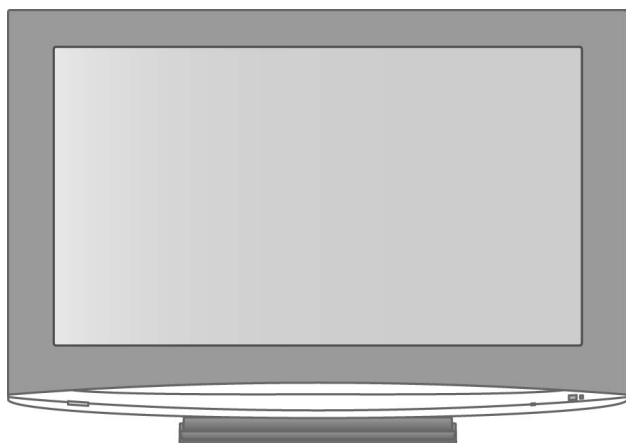


Service Manual

LCD TV



TX-32LX800M- MALAYSIA

LH76 Chassis

Specifications

Power Source :	AC 110-240 V, 50/60 Hz
Power Consumption	
Average Use	151 W
Standby condition	0.3 W
Display panel	
Aspect Ratio	16:9
Visible screen size	698 mm (W) × 393 mm (H)
(No. of pixels)	1,049,088 (1,366 (W) × 768 (H))
Sound	
Speaker	160 mm × 42 mm × 2 pcs, 8 Ω
Audio Output	20 W (10 W + 10 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	Reception of broadcast transmission and playback from video cassette tape recorders.
2	PAL I	
3	PAL D, K	
4	SECAM B, G	
5	SECAM D, K	
6	SECAM K1	
7	NTSC M (NTSC 3.58 / 4.5 MHz)	

8	NTSC 4.43 / 5.5 MHz	Playback from special VCR's or DVD.
9	NTSC 4.43 / 6.0 MHz	
10	NTSC 4.43 / 6.5 MHz	
11	NTSC 3.58 / 5.5 MHz	
12	NTSC 3.58 / 6.0 MHz	
13	NTSC 3.58 / 6.5 MHz	Playback from Special Disc Players and Special VCR's or DVD.
14	SECAM I	
15	PAL 60 Hz / 5.5 MHz	
16	PAL 60 Hz / 6.0 MHz	
17	PAL 60 Hz / 6.5 MHz	

Aerial - Rear	VHF / UHF
Operation Conditions	Temperature : 0°C - 40°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)
	COMPONENT	Y P _B / C _B , P _R / C _R	1.0 V[p-p] (including synchronization) ±0.35 V[p-p]
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 P _B / C _B , P _R / C _R	1.0 V[p-p] (including synchronization) ±0.35 V[p-p]
AV3 Input	AUDIO L-R	RCA PIN Type × 2	0.5 V[rms]
	VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 Ω)
	S VIDEO	Mini DIN 4-pin	Y: 1.0 V[p-p] (75 Ω) C: 0.286 V[p-p] (75 Ω)
AV4 Input	AUDIO L-R	RCA PIN Type × 2	0.5 V[rms]
	VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 Ω)
	S VIDEO	Mini DIN 4-pin	Y: 1.0 V[p-p] (75 Ω) C: 0.286 V[p-p] (75 Ω)
Others	HDMI 1/2 Input	TYPE A Connectors	● This TV supports "HDAVI Control 3" 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[rms] (high impedance)
	Card Slot	SD CARD slot × 1	
Monitor Output	AUDIO L-R	RCA PIN Type × 2	0.5 V[rms] (high impedance)
	VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75Ω)
Dimensions (W × H × D)		821 mm × 580 mm × 225 mm (With TV Stand)	
		821 mm × 539 mm × 98 mm (TV only)	
Mass		17.5 kg (Net)	

Design and specifications are subject to change without notice. Mass 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.

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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.

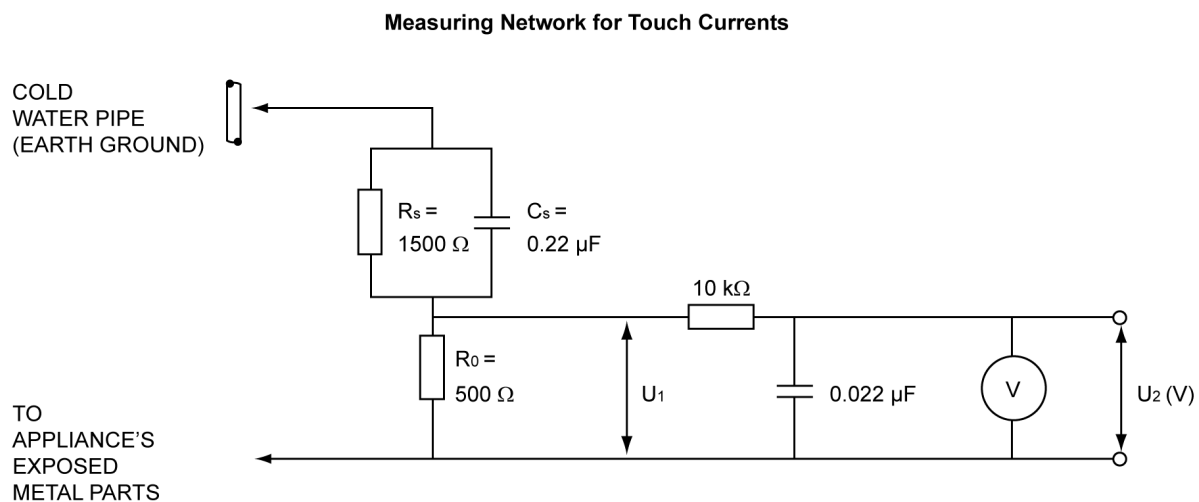


Figure 1

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).

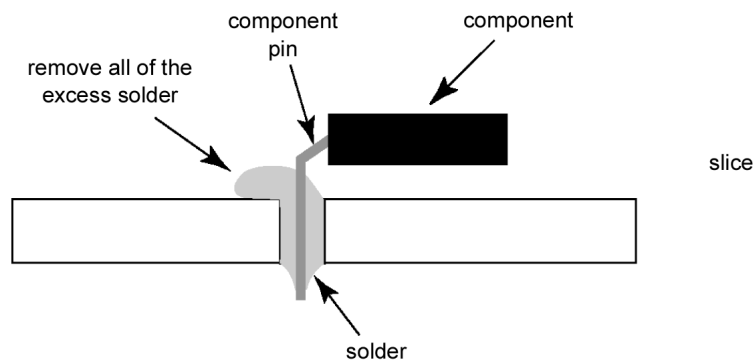


Figure 2

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.

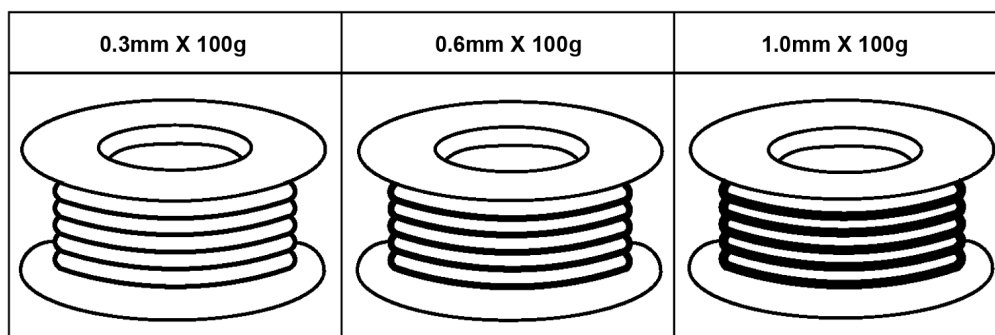


Figure 3

4 Self Check Function

4.1. Self Check

1. Self Check is used to automatically check the bus lines and hexadecimal codes of the TV set.
2. To get into the Self Check mode, press the "DOWN" button on the customer's controls at the front of the set, at the same time pressing the "MENU" button on the remote control. The screen that will show is represented by Figure 4.
3. Press both "OFF TIMER" button on the remote control and "DOWN" key button on the control panel.

