

Service Manual

LCD TV

Model No. TX-LR19X10

Chassis: KM02

Destination: CIS



Specifications

Power Source	AC SINGLE 220 - 240 V, 50/60 Hz
Power Consumption	
Average use	39 W
Standby condition	0.9 W
Display panel	
Aspect Ratio	16:9
Visible screen size	47 cm (diagonal)
	409.8 mm (W) × 230.4 mm (H)
Number of pixels	1,049,088 (1,366 (W) × 768 (H))
Sound	
Speaker	Full range × 2 pcs, 8 Ω
Audio Output	6 W (3 W + 3 W), 10% THD
Headphones	M3 (3.5 mm) stereo mini Jack × 1
PC Signals	VGA, SVGA, XGA SXGA (compressed) Horizontal scanning frequency 31 - 69 kHz Vertical scanning frequency 59 - 86 Hz

Receiving Systems / Band name

SYSTEMS	FUNCTIONS
1 PAL B, G, H	
2 PAL I	
3 PAL D, K	
4 SECAM B, G	
5 SECAM D, K	
6 SECAM K1	
7 NTSC M (NTSC 3.58 / 4.5MHZ)	Reception of broadcast transmission and playback from video cassette tape recorders.

8	NTSC 4.43 / 5.5 MHz	
9	NTSC 4.43 / 6.0 MHz	
10	NTSC 4.43 / 6.5 MHz	
11	NTSC 3.58 / 5.5 MHz	Playback from special VCR's or DVD.
12	NTSC 3.58 / 6.0 MHz	
13	NTSC 3.58 / 6.5 MHz	
14	SECAM I	

15	PAL 60 Hz / 5.5 MHz	Playback from Special Disc Players and Special VCR's or DVD.
16	PAL 60 Hz / 6.0 MHz	
17	PAL 60 Hz / 6.5 MHz	

Receiving Channels (Analogue TV)**VHF BAND**

2 - 12 (PAL / SECAM B, K1)

0 - 12 (PAL B AUST.)

1 - 9 (PAL B N.Z.)

1 - 12 (PAL / SECAM D)

1 - 12 (NTSC M JAPAN)

2 - 13 (NTSC M USA)

UHF BAND

21 - 69 (PAL G, H, I / SECAM G, K, K1)

28 - 69 (PAL B AUST.)

13 - 57 (PAL D, K)

13 - 62 (NTSC M JAPAN)

14 - 69 (NTSC M USA)

CATV

S1 - S20 (OSCAR)

1 - 125 (USA CATV)

C13 - C49 (JAPAN)

S21 - S41 (HYPER)

Z1 - Z37 (CHINA)

5A, 9A (AUST.)

Aerial - Rear

VHF / UHF

Operating Conditions

Temperature : 0°C - 35°C

Humidity : 20 % - 80 % RH (non-condensing)

Connection Terminals**AV1 Input AUDIO L-R**

RCA PIN Type × 2

0.5 V [rms]

VIDEO

RCA PIN Type × 1

1.0 V [p-p] (75 Ω)

AV2 Input AUDIO L-R

RCA PIN Type × 2

0.5 V [rms]

VIDEO

RCA PIN Type × 1

1.0 V [p-p] (75 Ω)

COMPONENT

Y

1.0 V [p-p] (including synchronization)

P_B/C_B, P_R/C_R

± 0.35 V [p-p]

Others HDMI 1 / 2 Input

TYPE A Connectors

• This TV supports "HDAVI Control 4" function.

PC Input

HIGH-DENSITY D-SUB 15 PIN

R, G, B / 0.7 V [p-p] (75 Ω)

HD, VD / TTL LEVEL 2.0-5.0 V [p-p] (high impedance)

Card Slot

SD Card slot × 1

Monitor AUDIO L-R

RCA PIN Type × 2

0.5 V [rms] (High impedance)

Output VIDEO

RCA PIN Type × 1

1.0 V [p-p] (75 Ω)

Dimensions (W x H x D)

472 mm × 361 mm × 174 mm (With Pedestal)

472 mm × 323 mm × 67 mm (TV only)

Mass

5.5 kg Net (With Pedestal)

5.0 kg Net (TV only)

Design and specifications are subject to change without notice. Weight and dimensions shown are approximate.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

TABLE OF CONTENTS

	PAGE		PAGE
1 Safety Precautions	5	10.2.17. A Board - Sheet : 004 (1 / 5)	48
1.1. General Guidelines	5	10.2.18. A Board - Sheet : 004 (2 / 5)	49
1.2. Touch-Current Check	5	10.2.19. A Board - Sheet : 004 (3 / 5)	50
1.3. KM02 Chassis Block Diagram	6	10.2.20. A Board - Sheet : 004 (4 / 5)	51
2 Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices	7	10.2.21. A Board - Sheet : 004 (5 / 5)	52
3 About Lead Free Solder (PbF)	8	10.2.22. A Board - Sheet : 005 (1 / 4)	53
4 Power LED Blinking Timing	9	10.2.23. A Board - Sheet : 005 (2 / 4)	54
5 Location of Controls and Components	10	10.2.24. A Board - Sheet : 005 (3 / 4)	55
5.1. Wire Dressing	10	10.2.25. A Board - Sheet : 005 (4 / 4)	56
6 Disassembly and Assembly Instructions	11	10.2.26. A Board - Sheet : 006 (1 / 9)	57
6.1. AC Cord Dressing	11	10.2.27. A Board - Sheet : 006 (2 / 9)	58
6.2. AC Cord Installation	12	10.2.28. A Board - Sheet : 006 (3 / 9)	59
6.3. LED Panel Installation And Fitting	14	10.2.29. A Board - Sheet : 006 (4 / 9)	60
6.4. Control Panel Assembly	15	10.2.30. A Board - Sheet : 006 (5 / 9)	61
6.5. Control Panel Assembly and VESA Metal Installation	16	10.2.31. A Board - Sheet : 006 (6 / 9)	62
6.6. Side AV Bracket Assembly	17	10.2.32. A Board - Sheet : 006 (7 / 9)	63
6.7. Speaker Installation	18	10.2.33. A Board - Sheet : 006 (8 / 9)	64
6.8. EMI Spec (LVDS)	19	10.2.34. A Board - Sheet : 006 (9 / 9)	65
6.9. Chassis and Frame Screw Position	20	10.2.35. A Board - Sheet : 007 (1 / 4)	66
6.10. Chassis Frame Fix to LCD Panel	21	10.2.36. A Board - Sheet : 007 (2 / 4)	67
6.11. Fix Chassis Frame and Cont. Panel Bracket	22	10.2.37. A Board - Sheet : 007 (3 / 4)	68
6.12. Power Button, Top VESA Metal and Cont. Panel Assembly	23	10.2.38. A Board - Sheet : 007 (4 / 4)	69
6.13. VESA (BC) Installation	24	10.2.39. A Board - Sheet : 008 (1 / 2)	70
6.14. Pedestal Assembly	26	10.2.40. A Board - Sheet : 008 (2 / 2)	71
7 Service Mode Adjustment	27	10.2.41. A Board - Sheet : 009 (1 / 5)	72
7.1. Self Check Mode	27	10.2.42. A Board - Sheet : 009 (2 / 5)	73
7.2. Hotel Mode Adjustment	27	10.2.43. A Board - Sheet : 009 (3 / 5)	74
7.3. Hotel Mode	27	10.2.44. A Board - Sheet : 009 (4 / 5)	75
8 Measurements and Adjustments	28	10.2.45. A Board - Sheet : 009 (5 / 5)	76
8.1. Voltage Check	28	10.2.46. A Board - Sheet : 010 (1 / 2)	77
8.2. Power Supply for Writing Data in Board Individual	28	10.2.47. A Board - Sheet : 010 (2 / 2)	78
8.3. White Balance	28	10.2.48. A Board - Sheet : 011 (1 / 2)	79
9 Printed Circuit Board	29	10.2.49. A Board - Sheet : 011 (2 / 2)	80
9.1. A-Board	29	10.2.50. A Board - Sheet : 012 (1 / 5)	81
9.2. A-Board	30	10.2.51. A Board - Sheet : 012 (2 / 5)	82
10 Schematic Diagram	31	10.2.52. A Board - Sheet : 012 (3 / 5)	83
10.1. Schematic Diagram Notes	31	10.2.53. A Board - Sheet : 012 (4 / 5)	84
10.2. A Board	32	10.2.54. A Board - Sheet : 012 (5 / 5)	85
10.2.1. A Board - Sheet : 001 (1 / 8)	32	10.2.55. A Board - Sheet : 013 (1 / 4)	86
10.2.2. A Board - Sheet : 001 (2 / 8)	33	10.2.56. A Board - Sheet : 013 (2 / 4)	87
10.2.3. A Board - Sheet : 001 (3 / 8)	34	10.2.57. A Board - Sheet : 013 (3 / 4)	88
10.2.4. A Board - Sheet : 001 (4 / 8)	35	10.2.58. A Board - Sheet : 013 (4 / 4)	89
10.2.5. A Board - Sheet : 001 (5 / 8)	36	10.2.59. A Board - Sheet : 014 (1 / 5)	90
10.2.6. A Board - Sheet : 001 (6 / 8)	37	10.2.60. A Board - Sheet : 014 (2 / 5)	91
10.2.7. A Board - Sheet : 001 (7 / 8)	38	10.2.61. A Board - Sheet : 014 (3 / 5)	92
10.2.8. A Board - Sheet : 001 (8 / 8)	39	10.2.62. A Board - Sheet : 014 (4 / 5)	93
10.2.9. A Board - Sheet : 002 (1 / 6)	40	10.2.63. A Board - Sheet : 014 (5 / 5)	94
10.2.10. A Board - Sheet : 002 (2 / 6)	41	10.2.64. A Board - Sheet : 015 (1 / 2)	95
10.2.11. A Board - Sheet : 002 (3 / 6)	42	10.2.65. A Board - Sheet : 015 (2 / 2)	96
10.2.12. A Board - Sheet : 002 (4 / 6)	43	10.3. P Board	97
10.2.13. A Board - Sheet : 002 (5 / 6)	44	10.3.1. P Board (1 / 6)	97
10.2.14. A Board - Sheet : 002 (6 / 6)	45	10.3.2. P Board (2 / 6)	98
10.2.15. A Board - Sheet : 003 (1 / 2)	46	10.3.3. P Board (3 / 6)	99
10.2.16. A Board - Sheet : 003 (2 / 2)	47	10.3.4. P Board (4 / 6)	100
		10.3.5. P Board (5 / 6)	101
		10.3.6. P Board (6 / 6)	102
		10.4. V Board	103
		10.4.1. V Board (1 / 4)	103

- 10.4.2. V Board (2 / 4)----- 104
- 10.4.3. V Board (3 / 4)----- 105
- 10.4.4. V Board (4 / 4)----- 106
- 11 Exploded View and Replacement Parts List ----- 107**
- 11.1. Exploded View and Mechanical Replacement
Parts List ----- 107
- 11.2. Electrical Replacement Parts List----- 107
- 11.2.1. Replacement Parts List Notes ----- 107
- 11.2.2. Electrical Replacement Parts List ----- 108

1 Safety Precautions

1.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2. Touch-Current Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe as shown in Figure 1.
3. Use the Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.
4. Check each exposed metallic part and measure the voltage at each point.
5. The potential at any point (touch current) expressed as voltage U_1 and U_2 , do not exceed the following values:

For AC: $U_1 = 35 \text{ V}$ (peak) and $U_2 = 0.35 \text{ V}$ (peak);

For DC: $U_1 = 1.0 \text{ V}$,

NOTE :

The limit value of $U_2 = 0.35 \text{ V}$ (peak) for AC and $U_1 = 1.0 \text{ V}$ for DC correspond to the values 0.7 mA (peak) AC and 2.0 mA DC.

The limit value $U_1 = 35 \text{ V}$ (peak) for AC correspond to the value 70 mA (peak) AC for frequencies greater than 100 kHz .

6. Should a measurement be out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

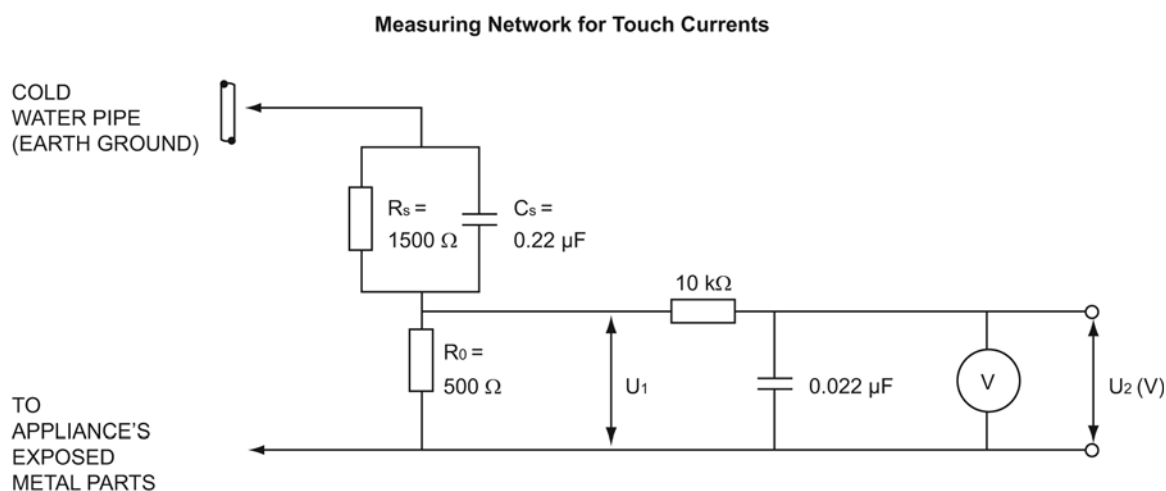


Figure 1

Resistance values in ohms (Ω)

V: Voltmeter or oscilloscope
(r.m.s. or peak reading)

Input resistance: $\geq 1 \text{ M}\Omega$
 Input capacitance: $\leq 200 \text{ pF}$
 Frequency range: 15 Hz to 1 MHz and DC respectively

NOTE - Appropriate measures should be taken to obtain the correct value in case of non-sinusoidal waveforms.



2 Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called **Electrostatically Sensitive (ES) Devices**. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor “chip” components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).


1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminium foil to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as “anti-static (ESD protected)” can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it (most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminium foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution:

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices (otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission from the manufacturer.

3 About Lead Free Solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead Solder and PbF will refer to Lead Free Solder.

The Lead Free Solder (PbF) used in our manufacturing process and discussed below is (Sn+Ag+Cu).

Those are Tin (Sn), Silver (Ag) and Copper (Cu), although other types are available.

This model uses PbF in its manufacture due to environmental conservation issues. For service and repair work, we would suggest the use of PbF as well, although Pb may be used.

PCBs manufactured using lead-free will have the "PbF within a leaf Symbol" stamped on their back.

Caution

- PbF has a higher melting point than that of standard solder. Typically the melting point is 50 ~ 70°F (30~40°C) higher.

Please use a high temperature soldering iron and set it to 700 ± 20°F (370 ± 10°C).

- PbF will tend to splash when heated too high (about 1100°F or 600°C).

If you must use Pb solder, please completely remove all of the PbF on the pins or solder area before applying Pb. If this is not practical, be sure to heat the PbF until it melts, before applying Pb.

- After applying PbF to double layered boards, please check the component side for excess solder which may flow onto the opposite side (see Figure 2).

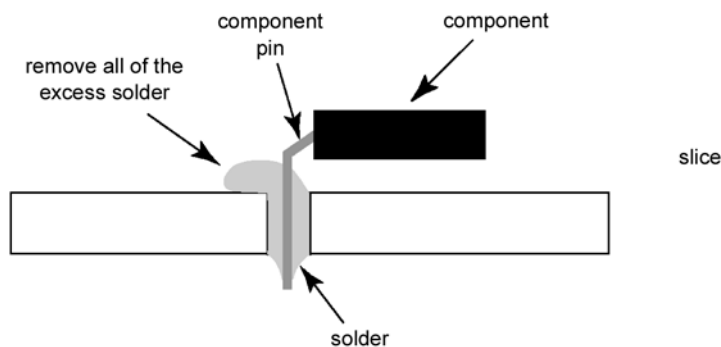


Figure 2

Suggested PbF

There are several kinds of PbF available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper) and Sn+Zn+Bi (tin, zinc, bismuth) solders can also be used.

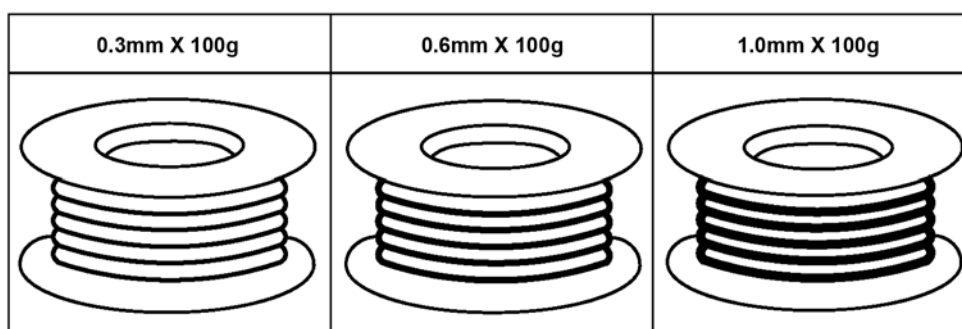


Figure 3

4 Power LED Blinking Timing

1. Subject

Information of LED Flashing timing.

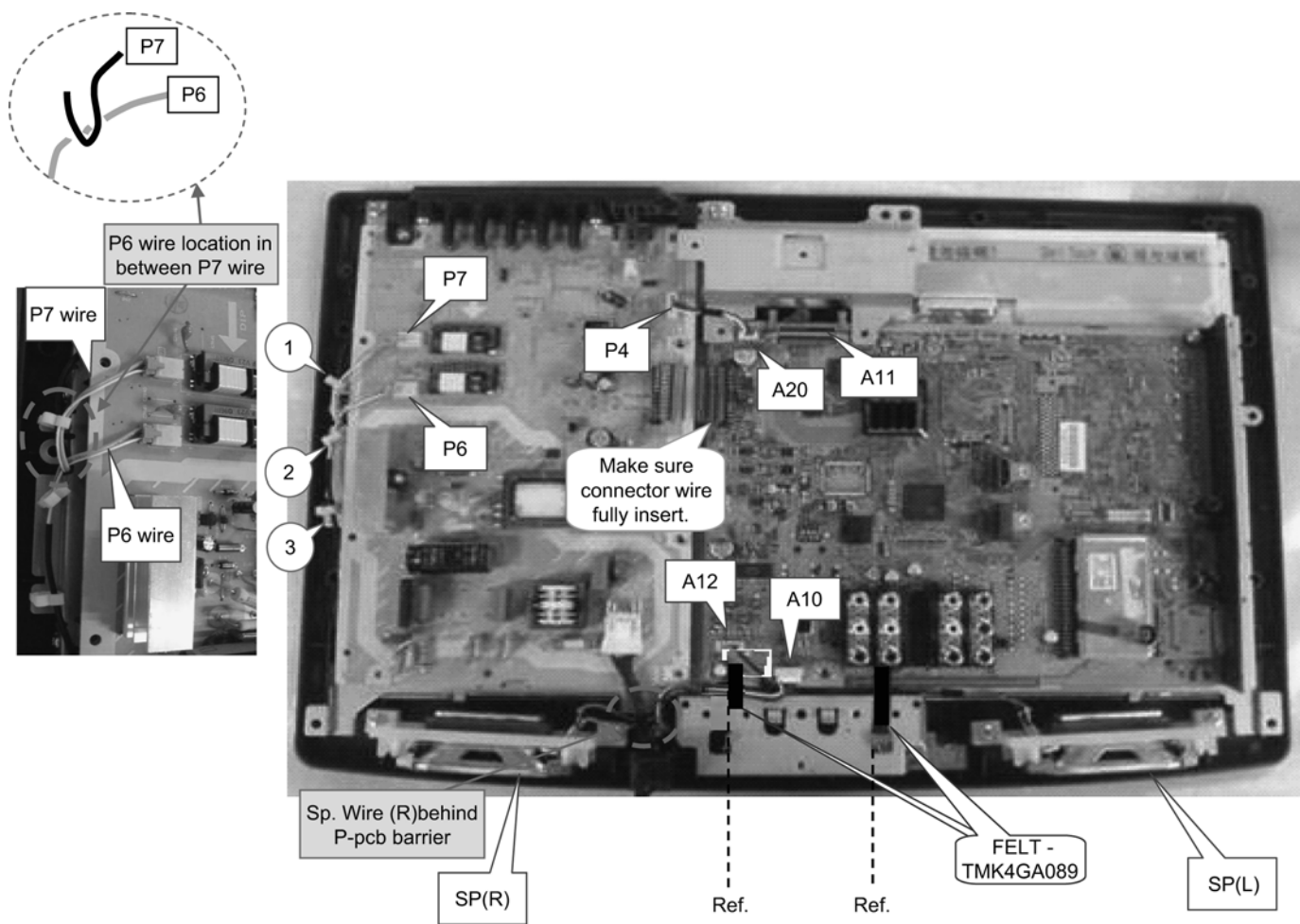
2. Contents

When an abnormality occurs, the protection circuit will operate and reset the unit to stand by mode. During this time, the defective block can be identified by the number of blinking times of the Power LED on the front panel of the unit as follow:

Blinking times	Contents
1	Inverter_SOS
3	SOS_3.3V over voltage protection
4	DTV_ 9V decreased / short circuit, main convertor stop detection.
5	Main_ 9V decreased
6	Sub_ 5V decreased
7	Sub_ 3.3V decreased
8	MAIN_ 3.3V decreased
9	Sound_ SOS
13	Emergency SOS
14	Audio PWM SOS

5 Location of Controls and Components

5.1. Wire Dressing



- 1. Wiring No.1 ~ No.2
- 2. Remove dust of terminal of LVDS and PB connector. (by ion blow)
Pos. A11
- 3. Insert LVDS into A11.
- 4. Make sure all connector wire fully insert.

Wire		Clamper		
		TMME322		
		1	2	3
No.1	P7	▲		
No.2	P6		●	●

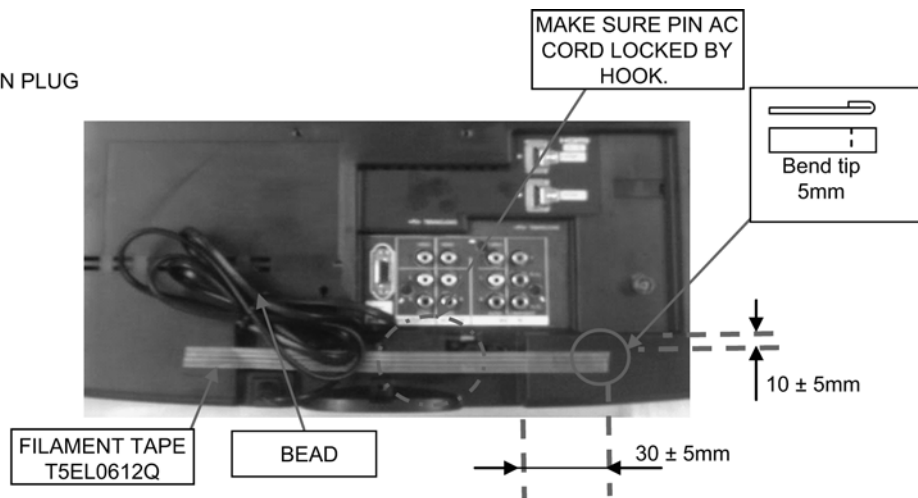
● = SINGLE CLAMP
▲ = DOUBLE CLAMP

6 Disassembly and Assembly Instructions

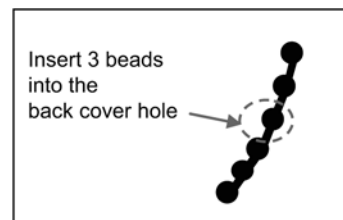
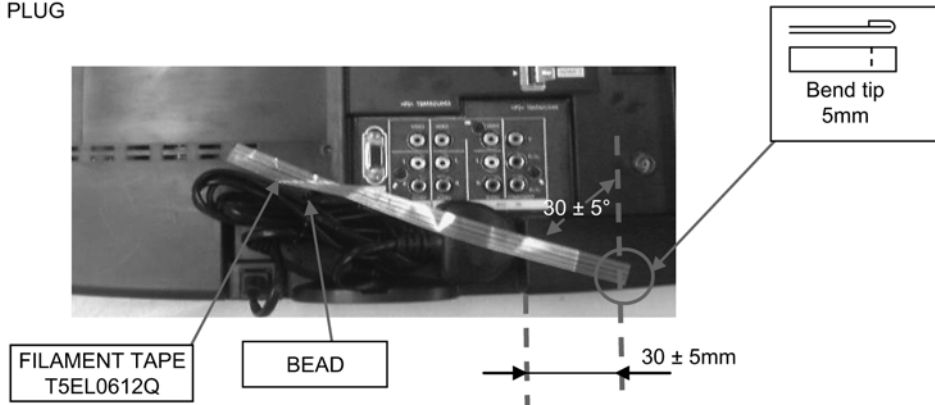
6.1. AC Cord Dressing

Insert beads 3pcs. And slide down to lower hole.

A). 2 PIN PLUG

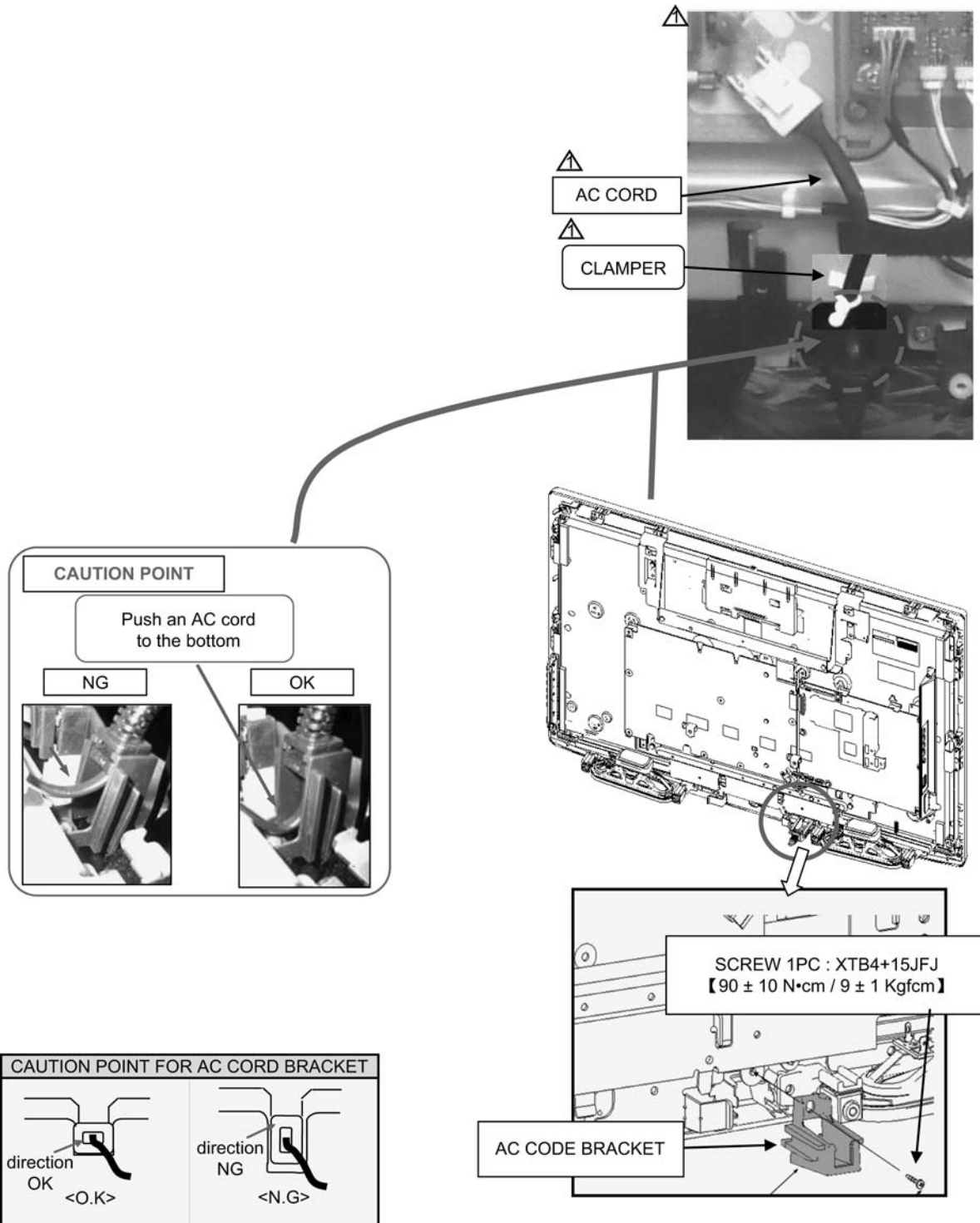


B). 3 PIN PLUG

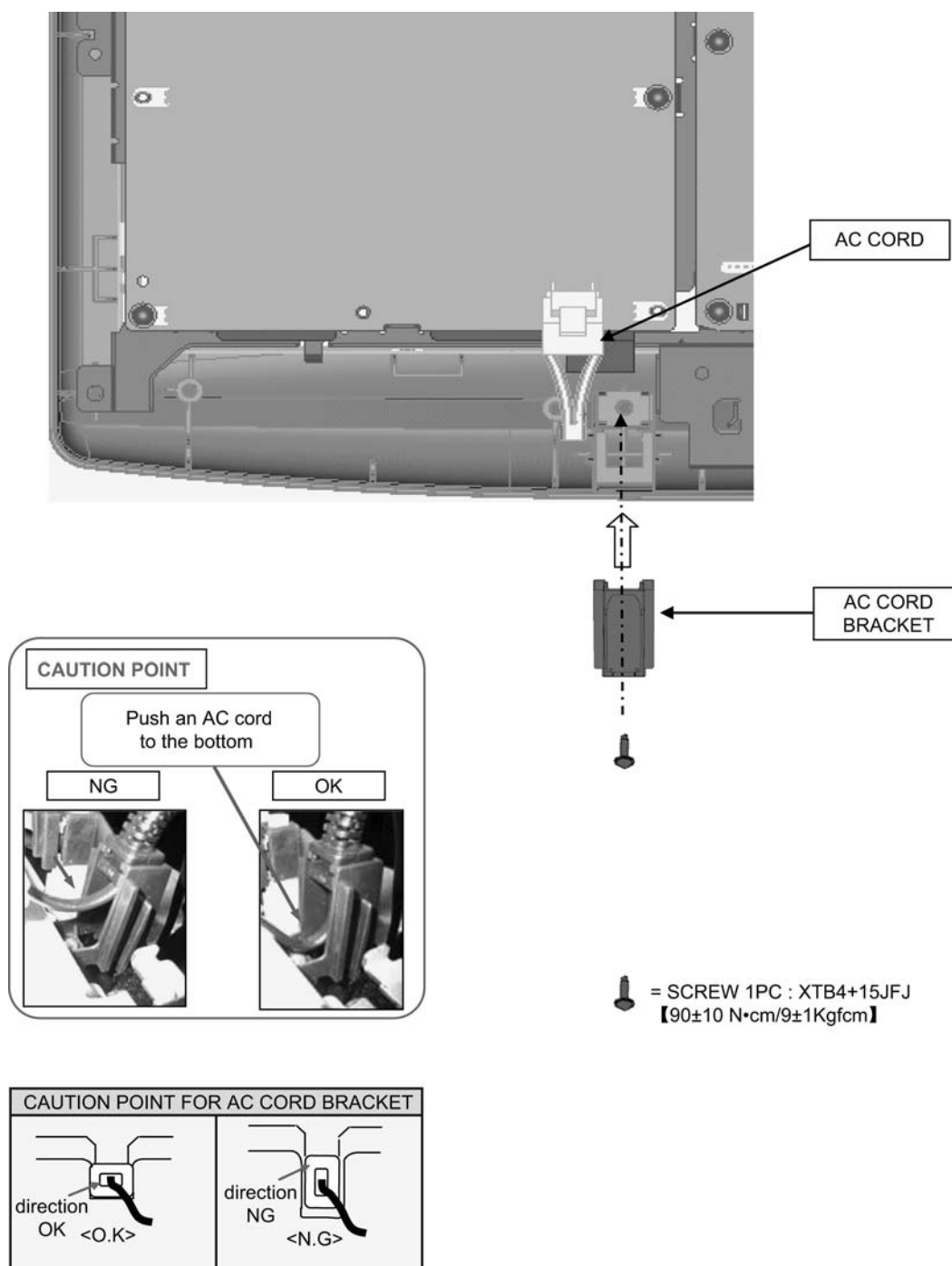


6.2. AC Cord Installation

1. Put on the AC CORD BRACKET on the CABINET.
2. Fix the AC CORD BRACKET with SCREW.
3. AC CORD BARRIER setting.
4. Insert AC CORD connector into P-PCB connector.
5. Clamp the AC CORD.
6. Insert AC CORD bushing into the AC CORD BRACKET.

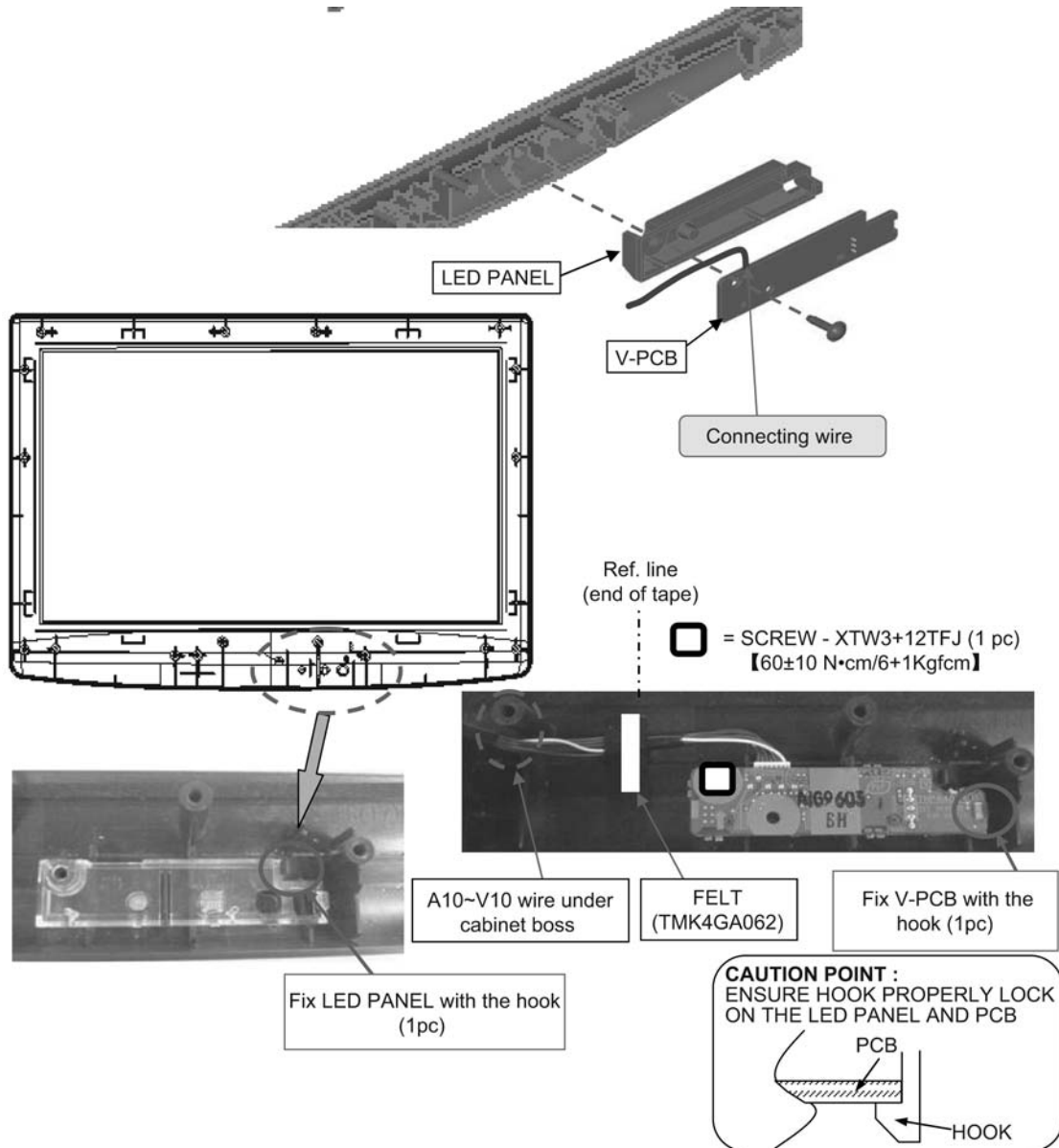


1. Put on the AC CODE BRACKET on the CABINET.
2. Fix the AC CODE BRACKET with SCREW.
3. Insert AC CODE connector into P-PCB connector.
4. Insert AC CODE bushing into the AC CODE BRACKET.



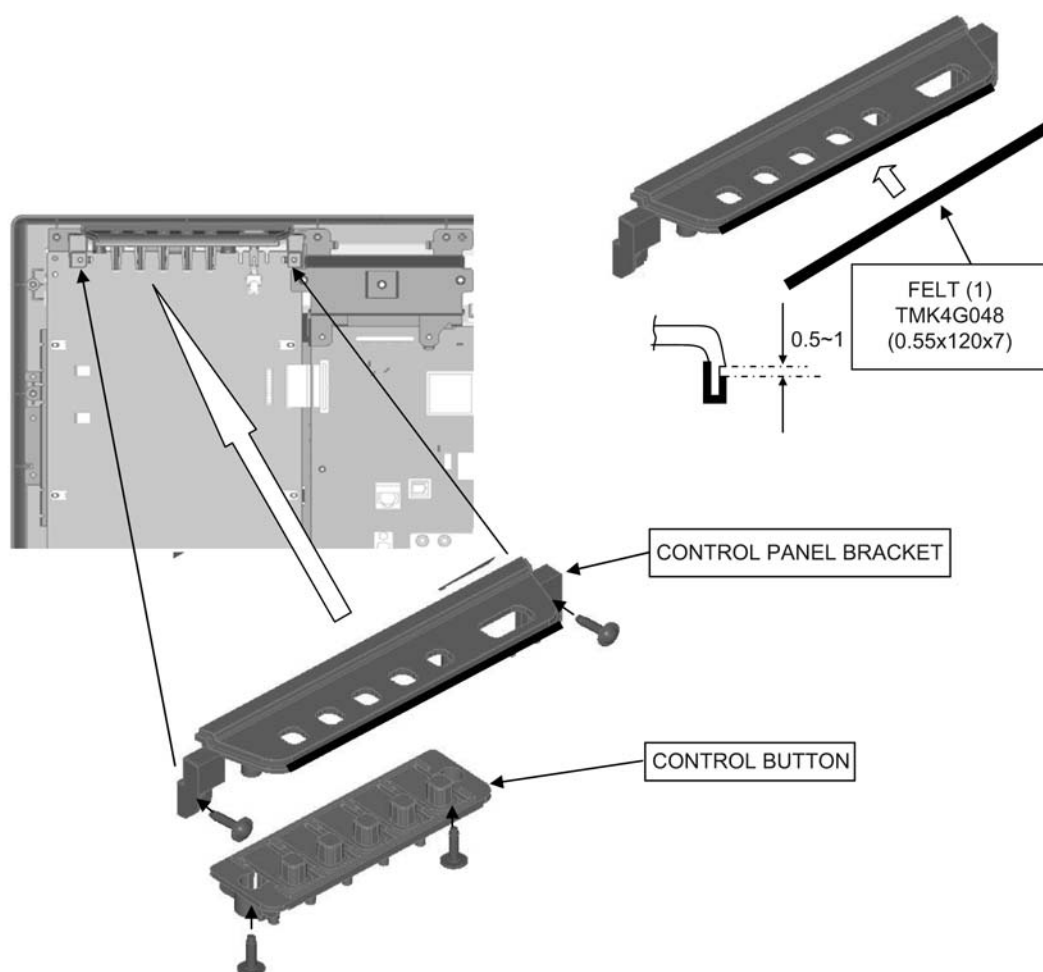
6.3. LED Panel Installation And Fitting

1. Fix LED PANEL on CABINET.
2. Connecting wire (V10) V-PCB.
3. Put V-PCB on LED PANEL.
4. Fix them with SCREW.
5. Stick FELT (TMK4GA062) to A12 and A10 wire to cabinet.



6.4. Control Panel Assembly

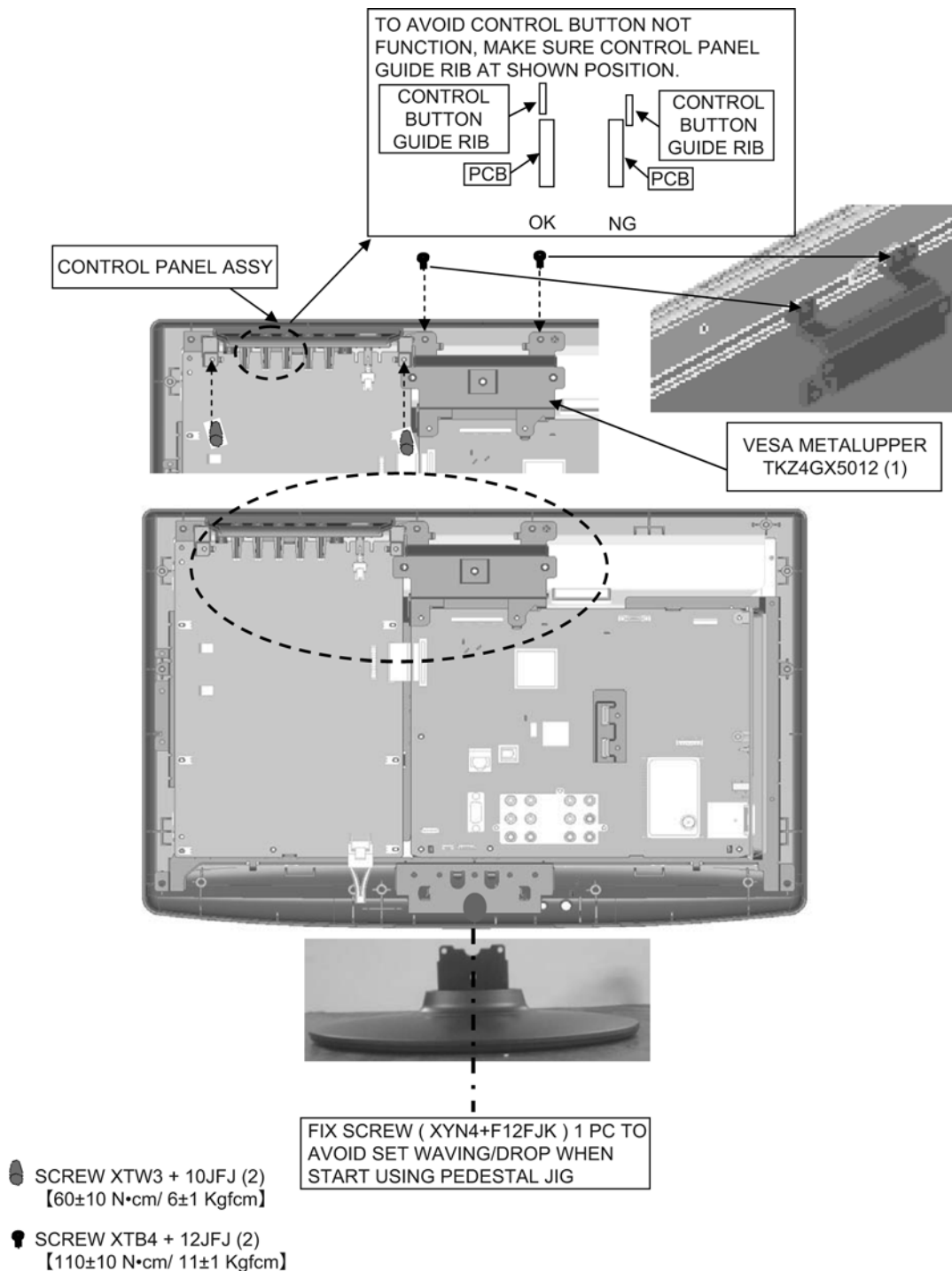
1. Fix FELT (TMK4G116) to CONTROL PANEL BRACKET.
2. Fix CONTROL BUTTON to CONTROL PANEL BRACKET.
 - Fix them by screw (2 pcs).
3. Fix CONTROL PANEL ASSY cabinet.
 - After fix P-BOARD, A-BOARD and TOP VESA METAL.



 = 4 PCS SCREW - XTW3+12TFJ 【40 ± 10 N•cm / 4 ± 1KgfcM】

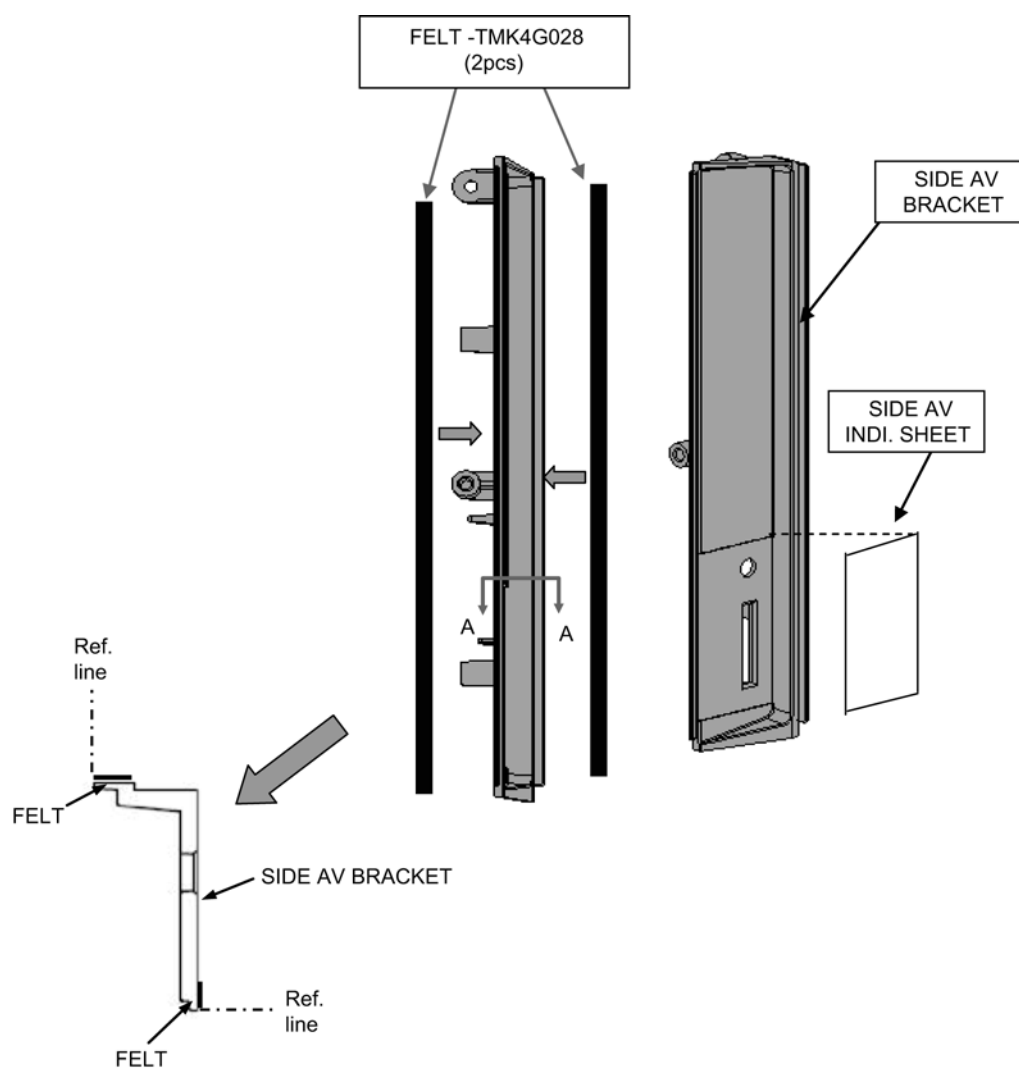
6.5. Control Panel Assembly and VESA Metal Installation

1. Put CONTROL PANEL ASSY.
- Fix them with SCREWS.
2. Put TOP VESA METAL.
- Fix them with SCREWS.



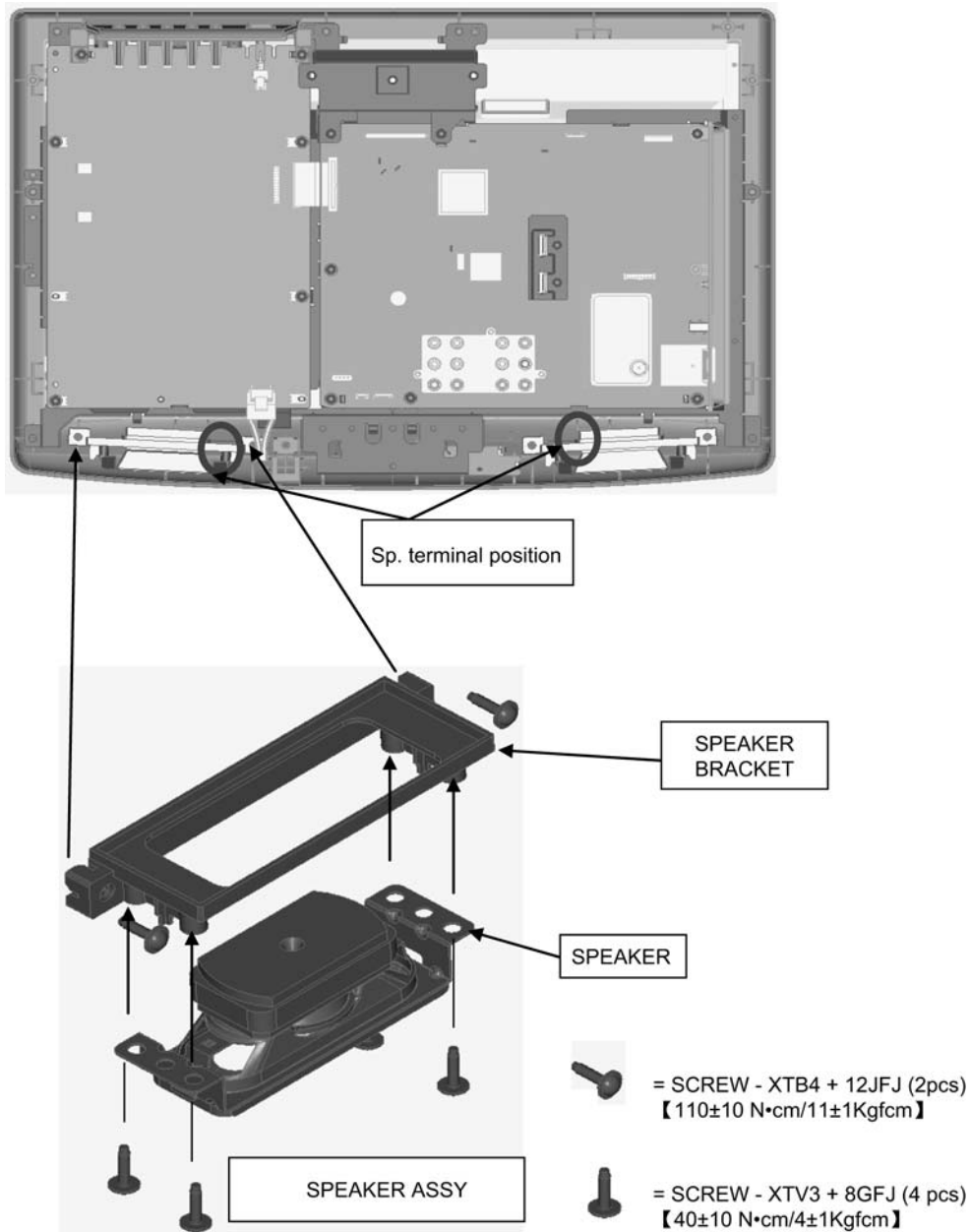
6.6. Side AV Bracket Assembly

Stick felt TMK4G028 (7 X 240 X 0.55t) - 2 PCS.



