." 	18 18 9
	"Voice Enhancer" does not work	<ul style="list-style-type: none"> "AI Volume" makes the effect of "Voice Enhancer" weak. Switch "AI Volume" to "Off." 	18
	Wrong screen size	<ul style="list-style-type: none"> Switch "Size" in "HDMI Setting" to "1" or "2." 	18
HDMI	No picture, no sound	<ul style="list-style-type: none"> Use the cable with HDMI logo. HDMI 	—
	No sound	<ul style="list-style-type: none"> Check if the device is compliant with HDMI. Switch "Audio" in "HDMI Setting" to "Digital" or "Auto" for HDMI devices, or "Analogue" or "Auto" for DVI devices. (Not available for HDMI-2) 	— 18
	Green and distorted screen	<ul style="list-style-type: none"> Wait a little for the signal to stabilize when switching the signal format for an "HDMI" device. 	—
	Some functions do not work	<ul style="list-style-type: none"> It is not a malfunction. Some functions (dark background) in the menu do not work depending on the situation. 	—
Functions	Some inputs cannot be selected in the sub-picture	<ul style="list-style-type: none"> "VIDEO-1 (Component signal)", "VIDEO-3 (Component signal)", "HDMI-1", "HDMI-2" inputs and PC mode cannot be selected in the sub-picture. 	—
	No picture, no sound	<ul style="list-style-type: none"> Some inputs are not output from the OUT terminal. 	14

	Problem	Actions	page
Lamp	The LAMP indicator blinks rapidly	<ul style="list-style-type: none"> Keep the TV off for a while and then turn the power on again. If the TV goes into warning mode, unplug the TV after the cooling has completed and consult your retailer. (It may be a malfunction of the internal electrical circuits.) 	—
	The power lamp and LAMP indicator blink alternately	<ul style="list-style-type: none"> Keep the TV off for a while and then turn the power on again. If the TV goes into warning mode, unplug the TV after the cooling has completed and consult your retailer. (The internal temperature rises abnormally or the fan may be blocked.) 	—
	The power lamp and LAMP indicator blink rapidly simultaneously	<ul style="list-style-type: none"> If this condition occurs soon after replacing the lamp, reinstall the new lamp unit. (The lamp unit may not be inserted into the lamp housing correctly.) Repeat the lamp installation steps, taking care to observe all warnings. <ul style="list-style-type: none"> Make sure the lamp sits flat inside the housing area. Make sure the lamp cover is reinstalled. If this condition occurs except for replacing the lamp, keep the TV off for a while and then turn the power on again. If the TV goes into warning mode, unplug the TV after the cooling has completed and consult your retailer. (It may be a lamp malfunction.) 	6 —

IMPORTANT!
PREPARE
USE
SETTINGS
TROUBLE?

Technical information



CH/CC List

Language group for teletext

Group	Languages
Group-1	Turkish, Hungarian, English, German, French, Italian, Spanish, Portuguese, Greek, Swedish, Finnish
Group-2	Polish, Serbian, Croatian, Slovenian, Czech, Slovak, Rumanian, Hungarian, German, French, Italian, Swedish, Finnish
Group-3	Russian, Bulgarian, Lettish, Lithuanian, Estonian, Ukrainian, Serbian, Croatian, Slovenian, Czech, Slovak, English, German
Group-4	Arabic, Czech, Slovak, Hungarian, English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish
Group-5	Farsi, Czech, Slovak, Hungarian, English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish

● If the characters are unreadable. ➔ Select different teletext language group.

Colour system in your country or region

Area	Country or Region	System
Asia, Middle East	Bahrain, Kuwait, Oman, Qatar, United Arab Emirates, Yemen, etc. Indonesia, Malaysia, Singapore, Thailand, India, etc.	PAL
	China, Vietnam, etc.	
	Hong Kong, etc.	SECAM
	Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	
	Philippines, Taiwan, Myanmar, etc.	
Europe	Russia, etc.	SECAM
	Czech Republic, Poland, etc.	PAL
	Germany, Holland, Belgium, etc.	
	UK, etc.	
Oceania	Australia, New Zealand, etc.	PAL
Africa	Republic of South Africa, etc.	PAL
	Nigeria, etc.	
	Egypt, Morocco, etc.	SECAM

Sound system in your country or region

Area	Country or Region	System
Asia, Middle East	Bahrain, Kuwait, Oman, Qatar, United Arab Emirates, Yemen, etc. Indonesia, Malaysia, Singapore, Thailand, India, etc.	B/G
	China, Vietnam, etc.	D/K
	Hong Kong, etc.	I
	Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	B/G
	Philippines, Taiwan, Myanmar, etc.	M
Europe	Russia, etc.	D/K
	Czech Republic, Poland, etc.	B/G
	Germany, Holland, Belgium, etc.	
	UK, etc.	
Oceania	Australia, New Zealand, etc.	B/G
Africa	Republic of South Africa, etc.	I
	Nigeria, etc.	B/G
	Egypt, Morocco, etc.	

Monoaural sound

Use this function when stereo sound or bilingual sound is hard to hear.

● Set "Stereo / I · II" to "Mono." ➔ (P. 18)

PC Signals that can be displayed

● If the signal doesn't appear, check that the vertical frequency on the PC is set to 60 Hz.

Resolution	640 x 480 (VGA)	1024 x 768 (XGA)
Vertical frequency (Hz)	60.0	60.0
Horizontal frequency (kHz)	31.5	48.4

Connect DVI devices

Connect a "DVI" device to "HDMI-1" using "DVI-HDMI" conversion cable. Connect analogue sound output of the DVI device to L and R terminals in IN HDMI-1.

- Set "Audio" in "HDMI Setting" to "Analogue" or "Auto" ➔ (P. 18)
- HDMI-2 input does not support analogue sound (IN HDMI-1).
- HDMI-2 input does not support DVI devices.

To use the INSERT function (P. 9), find the "CH/CC" number corresponding to the TV's Channel number from this table.

- US: The US channel numbers are the channel numbers used in the United States, Philippines, etc.
- CCIR: The CCIR channel numbers are the channel numbers used in the Middle East, Southeast Asia, etc.
- OIRT: The OIRT channel numbers are the channel numbers used in Eastern Europe, Russia, Vietnam, etc.
- AUSTRALIA: The AUSTRALIA channel numbers are the channel numbers used in Australia, etc.

CH	Channel			
	US	CCIR	OIRT	AUSTRALIA
CH 02	US-02	E2	R1	AU-0
CH 03	US-03	E3		AU-1
CH 04	US-04	E4	R2	AU-2
CH 05	US-05	E5	R6	AU-6
CH 06	US-06	E6	R7	AU-7
CH 07	US-07	E7	R8	AU-8
CH 08	US-08	E8	R9	AU-9
CH 09	US-09	E9		
CH 10	US-10	E10	R10	AU-10
CH 11	US-11	E11	R11	AU-11
CH 12	US-12	E12	R12	
CH 13	US-13			
CH 14	US-14, W+29			
CH 15	US-15, W+30			
CH 16	US-16, W+31			
CH 17	US-17, W+32			
CH 18	US-18, W+33			
CH 19	US-19, W+34			
CH 20	US-20, W+35			
CH 21	US-21, W+36	E21		
CH 22	US-22, W+37	E22		
CH 23	US-23, W+38	E23		
CH 24	US-24, W+39	E24		
CH 25	US-25, W+40	E25		
CH 26	US-26, W+41	E26		
CH 27	US-27, W+42	E27		
CH 28	US-28, W+43	E28		
CH 29	US-29, W+44	E29		
CH 30	US-30, W+45	E30		
CH 31	US-31, W+46	E31		
CH 32	US-32, W+47	E32		
CH 33	US-33, W+48	E33		
CH 34	US-34, W+49	E34		
CH 35	US-35, W+50	E35		
CH 36	US-36, W+51	E36		
CH 37	US-37, W+52	E37		
CH 38	US-38, W+53	E38		
CH 39	US-39, W+54	E39		
CH 40	US-40, W+55	E40		
CH 41	US-41, W+56	E41		
CH 42	US-42, W+57	E42		
CH 43	US-43, W+58	E43		
CH 44	US-44, W+59	E44		
CH 45	US-45, W+60	E45		
CH 46	US-46, W+61	E46		
CH 47	US-47, W+62	E47		
CH 48	US-48, W+63	E48		
CH 49	US-49, W+64	E49		
CH 50	US-50, W+65	E50		
CH 51	US-51, W+66	E51		
CH 52	US-52, W+67	E52		
CH 53	US-53, W+68	E53		
CH 54	US-54, W+69	E54		
CH 55	US-55, W+70	E55		
CH 56	US-56, W+71	E56		
CH 57	US-57, W+72	E57		
CH 58	US-58, W+73	E58		
CH 59	US-59, W+74	E59		
CH 60	US-60, W+75	E60		
CH 61	US-61, W+76	E61		
CH 62	US-62, W+77	E62		
CH 63	US-63, W+78	E63		
CH 64	US-64, W+79	E64		
CH 65	US-65, W+80	E65		
CH 66	US-66, W+81	E66		
CH 67	US-67, W+82	E67		
CH 68	US-68, W+83	E68		
CH 69	US-69, W+84	E69		

CC	Channel			
	US	CCIR	OIRT	AUSTRALIA
CC 01		S-1		AU-5
CC 02		S-2		
CC 03		S-3		
CC 04		S-4		
CC 05		S-5		
CC 06		S-6		AU-5A
CC 07		S-7		
CC 08		S-8		
CC 09		S-9		
CC 10		S-10		
CC 11		S-11		
CC 12		S-12		
CC 13		S-13		
CC 14	A	S-14		
CC 15	B	S-15		
CC 16	C	S-16		
CC 17	D	S-17		
CC 18	E	S-18		
CC 19	F	S-19		
CC 20	G	S-20		
CC 21	H	S-21		
CC 22	I	S-22		
CC 23	J	S-23		
CC 24	K	S-24		
CC 25	L	S-25		
CC 26	M	S-26		
CC 27	N	S-27		
CC 28	O	S-28		
CC 29	P	S-29		
CC 30	Q	S-30		
CC 31	R	S-31		
CC 32	S	S-32		
CC 33	T	S-33		
CC 34	U	S-34		
CC 35	V	S-35		
CC 36	W	S-36		
CC 37	W+1	S-37		
CC 38	W+2	S-38		
CC 39	W+3	S-39		
CC 40	W+4	S-40		
CC 41	W+5	S-41		
CC 42	W+6			
CC 43	W+7			
CC 44	W+8			
CC 45	W+9			
CC 46	W+10			
CC 47	W+11			
CC 48	W+12			
CC 49	W+13			
CC 50	W+14			
CC 51	W+15			
CC 52	W+16			
CC 53	W+17			
CC 54	W+18			
CC 55	W+19			
CC 56	W+20			
CC 57	W+21			
CC 58	W+22			
CC 59	W+23			
CC 60	W+24			
CC 61	W+25			
CC 62	W+26			
CC 63	W+27			
CC 64	W+28			
CC 75		X		
CC 76		Y	R3	
CC 77		Z	R4	AU-3
CC 78		Z+1	R5	
CC 79		Z+2		AU-4
CC 95	A-5			
CC 96	A-4			
CC 97	A-3			
CC 98	A-2			
CC 99	A-1			

Specifications

Main unit

Model	HD-Z70RF7	HD-Z61RF7	HD-Z56RF7
Broadcasting systems	B / G / I / D / K / K1 / M (See "Technical information", P. 22)		
Colour systems	PAL, SECAM, NTSC 3.58/4.43MHz		
Channels and frequencies	VHF low channel (VL) = 46.25 to 140.25 MHz VHF high channel (VH) = 147.25 to 423.25 MHz UHF channel (U) = 431.25 to 863.25 MHz · Receives cable channels in mid band (X to Z+2, S1 to S10), super band (S11 to S20) and hyper band (S21 to S41).		
Sound-multiplex systems	NICAM (I / B / G / D / K), A2 (B / G / D / K)		
Teletext systems	FLOF (Fastext), WST (standard system)		
Power requirements	AC 110 V - 240 V, 50/60 Hz		
Audio output (Rated power output)	10 W + 10 W		
Speakers	10 cm round x 2	(8.5 x 12.5cm) oval x 2	
Power consumption [standby]	195 W [0.9 W]		
Screen size (visible area size measured diagonally)	178 cm	155 cm	142 cm
Dimensions (W x H x D: mm)	1626 x 1167 x 519	1403 x 1015.5 x 483.6	1292 x 943.5 x 449.8
Weights	72 kg	44 kg	40 kg
Accessories	(See "Check accessories", P. 6)		

Terminals / Connectors

	Terminal name	Terminal type	Signal type (IN)	Signal type (OUT)
Input terminals	VIDEO-1	RCA connectors x 6 S-VIDEO connector x 1	Composite video, S-video, Analogue component (576i (625i) / 480i (525i), Progressive : 576p (625p) / 480p (525p), HD : 1080i (1125i), 720p (750p)) Audio L / R	
	VIDEO-2	RCA connectors x 3, S-VIDEO connector x 1	Composite video, S-video, Audio L / R	
	VIDEO-3	RCA connectors x 6	Composite video, Analogue component (576i (625i) / 480i (525i), Progressive : 576p (625p) / 480p (525p), HD : 1080i (1125i), 720p (750p)) Audio L / R	
	VIDEO-4	RCA connectors x 3, S-VIDEO connector x 1	Composite video, S-video, Audio L / R	
	HDMI-1	HDMI connector x 2	HDMI (576i (625i) / 480i (525i) / 576p (625p) / 480p (525p), 1080i (1125i), 720p (750p))	
	HDMI-2			
	IN HDMI-1	RCA connectors x 2	Audio L / R	
PC IN	D-SUB (15 pins) x 1	Analogue PC signal (P. 22)		
Output terminals	OUT	RCA connectors x 3, S-VIDEO connector x 1		Composite video, S-video, Audio L / R
	Headphone	Stereo mini-jack x 1 (3.5 mm in diameter)		Headphone output

● We may change the design and specifications without notice.

Demonstration

To start the demonstration:

Press the **MENU** button to display the menu bar. Then press the yellow button.

Select DEMO 1 (Super Digipure), DEMO 2 (Maxx Bass) or DEMO 3 (Iris Meter) from the DEMO MODE menu.

Press the ▼/▲ buttons, then press the **OK** button.

To quit the demonstration:

Press the yellow button, **BACK** button, **CHANNEL** ▼/▲ buttons or any of the number buttons.



JVC

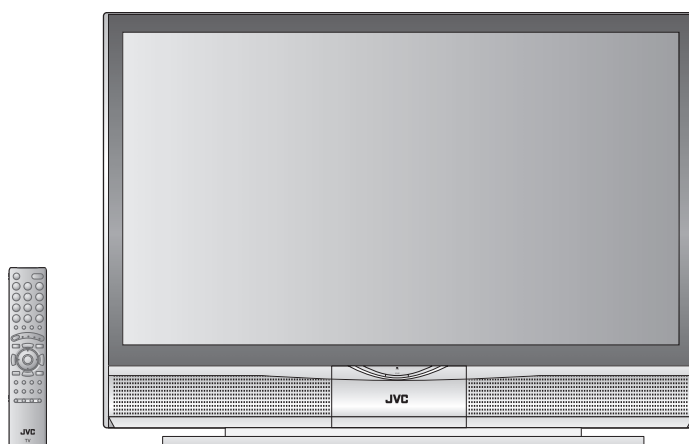
JVC

SCHEMATIC DIAGRAMS

REAR PROJECTION TELEVISION

**HD-Z56RF7, HD-Z56RF7_{/A},
HD-Z56RF7_{/S}, HD-Z61RF7,
HD-Z61RF7_{/A}, HD-Z61RF7_{/S},
HD-Z70RF7, HD-Z70RF7_{/A},
HD-Z70RF7_{/S}**

CD-ROM No.SML200609



BASIC CHASSIS

RA2

HD-ILA™
Powered by DILA

DynaPiX
Powered by D.I.S.T.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

**CINEMA
SURROUND**

MaxxBass®

HD-Z56RF7, HD-Z56RF7_{/A}, HD-Z56RF7_{/S}, HD-Z61RF7, HD-Z61RF7_{/A}, HD-Z61RF7_{/S}, HD-Z70RF7, HD-Z70RF7_{/A}, HD-Z70RF7_{/S}

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

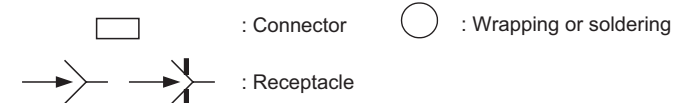


* Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

- \perp : LIVE side ground
- ∇ : ISOLATED(NEUTRAL) side ground
- \equiv : 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) : (∇) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

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

NOTE

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

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USING P.W. BOARD



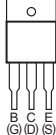
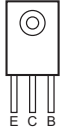
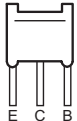
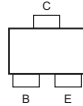
P.W.B ASS'Y name	HD-Z56RF7	HD-Z56RF7/A	HD-Z56RF7/S
ANALOG P.W. BOARD	LCA10730-01B (SRA-1501A)	←	←
DRIVE P.W. BOARD	LCA90635-02A (SRA-3006A)	←	←
REMOCON P.W. BOARD	LCA90663-01A (SRA-8051A)	←	←
TEMP P.W. BOARD	LCA90534-03B (SRA-8204A)	←	←
IRIS P.W. BOARD	LCA90652-02A (SRA-8304A)	←	←
POWER P.W. BOARD	LCA90658-01A (SRA-9501A)	←	←
DIGITAL P.W. BOARD	LCA10708-23C (SRA-0D503A)	←	←
SIDE CONTROL P.W. BOARD	LCA90662-01B (SRA-0L051A)	←	←
LAMP COVER P.W. BOARD	LCA90661-01A (SRA-0L251A)	←	←
FRONT LED P.W. BOARD	LCA90660-01A (SRA-0L502A)	←	←
TUNER P.W. BOARD	LCA10731-01B (SRA-0R501A)	←	←

P.W.B ASS'Y name	HD-Z61RF7	HD-Z61RF7/A	HD-Z61RF7/S
ANALOG P.W. BOARD	LCA10730-01B (SRA-1501A)	←	←
DRIVE P.W. BOARD	LCA90635-02A (SRA-3006A)	←	←
REMOCON P.W. BOARD	LCA90663-01A (SRA-8051A)	←	←
TEMP P.W. BOARD	LCA90534-03B (SRA-8204A)	←	←
IRIS P.W. BOARD	LCA90652-02A (SRA-8304A)	←	←
POWER P.W. BOARD	LCA90658-01A (SRA-9501A)	←	←
DIGITAL P.W. BOARD	LCA10708-22C (SRA-0D502A)	←	←
SIDE CONTROL P.W. BOARD	LCA90662-01B (SRA-0L051A)	←	←
LAMP COVER P.W. BOARD	LCA90661-01A (SRA-0L251A)	←	←
FRONT LED P.W. BOARD	LCA90660-01A (SRA-0L502A)	←	←
TUNER P.W. BOARD	LCA10731-01B (SRA-0R501A)	←	←


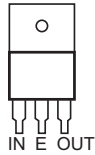
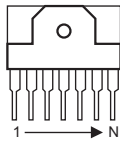
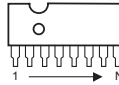
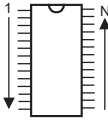
P.W.B ASS'Y name	HD-Z70RF7	HD-Z70RF7/A	HD-Z70RF7/S
ANALOG P.W. BOARD	LCA10730-01B (SRA-1501A)	←	←
DRIVE P.W. BOARD	LCA90635-02A (SRA-3006A)	←	←
REMOCON P.W. BOARD	LCA90663-01A (SRA-8051A)	←	←
TEMP P.W. BOARD	LCA90534-03B (SRA-8204A)	←	←
IRIS P.W. BOARD	LCA90652-02A (SRA-8304A)	←	←
POWER P.W. BOARD	LCA90658-01A (SRA-9501A)	←	←
DIGITAL P.W. BOARD	LCA10708-21C (SRA-0D501A)	←	←
SIDE CONTROL P.W. BOARD	LCA90662-01B (SRA-0L051A)	←	←
LAMP COVER P.W. BOARD	LCA90661-01A (SRA-0L251A)	←	←
FRONT LED P.W. BOARD	LCA90659-01A (SRA-0L501A)	←	←
TUNER P.W. BOARD	LCA10731-01B (SRA-0R501A)	←	←

SEMICONDUCTOR SHAPES

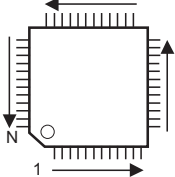
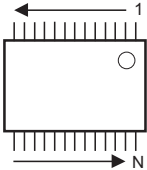
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					<p>CHIP TR</p> 

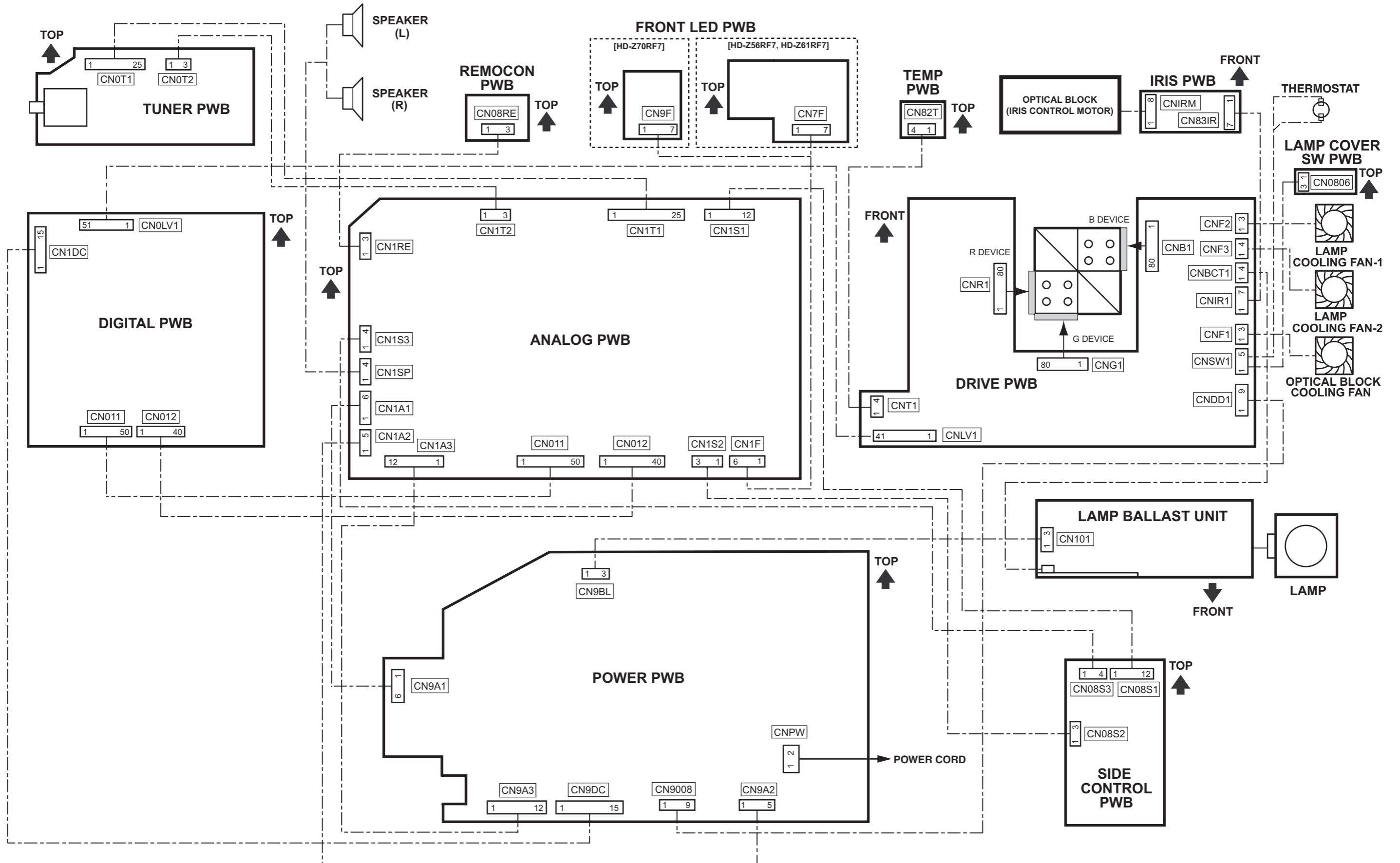
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

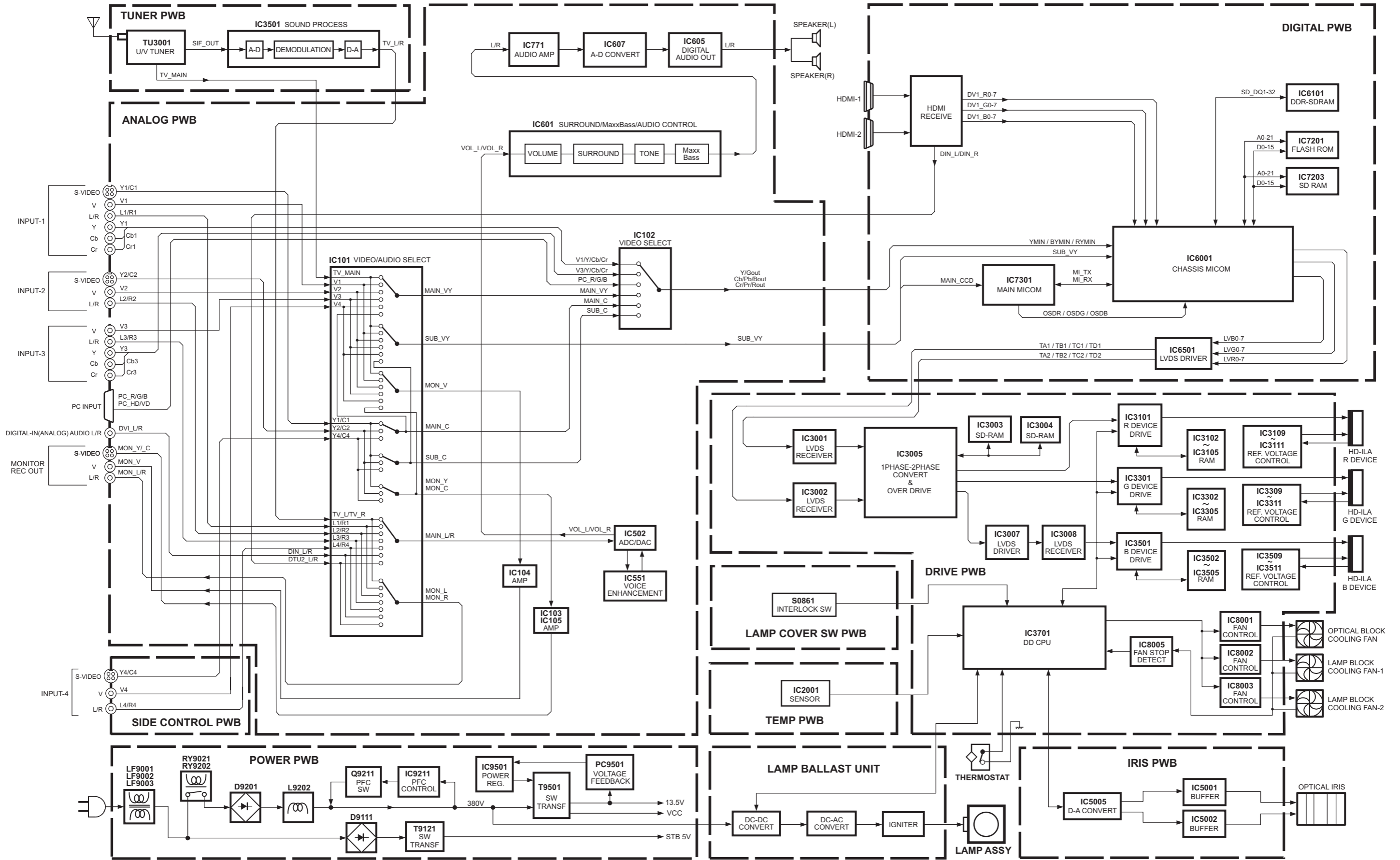
CHIP IC

TOP VIEW		
		

WIRING DIAGRAM



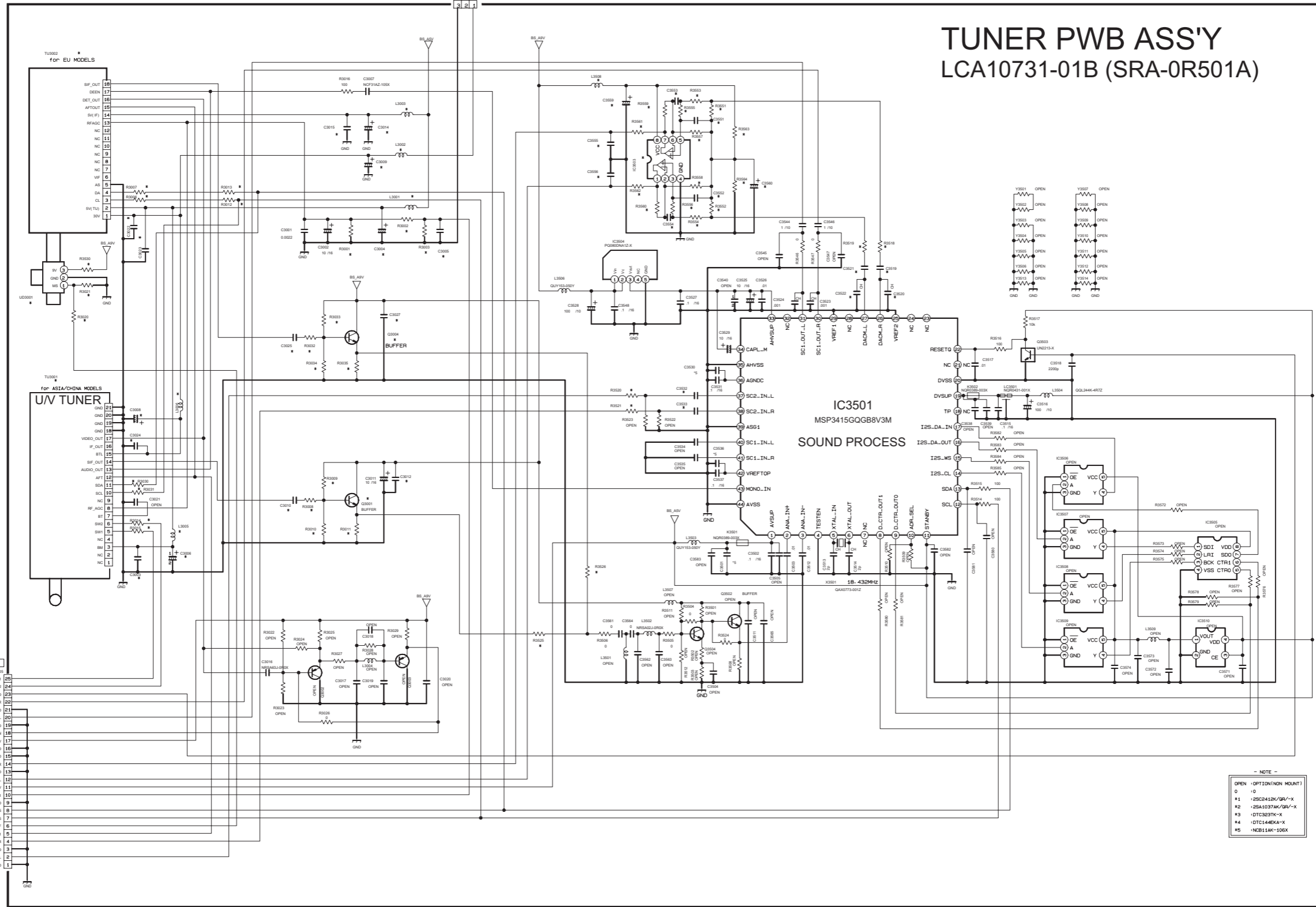
BLOCK DIAGRAM



CIRCUIT DIAGRAMS
TUNER PWB CIRCUIT DIAGRAM SHEET 1

ANALOG PWB
ASSY (5/5)
CN1T2 (SHEET6)