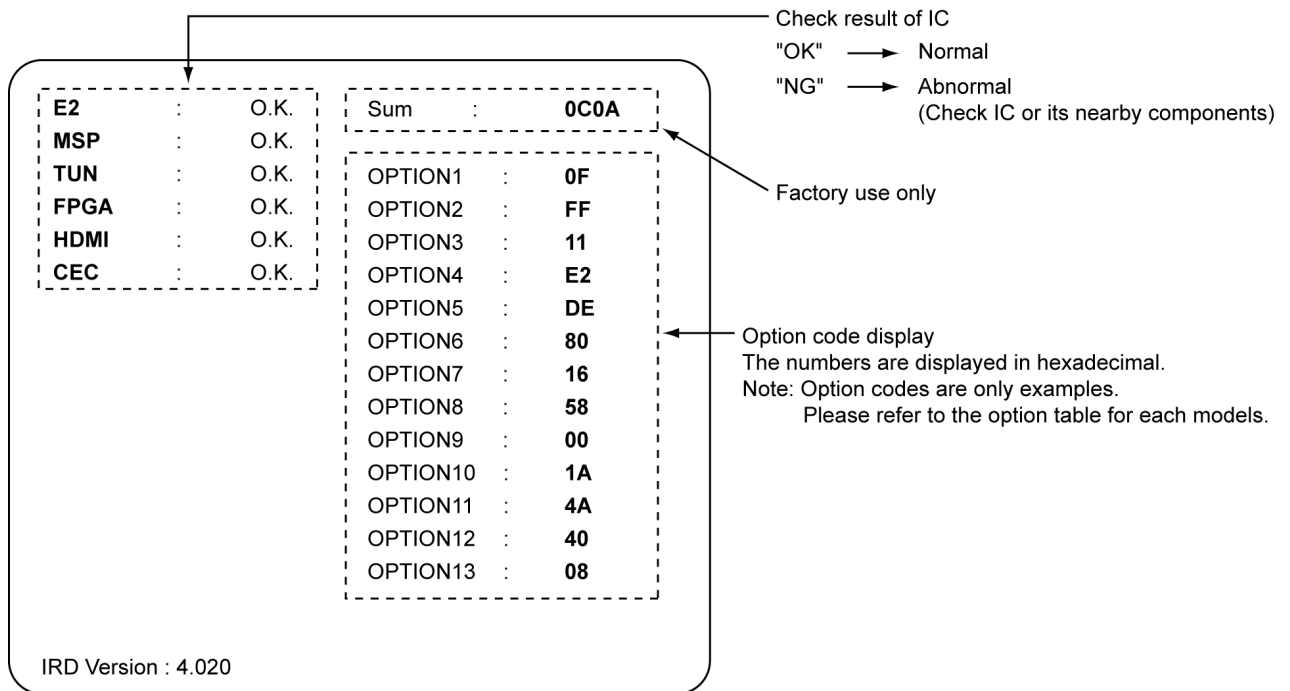


Figure 4

4.2. Power LED Blinking Timing Chart

1. Subject

Information of LED blinking timing chart.

2. Contents

When an abnormality has occurred in the unit, the protection circuit operates and resets to standby mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

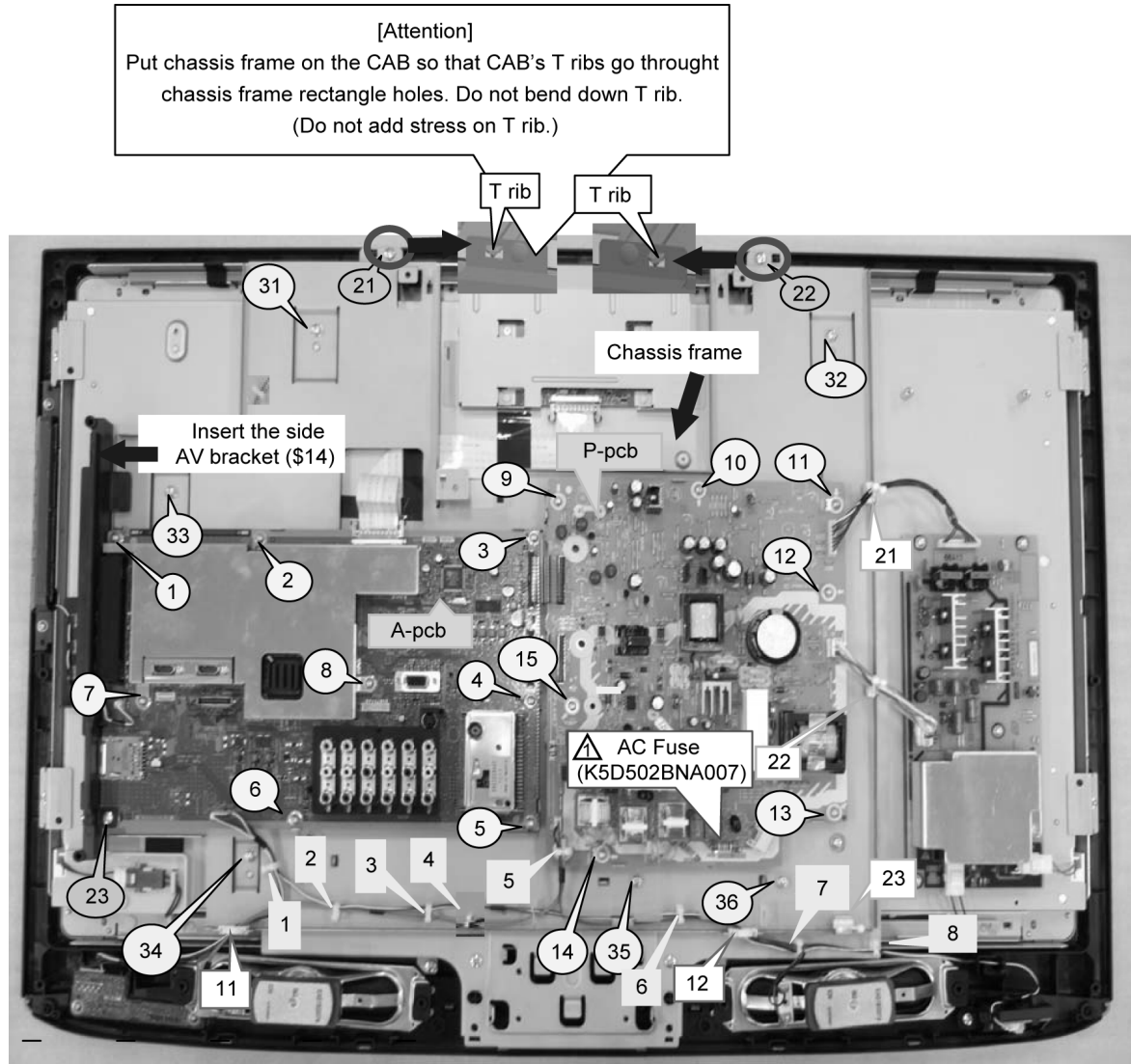
No. of blinks	Blinking timing	Contents	Check point
1		Inverter SOS (24 V line Inverter in LCD panel)	POWER UNIT LCD PANEL
3		SOS BT 30 V/ SOUND 18 V/ PANEL 12 V/	AP-BOARD H-BOARD
4		Sub 9 V	AP-BOARD
5		Sub 5 V	AP-BOARD
6		Main 9 V	AP-BOARD
8		Main 3.3 V	AP-BOARD

5 Chassis Board

5.1. Chassis Installation

1. Put the chassis frame on the LCD and fix it with screws (No. 21~22, 31~36).
2. Put the A-pcb, P-pcb on the chassis frame and fix them with screws (No. 1~15).
3. Insert the clampers to the chassis frame.
4. Insert the side AV bracket from the side position of the A-pcb and fix it with a screw (No. 23).