6.7. Speaker Installation

1. Fix SPEAKER to SPEAKER BRACKET.
 - Fix them with SCREWS (4 pcs).
2. Fix SPEAKER ASSY to cabinet.
 - Fix them with SCREWS (2 pcs).

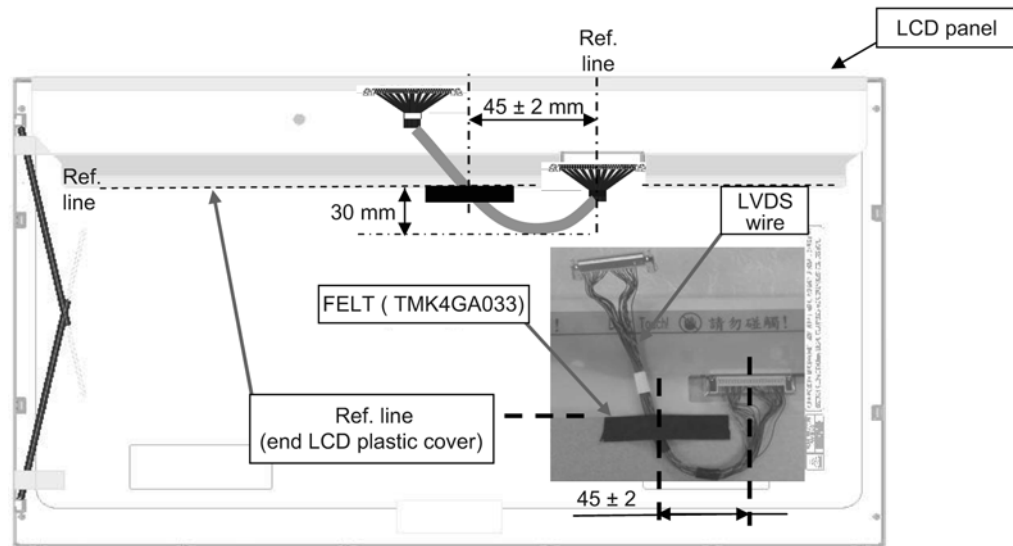


6.8. EMI Spec (LVDS)

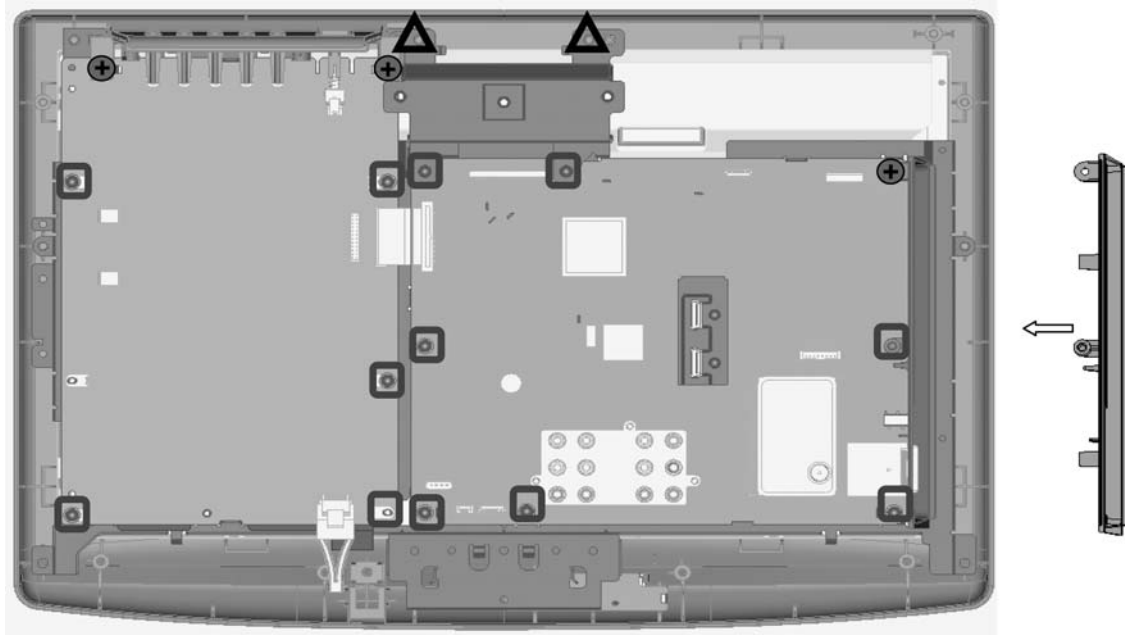
1. Insert **LVDS** wire to T-con connector, Make sure must center position follow below picture.
2. Stick **FELT** TMK4GA033 (15 X 60 X 0.55t) at LVDS wire (1 pc).

CAUTION.

Dressing LVDS wire to Panel must follow below instruction to avoid LVDS wire stuck in between chassis frame and panel.



6.9. Chassis and Frame Screw Position



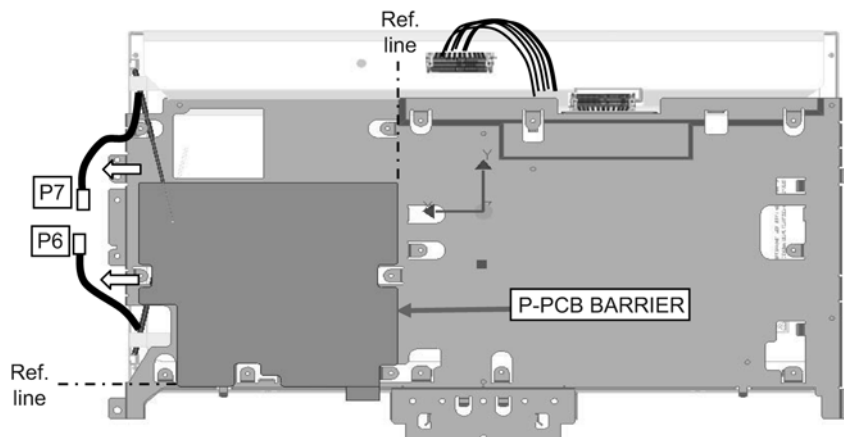
- Δ = SCREW XTB4+15JFJ (2pc)
 【110±10 N•cm/ 11±1KgfcM】
- + = SCREW XTW3+10TFJ (3pcs)
 【60±10 N•cm/ 6±1KgfcM】
- ◻ = SCREW - XYC3+FJ8FJ (12pcs)
 【60±20 N•cm/ 6±2KgfcM】

6.10. Chassis Frame Fix to LCD Panel

1. Stick P-PCB BARRIER to chassis frame.
2. Fix chassis frame to LCD panel.

CAUTION

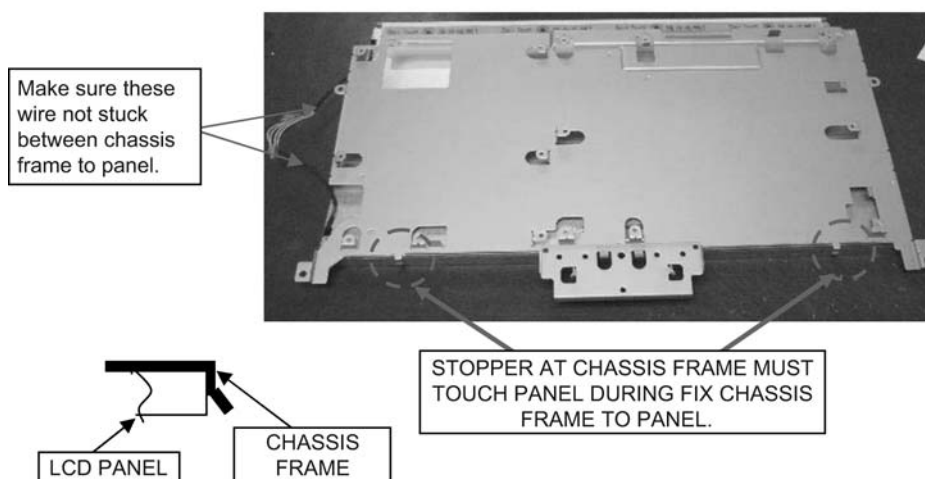
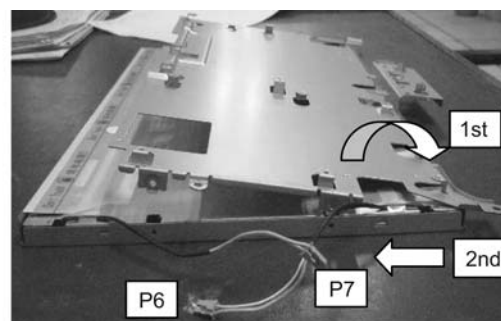
- A - Make sure wire P6 and P7 not stuck between chassis frame and LCD panel
- B - Terminal for P-board not stuck between chassis frame and LCD panel
- C - Make sure wire A10~V10 and SP wire (L & R) not stuck between chassis frame and LCD panel



1. Fix chassis frame to LCD panel

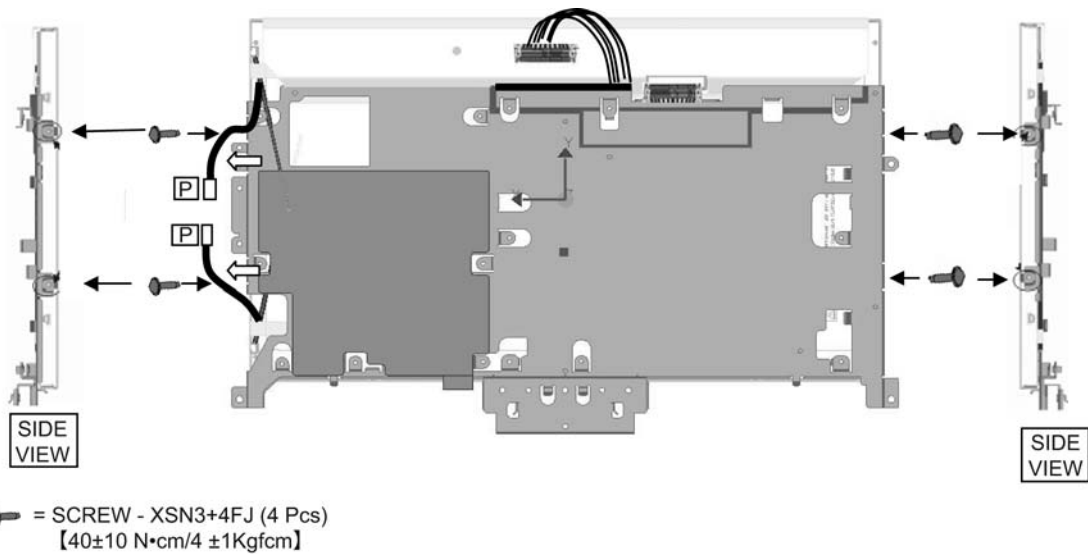
CAUTION

- A - 1st. Put chassis frame at LCD panel at bottom side.
 - B - 2nd. Push to top side.
 - C - Make sure wire P6 and P7 not stuck between chassis frame and LCD panel
 - D - Terminal for P-board not stuck between chassis frame and LCD panel
2. Fix them with screw (4).



6.11. Fix Chassis Frame and Cont. Panel Bracket

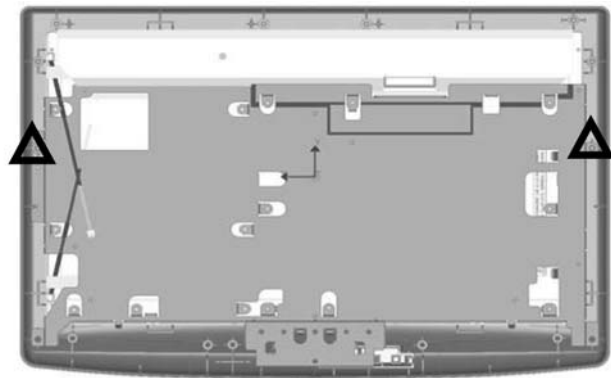
1. Fix CHASSIS FRAME to LCD PANEL ASSY with screw (4 pcs).



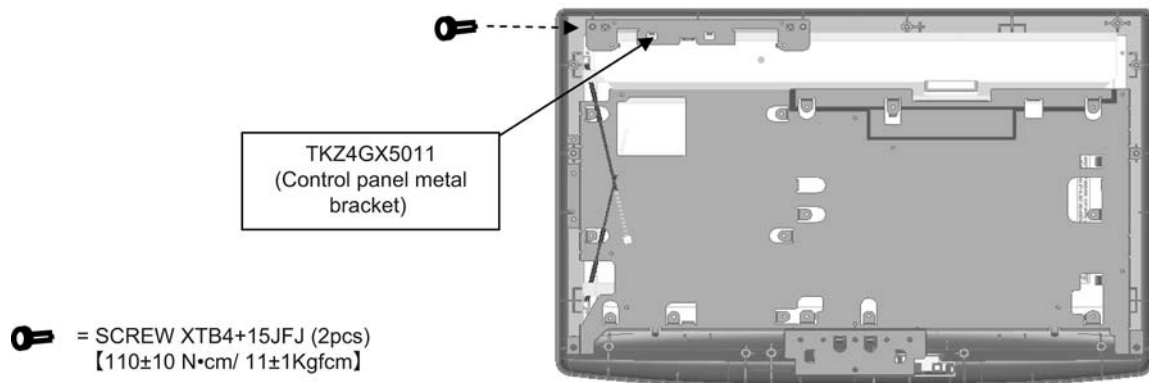
2. Fix LCD PANEL ASSY and CHASSIS FRAME to CABINET and fix by screw (2 pcs).

△ = SCREW XTB4+12JFJ (2pcs)

【110±10 N•cm/ 11±1Kgfc】

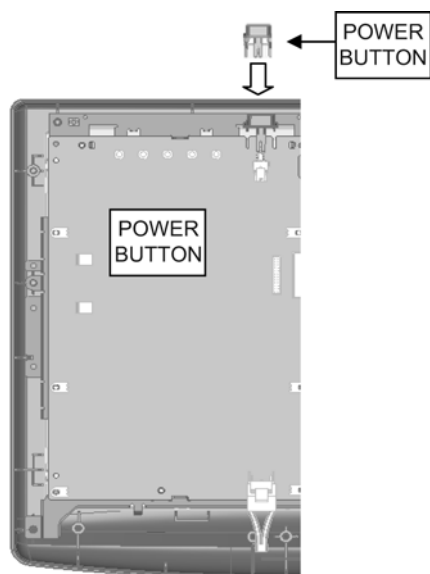


3. Fix CONTROL PANEL METAL BRACKET and fix by screw (1 pc).

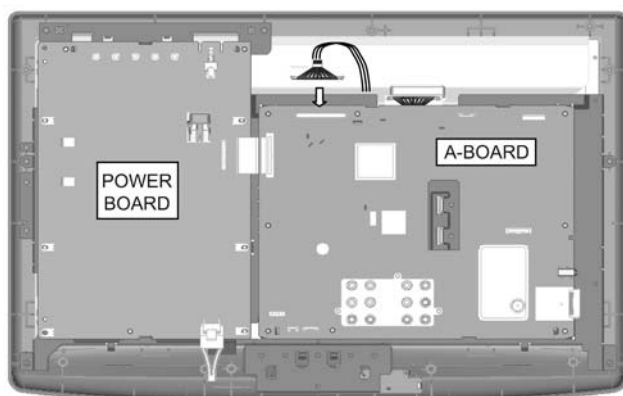


6.12. Power Button, Top VESA Metal and Cont. Panel Assembly

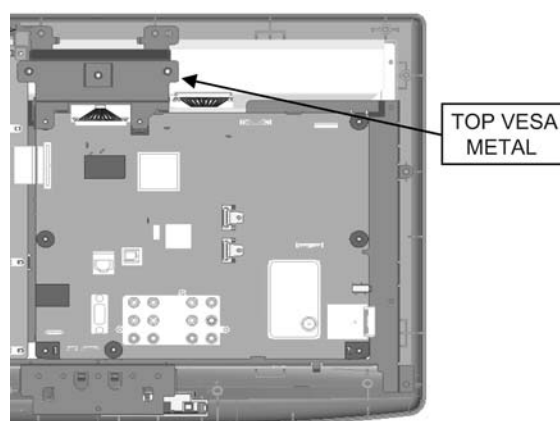
1. Fix POWER BUTTON to power switch (P-board).
- fix P-BOARD to chassis frame.



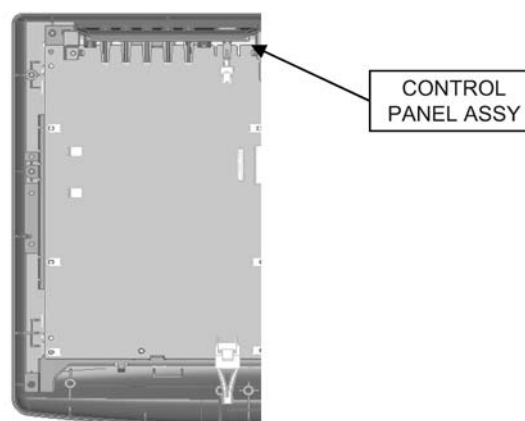
2. Fix A-BOARD to chassis frame.
- Insert LVDS wire to A-BBOARD conector, make sure in center position follow below picture.



3. Fix TOP VESA METAL to cabinet.

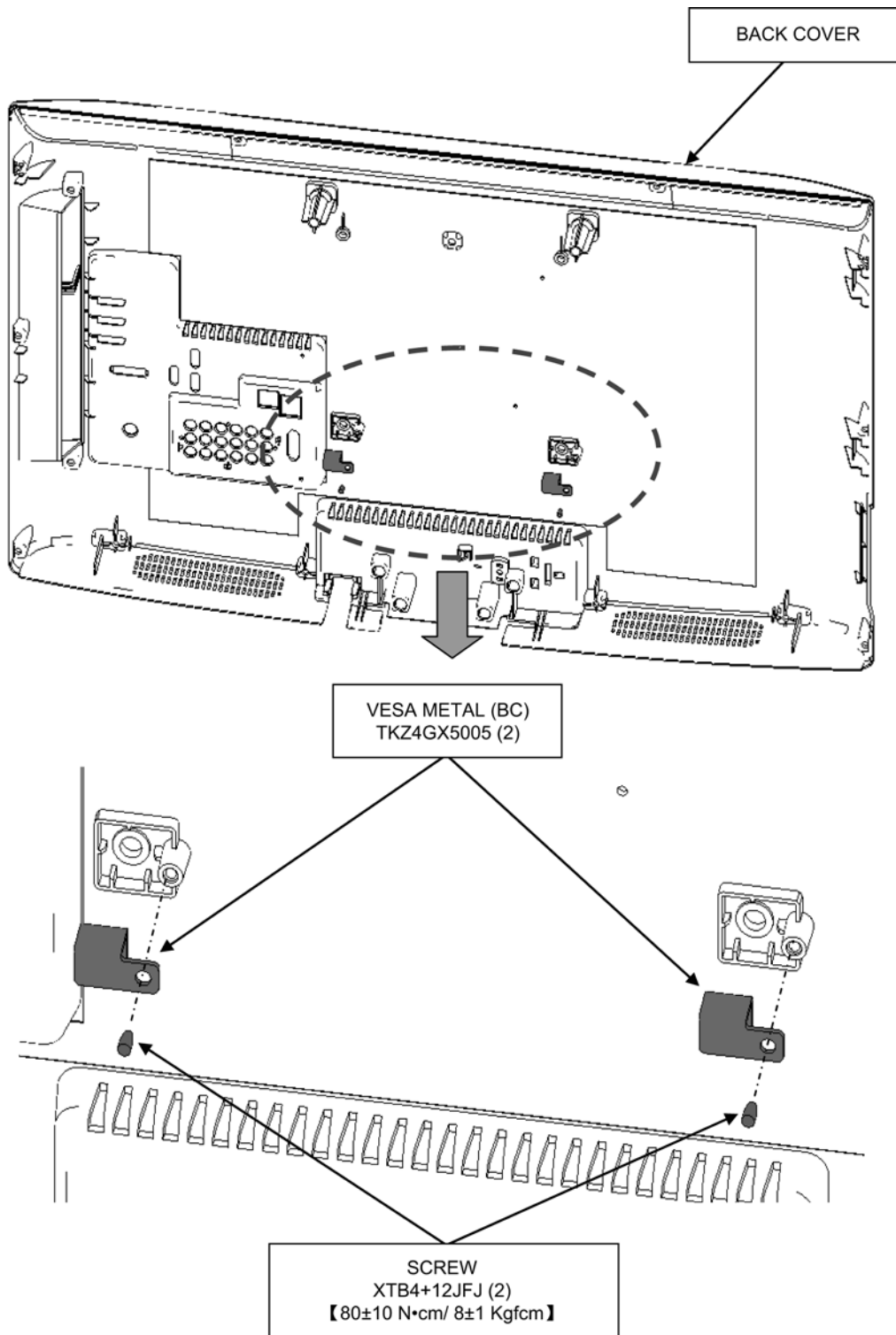


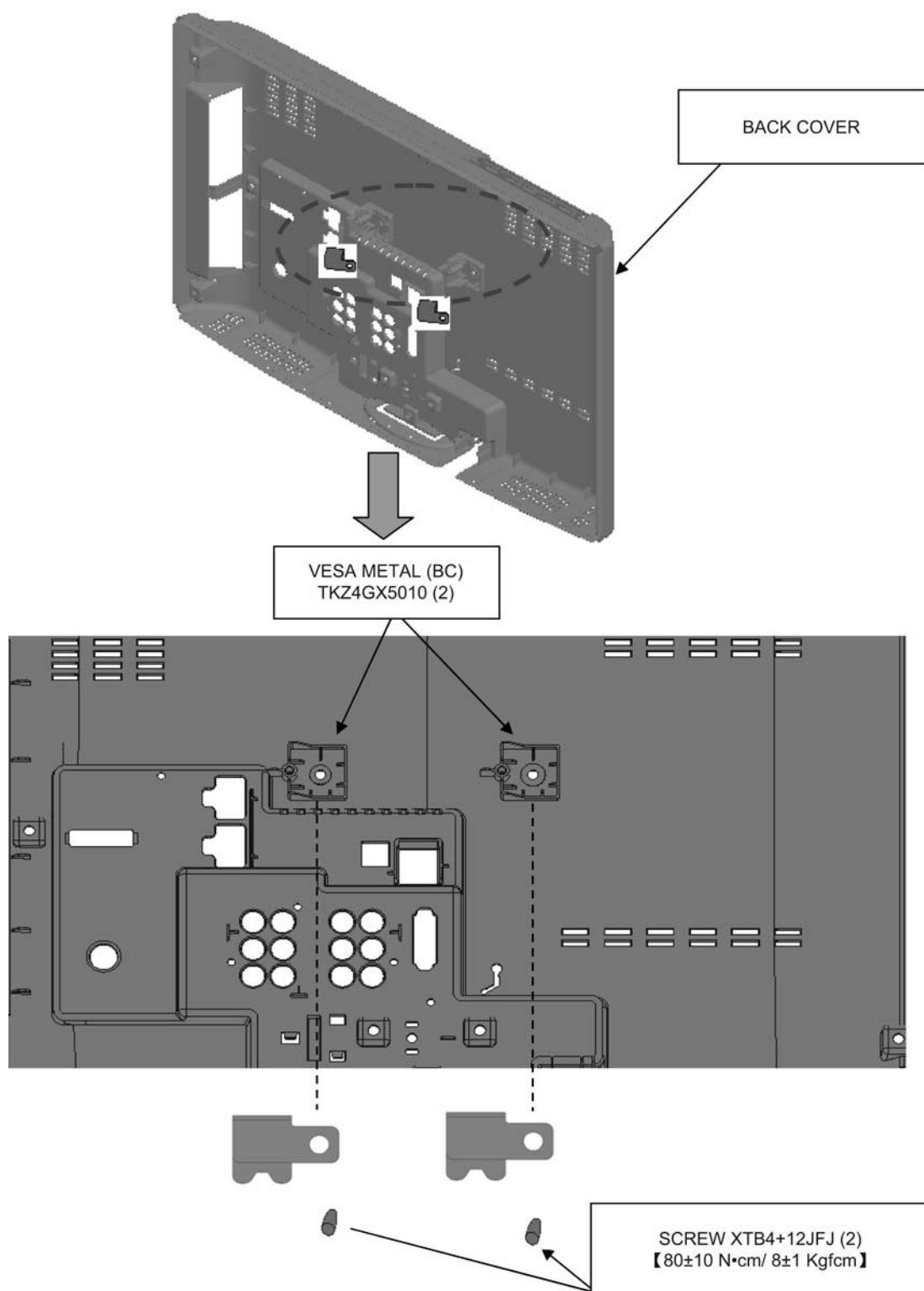
4. Fix CONTROL PANEL ASSY to cabinet.



6.13. VESA (BC) Installation

1. Put VESA METAL (BC) on the BACK COVER.
2. Fix them with SCREWS.

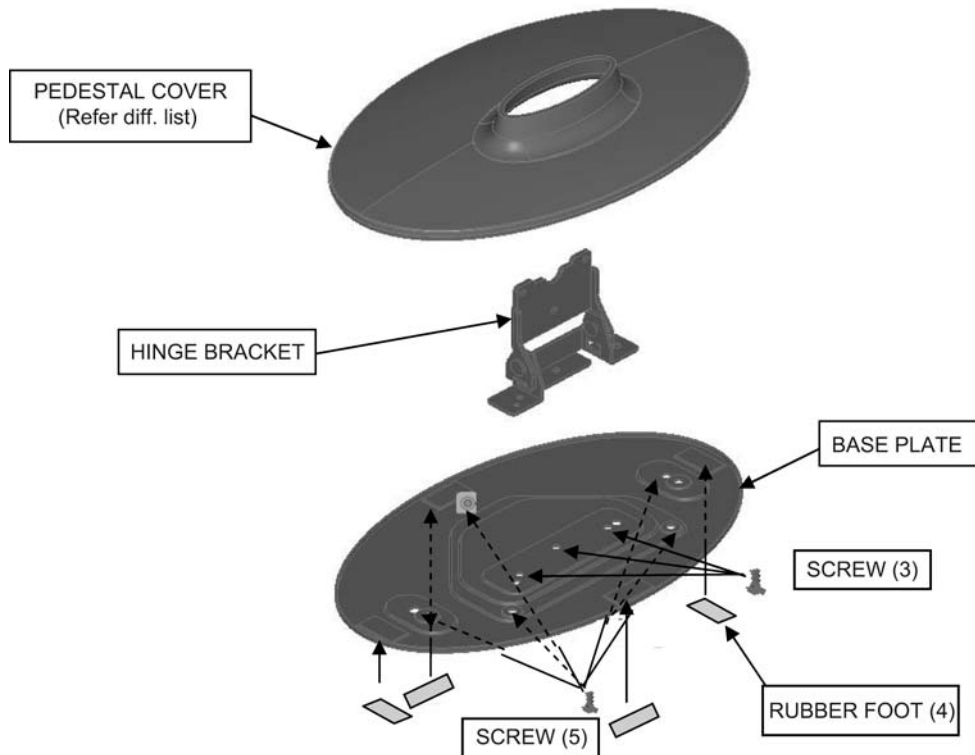




6.14. Pedestal Assembly

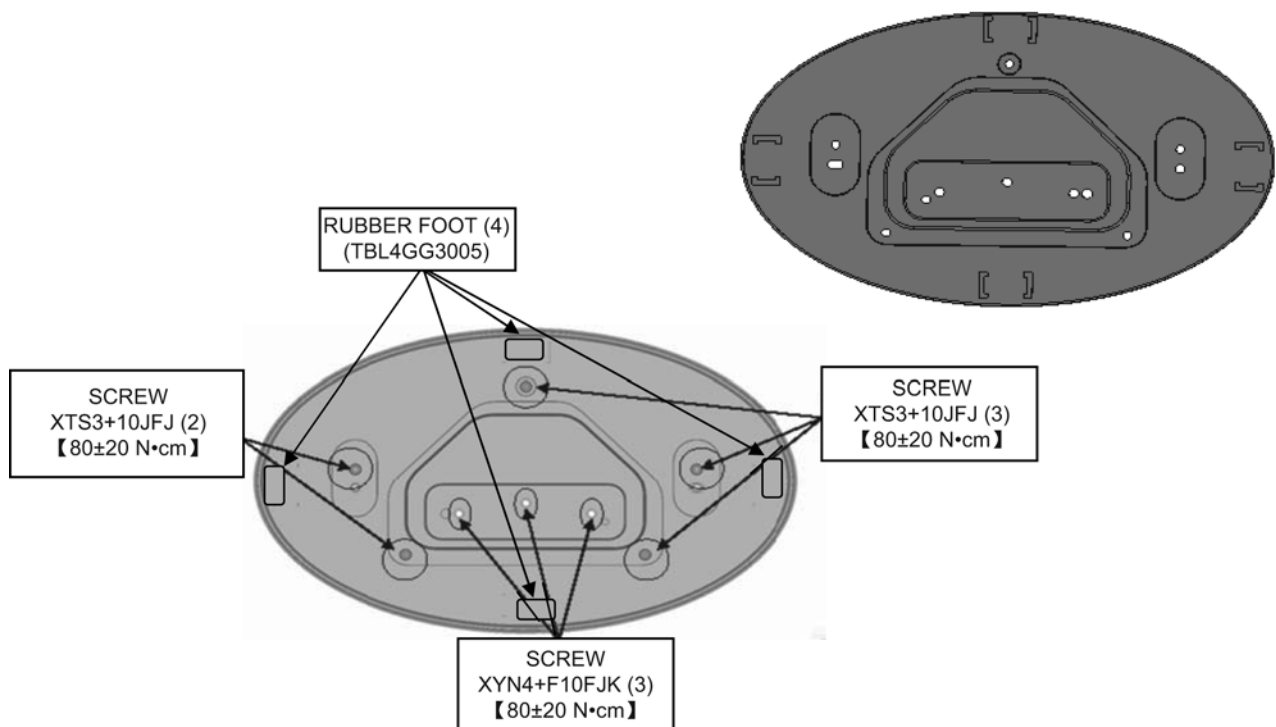
Step 1

1. Setting HINGE BRACKET and BASE PLATE with SCREWS.
2. Setting PEDESTAL COVER and BASE PLATE with SCREWS.



Step 2

1. Stick the RUBBER FOOT at bottom BASE PLATE.
2. RUBBER FOOT (TBL4GG3005 - 4 pcs) stick at BASE PLATE.



7 Service Mode Adjustment

Set timer to 30min, press the “RECALL” button on the remote control and press “-” vol button on the LCD panel.

- Press button R and G for adjustment.

7.1. Self Check Mode

1. Press the “MENU” button (on the remote control) and the “DOWN” button on the LCD panel.
2. Press ON/OFF button on the panel to Exit.

7.2. Hotel Mode Adjustment

1. Press the “VOLUME DOWN” button on the TV panel and simultaneously press the AV button on the remote control 3 times to enter Hotel Mode.
2. Set Hotel mode “on/off”, then press “EXIT” to come out.

7.3. Hotel Mode

1. Purpose

Restrict a function for hotels.

2. Access command to the Hotel mode setup menu.


In order to display the Hotel mode setup menu, please enter the following command **(within 2 second)**.

[TV] : Hold Vol [Down] + [Remote] : Press AV button 3 times.

Then, the Hotel mode setup menu is displayed.

Hotel Mode	
Hotel Mode	Off
Initial INPUT	Off
Initial POS	Off
Initial VOL Level	Off
Maximum Vol Level	100
Button Lock	Off
Remote Lock	Off

Select


 EXIT
 Change
 RETURN

Item	Function
Hotel Mode	Select hotel mode ON/OFF
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : OFF/Analogue TV/Digital TV/AV1/AV2/AV3//PC/HDMI1/HDMI2/HDMI3 • Off: give priority to a last memory. • Selectable input is depend on the model.
Initial POS	Select programme number. Selection : Off/0 to 100 • Off: give priority to a last memory.
Initial VOL level	Adjust the volume when each time power is switched on. Selection/Range : Off/0 to 100 • Off: give priority to a last memory.
Maximum VOL level	Adjust maximum volume. Range : 0 to 100
Button lock	Select local key conditions. Selection : Off/SETUP/MENU/All • Off: altogether valid. • SETUP: only F-key is invalid. (Tuning guide (menu) can not be selected.) • MENU: only F-key is invalid. (only Volume/Mute can be selected.) • ALL: altogether invalid.
Remote lock	Select remote control key conditions. Selection : Off/SETUP/MENU • Off: altogether valid. • SETUP: only Setup menu is invalid. • MENU: Picture/Sound/Setup menu are invalid.

8 Measurements and Adjustments

8.1. Voltage Check

Set IP-Board to a dummy set and check the satisfaction with the specified voltage as following table.

Power Supply Name	Measurement Point	Normal Condition (V)	Standby Condition (V)
AUDIO_VCC	TPP020	17.0 ± 1.5	NO CARE
12V	TPP003	12.0 + 0.6 / -0.45	< 1.0
5VS	TPP010	6.1 ± 0.3	6.1 ± 0.3
STBY_6V	TPP016	6.1 ± 0.3	6.1 ± 0.3

After inspection, discharge the C828(26") or C810(19") with 1kΩ resistor for 0.3 sec. or more

In IP-PCB only, load condition is following

Power Supply Name	Dummy Load Range	Resistor Load
AUDIO_VCC	0 - 1.5A	11 ohm
12V	0.5 - 2.2A	5.6 ohm
5VS	0 - 1.3A	4.3 ohm
STBY_6V	0 - 0.05A	100 ohm

8.2. Power Supply for Writing Data in Board Individual.

Power Supply Name	TP No.	Voltage (V)
5VS	TP2765	5.5 +/- 2%
STB5V	TP2771	5.5 +/- 2%
SUB_TNR_6V	TP2770	5.5 +/- 2%
P17V	TP2763	17 +/- 2%
SUB_F_12V	TP2764	12 +/- 2%
GND	TP2766	0

About start up sequence of power supply

Start up other power supplies after starting up STB5V.

8.3. White Balance

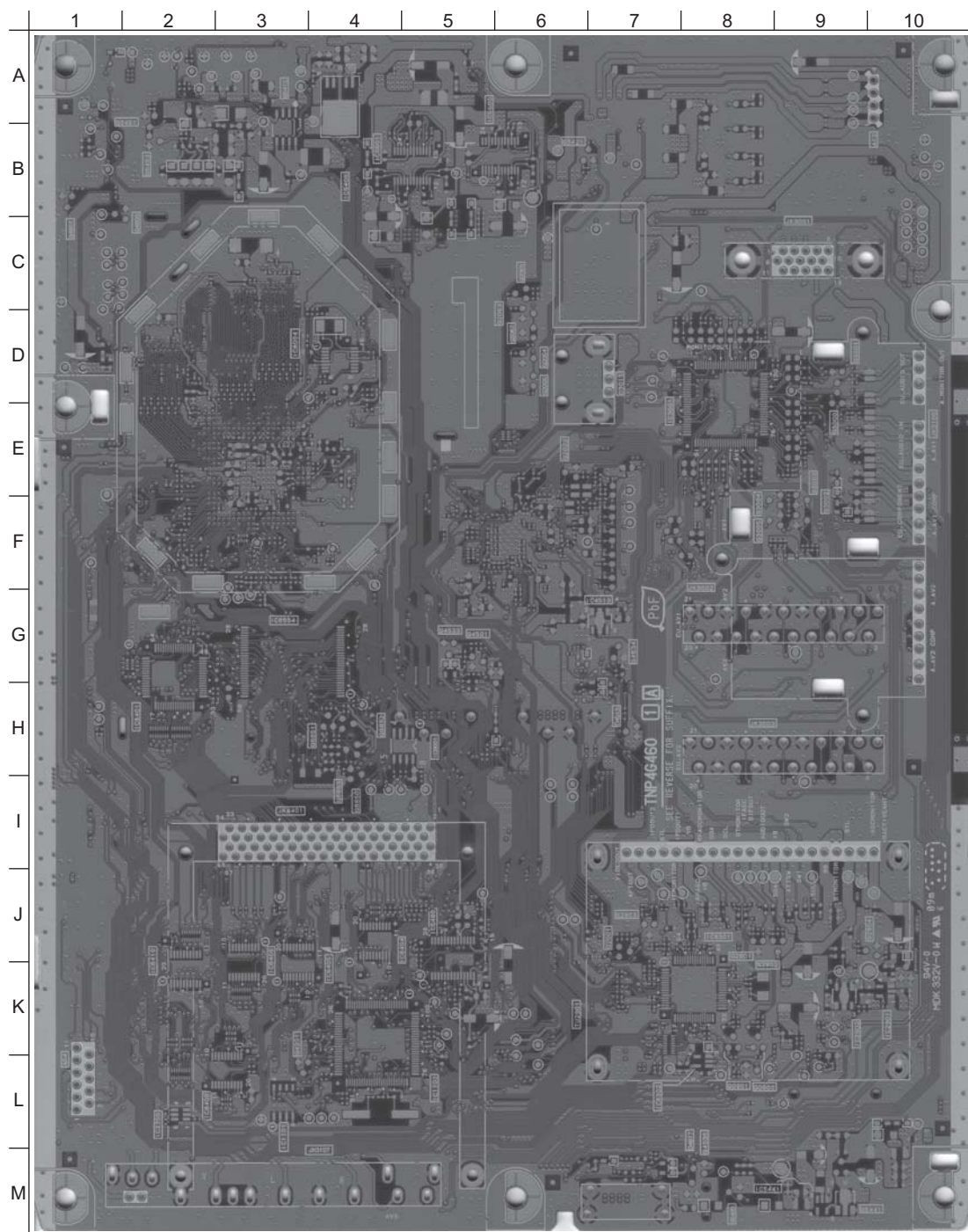
Ambient Temp.	Colour Balance	White			Gray		
		x	y	Y (cd/m2)	x	y	Y (cd/m2)
22.5 - 27.5 deg	Cool	0.271	0.275	>150	0.271	0.275	don't care
	Normal	0.284	0.297	>200	0.284	0.297	
	Warm	0.314	0.324	>150	0.314	0.324	

x, y : +/-0.005 in Normal Colour Balance, +/-0.020 in Warm/Cool Colour Balance

9 Printed Circuit Board

9.1. A-Board

A-Board (A Side)
TNP4G460

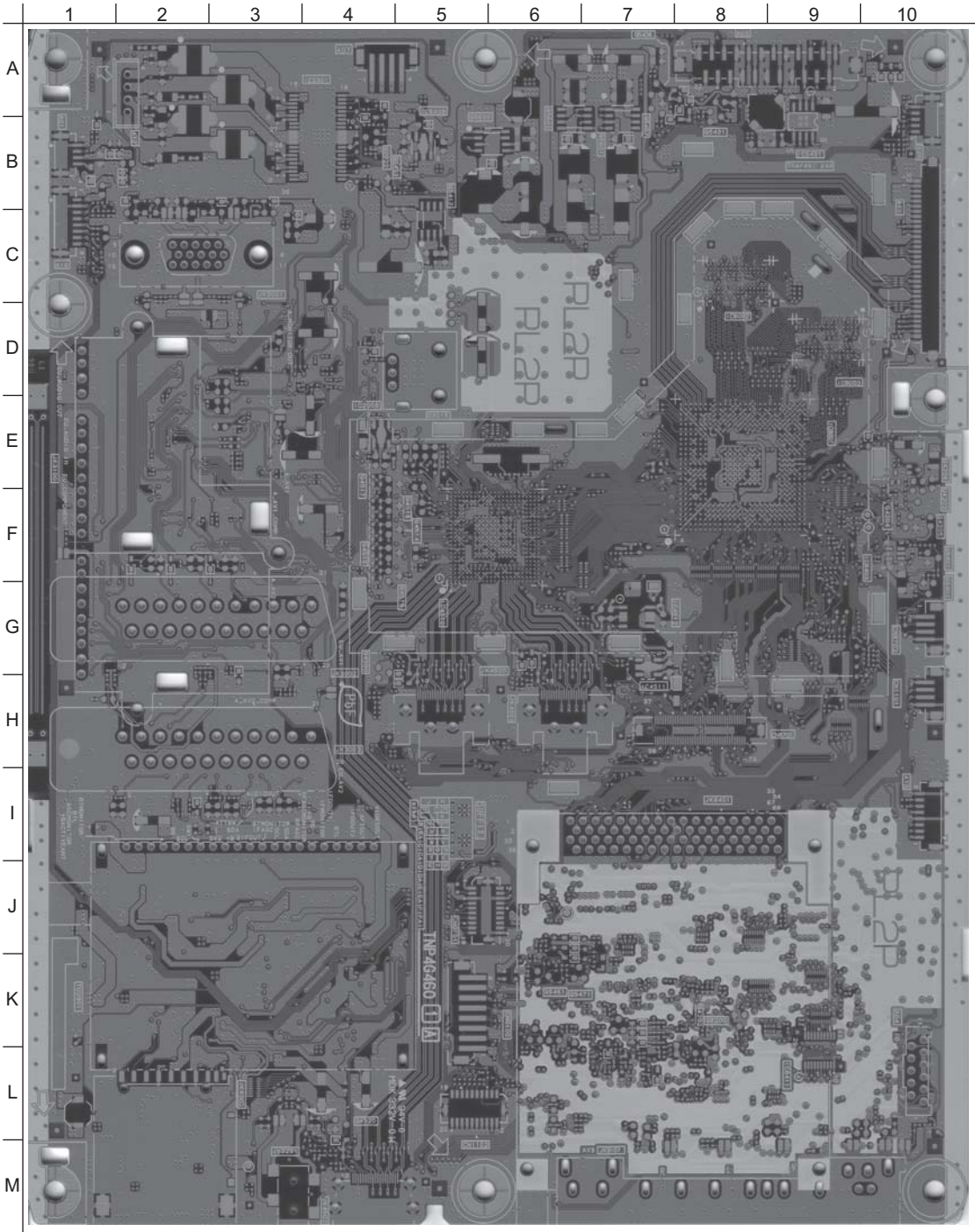


Parts Location

Ref. No	Location	Ref. No	Location	Ref. No	Location	Ref. No	Location
IC1100	K4	IC5441	M9	IC8404	J4	D3015	D7
IC1101	L3	IC5480	J5	IC8405	J3	D4513	H7
IC2750	L2	IC5600	B5	IC8408	J3	D4617	L8
IC2901	K10	IC5601	B5	IC8409	L2		
IC2902	K9	IC8004	D4	IC8410	J2		
IC3001	D8	IC8301	K8	IC8554	G3		
IC4513	G7	IC8302	L8	IC8601	H5		
IC5405	B4	IC8401	H2				

9.2. A-Board

A-Board (B Side)
TNP4G460




Parts Location

Ref. No	Location	Ref. No	Location	Ref. No	Location	Ref. No	Location
IC2008	E4	IC4512	G7	IC8002	C8	D3015	E5
IC2301	A4	IC5409	B5	IC8003	D9		
IC4510	F5	IC5451	B9	IC8403	F10		
IC4511	G7	IC8001	E9	IC8411	L9		

10 Schematic Diagram

10.1. Schematic Diagram Notes

Important Safety Notice

Components identified by  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Notes :

1. Resistor

Unit of resistance is OHM [Ω] (K = 1 000, M = 1 000 000).

2. Capacitor

Unit of capacitance is μ F unless otherwise noted.

3. Coil

Unit of inductance is μ H unless otherwise noted.

4. Test Point



: Test Point position

5. Earth Symbol



: Chassis Earth (Cold)



: Line Earth (Hot)

6. Voltage Measurement

Voltage is measured using DC voltmeter.