TUNER PWB ASS'Y
LCA10731-01B (SRA-0R501A)

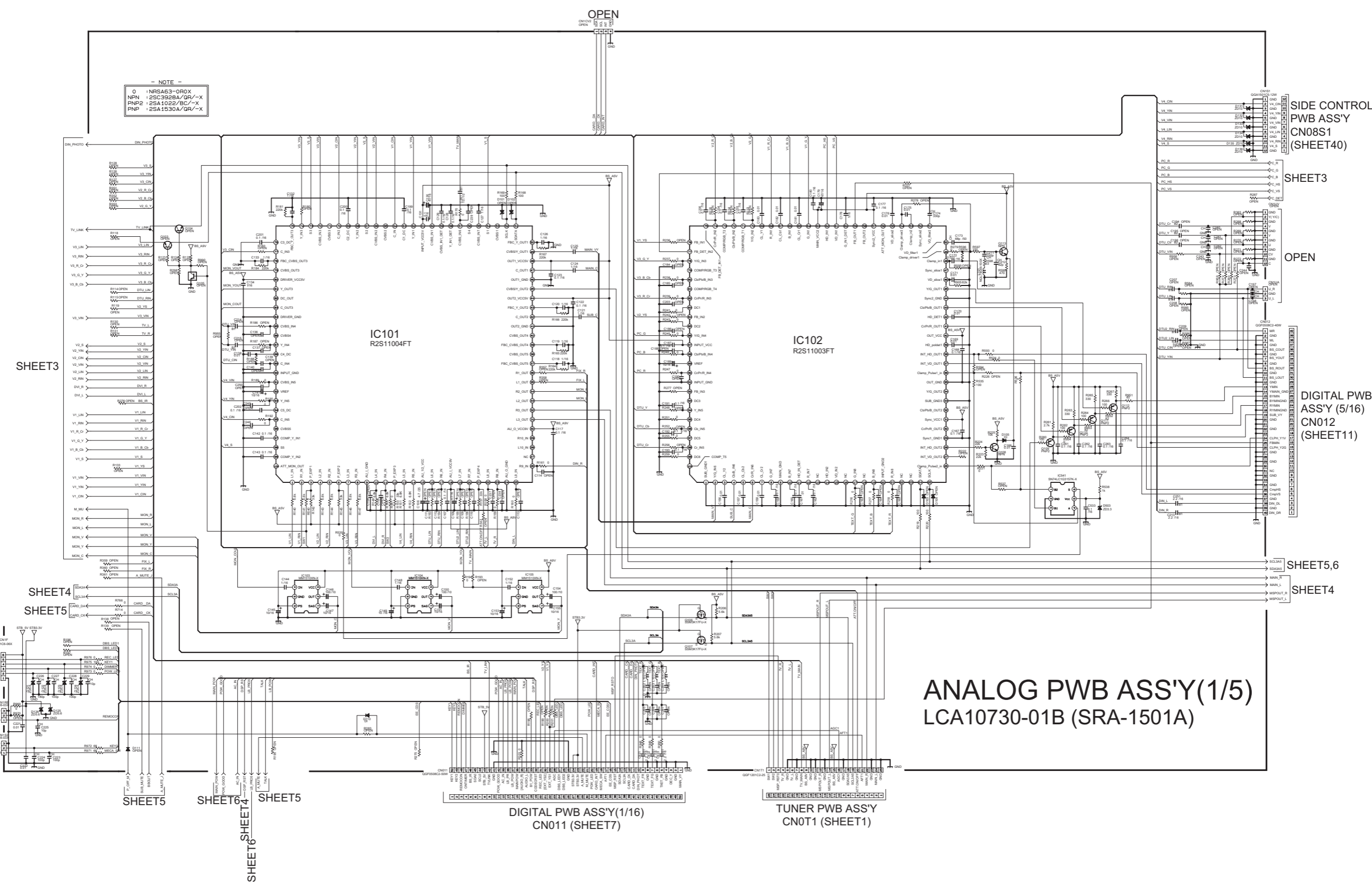


* DIFFERENCE LIST

REGION	ASIA	CHINA	CHINA	EU
MODEL NO	HD-272	HD-272	HD-272	
ASSEMBLY NO	SRA-0R501A	SRA-0R501A	SRA-0R501A	
DIFFERENCE LIST	0	0	0	
TUNER	OPEN	OPEN	OPEN	OPEN
IC3501	OPEN	OPEN	OPEN	OPEN
R3001	OPEN	OPEN	OPEN	OPEN
R3002	OPEN	OPEN	OPEN	OPEN
R3003	OPEN	OPEN	OPEN	OPEN
R3004	OPEN	OPEN	OPEN	OPEN
R3005	OPEN	OPEN	OPEN	OPEN
R3006	OPEN	OPEN	OPEN	OPEN
R3007	OPEN	OPEN	OPEN	OPEN
R3008	OPEN	OPEN	OPEN	OPEN
R3009	OPEN	OPEN	OPEN	OPEN
R3010	OPEN	OPEN	OPEN	OPEN
R3011	OPEN	OPEN	OPEN	OPEN
R3012	OPEN	OPEN	OPEN	OPEN
R3013	OPEN	OPEN	OPEN	OPEN
R3014	OPEN	OPEN	OPEN	OPEN
R3015	OPEN	OPEN	OPEN	OPEN
R3016	OPEN	OPEN	OPEN	OPEN
R3017	OPEN	OPEN	OPEN	OPEN
R3018	OPEN	OPEN	OPEN	OPEN
R3019	OPEN	OPEN	OPEN	OPEN
R3020	OPEN	OPEN	OPEN	OPEN
C3001	OPEN	OPEN	OPEN	OPEN
C3002	OPEN	OPEN	OPEN	OPEN
C3003	OPEN	OPEN	OPEN	OPEN
C3004	OPEN	OPEN	OPEN	OPEN
C3005	OPEN	OPEN	OPEN	OPEN
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L3019	OPEN	OPEN	OPEN	OPEN
L3020	OPEN	OPEN	OPEN	OPEN
L3021	OPEN	OPEN	OPEN	OPEN
L3022	OPEN	OPEN	OPEN	OPEN
L3023	OPEN	OPEN	OPEN	OPEN
L3024	OPEN	OPEN	OPEN	OPEN
L3025	OPEN	OPEN	OPEN	OPEN
L3026	OPEN	OPEN	OPEN	OPEN
L3027	OPEN	OPEN	OPEN	OPEN
L3028	OPEN	OPEN	OPEN	OPEN
L3029	OPEN	OPEN	OPEN	OPEN
L3030	OPEN	OPEN	OPEN	OPEN
L3031	OPEN	OPEN	OPEN	OPEN
L3032	OPEN	OPEN	OPEN	OPEN
L3033	OPEN	OPEN	OPEN	OPEN
L3034	OPEN	OPEN	OPEN	OPEN
L3035	OPEN	OPEN	OPEN	OPEN
L3036	OPEN	OPEN	OPEN	OPEN
L3037	OPEN	OPEN	OPEN	OPEN
L3038	OPEN	OPEN	OPEN	OPEN
L3039	OPEN	OPEN	OPEN	OPEN
L3040	OPEN	OPEN	OPEN	OPEN
L3041	OPEN	OPEN	OPEN	OPEN
L3042	OPEN	OPEN	OPEN	OPEN
L3043	OPEN	OPEN	OPEN	OPEN
L3044	OPEN	OPEN	OPEN	OPEN
L3045	OPEN	OPEN	OPEN	OPEN
L3046	OPEN	OPEN	OPEN	OPEN
L3047	OPEN	OPEN	OPEN	OPEN
L3048	OPEN	OPEN	OPEN	OPEN
L3049	OPEN	OPEN	OPEN	OPEN
L3050	OPEN	OPEN	OPEN	OPEN
L3051	OPEN	OPEN	OPEN	OPEN
L3052	OPEN	OPEN	OPEN	OPEN
L3053	OPEN	OPEN	OPEN	OPEN
L3054	OPEN	OPEN	OPEN	OPEN
L3055	OPEN	OPEN	OPEN	OPEN
L3056	OPEN	OPEN	OPEN	OPEN
L3057	OPEN	OPEN	OPEN	OPEN
L3058	OPEN	OPEN	OPEN	OPEN
L3059	OPEN	OPEN	OPEN	OPEN
L3060	OPEN	OPEN	OPEN	OPEN
L3061	OPEN	OPEN	OPEN	OPEN
L3062	OPEN	OPEN	OPEN	OPEN
L3063	OPEN	OPEN	OPEN	OPEN
L3064	OPEN	OPEN	OPEN	OPEN
L3065	OPEN	OPEN	OPEN	OPEN
L3066	OPEN	OPEN	OPEN	OPEN
L3067	OPEN	OPEN	OPEN	OPEN
L3068	OPEN	OPEN	OPEN	OPEN
L3069	OPEN	OPEN	OPEN	OPEN
L3070	OPEN	OPEN	OPEN	OPEN
L3071	OPEN	OPEN	OPEN	OPEN
L3072	OPEN	OPEN	OPEN	OPEN
L3073	OPEN	OPEN	OPEN	OPEN
L3074	OPEN	OPEN	OPEN	OPEN
L3075	OPEN	OPEN	OPEN	OPEN
L3076	OPEN	OPEN	OPEN	OPEN
L3077	OPEN	OPEN	OPEN	OPEN
L3078	OPEN	OPEN	OPEN	OPEN
L3079	OPEN	OPEN	OPEN	OPEN
L3080	OPEN	OPEN	OPEN	OPEN
L3081	OPEN	OPEN	OPEN	OPEN
L3082	OPEN	OPEN	OPEN	OPEN
L3083	OPEN	OPEN	OPEN	OPEN
L3084	OPEN	OPEN	OPEN	OPEN
L3085	OPEN	OPEN	OPEN	OPEN
L3086	OPEN	OPEN	OPEN	OPEN
L3087	OPEN	OPEN	OPEN	OPEN
L3088	OPEN	OPEN	OPEN	OPEN
L3089	OPEN	OPEN	OPEN	OPEN
L3090	OPEN	OPEN	OPEN	OPEN
L3091	OPEN	OPEN	OPEN	OPEN
L3092	OPEN	OPEN	OPEN	OPEN
L3093	OPEN	OPEN	OPEN	OPEN
L3094	OPEN	OPEN	OPEN	OPEN
L3095	OPEN	OPEN	OPEN	OPEN
L3096	OPEN	OPEN	OPEN	OPEN
L3097	OPEN	OPEN	OPEN	OPEN
L3098	OPEN	OPEN	OPEN	OPEN
L3099	OPEN	OPEN	OPEN	OPEN
L3100	OPEN	OPEN	OPEN	OPEN

ANALOG PWB
ASS'Y (1/5)
CN1T1
(SHEET2)

- NOTE -
0 : NPSA63-0R0X
NPN : 2SC3928A/QR/-X
PNP2 : 2SA1022/BC/-X
PNP : 2SA1530A/QR/-X



SIDE CONTROL
PWB ASSY
CN08S1
(SHEET40)

SHEET3

OPEN

DIGITAL PWB
ASSY (5/16)
CN012
(SHEET11)

SHEET5,6

SHEET4

ANALOG PWB ASS'Y(1/5)
LCA10730-01B (SRA-1501A)

FRONT LED
PWB ASSY
CN9F (SHEET35),
CN7F (SHEET36)

REMOCON
PWB ASSY
CN08RE (SHEET39)

SIDE CONTROL
PWB ASSY
CN08S2
(SHEET40)

SHEET5

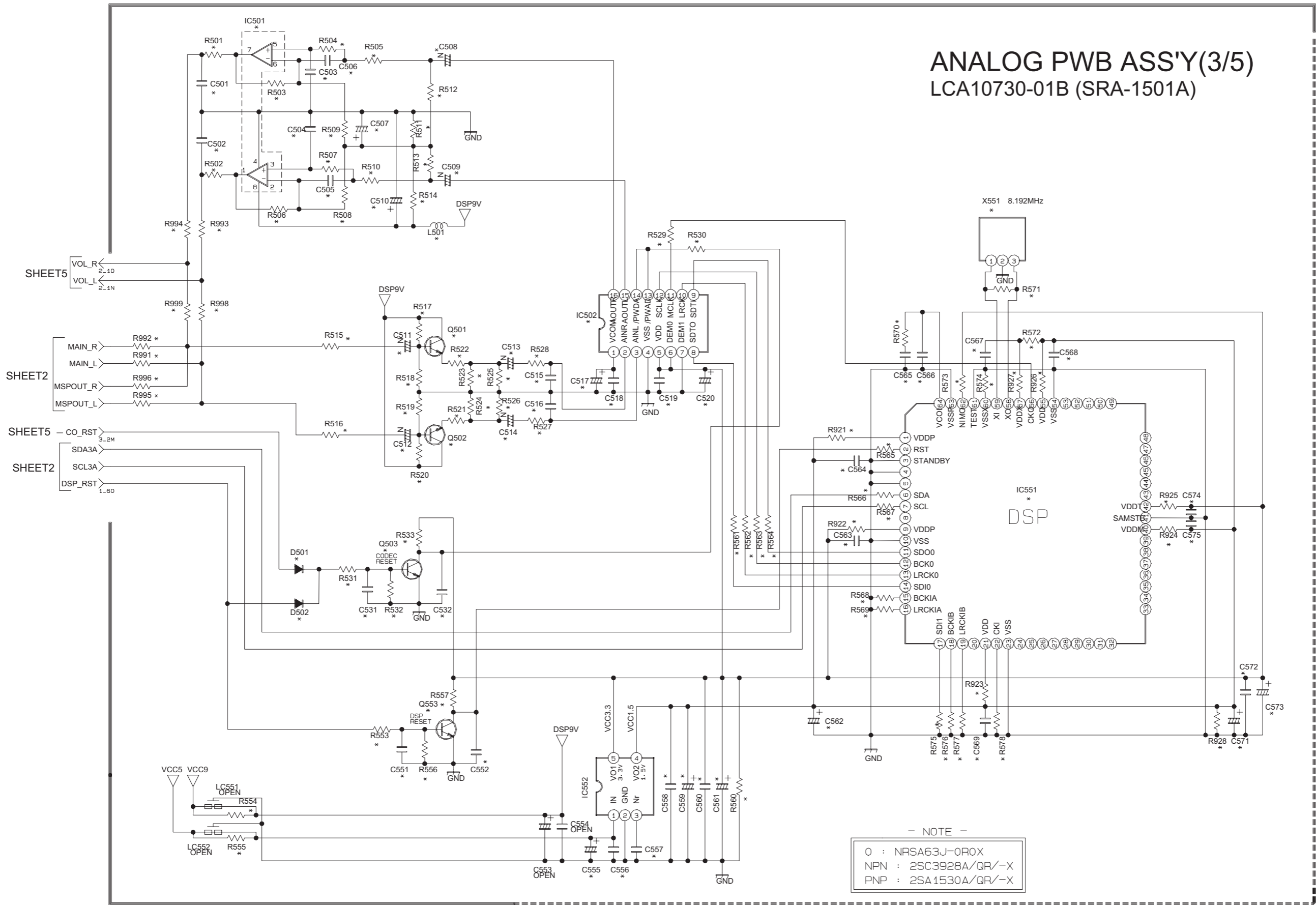
SHEET6

SHEET5

DIGITAL PWB ASS'Y(1/16)
CN011 (SHEET7)

TUNER PWB ASSY
CN0T1 (SHEET1)

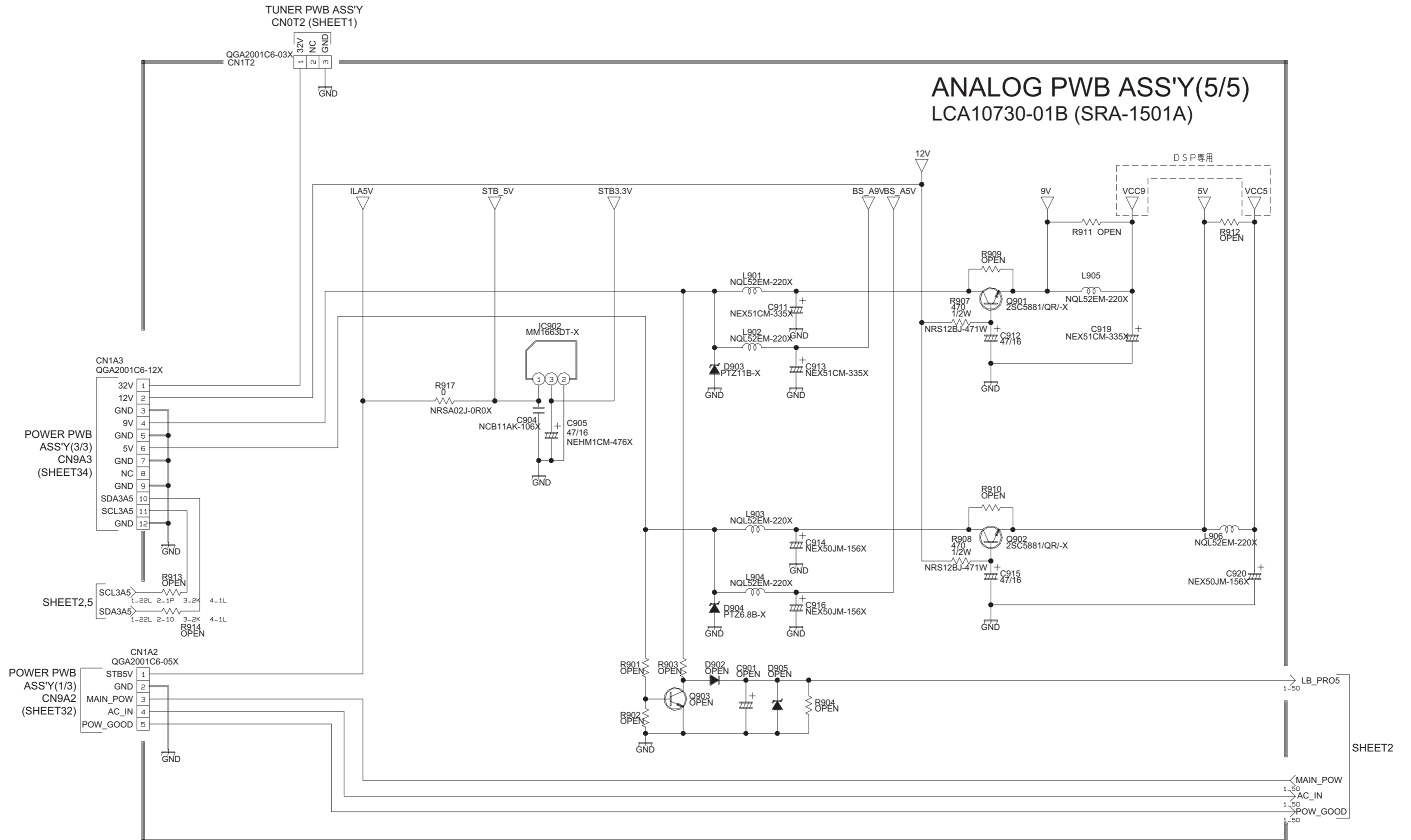
ANALOG PWB ASS'Y(3/5) LCA10730-01B (SRA-1501A)



- NOTE -
0 : NRSA63J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X

MODEL_NO	REV	NO	REV
SRA-1501A	1.0	SRA-1502A	1.0
OLLCT0846	22	OLLCT0846	22
C518	0.1/16	OPEN	
C519	0.1/16	OPEN	
C520	1/16	OPEN	
C531	0.001	OPEN	
C532	0.001	OPEN	
C551	0.001	OPEN	
C552	0.001	OPEN	
C555	1/16	OPEN	
C556	0.1/16	OPEN	
C557	0.1/16	OPEN	
C558	2.2/6.3	OPEN	
C559	2.2/6.3	OPEN	
C560	2.2/6.3	OPEN	
C561	2.2/6.3	OPEN	
C562	2.2/6.3	OPEN	
C563	0.01	OPEN	
C564	0.01	OPEN	
C565	0.1/16	OPEN	
C566	0.1/16	OPEN	
C567	0.01	OPEN	
C568	0.01	OPEN	
C569	0.01	OPEN	
C571	2.2/6.3	OPEN	
C572	1/16	OPEN	
C573	2.2/6.3	OPEN	
C574	0.01	OPEN	
C575	0.01	OPEN	
X551	NAY0888 8.192MHz	OPEN	

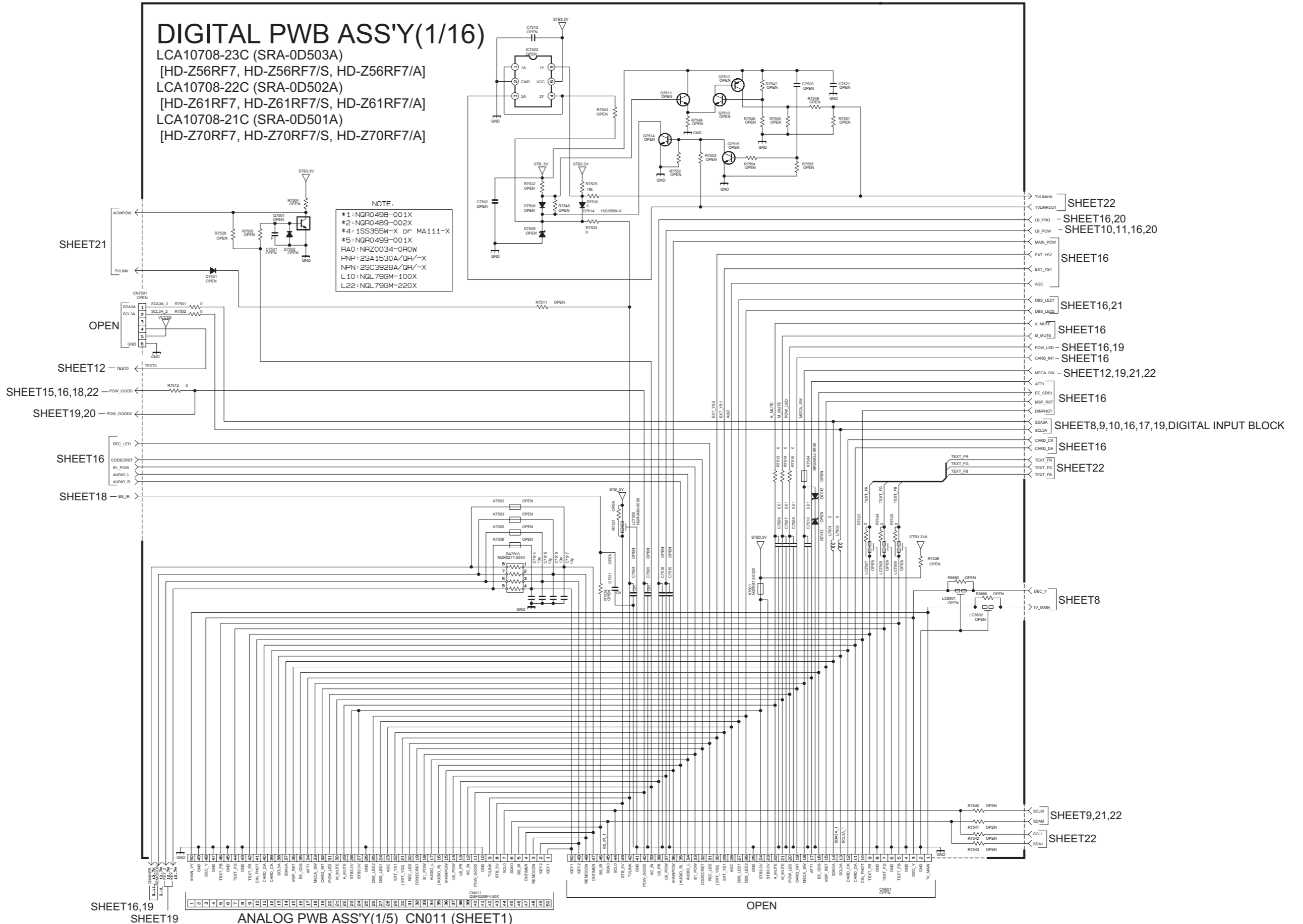
MODEL_NO	REV	NO	REV
SRA-1501A	1.0	SRA-1502A	1.0
OLLCT0846	22	OLLCT0846	22
IC501	HAT1555A	OPEN	
IC502	AK454V1	OPEN	
IC551	JCC5067	OPEN	
IC552	QZL3150M	OPEN	
Q501	2SC3928A	OPEN	
Q502	2SA1530A	OPEN	
Q503	2SC3928A	OPEN	
Q551	2SC3928A	OPEN	
L501	NRSA63J	OPEN	
D501	DI	OPEN	
D502	DI	OPEN	
R501	220	OPEN	
R502	220	OPEN	
R503	4.7K	OPEN	
R504	3.3K	OPEN	
R505	3.3K	OPEN	
R506	4.7K	OPEN	
R507	3.3K	OPEN	
R508	1K	OPEN	
R509	1K	OPEN	
R510	3.3K	OPEN	
R511	10K	OPEN	
R512	33K	OPEN	
R513	33K	OPEN	
R514	10K	OPEN	
R515	0	OPEN	
R516	0	OPEN	
R517	33K	OPEN	
R518	33K	OPEN	
R519	33K	OPEN	
R520	33K	OPEN	
R521	3.3K	OPEN	
R522	3.3K	OPEN	
R523	1K	OPEN	
R524	1K	OPEN	
R525	1K	OPEN	
R526	1K	OPEN	
R527	470	OPEN	
R528	470	OPEN	
R529	100	OPEN	
R530	1K	OPEN	
R531	3.3K	OPEN	
R532	10K	OPEN	
R533	10K	OPEN	
R534	0	OPEN	
R535	0	OPEN	
R536	10K	OPEN	
R537	10K	OPEN	
R538	10K	OPEN	
R539	10K	OPEN	
R540	10K	OPEN	
R541	10K	OPEN	
R542	10K	OPEN	
R543	10K	OPEN	
R544	10K	OPEN	
R545	10K	OPEN	
R546	10K	OPEN	
R547	10K	OPEN	
R548	10K	OPEN	
R549	10K	OPEN	
R550	10K	OPEN	
R551	220	OPEN	
R552	220	OPEN	
R553	220	OPEN	
R554	220	OPEN	
R555	0	OPEN	
R556	10K	OPEN	
R557	10K	OPEN	
R558	6.9K	OPEN	
R559	220	OPEN	
R560	220	OPEN	
R561	220	OPEN	
R562	220	OPEN	
R563	220	OPEN	
R564	220	OPEN	
R565	0	OPEN	
R566	100	OPEN	
R567	100	OPEN	
R568	10K	OPEN	
R569	10K	OPEN	
R570	100	OPEN	
R571	1M	OPEN	
R572	4.7	OPEN	
R573	10K	OPEN	
R574	0	OPEN	
R575	10K	OPEN	
R576	10K	OPEN	
R577	10K	OPEN	
R578	10K	OPEN	
R579	0	OPEN	
R580	0	OPEN	
R581	0	OPEN	
R582	0	OPEN	
R583	0	OPEN	
R584	0	OPEN	
R585	0	OPEN	
R586	0	OPEN	
R587	0	OPEN	
R588	0	OPEN	
R589	0	OPEN	
R590	0	OPEN	
R591	0	OPEN	
R592	0	OPEN	
R593	0	OPEN	
R594	0	OPEN	
R595	OPEN	0	
R596	OPEN	0	
R597	OPEN	0	
R598	OPEN	0	
R599	OPEN	0	
C501	0.022/16	OPEN	
C502	0.022/16	OPEN	
C503	0.0022	OPEN	
C504	0.0022	OPEN	
C505	0.0082	OPEN	
C506	0.0082	OPEN	
C507	100/10	OPEN	
C508	1/50	OPEN	
C509	1/50	OPEN	
C510	47/16	OPEN	
C511	4.7/16	OPEN	
C512	4.7/16	OPEN	
C513	4.7/16	OPEN	
C514	4.7/16	OPEN	
C515	0.001	OPEN	
C516	0.001	OPEN	
C517	4.7/25	OPEN	