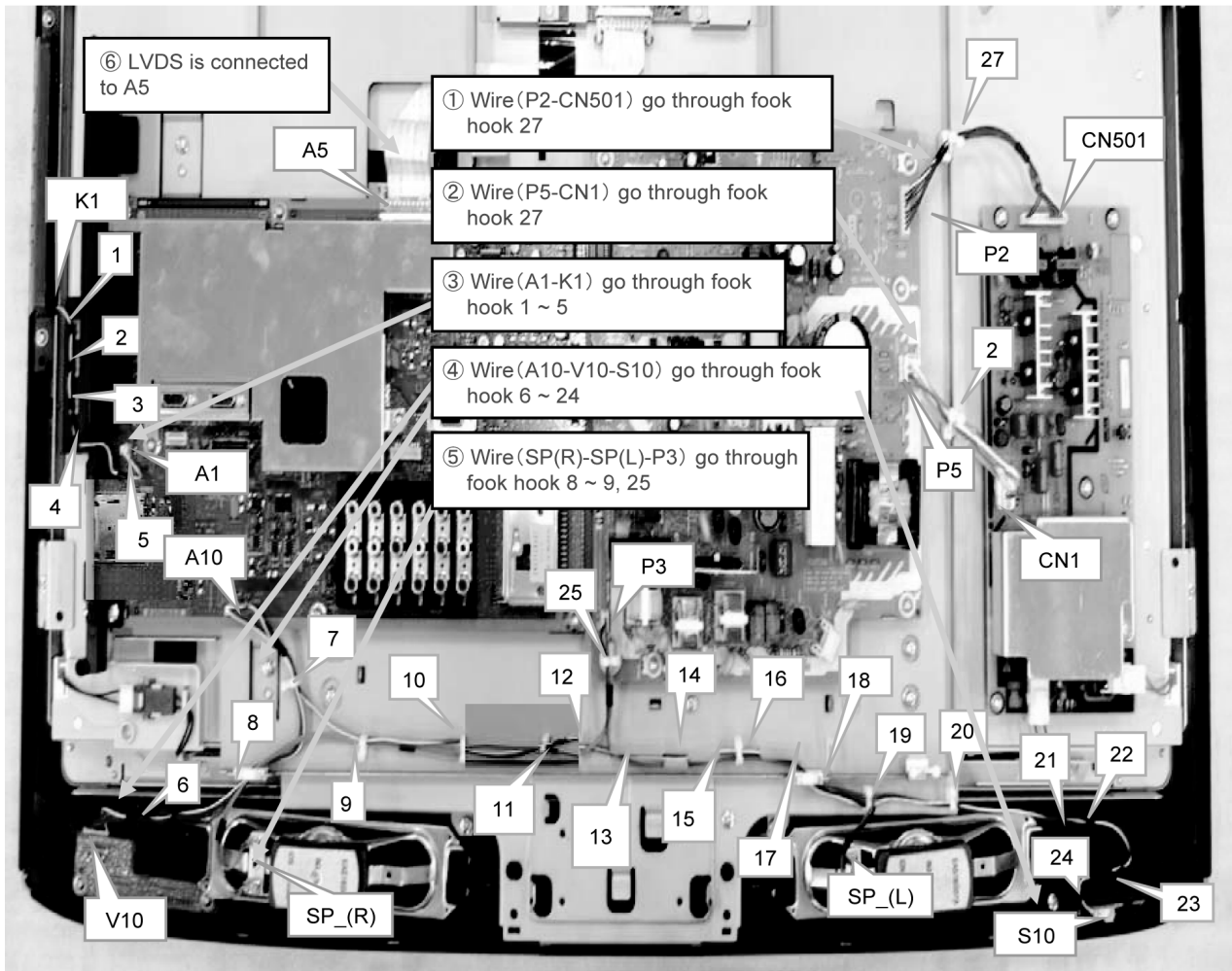
Refer to the parts list to confirm the PCB No.



6 Location of Lead Wiring

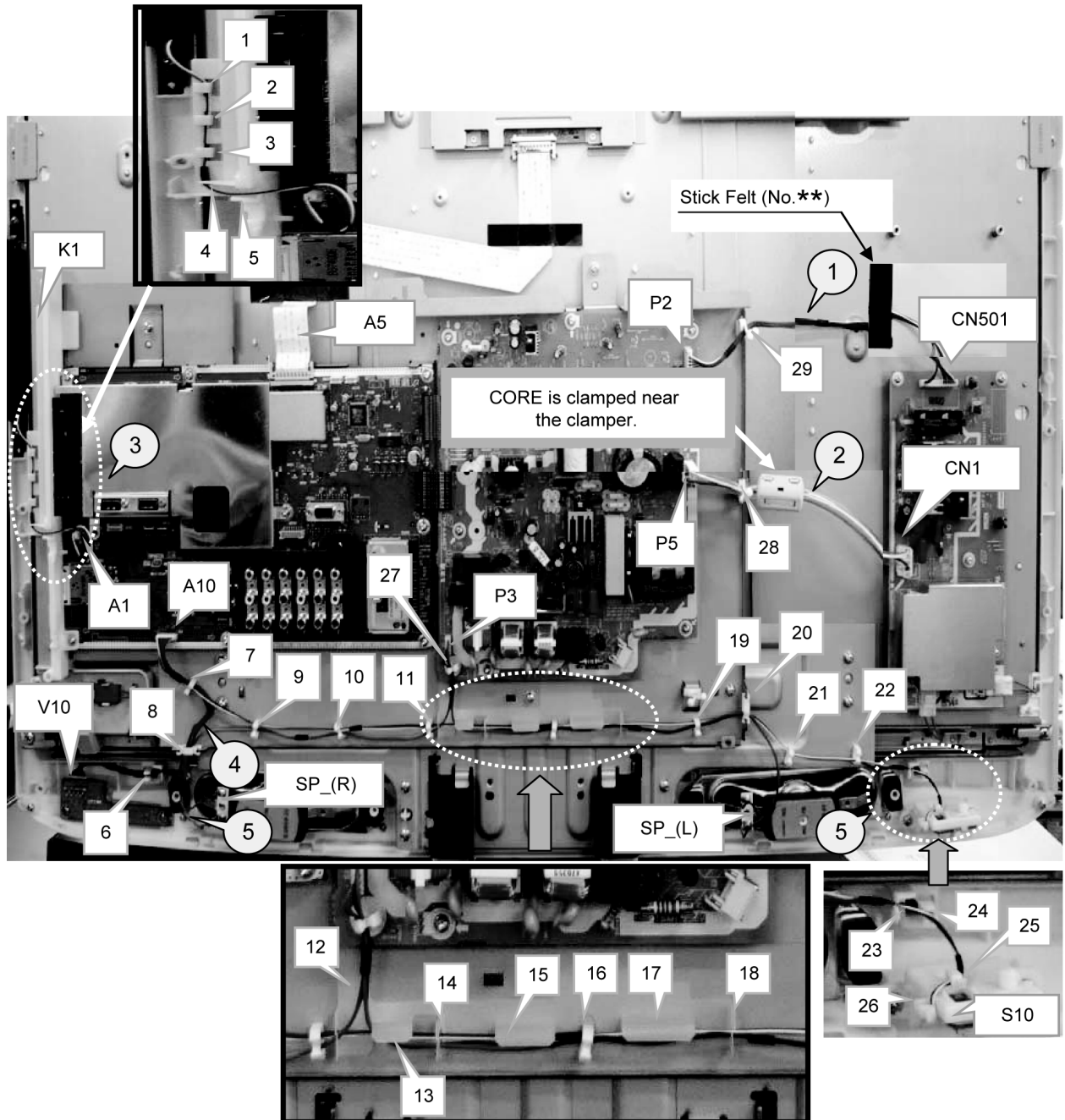
6.1. Wire Dressing

ASSEMBLY ORDER : ①⇒②⇒③⇒④⇒⑤⇒⑥ Refer to 6.2 to confirm the wire No.