Conditions of the measurement are the following :

Power Source.....AC AUTO 110-240 V, 50/60 Hz

Receiving Signal.....Colour Bar signal (RF)

All customer's controls.....Maximum positions

7. Number in red circle indicates waveform number.

(See waveform pattern table)

8. When an arrow mark () is found, connection is easily found from the direction of the arrow.

9. Indicates the major signal flow: Video Audio

10. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks :

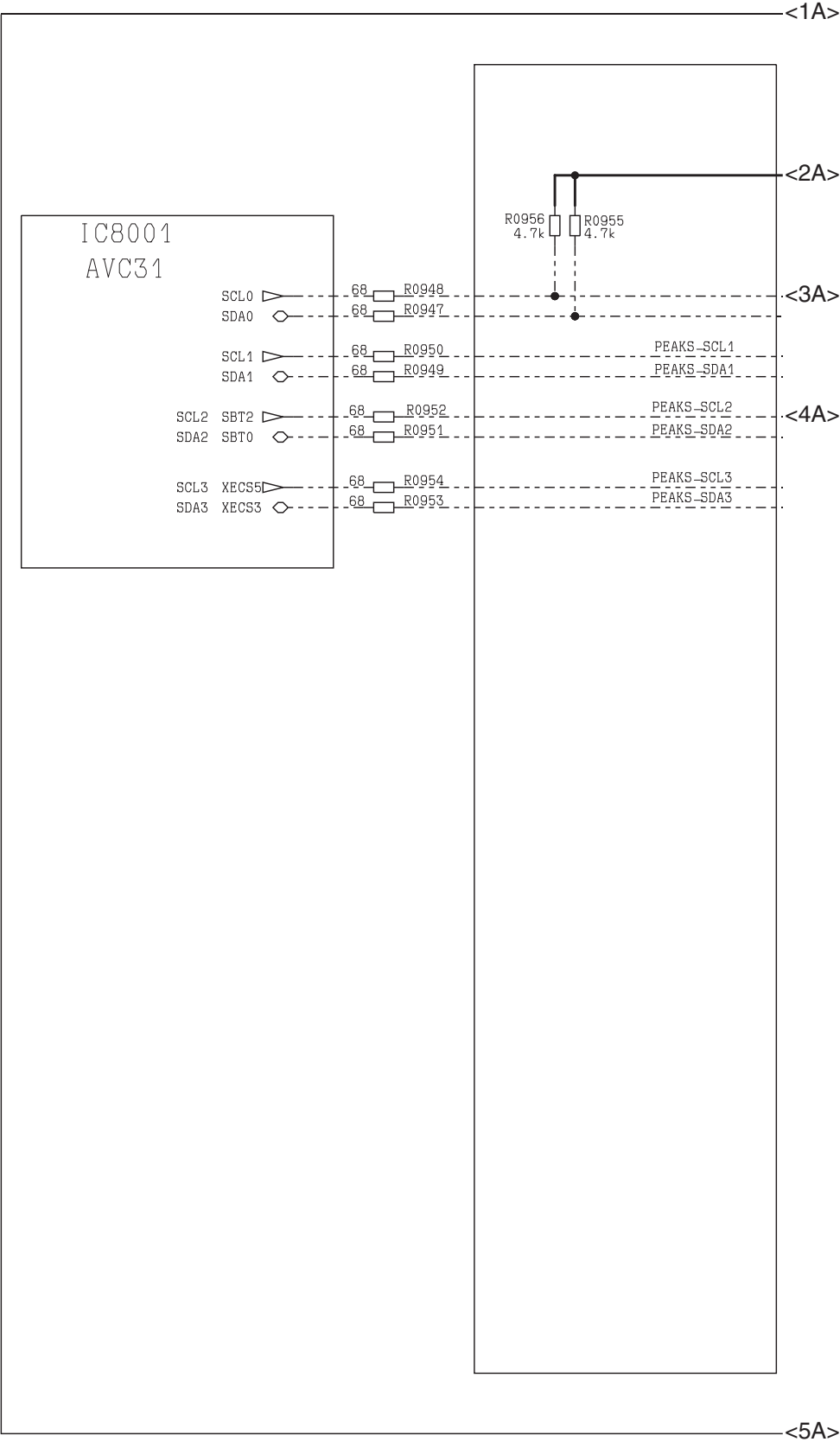
1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions: All circuits, except the Power Circuit are cold.

Precautions:

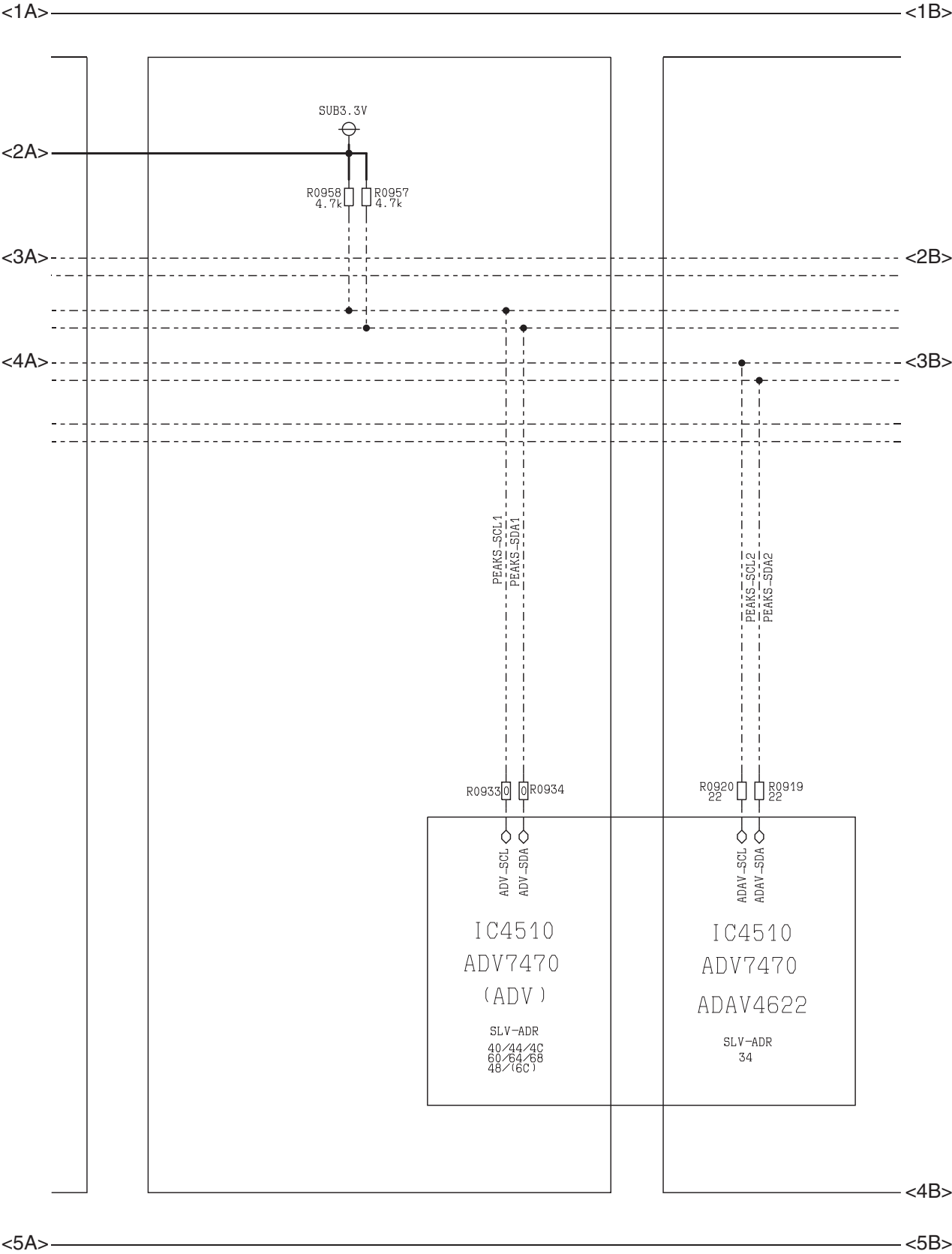
- a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
- b. Do not short-circuit the hot and cold circuits or a fuse may blow and parts may break.
- c. Do not connect an instrument such as an oscilloscope to the hot and cold circuits simultaneously or a fuse may blow. Connect the earth of instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the chassis.

10.2. A Board

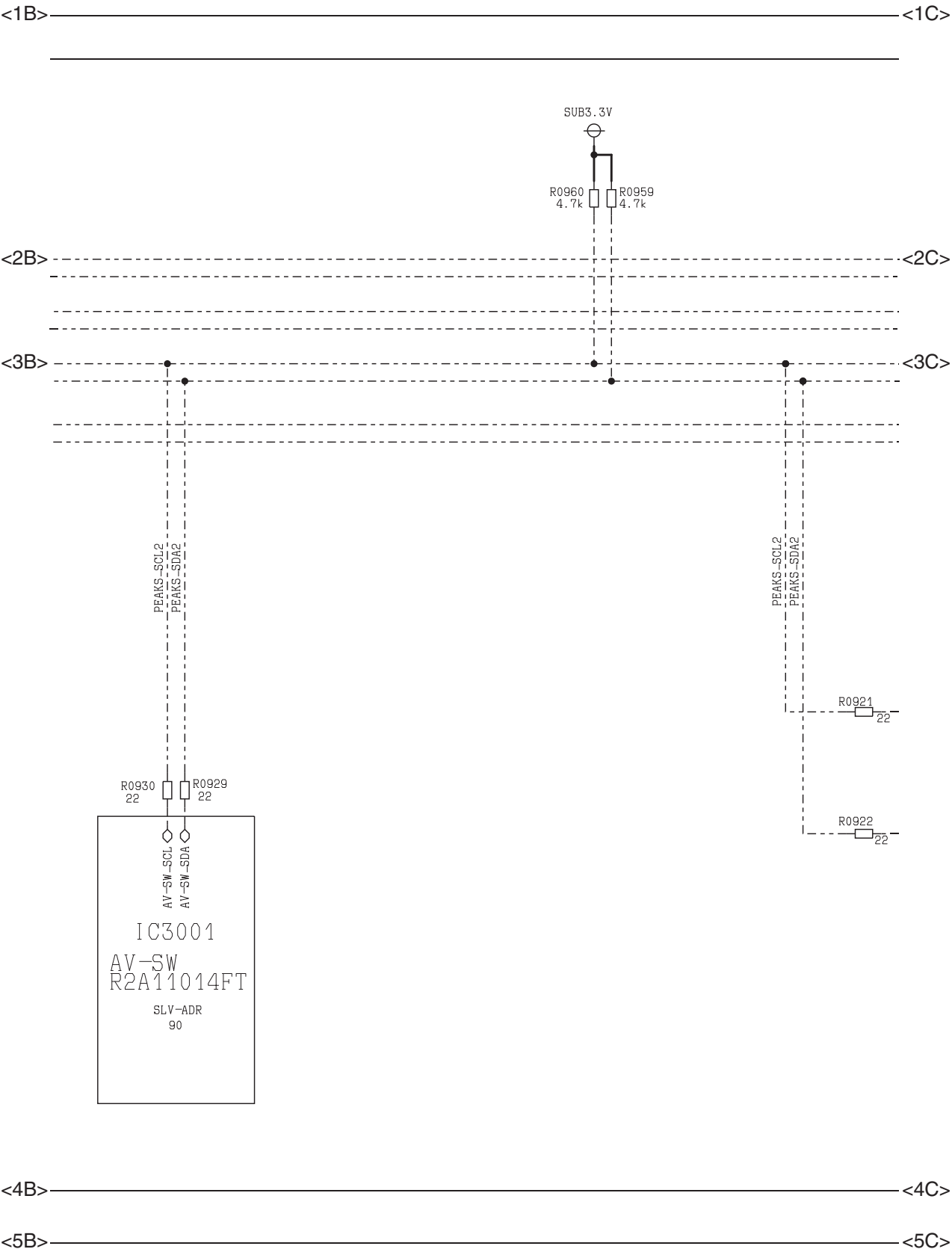
10.2.1. A Board - Sheet : 001 (1 / 8)



10.2.2. A Board - Sheet : 001 (2 / 8)



10.2.3. A Board - Sheet : 001 (3 / 8)

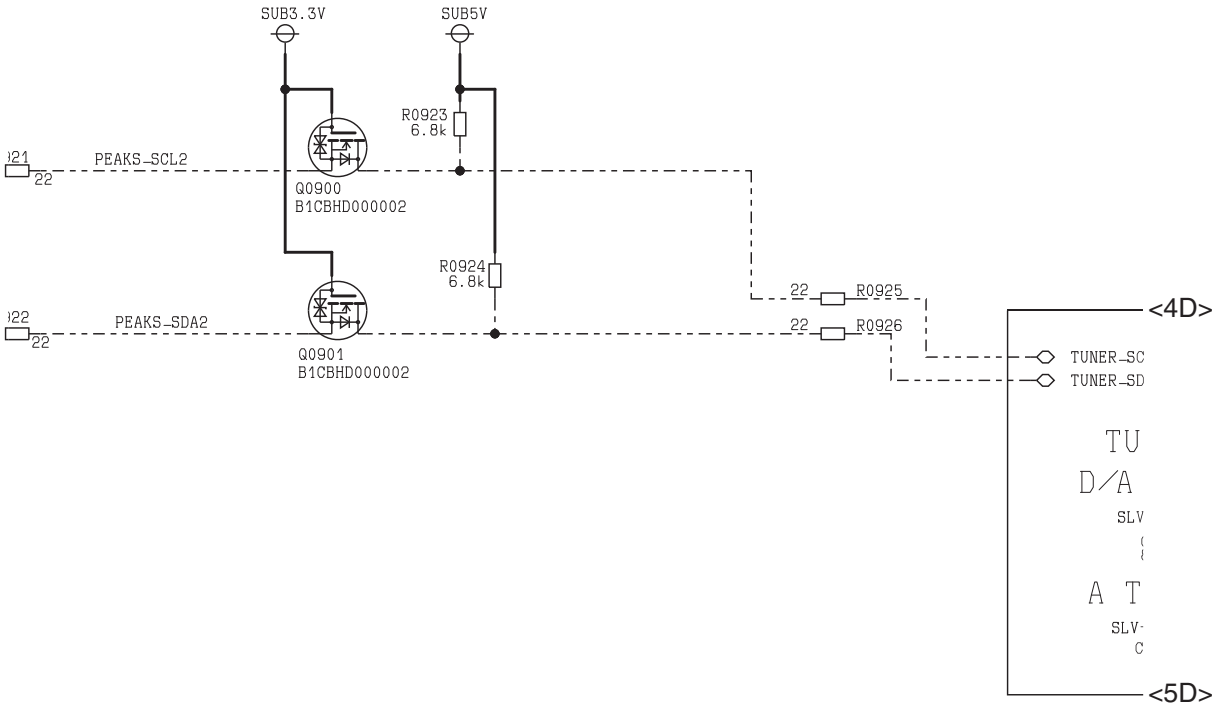


10.2.4. A Board - Sheet : 001 (4 / 8)

<1C>_____<1D>

<2C>-----<2D>

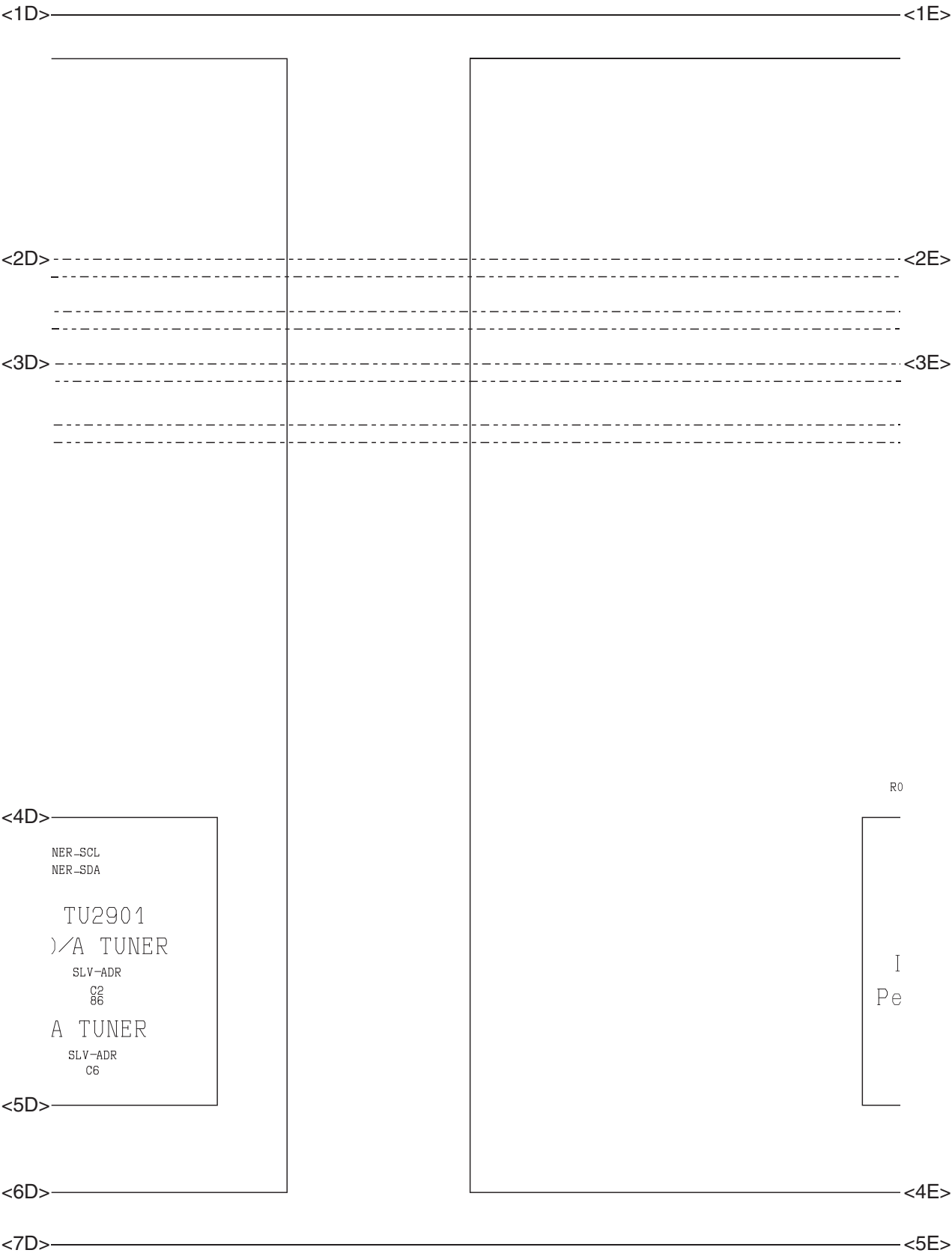
<3C>-----<3D>



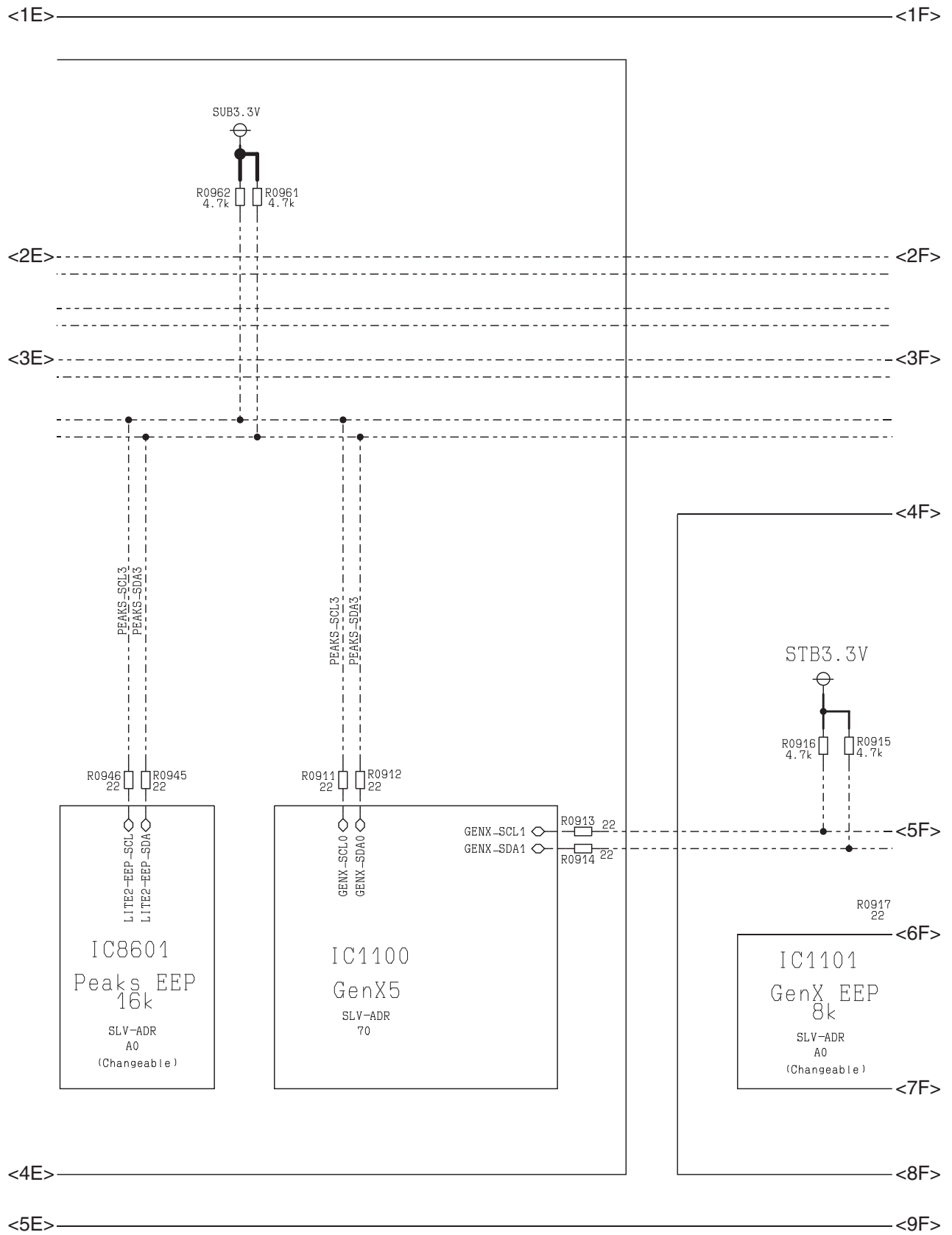
<4C>_____<6D>

<5C>_____<7D>

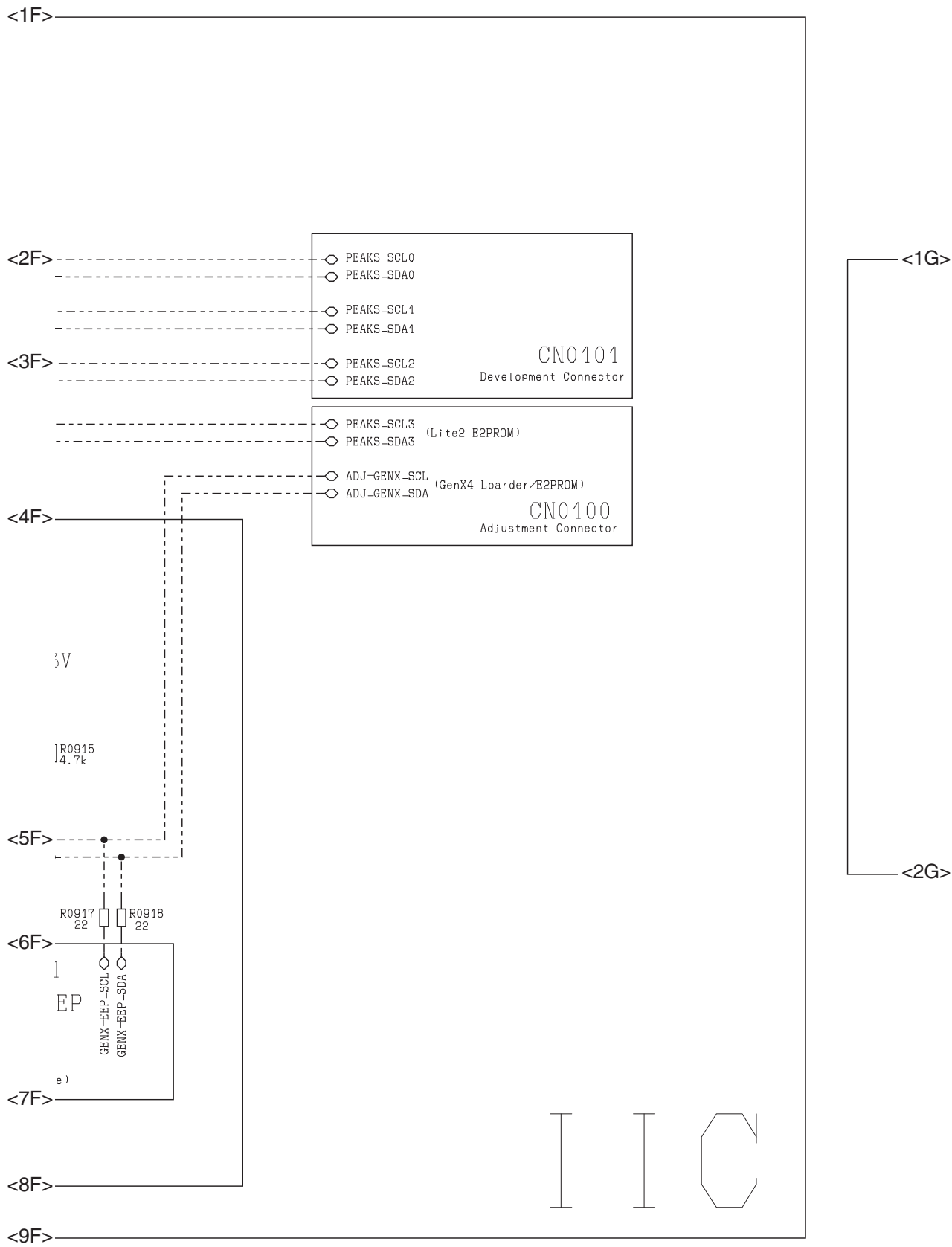
10.2.5. A Board - Sheet : 001 (5 / 8)



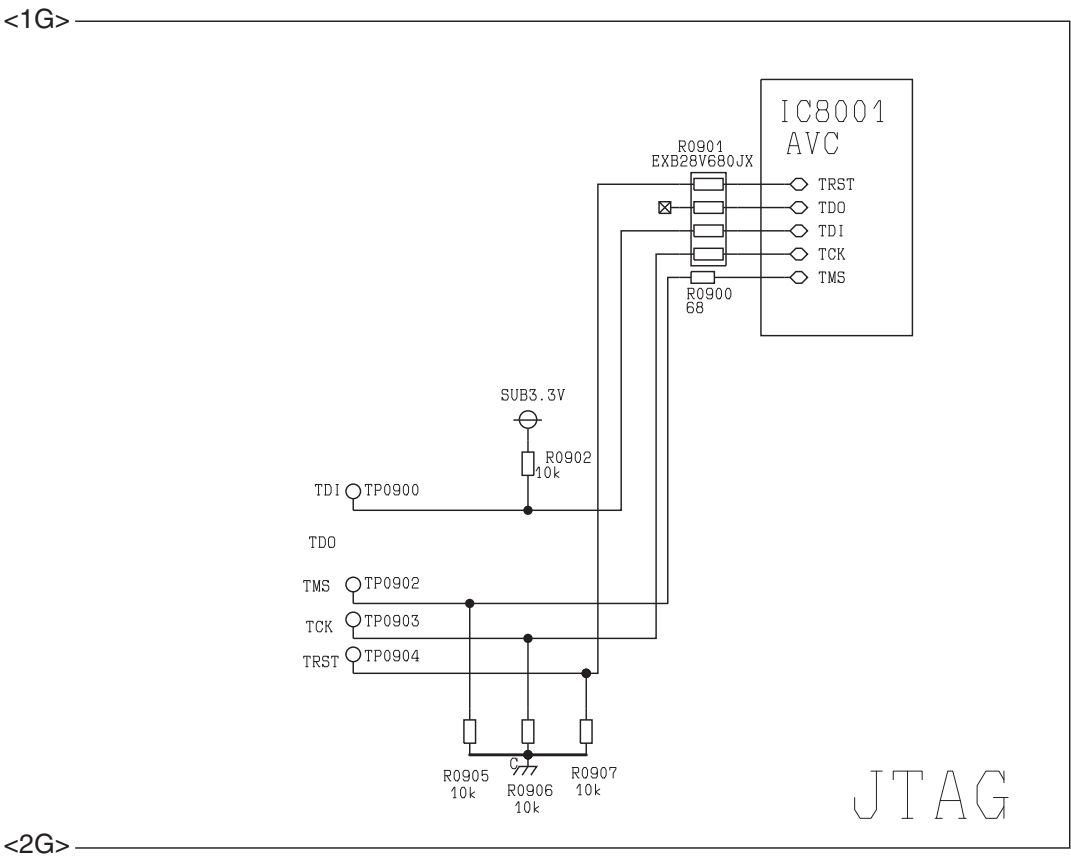
10.2.6. A Board - Sheet : 001 (6 / 8)



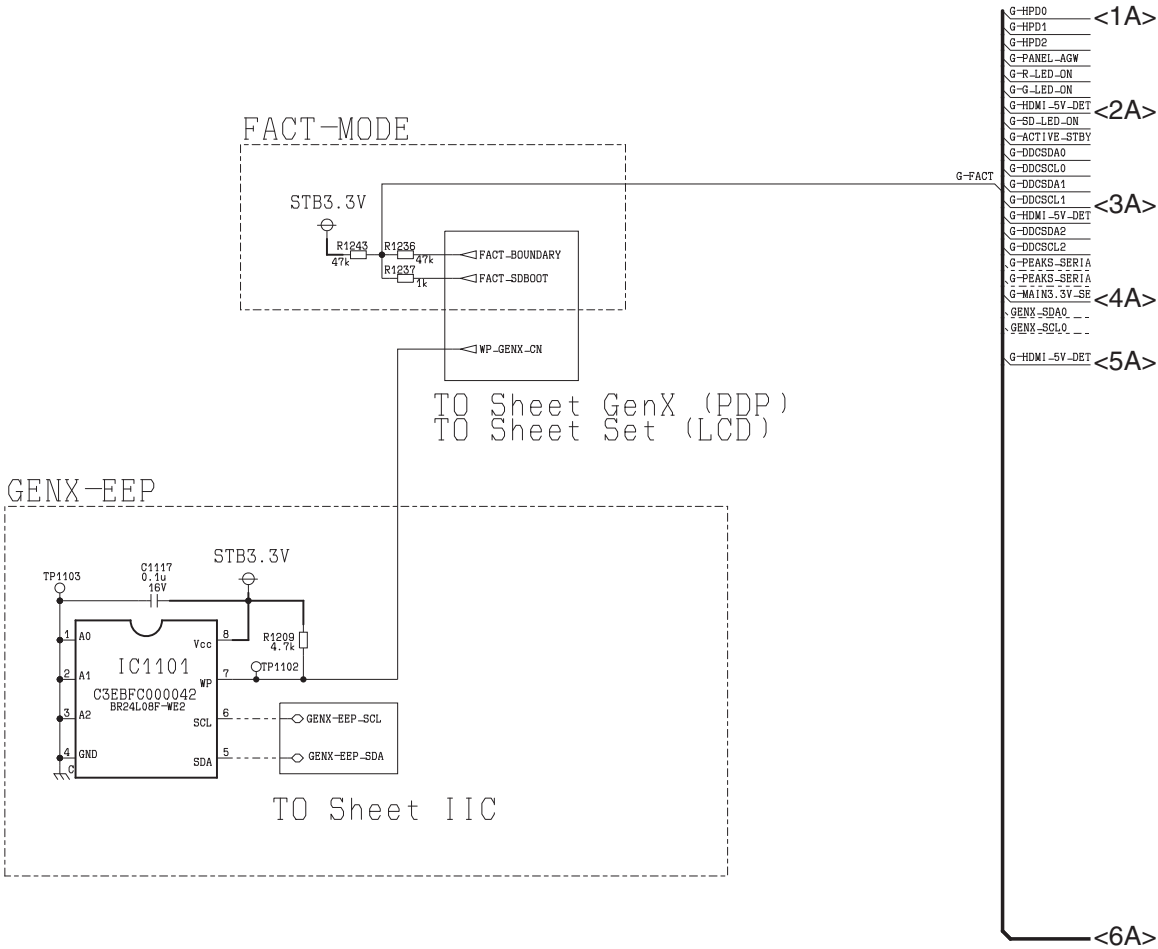
10.2.7. A Board - Sheet : 001 (7 / 8)



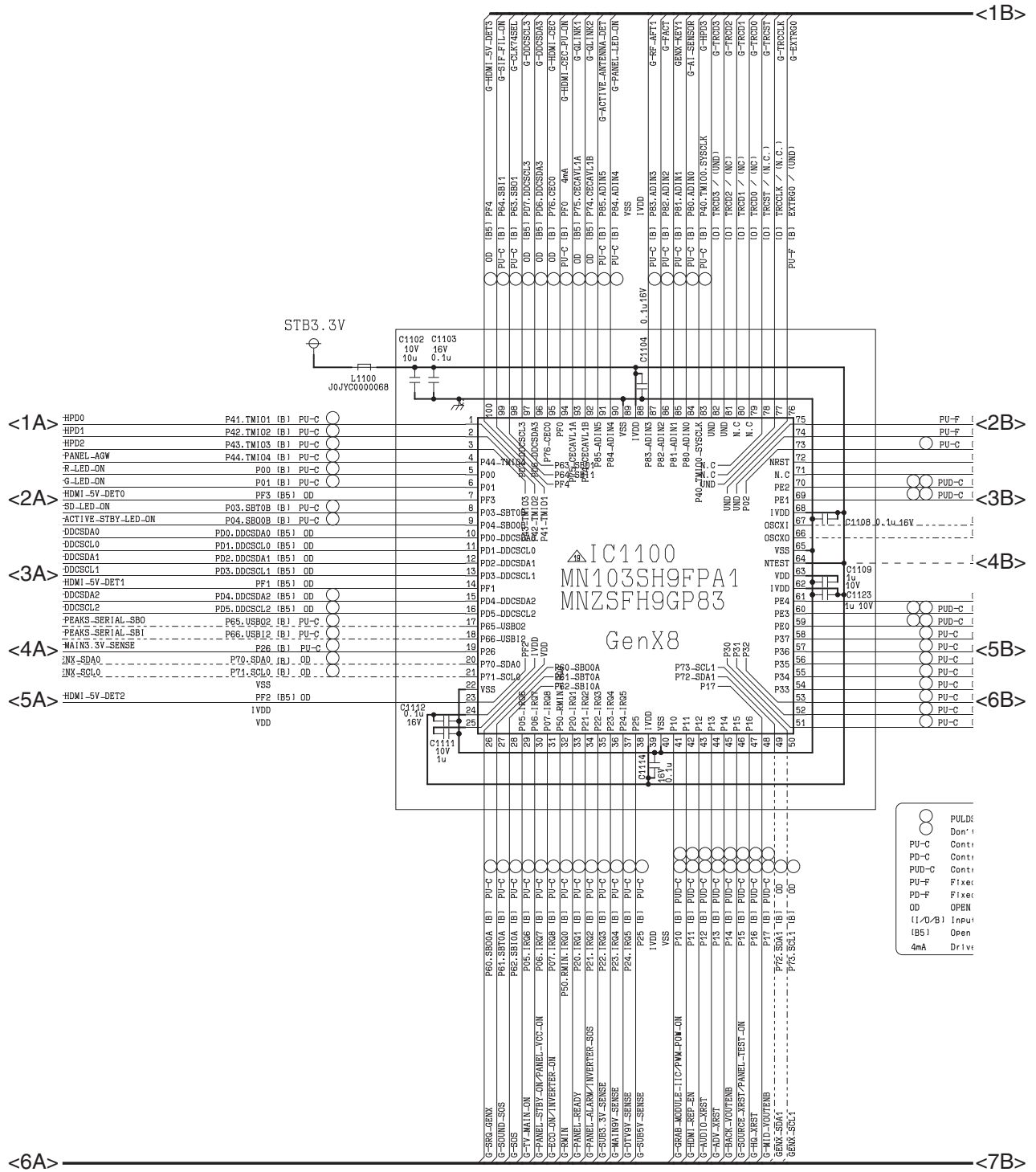
10.2.8. A Board - Sheet : 001 (8 / 8)



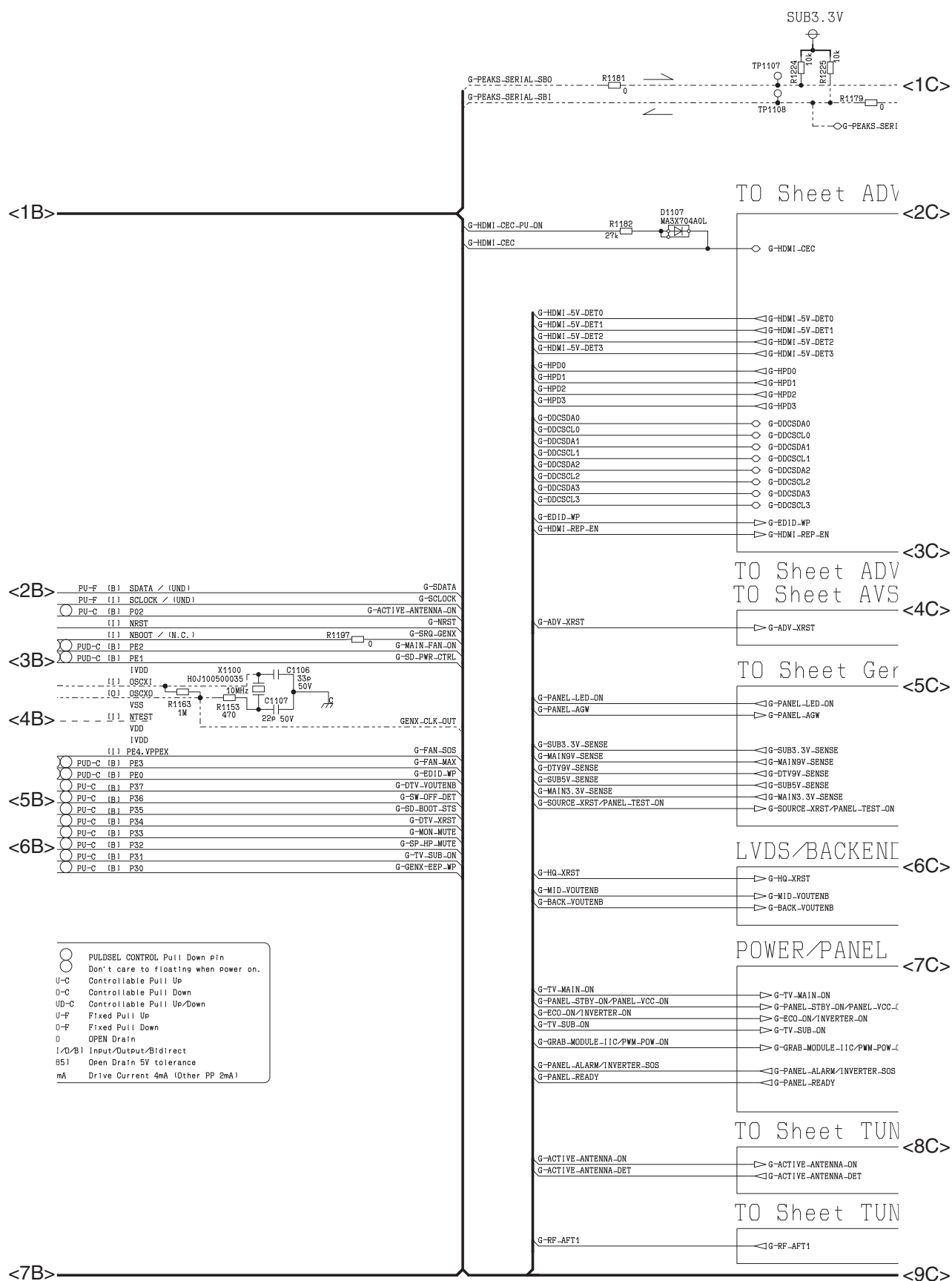
10.2.9. A Board - Sheet : 002 (1 / 6)



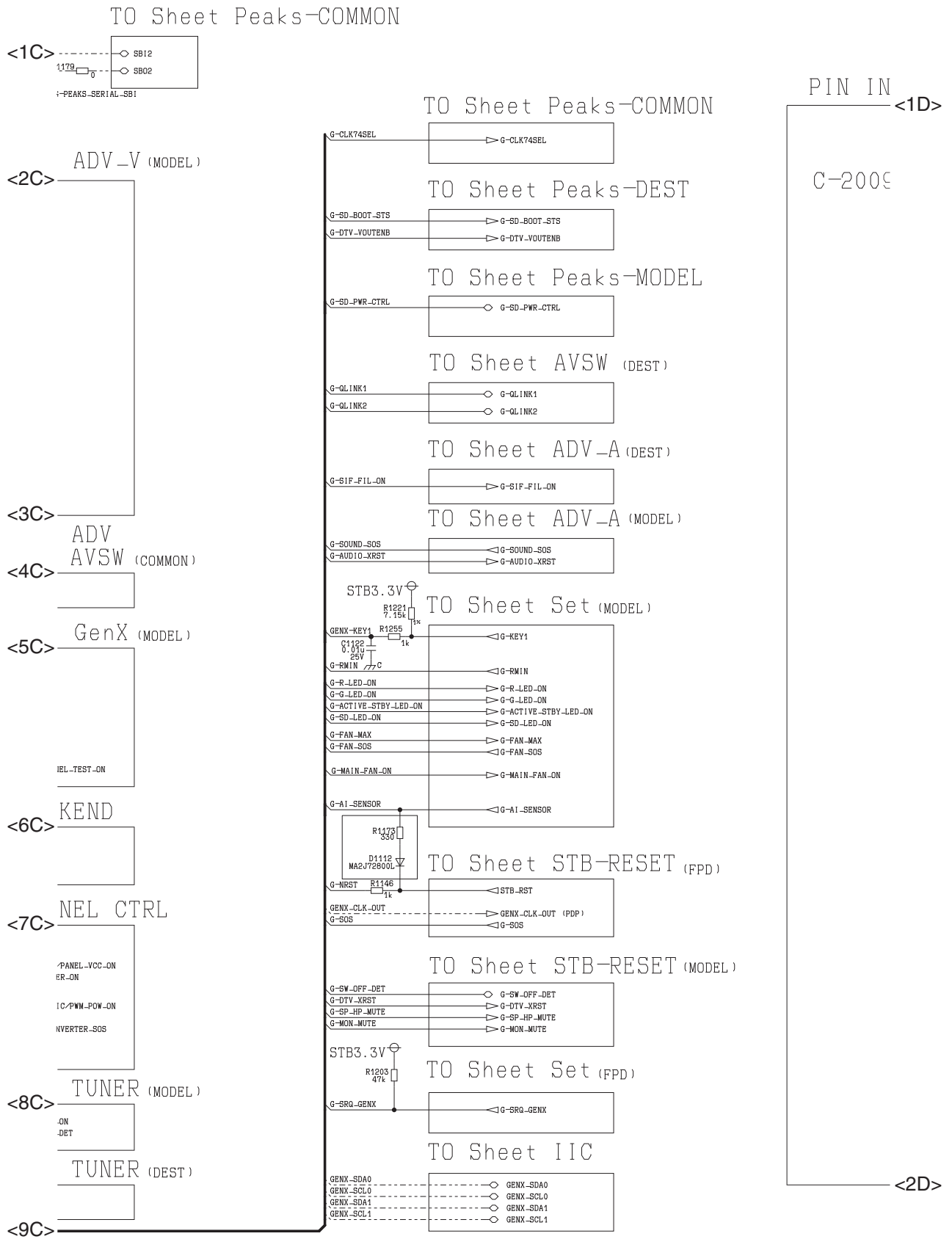
10.2.10. A Board - Sheet : 002 (2 / 6)



10.2.11. A Board - Sheet : 002 (3 / 6)



10.2.12. A Board - Sheet : 002 (4 / 6)



10.2.13. A Board - Sheet : 002 (5 / 6)

<1D>

N INFORMATION

2009_shigen080703.xls

R-LED-ON - DIR: 0 L: OFF H: ON STB-STS: H
G-LED-ON - DIR: 0 L: OFF H: ON STB-STS: L
(Active-Antenna-ON) - DIR: 0 L: OFF H: ON STB-STS: L
SD-LED-ON - DIR: 0 L: OFF H: ON STB-STS: L
ACTIVE-STBY-LED-ON - DIR: 0 L: OFF H: ON STB-STS: L
TV-MAIN-ON - DIR: 0 L: OFF H: ON STB-STS: L
PANEL-STBY-ON/PANEL-VCC-ON - DIR: 0 L: OFF H: ON STB-STS: L
ECO-ON/INVERTER-ON - DIR: 0 L: NORMAL/OFF H: ECO/ON STB-STS: H/L
GRAB-MODULE-IIC/PWM-POW-ON - DIR: 0 L: Peaks-GenX6/OFF H: GenX5-GenX6/ON STB-STS: L
HDMI-REP-EN - DIR: 0 L: DISABLE H: ENABLE STB-STS: L
AUDIO-XRST - DIR: 0 L: RESET H: ACTIVE STB-STS: L
ADV-XRST - DIR: 0 L: RESET H: ACTIVE STB-STS: L
BACK-VOUTENB - DIR: 0 L: OFF H: OUTPUT STB-STS: L
SOURCE-XRST - DIR: 0 L: RESET H: ACTIVE STB-STS: L
HQ-XRST - DIR: 0 L: RESET H: ACTIVE STB-STS: L
MID-VOUTENB - DIR: 0 L: OFF H: OUTPUT STB-STS: L
PANEL-READY - DIR: 1 L: comm-NG H: comm-OK STB-STS: -
PANEL-ALARM/INVERTER-SOS - DIR: 1 L: SOS/NORMAL H: NORMAL/SOS STB-STS: -
SUBS_3V_SENSE - DIR: 1 L: SHORT H: NORMAL STB-STS: -
MAIN9V_SENSE - DIR: 1 L: SHORT H: NORMAL STB-STS: -
DTV9V_SENSE - DIR: 1 L: SHORT H: NORMAL STB-STS: -
SUBSV_SENSE - DIR: 1 L: SHORT H: NORMAL STB-STS: -
MAINS_3V_SENSE - DIR: 1 L: SHORT H: NORMAL STB-STS: -
GenX-EEP-WP - DIR: 0 L: Write H: PROTECT STB-STS: H
TV-SUB-ON - DIR: 0 L: OFF H: ON STB-STS: L
SP-HP-MUTE - DIR: 0 L: OUTPUT H: MUTE STB-STS: L
MON-MUTE - DIR: 0 L: OUTPUT H: MUTE STB-STS: L
DTV-XRST - DIR: 0 L: RESET H: ACTIVE STB-STS: L
SD-BOOT-STS - DIR: 0 L: NORMAL H: SDBOOT STB-STS: L
SW-OFF-DET - DIR: 1/O L: EMERGENCY H: NORMAL STB-STS: L
DTV-VOUTENB - DIR: 0 L: OFF H: OUTPUT STB-STS: L
HPD3 - DIR: 0 L: ENABLE H: DISABLE STB-STS: L
HPD0 - DIR: 0 L: ENABLE H: DISABLE STB-STS: L
HPD1 - DIR: 0 L: ENABLE H: DISABLE STB-STS: L
HPD2 - DIR: 0 L: ENABLE H: DISABLE STB-STS: L
(INV-PSU-ON) - DIR: 0 L: DISABLE H: ENABLE STB-STS: L
RMIN - DIR: RMIN L: - H: - STB-STS:
SRQ-GenX - DIR: 1 L: IIC STOP H: NORMAL STB-STS: -
SOUND-SOS - DIR: 1 L: NORMAL H: SOS STB-STS: -
SOS - DIR: 1 L: NORMAL H: SOS STB-STS: -
CLK74SEL - DIR: 0 L: 74.25 H: 74.1758 STB-STS: L
SIF-FIL-ON - DIR: 0 L: OFF H: ON STB-STS: L
Peaks-Serial-SBO - DIR: USB02 L: - H: - STB-STS: L
Peaks-Serial-SBI - DIR: USB12 L: - H: - STB-STS: L
SDAO - DIR: IIC L: - H: - STB-STS: H
SCL0 - DIR: IIC L: - H: - STB-STS: H
SDA1 - DIR: IIC L: - H: - STB-STS: H
SCL1 - DIR: IIC L: - H: - STB-STS: H
QLINK2 - DIR: AVLINK Qlink for AV1 STB-STS:
QLINK1 - DIR: AVLINK Qlink for AV2 STB-STS:
HDMI-CEC - DIR: CEC L: HDMI CEC H: STB-STS:
AI-SENSOR - DIR: ADC L: Dark H: Bright STB-STS: -
KEY1 - DIR: ADC DAC STB-STS: -
FACT - DIR: ADC L: SD-Boot M: Boundary H: Ordinary STB-STS: -
RF-APT1 - DIR: ADC L: Local Upside H: Local Downside STB-STS: -
PANEL-LED-ON - DIR: 0 L: OFF H: ON STB-STS: L
(Active-Antenna-Det) - DIR: 1 L: Normal H: SHORT STB-STS: -
DDCSDA0 - DIR: DDC1100 L: H: STB-STS:
DDCSCL0 - DIR: DDC1100 L: H: STB-STS:
DDCSDA1 - DIR: DDC1101 L: H: STB-STS:
DDCSCL1 - DIR: DDC1101 L: H: STB-STS:
DDCSDA2 - DIR: DDC1102 L: H: STB-STS:
DDCSCL2 - DIR: DDC1102 L: H: STB-STS:
DDCSDA3 - DIR: DDC1103 L: H: STB-STS:
DDCSCL3 - DIR: DDC1103 L: H: STB-STS:
EDID-WP - DIR: 0 L: PROTECT H: Write STB-STS: L
SD-PWR-CTRL - DIR: 1/O L: OFF H: ON STB-STS: L
MAIN-FAN-ON - DIR: 0 L: OFF H: ON STB-STS: -
FAN-MAX - DIR: 0 PDP L:12V H:1-2.9V H:7V / LCD L:7V H:9V STB-STS: L
FAN-SOS - DIR: 1 L: NORMAL H: SOS STB-STS: -
HDMI-CEC-PU-ON - DIR: 0 L: OPEN H: ON STB-STS: L
HDMI-5V-DET1 - DIR: 1 L: Unplugged H: Plugged STB-STS: -
HDMI-5V-DET2 - DIR: 1 L: Unplugged H: Plugged STB-STS: -
HDMI-5V-DET0 - DIR: 1 L: Unplugged H: Plugged STB-STS: -
HDMI-5V-DETS - DIR: 1 L: Unplugged H: Plugged STB-STS: -