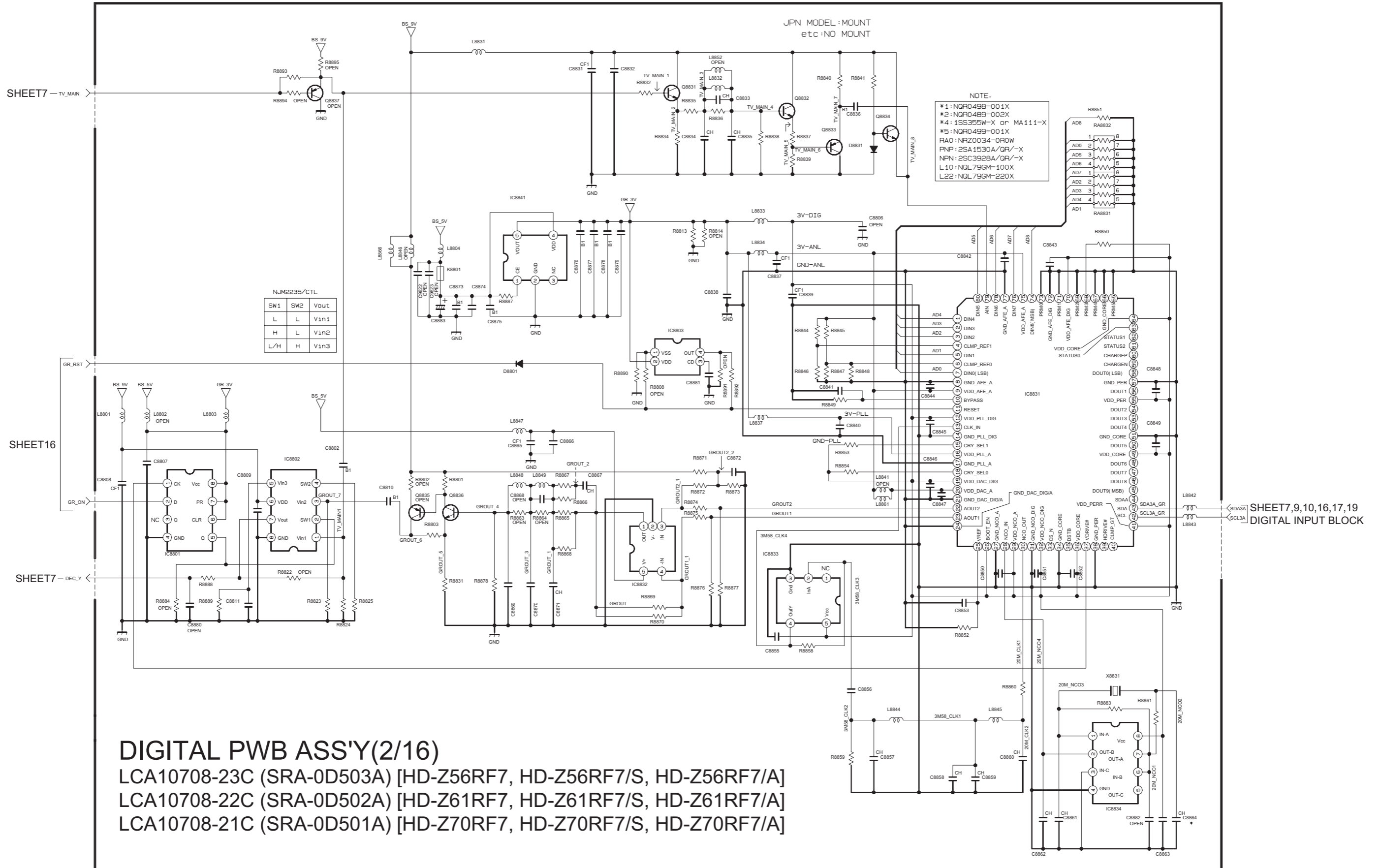


DIGITAL PWB ASS'Y(1/16)

LCA10708-23C (SRA-0D503A)
 [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]
 LCA10708-22C (SRA-0D502A)
 [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]
 LCA10708-21C (SRA-0D501A)
 [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]

NOTE:
 *1: NQR0498-001X
 *2: NQR0489-002X
 *4: 1SS355W-X or MA111-X
 *5: NQR0499-001X
 RA0: NRZ0034-OROW
 PNP: 2SA1530A/QR-X
 NPN: 2SC3928A/QR-X
 L10: NQL79GM-100X
 L22: NQL79GM-220X



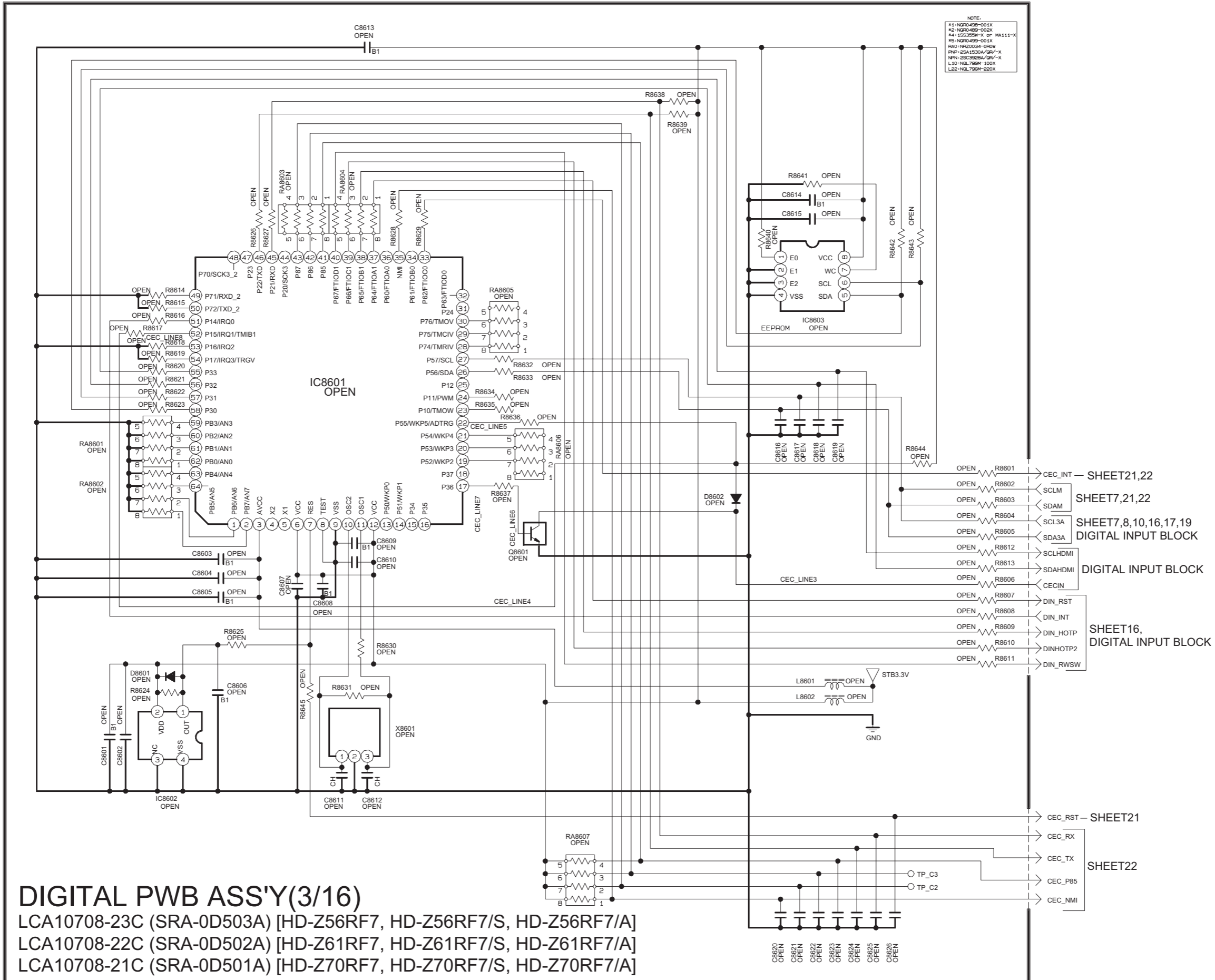


DIGITAL PWB ASS'Y(2/16)

LCA10708-23C (SRA-0D503A) [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]

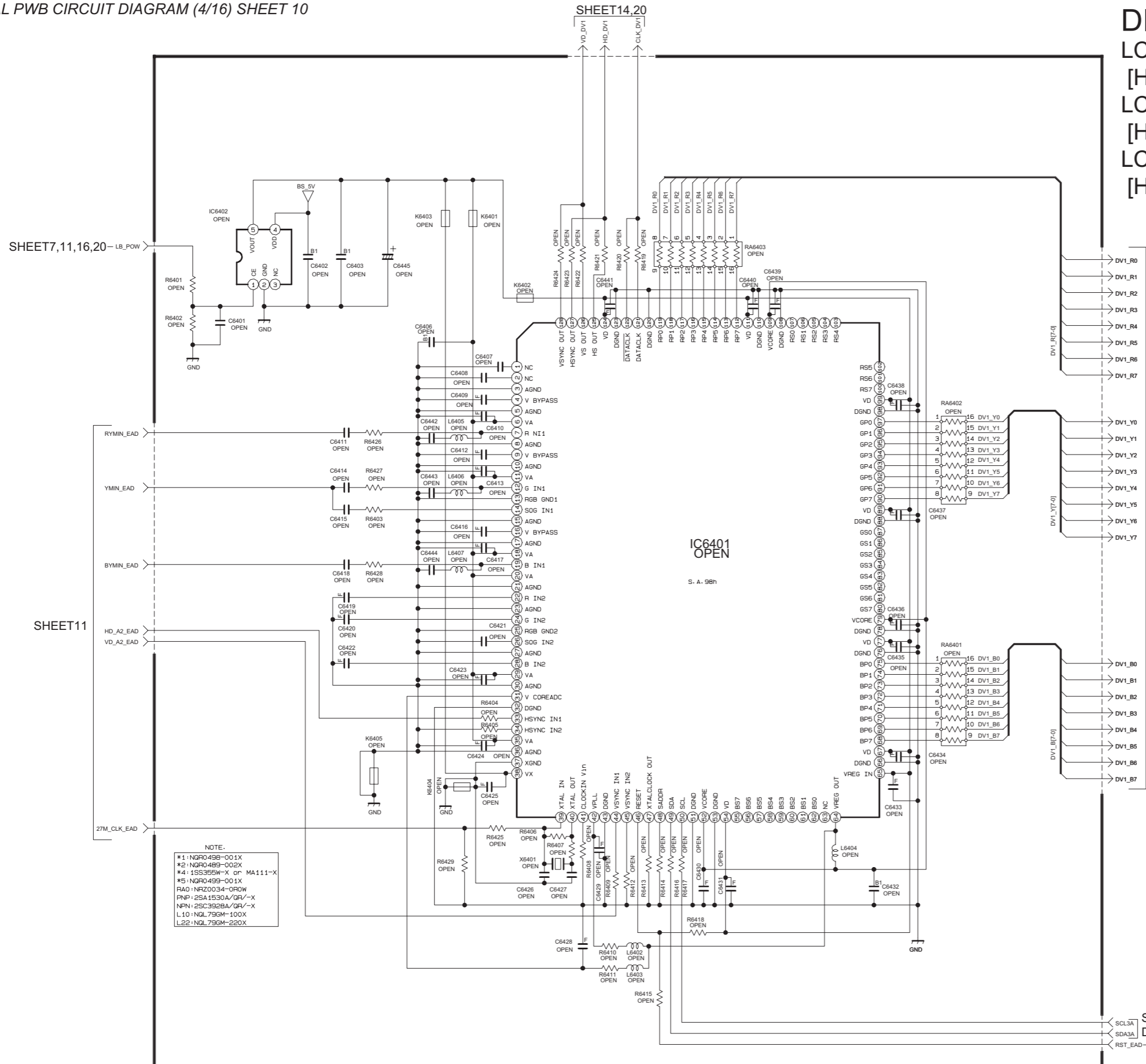
LCA10708-22C (SRA-0D502A) [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]

LCA10708-21C (SRA-0D501A) [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]



DIGITAL PWB ASS'Y(3/16)
 LCA10708-23C (SRA-0D503A) [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]
 LCA10708-22C (SRA-0D502A) [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]
 LCA10708-21C (SRA-0D501A) [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]

DIGITAL PWB ASS'Y(4/16)
 LCA10708-23C (SRA-0D503A)
 [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]
 LCA10708-22C (SRA-0D502A)
 [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]
 LCA10708-21C (SRA-0D501A)
 [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]



NOTE:
 *1: NGR049B-001X
 *2: NGR049B-002X
 *4: 1SS35W-X of MA111-X
 *5: NGR049B-001X
 RA0: NRZ0034-OROW
 PNP: 2SA1530A/QR/-X
 NPN: 2SC392BA/QR/-X
 L10: NQL79GM-100X
 L22: NQL79GM-220X

SHEET12,18, DIGITAL INPUT BLOCK

SHEET7,8,9,16,17,19
 DIGITAL INPUT BLOCK
 SHEET12

DIGITAL PWB ASS'Y(5/16)

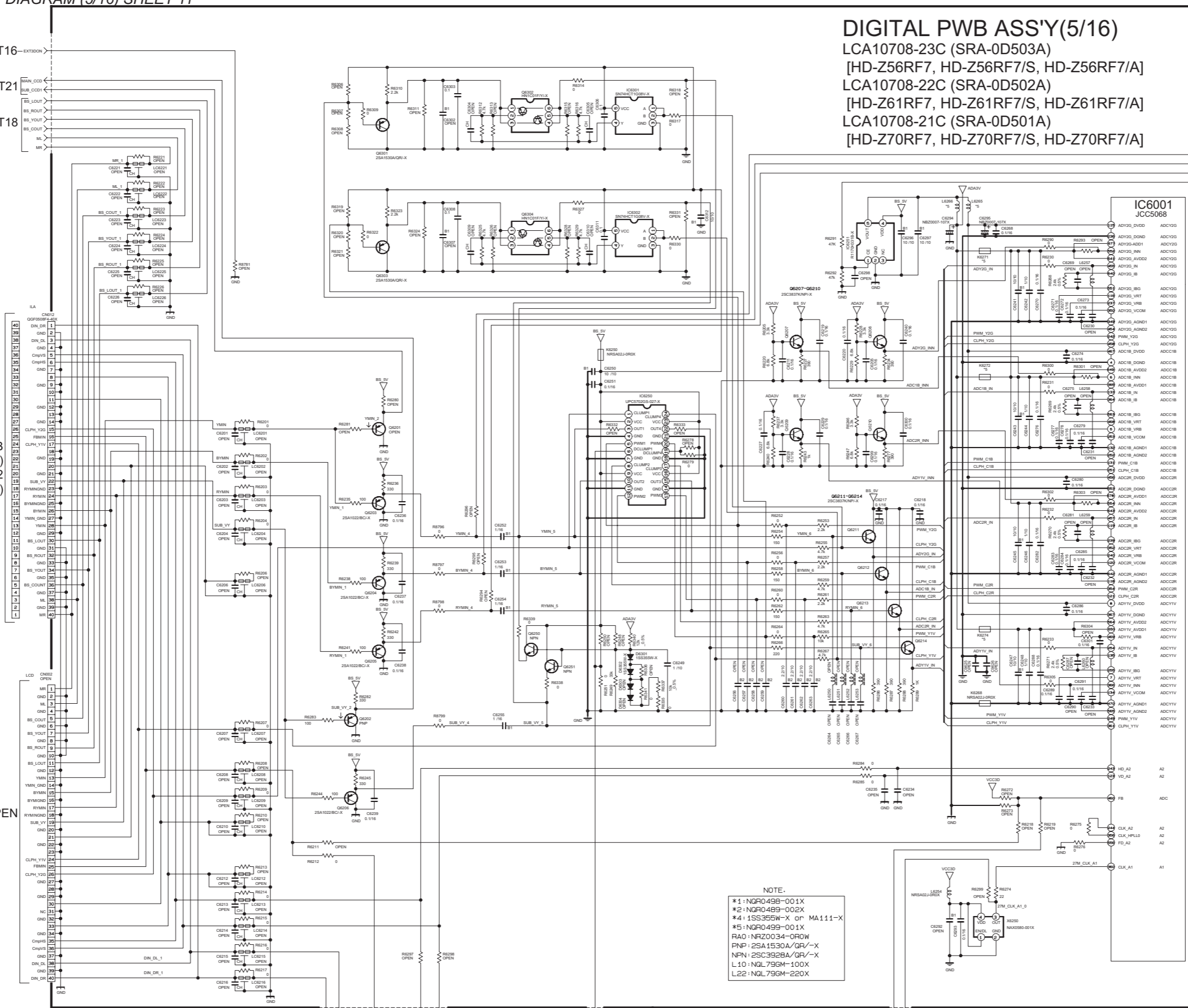
LCA10708-23C (SRA-0D503A)
 [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]
 LCA10708-22C (SRA-0D502A)
 [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]
 LCA10708-21C (SRA-0D501A)
 [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]

SHEET16-EXTDOR
 SHEET21
 SHEET18

SHEET10
 SHEET7,10,16,20

ANALOG PWB ASS'Y (1/5) CN012 (SHEET2)

OPEN



NOTE.
 *1: NGR0498-001X
 *2: NGR0489-002X
 *4: 1SS355W-X or MA111-X
 *5: NGR0499-001X
 RA0: NRZ0034-OROW
 PNP: 2SA1530A/QR/-X
 NPN: 2SC3928A/QR/-X
 L10: NGL79GM-100X
 L22: NGL79GM-220X

DIGITAL INPUT BLOCK

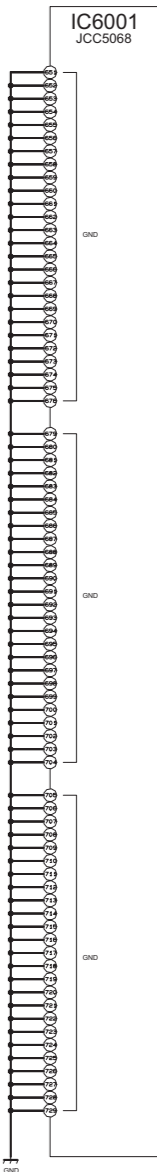
SHEET22

SHEET10

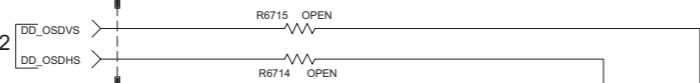
SHEET16

SHEET22

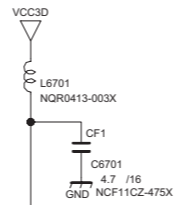
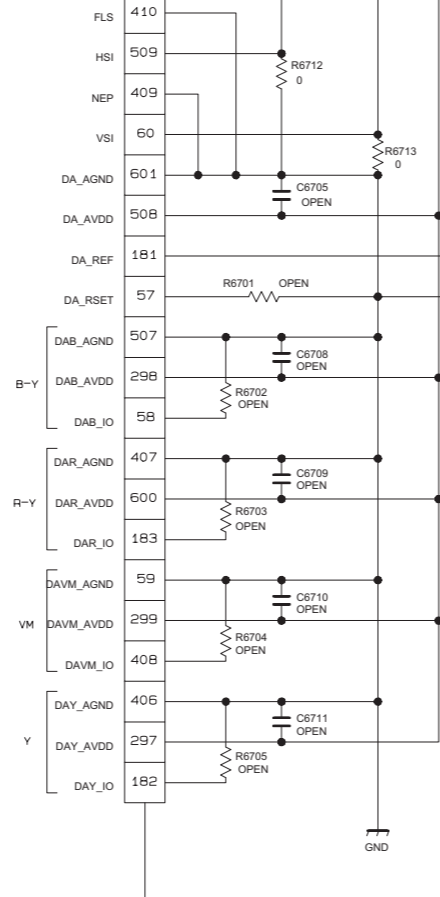
SHEET10



SHEET12,21,22



IC6001
JCC5068



DIGITAL PWB ASS'Y(7/16)
 LCA10708-23C (SRA-0D503A)
 [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]
 LCA10708-22C (SRA-0D502A)
 [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]
 LCA10708-21C (SRA-0D501A)
 [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]

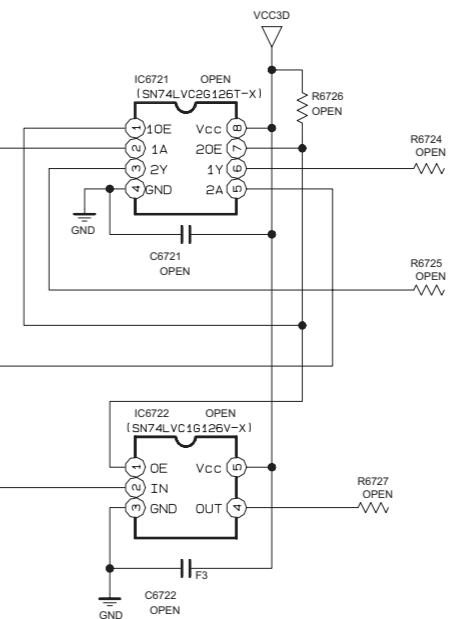
NOTE.
 *1: NQR0498-001X
 *2: NQR0489-002X
 *4: 1SS355W-X or MA111-X
 *5: NQR0499-001X
 RA0: NRZ0034-0R0W
 PNP: 2SA1530A/QR/-X
 NPN: 2SC3928A/QR/-X
 L10: NQL79GM-100X
 L22: NQL79GM-220X

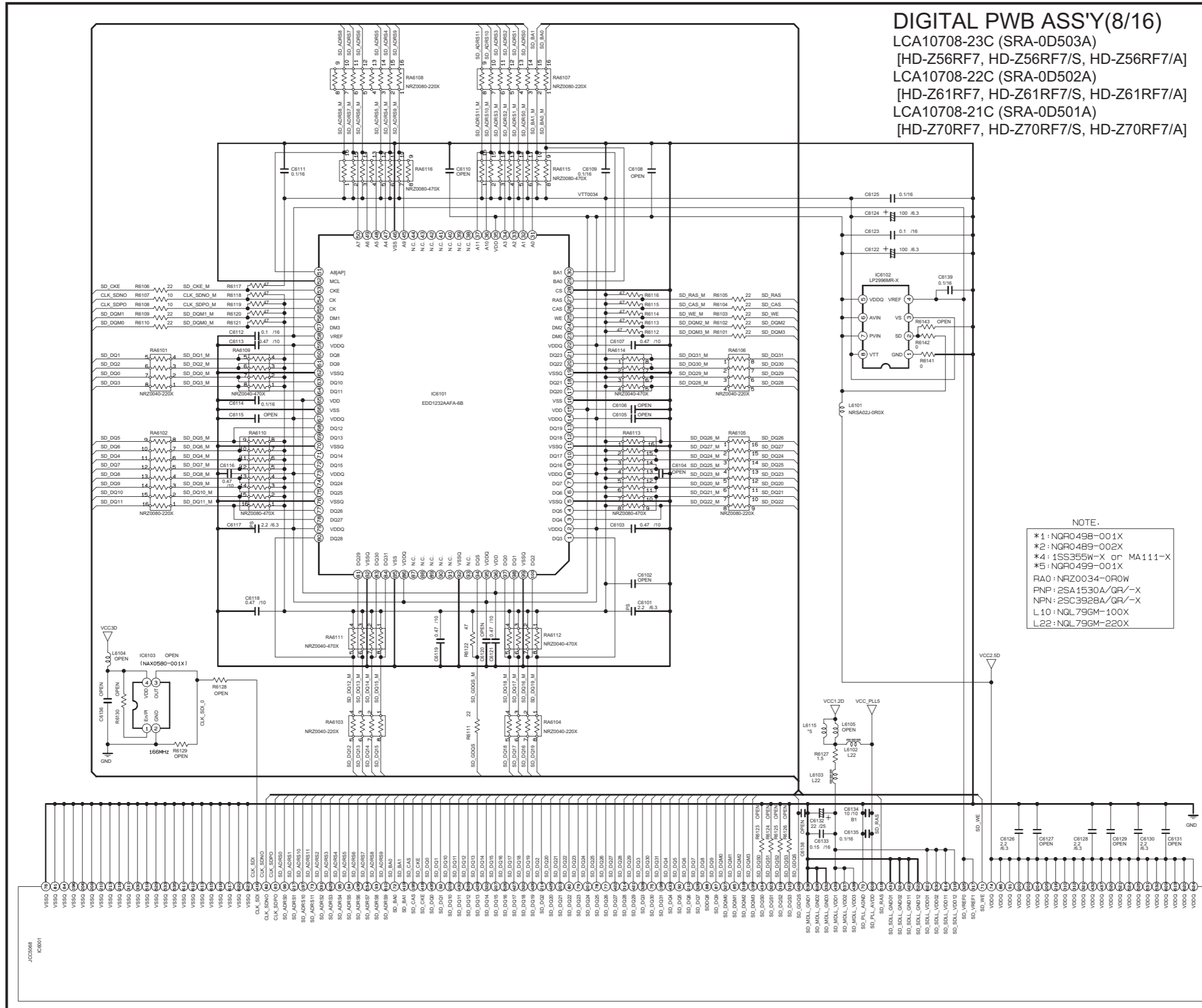
SHEET17,19

LV_VS

LV_HS

LV_AREA





DIGITAL PWB ASS'Y(9/16)

LCA10708-23C (SRA-0D503A)

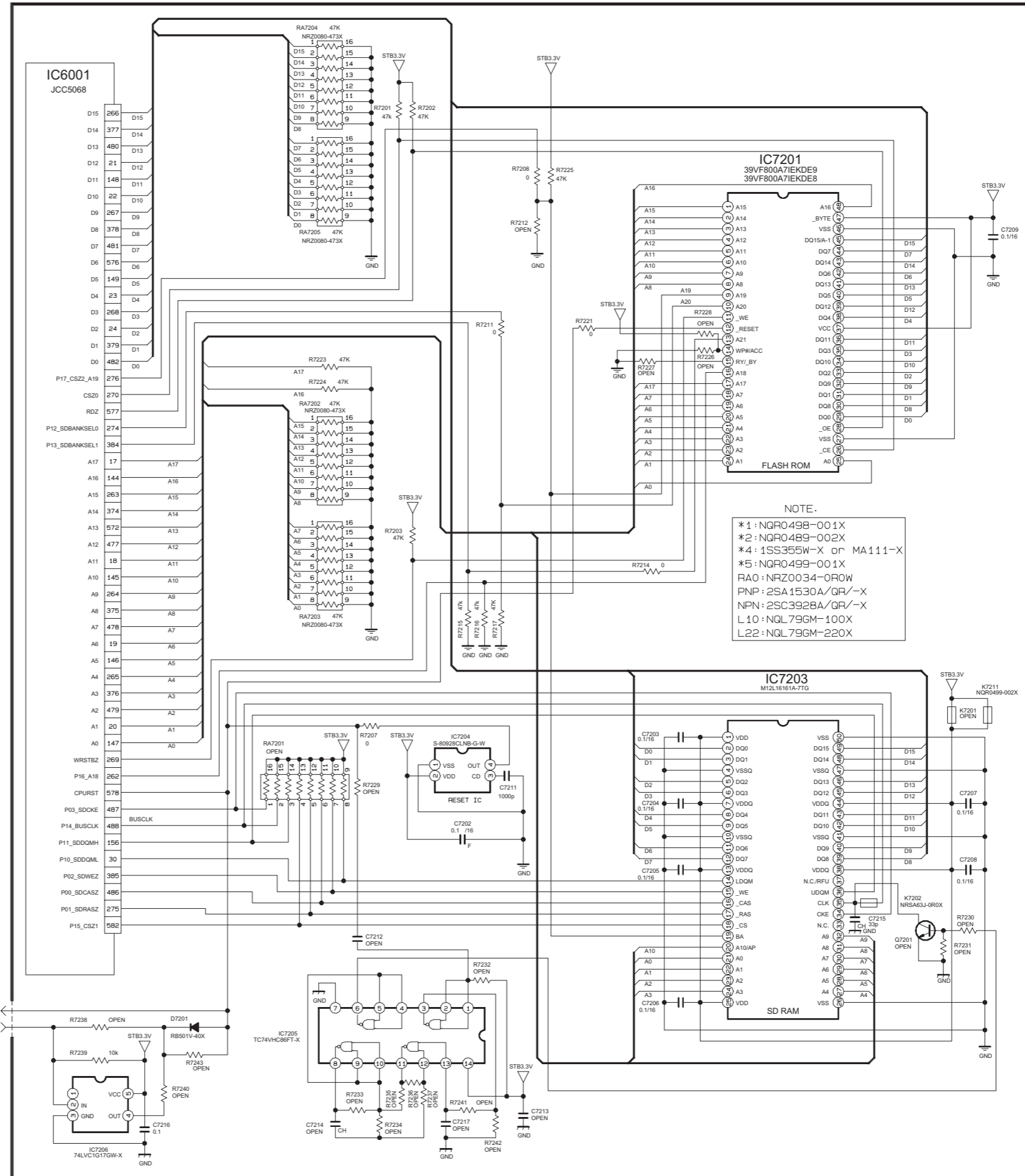
[HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]