ASSEMBLY ORDER : ①⇒②⇒③⇒④⇒⑤⇒⑥⇒⑦ Refer to 6.2 to confirm the clamber part No.

1. Wire (P2-CN501) < No. 29 >.
2. Wire (P5-CN1) < No. 28 >.
3. Wire (A1-K1) < No. 1~5 >.
4. Wire (A10-V10-S10) < No. 6~26 >.
5. Wire (SP(R)-SP(L)-P3) < No. 8~20, 27 >.



6.2. Wire Dressing and Connections

	CONNECTION	1	2	3	4	5	6	7	8	9	10	11				
1	CN 2 ~ P 2	●	●													
2	A 2 ~ P 4			●												
3	A 1 ~ P 3			●												
4	CN 2 ~ A 6				●											
5	G 1 ~ A 4				●	●										
6	G 2 ~ A 5				●	●										
7	V 1 ~ A 7							●								
8	A 12 ~ SPEAKER (L)								●	●	●	●				
9	A 12 ~ SPEAKER (R)					●	●									
10	P 1 ~ SW 2									●	●					

< CAUTION POINT 1 - CONNECTING >
 GIVE ATTENTION WHEN CONNECTING
 THE CONNECTOR SO IT WILL NOT
 COME OFF.



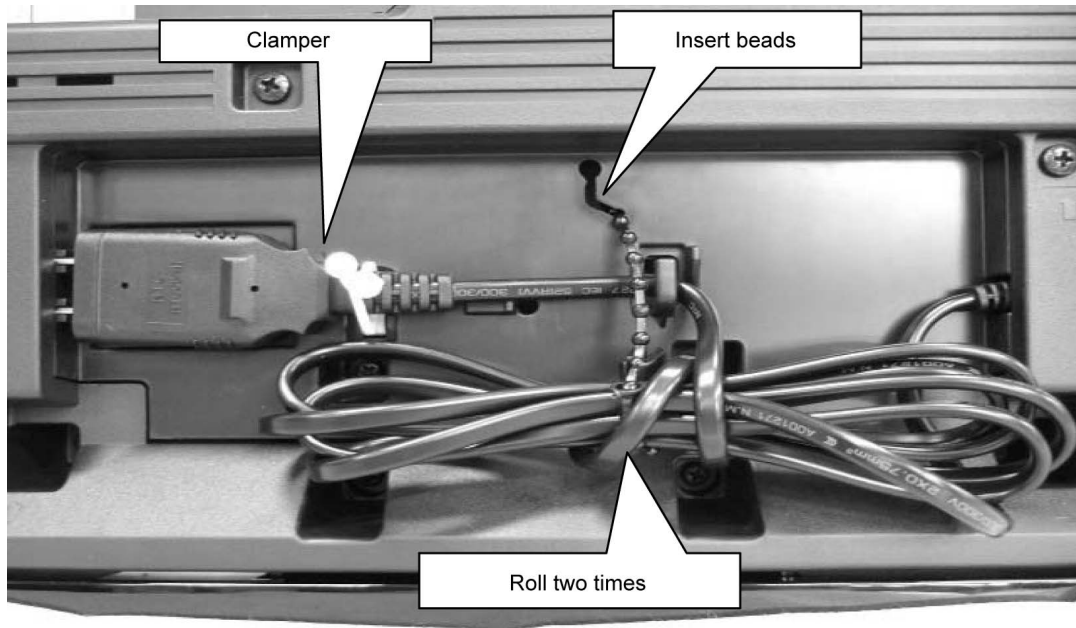
(NG)



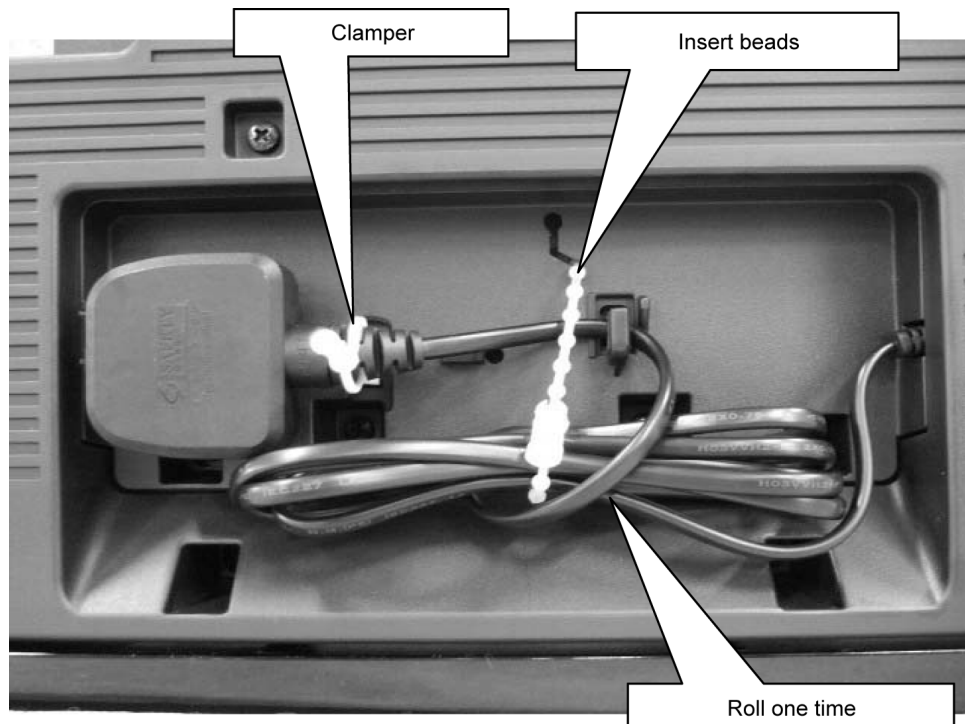
(OK)