<2D>

SOS

<1E>

G-MAINS_3V_SENSE

G-MAIN9V_SENSE

<2E>

G-SUBSV_SENSE

G-SUBS_3V_SENSE

<3E>

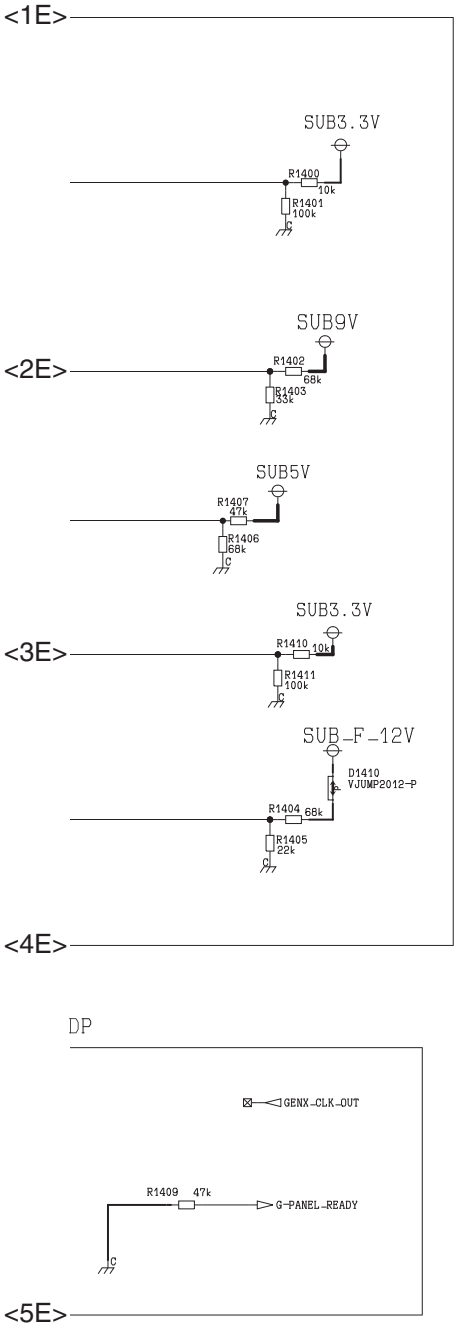
G-DTV9V_SENSE

<4E>

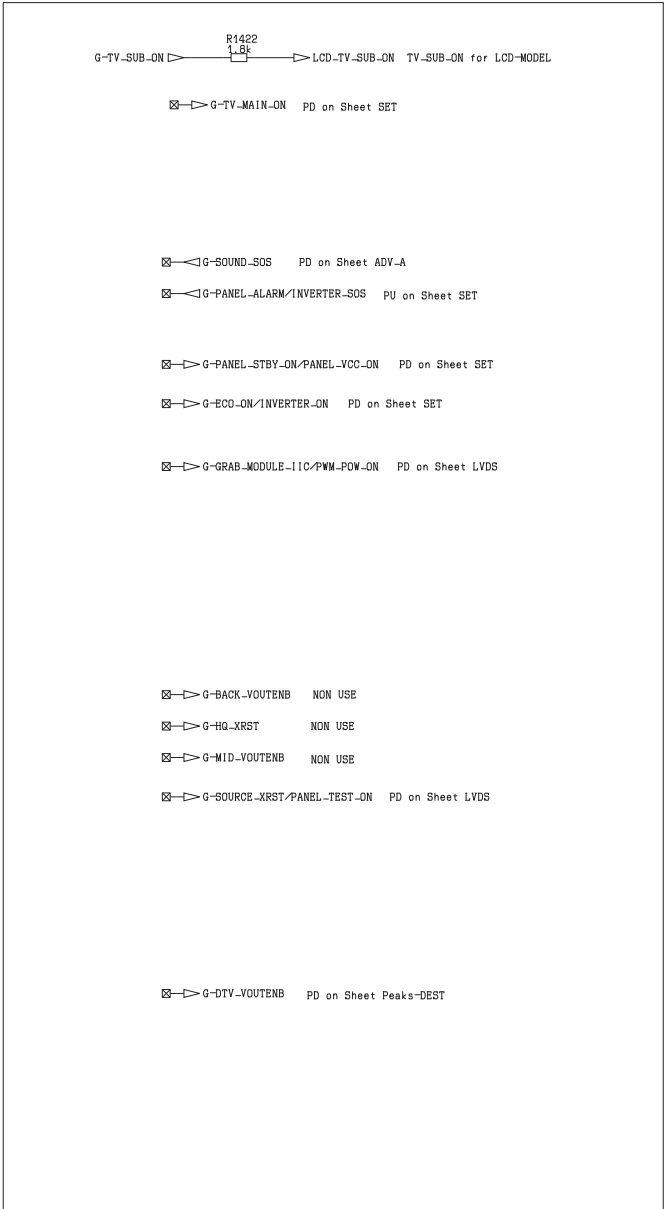
PDP

<5E>

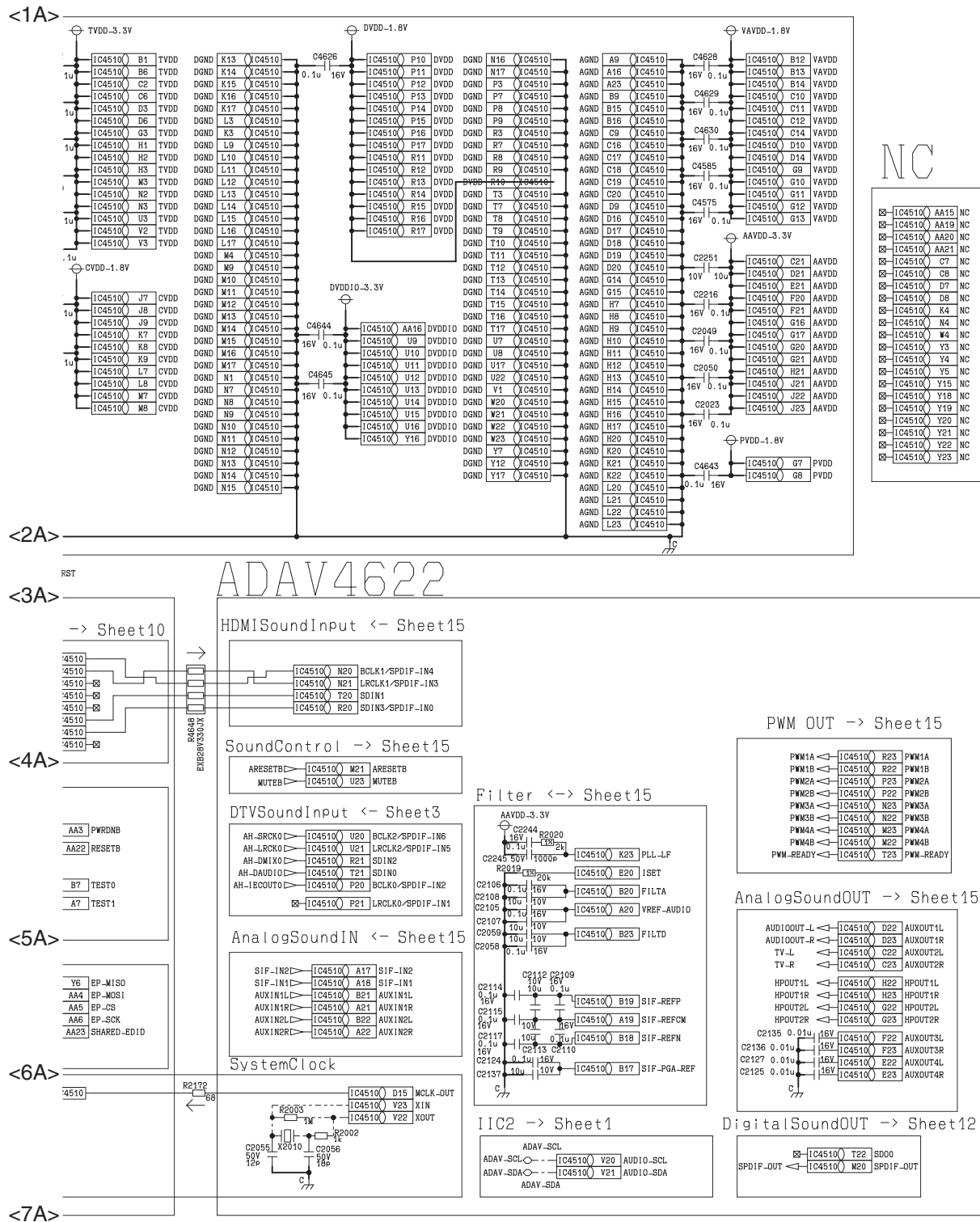
10.2.14. A Board - Sheet : 002 (6 / 6)



Power off reset time polarity setting

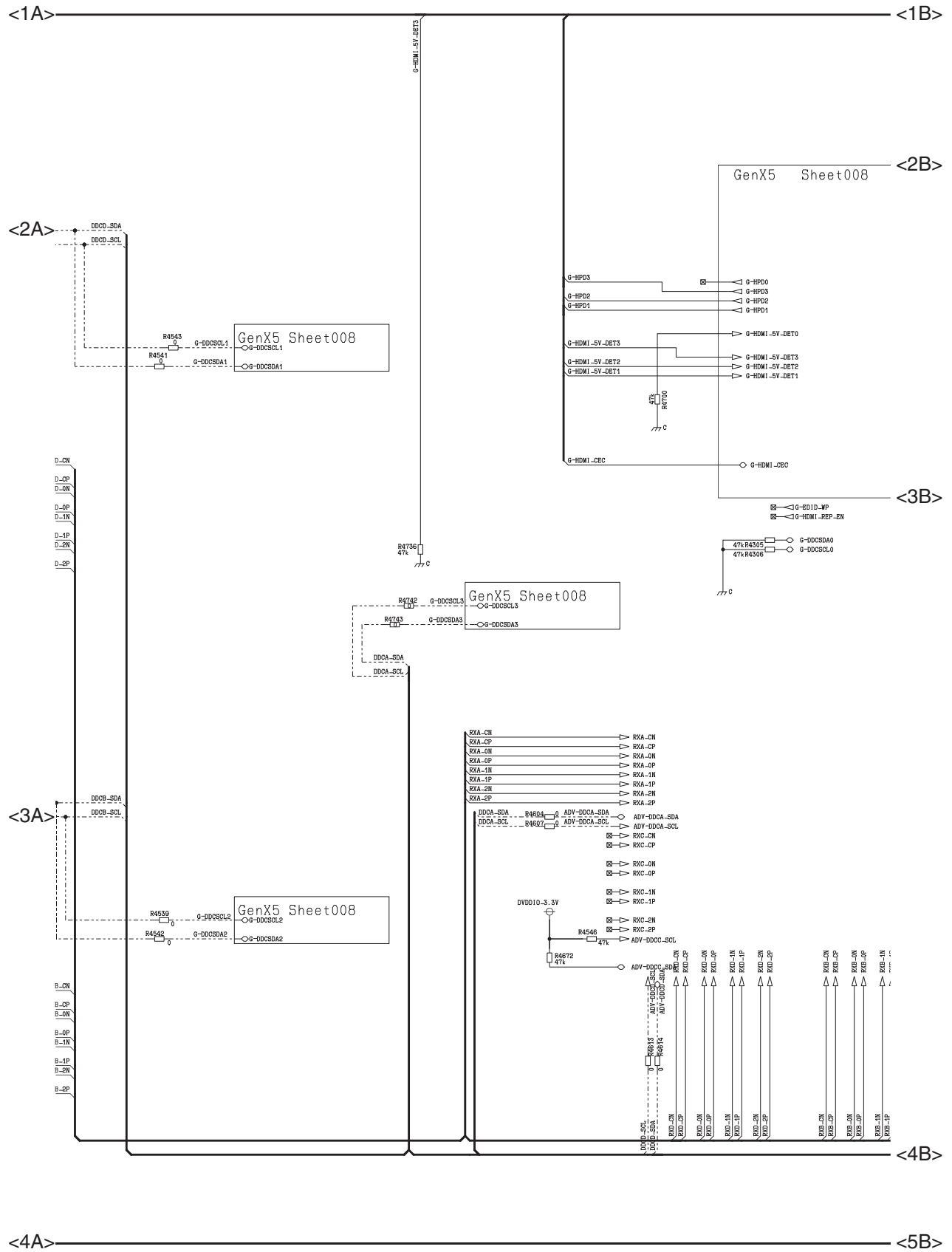


10.2.16. A Board - Sheet : 003 (2 / 2)

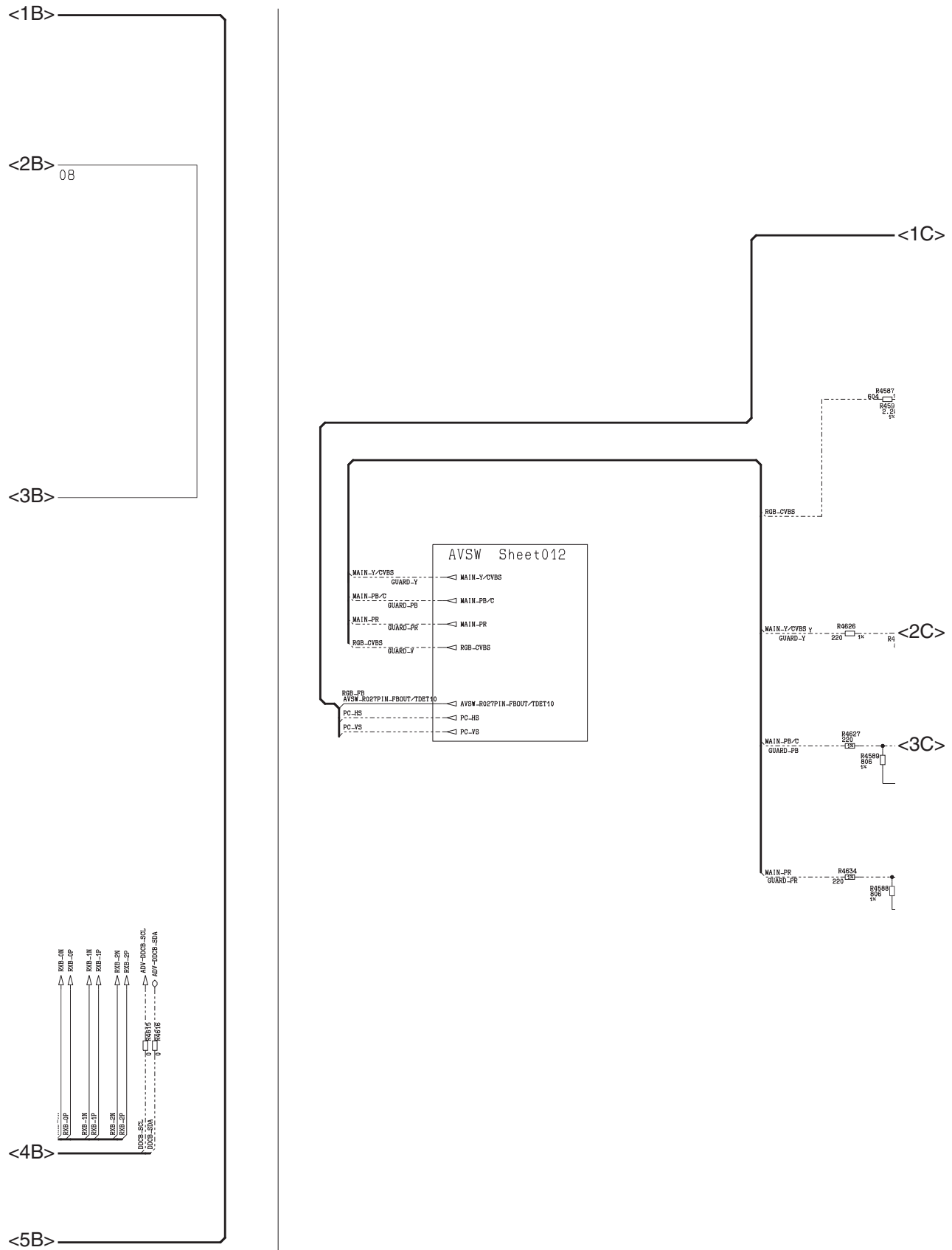




10.2.18. A Board - Sheet : 004 (2 / 5)

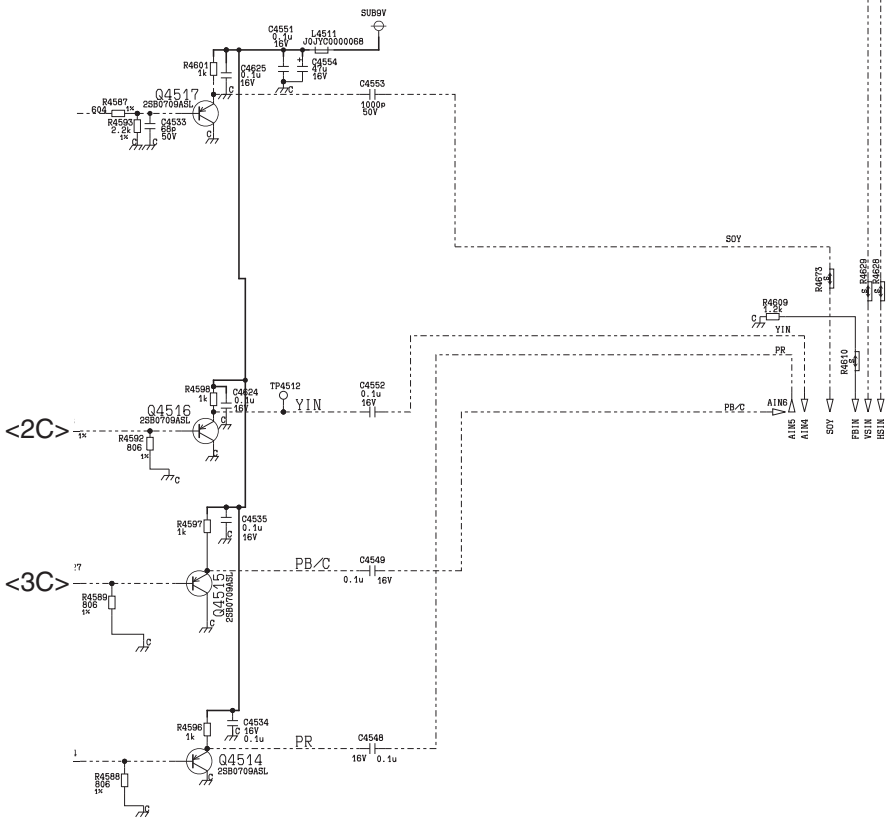


10.2.19. A Board - Sheet : 004 (3 / 5)



10.2.20. A Board - Sheet : 004 (4 / 5)

<1C>



<2C>

<3C>

From ADV747*

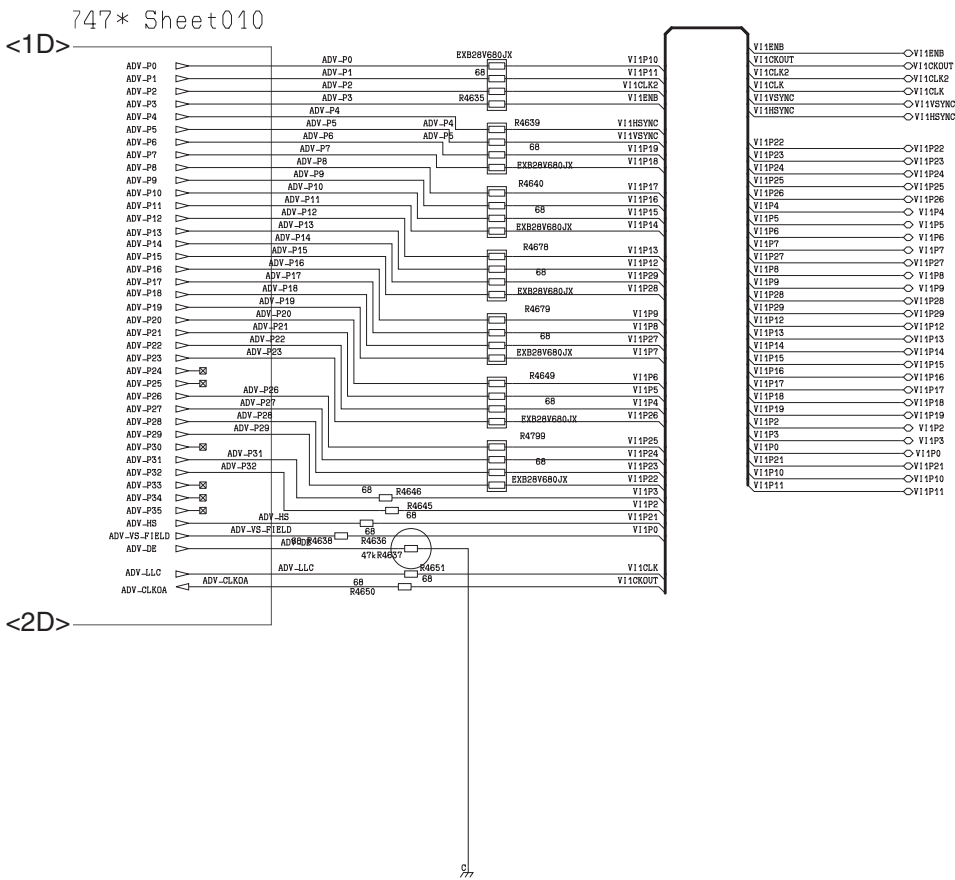
<1D>

ADV.

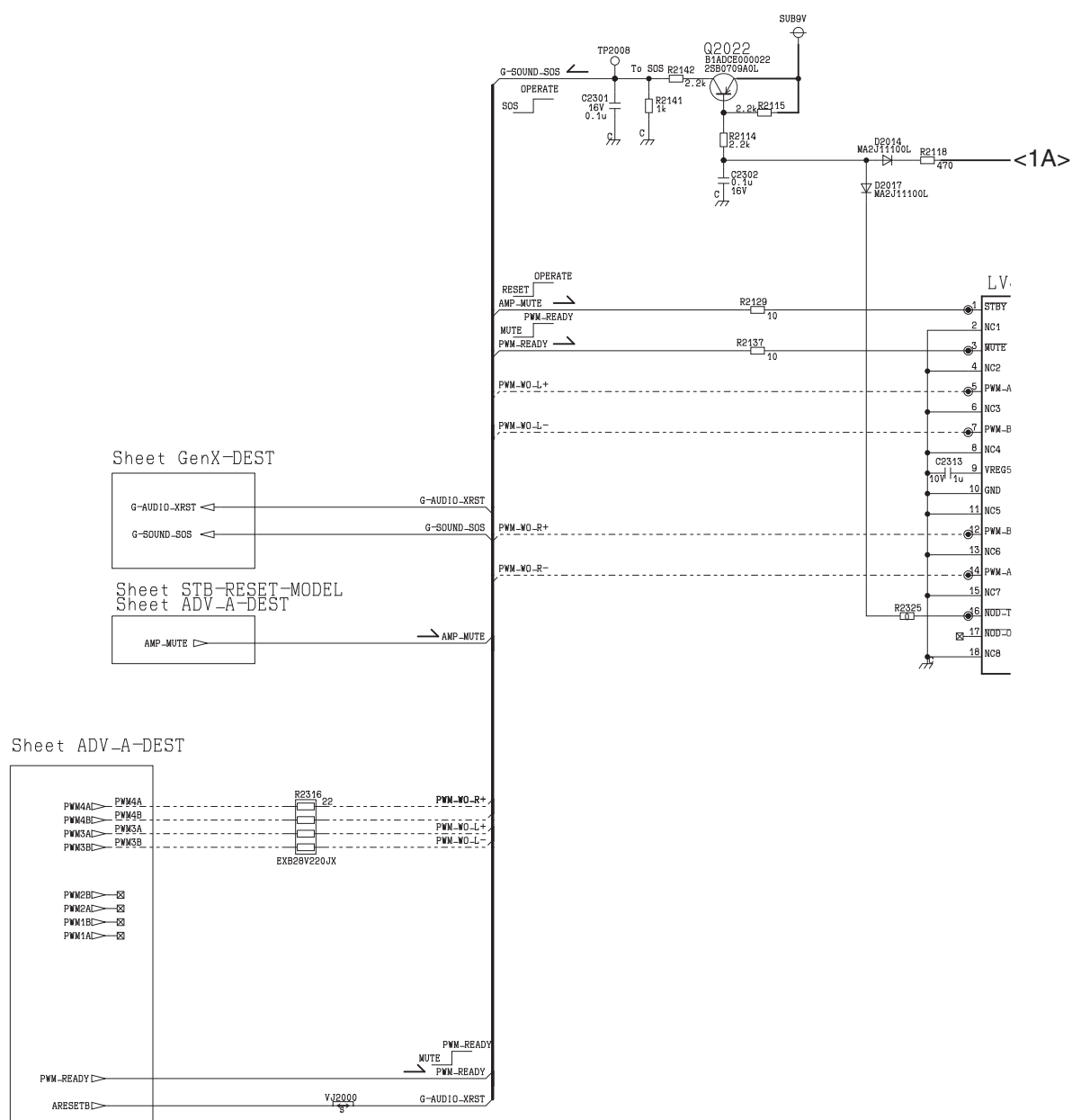
A

<2D>

10.2.21. A Board - Sheet : 004 (5 / 5)



10.2.22. A Board - Sheet : 005 (1 / 4)





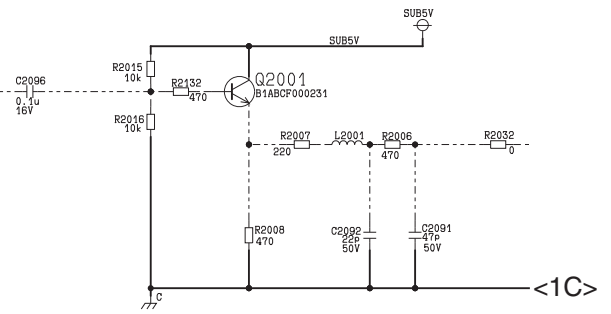
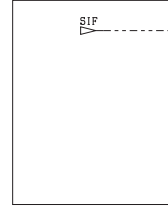
10.2.24. A Board - Sheet : 005 (3 / 4)

<1B>

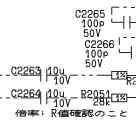
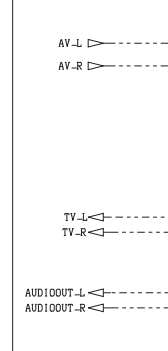
1 SP	2 SP
1-R+	L+
1-R-	L-
1-R+	R+
1-R-	R-

<2B>

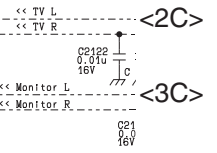
Sheet TUNER-DEST



Sheet AVSW-COMMON

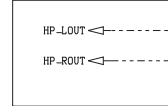


※ 伝導率: 銅線導体のこと

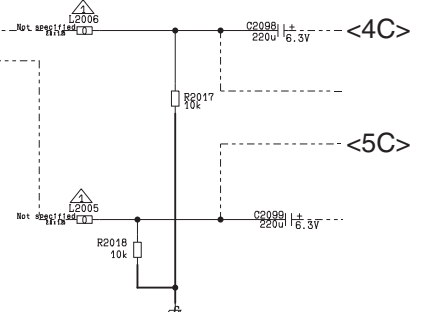


DVDD

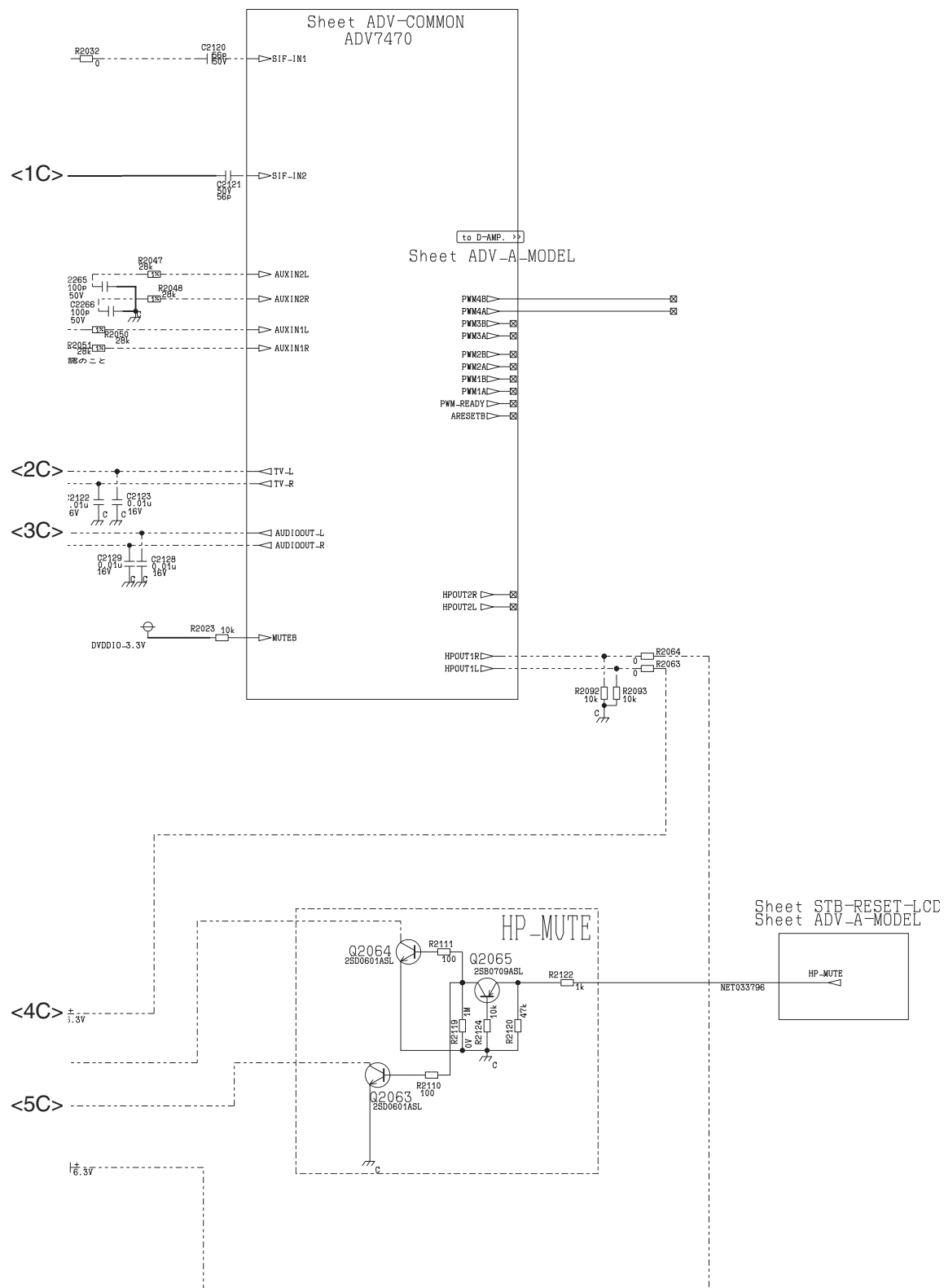
Sheet AVSW-DEST



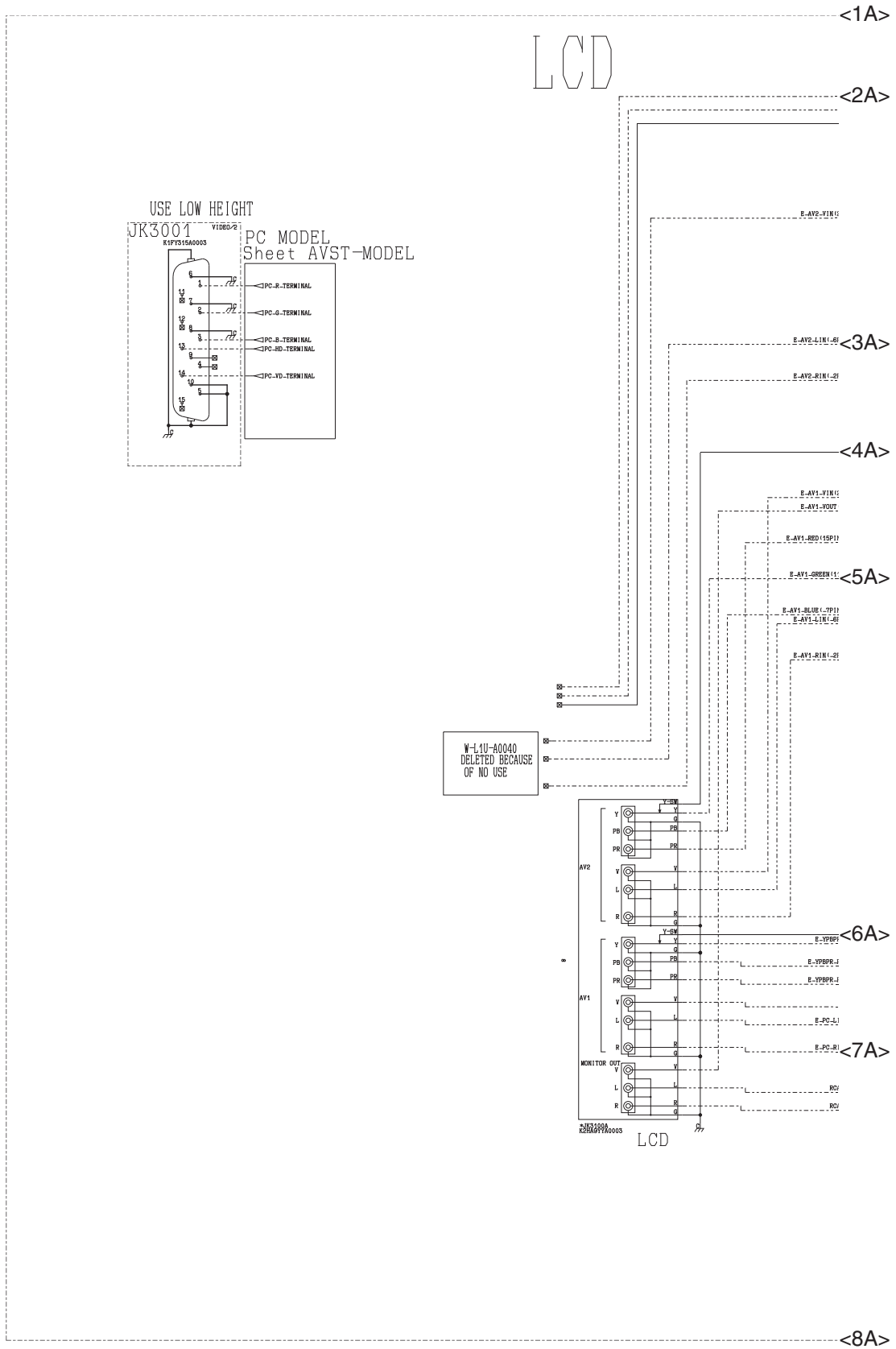
to HeadPhone out L, R



10.2.25. A Board - Sheet : 005 (4 / 4)



10.2.26. A Board - Sheet : 006 (1 / 9)



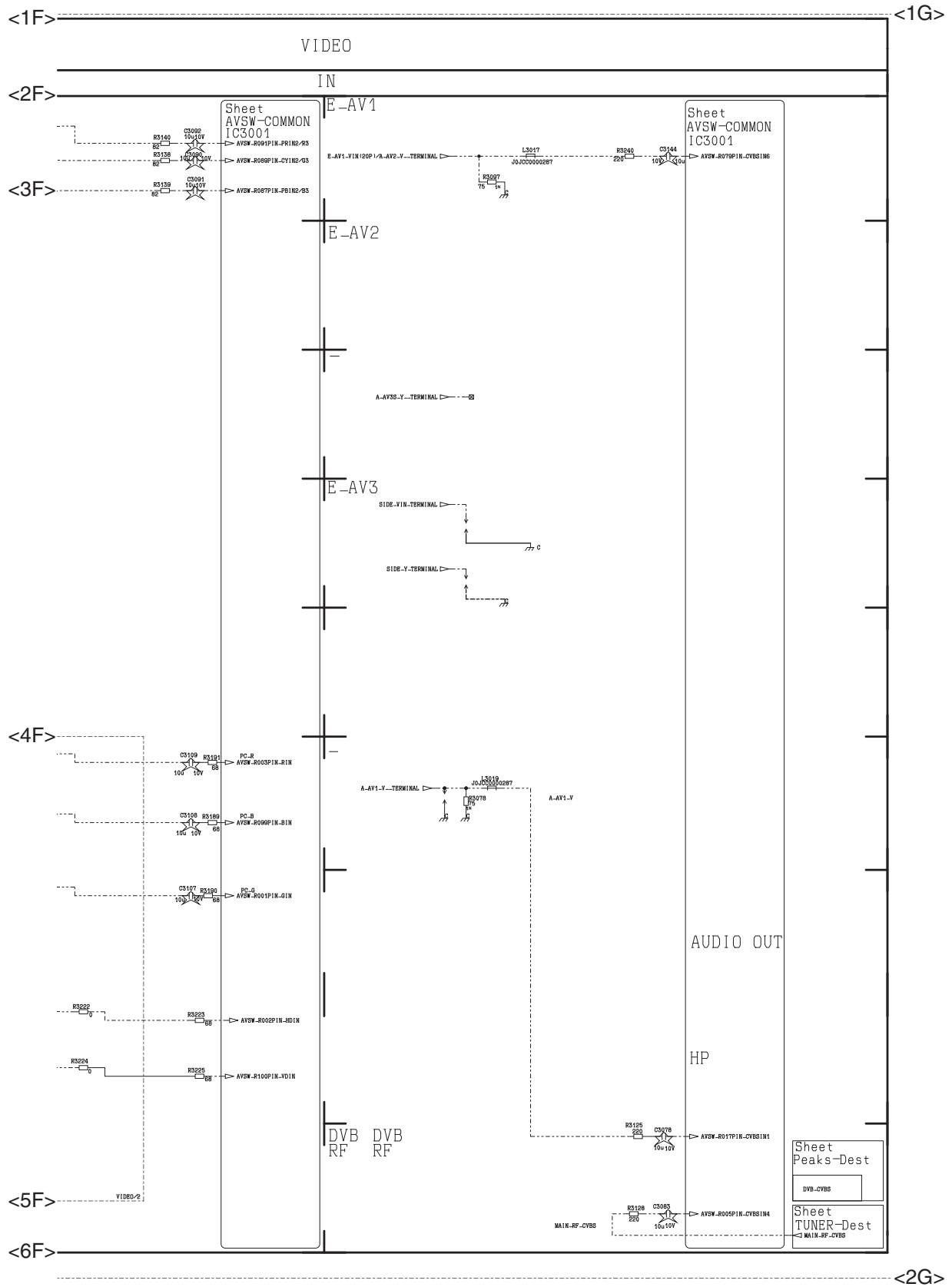






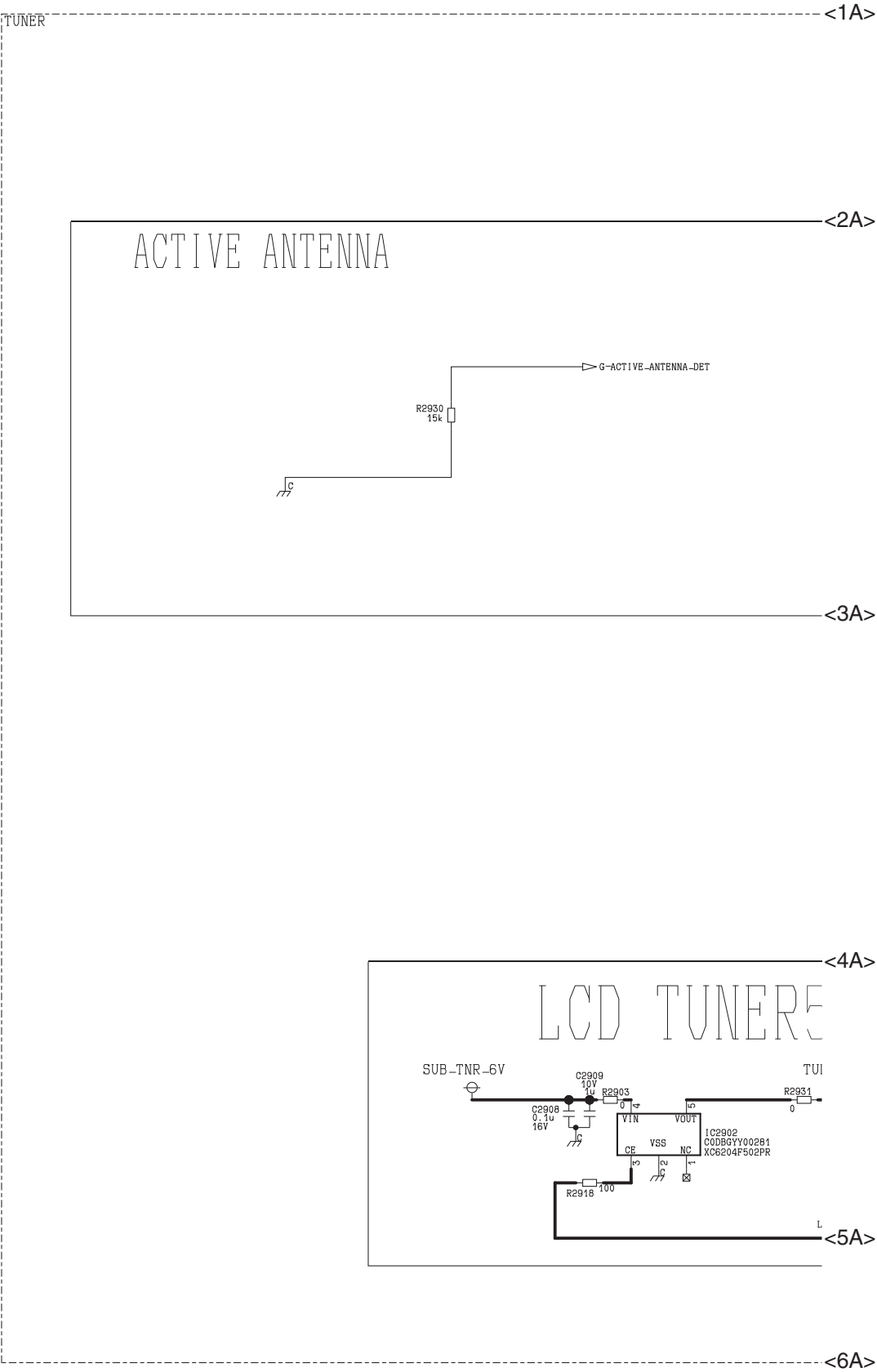


10.2.32. A Board - Sheet : 006 (7 / 9)

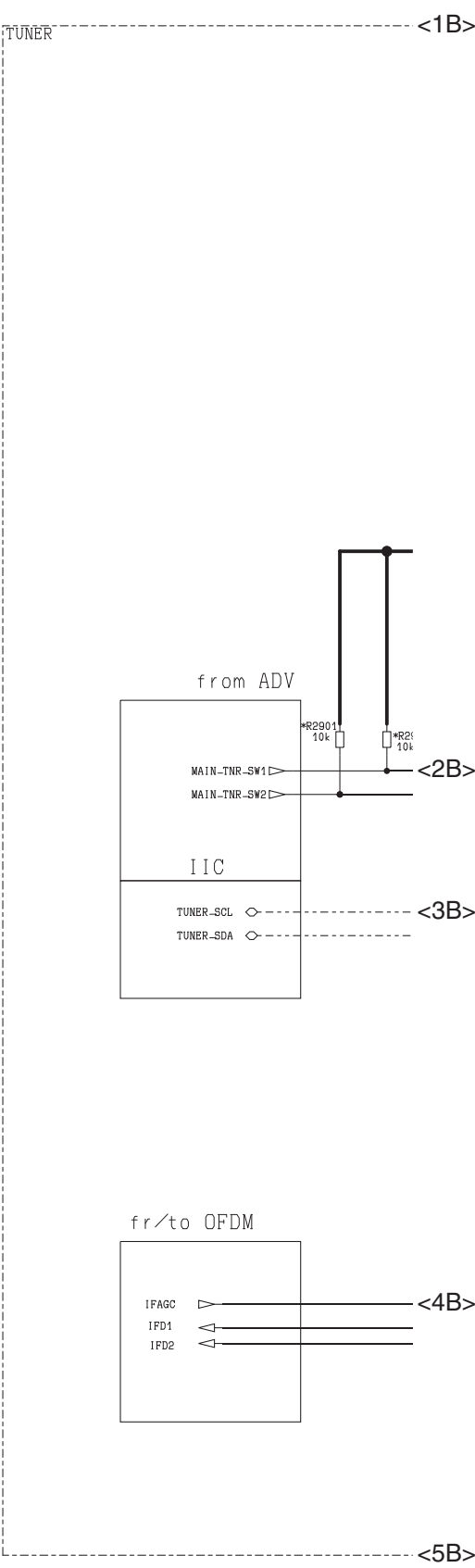
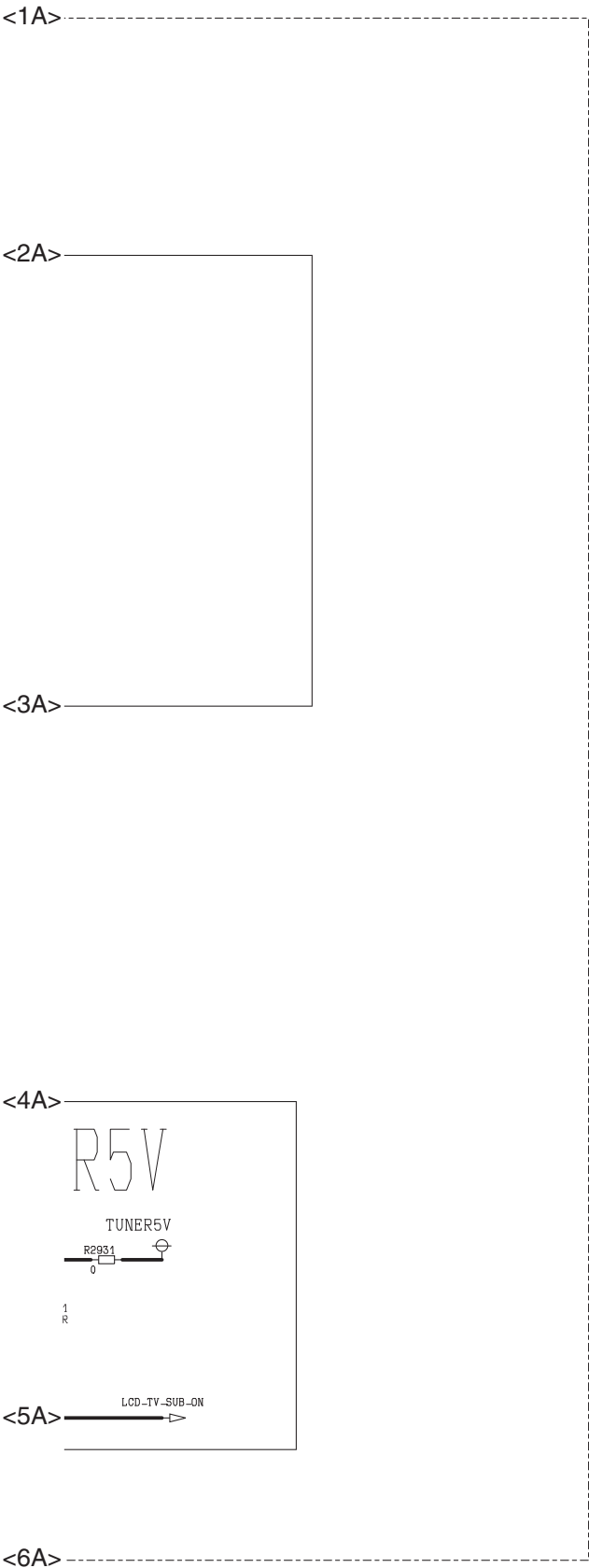