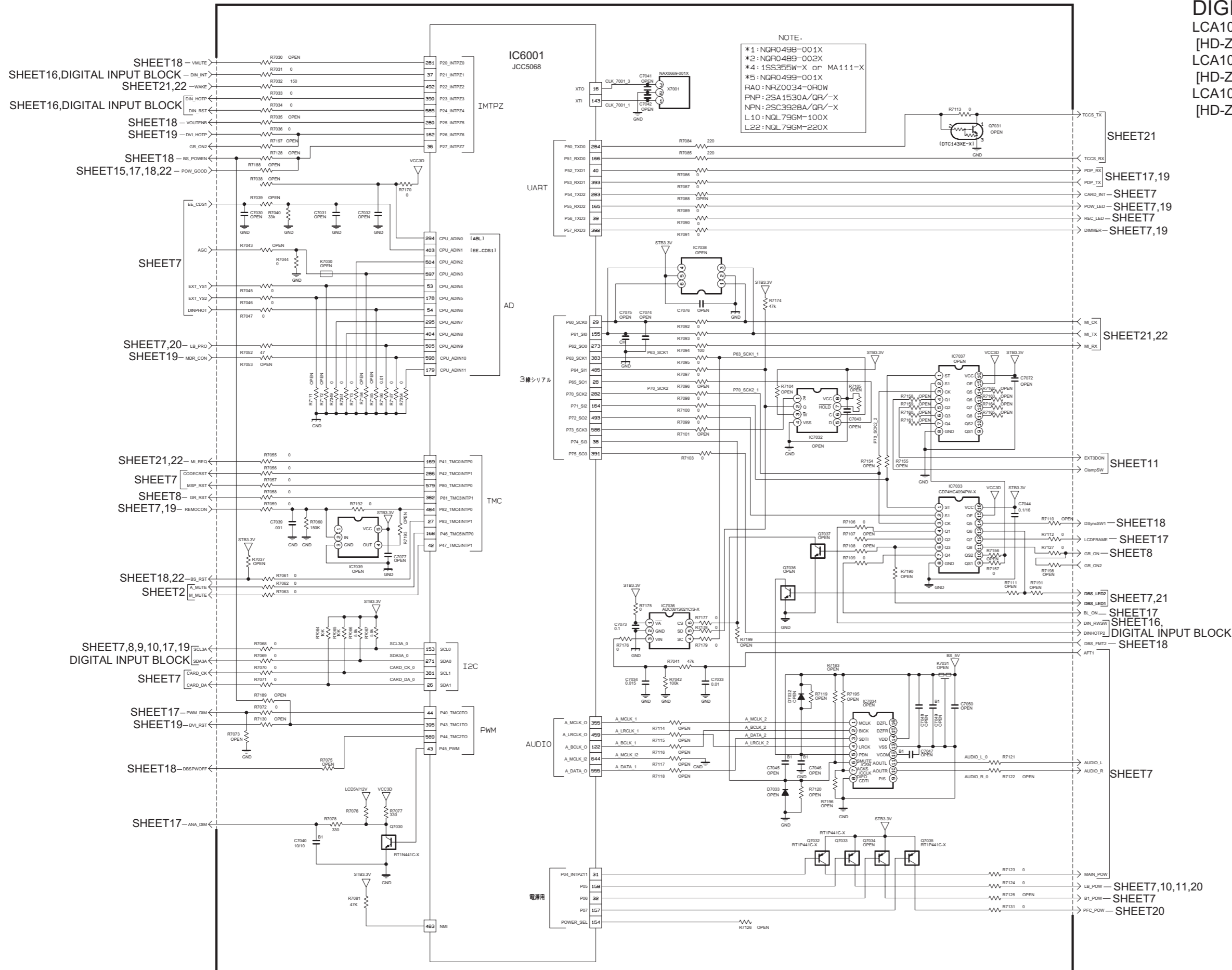
LCA10708-22C (SRA-0D502A)

[HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]

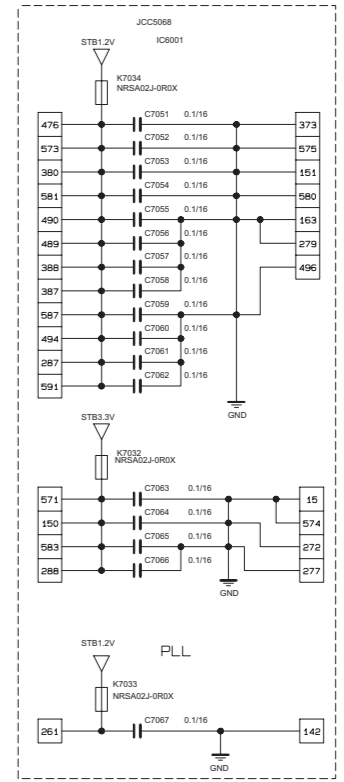
LCA10708-21C (SRA-0D501A)

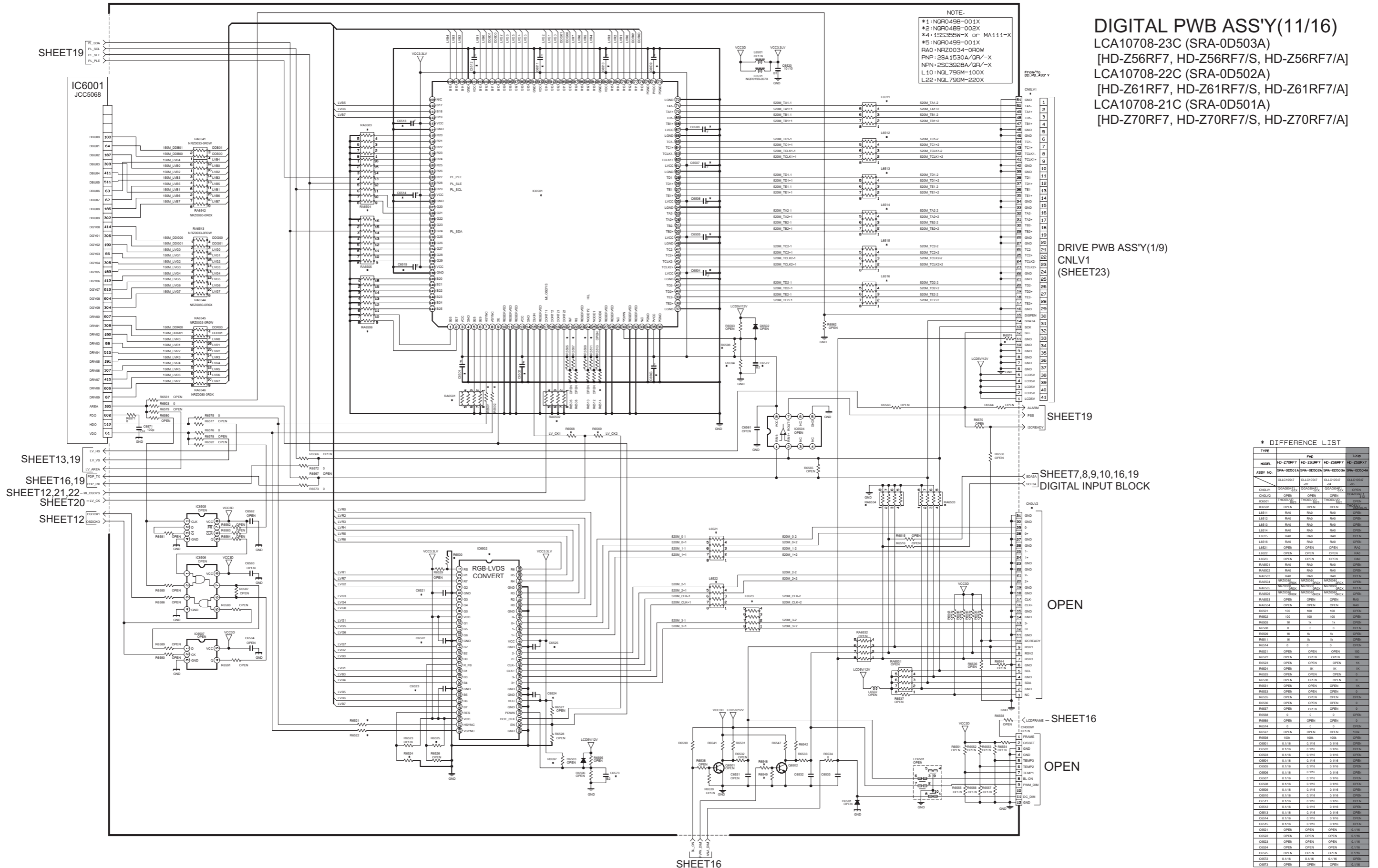
[HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]





DIGITAL PWB ASS'Y(10/16)
 LCA10708-23C (SRA-0D503A)
 [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]
 LCA10708-22C (SRA-0D502A)
 [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]
 LCA10708-21C (SRA-0D501A)
 [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]





NOTE:
 *1: NGR0498-001X
 *2: NGR0489-002X
 *4: 1SS355W-X or MA111-X
 *5: NGR0499-001X
 RA0: NRZ0034-0R0W
 PNP: 2SA1530A/QR/-X
 NPN: 2SC3928A/QR/-X
 L10: NQL79GM-100X
 L22: NQL79GM-220X

DIGITAL PWB ASS'Y(11/16)
 LCA10708-23C (SRA-0D503A)
 [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]
 LCA10708-22C (SRA-0D502A)
 [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]
 LCA10708-21C (SRA-0D501A)
 [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]

DRIVE PWB ASS'Y(1/9)
 CNLV1
 (SHEET23)

SHEET19

SHEET7,8,9,10,16,19
 DIGITAL INPUT BLOCK

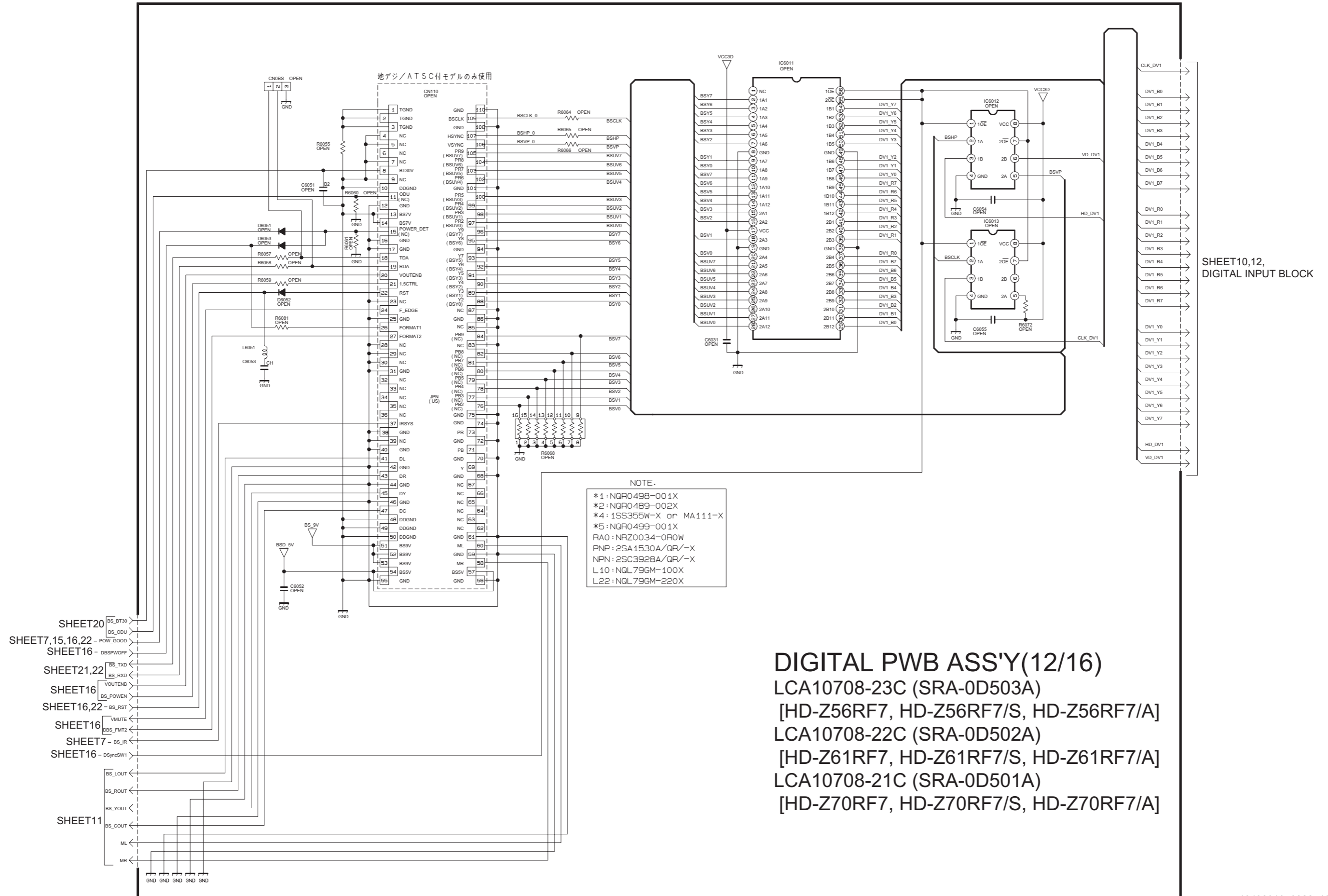
OPEN

SHEET16

OPEN

* DIFFERENCE LIST

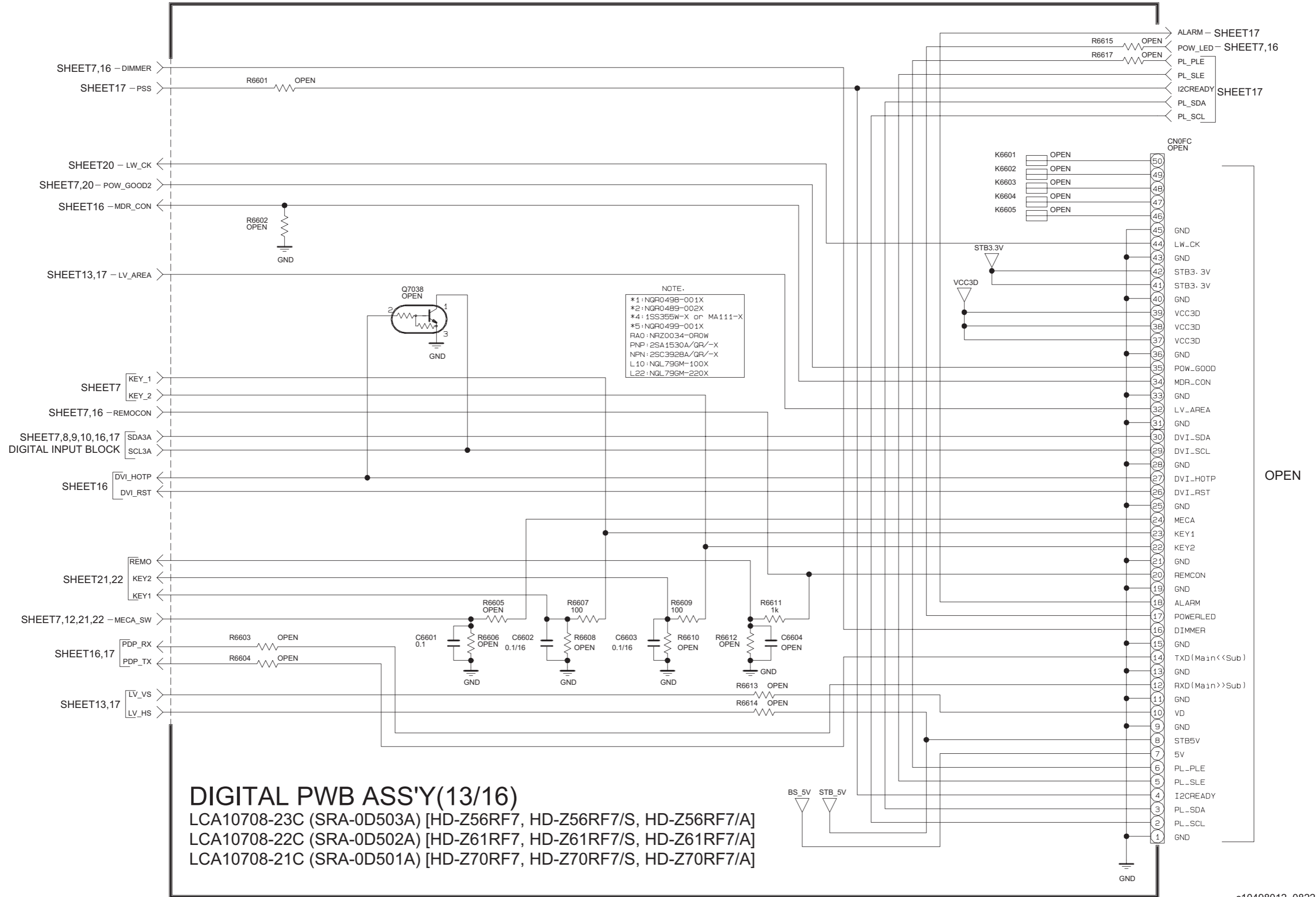
TYPE	FILE	ITEM
MODEL	HD-270RF7	HD-270RF7
MODEL	HD-261RF7	HD-261RF7
MODEL	HD-256RF7	HD-256RF7
MODEL	HD-259RF7	HD-259RF7
ASSY NO.	SRA-0D501A	SRA-0D502A
ASSY NO.	SRA-0D503A	SRA-0D504A
ASSY NO.	SRA-0D505A	SRA-0D506A
ASSY NO.	SRA-0D507A	SRA-0D508A
ASSY NO.	SRA-0D509A	SRA-0D510A
ASSY NO.	SRA-0D511A	SRA-0D512A
ASSY NO.	SRA-0D513A	SRA-0D514A
ASSY NO.	SRA-0D515A	SRA-0D516A
ASSY NO.	SRA-0D517A	SRA-0D518A
ASSY NO.	SRA-0D519A	SRA-0D520A
ASSY NO.	SRA-0D521A	SRA-0D522A
ASSY NO.	SRA-0D523A	SRA-0D524A
ASSY NO.	SRA-0D525A	SRA-0D526A
ASSY NO.	SRA-0D527A	SRA-0D528A
ASSY NO.	SRA-0D529A	SRA-0D530A
ASSY NO.	SRA-0D531A	SRA-0D532A
ASSY NO.	SRA-0D533A	SRA-0D534A
ASSY NO.	SRA-0D535A	SRA-0D536A
ASSY NO.	SRA-0D537A	SRA-0D538A
ASSY NO.	SRA-0D539A	SRA-0D540A
ASSY NO.	SRA-0D541A	SRA-0D542A
ASSY NO.	SRA-0D543A	SRA-0D544A
ASSY NO.	SRA-0D545A	SRA-0D546A
ASSY NO.	SRA-0D547A	SRA-0D548A
ASSY NO.	SRA-0D549A	SRA-0D550A
ASSY NO.	SRA-0D551A	SRA-0D552A
ASSY NO.	SRA-0D553A	SRA-0D554A
ASSY NO.	SRA-0D555A	SRA-0D556A
ASSY NO.	SRA-0D557A	SRA-0D558A
ASSY NO.	SRA-0D559A	SRA-0D560A
ASSY NO.	SRA-0D561A	SRA-0D562A
ASSY NO.	SRA-0D563A	SRA-0D564A
ASSY NO.	SRA-0D565A	SRA-0D566A
ASSY NO.	SRA-0D567A	SRA-0D568A
ASSY NO.	SRA-0D569A	SRA-0D570A
ASSY NO.	SRA-0D571A	SRA-0D572A
ASSY NO.	SRA-0D573A	SRA-0D574A
ASSY NO.	SRA-0D575A	SRA-0D576A
ASSY NO.	SRA-0D577A	SRA-0D578A
ASSY NO.	SRA-0D579A	SRA-0D580A
ASSY NO.	SRA-0D581A	SRA-0D582A
ASSY NO.	SRA-0D583A	SRA-0D584A
ASSY NO.	SRA-0D585A	SRA-0D586A
ASSY NO.	SRA-0D587A	SRA-0D588A
ASSY NO.	SRA-0D589A	SRA-0D590A
ASSY NO.	SRA-0D591A	SRA-0D592A
ASSY NO.	SRA-0D593A	SRA-0D594A
ASSY NO.	SRA-0D595A	SRA-0D596A
ASSY NO.	SRA-0D597A	SRA-0D598A
ASSY NO.	SRA-0D599A	SRA-0D600A



SHEET10,12,
DIGITAL INPUT BLOCK

NOTE.
 *1: NQR0498-001X
 *2: NQR0489-002X
 *4: 1SS355W-X or MA111-X
 *5: NQR0499-001X
 RA0: NRZ0034-0ROW
 PNP: 2SA1530A/QR/-X
 NPN: 2SC3928A/QR/-X
 L10: NQL79GM-100X
 L22: NQL79GM-220X

DIGITAL PWB ASS'Y(12/16)
 LCA10708-23C (SRA-0D503A)
 [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]
 LCA10708-22C (SRA-0D502A)
 [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]
 LCA10708-21C (SRA-0D501A)
 [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]



DIGITAL PWB ASS'Y(13/16)
 LCA10708-23C (SRA-0D503A) [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]
 LCA10708-22C (SRA-0D502A) [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]
 LCA10708-21C (SRA-0D501A) [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]

DIGITAL PWB ASS'Y(14/16)

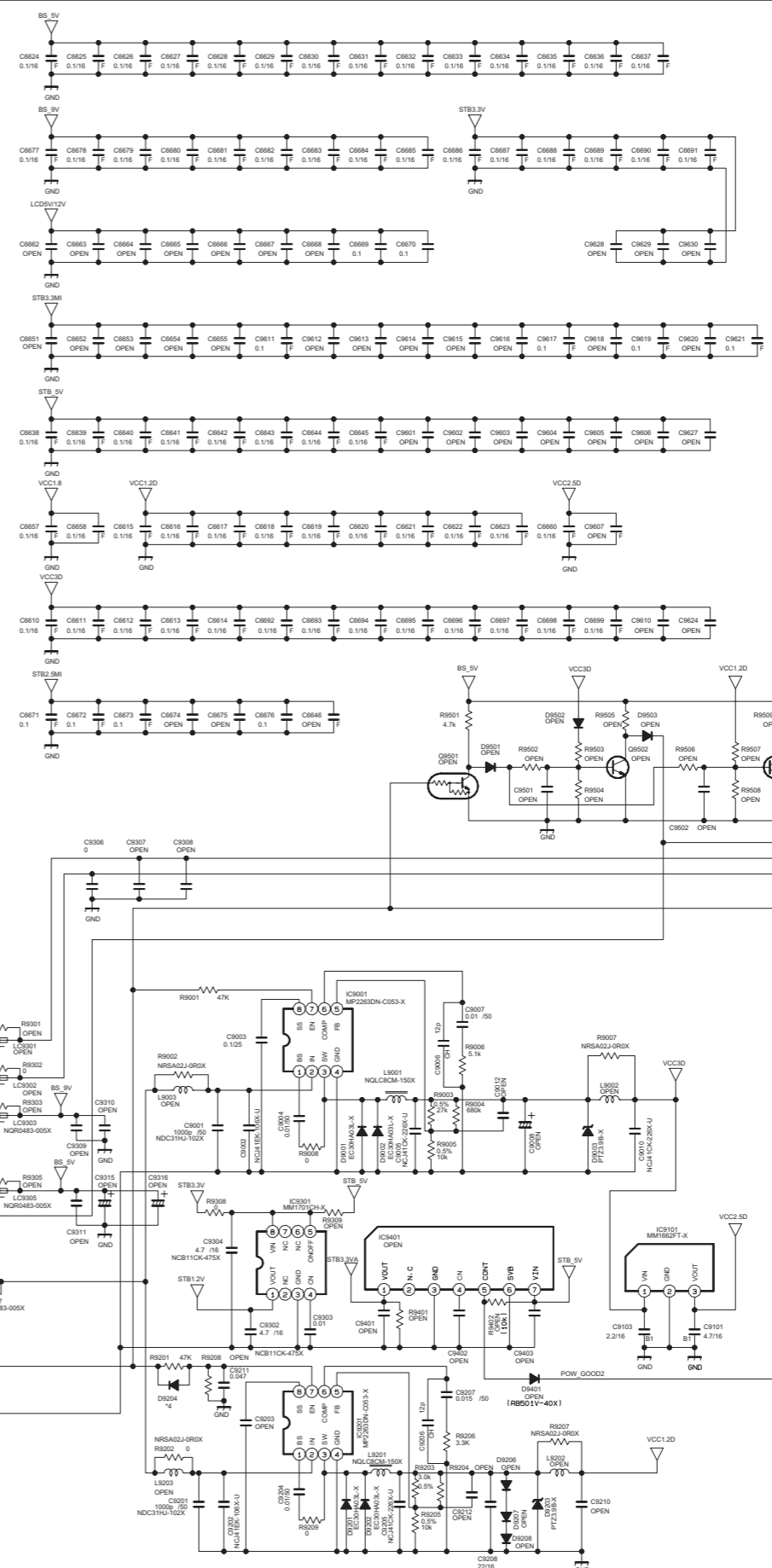
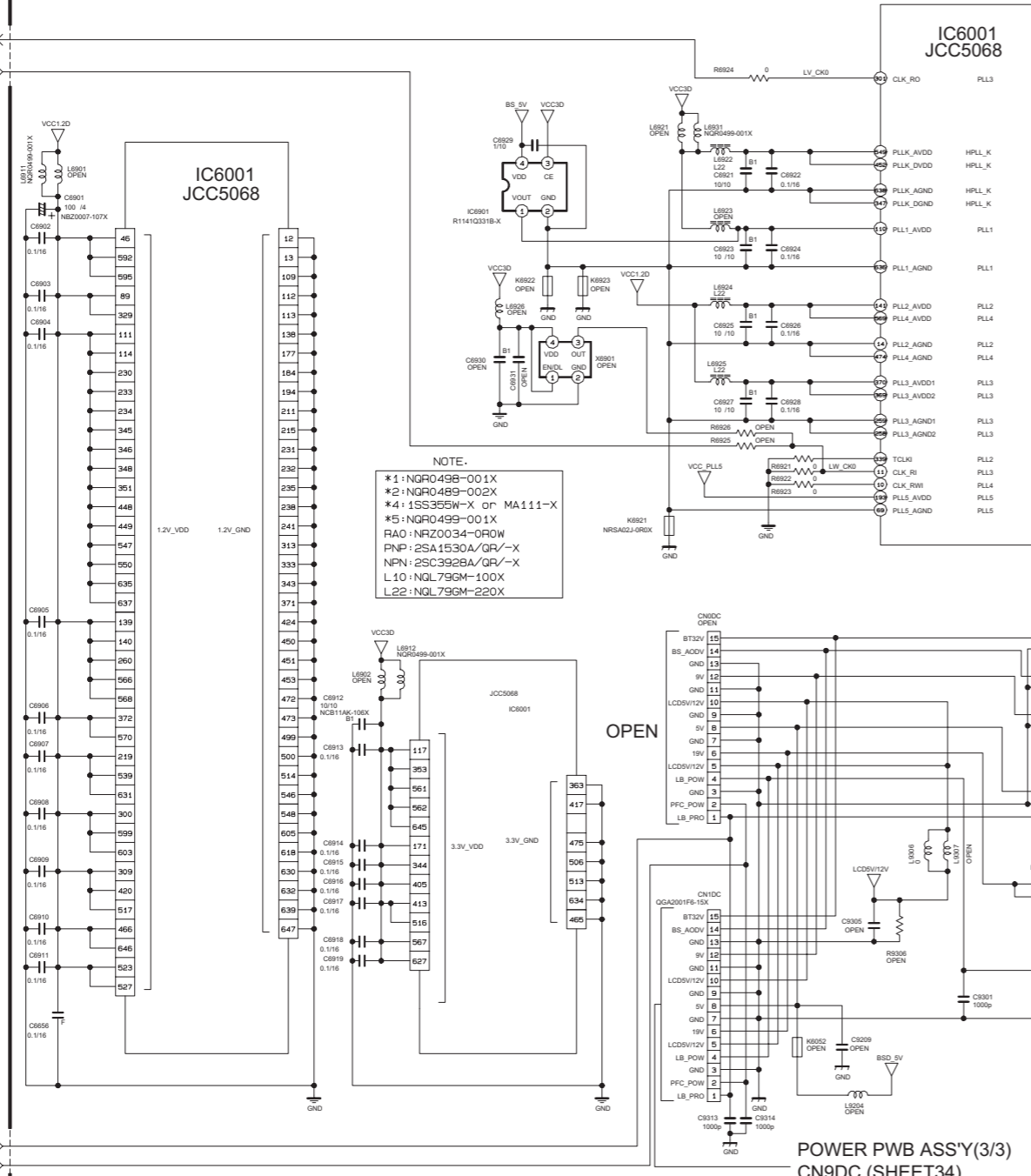
LCA10708-23C (SRA-0D503A) [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]

LCA10708-22C (SRA-0D502A) [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]

LCA10708-21C (SRA-0D501A) [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]

SHEET17 - LV_OK

SHEET19 - LW_OK



SHEET18

LB_POW - SHEET7,10,11,16

POW_GOOD2 - SHEET7,19

SHEET7,16 - LB_PRO

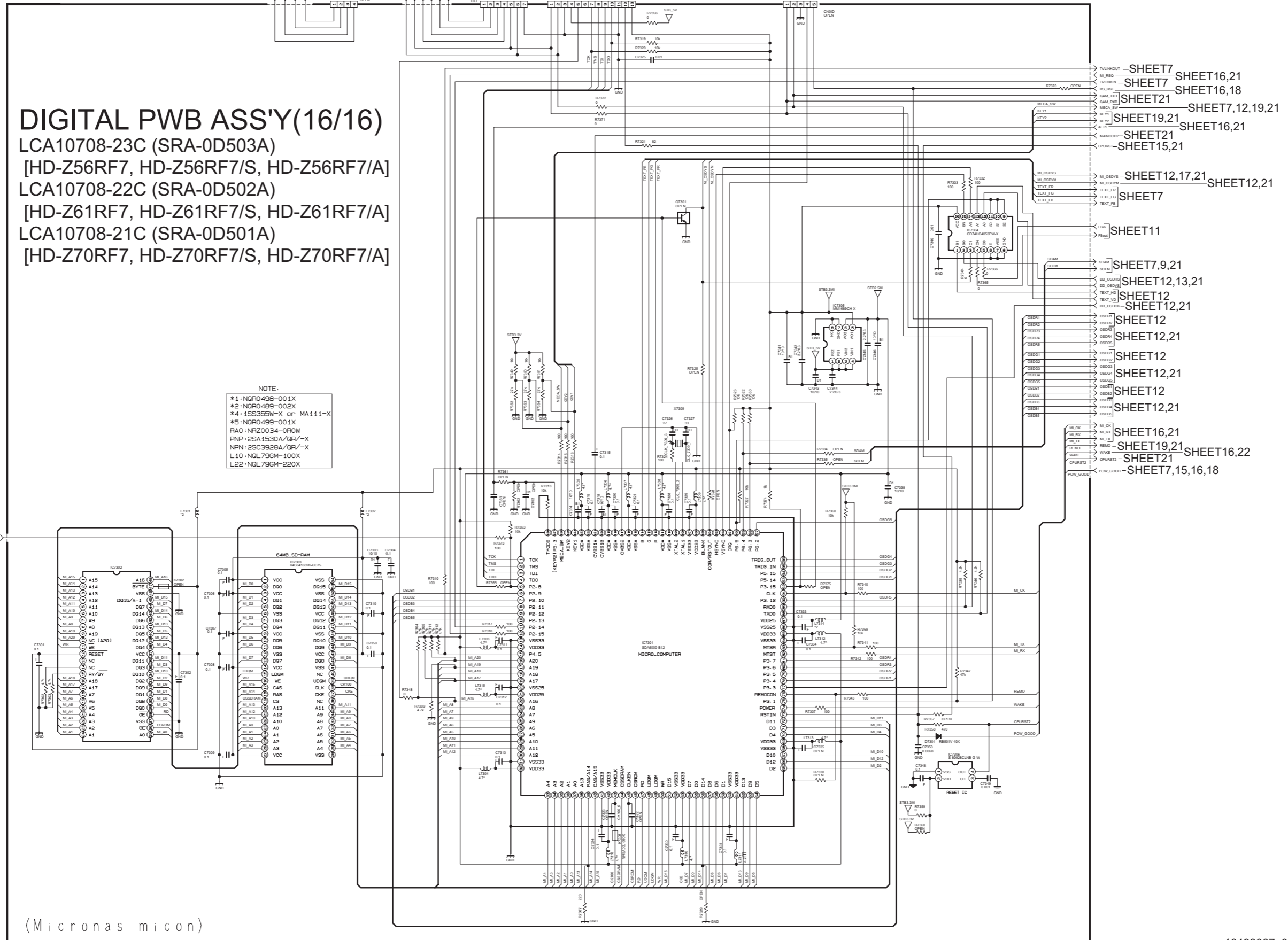
SHEET16 - PFC_POW

DIGITAL PWB ASS'Y(16/16)