7 Disassembly for Service

7.1. AC Code dressing for 2-Pin



7.2. AC Code dressing for 3-Pin



7.3. Chassis Rail Installation

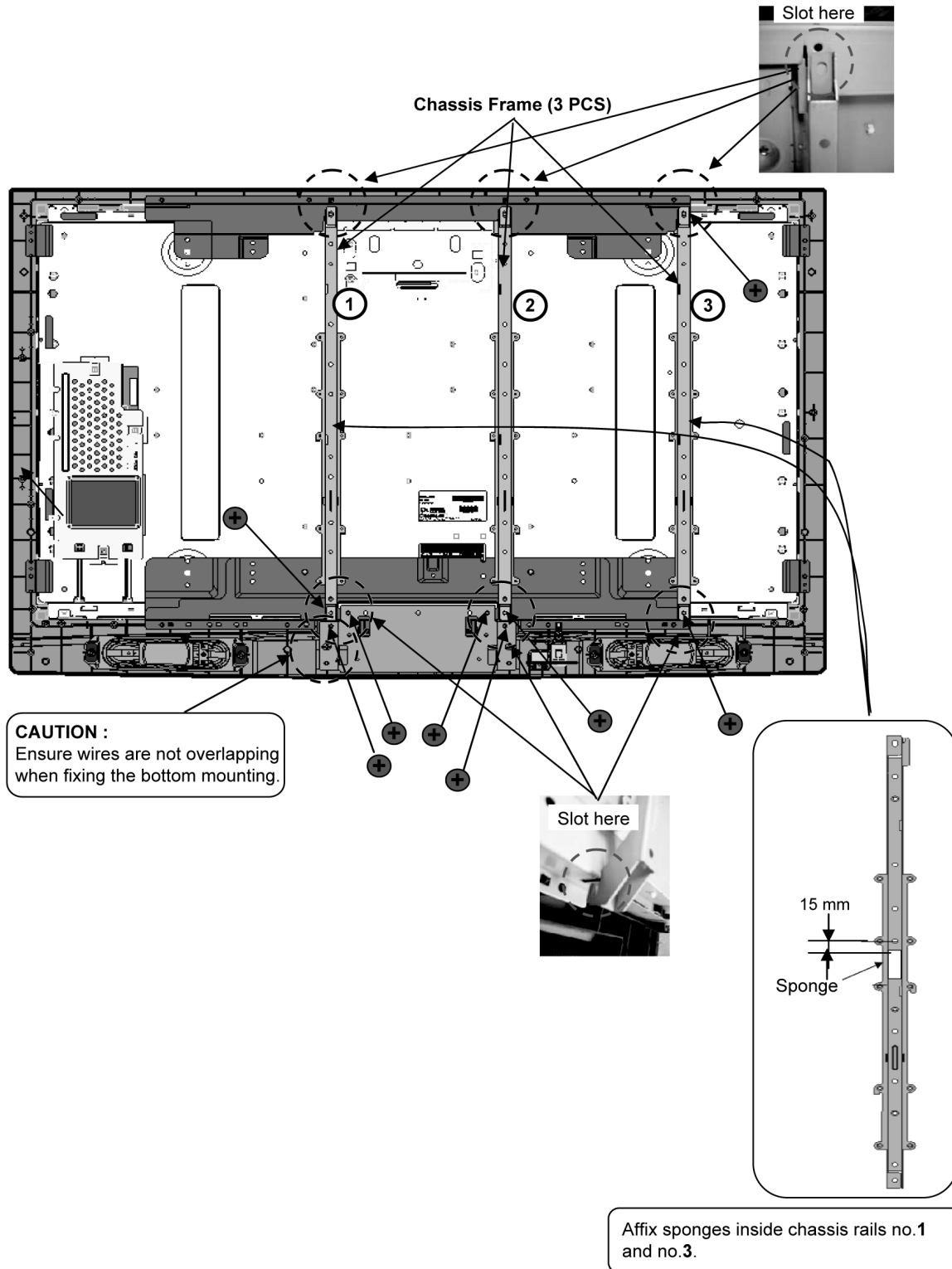
1. Put on the bottom mounting and fix with 4 screws.

Tightening torque should be 100 N cm - 130 N cm (10 kgf cm to 13 kgf cm).

2. Stick sponges at chassis rails no.1 and no.3.

3. Fix 3 pieces of chassis frames and fix 4 screws to the bottom and top mountings.

Tightening torque should be 100 N cm - 130 N cm (10 kgf cm to 13 kgf cm).



7.4. VESA Bracket Installation

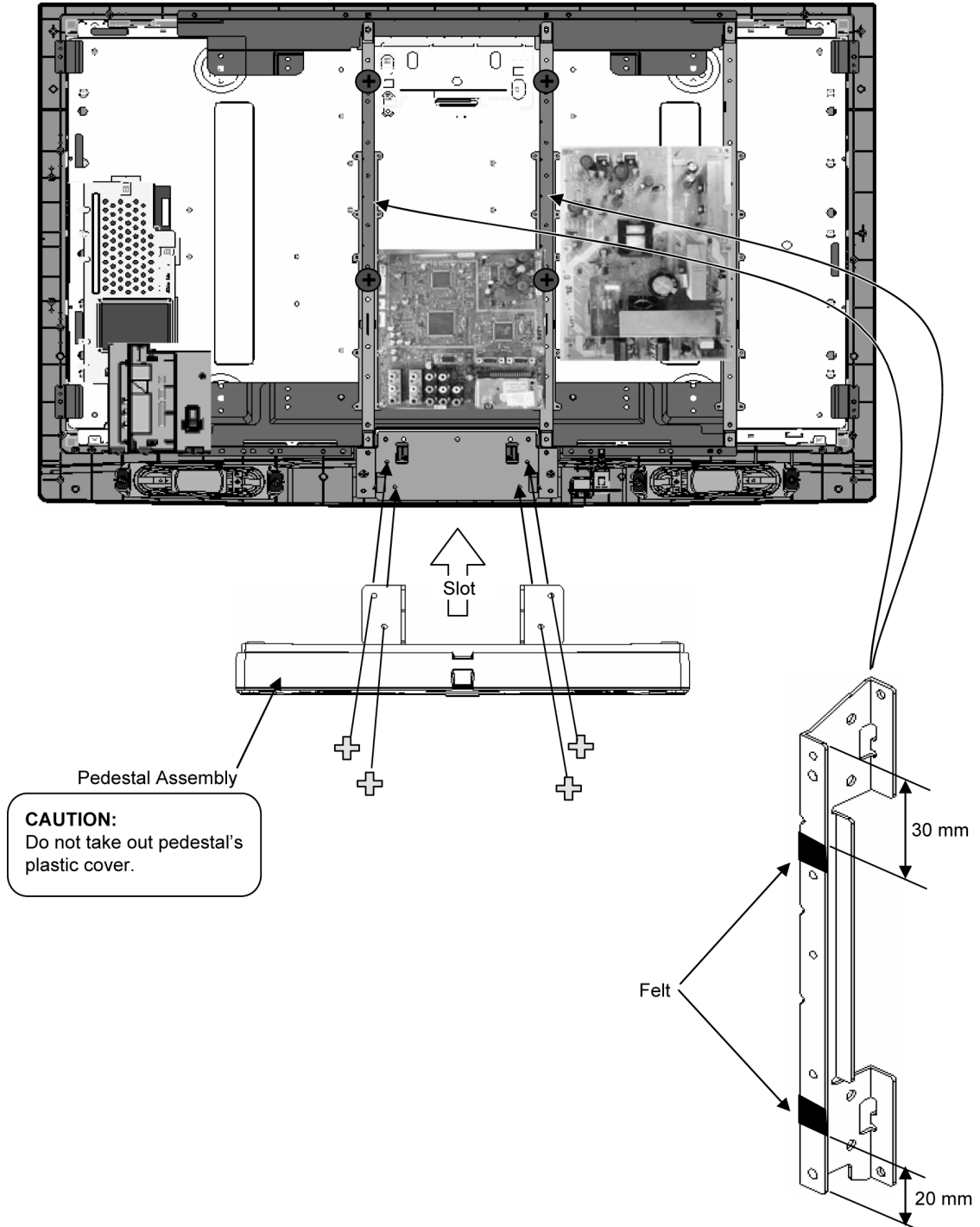
1. Stick 2 pieces of felt on each part of the VESA bracket.

2. Fix 4 screws to VESA bracket.

Tightening torque should be 100 Ncm to 130 Ncm (10 kgf cm to 13 kgf cm).

3. Slot pedestal assembly and fix 4 screws to cabinet.

Tightening torque should be 100 Ncm to 130 Ncm (10 kgf cm to 13 kgf cm).