10.2.35. A Board - Sheet : 007 (1 / 4)

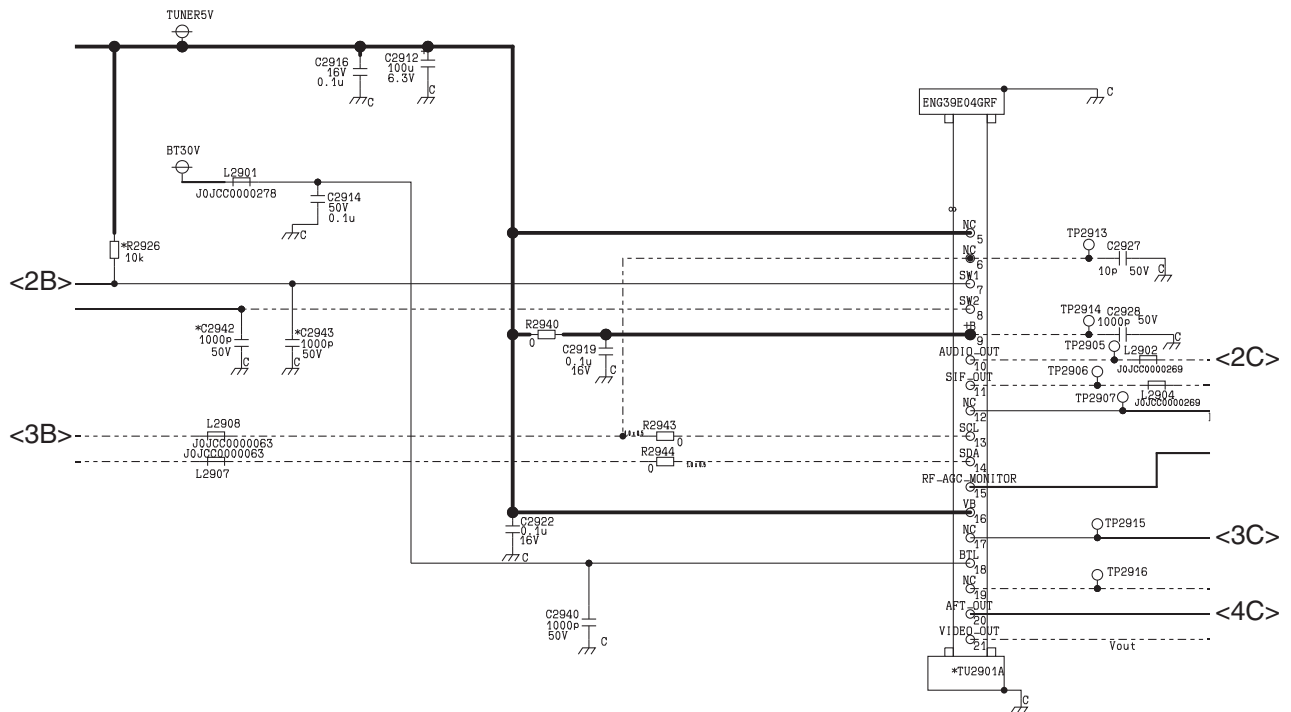


10.2.36. A Board - Sheet : 007 (2 / 4)



10.2.37. A Board - Sheet : 007 (3 / 4)

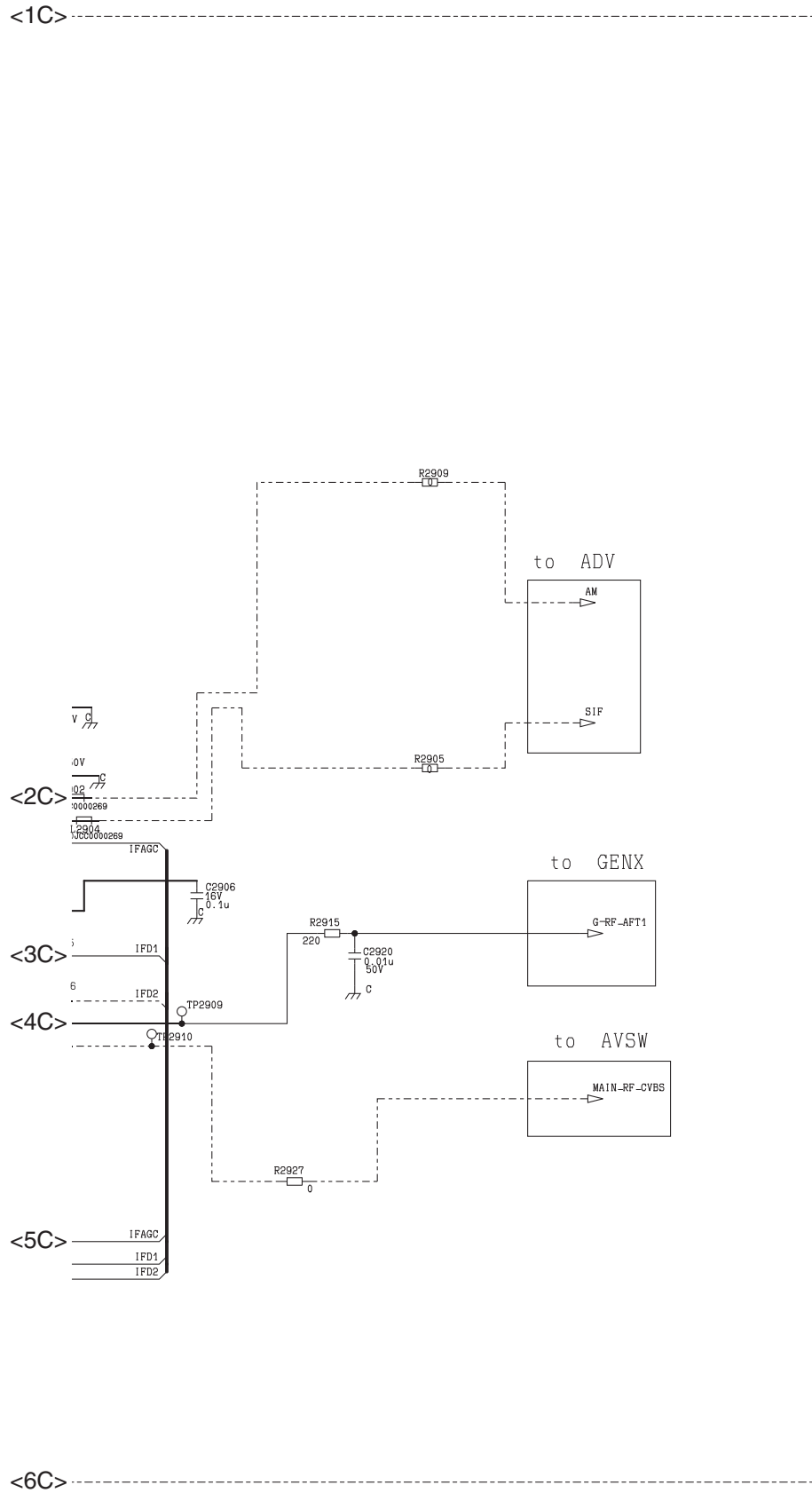
<1B>-----<1C>



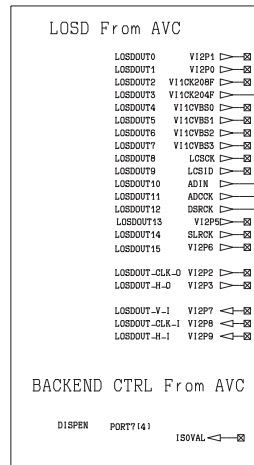
<4B>-----<5C>

<5B>-----<6C>

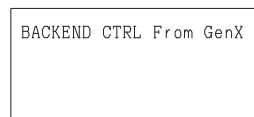
10.2.38. A Board - Sheet : 007 (4 / 4)



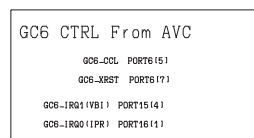
TO Sheet Peaks—COMMON



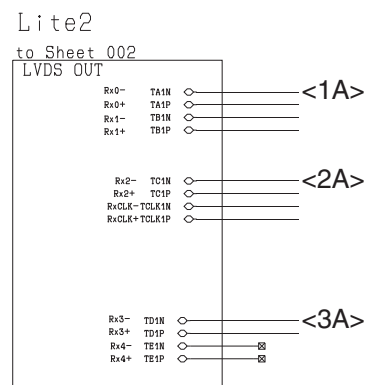
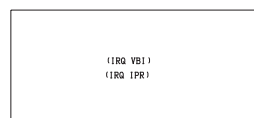
TO Sheet GenX



TO Sheet Peaks—COMMON



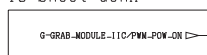
TO Sheet Peaks-DEST



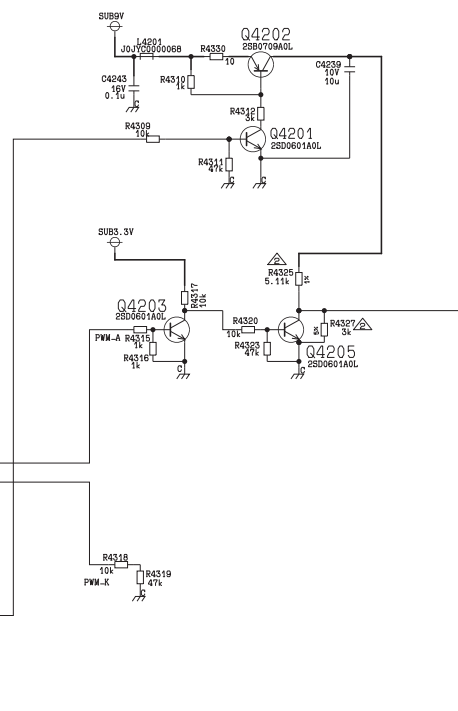
TO Sheet Peaks—COMMON



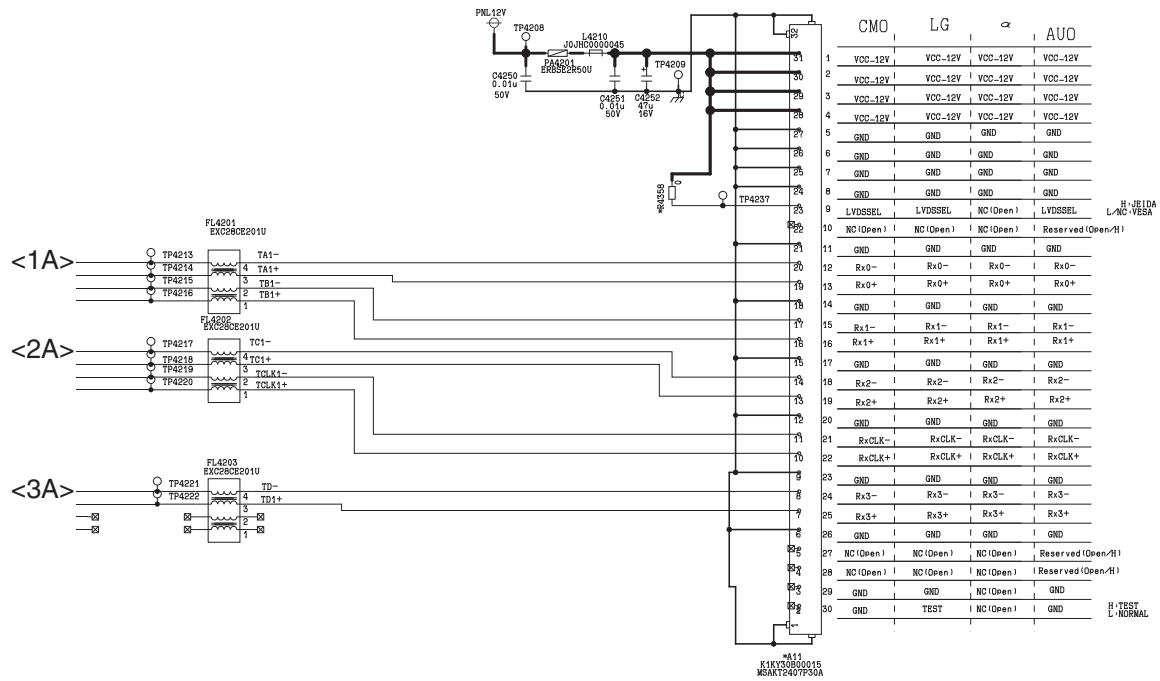
TO Sheet GenX



TO Sheet Set



10.2.40. A Board - Sheet : 008 (2 / 2)



10.2.41. A Board - Sheet : 009 (1 / 5)

ROHM-SW-OFF-DET

<1A>

TO Sheet Peaks-COMMON

POWER-DET

TO Sheet GENX-DEST

G-SW-OFF-DET

SUB3.3V

R5486
10kR5479
0

ROHM-P8-

R5485
100

<2A>

ROHM-PEAKS-RESET

<3A>

TO Sheet GENX-DEST

G-DTV-XRST

R5470
2.2k

TO Sheet Peaks-DEST

XRST-2

R5482
47

TO Sheet Peaks-COMMON

XRST

R5481
100

TO Sheet Set-MODEL

RST-PL2-CND

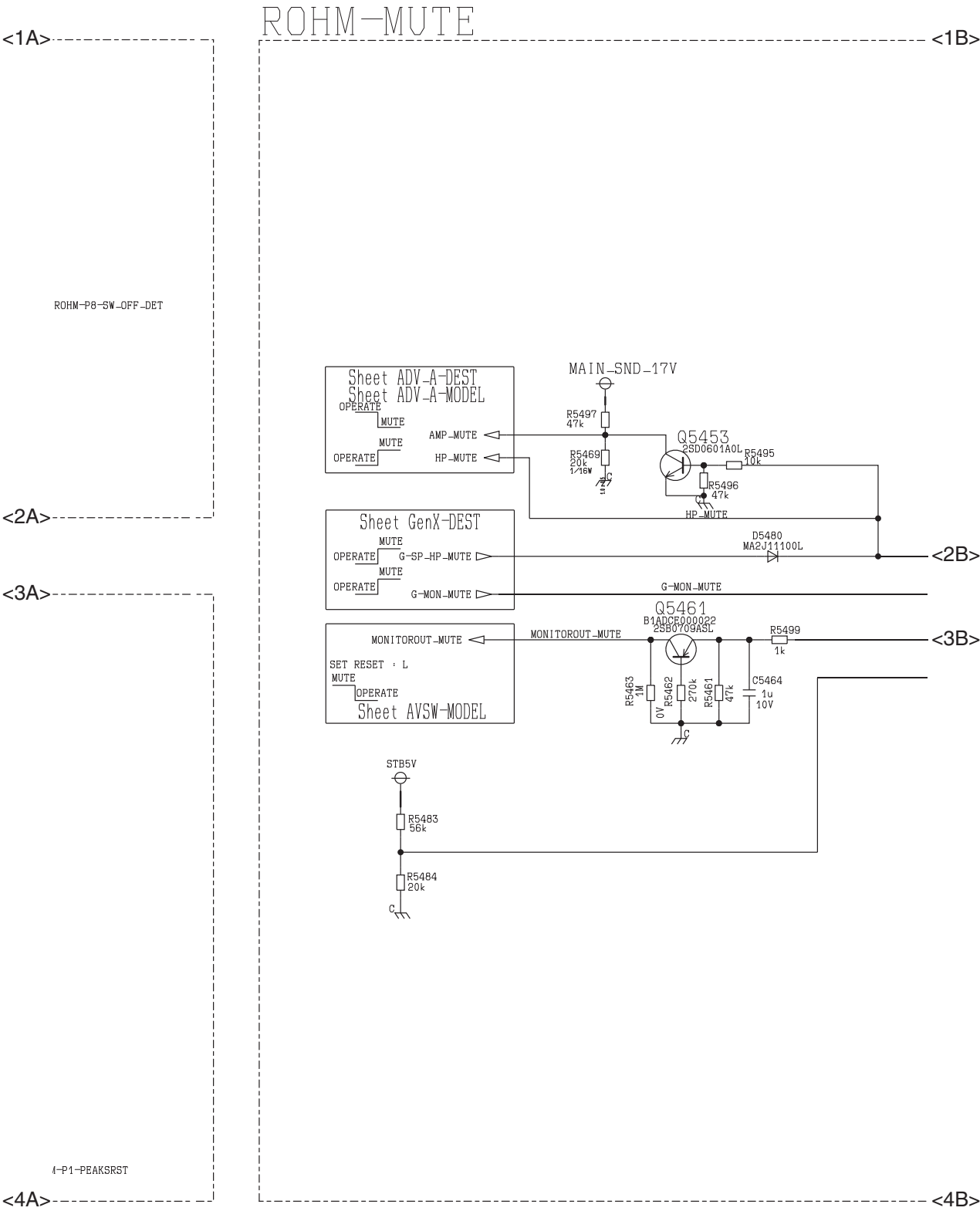
SUB3.3V

R5480
47kC5480
0.01u
16VR5449
0

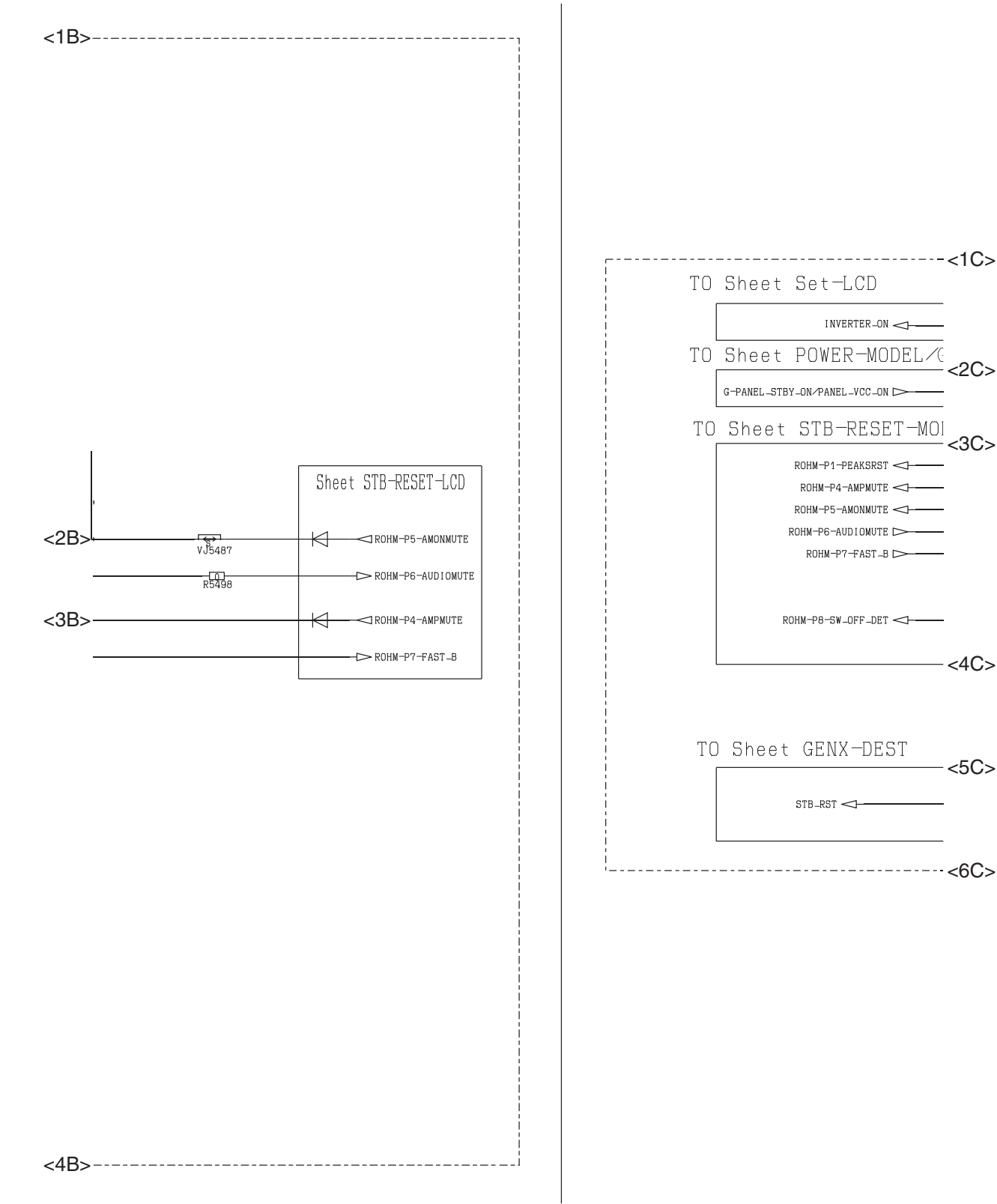
ROHM-P1-PEAK

<4A>

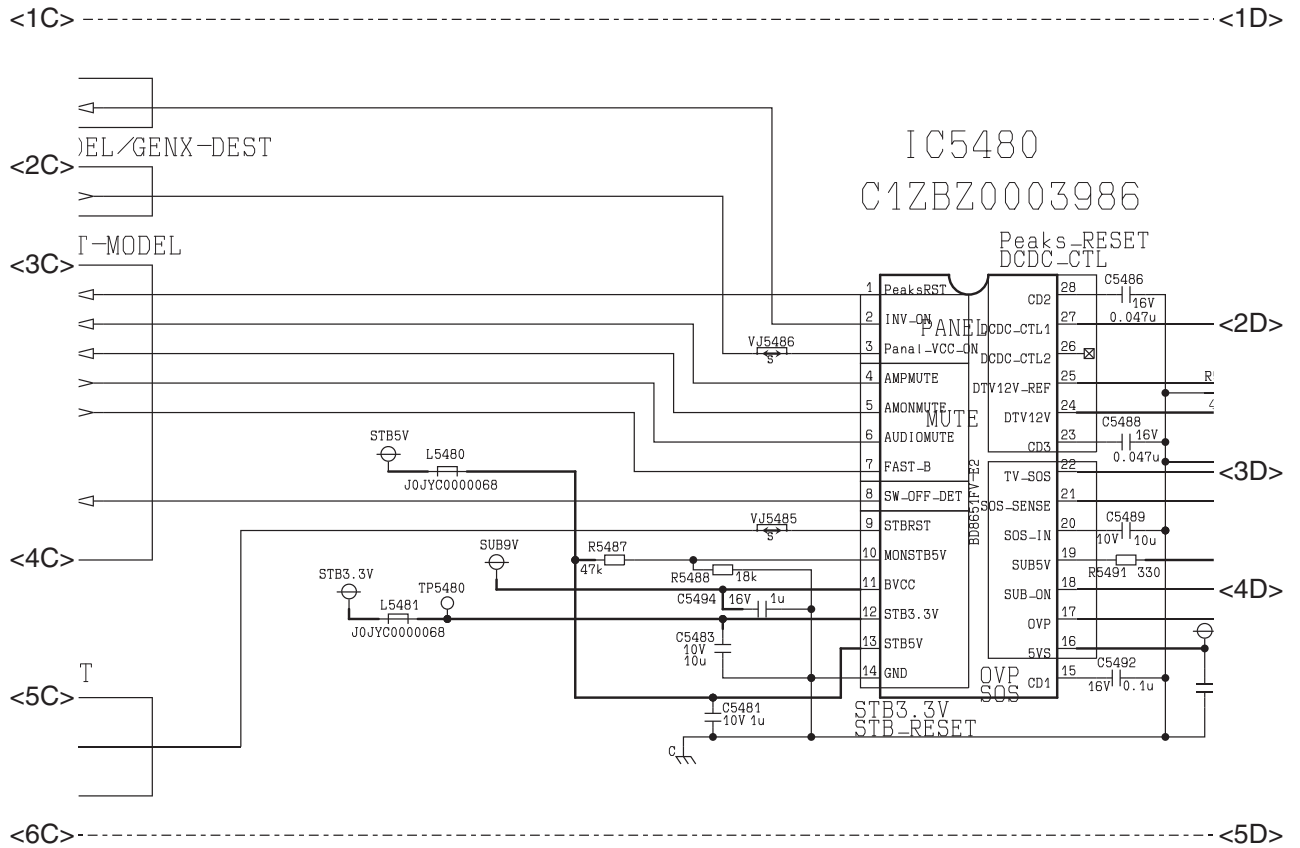
10.2.42. A Board - Sheet : 009 (2 / 5)



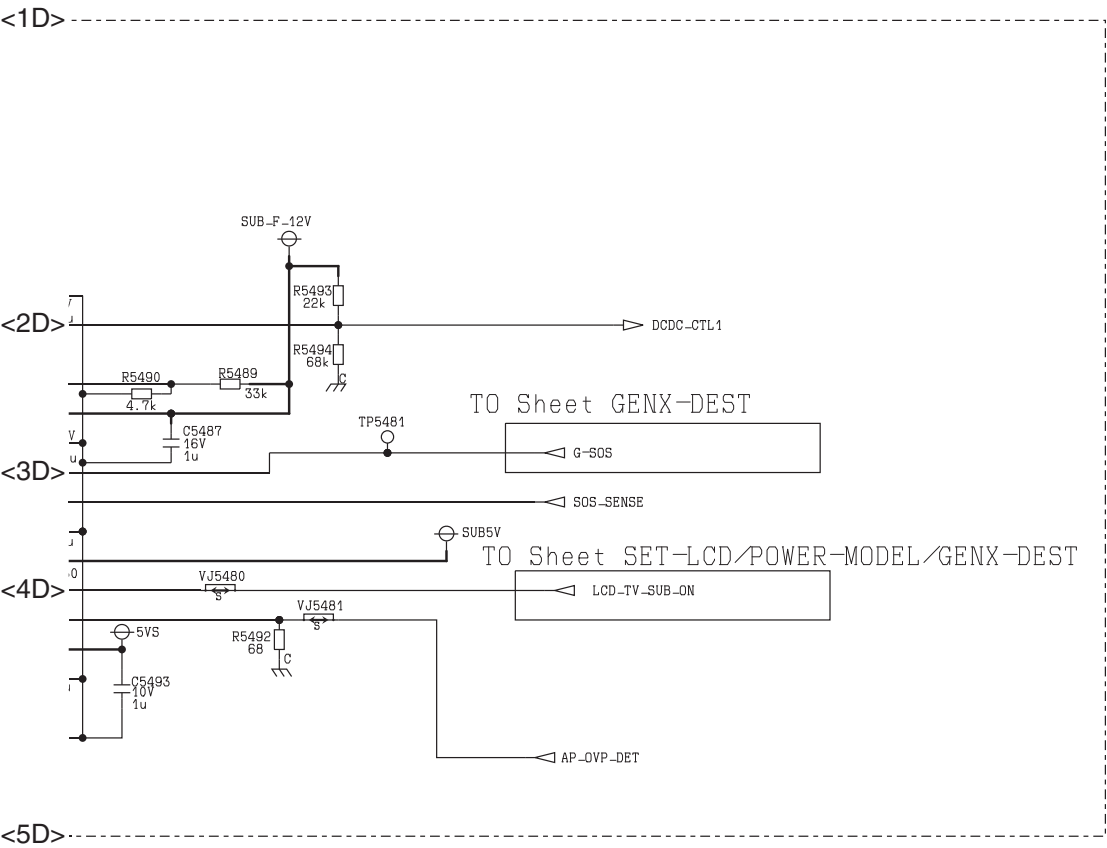
10.2.43. A Board - Sheet : 009 (3 / 5)



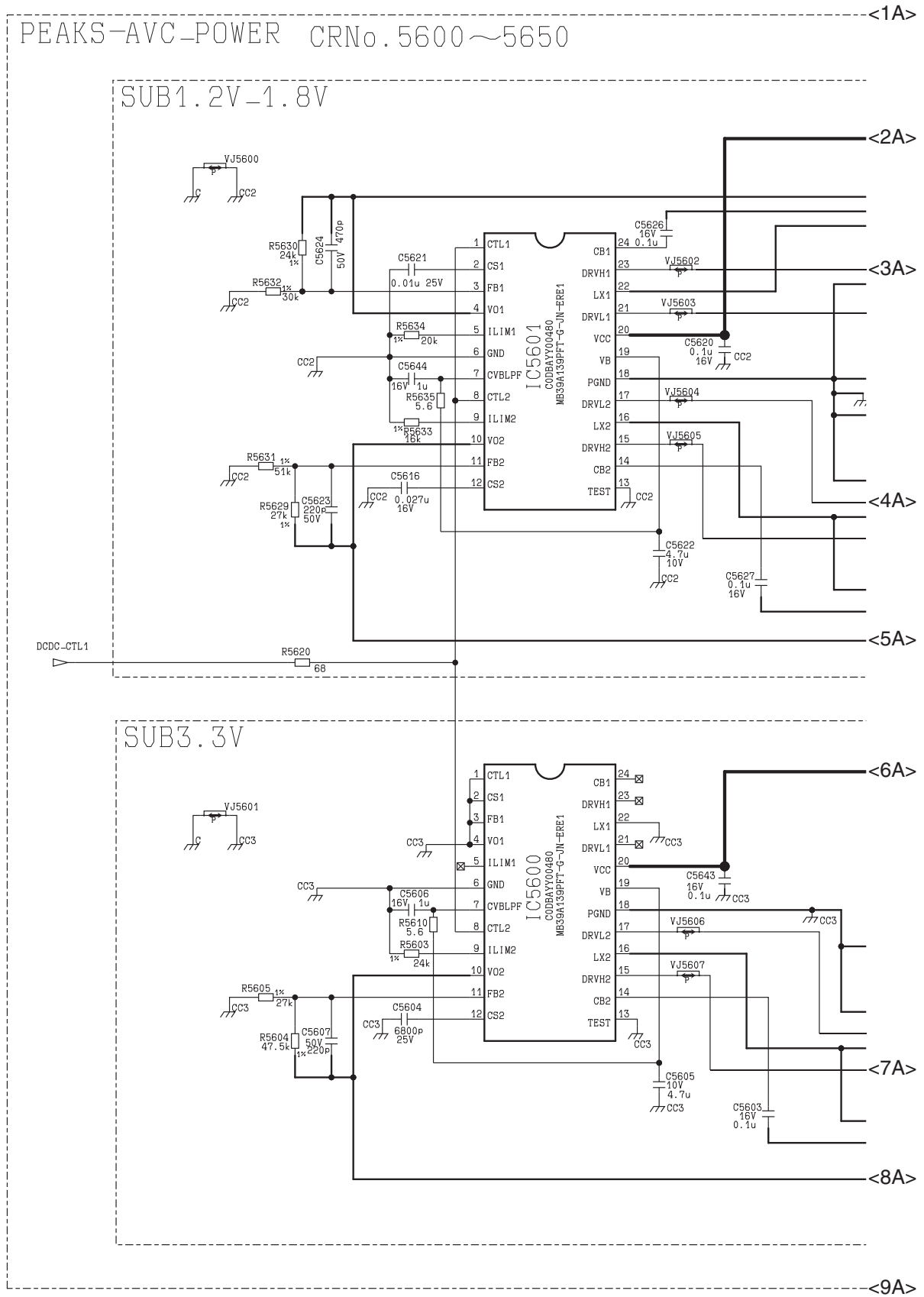
10.2.44. A Board - Sheet : 009 (4 / 5)



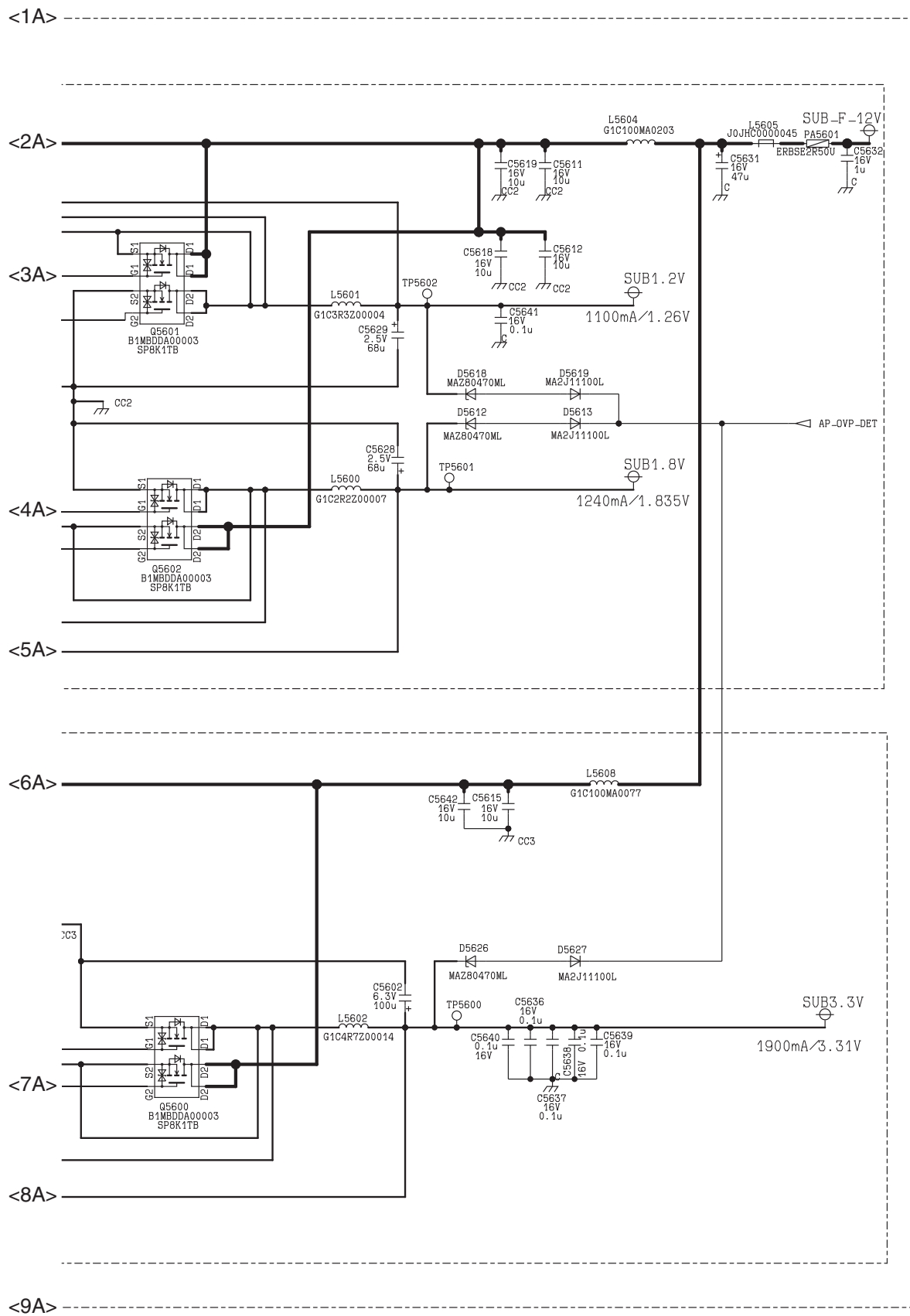
10.2.45. A Board - Sheet : 009 (5 / 5)



10.2.46. A Board - Sheet : 010 (1 / 2)



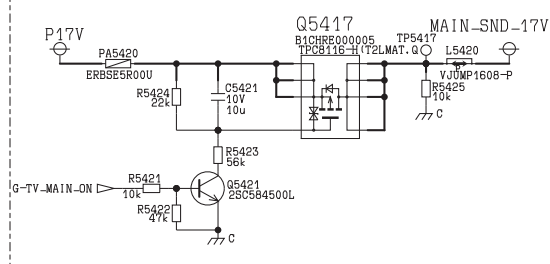
10.2.47. A Board - Sheet : 010 (2 / 2)



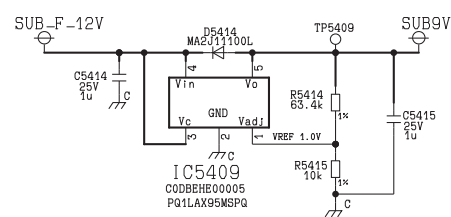
10.2.48. A Board - Sheet : 011 (1 / 2)

32/26共用 (フリビなし)

SOUND-VCC CRNo. 5420~5429



SUB9V

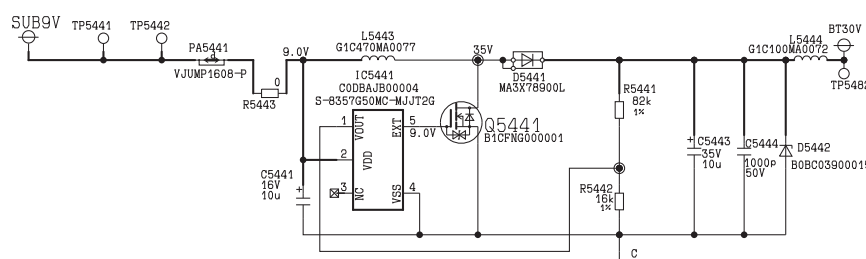


<1A>

<2A>

BT-30V

CRNo. 5440~5450



SOS-SE

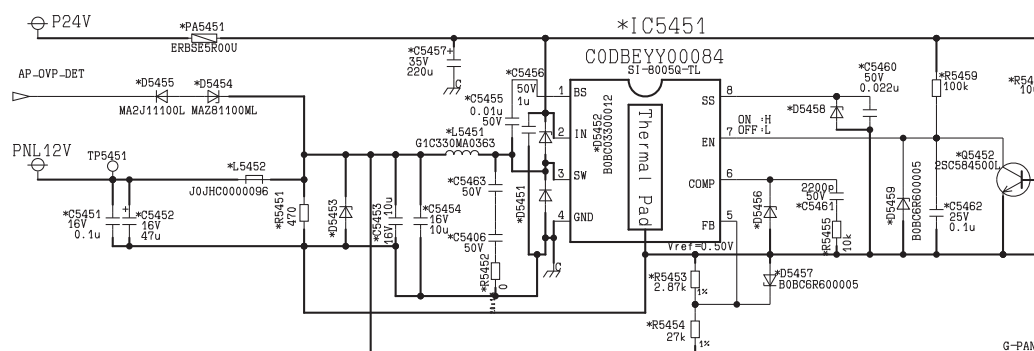
to

to

PANEL5V/12V

CRNo. 5451~5470

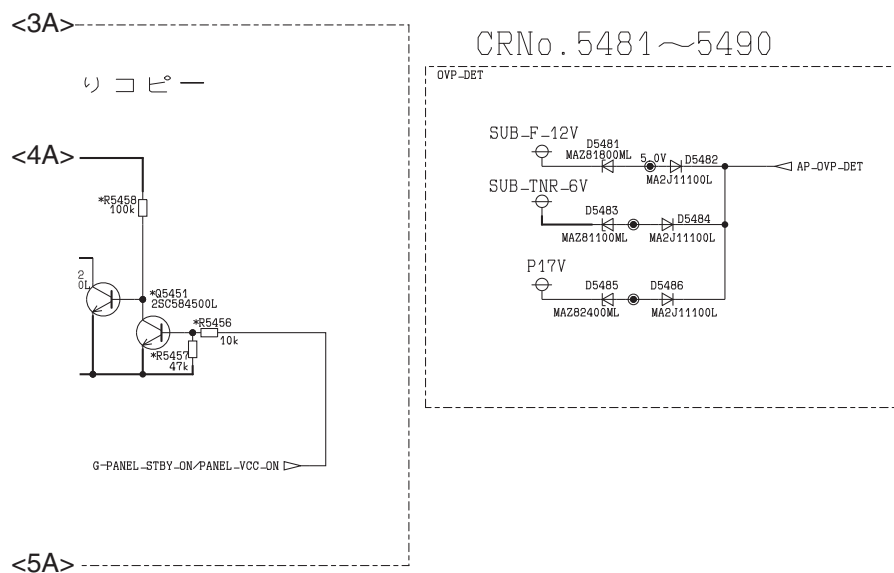
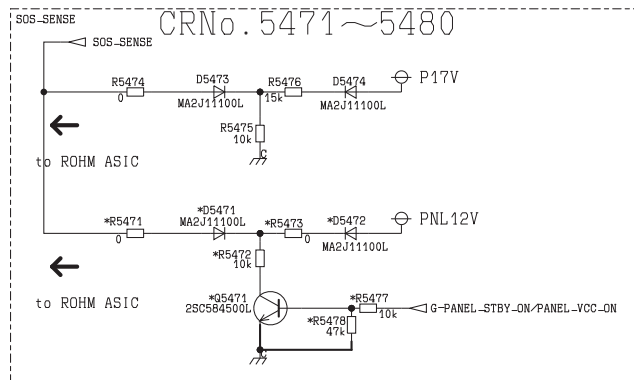
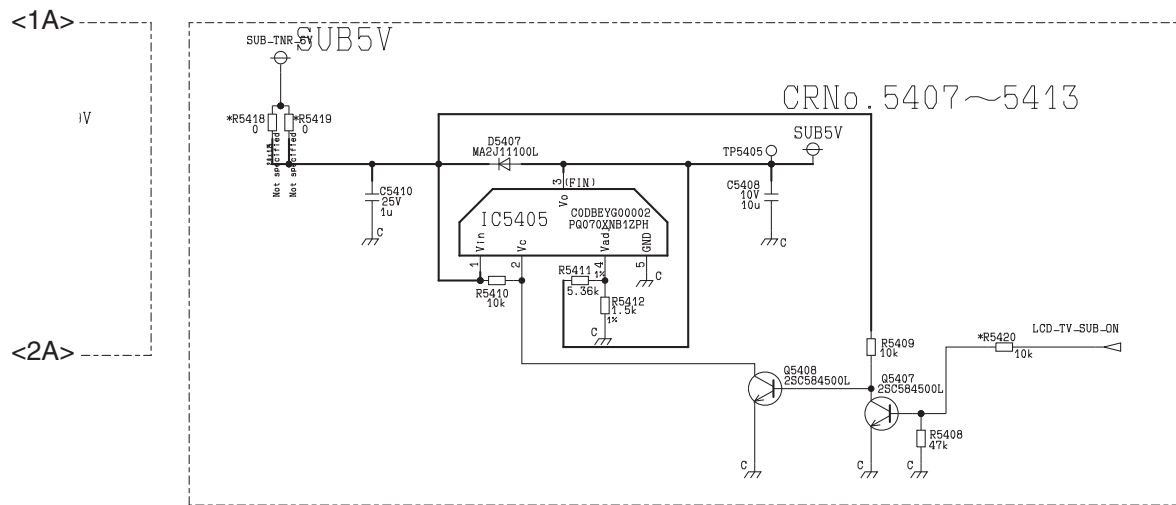
TNPA4423 よりニ



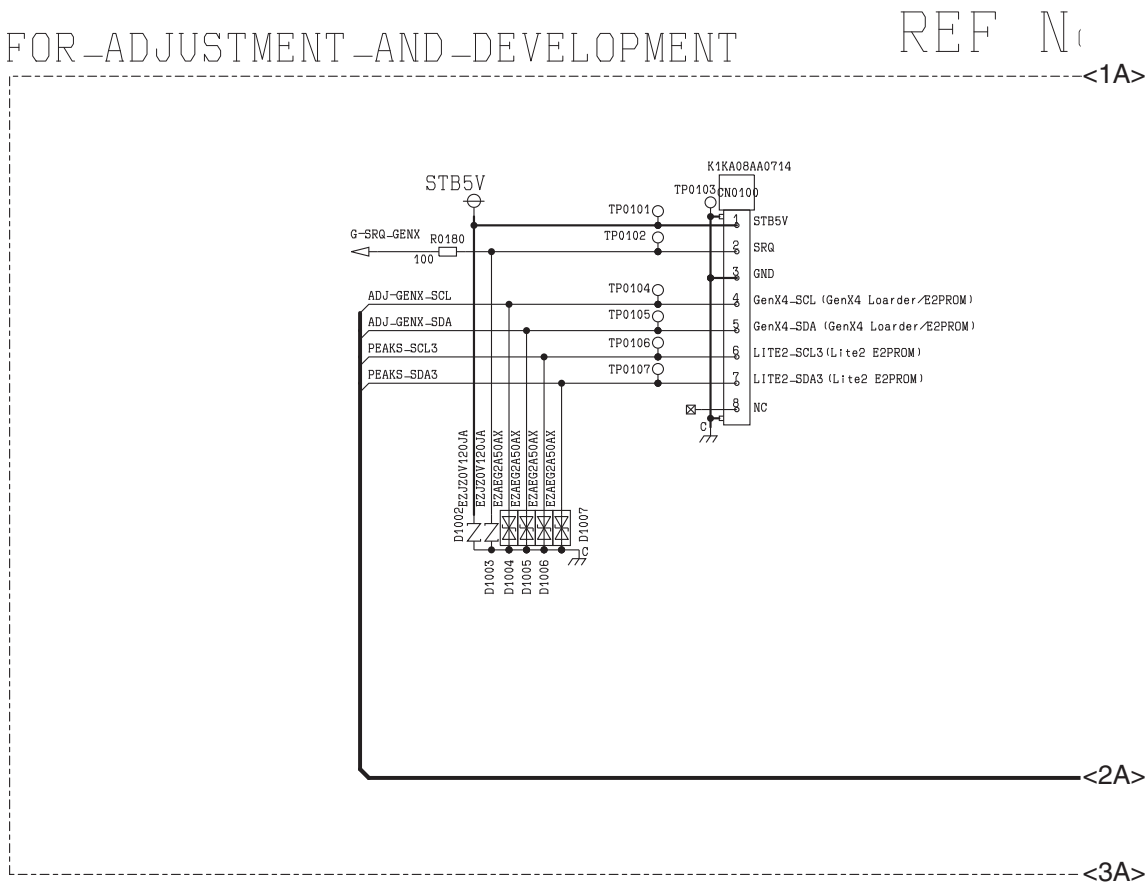
<4A>

<5A>

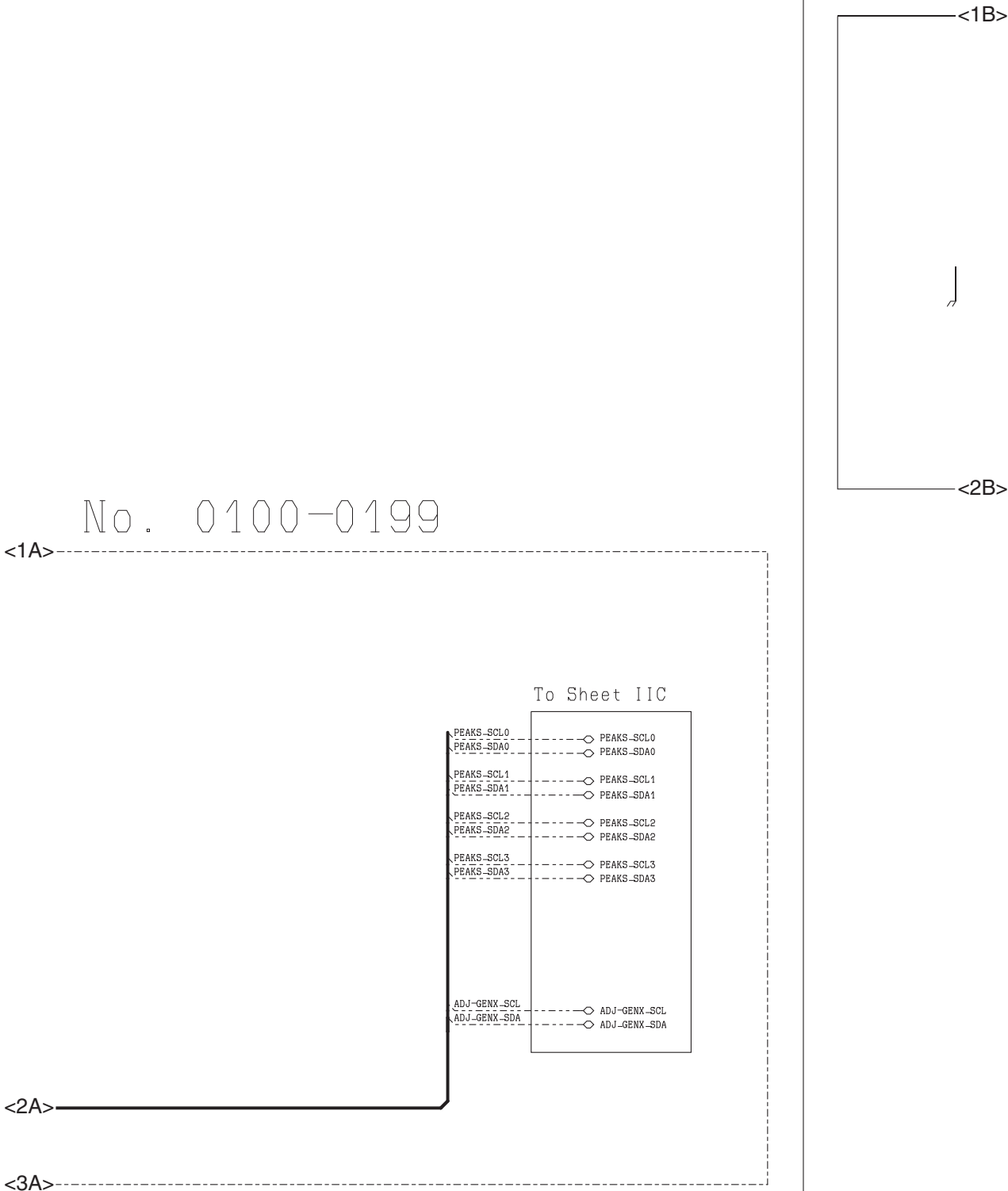
10.2.49. A Board - Sheet : 011 (2 / 2)