LCA10708-23C (SRA-0D503A)
 [HD-Z56RF7, HD-Z56RF7/S, HD-Z56RF7/A]
 LCA10708-22C (SRA-0D502A)
 [HD-Z61RF7, HD-Z61RF7/S, HD-Z61RF7/A]
 LCA10708-21C (SRA-0D501A)
 [HD-Z70RF7, HD-Z70RF7/S, HD-Z70RF7/A]

SHEET9 OPEN SHEET21 OPEN OPEN

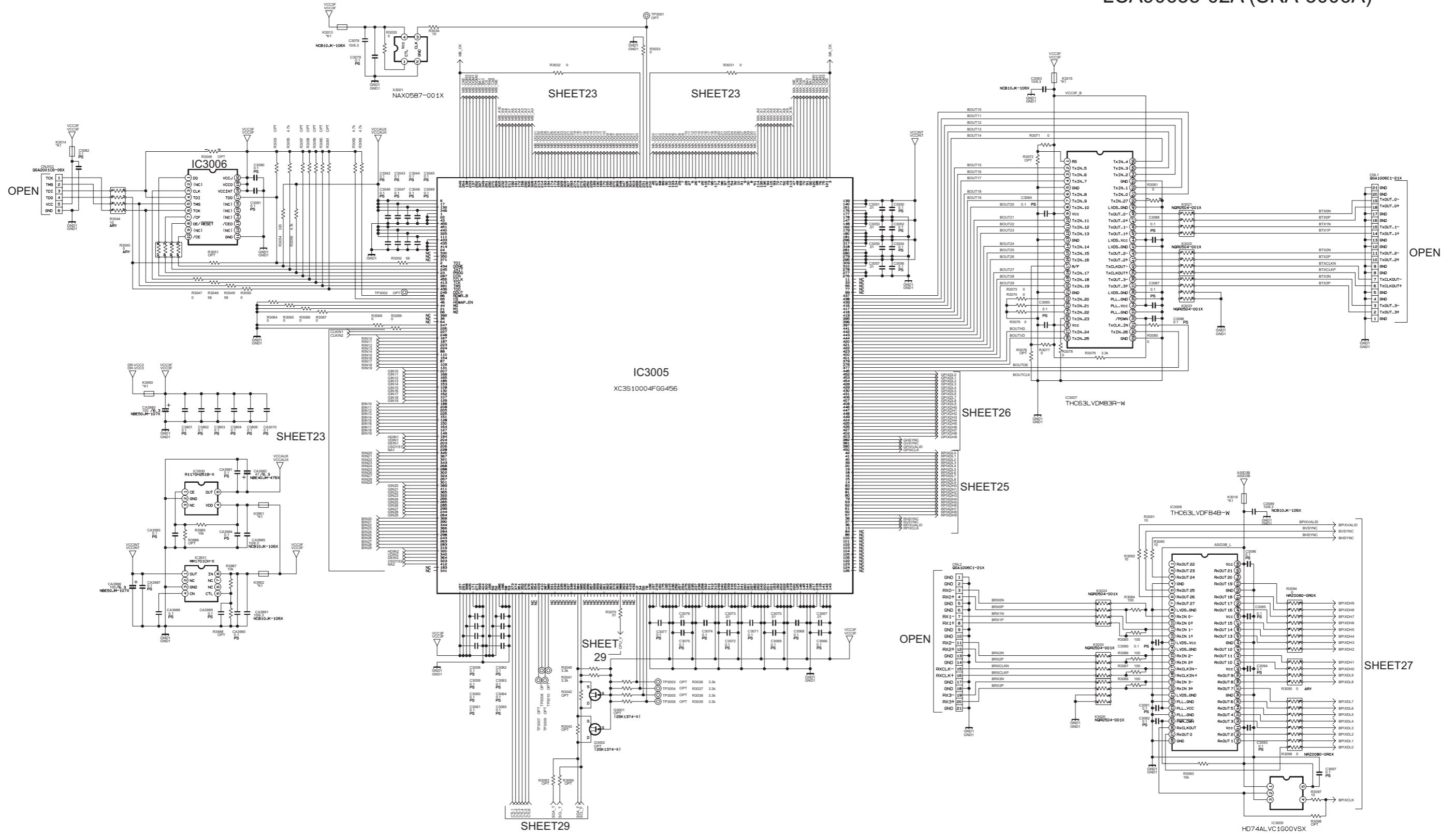
ATSC TUNER
MODULE PWB

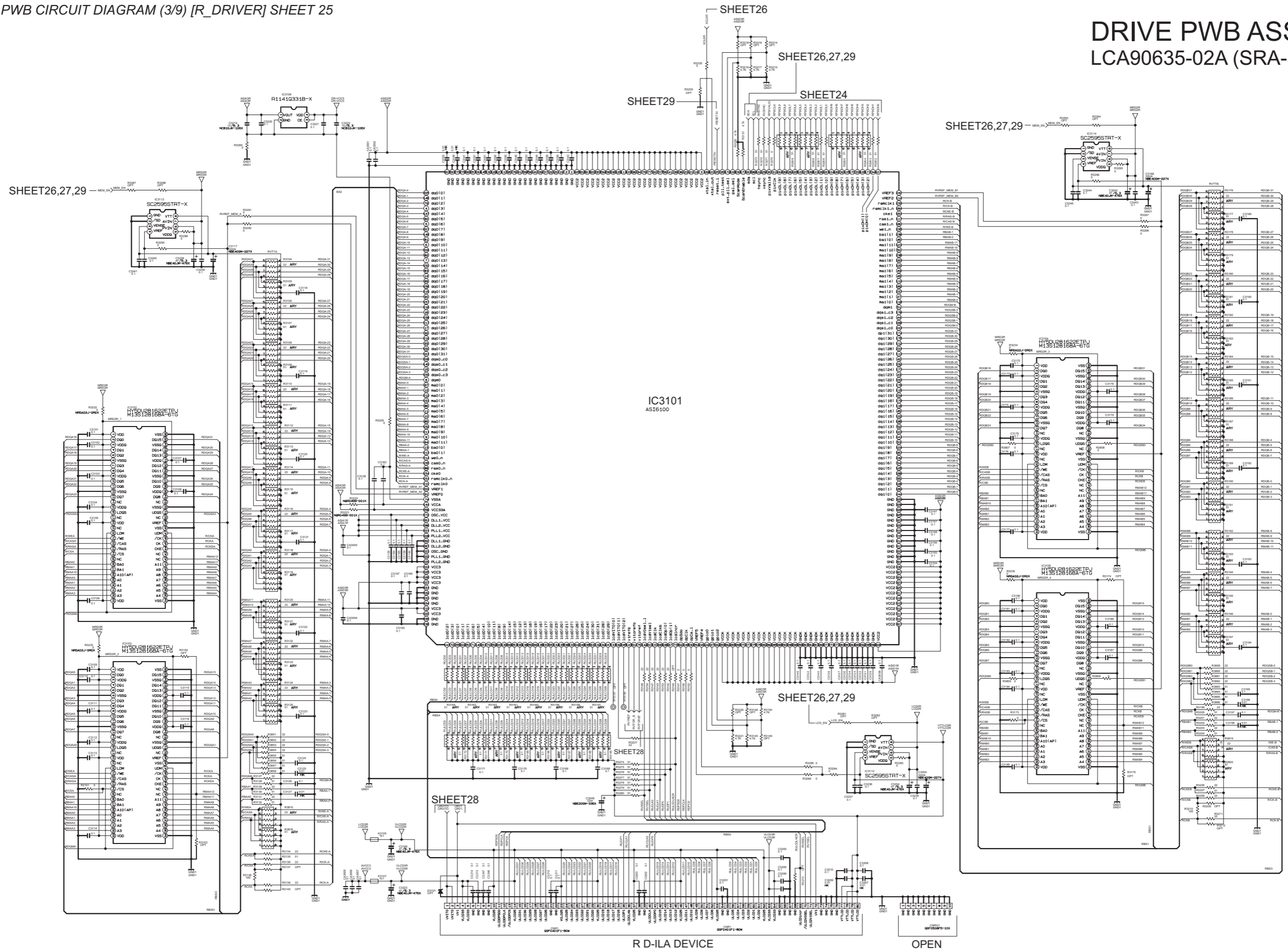


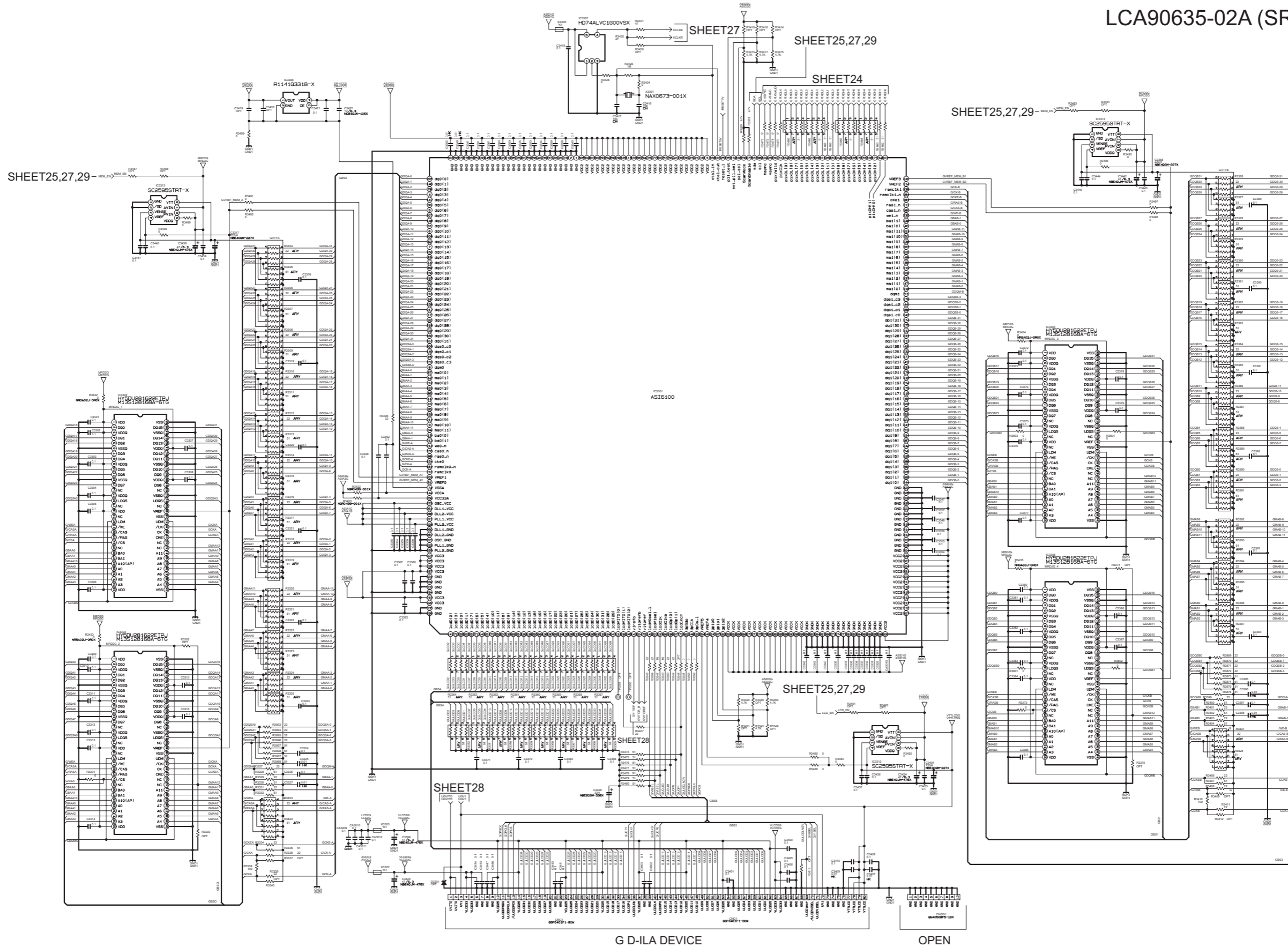
SHEET9,21 - CEC_INT

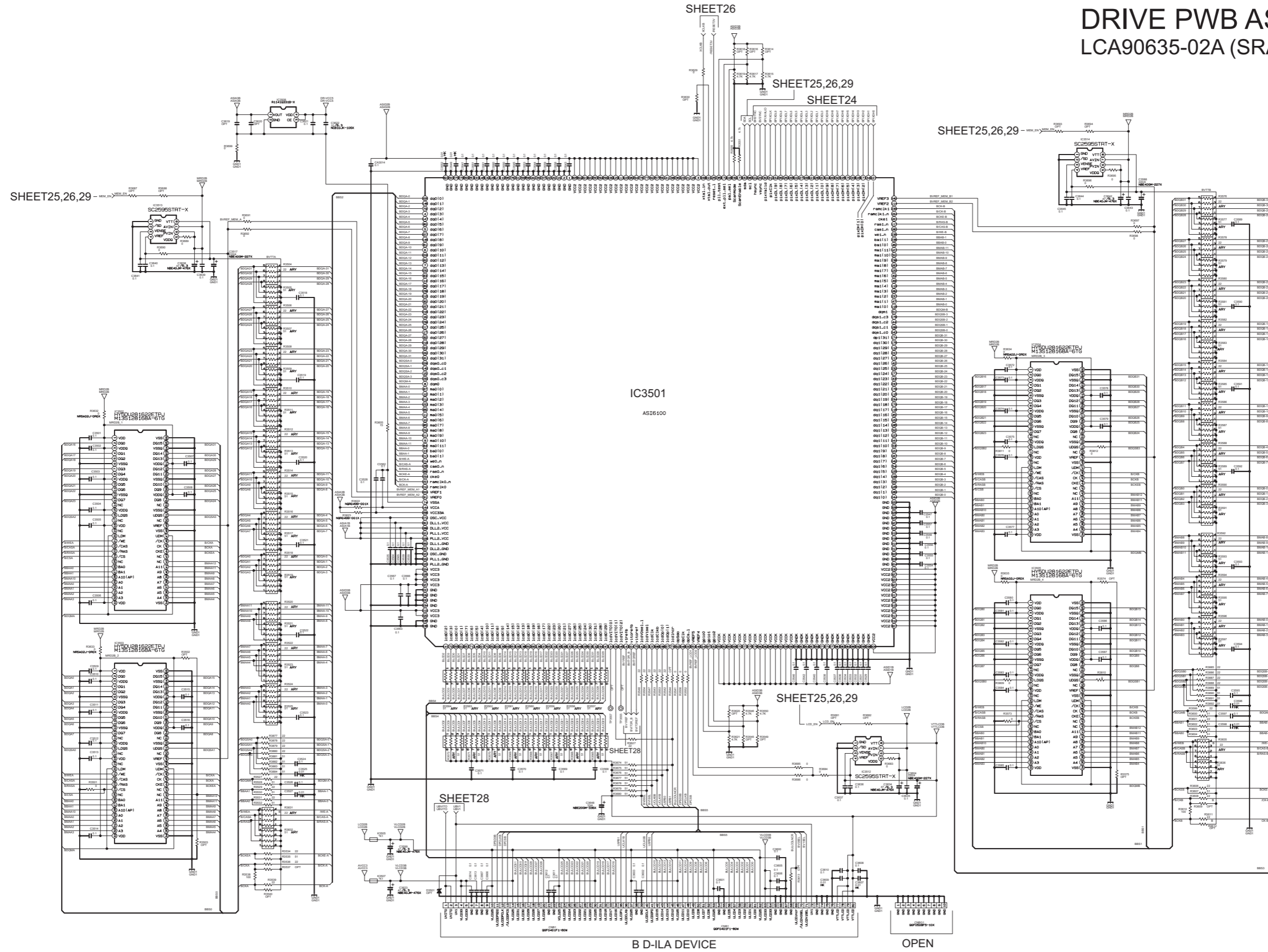
- TVLNKOUT - SHEET7 SHEET16,21
- MI_REG - SHEET7 SHEET16,18
- TVLNKIN - SHEET21 SHEET7,12,19,21
- RES_RST - SHEET21 SHEET16,21
- GAM_TND - SHEET7,12,19,21
- GAM_RST - SHEET19,21 SHEET16,21
- MECA_SW - SHEET21 SHEET16,21
- KEY1 - SHEET21 SHEET16,21
- KEY2 - SHEET21 SHEET16,21
- AF11 - SHEET21 SHEET16,21
- MAINCCO2 - SHEET21 SHEET16,21
- CPURST1 - SHEET15,21
- MI_OSDV8 - SHEET12,17,21 SHEET12,21
- MI_OSDY4 - SHEET12,17,21 SHEET12,21
- TEXT_FR - SHEET7
- TEXT_FD - SHEET7
- TEXT_FB - SHEET7
- FBIN - SHEET11
- FBOUT - SHEET11
- SDAM - SHEET7,9,21
- SCLM - SHEET7,9,21
- DO_OSDH8 - SHEET12,13,21
- DO_OSDH4 - SHEET12 SHEET12,21
- TEXT_H8 - SHEET12 SHEET12,21
- TEXT_V8 - SHEET12 SHEET12,21
- DO_OSDC4 - SHEET12 SHEET12,21
- OSDR1 - SHEET12 SHEET12,21
- OSDR2 - SHEET12 SHEET12,21
- OSDR3 - SHEET12 SHEET12,21
- OSDR4 - SHEET12 SHEET12,21
- OSDR5 - SHEET12 SHEET12,21
- OSDR6 - SHEET12 SHEET12,21
- OSDR7 - SHEET12 SHEET12,21
- OSDR8 - SHEET12 SHEET12,21
- OSDR9 - SHEET12 SHEET12,21
- OSDR10 - SHEET12 SHEET12,21
- OSDR11 - SHEET12 SHEET12,21
- OSDR12 - SHEET12 SHEET12,21
- OSDR13 - SHEET12 SHEET12,21
- OSDR14 - SHEET12 SHEET12,21
- OSDR15 - SHEET12 SHEET12,21
- OSDR16 - SHEET12 SHEET12,21
- OSDR17 - SHEET12 SHEET12,21
- OSDR18 - SHEET12 SHEET12,21
- OSDR19 - SHEET12 SHEET12,21
- OSDR20 - SHEET12 SHEET12,21
- OSDR21 - SHEET12 SHEET12,21
- OSDR22 - SHEET12 SHEET12,21
- OSDR23 - SHEET12 SHEET12,21
- OSDR24 - SHEET12 SHEET12,21
- OSDR25 - SHEET12 SHEET12,21
- OSDR26 - SHEET12 SHEET12,21
- OSDR27 - SHEET12 SHEET12,21
- OSDR28 - SHEET12 SHEET12,21
- OSDR29 - SHEET12 SHEET12,21
- OSDR30 - SHEET12 SHEET12,21
- OSDR31 - SHEET12 SHEET12,21
- OSDR32 - SHEET12 SHEET12,21
- OSDR33 - SHEET12 SHEET12,21
- OSDR34 - SHEET12 SHEET12,21
- OSDR35 - SHEET12 SHEET12,21
- OSDR36 - SHEET12 SHEET12,21
- OSDR37 - SHEET12 SHEET12,21
- OSDR38 - SHEET12 SHEET12,21
- OSDR39 - SHEET12 SHEET12,21
- OSDR40 - SHEET12 SHEET12,21
- OSDR41 - SHEET12 SHEET12,21
- OSDR42 - SHEET12 SHEET12,21
- OSDR43 - SHEET12 SHEET12,21
- OSDR44 - SHEET12 SHEET12,21
- OSDR45 - SHEET12 SHEET12,21
- OSDR46 - SHEET12 SHEET12,21
- OSDR47 - SHEET12 SHEET12,21
- OSDR48 - SHEET12 SHEET12,21
- OSDR49 - SHEET12 SHEET12,21
- OSDR50 - SHEET12 SHEET12,21
- OSDR51 - SHEET12 SHEET12,21
- OSDR52 - SHEET12 SHEET12,21
- OSDR53 - SHEET12 SHEET12,21
- OSDR54 - SHEET12 SHEET12,21
- OSDR55 - SHEET12 SHEET12,21
- OSDR56 - SHEET12 SHEET12,21
- OSDR57 - SHEET12 SHEET12,21
- OSDR58 - SHEET12 SHEET12,21
- OSDR59 - SHEET12 SHEET12,21
- OSDR60 - SHEET12 SHEET12,21
- MI_CK - SHEET16,21
- MI_RX - SHEET19,21 SHEET16,22
- MI_TX - SHEET19,21 SHEET16,22
- MI_TL - SHEET21 SHEET16,22
- REMO - SHEET21 SHEET16,22
- WAKE - SHEET21 SHEET16,22
- CPURST2 - SHEET21 SHEET16,22
- POW_GOOD - SHEET7,15,16,18

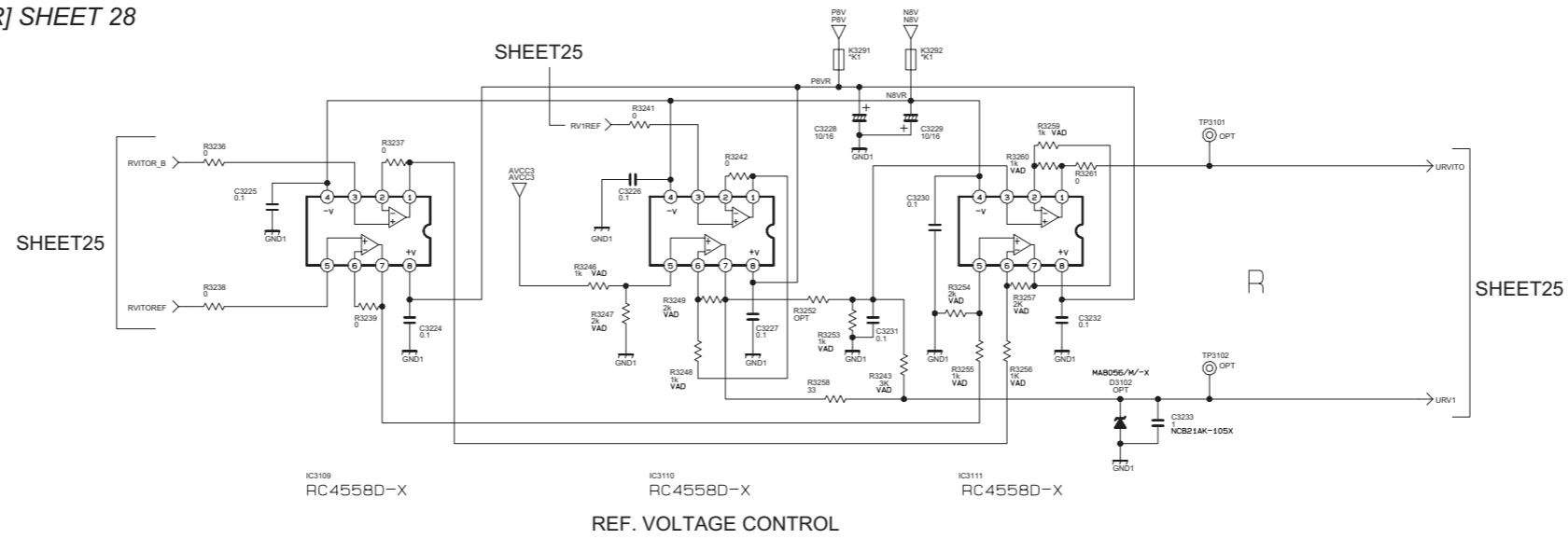
(Micronas micon)



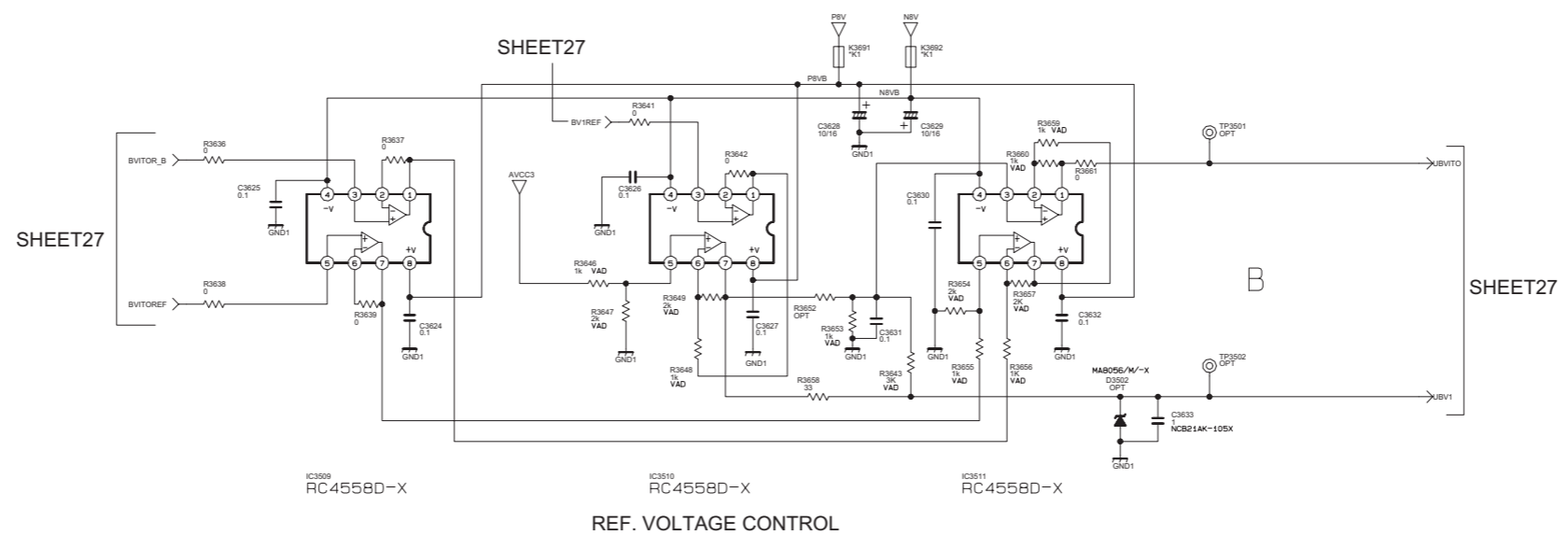
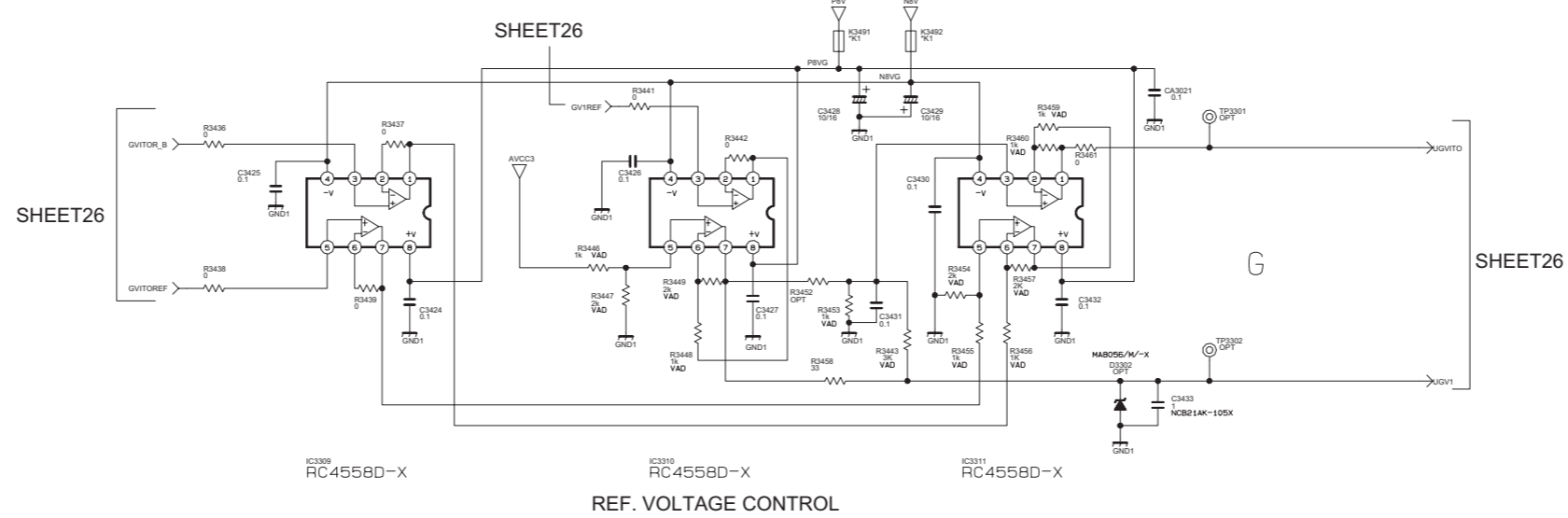