7.5. Pedestal Assembly Preparation

7.5.1. Pedestal Assembly 1

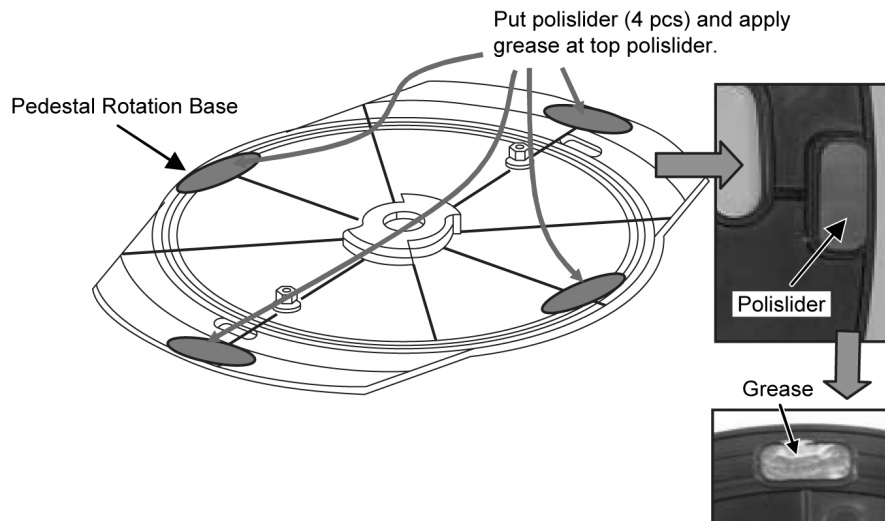
7.5.1.1. Pedestal Rotation Base

Preparation

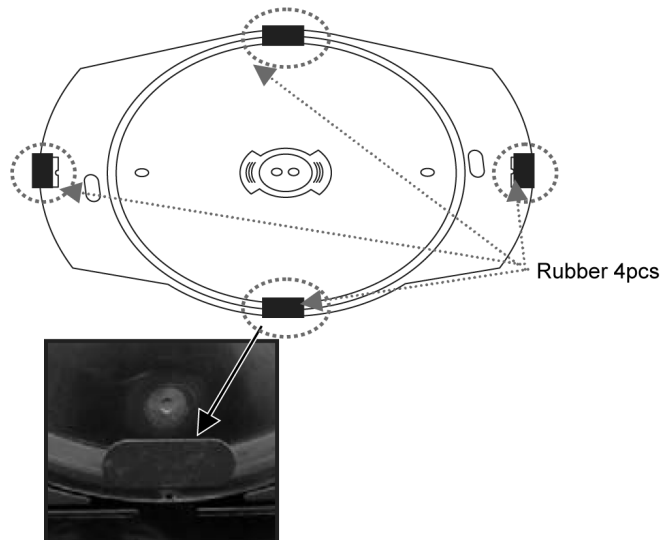


Pedestal
Rotation Base

Top view



Bottom view



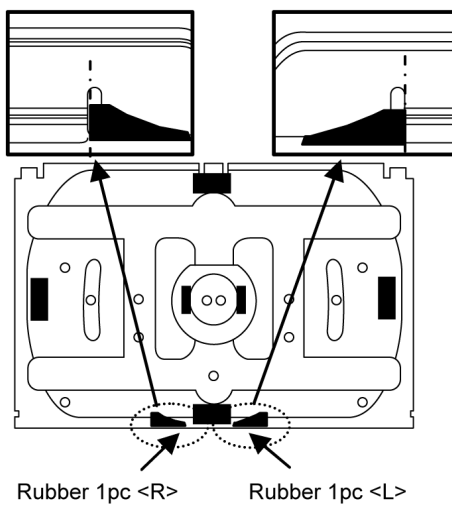
Caution:
Make sure rubber washers fully inserted at guide rib at pedestal metal base to avoid pedestal assembly imbalance.