10.2.50. A Board - Sheet : 012 (1 / 5)

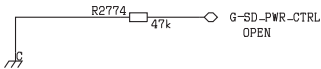


10.2.51. A Board - Sheet : 012 (2 / 5)



10.2.52. A Board - Sheet : 012 (3 / 5)

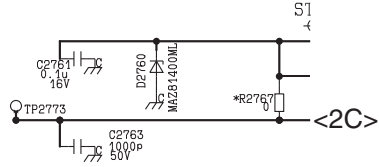
<1B>



<2B>

<1C>

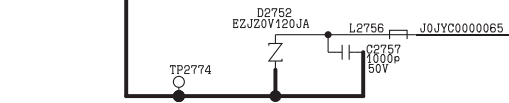
to



<2C>

2008/07/11 A02 was united to A01

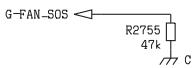
to COMPANE



<3C>

<4C>

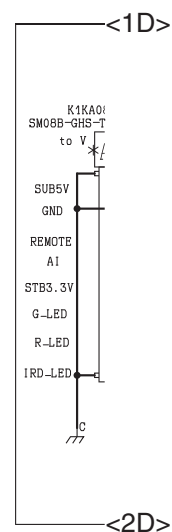
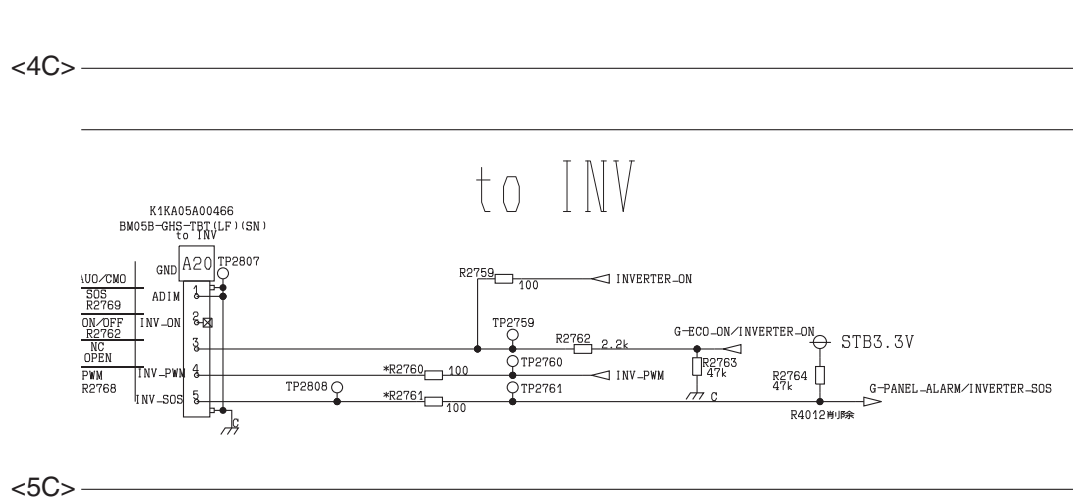
FAN



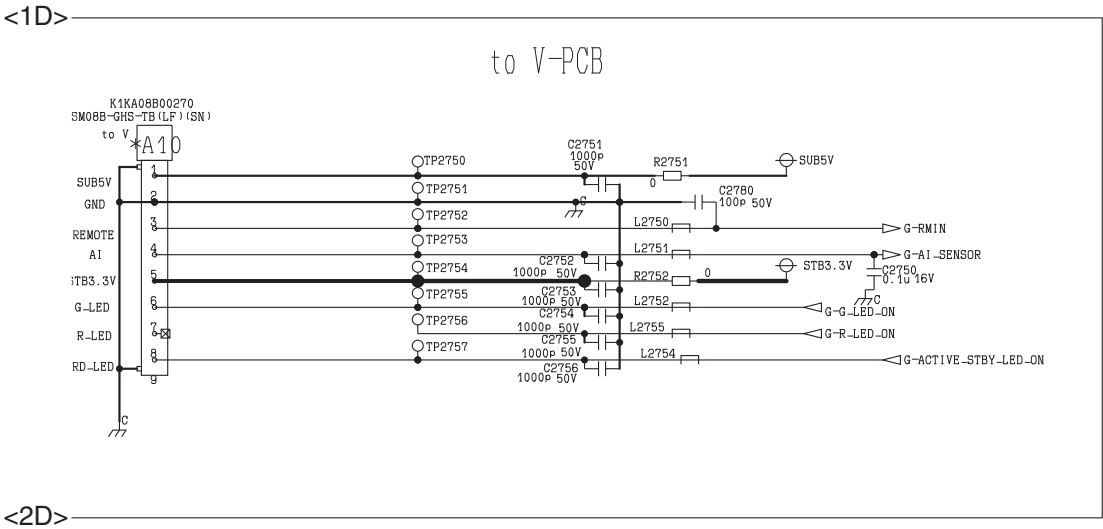
K
BM05B

α LG	AUG (VN)	AUG (CMO)	
ADIM R2758	SOS R2769	SOS R2769	A
ON/OFF R2762	ON/OFF R2762	ON/OFF R2762	INV
PWM R2760	PWM R2760	NC OPEN	
SOS R2761	PDIMSEL (GND) R2770	PWM R2768	INV

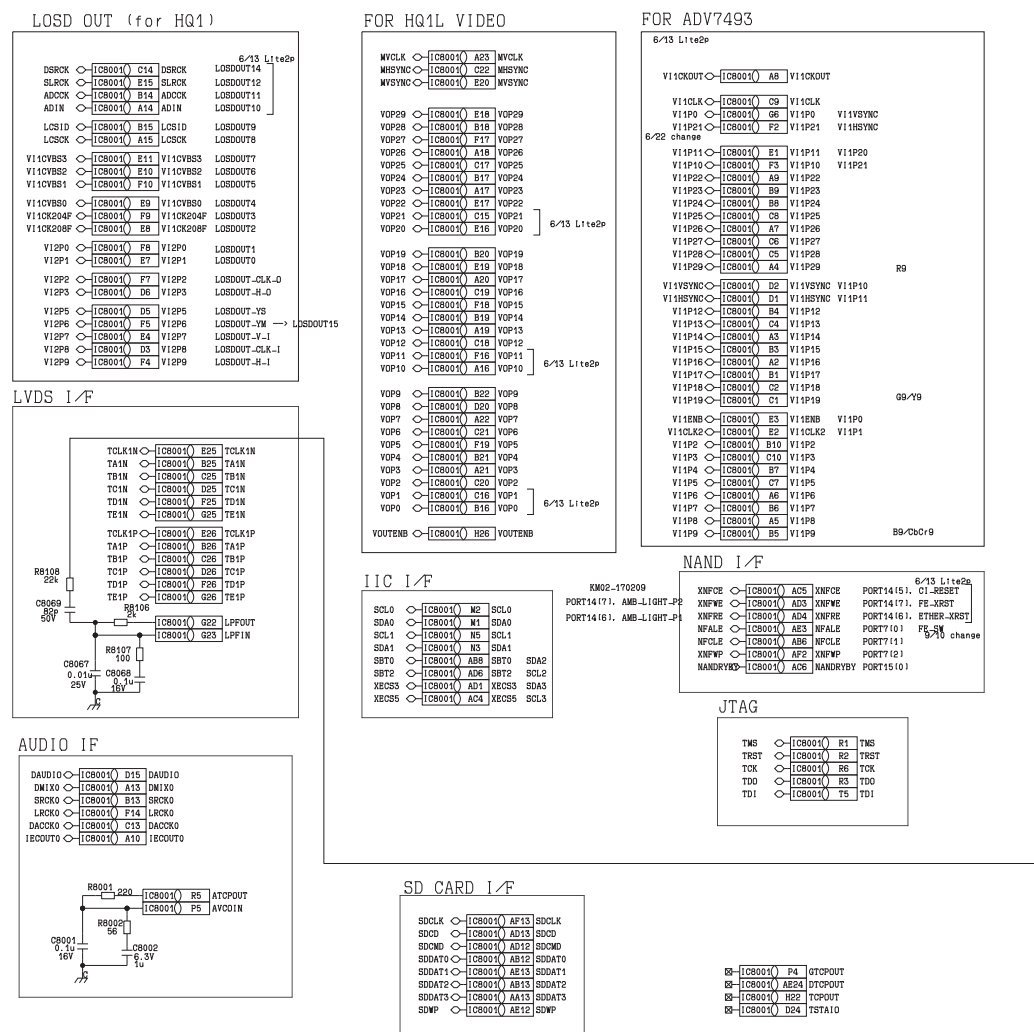
<5C>



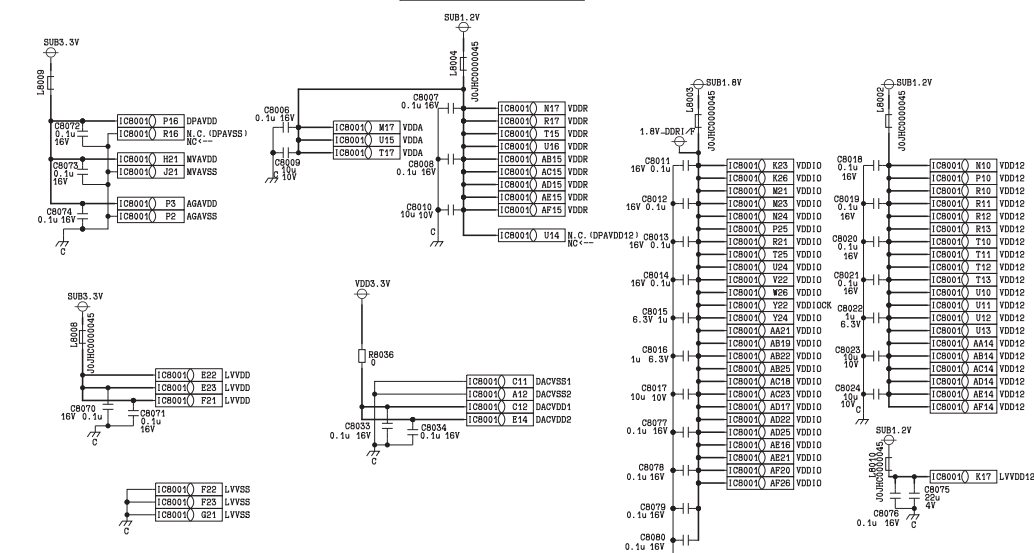
10.2.54. A Board - Sheet : 012 (5 / 5)



10.2.55. A Board - Sheet : 013 (1 / 4)



<1A>









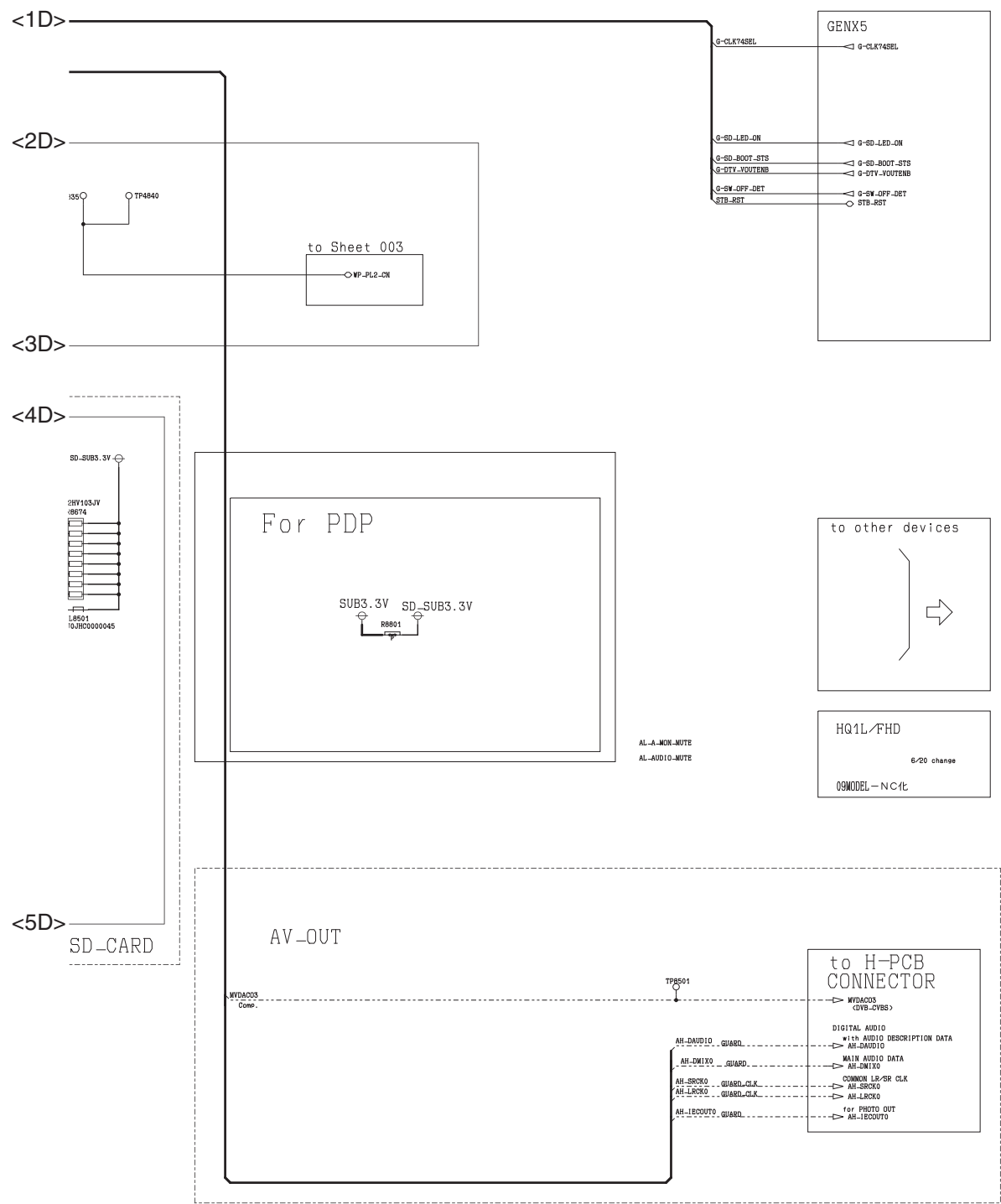




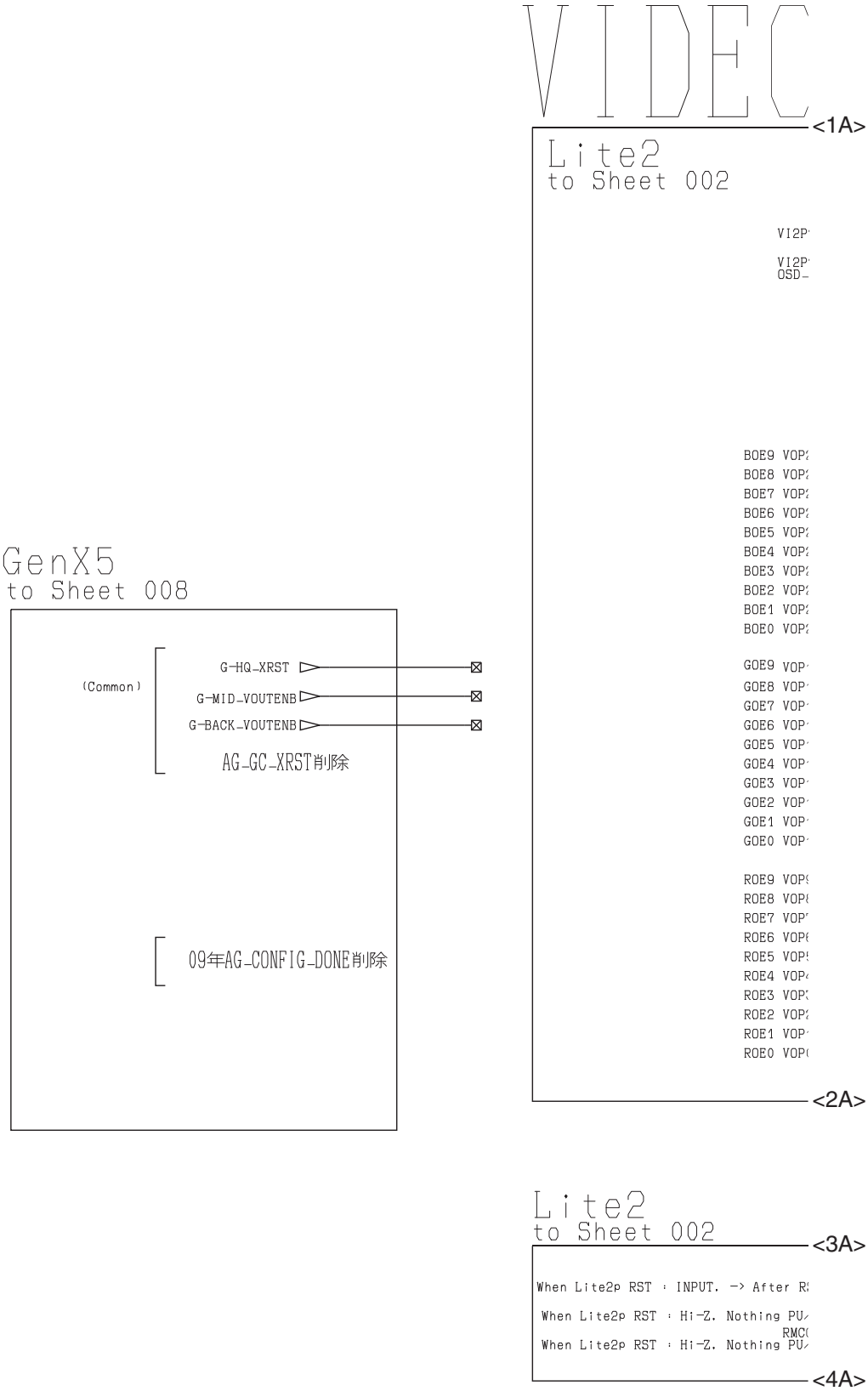




10.2.63. A Board - Sheet : 014 (5 / 5)



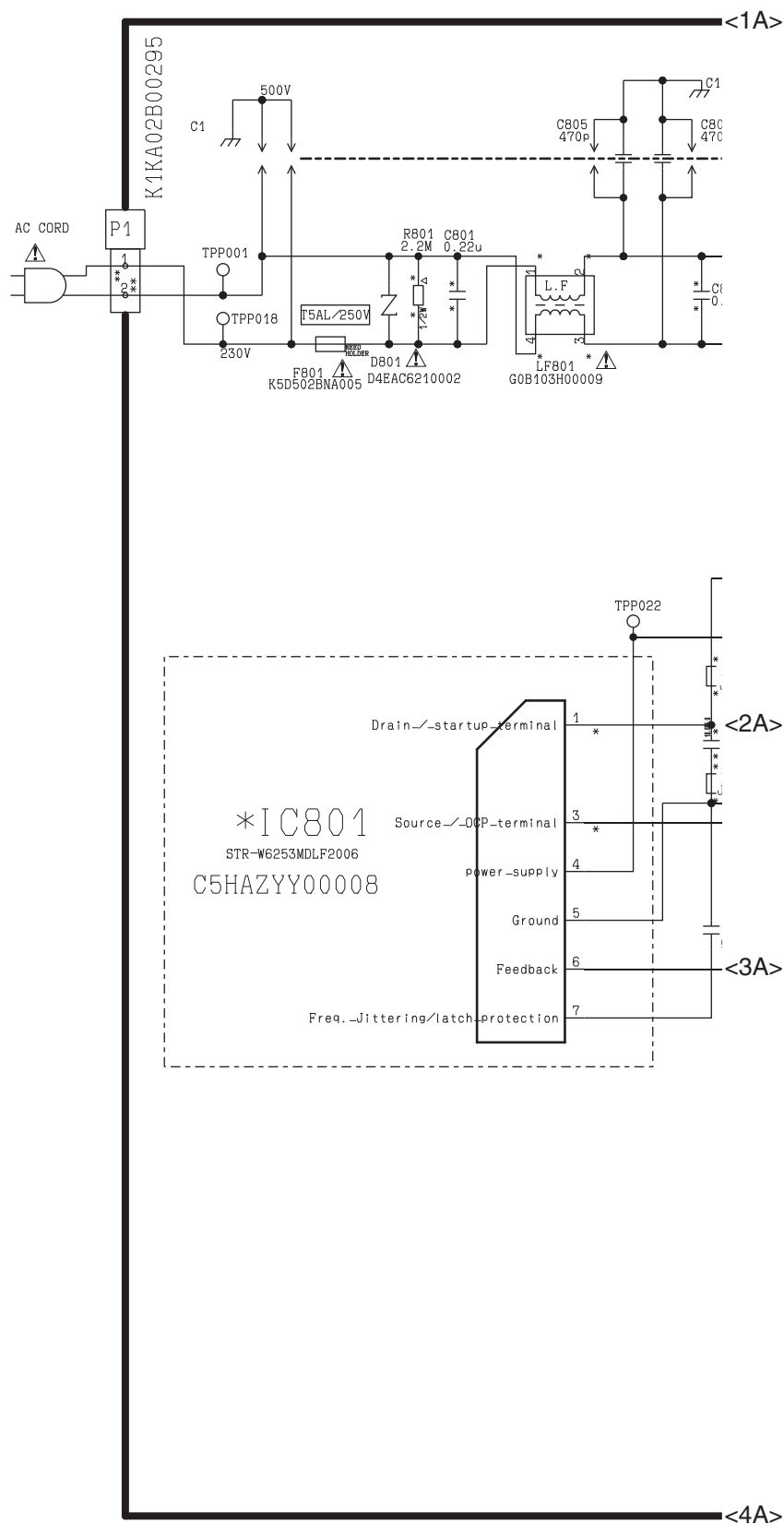
10.2.64. A Board - Sheet : 015 (1 / 2)



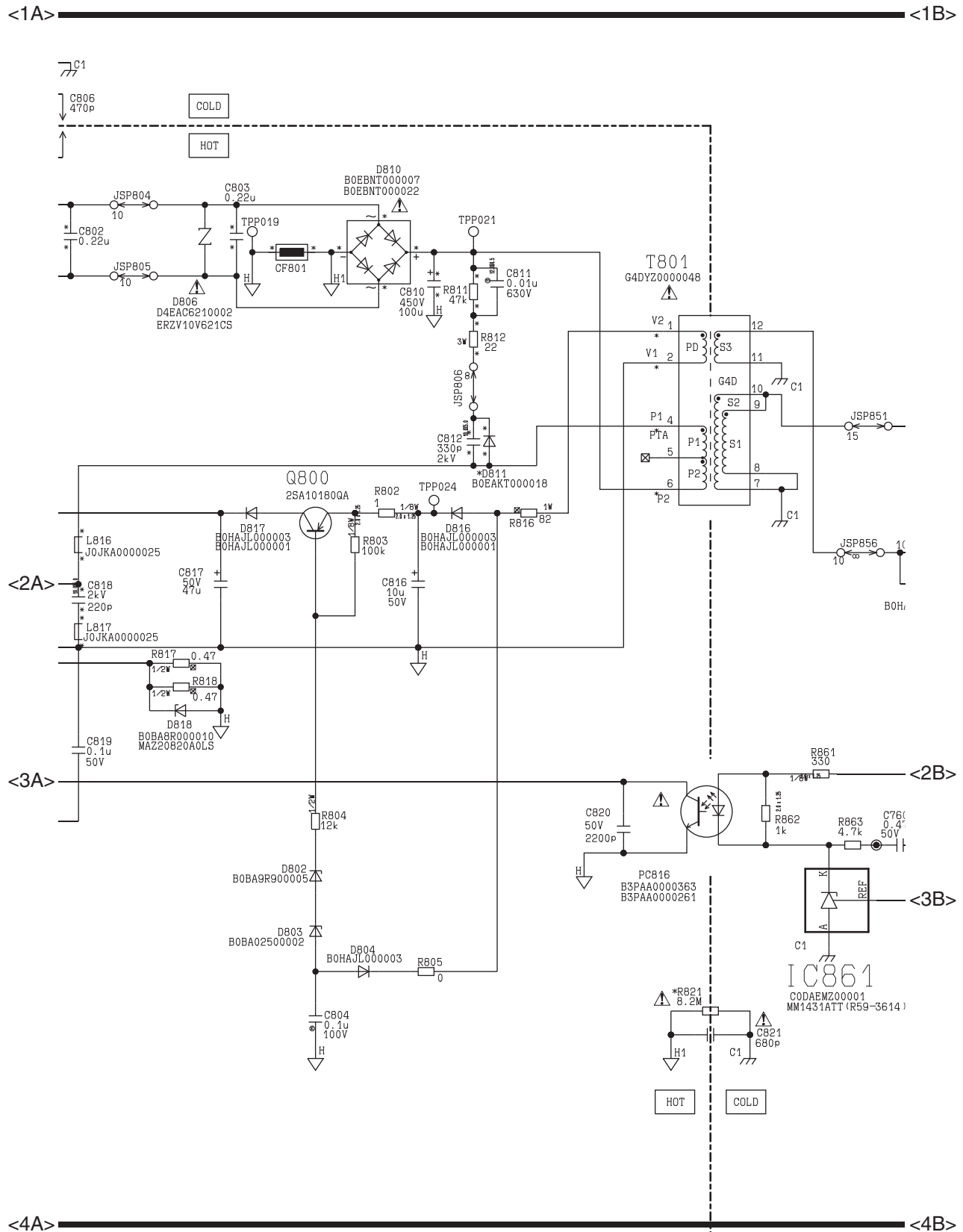


10.3. P Board

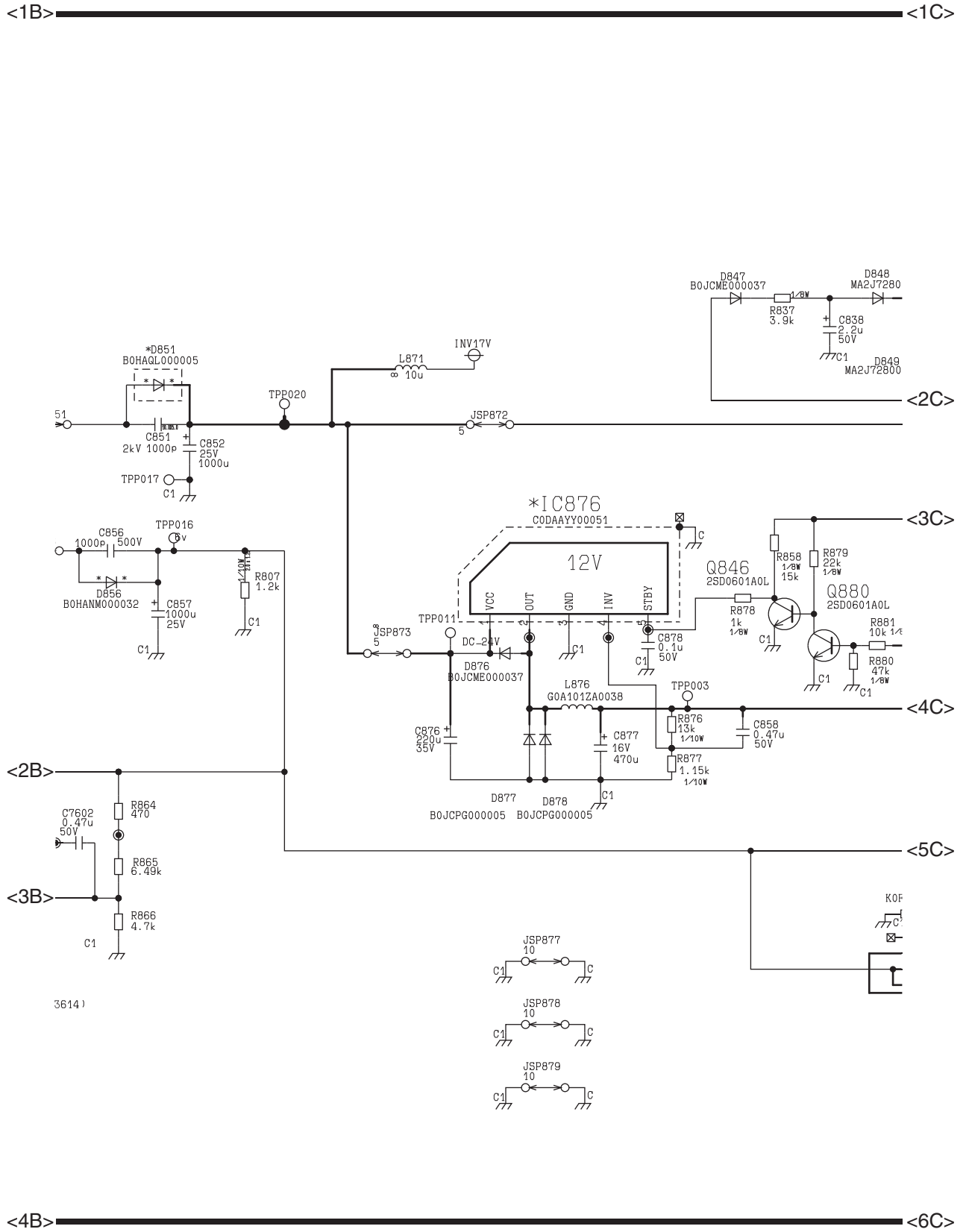
10.3.1. P Board (1 / 6)



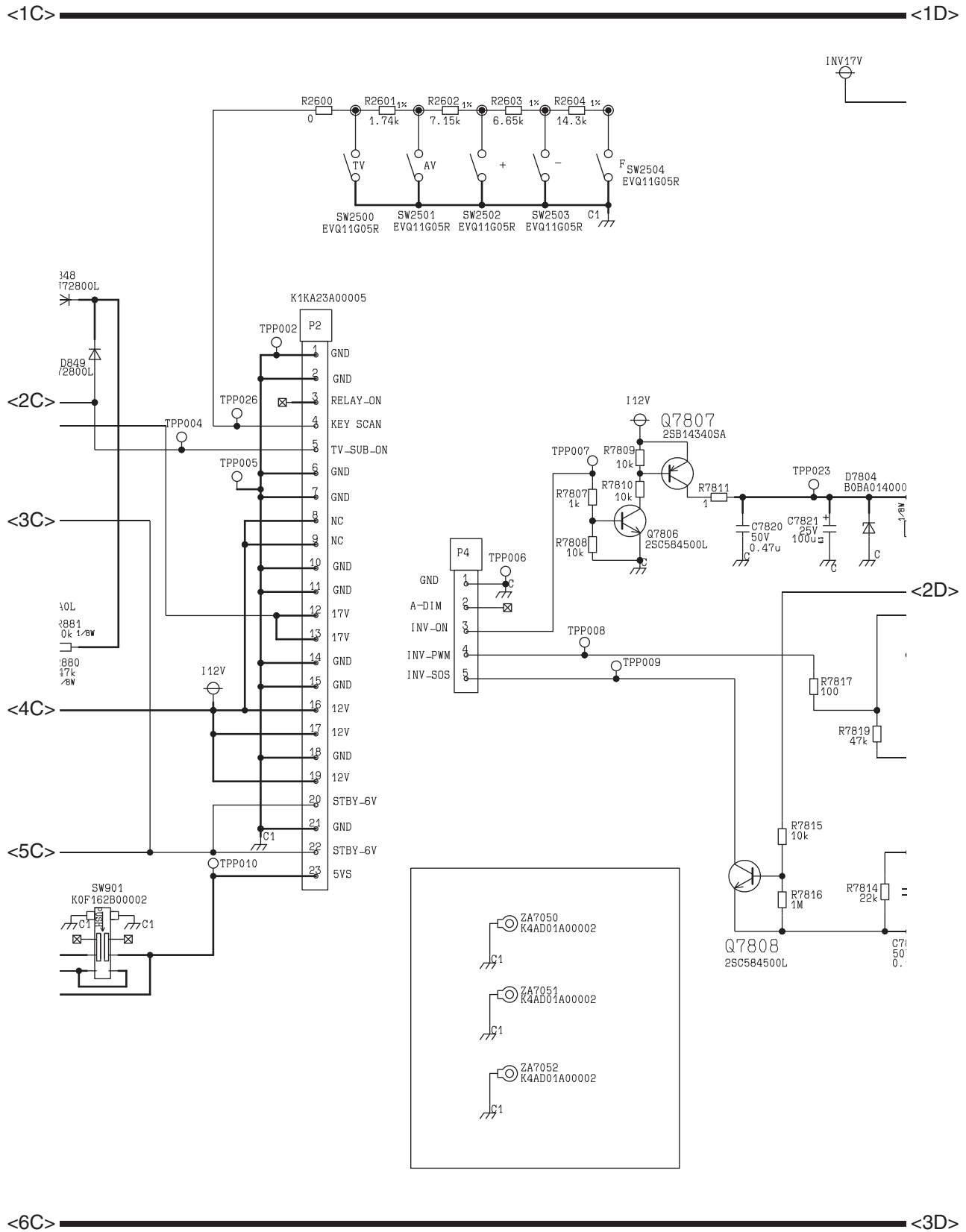
10.3.2. P Board (2 / 6)



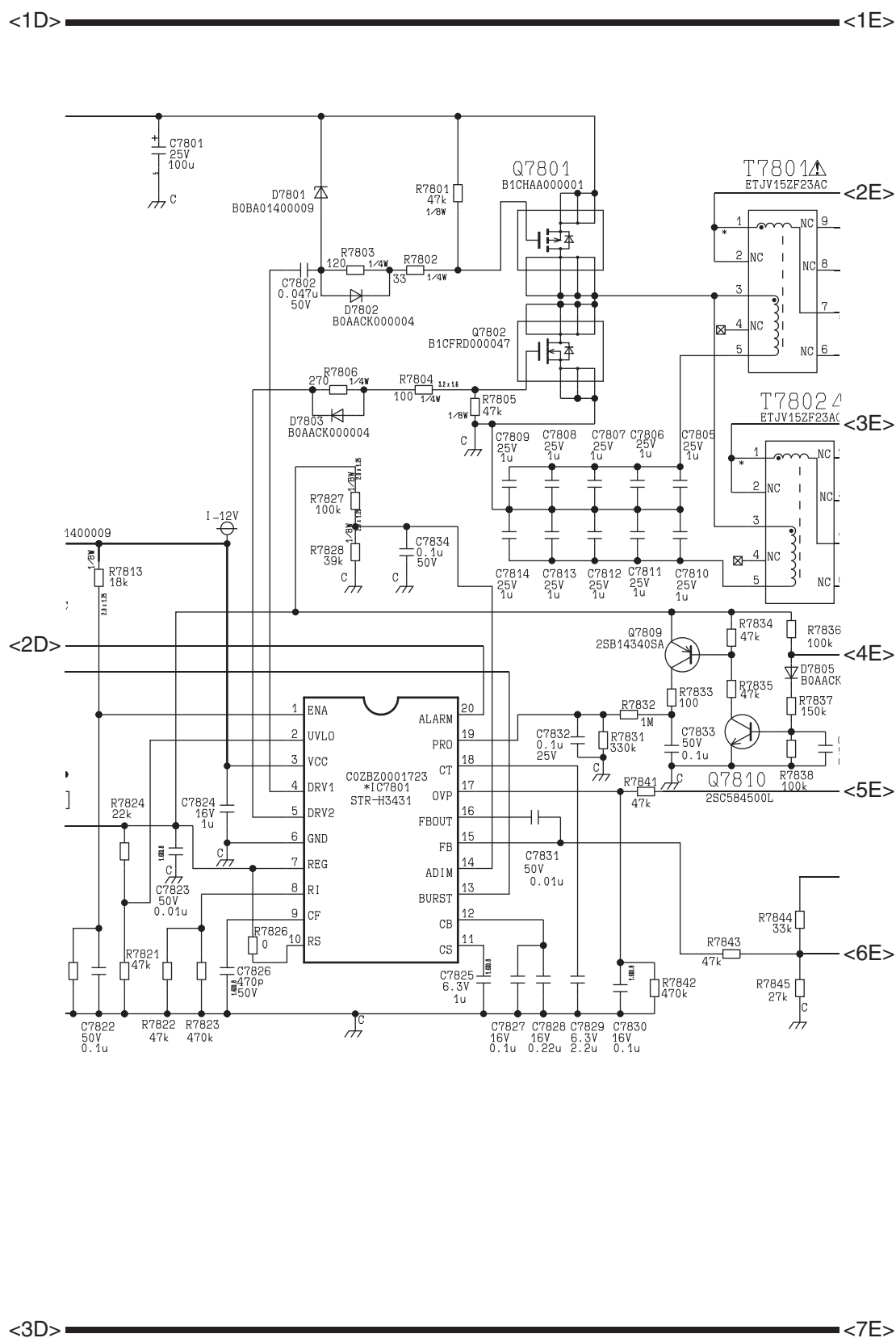
10.3.3. P Board (3 / 6)



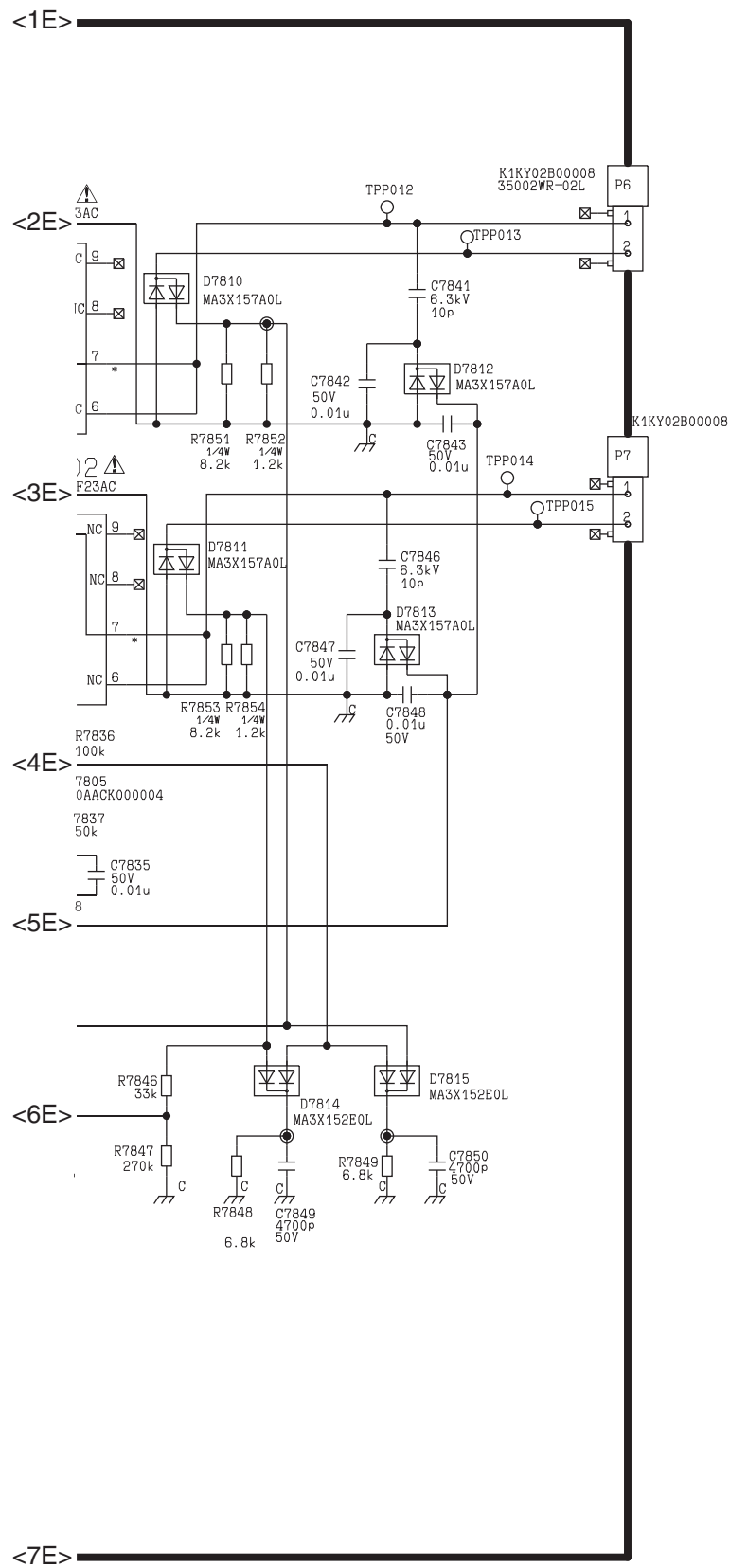
10.3.4. P Board (4 / 6)



10.3.5. P Board (5 / 6)

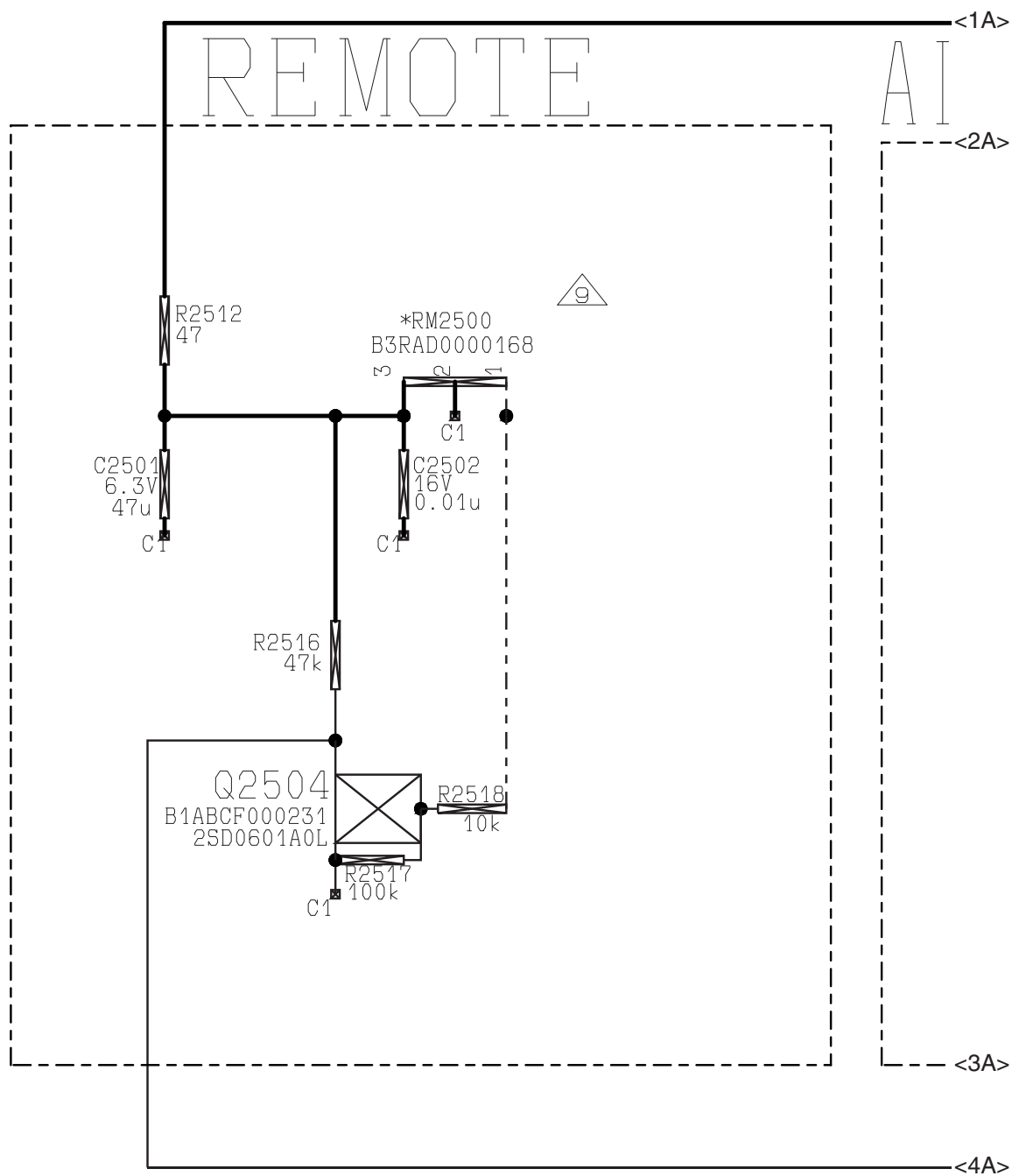


10.3.6. P Board (6 / 6)



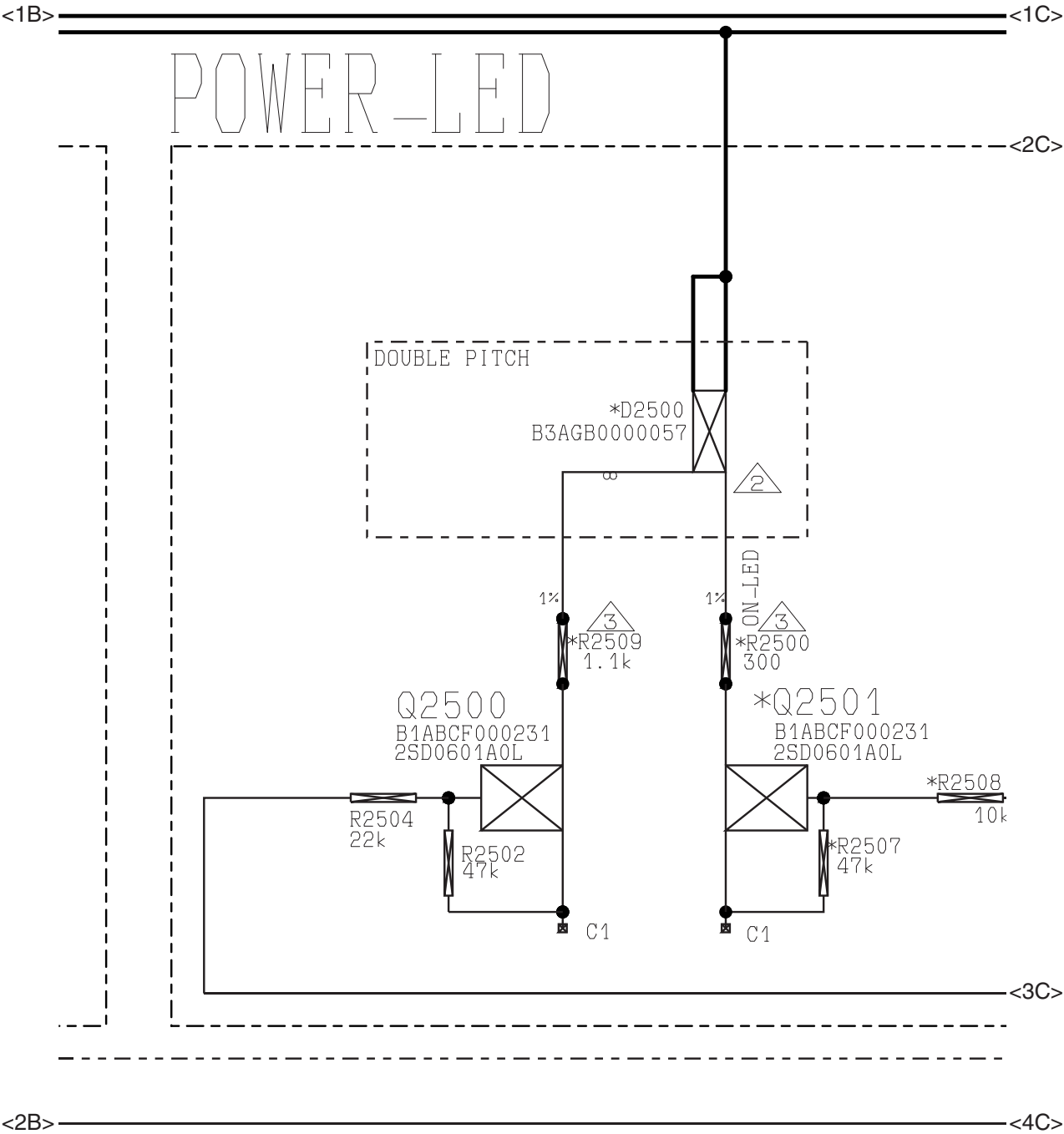
10.4. V Board

10.4.1. V Board (1 / 4)

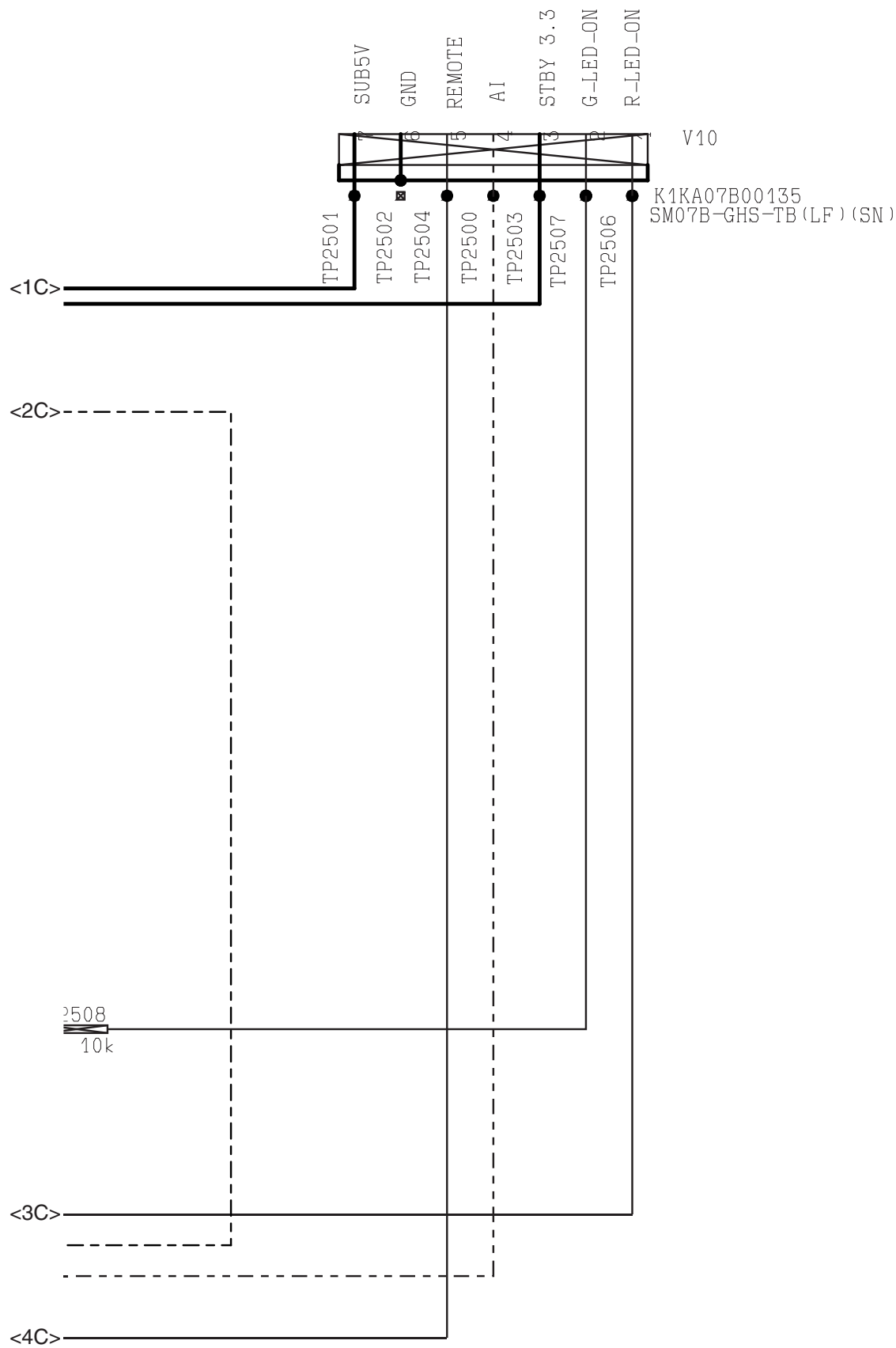




10.4.3. V Board (3 / 4)



10.4.4. V Board (4 / 4)



11 Exploded View and Replacement Parts List


11.1. Exploded View and Mechanical Replacement Parts List

Please click the radio button for “Diagrams II/Parts List” on the menu bar.