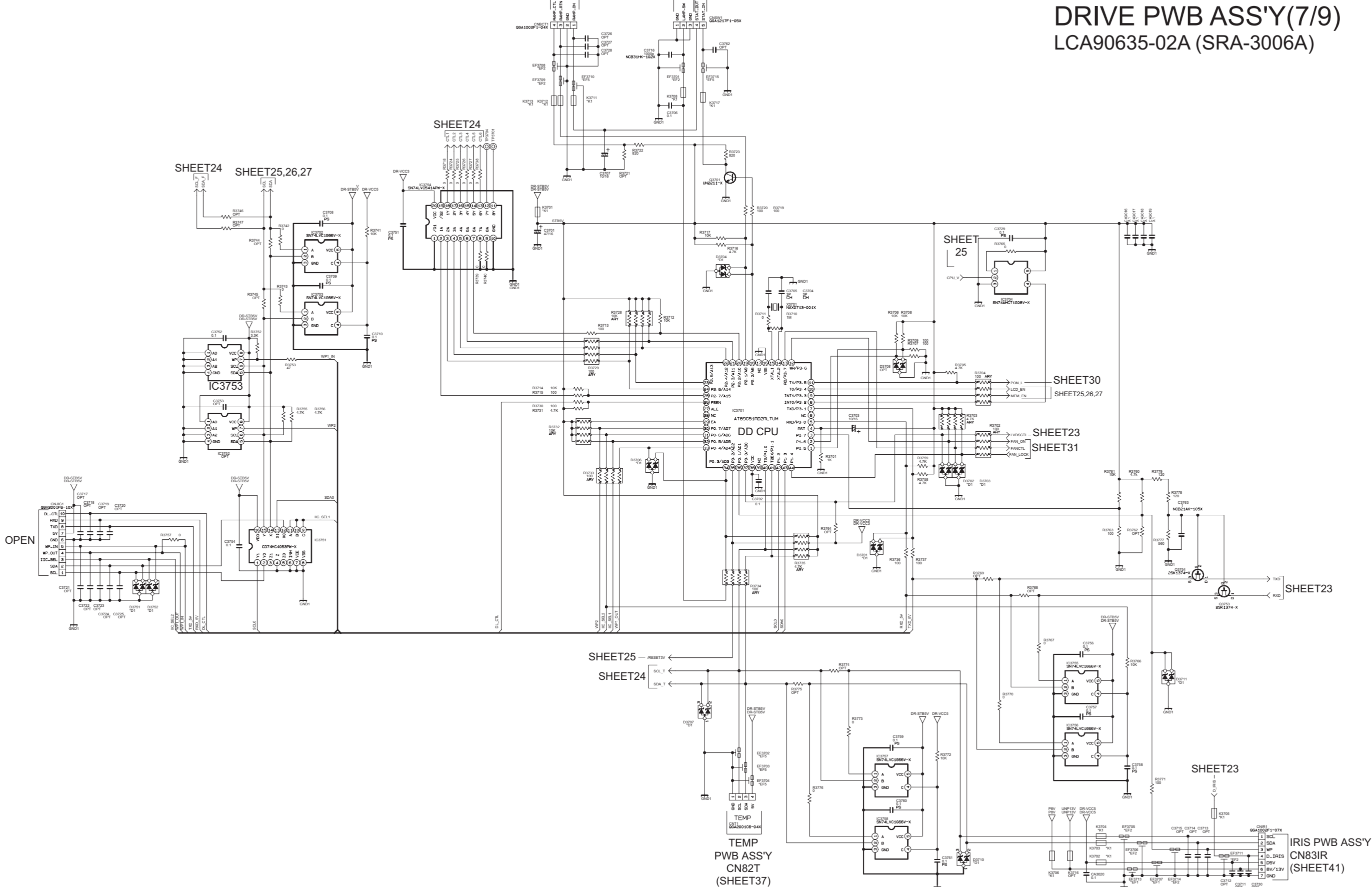


DRIVE PWB ASS'Y(6/9)
LCA90635-02A (SRA-3006A)



DRIVE PWB ASS'Y(7/9)
LCA90635-02A (SRA-3006A)

LAMP COVER SW PWB ASS'Y CN0806 (SHEET38)
LAMP BALLAST UNIT (SHEET24)
LAMP THERMOSTAT

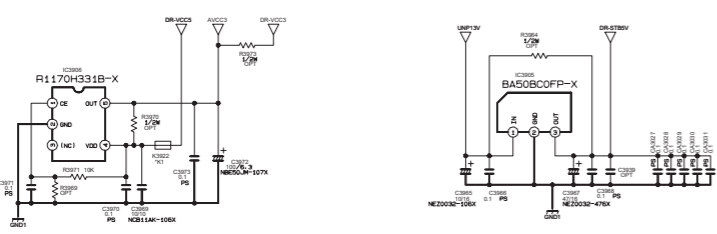
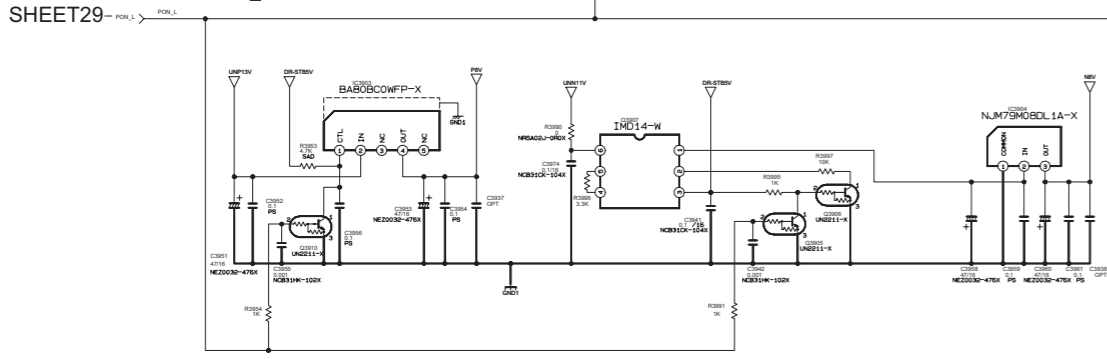
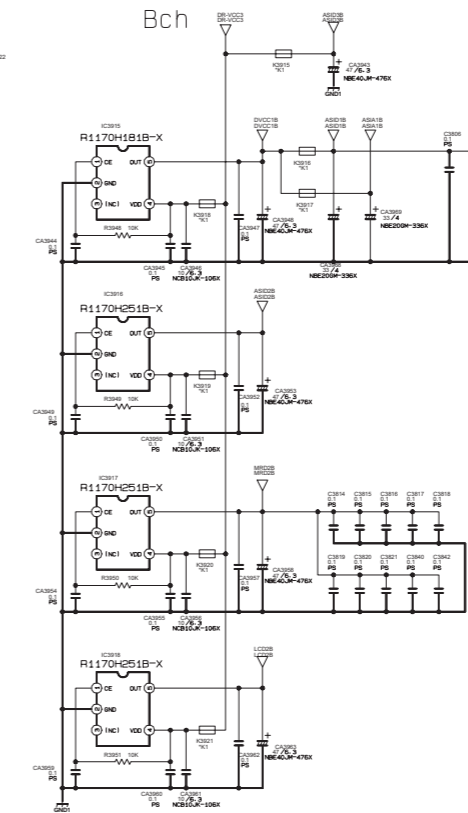
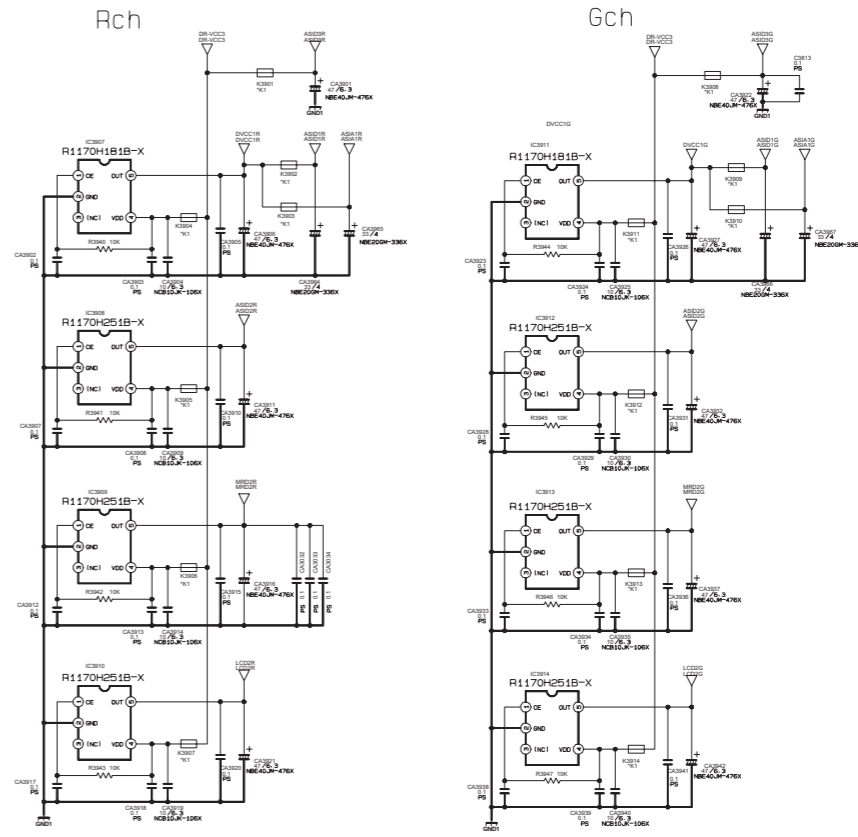
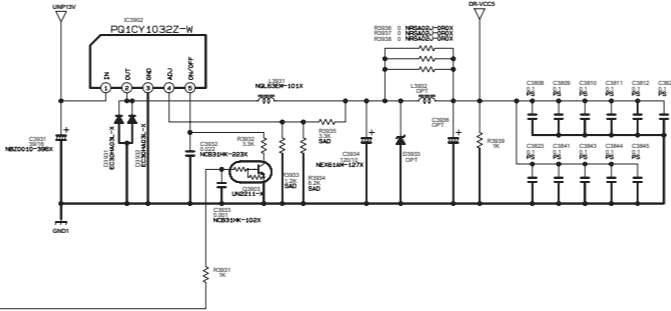
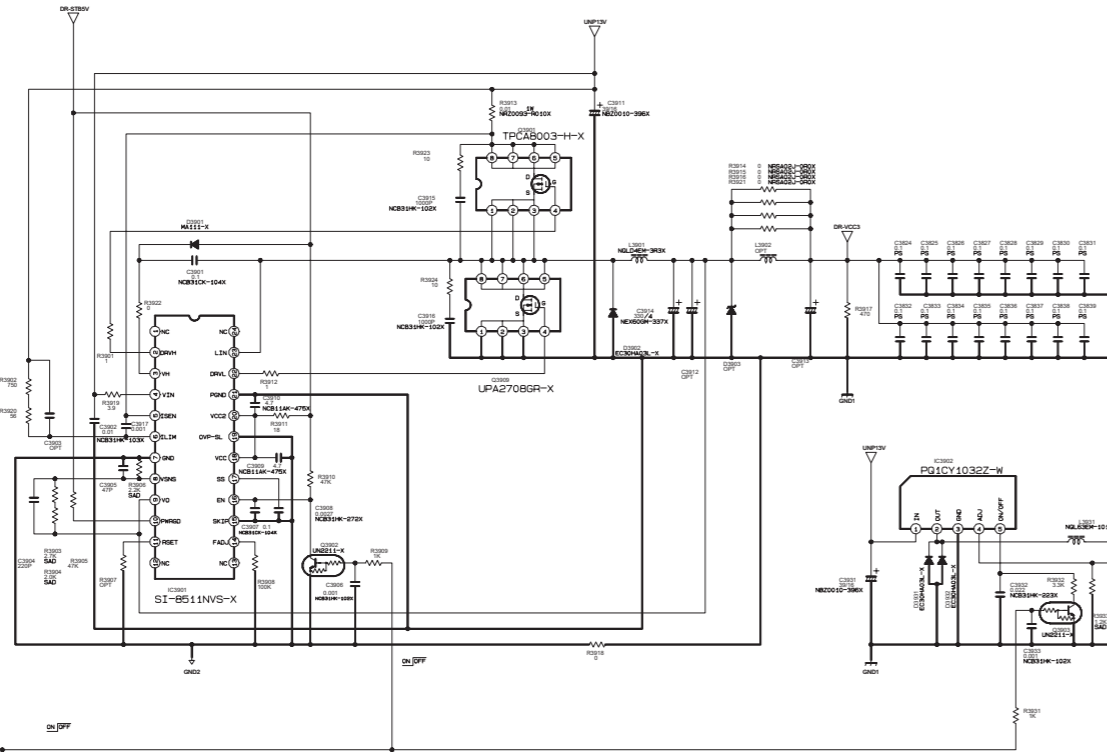
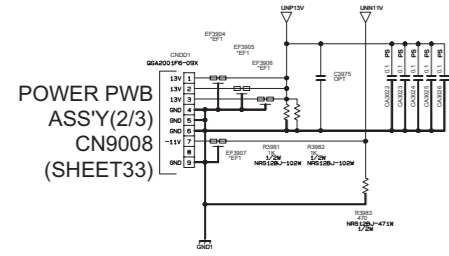


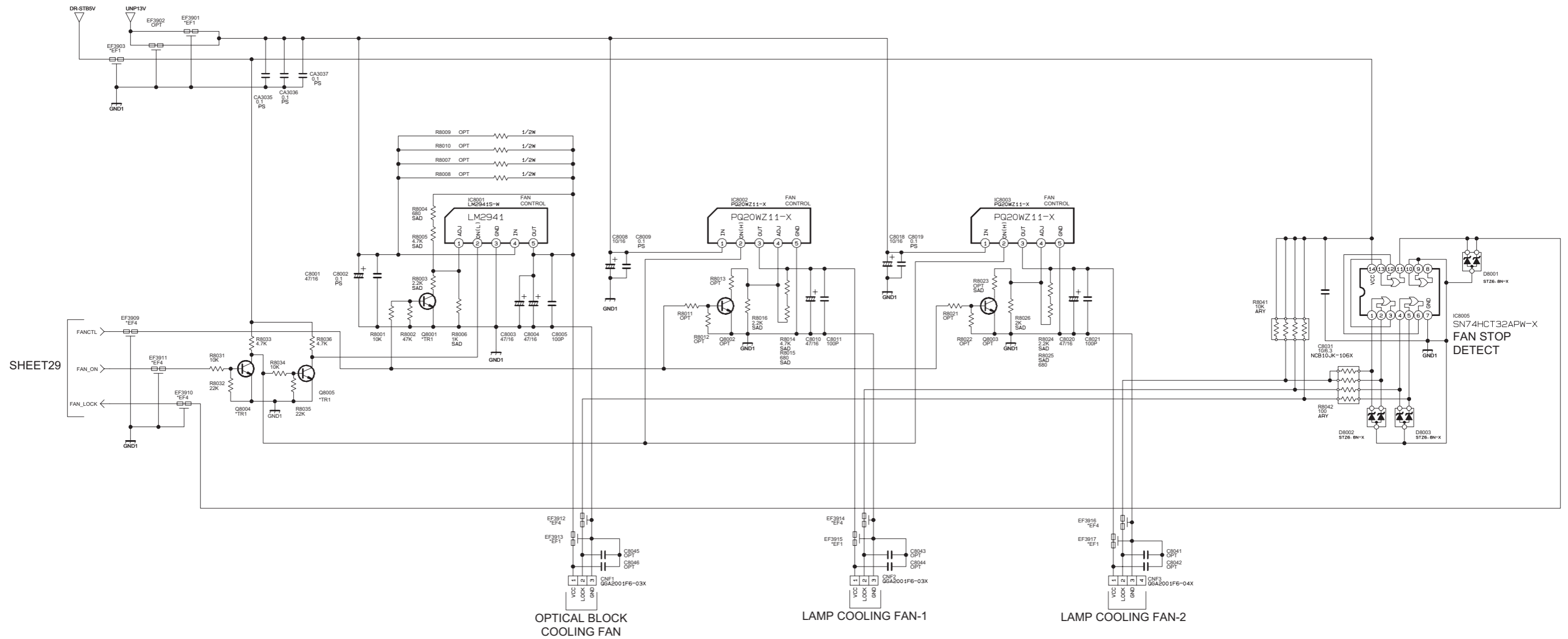
SHEET25 - IRESET3V
SHEET24 - SCL_T
SHEET24 - SDA_T

TEMP PWB ASS'Y CN82T (SHEET37)

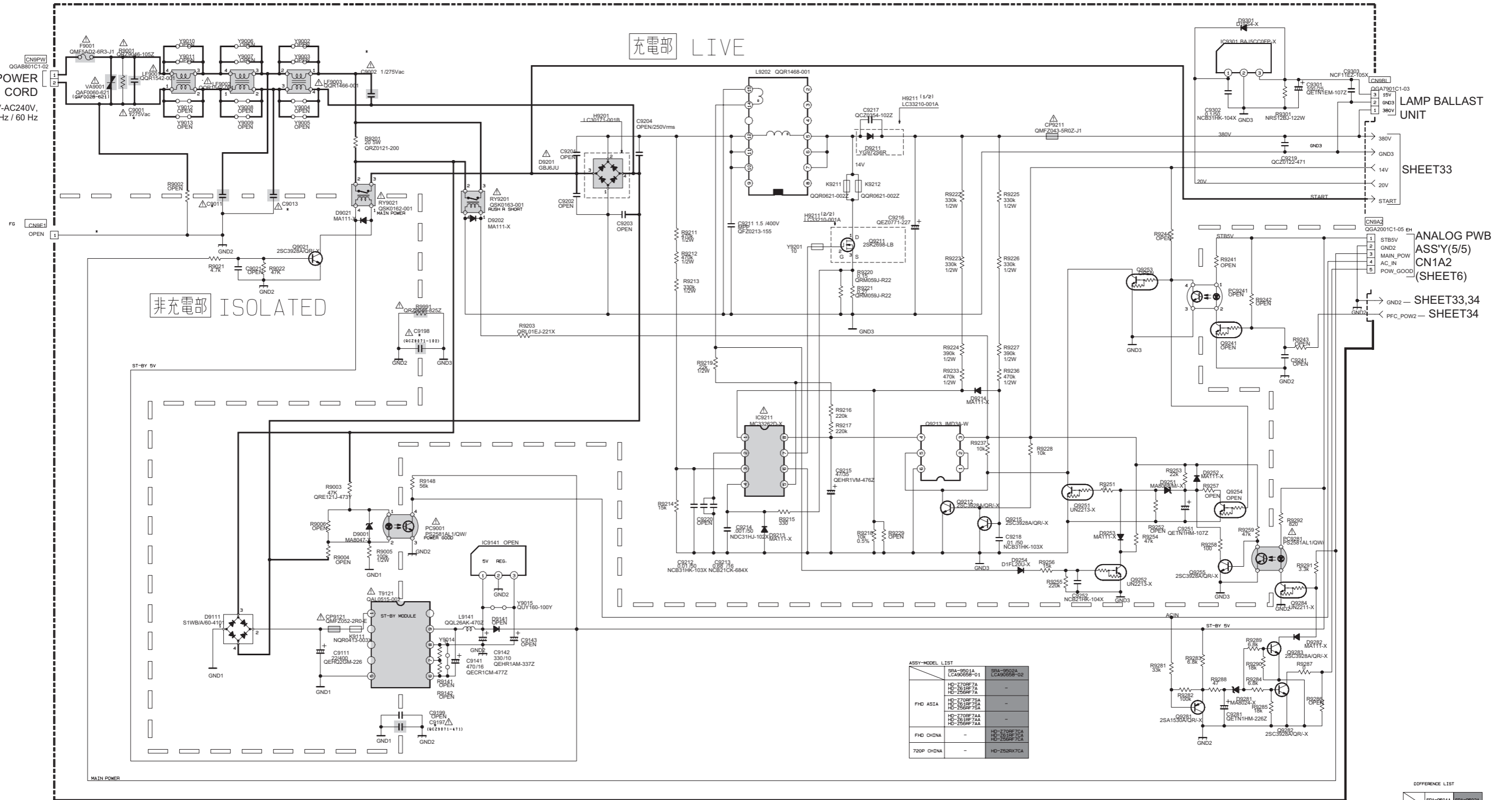
SHEET23
IRIS PWB ASS'Y CN831R (SHEET41)

DRIVE PWB ASS'Y(8/9) LCA90635-02A (SRA-3006A)





SHEET29



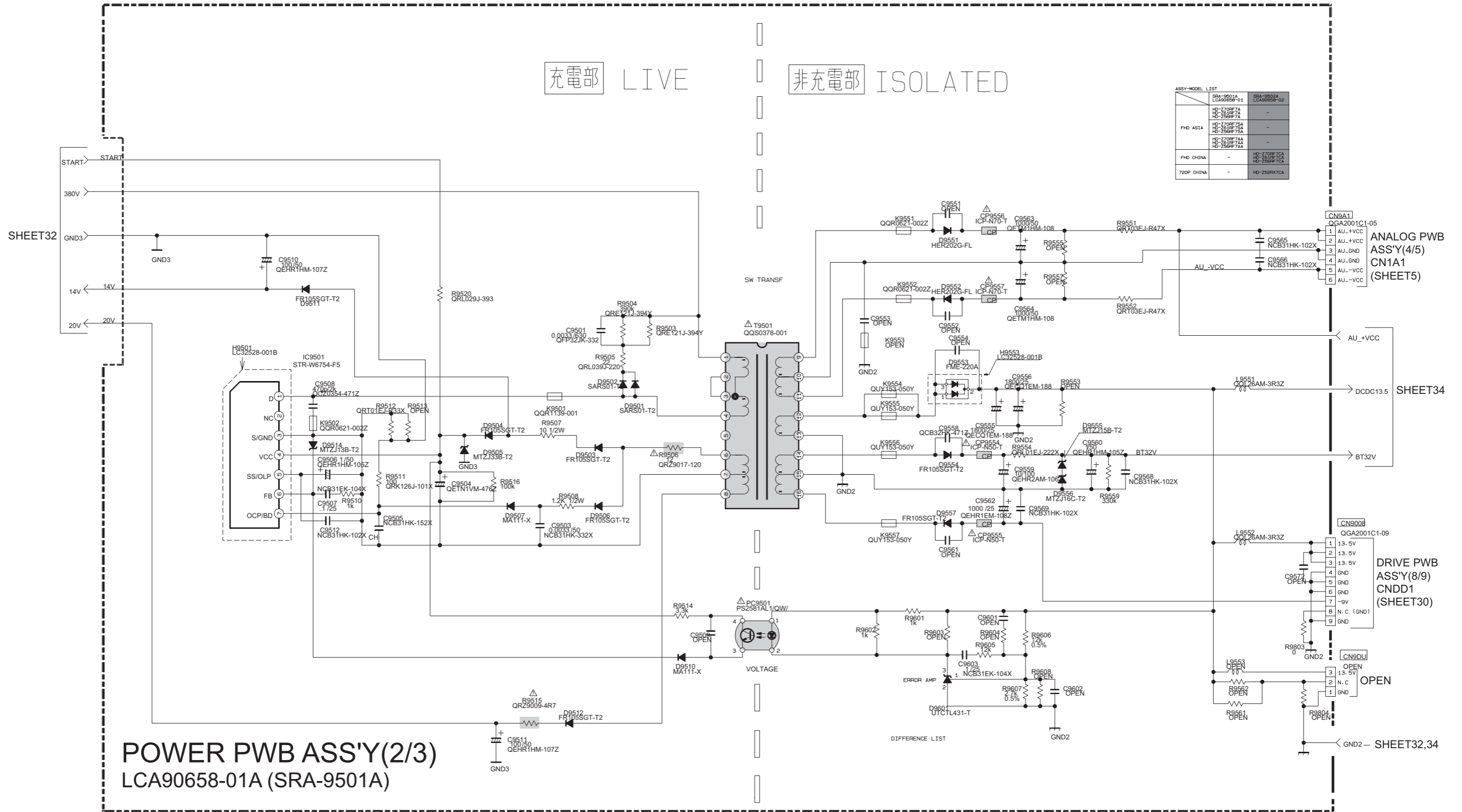
POWER PWB ASS'Y(1/3)
LCA90658-01A (SRA-9501A)

ASSY-MODEL LIST

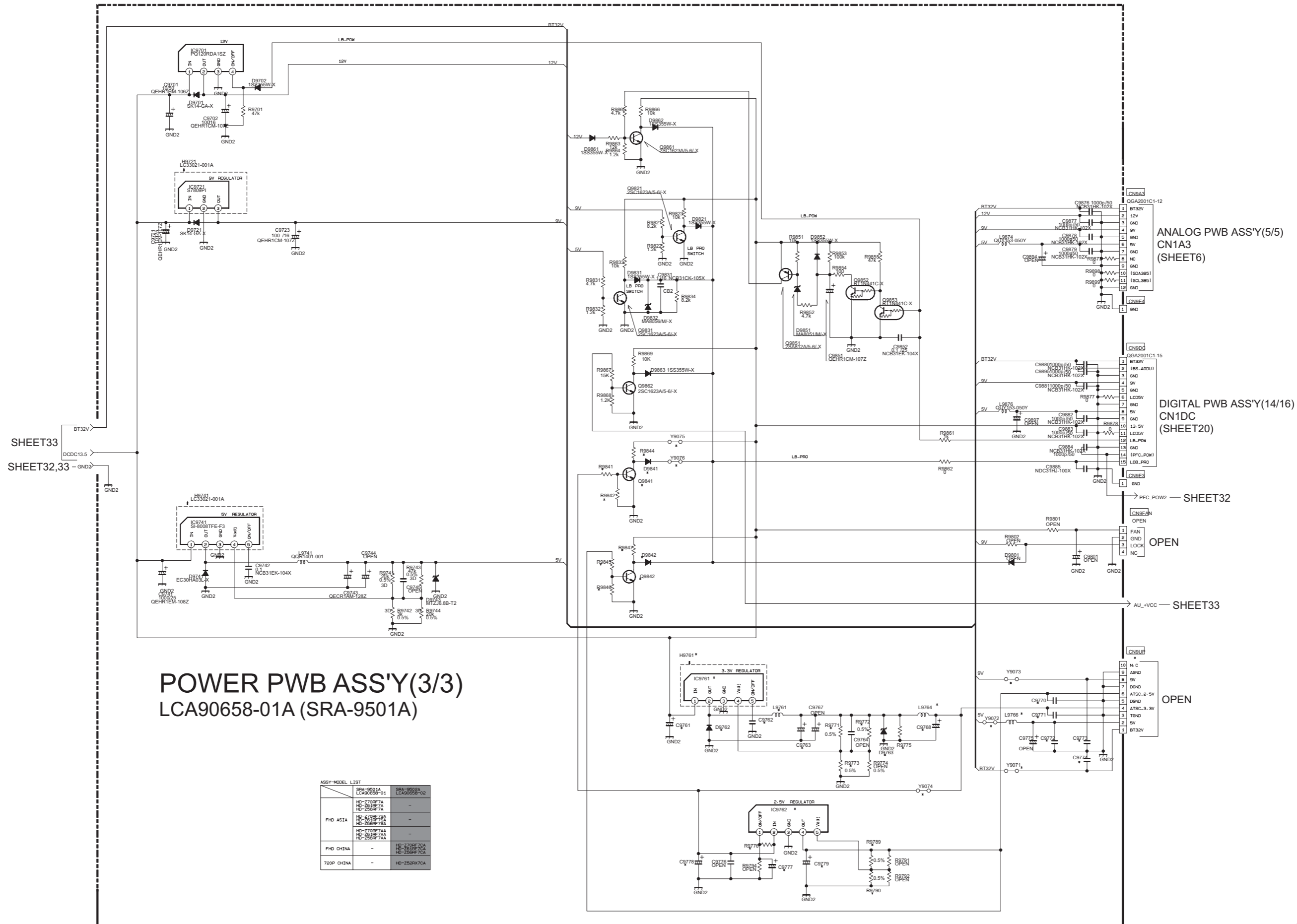
MODEL	SRA-9501A	SRA-9502A
FHD ASIA	HO-770BF7A HO-761RF7A HO-756RF7A	-
FHD CHINA	HO-770BF7AA HO-761RF7AA HO-756RF7AA	-
720P CHINA	HO-770BF7CA HO-761RF7CA HO-756RF7CA	-

DIFFERENCE LIST

MODEL	SRA-9501A	SRA-9502A
C9001	QF29072-102	QF29072-102
C9002	QF29072-224	QF29072-224
C9011	QC29079-102	QC29079-102
C9013	QC29079-102	QC29079-102
C9197	QC29079-102	QC29079-102
C9198	QC29079-102	QC29079-102



POWER PWB ASS'Y(2/3)
LCA90658-01A (SRA-9501A)



POWER PWB ASS'Y(3/3)
LCA90658-01A (SRA-9501A)

ASSY-MODEL LIST

	SRA-9501A LCA90658-01	SRA-9502A LCA90658-02
FHD ASIA	HD-270RF7A HD-261RF7A HD-256RF7A	-
FHD CHINA	HD-270RF7AA HD-261RF7AA HD-256RF7AA	-
720P CHINA	HD-270RF7CA HD-261RF7CA HD-256RF7CA	-

ANALOG PWB ASS'Y(5/5)
CN1A3
(SHEET6)

DIGITAL PWB ASS'Y(14/16)
CN1DC
(SHEET20)