7.5.1.2. Pedestal Stand Base

Preparation

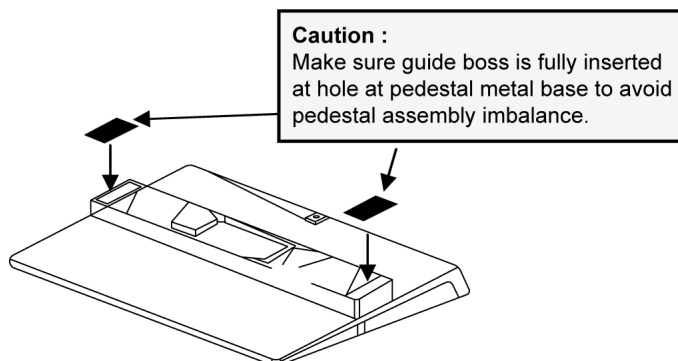


Bottom view

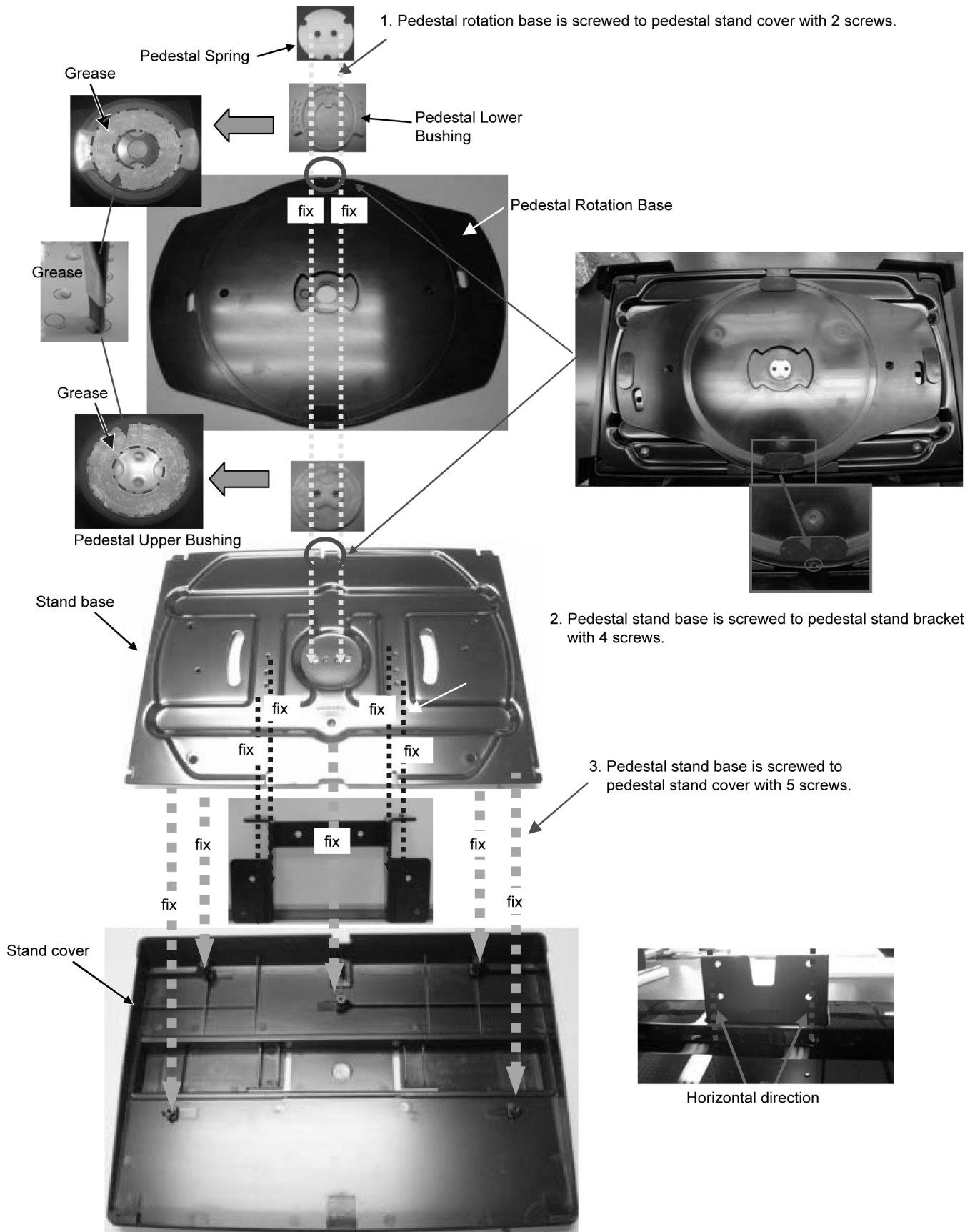


7.5.1.3. Pedestal Stand Cover

Preparation

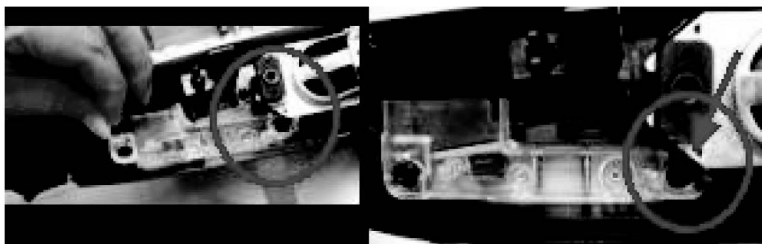
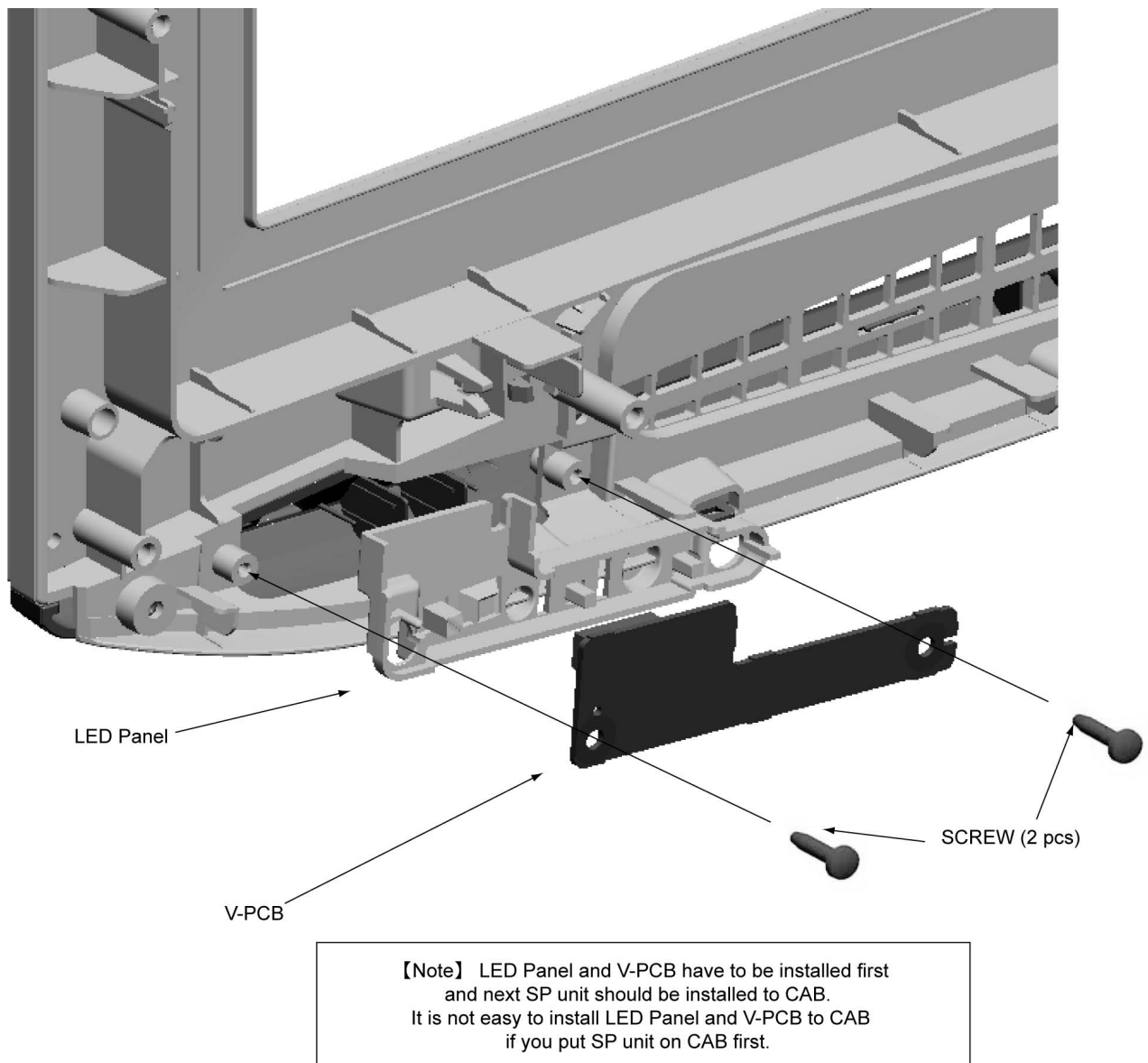