11.2. Electrical Replacement Parts List

11.2.1. Replacement Parts List Notes

Important Safety Notice

Components identified by  mark have special characteristics important for safety.
When replacing any of these components, use manufacturer's specified parts.

Note: Printed circuit board assembly with “NLA” is no longer available after production discontinuation of the complete set.

Abbreviation of part name and description

1. Resistor

Example :
ERD25TJ104 **C** 100 K Ω , **J**, 1/4 W
Type Allowance

Type	Allowance
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide Metal Film	J : $\pm 5\%$ K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

2. Capacitor

Example :
ECKF1H103ZF **C** 0.01 μ F, **Z**, 50 V
Type Allowance

Type	Allowance
C : Carbon	C : ± 0.25 pF
E : Electrolytic	D : ± 0.5 pF
P : Polyester Polypropylene	F : ± 1 pF G : $\pm 3\%$
T : Tantalum	J : $\pm 5\%$ K : $\pm 10\%$ L : $\pm 15\%$ M : $\pm 20\%$ P : $\pm 100\%$, -0% Z : $\pm 80\%$, -20%

11.2.2. Electrical Replacement Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
		CAPACITORS		
	C1009	F1G1A105A047	CAPACITOR	
	C1012	F1G1C104A116	CERAMIC CAPACITOR	
	C1040	F1G1H1020008	CERAMIC CAPACITOR	
	C1041	F1G1H1020008	CERAMIC CAPACITOR	
	C1043	F1G1H1020008	CERAMIC CAPACITOR	
	C1044	F1G1H1020008	CERAMIC CAPACITOR	
	C1045	F1G1H1020008	CERAMIC CAPACITOR	
	C1050	F1G1H1020008	CERAMIC CAPACITOR	
	C1051	F1G1H1020008	CERAMIC CAPACITOR	
	C1052	F1G1H1020008	CERAMIC CAPACITOR	
	C1102	F1J1A106A043	CERAMIC CAPACITOR	
	C1103	F1G1C104A116	CERAMIC CAPACITOR	
	C1104	F1G1C104A116	CERAMIC CAPACITOR	
	C1106	F1H1H3300005	CERAMIC CAPACITOR	
	C1107	F1G1H220A731	CERAMIC CAPACITOR	
	C1108	F1G1C104A116	CERAMIC CAPACITOR	
	C1109	F1H1A1050032	CERAMIC CAPACITOR	
	C1111	F1H1A1050032	CERAMIC CAPACITOR	
	C1112	F1G1C104A116	CERAMIC CAPACITOR	
	C1114	F1G1C104A116	CERAMIC CAPACITOR	
	C1117	F1G1C104A116	CERAMIC CAPACITOR	
	C1122	F1G1E1030005	CERAMIC CAPACITOR	
	C1123	F1H1A1050032	CERAMIC CAPACITOR	
	C2023	F1G1C104A116	CERAMIC CAPACITOR	
	C2049	F1G1C104A116	CERAMIC CAPACITOR	
	C2050	F1G1C104A116	CERAMIC CAPACITOR	
	C2055	F1G1H120A731	CERAMIC CAPACITOR	
	C2056	F1G1H180A731	CERAMIC CAPACITOR	
	C2058	F1G1C104A116	CERAMIC CAPACITOR	
	C2059	F1J1A106A043	CERAMIC CAPACITOR	
	C2091	F1G1H470A731	CHIP CAPACITOR	
	C2092	F1G1H220A731	CERAMIC CAPACITOR	
	C2096	F1G1C104A116	CERAMIC CAPACITOR	
	C2098	EEHBOJ221UP	CERAMIC CAPACITOR	
	C2099	EEHBOJ221UP	CERAMIC CAPACITOR	
	C2102	F1G1C104A116	CERAMIC CAPACITOR	
	C2105	F1G1C104A116	CERAMIC CAPACITOR	
	C2106	F1G1C104A116	CERAMIC CAPACITOR	
	C2107	F1J1A106A043	CERAMIC CAPACITOR	
	C2108	F1J1A106A043	CERAMIC CAPACITOR	
	C2109	F1G1C104A116	CERAMIC CAPACITOR	
	C2110	F1G1C104A116	CERAMIC CAPACITOR	
	C2111	F1J1A475A039	CERAMIC CAPACITOR	
	C2112	F1J1A106A043	CERAMIC CAPACITOR	
	C2113	F1J1A106A043	CERAMIC CAPACITOR	
	C2114	F1G1C104A116	CERAMIC CAPACITOR	
	C2115	F1G1C104A116	CERAMIC CAPACITOR	
	C2117	F1G1C104A116	CERAMIC CAPACITOR	
	C2118	F1J1A475A039	CERAMIC CAPACITOR	
	C2120	F1G1H560A731	CHIP CAPACITOR	
	C2121	F1G1H560A731	CHIP CAPACITOR	
	C2122	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C2123	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C2124	F1G1C104A116	CERAMIC CAPACITOR	
	C2125	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C2127	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C2128	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C2129	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C2135	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C2136	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C2137	F1J1A106A043	CERAMIC CAPACITOR	
	C2192	F1J1A106A043	CERAMIC CAPACITOR	
	C2216	F1G1C104A116	CERAMIC CAPACITOR	
	C2244	F1G1C104A116	CERAMIC CAPACITOR	
	C2245	F1G1H1020008	CERAMIC CAPACITOR	
	C2251	F1J1A106A043	CERAMIC CAPACITOR	
	C2263	F1J1A106A043	CERAMIC CAPACITOR	
	C2264	F1J1A106A043	CERAMIC CAPACITOR	
	C2265	F1G1H101A565	CERAMIC CAPACITOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C2266	F1G1H101A565	CERAMIC CAPACITOR	
	C2301	F1G1C104A116	CERAMIC CAPACITOR	
	C2302	F1G1C104A116	CERAMIC CAPACITOR	
	C2303	F1J1E105A171	CERAMIC CAPACITOR	
	C2305	F1J1E105A171	CERAMIC CAPACITOR	
	C2309	F1J1E105A171	CERAMIC CAPACITOR	
	C2313	F1H1A1050032	CERAMIC CAPACITOR	
	C2317	F1H1H104A970	CHIP CAPACITOR	
	C2319	F1H1H104A970	CHIP CAPACITOR	
	C2321	F1H1H104A970	CHIP CAPACITOR	
	C2323	F1H1H104A970	CHIP CAPACITOR	
	C2325	F1J1H474A757	CERAMIC CAPACITOR	
	C2331	F1J1H474A757	CERAMIC CAPACITOR	
	C2333	F1H1E104A029	CHIP CAPACITOR	
	C2335	F1H1E104A029	CHIP CAPACITOR	
	C2337	F1H1H223A219	CHIP CAPACITOR	
	C2339	F1H1H223A219	CHIP CAPACITOR	
	C2341	F1H1E104A029	CHIP CAPACITOR	
	C2343	F1H1E104A029	CHIP CAPACITOR	
	C2345	F1H1H223A219	CHIP CAPACITOR	
	C2347	F1H1H223A219	CHIP CAPACITOR	
	C2353	F1G1H1020008	CERAMIC CAPACITOR	
	C2359	F1G1H1020008	CERAMIC CAPACITOR	
	C2361	F2G1E4710007	ELECTROLYTIC CAPACITOR	
	C2362	F1K1E106A136	CERAMIC CAPACITOR	
	C2375	F1H1H223A219	CHIP CAPACITOR	
	C2377	F1H1H223A219	CHIP CAPACITOR	
	C2379	F1H1H223A219	CHIP CAPACITOR	
	C2381	F1H1H223A219	CHIP CAPACITOR	
	C2383	F1G1H1020008	CERAMIC CAPACITOR	
	C2385	F1G1H1020008	CERAMIC CAPACITOR	
	C2387	F1G1H1020008	CERAMIC CAPACITOR	
	C2389	F1G1H1020008	CERAMIC CAPACITOR	
	C2390	F1J1E105A171	CERAMIC CAPACITOR	
	C2501	F2G0J470A019	ELECTROLYTIC CAPACITOR	
	C2502	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C2505	F1G1A104A053	CERAMIC CAPACITOR	
	C2506	F1J1A106A043	CERAMIC CAPACITOR	
	C2512	F1J1A106A043	CERAMIC CAPACITOR	
	C2750	F1G1C104A116	CERAMIC CAPACITOR	
	C2751	F1G1H1020008	CERAMIC CAPACITOR	
	C2752	F1G1H1020008	CERAMIC CAPACITOR	
	C2753	F1G1H1020008	CERAMIC CAPACITOR	
	C2754	F1G1H1020008	CERAMIC CAPACITOR	
	C2755	F1G1H1020008	CERAMIC CAPACITOR	
	C2756	F1G1H1020008	CERAMIC CAPACITOR	
	C2757	F1G1H1020008	CERAMIC CAPACITOR	
	C2758	F1H1E104A029	CHIP CAPACITOR	
	C2759	F1G1C104A116	CERAMIC CAPACITOR	
	C2760	F1K1C1060004	CERAMIC CAPACITOR	
	C2761	F1G1C104A116	CERAMIC CAPACITOR	
	C2763	F1G1H1020008	CERAMIC CAPACITOR	
	C2766	F1G1C104A116	CERAMIC CAPACITOR	
	C2780	F1G1H101A565	CERAMIC CAPACITOR	
	C2906	F1H1C104A041	CERAMIC CAPACITOR	
	C2908	F1G1C104A116	CERAMIC CAPACITOR	
	C2909	F1H1A1050032	CERAMIC CAPACITOR	
	C2912	F2H0J1010009	CERAMIC CAPACITOR	
	C2914	F1H1H104A970	CHIP CAPACITOR	
	C2916	F1H1C104A041	CERAMIC CAPACITOR	
	C2919	F1H1C104A041	CERAMIC CAPACITOR	
	C2920	F1H1H103A219	CHIP CAPACITOR	
	C2922	F1H1C104A041	CERAMIC CAPACITOR	
	C2927	F1H1H100A971	CAPACITOR	
	C2928	F1G1H1020008	CERAMIC CAPACITOR	
	C2937	F1G1H103A735	CHIP RESISTOR	
	C2940	F1H1H102A219	CERAMIC CAPACITOR	
	C2942	F1H1H102A219	CERAMIC CAPACITOR	
	C2943	F1H1H102A219	CERAMIC CAPACITOR	
	C3002	F1G1H561A730	CHIP CAPACITOR	
	C3003	F1G1H561A730	CHIP CAPACITOR	
	C3007	F1G1H561A730	CHIP CAPACITOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C3008	F1G1H561A730	CHIP CAPACITOR	
	C3013	F1G1H561A730	CHIP CAPACITOR	
	C3014	F1G1H561A730	CHIP CAPACITOR	
	C3022	F1H1A1050032	CERAMIC CAPACITOR	
	C3024	F1H1A1050032	CERAMIC CAPACITOR	
	C3043	F1H1A1050032	CERAMIC CAPACITOR	
	C3044	F1H1A1050032	CERAMIC CAPACITOR	
	C3046	F1H1A1050032	CERAMIC CAPACITOR	
	C3047	F1H1A1050032	CERAMIC CAPACITOR	
	C3078	F1J1A106A043	CERAMIC CAPACITOR	
	C3083	F1J1A106A043	CERAMIC CAPACITOR	
	C3090	F1J1A106A043	CERAMIC CAPACITOR	
	C3091	F1J1A106A043	CERAMIC CAPACITOR	
	C3092	F1J1A106A043	CERAMIC CAPACITOR	
	C3095	F2G1A101A019	ELECTROLYTIC CAPACITOR	
	C3103	F2G1A101A019	ELECTROLYTIC CAPACITOR	
	C3107	F1J1A106A043	CERAMIC CAPACITOR	
	C3108	F1J1A106A043	CERAMIC CAPACITOR	
	C3109	F1J1A106A043	CERAMIC CAPACITOR	
	C3114	F1J1A106A043	CERAMIC CAPACITOR	
	C3115	F1J1A106A043	CERAMIC CAPACITOR	
	C3116	F1J1A106A043	CERAMIC CAPACITOR	
	C3117	F1J1A106A043	CERAMIC CAPACITOR	
	C3139	F1G1C104A116	CERAMIC CAPACITOR	
	C3140	F1G1C104A116	CERAMIC CAPACITOR	
	C3141	F1G1C104A116	CERAMIC CAPACITOR	
	C3143	F1G1C104A116	CERAMIC CAPACITOR	
	C3144	F1J1A106A043	CERAMIC CAPACITOR	
	C3145	F1G1C104A116	CERAMIC CAPACITOR	
	C3146	F1J1A106A043	CERAMIC CAPACITOR	
	C3147	F1J1A106A043	CERAMIC CAPACITOR	
	C3251	F1G1C104A116	CERAMIC CAPACITOR	
	C3252	F1G1C104A116	CERAMIC CAPACITOR	
	C3253	F1H1H5610007	CERAMIC CAPACITOR	
	C3254	F1H1H5610007	CERAMIC CAPACITOR	
	C3255	F1H1H472A013	CHIP CAPACITOR	
	C3256	F1H1H472A013	CHIP CAPACITOR	
	C4239	F1J1A106A043	CERAMIC CAPACITOR	
	C4243	F1G1C104A116	CERAMIC CAPACITOR	
	C4250	F1H1H103A219	CHIP CAPACITOR	
	C4251	F1H1H103A219	CHIP CAPACITOR	
	C4252	EEEB1C470P	ELECTROLYTIC CAPACITOR	
	C4500	F1G1C104A116	CERAMIC CAPACITOR	
	C4501	F1G1C104A116	CERAMIC CAPACITOR	
	C4502	F1G1C104A116	CERAMIC CAPACITOR	
	C4503	F1G1C104A116	CERAMIC CAPACITOR	
	C4533	F1G1H680A731	CERAMIC CAPACITOR	
	C4534	F1G1C104A116	CERAMIC CAPACITOR	
	C4535	F1G1C104A116	CERAMIC CAPACITOR	
	C4547	F1G1C104A116	CERAMIC CAPACITOR	
	C4548	F1G1C104A116	CERAMIC CAPACITOR	
	C4549	F1G1C104A116	CERAMIC CAPACITOR	
	C4550	F1G1C104A116	CERAMIC CAPACITOR	
	C4551	F1G1C104A116	CERAMIC CAPACITOR	
	C4552	F1G1C104A116	CERAMIC CAPACITOR	
	C4553	F1G1H1020008	CERAMIC CAPACITOR	
	C4554	EEEB1C470P	ELECTROLYTIC CAPACITOR	
	C4555	F1J1A106A043	CERAMIC CAPACITOR	
	C4574	F1G1C104A116	CERAMIC CAPACITOR	
	C4575	F1G1C104A116	CERAMIC CAPACITOR	
	C4580	F1G1C104A116	CERAMIC CAPACITOR	
	C4585	F1G1C104A116	CERAMIC CAPACITOR	
	C4595	F1G1C104A116	CERAMIC CAPACITOR	
	C4598	F1J1A106A043	CERAMIC CAPACITOR	
	C4599	F1J1A106A043	CERAMIC CAPACITOR	
	C4600	F1G1C104A116	CERAMIC CAPACITOR	
	C4601	F1J1A106A043	CERAMIC CAPACITOR	
	C4602	F1G1C104A116	CERAMIC CAPACITOR	
	C4603	F1J1A475A039	CERAMIC CAPACITOR	
	C4605	F1J1A475A039	CERAMIC CAPACITOR	
	C4606	F1J1A475A039	CERAMIC CAPACITOR	
	C4607	F1J1A475A039	CERAMIC CAPACITOR	
	C4608	F1G1C104A116	CERAMIC CAPACITOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C4613	F1H0J1050012	CERAMIC CAPACITOR	
	C4616	F1J1A475A039	CERAMIC CAPACITOR	
	C4617	F1J1A475A039	CERAMIC CAPACITOR	
	C4624	F1G1C104A116	CERAMIC CAPACITOR	
	C4625	F1G1C104A116	CERAMIC CAPACITOR	
	C4626	F1G1C104A116	CERAMIC CAPACITOR	
	C4628	F1G1C104A116	CERAMIC CAPACITOR	
	C4629	F1G1C104A116	CERAMIC CAPACITOR	
	C4630	F1G1C104A116	CERAMIC CAPACITOR	
	C4631	F1J1A106A043	CERAMIC CAPACITOR	
	C4632	F1G1C104A116	CERAMIC CAPACITOR	
	C4633	F1J1A106A043	CERAMIC CAPACITOR	
	C4634	F1G1C104A116	CERAMIC CAPACITOR	
	C4635	F1J1A106A043	CERAMIC CAPACITOR	
	C4636	F1G1C104A116	CERAMIC CAPACITOR	
	C4637	F1G1C104A116	CERAMIC CAPACITOR	
	C4638	F1G1C104A116	CERAMIC CAPACITOR	
	C4640	F1G1C104A116	CERAMIC CAPACITOR	
	C4642	F1G1C104A116	CERAMIC CAPACITOR	
	C4643	F1G1C104A116	CERAMIC CAPACITOR	
	C4644	F1G1C104A116	CERAMIC CAPACITOR	
	C4645	F1G1C104A116	CERAMIC CAPACITOR	
	C5406	F1H1H222A219	CHIP CAPACITOR	
	C5408	F1J1A106A043	CERAMIC CAPACITOR	
	C5410	F1J1E105A171	CERAMIC CAPACITOR	
	C5414	F1J1E105A171	CERAMIC CAPACITOR	
	C5415	F1J1E105A171	CERAMIC CAPACITOR	
	C5421	F1J1A106A043	CERAMIC CAPACITOR	
	C5441	F2G1C100A022	ELECTROLYTIC CAPACITOR	
	C5443	F2G1V100A020	ELECTROLYTIC CAPACITOR	
	C5444	F1H1H102A219	CERAMIC CAPACITOR	
	C5451	F1H1C104A041	CERAMIC CAPACITOR	
	C5452	EEEB1C470P	ELECTROLYTIC CAPACITOR	
	C5453	F1K1C1060004	CERAMIC CAPACITOR	
	C5454	F1K1C1060004	CERAMIC CAPACITOR	
	C5455	F1J1H103A834	CERAMIC CAPACITOR	
	C5456	F1K1H1050002	CERAMIC CAPACITOR	
	C5457	F2H1V221A004	ELECTROLYTIC CAPACITOR	
	C5460	F1H1H223A219	CHIP CAPACITOR	
	C5461	F1H1H222A219	CHIP CAPACITOR	
	C5462	F1H1E104A029	CHIP CAPACITOR	
	C5463	F1H1H222A219	CHIP CAPACITOR	
	C5464	F1H1A1050032	CERAMIC CAPACITOR	
	C5480	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C5481	F1H1A1050032	CERAMIC CAPACITOR	
	C5483	F1J1A106A043	CERAMIC CAPACITOR	
	C5486	F1G1C473A081	CHIP CAPACITOR	
	C5487	F1H1C105A008	CHIP CAPACITOR	
	C5488	F1G1C473A081	CHIP CAPACITOR	
	C5489	F1J1A106A043	CERAMIC CAPACITOR	
	C5492	F1G1C104A116	CERAMIC CAPACITOR	
	C5493	F1H1A1050032	CERAMIC CAPACITOR	
	C5494	F1H1C105A145	CHIP CAPACITOR	
	C5602	F2H0J1010009	CERAMIC CAPACITOR	
	C5603	F1G1C104A116	CERAMIC CAPACITOR	
	C5604	ECJ0EB1E682K	CERAMIC CAPACITOR	
	C5605	F1J1A475A039	CERAMIC CAPACITOR	
	C5606	F1H1C105A145	CHIP CAPACITOR	
	C5607	F1G1H221A459	CERAMIC CAPACITOR	
	C5611	F1K1C1060004	CERAMIC CAPACITOR	
	C5612	F1K1C1060004	CERAMIC CAPACITOR	
	C5615	F1K1C1060004	CERAMIC CAPACITOR	
	C5616	F1G1C273A081	CHIP CAPACITOR	
	C5618	F1K1C1060004	CERAMIC CAPACITOR	
	C5619	F1K1C1060004	CERAMIC CAPACITOR	
	C5620	F1H1C104A041	CERAMIC CAPACITOR	
	C5621	F1G1E1030005	CERAMIC CAPACITOR	
	C5622	F1J1A475A039	CERAMIC CAPACITOR	
	C5623	F1G1H221A459	CERAMIC CAPACITOR	
	C5624	F1G1H471A730	CHIP CAPACITOR	
	C5626	F1G1C104A116	CERAMIC CAPACITOR	
	C5627	F1G1C104A116	CERAMIC CAPACITOR	
	C5628	ECGRL0E680ER	CHIP CAPACITOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C5629	ECGRL0E680ER	CHIP CAPACITOR	
	C5631	EEH1C470P	ELECTROLYTIC CAPACITOR	
	C5632	F1H1C105A145	CHIP CAPACITOR	
	C5636	F1G1C104A116	CERAMIC CAPACITOR	
	C5637	F1G1C104A116	CERAMIC CAPACITOR	
	C5638	F1G1C104A116	CERAMIC CAPACITOR	
	C5639	F1G1C104A116	CERAMIC CAPACITOR	
	C5640	F1G1C104A116	CERAMIC CAPACITOR	
	C5641	F1G1C104A116	CERAMIC CAPACITOR	
	C5642	F1K1C1060004	CERAMIC CAPACITOR	
	C5643	F1H1C104A041	CERAMIC CAPACITOR	
	C5644	F1H1C105A145	CHIP CAPACITOR	
	C7602	F1J1H474A757	CERAMIC CAPACITOR	
	C7801	F2A1E101A134	ELECTROLYTIC CAPACITOR	
	C7802	F1H1H473A995	CHIP CAPACITOR	
	C7805	F1J1E1050003	CHIP CAPACITOR	
	C7806	F1J1E1050003	CHIP CAPACITOR	
	C7807	F1J1E1050003	CHIP CAPACITOR	
	C7808	F1J1E1050003	CHIP CAPACITOR	
	C7809	F1J1E1050003	CHIP CAPACITOR	
	C7810	F1J1E1050003	CHIP CAPACITOR	
	C7811	F1J1E1050003	CHIP CAPACITOR	
	C7812	F1J1E1050003	CHIP CAPACITOR	
	C7813	F1J1E1050003	CHIP CAPACITOR	
	C7814	F1J1E1050003	CHIP CAPACITOR	
	C7820	F1J1H474A757	CERAMIC CAPACITOR	
	C7821	F2A1E101A096	ELECTROLYTIC CAPACITOR	
	C7822	F1J1H104A459	CAPACITORS	
	C7823	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
	C7824	ECJ1VF1C105Z	CERAMIC CAPACITOR	
	C7825	ECJ1VB0J105K	C 1UF, K, 6.3V	
	C7826	ECJ1VC1H471J	C 470PF, J, 50V	
	C7827	F1H1C104A041	CERAMIC CAPACITOR	
	C7828	F1H1C224A065	C 0.22UF, K, 16V	
	C7829	ECJ1VB0J225K	CERAMIC CAPACITOR	
	C7830	ECJ1VB1C104K	C 0.1UF, K, 16V	
	C7831	F1J1H1030007	CERAMIC CAPACITOR	
	C7832	F1H1E104A029	CHIP CAPACITOR	
	C7833	F1J1H104A459	CAPACITORS	
	C7834	ECJ1VB1H104K	CERAMIC CAPACITOR	
	C7835	F1H1H103A219	CHIP CAPACITOR	
	C7841	F1B3J100A013	CERAMIC CAPACITOR	
	C7842	F1J1H1030007	CERAMIC CAPACITOR	
	C7843	F1J1H1030007	CERAMIC CAPACITOR	
	C7846	F1B3J100A013	CERAMIC CAPACITOR	
	C7847	F1J1H1030007	CERAMIC CAPACITOR	
	C7848	F1J1H1030007	CERAMIC CAPACITOR	
	C7849	F1J1H472A834	CHIP CAPACITOR	
	C7850	F1J1H472A834	CHIP CAPACITOR	
	C8001	F1G1C104A116	CERAMIC CAPACITOR	
	C8002	F1H0J1050012	CERAMIC CAPACITOR	
	C8003	F1H0J1050012	CERAMIC CAPACITOR	
	C8004	F1H0J1050012	CERAMIC CAPACITOR	
	C8005	F1H0J1050012	CERAMIC CAPACITOR	
	C8006	F1G1C104A116	CERAMIC CAPACITOR	
	C8007	F1G1C104A116	CERAMIC CAPACITOR	
	C8008	F1G1C104A116	CERAMIC CAPACITOR	
	C8009	F1J1A106A043	CERAMIC CAPACITOR	
▲	C801	F0CAF224A066	PLASTIC FILM CAPACITOR	
	C8010	F1J1A106A043	CERAMIC CAPACITOR	
	C8011	F1G1C104A116	CERAMIC CAPACITOR	
	C8012	F1G1C104A116	CERAMIC CAPACITOR	
	C8013	F1G1C104A116	CERAMIC CAPACITOR	
	C8014	F1G1C104A116	CERAMIC CAPACITOR	
	C8015	F1H0J1050012	CERAMIC CAPACITOR	
	C8016	F1H0J1050012	CERAMIC CAPACITOR	
	C8017	F1J1A106A043	CERAMIC CAPACITOR	
	C8018	F1G1C104A116	CERAMIC CAPACITOR	
	C8019	F1G1C104A116	CERAMIC CAPACITOR	
	C802	F0CAF224A066	PLASTIC FILM CAPACITOR	
	C8020	F1G1C104A116	CERAMIC CAPACITOR	
	C8021	F1G1C104A116	CERAMIC CAPACITOR	
	C8022	F1H0J1050012	CERAMIC CAPACITOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C8023	F1J1A106A043	CERAMIC CAPACITOR	
	C8024	F1J1A106A043	CERAMIC CAPACITOR	
	C8025	F1G1C104A116	CERAMIC CAPACITOR	
	C8026	F1G1C104A116	CERAMIC CAPACITOR	
	C8027	F1G1C104A116	CERAMIC CAPACITOR	
	C8028	F1G1C104A116	CERAMIC CAPACITOR	
	C8029	F1G1C104A116	CERAMIC CAPACITOR	
	C803	F0CAF224A066	PLASTIC FILM CAPACITOR	
	C8030	F1H0J1050012	CERAMIC CAPACITOR	
	C8031	F1H0J1050012	CERAMIC CAPACITOR	
	C8032	F1J1A106A043	CERAMIC CAPACITOR	
	C8033	F1G1C104A116	CERAMIC CAPACITOR	
	C8034	F1G1C104A116	CERAMIC CAPACITOR	
	C8035	F1J1A106A043	CERAMIC CAPACITOR	
	C8036	F1J1A106A043	CERAMIC CAPACITOR	
	C8037	F1G1C104A116	CERAMIC CAPACITOR	
	C8038	F1G1C104A116	CERAMIC CAPACITOR	
	C8039	F1G1C104A116	CERAMIC CAPACITOR	
▲	C804	ECQV1104JM	P 0.1UF, J, 100V	
	C8040	F1G1C104A116	CERAMIC CAPACITOR	
	C8041	F1G1C104A116	CERAMIC CAPACITOR	
	C8042	ECGRL0G680ER	CAPACITOR	
	C8043	F1G1C104A116	CERAMIC CAPACITOR	
	C8044	F1G1C104A116	CERAMIC CAPACITOR	
	C8045	F1G1C104A116	CERAMIC CAPACITOR	
	C8046	F1G1C104A116	CERAMIC CAPACITOR	
	C8047	F1G1C104A116	CERAMIC CAPACITOR	
	C8048	F1G1C104A116	CERAMIC CAPACITOR	
	C8049	F1G1C104A116	CERAMIC CAPACITOR	
	C805	F1A2E471A002	CERAMIC CAPACITOR	
	C8050	F1G1C104A116	CERAMIC CAPACITOR	
	C8051	F1G1C104A116	CERAMIC CAPACITOR	
	C8052	F1H0J1050012	CERAMIC CAPACITOR	
	C8053	F1G1E1030005	CERAMIC CAPACITOR	
	C8054	F1G1H120A731	CERAMIC CAPACITOR	
	C8055	F1G1HR50A577	CERAMIC CAPACITOR	
	C8056	F1G1C104A116	CERAMIC CAPACITOR	
	C8057	F1G1C104A116	CERAMIC CAPACITOR	
	C8058	F1J1A106A043	CERAMIC CAPACITOR	
	C806	F1A2E471A002	CERAMIC CAPACITOR	
	C8060	F1G1H1020008	CERAMIC CAPACITOR	
	C8067	F1G1E1030005	CERAMIC CAPACITOR	
	C8068	F1G1C104A116	CERAMIC CAPACITOR	
	C8069	F1G1H820A731	CERAMIC CAPACITOR	
	C8070	F1G1C104A116	CERAMIC CAPACITOR	
	C8071	F1G1C104A116	CERAMIC CAPACITOR	
	C8072	F1G1C104A116	CERAMIC CAPACITOR	
	C8073	F1G1C104A116	CERAMIC CAPACITOR	
	C8074	F1G1C104A116	CERAMIC CAPACITOR	
	C8075	F1J0G2260001	CERAMIC CAPACITOR	
	C8076	F1G1C104A116	CERAMIC CAPACITOR	
	C8077	F1G1C104A116	CERAMIC CAPACITOR	
	C8078	F1G1C104A116	CERAMIC CAPACITOR	
	C8079	F1G1C104A116	CERAMIC CAPACITOR	
	C8080	F1G1C104A116	CERAMIC CAPACITOR	
	C810	F2A2W1010009	CAPACITOR	
	C811	ECQE6103KF	PLASTIC FILM CAPACITOR	
▲	C812	ECKW3D331JBP	C 330PF, J, 2KV	
	C816	F2A1H1000084	ELECTROLYTIC CAPACITOR	
	C817	F2A1H4700036	CAPACITOR	
	C818	ECKW3D221KBP	CERAMIC CAPACITOR	
	C819	F1J1H104A459	CAPACITORS	
	C820	F1J1H222A834	CHIP CAPACITOR	
	C821	F1A2E681A002	CERAMIC CAPACITOR	
	C838	F2A1H2R2A317	CAPACITOR	
▲	C851	ECKW3D102KBP	C 1000PF, K, 2KV	
	C852	F2A1E102A223	ELECTROLYTIC CAPACITOR	
	C8532	EEH1C470P	ELECTROLYTIC CAPACITOR	
	C8533	F1G1C104A116	CERAMIC CAPACITOR	
	C8535	F1G1C103A116	CERAMIC CHIP CAPACITOR	
	C8544	F1J0G2260001	CERAMIC CAPACITOR	
	C8555	F1G1C104A116	CERAMIC CAPACITOR	
	C856	F1B2H102A073	CERAMIC CAPACITOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C857	F2A1E102A223	ELECTROLYTIC CAPACITOR	
	C858	F1J1H474A757	CERAMIC CAPACITOR	
	C8601	F1G1C104A116	CERAMIC CAPACITOR	
	C876	F2A1V221A470	ELECTROLYTIC CAPACITOR	
	C877	F2A1C471A537	ELECTROLYTIC CAPACITOR	
	C878	ECJ1VB1H104K	CERAMIC CAPACITOR	
	C8857	F1G1H1020008	CERAMIC CAPACITOR	
	C8859	F1G1H1020008	CERAMIC CAPACITOR	
		DIODES		
	D1002	EZJZ0V120JA	VARISTOR	
	D1003	EZJZ0V120JA	VARISTOR	
	D1004	EZAEG2A50AX	FILTER	
	D1005	EZAEG2A50AX	FILTER	
	D1006	EZAEG2A50AX	FILTER	
	D1007	EZAEG2A50AX	FILTER	
	D1107	MA704ATX	DIODE	
	D1112	MA2J72800L	DIODE	
	D2014	MA2J11100L	DIODE	
	D2017	MA2J11100L	DIODE	
	D2500	B3AGB0000057	DIODE	
	D2752	EZJZ0V120JA	VARISTOR	
	D2760	MAZ81400ML	DIODE	
	D4512	EZAEG2A50AX	FILTER	
	D4513	B0BC5R6A0275	DIODE	
	D4517	EZAEG2A50AX	FILTER	
	D4518	EZAEG2A50AX	FILTER	
	D4520	EZAEG2A50AX	FILTER	
	D4525	MA2J11100L	DIODE	
	D4526	MA2J11100L	DIODE	
	D4541	MA2J11100L	DIODE	
	D4542	MA2J11100L	DIODE	
	D4576	B0HCMM000014	DIODE	
	D4577	B0HCMM000014	DIODE	
	D4583	B0HCMM000014	DIODE	
	D4611	B0BC5R6A0275	DIODE	
	D5407	MA2J11100L	DIODE	
	D5414	MA2J11100L	DIODE	
	D5441	MA3X78900L	DIODE	
	D5442	B0BC03900015	DIODE	
	D5451	B0JCPG000005	DIODE	
	D5452	B0BC03300012	DIODE	
	D5453	B0BC01000035	DIODE	
	D5454	MAZ81100ML	DIODE	
	D5455	MA2J11100L	DIODE	
	D5456	B0BC6R600005	DIODE	
	D5457	B0BC6R600005	DIODE	
	D5458	B0BC6R600005	DIODE	
	D5459	B0BC6R600005	DIODE	
	D5471	MA2J11100L	DIODE	
	D5472	MA2J11100L	DIODE	
	D5473	MA2J11100L	DIODE	
	D5474	MA2J11100L	DIODE	
	D5480	MA2J11100L	DIODE	
	D5481	MAZ81800ML	DIODE	
	D5482	MA2J11100L	DIODE	
	D5483	MAZ81100ML	DIODE	
	D5484	MA2J11100L	DIODE	
	D5485	MAZ82400ML	DIODE	
	D5486	MA2J11100L	DIODE	
	D5612	MAZ80470ML	DIODE	
	D5613	MA2J11100L	DIODE	
	D5618	MAZ80470ML	DIODE	
	D5619	MA2J11100L	DIODE	
	D5626	MAZ80470ML	DIODE	
	D5627	MA2J11100L	DIODE	
	D7801	MTZJ15B	ZENER DIODE	
	D7802	B0AACK000004	DIODE	
	D7803	B0AACK000004	DIODE	
	D7804	MTZJ15B	ZENER DIODE	
	D7805	B0AACK000004	DIODE	
	D7810	MA3X157A0L	DIODE	
	D7811	MA3X157A0L	DIODE	
	D7812	MA3X157A0L	DIODE	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	D7813	MA3X157A0L	DIODE	
	D7814	MA3X152E0L	DIODE	
	D7815	MA3X152E0L	DIODE	
⚠	D801	D4EAC6210002	VARISTOR	
	D802	MTZJ10C	ZENER DIODE	
	D803	B0BA02500002	DIODE	
	D804	B0HAJL000003	DIODE	
⚠	D806	D4EAC6210002	VARISTOR	
	D810	B0EBNT000022	DIODE	
	D811	B0EAKT000018	DIODE	
	D816	B0HAJL000003	DIODE	
	D817	B0HAJL000003	DIODE	
	D818	B0BA8R000010	DIODE	
	D847	B0JCME000037	DIODE	
	D848	MA2J72800L	DIODE	
	D849	MA2J72800L	DIODE	
	D851	B0HAQL000005	DIODE	
	D856	B0HANM000032	DIODE	
	D876	B0JCME000037	DIODE	
	D877	B0JCPG000005	DIODE	
	D878	B0JCPG000005	DIODE	
		INTEGRATED CIRCUITS		
	IC1100	MN103SH9FPA1	IC	
	IC1101	TVR4GAS817	ROM IC (C3EBFC000042)	
	IC2008	C0DBGYY00578	IC	
	IC2301	C1AB00002875	IC	
	IC2902	C0DBGYY00281	IC	
	IC3001	C1AB00002855	IC	
	IC4510	C1AB00003045	IC	
	IC4511	C0DBGYY00578	IC	
	IC4512	C0CBCAG00039	IC	
	IC4513	C0DBGY00618	IC	
	IC5405	C0DBEYG00002	IC REGULATOR	
	IC5409	C0DBEHE00005	IC, POWER SUPPLY	
	IC5441	C0DBAJB00004	IC	
	IC5451	C0DBEYY00084	IC	
	IC5480	C1ZBZ0003986	IC	
	IC5600	C0DBAYY00480	IC	
	IC5601	C0DBAYY00480	IC	
	IC7801	C0ZBZ0001723	IC	
	IC8001	MN2WS0047A	IC	
	IC8002	C3ABRY000038	IC	
	IC8003	C3ABRY000038	IC	
	IC8004	C0ZBZ0001567	IC	
⚠	IC801	C5HAZYY00008	IC	
	IC8554	TVR4G69-AL	ROM IC (C3FBRG000011)	
	IC8601	TVR4GAS864	ROM IC (C3EBGC000056)	
	IC861	C0DAEMZ00001	IC	
	IC876	C0DAAYY00051	IC	
		COILS		
	L1100	J0JYC0000068	COIL	
	L2001	G1C150KA0038	COIL	
	L2005	ERJ6GEY0R00	M 00HM, J, 1/10W	
	L2006	ERJ6GEY0R00	M 00HM, J, 1/10W	
	L2010	G1C220MA0291	COIL	
	L2012	G1C220MA0291	COIL	
	L2014	G1C220MA0291	COIL	
	L2016	G1C220MA0291	COIL	
	L2018	J0JHC0000042	COIL	
	L2032	J0JYC0000068	COIL	
	L2750	J0JYC0000065	COIL	
	L2751	J0JYC0000065	COIL	
	L2752	J0JYC0000065	COIL	
	L2754	J0JYC0000065	COIL	
	L2755	J0JYC0000065	COIL	
	L2756	J0JYC0000065	COIL	
	L2901	J0JCC0000278	COIL	
	L2902	J0JCC0000269	COIL	
	L2904	J0JCC0000269	COIL	
	L2907	J0JCC0000063	BEAD CORE	
	L2908	J0JCC0000063	BEAD CORE	
	L3002	J0JCC0000287	COIL	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	L3003	J0JCC0000287	COIL	
	L3010	J0JCC0000287	COIL	
	L3011	J0JCC0000287	COIL	
	L3014	J0JCC0000287	COIL	
	L3015	J0JCC0000287	COIL	
	L3017	J0JCC0000287	COIL	
	L3019	J0JCC0000287	COIL	
	L3251	TSK1032	BEAD CORE	
	L3252	TSK1032	BEAD CORE	
	L4201	J0JYC0000068	COIL	
	L4210	J0JHC0000045	COIL	
	L4502	J0JYC0000068	COIL	
	L4503	J0JYC0000068	COIL	
	L4504	J0JYC0000068	COIL	
	L4505	J0JYC0000068	COIL	
	L4506	J0JYC0000068	COIL	
	L4507	J0JYC0000068	COIL	
	L4511	J0JYC0000068	COIL	
	L4512	J0JCC0000059	COIL	
	L4513	J0JCC0000059	COIL	
	L4514	J0JYC0000068	COIL	
	L4515	J0JYC0000068	COIL	
	L4516	J0JYC0000068	COIL	
	L4517	J0JYC0000068	COIL	
	L4518	J0JYC0000068	COIL	
	L4519	J0JYC0000068	COIL	
	L5443	G1C470MA0077	COIL	
	L5444	G1C100MA0072	COIL	
	L5451	G1C330MA0363	COIL	
	L5452	J0JHC0000096	SWITCH	
	L5480	J0JYC0000068	COIL	
	L5481	J0JYC0000068	COIL	
	L5600	G1C2R2Z00007	COIL	
	L5601	G1C3R3Z00004	COIL	
	L5602	G1C4R7Z00014	COIL	
	L5604	G1C100MA0203	COIL	
	L5605	J0JHC0000045	COIL	
	L5608	G1C100MA0077	COIL	
	L8001	J0JHC0000045	COIL	
	L8002	J0JHC0000045	COIL	
	L8003	J0JHC0000045	COIL	
	L8004	J0JHC0000045	COIL	
	L8005	J0JHC0000045	COIL	
	L8007	J0JHC0000045	COIL	
	L8008	J0JHC0000045	COIL	
	L8009	J0JHC0000045	COIL	
	L8010	J0JHC0000045	COIL	
	L816	J0JKA0000025	BEAD CORE	
	L817	J0JKA0000025	BEAD CORE	
		TRANSISTORS		
	Q0900	B1CBHD000002	TRANSISTOR	
	Q0901	B1CBHD000002	TRANSISTOR	
	Q2001	B1ABCF000231	TRANSISTOR	
	Q2022	B1ADCE000022	TRANSISTOR	
	Q2063	2SD0601ASL	TRANSISTOR	
	Q2064	2SD0601ASL	TRANSISTOR	
	Q2065	2SB0709ASL	TRANSISTOR	
	Q2500	B1ABCF000231	TRANSISTOR	
	Q2501	B1ABCF000231	TRANSISTOR	
	Q2504	B1ABCF000231	TRANSISTOR	
	Q3000	B1ABCF000231	TRANSISTOR	
	Q3001	B1ABCF000231	TRANSISTOR	
	Q4201	2SD0601A0L	TRANSISTOR	
	Q4202	2SB709ATX	TRANSISTOR	
	Q4203	2SD0601A0L	TRANSISTOR	
	Q4205	2SD0601A0L	TRANSISTOR	
	Q4500	B1ABCF000231	TRANSISTOR	
	Q4501	B1ABCF000231	TRANSISTOR	
	Q4514	2SB0709ASL	TRANSISTOR	
	Q4515	2SB0709ASL	TRANSISTOR	
	Q4516	2SB0709ASL	TRANSISTOR	
	Q4517	2SB0709ASL	TRANSISTOR	
	Q4533	B1ABCF000231	TRANSISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	Q4534	B1ABCF000231	TRANSISTOR	
	Q5407	2SC584500L	TRANSISTOR	
	Q5408	2SC584500L	TRANSISTOR	
	Q5417	B1CHRE000005	TRANSISTOR	
	Q5421	2SC584500L	TRANSISTOR	
	Q5441	B1CFNG000001	TRANSISTOR	
	Q5451	2SC584500L	TRANSISTOR	
	Q5452	2SC584500L	TRANSISTOR	
	Q5453	2SD0601A0L	TRANSISTOR	
	Q5461	B1ADCE000022	TRANSISTOR	
	Q5471	2SC584500L	TRANSISTOR	
	Q5600	B1MBDDA00003	TRANSISTOR	
	Q5601	B1MBDDA00003	TRANSISTOR	
	Q5602	B1MBDDA00003	TRANSISTOR	
	Q7801	B1CHAA000001	TRANSISTOR	
	Q7802	B1CFRD000047	TRANSISTOR	
	Q7806	2SC584500L	TRANSISTOR	
	Q7807	2SB14340SA	TRANSISTOR	
	Q7808	2SC584500L	TRANSISTOR	
	Q7809	2SB14340SA	TRANSISTOR	
	Q7810	2SC584500L	TRANSISTOR	
	Q800	2SA10180QA	TRANSISTOR	
	Q846	2SD0601A0L	TRANSISTOR	
	Q880	2SD0601A0L	TRANSISTOR	
		RESISTORS		
	R0180	ERJ2GEJ101X	RESISTOR	
	R0900	ERJ2GEJ680X	RESISTOR	
	R0901	EXB28V680JX	RESISTOR	
	R0902	ERJ2GEJ103X	FIXED RESISTOR	
	R0905	ERJ2GEJ103X	FIXED RESISTOR	
	R0906	ERJ2GEJ103X	FIXED RESISTOR	
	R0907	ERJ2GEJ103X	FIXED RESISTOR	
	R0911	ERJ2GEJ220X	FIXED RESISTOR	
	R0912	ERJ2GEJ220X	FIXED RESISTOR	
	R0913	ERJ2GEJ220X	FIXED RESISTOR	
	R0914	ERJ2GEJ220X	FIXED RESISTOR	
	R0915	ERJ2GEJ472X	RESISTOR	
	R0916	ERJ2GEJ472X	RESISTOR	
	R0917	ERJ2GEJ220X	FIXED RESISTOR	
	R0918	ERJ2GEJ220X	FIXED RESISTOR	
	R0919	ERJ2GEJ220X	FIXED RESISTOR	
	R0920	ERJ2GEJ220X	FIXED RESISTOR	
	R0921	ERJ2GEJ220X	FIXED RESISTOR	
	R0922	ERJ2GEJ220X	FIXED RESISTOR	
	R0923	ERJ2GEJ682X	RESISTOR	
	R0924	ERJ2GEJ682X	RESISTOR	
	R0925	ERJ2GEJ220X	FIXED RESISTOR	
	R0926	ERJ2GEJ220X	FIXED RESISTOR	
	R0929	ERJ2GEJ220X	FIXED RESISTOR	
	R0930	ERJ2GEJ220X	FIXED RESISTOR	
	R0933	ERJ2GE0R00X	FIXED RESISTOR	
	R0934	ERJ2GE0R00X	FIXED RESISTOR	
	R0945	ERJ2GEJ220X	FIXED RESISTOR	
	R0946	ERJ2GEJ220X	FIXED RESISTOR	
	R0947	ERJ2GEJ680X	RESISTOR	
	R0948	ERJ2GEJ680X	RESISTOR	
	R0949	ERJ2GEJ680X	RESISTOR	
	R0950	ERJ2GEJ680X	RESISTOR	
	R0951	ERJ2GEJ680X	RESISTOR	
	R0952	ERJ2GEJ680X	RESISTOR	
	R0953	ERJ2GEJ680X	RESISTOR	
	R0954	ERJ2GEJ680X	RESISTOR	
	R0955	ERJ2GEJ472X	RESISTOR	
	R0956	ERJ2GEJ472X	RESISTOR	
	R0957	ERJ2GEJ472X	RESISTOR	
	R0958	ERJ2GEJ472X	RESISTOR	
	R0959	ERJ2GEJ472X	RESISTOR	
	R0960	ERJ2GEJ472X	RESISTOR	
	R0961	ERJ2GEJ472X	RESISTOR	
	R0962	ERJ2GEJ472X	RESISTOR	
	R1100	ERJ2GEJ101X	RESISTOR	
	R1101	ERJ2GEJ101X	RESISTOR	
	R1102	ERJ2GEJ101X	RESISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R1103	ERJ2GEJ330X	RESISTOR	
	R1105	ERJ2GEJ101X	RESISTOR	
	R1106	ERJ2GEJ101X	RESISTOR	
	R1107	ERJ2GEJ101X	RESISTOR	
	R1108	ERJ2GEJ101X	RESISTOR	
	R1109	ERJ2GEJ101X	RESISTOR	
	R1146	ERJ2GEJ102X	FIXED RESISTOR	
	R1153	ERJ2GEJ471X	RESISTOR	
	R1163	ERJ2GEJ105X	FIXED RESISTOR	
	R1173	ERJ2GEJ331X	RESISTOR	
	R1179	ERJ2GE0R00X	FIXED RESISTOR	
	R1181	ERJ2GE0R00X	FIXED RESISTOR	
	R1182	ERJ2GEJ273X	RESISTOR	
	R1197	ERJ2GE0R00X	FIXED RESISTOR	
	R1200	ERJ2GE0R00X	FIXED RESISTOR	
	R1203	ERJ2GEJ473X	FIXED RESISTOR	
	R1209	ERJ2GEJ472X	RESISTOR	
	R1221	D1BB7151A055	CHIP RESISTOR	
	R1224	ERJ2GEJ103X	FIXED RESISTOR	
	R1225	ERJ2GEJ103X	FIXED RESISTOR	
	R1236	ERJ2GEJ473X	FIXED RESISTOR	
	R1237	ERJ2GEJ102X	FIXED RESISTOR	
	R1243	ERJ2GEJ473X	FIXED RESISTOR	
	R1255	ERJ2GEJ102X	FIXED RESISTOR	
	R1400	ERJ2GEJ103X	FIXED RESISTOR	
	R1401	ERJ2GEJ104X	FIXED RESISTOR	
	R1402	ERJ2GEJ683X	RESISTOR	
	R1403	ERJ2GEJ333X	RESISTOR	
	R1404	ERJ2GEJ683X	RESISTOR	
	R1405	ERJ2GEJ223X	RESISTOR	
	R1406	ERJ2GEJ683X	RESISTOR	
	R1407	ERJ2GEJ473X	FIXED RESISTOR	
	R1409	ERJ2GEJ473X	FIXED RESISTOR	
	R1410	ERJ2GEJ103X	FIXED RESISTOR	
	R1411	ERJ2GEJ104X	FIXED RESISTOR	
	R1422	ERJ2GEJ182X	RESISTOR	
	R2002	ERJ2GEJ102X	FIXED RESISTOR	
	R2003	ERJ2GEJ105X	FIXED RESISTOR	
	R2006	ERJ2GEJ471X	RESISTOR	
	R2007	ERJ2GEJ221X	RESISTOR	
	R2008	ERJ2GEJ471X	RESISTOR	
	R2015	ERJ2GEJ103X	FIXED RESISTOR	
	R2016	ERJ2GEJ103X	FIXED RESISTOR	
	R2017	ERJ2GEJ103X	FIXED RESISTOR	
	R2018	ERJ2GEJ103X	FIXED RESISTOR	
	R2019	D1BB2002A055	CHIP RESISTOR	
	R2020	D1BB2001A055	CHIP RESISTOR	
	R2023	ERJ2GEJ103X	FIXED RESISTOR	
	R2032	ERJ2GE0R00X	FIXED RESISTOR	
	R2047	D1BB2802A055	CHIP RESISTOR	
	R2048	D1BB2802A055	CHIP RESISTOR	
	R2050	D1BB2802A055	CHIP RESISTOR	
	R2051	D1BB2802A055	CHIP RESISTOR	
	R2063	ERJ2GE0R00X	FIXED RESISTOR	
	R2064	ERJ2GE0R00X	FIXED RESISTOR	
	R2092	ERJ2GEJ103X	FIXED RESISTOR	
	R2093	ERJ2GEJ103X	FIXED RESISTOR	
	R2110	ERJ2GEJ101X	RESISTOR	
	R2111	ERJ2GEJ101X	RESISTOR	
	R2114	ERJ2GEJ222X	RESISTOR	
	R2115	ERJ2GEJ222X	RESISTOR	
	R2118	ERJ2GEJ471X	RESISTOR	
	R2119	ERJ2GEJ105X	FIXED RESISTOR	
	R2120	ERJ2GEJ473X	FIXED RESISTOR	
	R2121	ERJ8GEYJ3R3	RESISTOR	
	R2122	ERJ2GEJ102X	FIXED RESISTOR	
	R2123	ERJ8GEYJ3R3	RESISTOR	
	R2124	ERJ2GEJ103X	FIXED RESISTOR	
	R2125	ERJ8GEYJ3R3	RESISTOR	
	R2127	ERJ8GEYJ3R3	RESISTOR	
	R2129	ERJ2GEJ100X	RESISTOR	
	R2132	ERJ2GEJ471X	RESISTOR	
	R2137	ERJ2GEJ100X	RESISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R2141	ERJ2GEJ102X	FIXED RESISTOR	
	R2142	ERJ2GEJ222X	RESISTOR	
	R2172	ERJ2GEJ680X	RESISTOR	
	R2190	ERJ2GEJ472X	RESISTOR	
	R2316	EXB28V220JX	RESISTOR	
	R2325	ERJ2GE0R00X	FIXED RESISTOR	
	R2500	ERJ2RKF3000X	RESISTOR	
	R2502	D0GA473JA015	CHIP RESISTOR	
	R2504	D0GA223JA015	CHIP RESISTOR	
	R2507	D0GA473JA015	CHIP RESISTOR	
	R2508	D0GA103JA015	CHIP RESISTOR	
	R2509	ERJ2RKF1101X	CHIP RESISTOR	
	R2512	D0GA470JA015	CHIP RESISTOR	
	R2514	ERJ2RKF1802X	RESISTOR	
	R2515	ERJ2RKF4702X	RESISTOR	
	R2516	D0GA473JA015	CHIP RESISTOR	
	R2517	D0GA104JA015	CHIP RESISTOR	
	R2518	D0GA103JA015	CHIP RESISTOR	
	R2600	ERJ6GEY0R00	M 00HM, J, 1/10W	
	R2601	D1BD1741A044	CHIP RESISTOR	
	R2602	D1BD7151A044	CHIP RESISTOR	
	R2603	D1BD6651A044	CHIP RESISTOR	
	R2604	D1BD1432A044	CHIP RESISTOR	
	R2751	D0GDR00Z0002	CHIP RESISTOR	
	R2752	D0GDR00Z0002	CHIP RESISTOR	
	R2755	ERJ2GEJ473X	FIXED RESISTOR	
	R2756	ERJ2GEJ101X	RESISTOR	
	R2759	ERJ2GEJ101X	RESISTOR	
	R2760	ERJ2GEJ101X	RESISTOR	
	R2761	ERJ2GEJ101X	RESISTOR	
	R2762	ERJ2GEJ222X	RESISTOR	
	R2763	ERJ2GEJ473X	FIXED RESISTOR	
	R2764	ERJ2GEJ473X	FIXED RESISTOR	
	R2765	D0GDR00Z0002	CHIP RESISTOR	
	R2766	J0JYC0000065	COIL	
	R2767	ERJ6GEY0R00	M 00HM, J, 1/10W	
	R2774	ERJ2GEJ473X	FIXED RESISTOR	
	R2901	D0GB103JA041	CHIP RESISTOR	
	R2903	D0GBR00Z0002	CHIP RESISTOR	
	R2905	ERJ2GE0R00X	FIXED RESISTOR	
	R2909	ERJ2GE0R00X	FIXED RESISTOR	
	R2915	ERJ2GEJ221X	RESISTOR	
	R2918	ERJ2GEJ101X	RESISTOR	
	R2926	D0GB103JA041	CHIP RESISTOR	
	R2927	ERJ2GE0R00X	FIXED RESISTOR	
	R2930	ERJ2GEJ153X	RESISTOR	
	R2931	D0GBR00Z0002	CHIP RESISTOR	
	R2940	ERJ2GE0R00X	FIXED RESISTOR	
	R2943	ERJ2GE0R00X	FIXED RESISTOR	
	R2944	ERJ2GE0R00X	FIXED RESISTOR	
	R3000	ERJ2GEJ473X	FIXED RESISTOR	
	R3001	ERJ2GEJ473X	FIXED RESISTOR	
	R3004	ERJ2GEJ223X	RESISTOR	
	R3005	ERJ2GEJ223X	RESISTOR	
	R3019	ERJ2GEJ101X	RESISTOR	
	R3021	ERJ2GEJ101X	RESISTOR	
	R3024	ERJ2GEJ104X	FIXED RESISTOR	
	R3025	ERJ2GEJ104X	FIXED RESISTOR	
	R3031	ERJ2GEJ103X	FIXED RESISTOR	
	R3033	ERJ2GEJ221X	RESISTOR	
	R3034	ERJ2GEJ221X	RESISTOR	
	R3047	ERJ2GEJ221X	RESISTOR	
	R3048	ERJ2GEJ221X	RESISTOR	
	R3049	ERJ2GEJ221X	RESISTOR	
	R3050	ERJ2GEJ221X	RESISTOR	
	R3075	D1BD75R0A044	RESISTOR	
	R3076	D1BD75R0A044	RESISTOR	
	R3078	ERJ6ENF75R0	M 75OHM, 1/10W	
	R3094	ERJ2GE0R00X	FIXED RESISTOR	
	R3097	D1BD75R0A044	RESISTOR	
	R3103	ERJ2GEJ472X	RESISTOR	
	R3112	ERJ2GE0R00X	FIXED RESISTOR	
	R3113	ERJ2GE0R00X	FIXED RESISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R3120	ERJ2GEJ331X	RESISTOR	
	R3125	ERJ2GEJ221X	RESISTOR	
	R3128	ERJ2GEJ221X	RESISTOR	
	R3138	ERJ2GEJ820X	RESISTOR	
	R3139	ERJ2GEJ820X	RESISTOR	
	R3140	ERJ2GEJ820X	RESISTOR	
	R3146	ERJ2GEJ331X	RESISTOR	
	R3151	ERJ2GEJ220X	FIXED RESISTOR	
	R3152	ERJ2GEJ220X	FIXED RESISTOR	
	R3167	ERJ6ENF75R0	M 75OHM, 1/10W	
	R3169	ERJ2GEJ104X	FIXED RESISTOR	
	R3182	ERJ2GE0R00X	FIXED RESISTOR	
	R3188	D1BD75R0A044	RESISTOR	
	R3189	ERJ2GEJ680X	RESISTOR	
	R3190	ERJ2GEJ680X	RESISTOR	
	R3191	ERJ2GEJ680X	RESISTOR	
	R3199	ERJ2GE0R00X	FIXED RESISTOR	
	R3218	ERJ2GE0R00X	FIXED RESISTOR	
	R3222	ERJ2GE0R00X	FIXED RESISTOR	
	R3223	ERJ2GEJ680X	RESISTOR	
	R3224	ERJ2GE0R00X	FIXED RESISTOR	
	R3225	ERJ2GEJ680X	RESISTOR	
	R3226	ERJ2GEJ472X	RESISTOR	
	R3227	ERJ2GEJ472X	RESISTOR	
	R3230	ERJ6ENF75R0	M 75OHM, 1/10W	
	R3231	ERJ2GE0R00X	FIXED RESISTOR	
	R3232	ERJ6ENF75R0	M 75OHM, 1/10W	
	R3233	ERJ2GE0R00X	FIXED RESISTOR	
	R3234	ERJ6ENF75R0	M 75OHM, 1/10W	
	R3235	ERJ2GE0R00X	FIXED RESISTOR	
	R3236	ERJ2GEJ680X	RESISTOR	
	R3237	ERJ2GEJ680X	RESISTOR	
	R3240	ERJ2GEJ221X	RESISTOR	
	R3251	ERJ2GEJ104X	FIXED RESISTOR	
	R3252	ERJ2GEJ104X	FIXED RESISTOR	
	R3255	ERJ6GEY0R00	M 00HM, J, 1/10W	
	R3285	ERJ2GE0R00X	FIXED RESISTOR	
	R3286	ERJ2GE0R00X	FIXED RESISTOR	
	R3287	ERJ2GEJ473X	FIXED RESISTOR	
	R3288	ERJ2GEJ473X	FIXED RESISTOR	
	R3289	ERJ2GEJ220X	FIXED RESISTOR	
	R4277	ERJ2GEJ103X	FIXED RESISTOR	
	R4284	ERJ2GEJ103X	FIXED RESISTOR	
	R4285	ERJ2GEJ103X	FIXED RESISTOR	
	R4286	ERJ2GEJ103X	FIXED RESISTOR	
	R4305	ERJ2GEJ473X	FIXED RESISTOR	
	R4306	ERJ2GEJ473X	FIXED RESISTOR	
	R4309	ERJ2GEJ103X	FIXED RESISTOR	
	R4310	ERJ2GEJ102X	FIXED RESISTOR	
	R4311	ERJ2GEJ473X	FIXED RESISTOR	
	R4312	ERJ2GEJ302X	RESISTOR	
	R4315	ERJ2GEJ102X	FIXED RESISTOR	
	R4316	ERJ2GEJ102X	FIXED RESISTOR	
	R4317	ERJ2GEJ103X	FIXED RESISTOR	
	R4318	ERJ2GEJ103X	FIXED RESISTOR	
	R4319	ERJ2GEJ473X	FIXED RESISTOR	
	R4320	ERJ2GEJ103X	FIXED RESISTOR	
	R4323	ERJ2GEJ473X	FIXED RESISTOR	
	R4325	ERJ3EKF5111	M5.11KOHM, F, 1/16W	
	R4327	ERJ2GEJ302X	RESISTOR	
	R4330	ERJ2GEJ100X	RESISTOR	
	R4358	ERJ2GE0R00X	FIXED RESISTOR	
	R4363	ERJ2GEJ103X	FIXED RESISTOR	
	R4368	ERJ2GEJ103X	FIXED RESISTOR	
	R4500	ERJ2GEJ103X	FIXED RESISTOR	
	R4501	ERJ2GEJ103X	FIXED RESISTOR	
	R4502	ERJ2GEJ330X	RESISTOR	
	R4503	ERJ2GEJ330X	RESISTOR	
	R4504	ERJ2GEJ102X	FIXED RESISTOR	
	R4505	ERJ2GEJ102X	FIXED RESISTOR	
	R4506	ERJ2GEJ473X	FIXED RESISTOR	
	R4507	ERJ2GEJ473X	FIXED RESISTOR	
	R4524	ERJ2GEJ103X	FIXED RESISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R4525	ERJ2GEJ103X	FIXED RESISTOR	
	R4528	ERJ2GEJ103X	FIXED RESISTOR	
	R4529	ERJ2GEJ103X	FIXED RESISTOR	
	R4530	ERJ2GEJ103X	FIXED RESISTOR	
	R4531	ERJ2GEJ103X	FIXED RESISTOR	
	R4532	ERJ2GEJ473X	FIXED RESISTOR	
	R4533	ERJ2GEJ473X	FIXED RESISTOR	
	R4534	ERJ2GEJ473X	FIXED RESISTOR	
	R4538	ERJ2GEJ473X	FIXED RESISTOR	
	R4539	ERJ2GE0R00X	FIXED RESISTOR	
	R4540	ERJ2GEJ473X	FIXED RESISTOR	
	R4541	ERJ2GE0R00X	FIXED RESISTOR	
	R4542	ERJ2GE0R00X	FIXED RESISTOR	
	R4543	ERJ2GE0R00X	FIXED RESISTOR	
	R4546	ERJ2GEJ473X	FIXED RESISTOR	
	R4552	ERJ2GEJ220X	FIXED RESISTOR	
	R4587	D1BB60400001	CHIP RESISTOR	
	R4588	D1BB8060A055	CHIP RESISTOR	
	R4589	D1BB8060A055	CHIP RESISTOR	
	R4592	D1BB8060A055	CHIP RESISTOR	
	R4593	D1BB2201A055	CHIP RESISTOR	
	R4596	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
	R4597	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
	R4598	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
	R4601	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
	R4604	ERJ2GE0R00X	FIXED RESISTOR	
	R4607	ERJ2GE0R00X	FIXED RESISTOR	
	R4609	ERJ2GEJ122X	RESISTOR	
	R4613	ERJ2GE0R00X	FIXED RESISTOR	
	R4614	ERJ2GE0R00X	FIXED RESISTOR	
	R4615	ERJ2GE0R00X	FIXED RESISTOR	
	R4616	ERJ2GE0R00X	FIXED RESISTOR	
	R4620	ERJ2GEJ473X	FIXED RESISTOR	
	R4623	ERJ2GE0R00X	FIXED RESISTOR	
	R4624	ERJ2GEJ103X	FIXED RESISTOR	
	R4626	D1BB2200A055	CHIP RESISTOR	
	R4627	D1BB2200A055	CHIP RESISTOR	
	R4631	D1BB4990A055	CHIP RESISTOR	
	R4634	D1BB2200A055	CHIP RESISTOR	
	R4635	EXB28V680JX	RESISTOR	
	R4636	ERJ2GEJ680X	RESISTOR	
	R4637	ERJ2GEJ473X	FIXED RESISTOR	
	R4638	ERJ2GEJ680X	RESISTOR	
	R4639	EXB28V680JX	RESISTOR	
	R4640	EXB28V680JX	RESISTOR	
	R4641	ERJ2GEJ473X	FIXED RESISTOR	
	R4642	ERJ2GEJ473X	FIXED RESISTOR	
	R4645	ERJ2GEJ680X	RESISTOR	
	R4646	ERJ2GEJ680X	RESISTOR	
	R4648	EXB28V330JX	RESISTOR	
	R4649	EXB28V680JX	RESISTOR	
	R4650	ERJ2GEJ680X	RESISTOR	
	R4651	ERJ2GEJ680X	RESISTOR	
	R4652	ERJ2GEJ473X	FIXED RESISTOR	
	R4656	ERJ2GEJ222X	RESISTOR	
	R4665	ERJ2GEJ473X	FIXED RESISTOR	
	R4666	ERJ2GEJ473X	FIXED RESISTOR	
	R4672	ERJ2GEJ473X	FIXED RESISTOR	
	R4674	ERJ2GEJ103X	FIXED RESISTOR	
	R4677	ERJ2GEJ103X	FIXED RESISTOR	
	R4678	EXB28V680JX	RESISTOR	
	R4679	EXB28V680JX	RESISTOR	
	R4698	ERJ2GEJ104X	FIXED RESISTOR	
	R4699	ERJ2GEJ104X	FIXED RESISTOR	
	R4700	ERJ2GEJ473X	FIXED RESISTOR	
	R4707	ERJ2GEJ473X	FIXED RESISTOR	
	R4736	ERJ2GEJ473X	FIXED RESISTOR	
	R4742	ERJ2GE0R00X	FIXED RESISTOR	
	R4743	ERJ2GE0R00X	FIXED RESISTOR	
	R4799	EXB28V680JX	RESISTOR	
	R5408	ERJ2GEJ473X	FIXED RESISTOR	
	R5409	ERJ2GEJ103X	FIXED RESISTOR	
	R5410	ERJ2GEJ103X	FIXED RESISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R5411	ERJ2RKF5361X	RESISTOR	
	R5412	ERJ2RKF1501X	CHIP RESISTOR	
	R5414	ERJ2RKF6342X	RESISTOR	
	R5415	ERJ2RKF1002X	CHIP RESISTOR	
	R5418	ERJ6GEY0R00	M 00HM, J, 1/10W	
	R5419	ERJ6GEY0R00	M 00HM, J, 1/10W	
	R5420	ERJ2GEJ103X	FIXED RESISTOR	
	R5421	ERJ2GEJ103X	FIXED RESISTOR	
	R5422	ERJ2GEJ473X	FIXED RESISTOR	
	R5423	ERJ2GEJ563X	RESISTOR	
	R5424	ERJ2GEJ223X	RESISTOR	
	R5425	ERJ2GEJ103X	FIXED RESISTOR	
	R5441	ERJ6ENF8202	M 82KOHM, 1/10W	
	R5442	D1BD1602A044	CHIP RESISTOR	
	R5443	ERJ6GEY0R00	M 00HM, J, 1/10W	
	R5449	ERJ2GE0R00X	FIXED RESISTOR	
	R5451	ERJ6GEYJ471	M 470OHM, J, 1/10W	
	R5452	ERJ6GEY0R00	M 00HM, J, 1/10W	
	R5453	ERJ3EKF2871	M 2.87KOHM, F, 1/16W	
	R5454	ERJ3EKF2702	M 27KOHM, F, 1/16W	
	R5455	ERJ2GEJ103X	FIXED RESISTOR	
	R5456	ERJ2GEJ103X	FIXED RESISTOR	
	R5457	ERJ2GEJ473X	FIXED RESISTOR	
	R5458	ERJ2GEJ104X	FIXED RESISTOR	
	R5459	ERJ2GEJ104X	FIXED RESISTOR	
	R5461	ERJ2GEJ473X	FIXED RESISTOR	
	R5462	ERJ2GEJ274X	RESISTOR	
	R5463	ERJ2GEJ105X	FIXED RESISTOR	
	R5469	ERJ2GEJ203X	CHIP RESISTOR	
	R5470	ERJ2GEJ222X	RESISTOR	
	R5471	ERJ2GE0R00X	FIXED RESISTOR	
	R5472	ERJ2GEJ103X	FIXED RESISTOR	
	R5473	ERJ2GE0R00X	FIXED RESISTOR	
	R5474	ERJ2GE0R00X	FIXED RESISTOR	
	R5475	ERJ2GEJ103X	FIXED RESISTOR	
	R5476	ERJ2GEJ153X	RESISTOR	
	R5477	ERJ2GEJ103X	FIXED RESISTOR	
	R5478	ERJ2GEJ473X	FIXED RESISTOR	
	R5479	ERJ2GE0R00X	FIXED RESISTOR	
	R5480	ERJ2GEJ473X	FIXED RESISTOR	
	R5481	ERJ2GEJ101X	RESISTOR	
	R5482	ERJ2GEJ470X	RESISTOR	
	R5483	ERJ2GEJ563X	RESISTOR	
	R5484	ERJ2GEJ203X	CHIP RESISTOR	
	R5485	ERJ2GEJ101X	RESISTOR	
	R5486	ERJ2GEJ103X	FIXED RESISTOR	
	R5487	ERJ2GEJ473X	FIXED RESISTOR	
	R5488	ERJ2GEJ183X	FIXED RESISTOR	
	R5489	ERJ2GEJ333X	RESISTOR	
	R5490	ERJ2GEJ472X	RESISTOR	
	R5491	ERJ6GEYJ331	M 330OHM, J, 1/10W	
	R5492	ERJ2GEJ680X	RESISTOR	
	R5493	ERJ2GEJ223X	RESISTOR	
	R5494	ERJ2GEJ683X	RESISTOR	
	R5495	ERJ2GEJ103X	FIXED RESISTOR	
	R5496	ERJ2GEJ473X	FIXED RESISTOR	
	R5497	ERJ2GEJ473X	FIXED RESISTOR	
	R5498	ERJ2GE0R00X	FIXED RESISTOR	
	R5499	ERJ2GEJ102X	FIXED RESISTOR	
	R5603	D1BB2402A055	CHIP RESISTOR	
	R5604	D1BB4752A055	CHIP RESISTOR	
	R5605	D1BB2702A055	CHIP RESISTOR	
	R5610	ERJ2GEJ5R6X	FIXED RESISTOR	
	R5620	ERJ2GEJ680X	RESISTOR	
	R5629	D1BB2702A055	CHIP RESISTOR	
	R5630	D1BB2402A055	CHIP RESISTOR	
	R5631	D1BB5102A055	CHIP RESISTOR	
	R5632	D1BB3002A055	CHIP RESISTOR	
	R5633	D1BB1602A055	CHIP RESISTOR	
	R5634	D1BB2002A055	CHIP RESISTOR	
	R5635	ERJ2GEJ5R6X	FIXED RESISTOR	
	R7801	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
	R7802	ERJ8GEYJ330	FIXED RESISTOR	