PFC_POW2 — SHEET32

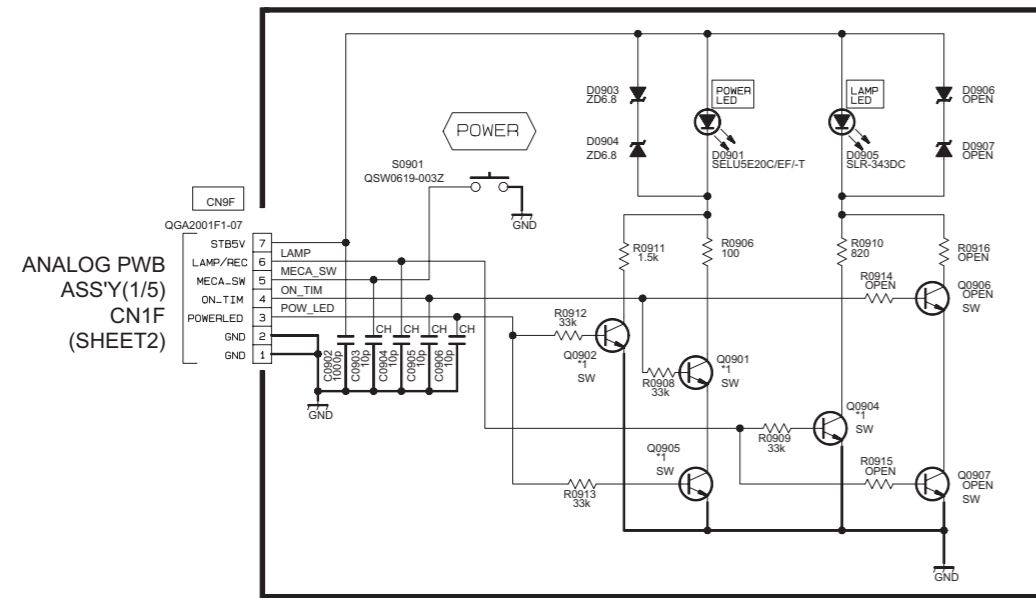
OPEN

AU_VCC — SHEET33

OPEN

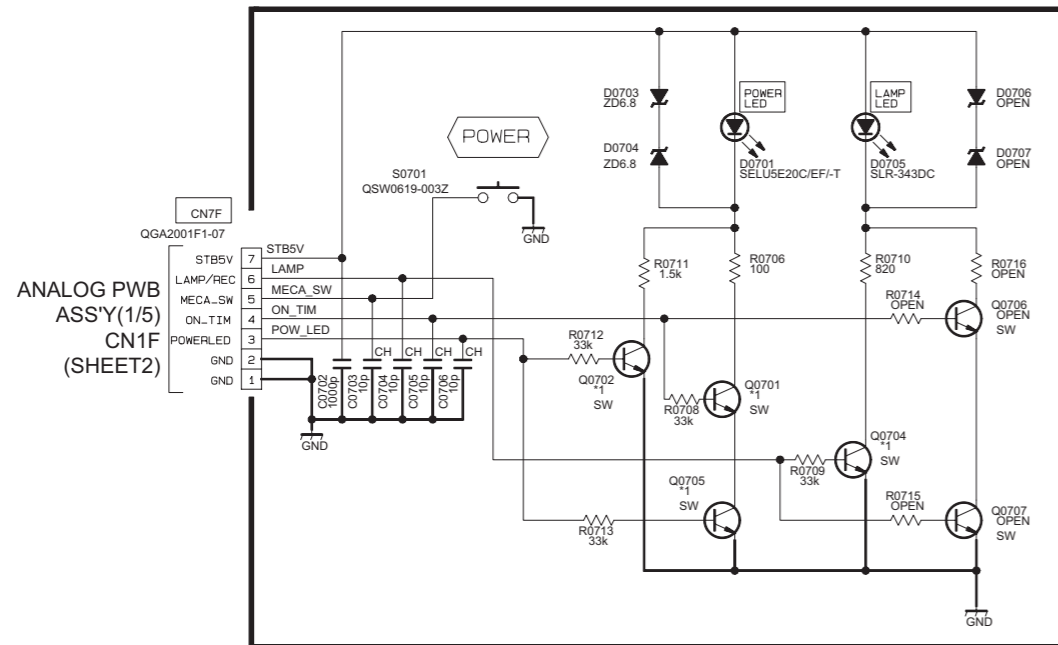
DIFFERENCE LIST

	SRA-9501A	SRA-9502A
OLL10848	OPEN	OLL10848
C9791P	OPEN	OPEN
IC9761	OPEN	OPEN
IC9762	OPEN	OPEN
IC9763	OPEN	OPEN
IC9764	OPEN	OPEN
IC9765	OPEN	OPEN
IC9766	OPEN	OPEN
IC9767	OPEN	OPEN
IC9768	OPEN	OPEN
IC9769	OPEN	OPEN
IC9770	OPEN	OPEN
IC9771	OPEN	OPEN
IC9772	OPEN	OPEN
IC9773	OPEN	OPEN
IC9774	OPEN	OPEN
IC9775	OPEN	OPEN
IC9776	OPEN	OPEN
IC9777	OPEN	OPEN
IC9778	OPEN	OPEN
IC9779	OPEN	OPEN
IC9780	OPEN	OPEN
IC9781	OPEN	OPEN
IC9782	OPEN	OPEN
IC9783	OPEN	OPEN
IC9784	OPEN	OPEN
IC9785	OPEN	OPEN
IC9786	OPEN	OPEN
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IC9898	OPEN	OPEN
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IC9900	OPEN	OPEN



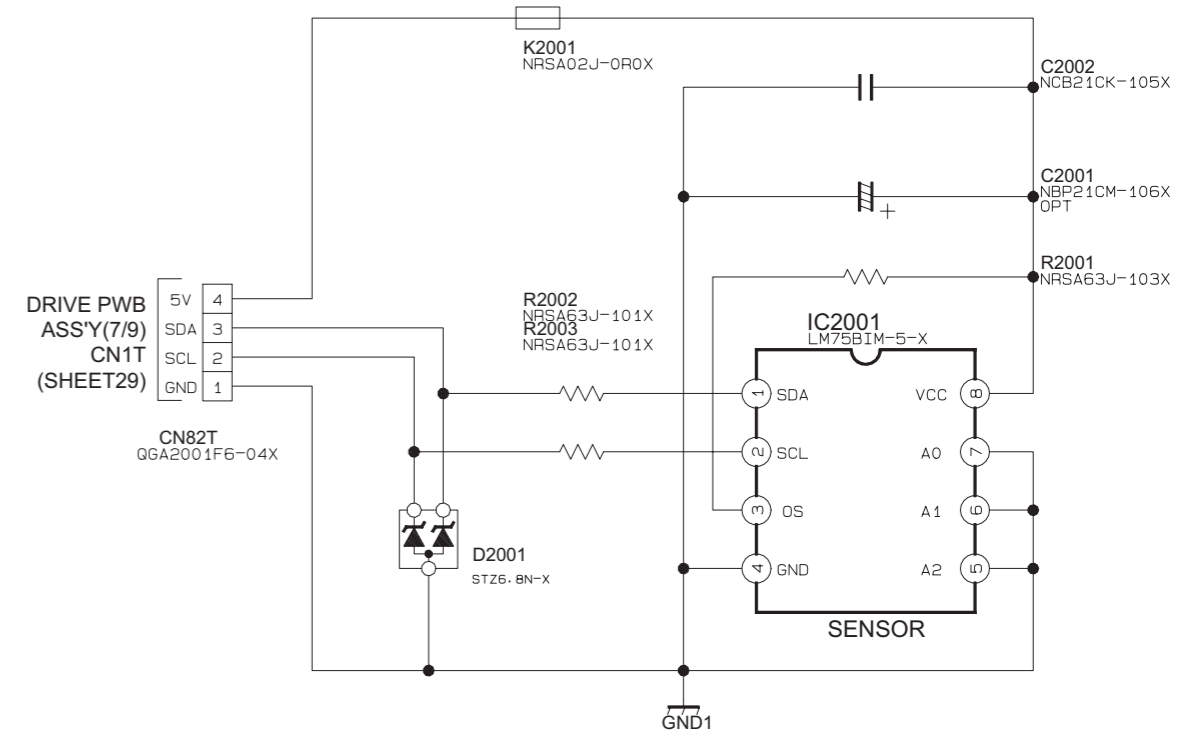
FRONT LED PWB ASS'Y
LCA90660-01A (SRA-0L502A)
 [HD-Z56RF7,HD-Z56RF7/S,HD-Z56RF7/A,
 HD-Z61RF7,HD-Z61RF7/S,HD-Z61RF7/A]

c40095001a001_0822_1/1_0.0



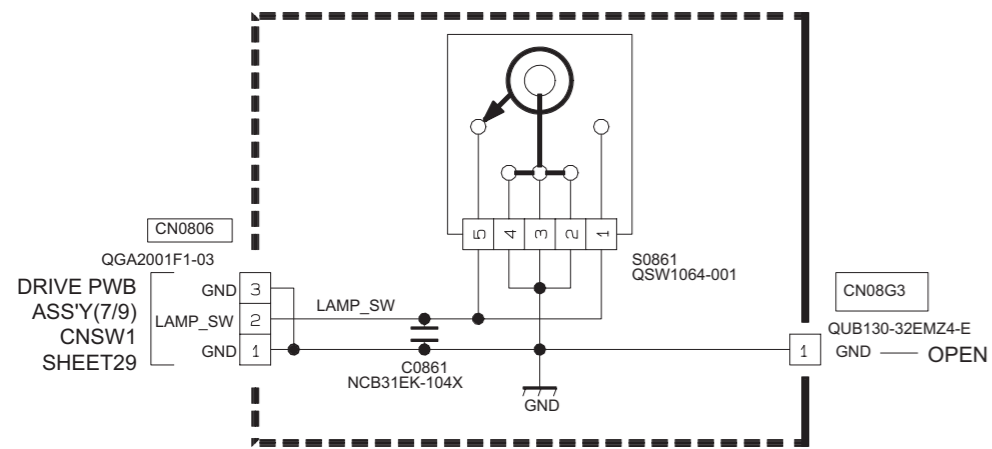
FRONT LED PWB ASS'Y
LCA90659-01A (SRA-0L501A)
 [HD-Z70RF7,HD-Z70RF7/S,HD-Z70RF7/A]

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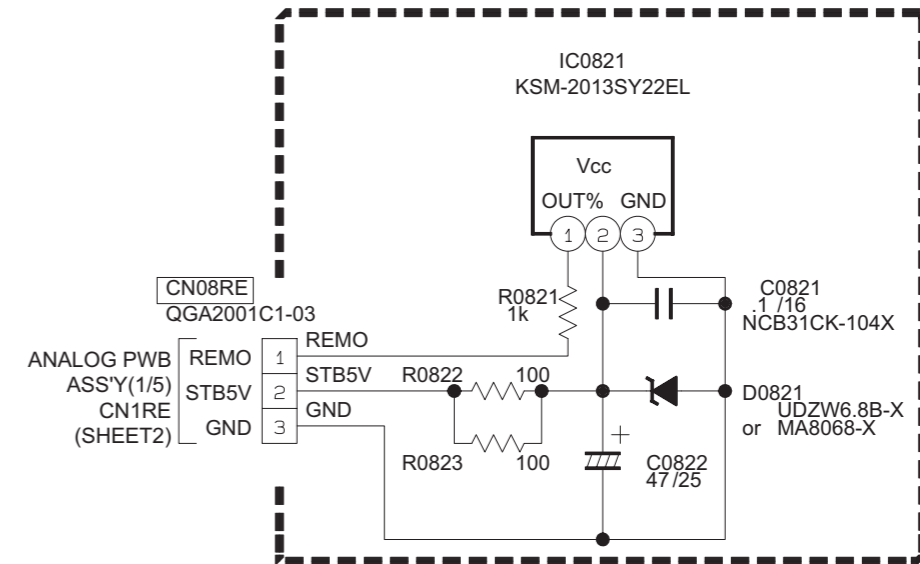


TEMP PWB ASS'Y
LCA90534-03B (SRA-8204A)

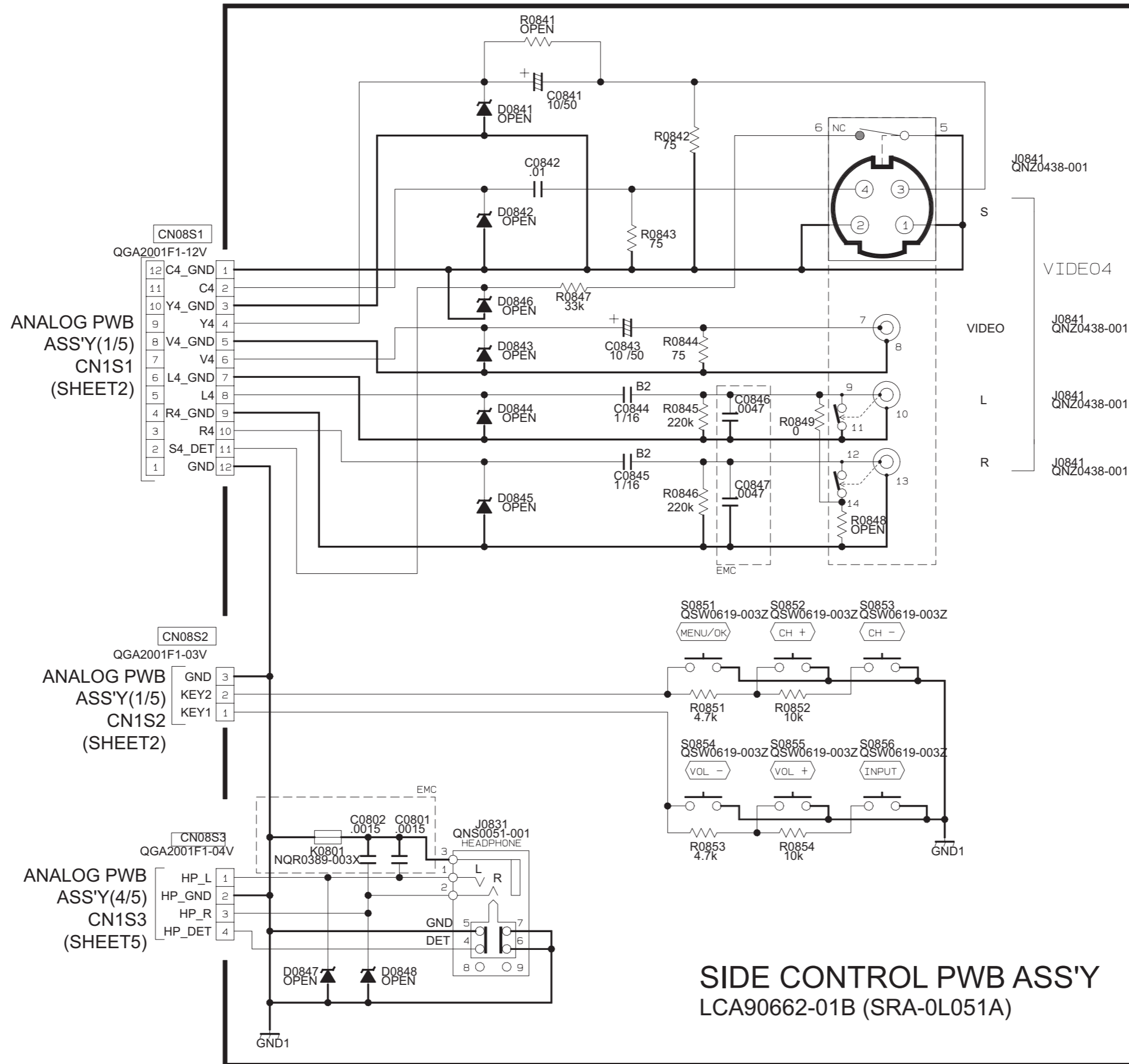
c40078001_0808_1/1_0.0



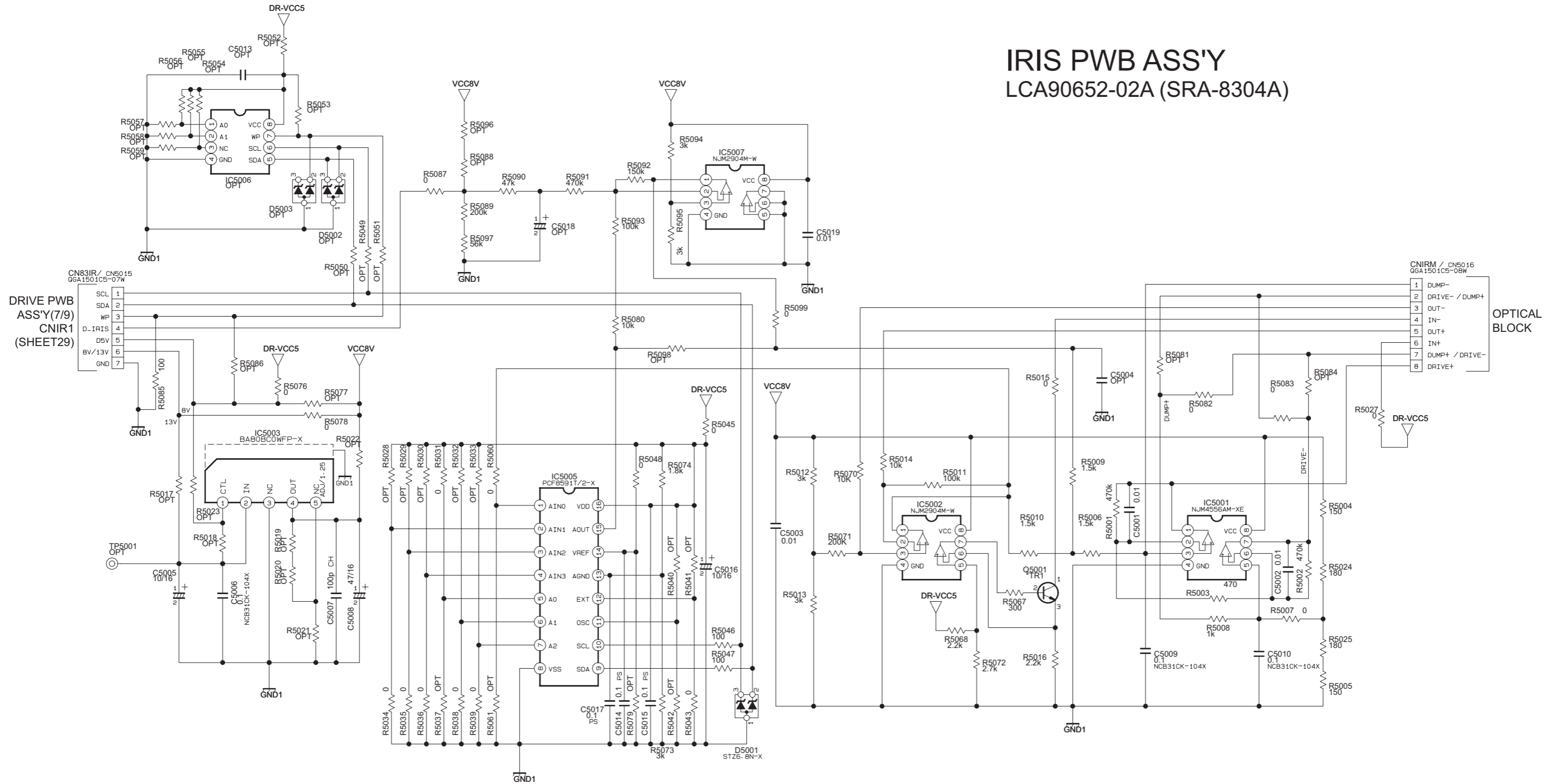
LAMP COVER SW PWB ASS'Y
LCA90661-01A (SRA-0L251A)



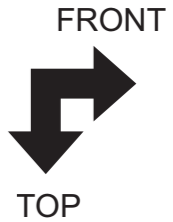
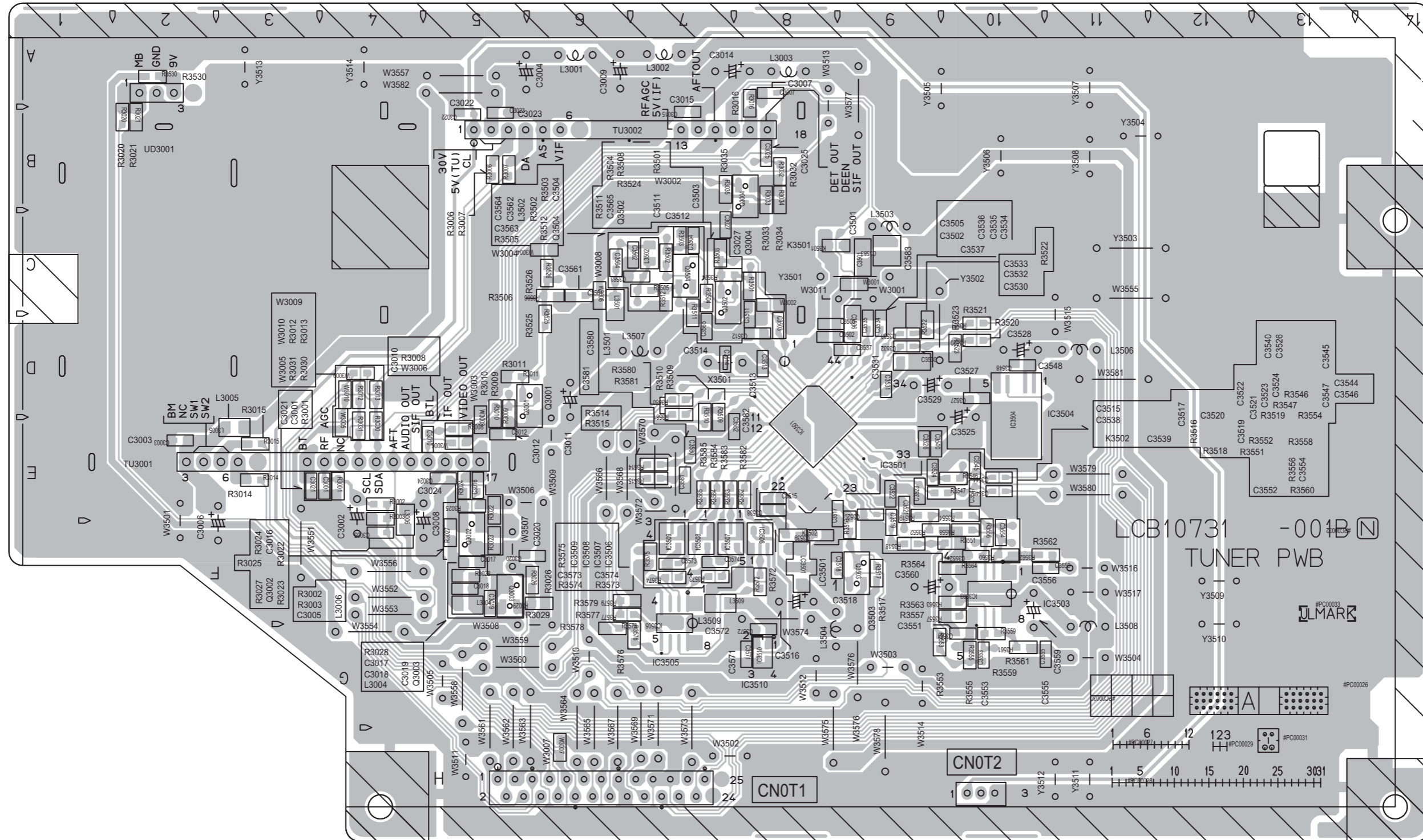
REMOCON PWB ASS'Y
LCA90663-01A (SRA-8051A)

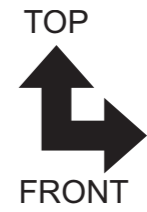
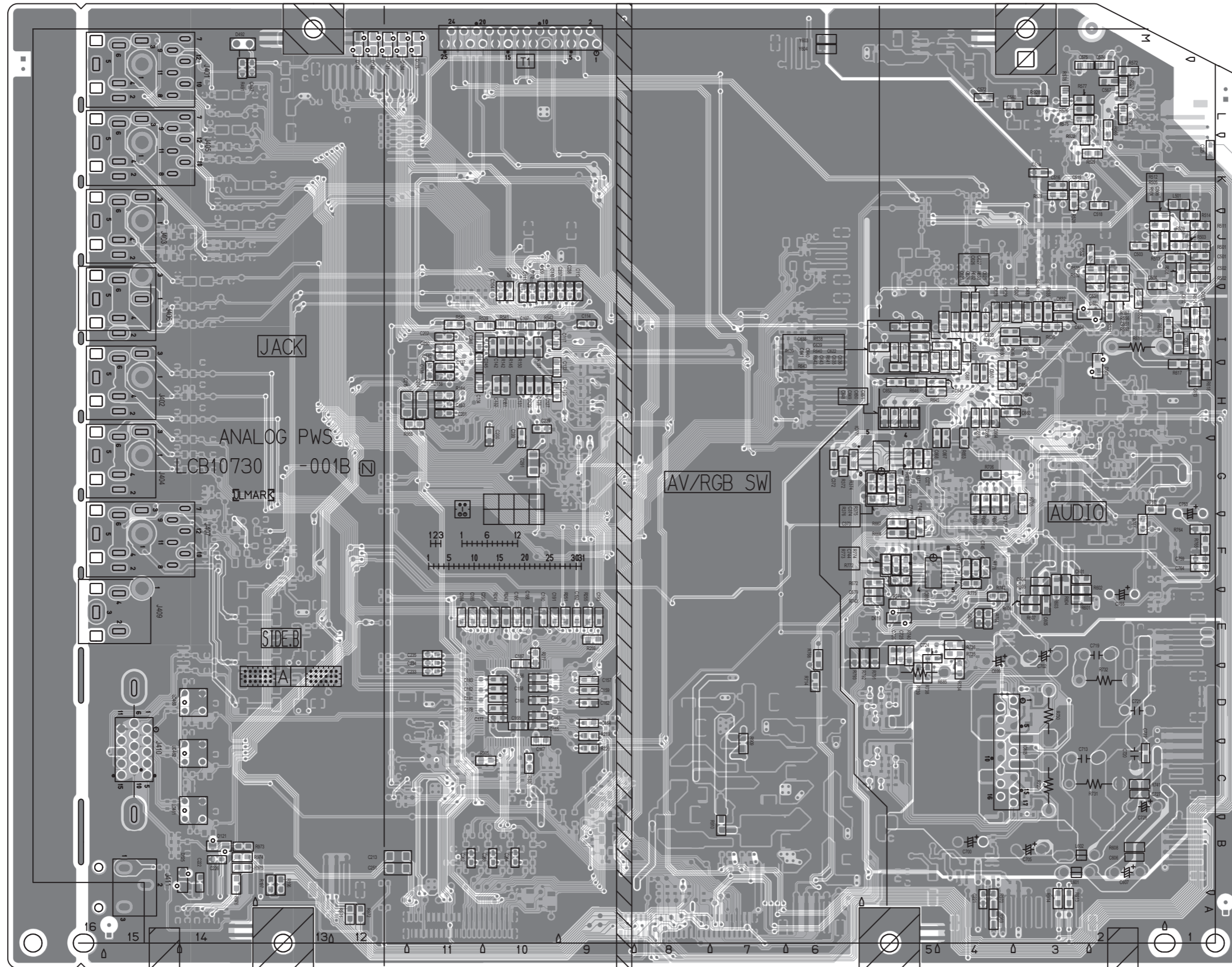


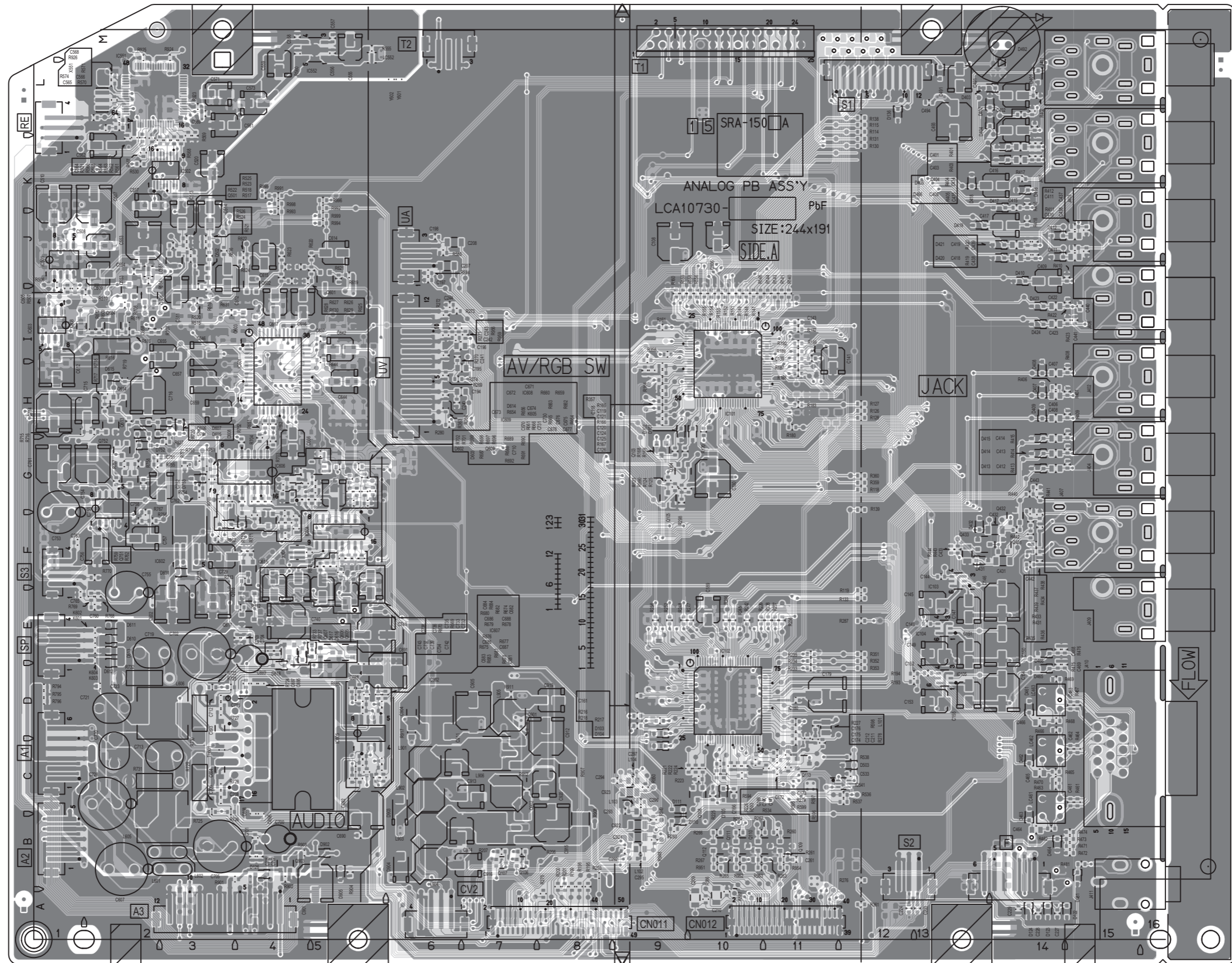
IRIS PWB ASS'Y LCA90652-02A (SRA-8304A)