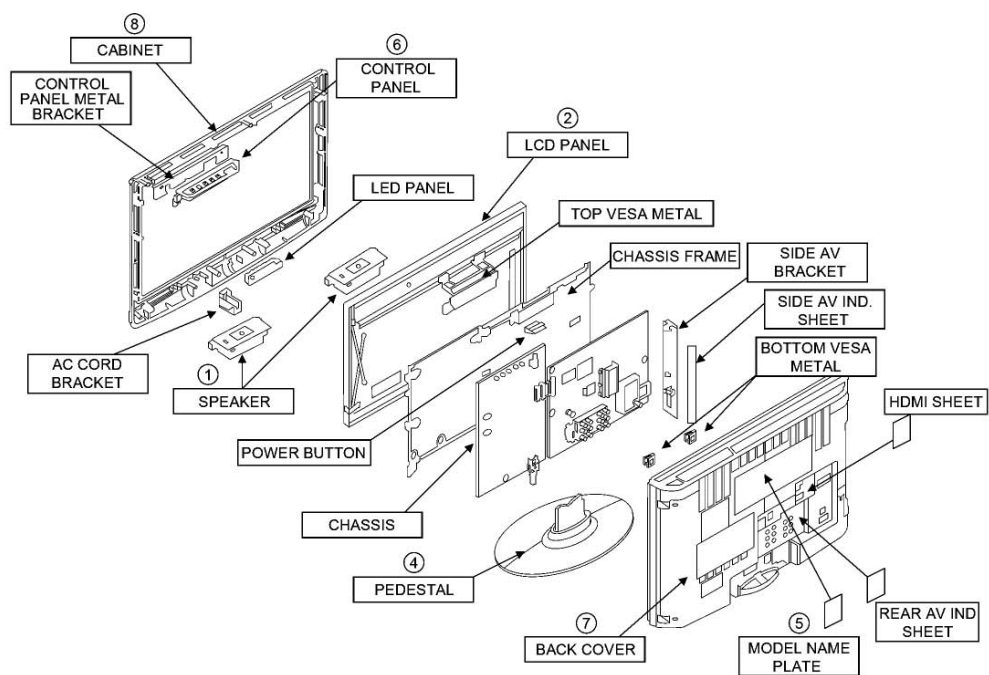
Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R7803	ERJ8GEYJ121	FIXED RESISTOR	
	R7804	ERJ8GEYJ101	M 100OHM, J, 1/8W	
	R7805	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
	R7806	ERJ8GEYJ271	M 270OHM, J, 1/8W	
	R7807	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
	R7808	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
	R7809	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
	R7810	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
	R7811	ERJ6GEYJ1R0	M 10HM, J, 1/10W	
	R7813	ERJ6GEYJ183	M 18KOHM, J, 1/10W	
	R7814	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
	R7815	ERDS2TJ103	C 10KOHM, J, 1/4W	
	R7816	ERJ6GEYJ105	M 1MOHM, J, 1/10W	
	R7817	ERJ6GEYJ101	M 100OHM, J, 1/10W	
	R7819	ERDS2TJ473	C 47KOHM, J, 1/4W	
	R7821	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
	R7822	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
	R7823	ERJ6GEYJ474	M 470KOHM, J, 1/10W	
	R7824	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
	R7826	ERJS030R00	FIXED RESISTOR	
	R7827	ERJ6ENF1003	M 100KOHM, 1/10W	
	R7828	ERJ6ENF3902	M 39KOHM, 1/10W	
	R7831	ERJ6GEYJ334	M 330KOHM, J, 1/10W	
	R7832	ERJ6GEYJ105	M 1MOHM, J, 1/10W	
	R7833	ERDS2TJ101	C 100OHM, J, 1/4W	
	R7834	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
	R7835	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
	R7836	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
	R7837	ERJ6GEYJ154	M 150KOHM, J, 1/10W	
	R7838	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
	R7841	ERDS2TJ473	C 47KOHM, J, 1/4W	
	R7842	ERJ6GEYJ474	M 470KOHM, J, 1/10W	
	R7843	ERDS2TJ473	C 47KOHM, J, 1/4W	
	R7844	ERJ6GEYJ333	M 33KOHM, J, 1/10W	
	R7845	ERJ6GEYJ273	M 27KOHM, J, 1/10W	
	R7846	ERJ6GEYJ333	M 33KOHM, J, 1/10W	
	R7847	ERJ6GEYJ274	M 270KOHM, J, 1/10W	
	R7848	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	
	R7849	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	
	R7851	ERJ8ENF8201	FIXED RESISTOR	
	R7852	ERJ8ENF1201	FIXED RESISTOR	
	R7853	ERJ8ENF8201	FIXED RESISTOR	
	R7854	ERJ8ENF1201	FIXED RESISTOR	
	R8001	ERJ2GEJ221X	RESISTOR	
	R8002	ERJ2GEJ560X	RESISTOR	
	R8004	D1BB2402A055	CHIP RESISTOR	
	R8005	D1BB1002A055	CHIP RESISTOR	
	R8006	D1BB6801A055	CHIP RESISTOR	
⚠	R801	ERC12ZGK225D	SOLID RESISTOR	
	R802	ERJ6GEYJ1R0	M 10HM, J, 1/10W	
	R8023	ERJ2GE0R00X	FIXED RESISTOR	
	R8024	ERJ2GE0R00X	FIXED RESISTOR	
	R8025	ERJ2GE0R00X	FIXED RESISTOR	
	R8026	ERJ2GE0R00X	FIXED RESISTOR	
	R8027	ERJ2GE0R00X	FIXED RESISTOR	
	R8028	ERJ2GE0R00X	FIXED RESISTOR	
	R8029	ERJ2GE0R00X	FIXED RESISTOR	
	R803	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
	R8030	ERJ2GEJ101X	RESISTOR	
	R8031	D1BB2700A055	CHIP RESISTOR	
	R8032	D1BB2700A055	CHIP RESISTOR	
	R8035	ERJ2GE0R00X	FIXED RESISTOR	
	R8036	DOGBR00Z0002	CHIP RESISTOR	
	R8039	ERJ2GE0R00X	FIXED RESISTOR	
	R804	ERDS1TJ123	RESISTOR	
	R805	ERDS2T0T	C 00HM, 1/4W	
	R8056	ERJ2GEJ470X	RESISTOR	
	R8057	ERJ2GEJ470X	RESISTOR	
	R8058	ERJ2GEJ470X	RESISTOR	
	R8059	ERJ2GEJ470X	RESISTOR	
	R8060	ERJ2GEJ470X	RESISTOR	
	R8061	ERJ2GEJ470X	RESISTOR	
	R8062	ERJ2GEJ470X	RESISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R8063	ERJ2GEJ470X	RESISTOR	
	R8064	ERJ2GEJ470X	RESISTOR	
	R8065	ERJ2GEJ470X	RESISTOR	
	R8066	ERJ2GEJ470X	RESISTOR	
	R8067	ERJ2GEJ470X	RESISTOR	
	R8068	ERJ2GEJ470X	RESISTOR	
	R8069	ERJ2GEJ470X	RESISTOR	
	R807	D0GD122JA017	FIXED RESISTOR	
	R8070	ERJ2GEJ470X	RESISTOR	
	R8071	ERJ2GEJ470X	RESISTOR	
	R8072	ERJ2GEJ470X	RESISTOR	
	R8073	ERJ2GEJ470X	RESISTOR	
	R8074	ERJ2GEJ221X	RESISTOR	
	R8075	ERJ2GEJ470X	RESISTOR	
	R8076	ERJ2GEJ470X	RESISTOR	
	R8077	ERJ2GEJ470X	RESISTOR	
	R8078	ERJ2GEJ470X	RESISTOR	
	R8079	ERJ2GE0R00X	FIXED RESISTOR	
	R8080	ERJ2GE0R00X	FIXED RESISTOR	
	R8081	ERJ2GEJ103X	FIXED RESISTOR	
	R8082	ERJ2RKF75R0X	RESISTOR	
	R8083	ERJ2GEJ301X	RESISTOR	
	R8084	ERJ2GE0R00X	FIXED RESISTOR	
	R8086	ERJ2GEJ104X	FIXED RESISTOR	
	R8087	ERJ2GEJ103X	FIXED RESISTOR	
	R8090	ERJ2GEJ103X	FIXED RESISTOR	
	R8091	ERJ2GEJ101X	RESISTOR	
	R8093	ERJ2GEJ470X	RESISTOR	
	R8095	ERJ2GEJ103X	FIXED RESISTOR	
	R8097	ERJ2GEJ221X	RESISTOR	
	R8098	ERJ2GEJ103X	FIXED RESISTOR	
	R8099	ERJ2GEJ103X	FIXED RESISTOR	
	R8100	ERJ2GEJ470X	RESISTOR	
	R8101	ERJ2GEJ103X	FIXED RESISTOR	
	R8106	ERJ2GEJ202X	RESISTOR	
	R8107	ERJ2GEJ101X	RESISTOR	
	R8108	ERJ2GEJ223X	RESISTOR	
	R811	ERG2SJS473H	RESISTOR	
	R812	ERG3FJ220H	M 220HM, J, 3W	
	R816	ERG1SJS820P	METAL OXIDE RESISTOR	
	R817	ERX12SJR47V	M 0.470HM, J, 1/2W	
	R818	ERX12SJR47V	M 0.470HM, J, 1/2W	
	R821	D0AW825JA001	CARBON FILM RESISTOR	
	R837	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	
	R8412	ERJ2GEJ103X	FIXED RESISTOR	
	R8471	ERJ2GEJ103X	FIXED RESISTOR	
	R8472	EXB2HV103JV	RESISTOR	
	R8474	EXB28V103JV	RESISTOR	
	R8475	EXB28V103JX	RESISTOR	
	R8501	ERJ2GEJ101X	RESISTOR	
	R8502	ERJ2GEJ331X	RESISTOR	
	R8503	ERJ2GEJ331X	RESISTOR	
	R8504	ERJ2GEJ331X	RESISTOR	
	R8506	ERJ2GEJ331X	RESISTOR	
	R8508	D1BB91R0A055	CHIP RESISTOR	
	R8509	D1BB91R0A055	CHIP RESISTOR	
	R8510	D1BB91R0A055	CHIP RESISTOR	
	R8556	ERJ2GEJ103X	FIXED RESISTOR	
	R8564	ERJ2GEJ103X	FIXED RESISTOR	
	R8566	ERJ2GE0R00X	FIXED RESISTOR	
	R858	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
	R8603	ERJ2GEJ472X	RESISTOR	
	R8605	ERJ2GEJ680X	RESISTOR	
	R861	ERJ6GEYJ331	M 330OHM, J, 1/10W	
	R8610	ERJ2GEJ680X	RESISTOR	
	R8611	ERJ2GEJ680X	RESISTOR	
	R8612	ERJ2GEJ680X	RESISTOR	
	R8613	ERJ2GEJ680X	RESISTOR	
	R8614	ERJ2GEJ680X	RESISTOR	
	R8615	ERJ2GEJ680X	RESISTOR	
	R8616	ERJ2GEJ680X	RESISTOR	
	R8617	ERJ2GEJ680X	RESISTOR	
	R862	ERJ6GEYJ102	M 1KOHM, J, 1/10W	

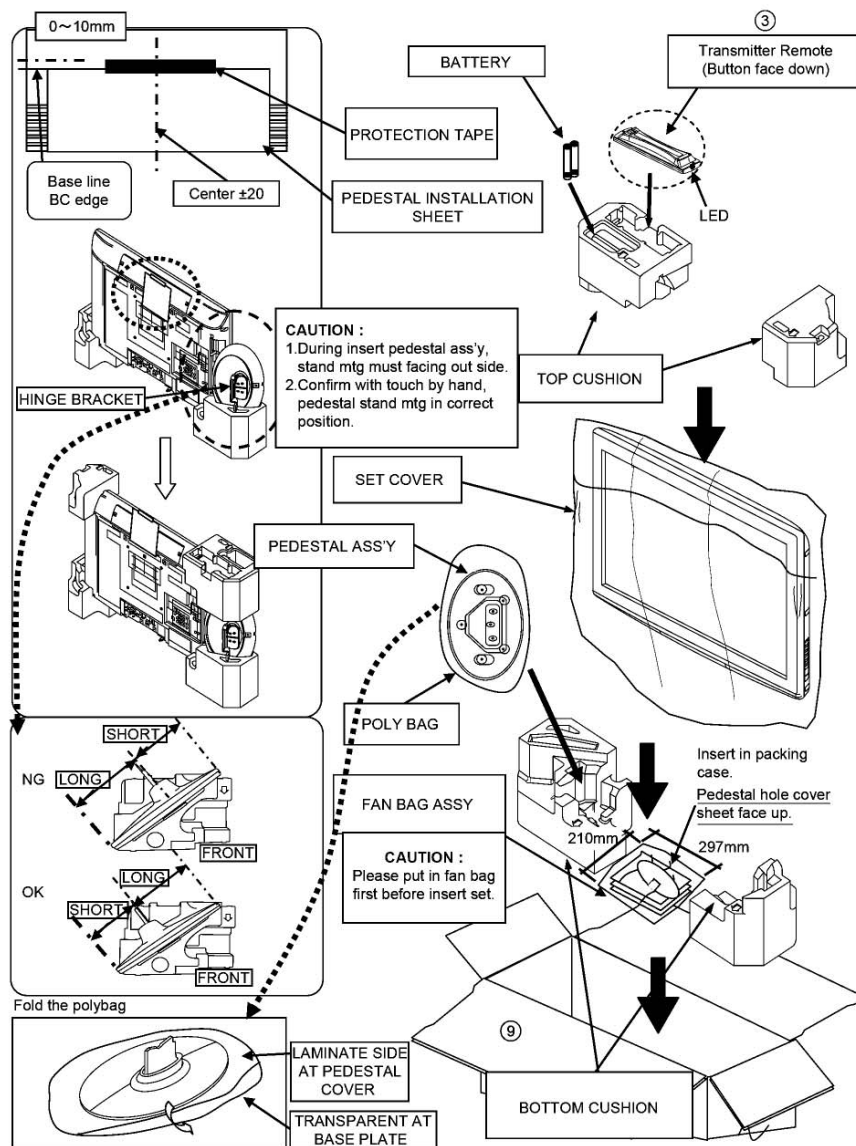
Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R863	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
	R864	ERJ6ENF4700	M 470OHM, 1/10W	
	R865	ERJ6ENF6491	M6.49KOHM, 1/10W	
	R8657	ERJ2GEJ103X	FIXED RESISTOR	
	R8658	ERJ2GEJ220X	FIXED RESISTOR	
	R866	ERJ6ENF4701	M 4.7KOHM, 1/10W	
	R8660	ERJ2GE0R00X	FIXED RESISTOR	
	R8674	EXB2HV103JV	RESISTOR	
	R8683	ERJ2GEJ680X	RESISTOR	
	R8703	ERJ2GEJ680X	RESISTOR	
	R8710	ERJ2GEJ680X	RESISTOR	
	R8711	ERJ2GEJ103X	FIXED RESISTOR	
	R8712	ERJ2GEJ103X	FIXED RESISTOR	
	R8751	ERJ2GEJ103X	FIXED RESISTOR	
	R876	ERJ3EKF1302	M 13KOHM, F, 1/16W	
	R877	ERJ3EKF1151	FIXED RESISTOR	
	R878	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
	R879	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
	R880	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
	R8802	ERJ2GEJ680X	RESISTOR	
	R8803	ERJ2GEJ680X	RESISTOR	
	R8804	ERJ2GEJ680X	RESISTOR	
	R8805	ERJ2GEJ680X	RESISTOR	
	R8806	ERJ2GEJ680X	RESISTOR	
	R8807	ERJ2GEJ680X	RESISTOR	
	R8808	ERJ2GEJ680X	RESISTOR	
	R881	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
	R8855	ERJ2GEJ680X	RESISTOR	
	R8856	ERJ2GEJ680X	RESISTOR	
	R8857	ERJ2GEJ680X	RESISTOR	
	R8858	ERJ2GEJ680X	RESISTOR	
	R8859	ERJ2GEJ680X	RESISTOR	
	R8860	ERJ2GEJ680X	RESISTOR	
	R8861	ERJ2GEJ103X	FIXED RESISTOR	
	R8862	ERJ2GEJ680X	RESISTOR	
	R8863	ERJ2GEJ680X	RESISTOR	
	R8864	ERJ2GEJ680X	RESISTOR	
	R8865	EXB2HV680JV	RESISTOR	
	R8866	EXB2HV680JV	RESISTOR	
	R8867	EXB2HV680JV	RESISTOR	
	R8868	ERJ2GEJ680X	RESISTOR	
	R8871	ERJ2GEJ103X	FIXED RESISTOR	
	R8873	ERJ2GEJ103X	FIXED RESISTOR	
	R8875	ERJ2GEJ103X	FIXED RESISTOR	
	R8877	ERJ2GEJ680X	RESISTOR	
	R8878	ERJ2GEJ680X	RESISTOR	
	R8879	ERJ2GEJ680X	RESISTOR	
	R8880	ERJ2GEJ680X	RESISTOR	
	R8882	ERJ2GEJ680X	RESISTOR	
	R8883	ERJ2GEJ680X	RESISTOR	
	R8884	ERJ2GEJ680X	RESISTOR	
	R8885	ERJ2GEJ680X	RESISTOR	
	R8886	ERJ2GEJ680X	RESISTOR	
	R8887	ERJ2GEJ680X	RESISTOR	
	R8888	ERJ2GEJ680X	RESISTOR	
	R8889	ERJ2GEJ680X	RESISTOR	
	R8891	ERJ2GEJ680X	RESISTOR	
	R8892	ERJ2GEJ680X	RESISTOR	
	R8894	ERJ2GEJ680X	RESISTOR	
	R8896	ERJ2GE0R00X	FIXED RESISTOR	
	R8898	ERJ2GEJ103X	FIXED RESISTOR	
	R8900	ERJ2GEJ680X	RESISTOR	
	R8901	ERJ2GEJ680X	RESISTOR	
	R8904	ERJ2GEJ103X	FIXED RESISTOR	
	R8905	ERJ2GEJ103X	FIXED RESISTOR	
	R8906	ERJ2GEJ103X	FIXED RESISTOR	
	R8907	ERJ2GEJ103X	FIXED RESISTOR	
	R8908	ERJ2GEJ103X	FIXED RESISTOR	
	R8909	ERJ2GEJ103X	FIXED RESISTOR	
	R8910	ERJ2GEJ103X	FIXED RESISTOR	
	R8927	ERJ2GE0R00X	FIXED RESISTOR	
	R8935	ERJ2GEJ103X	FIXED RESISTOR	
	R8947	ERJ2GEJ680X	RESISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R8952	EXB2HV680JV	RESISTOR	
	R8953	EXB2HV680JV	RESISTOR	
	R8954	ERJ2GEJ680X	RESISTOR	
	R8957	ERJ2GEJ103X	FIXED RESISTOR	
	R8958	ERJ2GEJ103X	FIXED RESISTOR	
	R8959	ERJ2GEJ680X	RESISTOR	
	R8960	ERJ2GEJ680X	RESISTOR	
	R8963	ERJ2GEJ103X	FIXED RESISTOR	
		TRANSFORMERS		
⚠	T7801	ETJV15ZF23AC	TRANSFORMER	
⚠	T7802	ETJV15ZF23AC	TRANSFORMER	
⚠	T801	G4DYZ0000048	SWITCHING TRANSFORMER	
		OTHERS		
	A03	K1KY23AA0607	CONNECTOR	
	A10	K1KA08B00270	CONNECTOR	
	A11	K1KY30B00015	CONNECTOR	
	A12	K1KA04AA0190	CONNECTOR	
	A20	K1KA05A00466	CONNECTOR	
	CF801	D4CAY8R0A010	COIL	
	CN0100	K1KA08AA0714	CONNECTOR	
⚠	F801	K5D502BNA005	FUSE	
	FL4201	EXC28CE201U	CHOKE COIL	
	FL4202	EXC28CE201U	CHOKE COIL	
	FL4203	EXC28CE201U	CHOKE COIL	
	JK3001	K1FY315A0004	CONNECTOR	
	JK3100A	K2HA9YYA0003	AV TERMINAL	
	JK3251	K2HC103E0011	AV TERMINAL	
	JK4500	K1FY119D0006	CONNECTOR	
	JK4501	K1FY119D0006	CONNECTOR	
	JK8302	K1NA09E00080	CARD READER	
	JS1001	ERJ2GE0R00X	FIXED RESISTOR	
	JS1014	ERJ2GE0R00X	FIXED RESISTOR	
	L8501	J0JHC0000045	COIL	
	L8551	J0JHC0000075	BEAD COIL	
	L871	TALL08T100KA	INDUCTION COIL	
	L876	G0A101ZA0038	COIL	
⚠	LF801	G0B103H00009	CHOKE COIL	
	P1	K1KA02B00295	CONNECTOR	
	P2	K1KA23A00005	CONNECTOR	
	P4	K1KA05AA0193	CONNECTOR	
	P6	K1KY02B00008	CONNECTOR	
	P7	K1KY02B00008	CONNECTOR	
	PA4201	ERBSE2R50U	FUSE	
	PA5420	ERBSE5R00U	FUSE	
	PA5451	ERBSE5R00U	FUSE	
	PA5601	ERBSE2R50U	FUSE	
⚠	PC816	B3PAA0000363	PHOTO COUPLER	
⚠	RM2500	B3RAD0000168	PHOTO DETECTOR	
⚠	SN2500	B3JB00000046	PHOTO DETECTOR	
	SW2500	EVQ11G05R	SWITCH	
	SW2501	EVQ11G05R	SWITCH	
	SW2502	EVQ11G05R	SWITCH	
	SW2503	EVQ11G05R	SWITCH	
	SW2504	EVQ11G05R	SWITCH	
⚠	SW901	K0F162B00002	PUSH SWITCH	
⚠	TU2901A	ENG39E04GRF	TUNER	
	V10	K1KA07B00135	CONNECTOR	
	X1100	H0J100500035	CRYSTAL OSC	
	X2010	H0J245500089	CRYSTAL OSC	
	X8001	H0J270500120	CRYSTAL OSC	
	ZA7050	K4AD01A00002	CONNECTOR	
	ZA7051	K4AD01A00002	CONNECTOR	
	ZA7052	K4AD01A00002	CONNECTOR	



Model No. : TX-LR19X10 Parts Location



Model No. : TX-LR19X10 Packing Exploded View



Model No. : TX-LR19X10 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		K2CQ2YY00049	AC POWER CORD		
	1	L0AA08B00004	SPEAKER		
	2	L5EDD4Q00007	LCD PANEL		
	3	N2QAYB000399	REMOTE CONTROL		
	4	TBL4GA0021	PEDESTAL ASSY		
	5	TBM4GC361	MODEL NAME PLATE		
		TBM4GU042	SIDE AV INDI. SHEET		
	6	TBX4GA01301	CONTROL PANEL		
		TBX4GA01401	POWER BUTTON		
		TKK4GC5019	LED PANEL		
		TKP4GA03601	CONTROL PANEL BRACKET		
		TKP4GA03701	SIDE AV BRACKET		
		TKX4GA02101	SPEAKER BRACKET		
		TMX4GX002	AC CORD BRACKET		
	NLA	TZT/A10PLR	A BOARD		
	NLA	TNP4G457AA	P BOARD		
	NLA	TNPA4834BH	V BOARD		
		TPD4GA0114	TOP CUSHION		
		TPD4GA0115	BOTTOM CUSHION		
		TQZ4GB216-1	FAN BAG ASSSY		
	7	TTU4GA0263	BACK COVER ASSY		
	8	TTY4GA0099	CABINET ASSY		
	9	TXFPC010PLR	PACKING CASE ASSY		
		TXJA190PWN	LVDS CABLE		