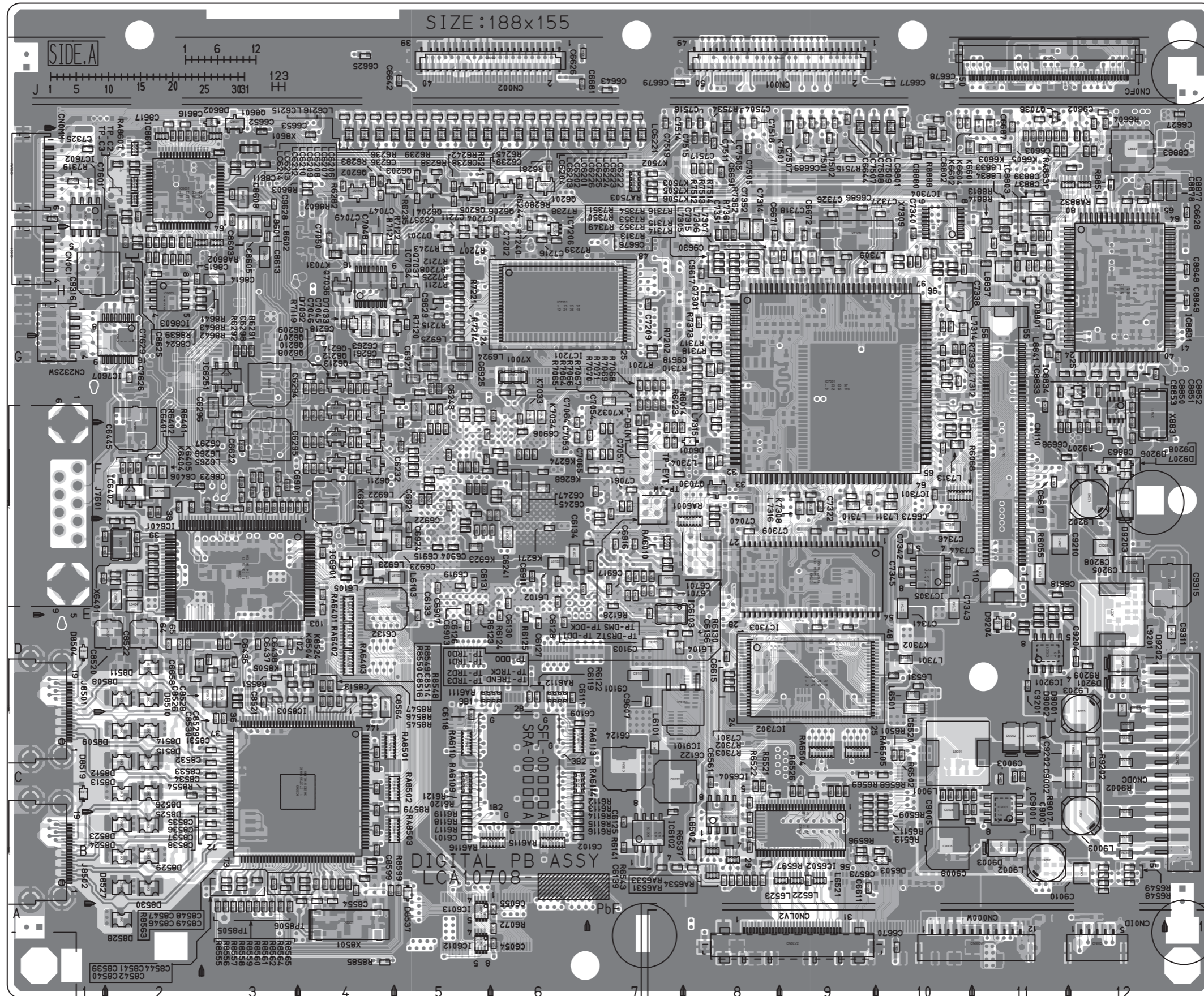


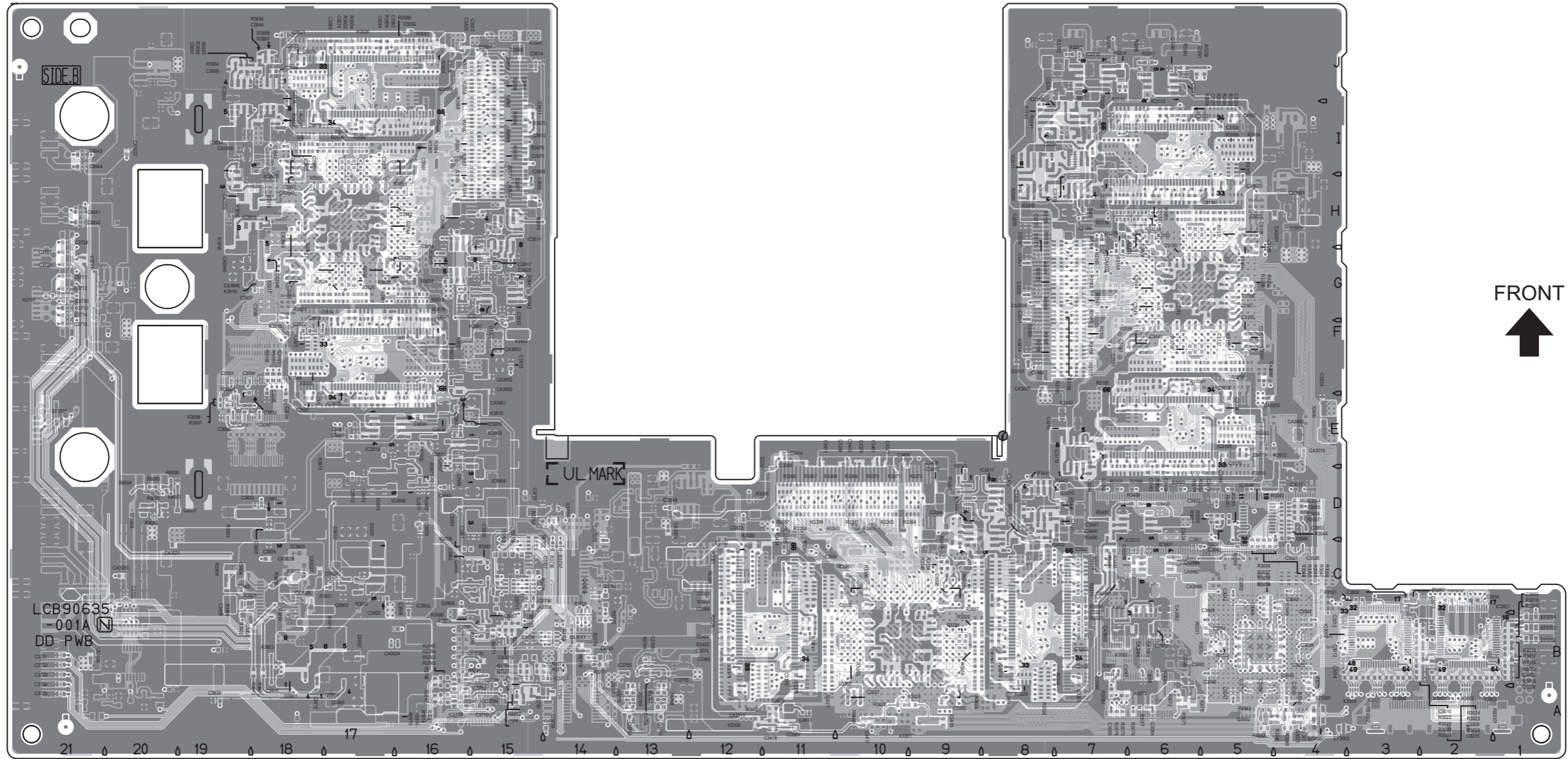
PATTERN DIAGRAMS
TUNER PWB PATTERN



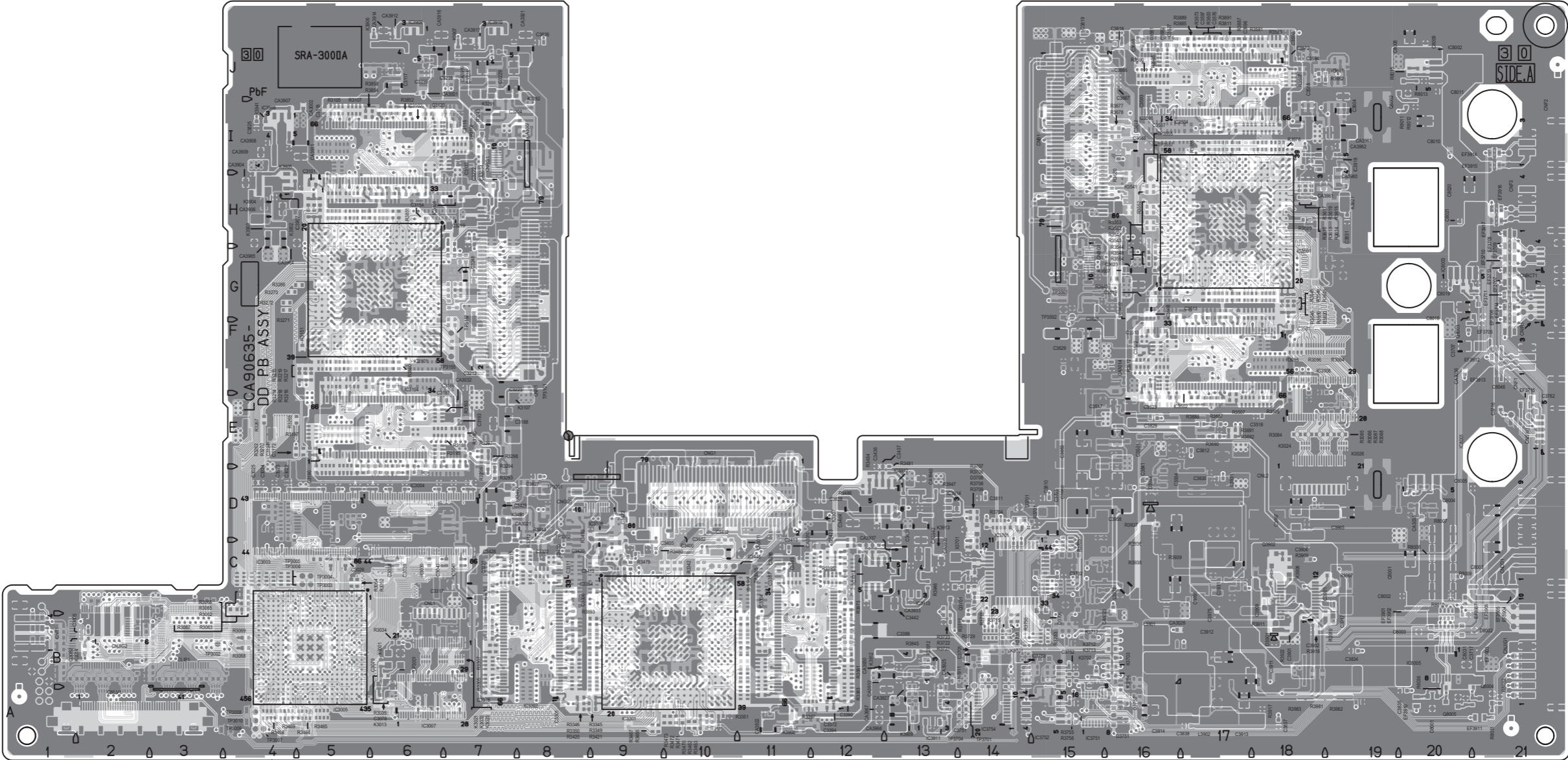


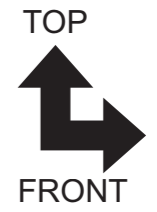
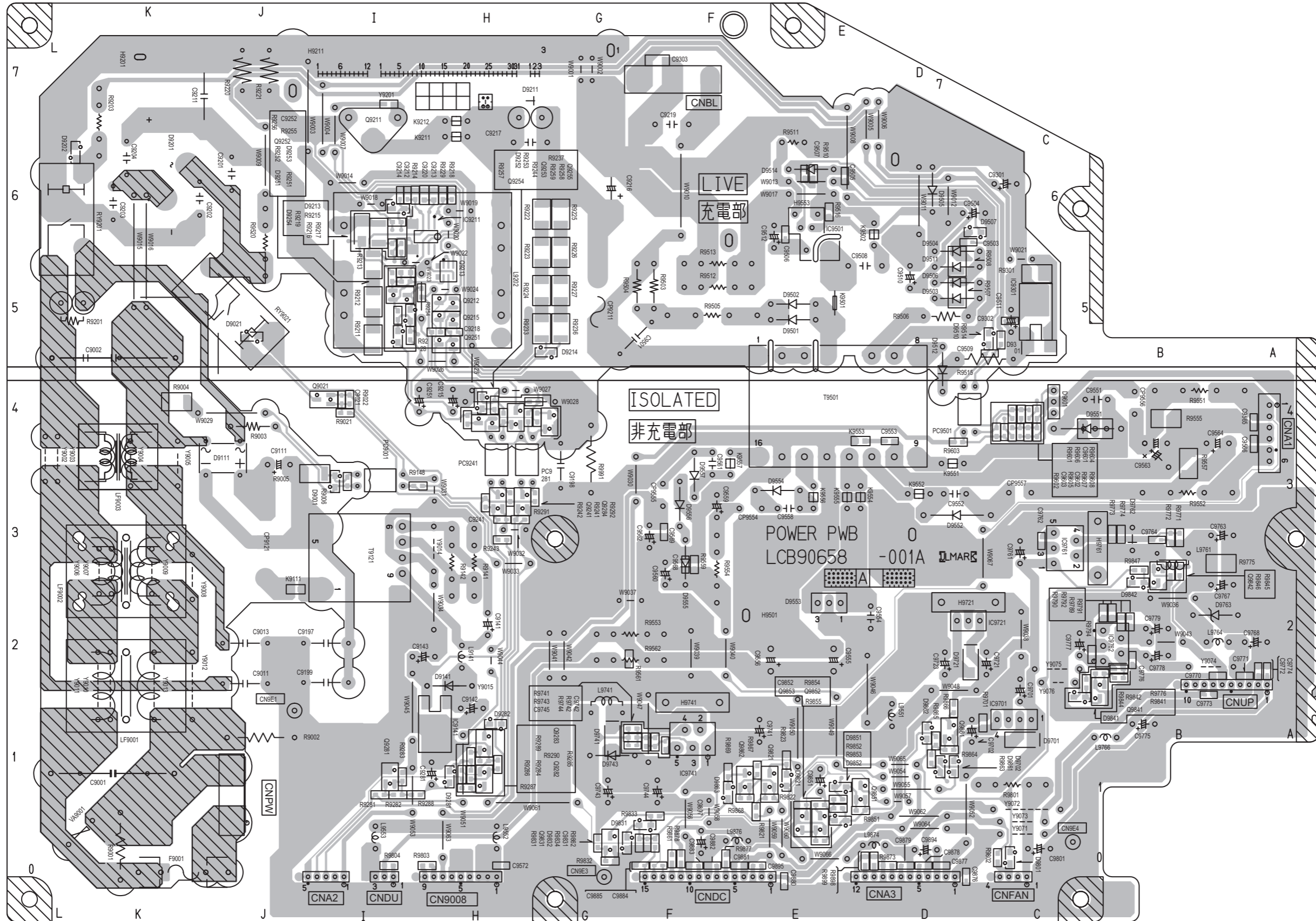




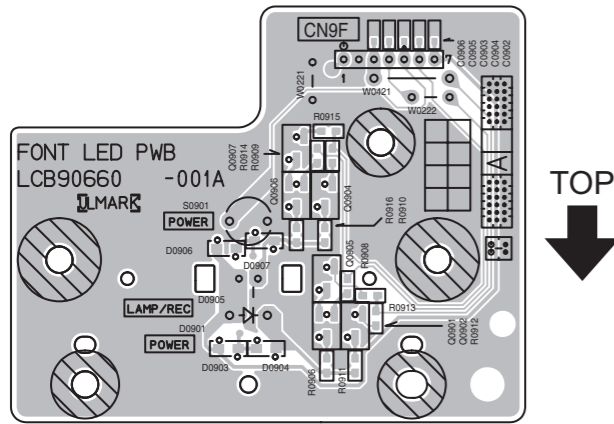


FRONT
↑

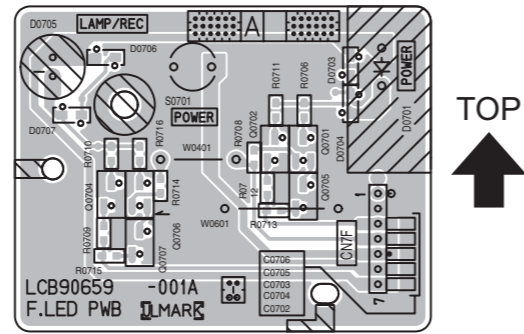




FRONT LED PWB PATTERN
[HD-Z56RF7,HD-Z56RF7/A,HD-Z56RF7/S,
HD-Z61RF7,HD-Z61RF7/A,HD-Z61RF7/S]

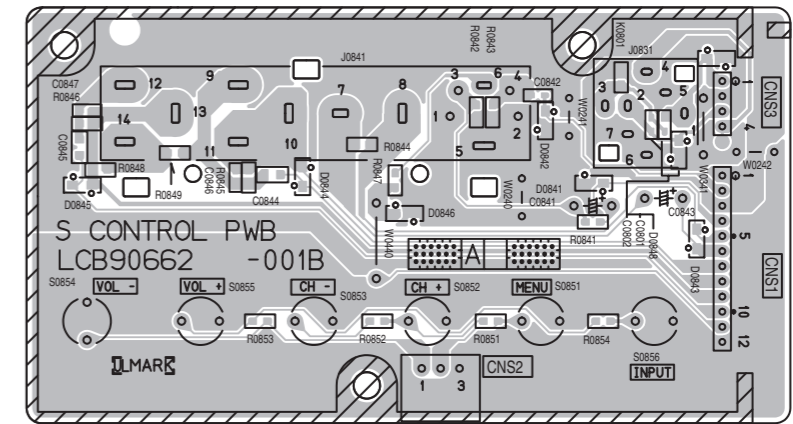


FRONT LED PWB PATTERN
[HD-Z70RF7,HD-Z70RF7/A,HD-Z70RF7/S]



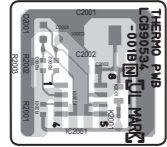
SIDE CONTROL PWB PATTERN

TOP



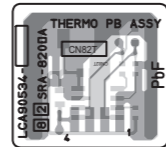
TEMP PWB PATTERN [SOLDER SIDE]

TOP



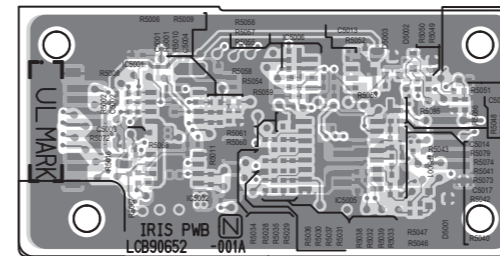
TEMP PWB PATTERN [PARTS SIDE]

TOP



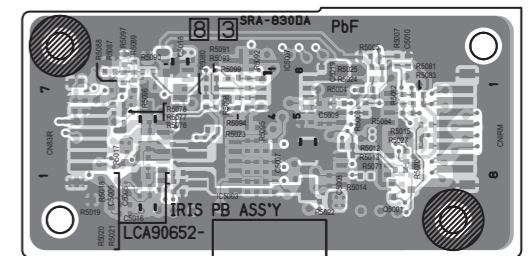
IRIS PWB PATTERN [SOLDER SIDE]

FRONT



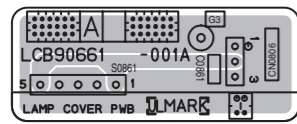
IRIS PWB PATTERN [PARTS SIDE]

FRONT



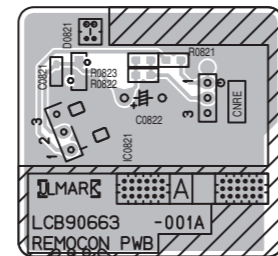
LAMP COVER SW PWB PATTERN

TOP



REMOCON PWB PATTERN

TOP



VOLTAGE CHARTS

<TUNER PWB>	
MODE PIN NO.	DC (V)
IC3501	
1	4.9
2	1.5
3	1.5
4	0
5	2.3
6	2.2
7	NC
8	0
9	2.5
10	2.4
11	4.9
12	4.8
13	4.7
14	2.5
15	0
16	0
17	2.5
18	2.5
19	4.9
20	0
21	NC
22	4.8
23	NC
24	NC
25	0
26	1.5
27	1.6
28	NC
29	0
30	3.6
31	3.6
32	NC
33	7.9
34	6.3
35	0
36	0
37	3.8
38	3.8
39	0
40	3.8
41	3.8
42	2.5
43	3.6
44	0
IC3504	
1	8.9
2	8.9
3	7.8
4	NC
5	0
Q3001	
E	2.1
C	8.9
B	2.7
Q3503	
E	0
C	4.9
B	0
TU3001	
1	NC
2	NC
3	4.7
4	NC
5	0.1
6	4.8
7	8.4
8	3.9
9	NC
10	4.8
11	4.7
12	4.2
13	2.3
14	1.9
15	30.8
16	NC
17	1.8
18	0
19	0
20	0
21	0

MODE PIN NO.	DC (V)
12	4.5
9	0
10	2.4
11	2.2
12	2.4
13	NC
14	NC
15	NC
16	0
17	2.4
18	0
19	2.4
20	0
21	2.4
22	0
23	0
24	0.1
25	5
26	0
27	4
28	3.9
29	0
30	NC
31	6.3
32	NC
33	0
34	NC
35	0
36	1.4
37	1.9
38	NC
39	1.4
40	NC
41	0
42	4.1
43	3.4
44	0
45	1.3
46	2.8
47	2.5
48	2.5
49	3.9
50	6.4
51	4.9
52	NC
53	1.9
54	3
55	2.4
56	NC
57	2.5
58	NC
59	0
60	2.2
61	0
62	2.5
63	2.5
64	2.5
65	2.5
66	2.5
67	2.5
68	2.5
69	0.2
70	2.1
71	NC
72	2.5
73	4.9
74	2.5
75	0
76	0
77	2.1
78	1.4
79	2.8
80	5
81	2.3
82	NC
83	2.8
84	0
85	2.5
86	NC
87	2.5
88	2.2
89	2.1
90	0
91	2.5
92	2.8
93	2.5
94	0.2
95	2.1
96	NC
97	2.5
98	4.8
99	2.5
100	2.5
101	2.5
102	2.5
103	2.5
104	2.5
105	2.5
106	2.5
107	2.5
108	2.5
109	2.5
110	2.5
111	2.5
112	2.5
113	2.5
114	2.5
115	2.5
116	2.5
117	2.5
118	2.5
119	2.5
120	2.5
121	2.5
122	2.5
123	2.5
124	2.5
125	2.5
126	2.5
127	2.5
128	2.5
129	2.5
130	2.5
131	2.5
132	2.5
133	2.5
134	2.5
135	2.5
136	2.5
137	2.5
138	2.5
139	2.5
140	2.5
141	2.5
142	2.5
143	2.5
144	2.5

MODE PIN NO.	DC (V)
8	2.4
5	0
10	2.4
11	2.2
12	2.4
13	NC
14	NC
15	NC
16	0
17	2.4
18	0
19	2.4
20	0
21	2.4
22	0
23	0
24	0.1
25	5
26	0
27	4
28	3.9
29	0
30	NC
31	6.3
32	NC
33	0
34	NC
35	0
36	1.4
37	1.9
38	NC
39	1.4
40	NC
41	0
42	4.1
43	3.4
44	0
45	1.3
46	2.8
47	2.5
48	2.5
49	3.9
50	6.4
51	4.9
52	NC
53	1.9
54	3
55	2.4
56	NC
57	2.5
58	NC
59	0
60	2.2
61	0
62	2.5
63	2.5
64	2.5
65	2.5
66	2.5
67	2.5
68	2.5
69	0.2
70	2.1
71	NC
72	2.5
73	4.9
74	2.5
75	0
76	0
77	2.1
78	1.4
79	2.8
80	5
81	2.3
82	NC
83	2.8
84	0
85	2.5
86	NC
87	2.5
88	2.2
89	2.1
90	0
91	2.5
92	2.8
93	2.5
94	0.2
95	2.1
96	NC
97	2.5
98	4.8
99	2.5
100	2.5
101	2.5
102	2.5
103	2.5
104	2.5
105	2.5
106	2.5
107	2.5
108	2.5
109	2.5
110	2.5
111	2.5
112	2.5
113	2.5
114	2.5
115	2.5
116	2.5
117	2.5
118	2.5
119	2.5
120	2.5
121	2.5
122	2.5
123	2.5
124	2.5
125	2.5
126	2.5
127	2.5
128	2.5
129	2.5
130	2.5
131	2.5
132	2.5
133	2.5
134	2.5
135	2.5
136	2.5
137	2.5
138	2.5
139	2.5
140	2.5
141	2.5
142	2.5
143	2.5
144	2.5

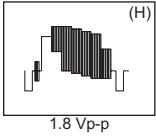
MODE PIN NO.	DC (V)
4	2.2
5	0
6	9
IC104	
1	2.9
2	3
3	9
4	2.6
5	0
6	9
IC105	
1	2.1
2	0
3	9
4	2.2
5	0
6	9
Q106	
S	0.1
D	0.1
G	0
Q107	
S	3.2
D	5
G	3.3
Q108	
E	0.5
C	0
B	0
Q109	
E	2.6
C	0
B	1.9
Q110	
E	2.2
C	0
B	1.4
Q111	
E	2.2
C	0
B	1.4
Q112	
E	1.7
C	0
B	1
Q113	
E	0
C	5
B	2.9

MODE PIN NO.	DC (V)
6	6.1
7	0.7
8	6.1
9	6.1
10	6.1
11	1.1
12	0
13	1
14	6.1
15	0
16	5.2
17	0.1
18	5
19	0
20	12.1
21	5.9
22	0
23	0
24	4.9
25	3.9
26	4.7
27	4.7
28	6.1
29	6.1
30	6.1
31	6.1
32	6.1
33	6.1
34	6.1
35	0
36	6.1
37	6.1
38	6.1
39	6.1
40	1.4
41	0
42	3.2
43	NC
44	NC
45	NC
46	NC
47	NC
48	NC
49	NC
50	NC
51	NC
52	NC
53	NC
54	0
55	1.4
56	1.5
57	1.4
58	0.7
59	0.6
60	0
61	0
62	3.2
63	0
64	0.6
15	1.2
16	1.2
1	5
2	0
3	1.2
4	1.5
5	3.3
Q501	
E	3.8
C	9
B	4.4
Q502	
E	3.7
C	9
B	4.4
Q503	
E	0
C	3.2
B	0
Q553	
E	0
C	3.3
B	0

MODE PIN NO.	DC (V)
13	5
14	0
15	0
16	5
IC607	
1	-15.3
2	0
3	0
4	-15.4
5	0
6	0.1
7	-15.3
8	13.6
13	5
14	0
15	0
16	5
17	0
18	5
19	0
20	12.1
21	5.9
22	0
23	0
24	4.9
25	3.9
26	4.7
27	4.7
28	6.1
29	6.1
30	6.1
31	6.1
32	6.1
33	6.1
34	6.1
35	0
36	6.1
37	6.1
38	6.1
39	6.1
40	6.1
41	6.1
42	6.1
43	6.1
44	6.1
45	6
46	6
47	6
48	6
49	6
50	6
51	6
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112	6
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116	6
117	6
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119	6
120	6
121	6
122	6
123	6
124	6
125	6
126	6
127	6
128	6
129	6
130	6
131	6
132	6
1	

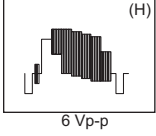
WAVEFORMS

TUNER PWB
TU3001-18

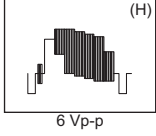


ANALOG PWB(1/5)

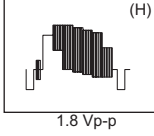
IC101-45



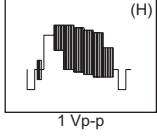
IC101-49



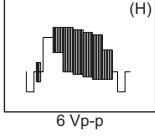
IC101-57



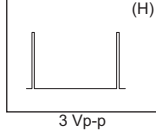
IC101-79



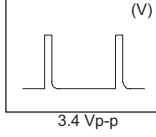
IC102-2



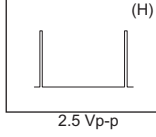
IC102-28



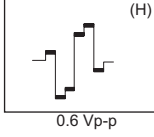
IC102-37



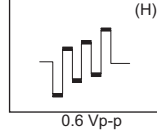
IC102-38



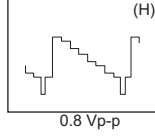
IC102-41



IC102-43

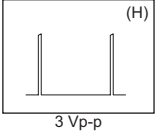


IC102-45

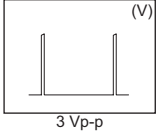


DIGITAL PWB(4/16)

IC6501-7

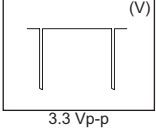


IC6501-8

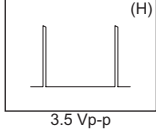


DIGITAL PWB(7/16)

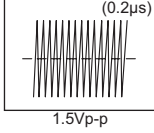
IC7301-102



IC7301-103



IC7301-109





JVC

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