7.5.2. Pedestal Assembly 2

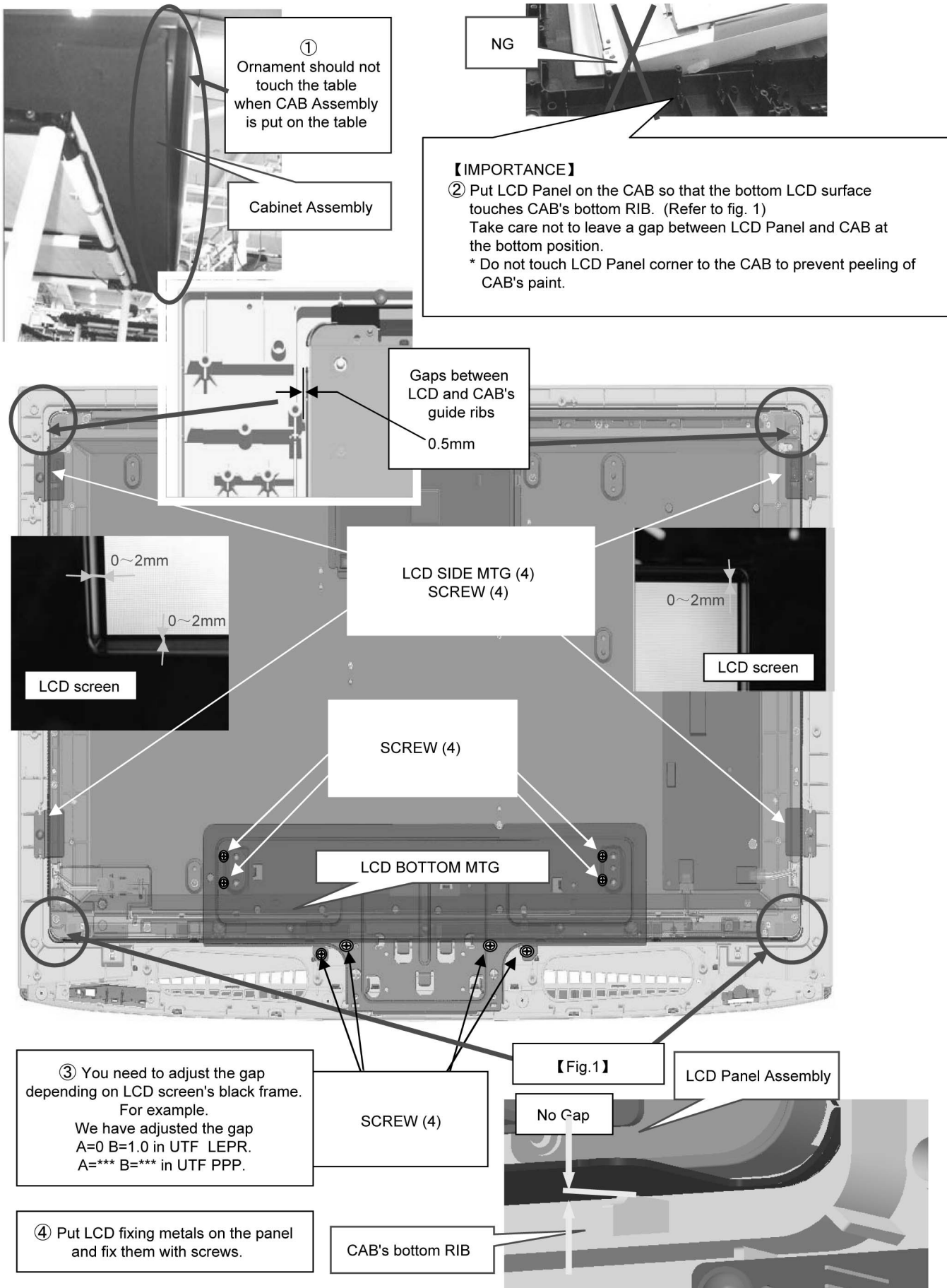


7.6. LED Panel Installation

1. Insert V-PCB Board and LED Panel to cabinet and fix them with 2 screws.



7.7. LCD Panel Assembly Installation

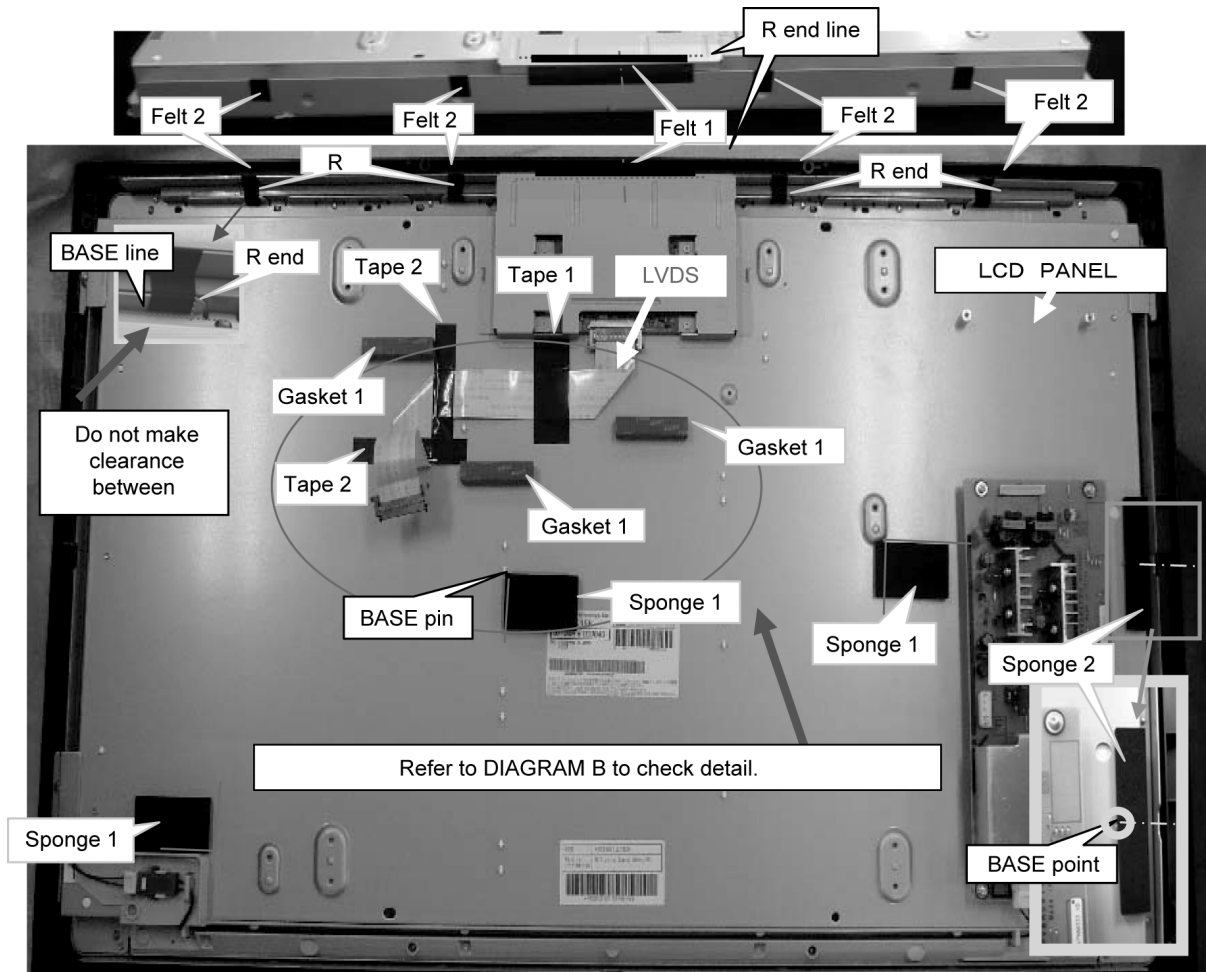


7.8. EMI Installation

7.8.1. EMI 1

Assembly Order:

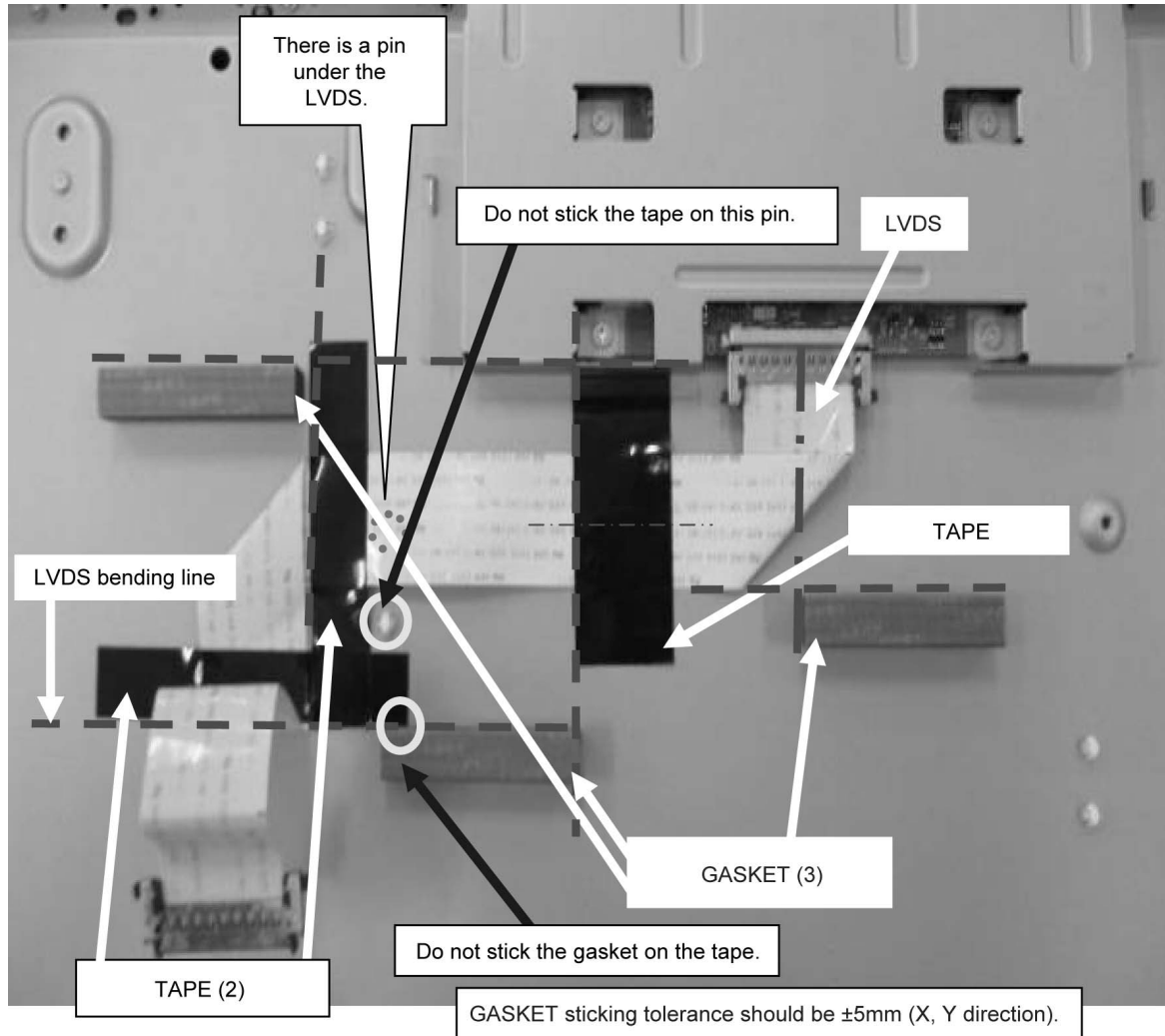
1. Stick felts on top of LCD panel.
2. Insert LVDS into T-connector.
3. Stick tape to fix LVDS.
4. Stick the gaskets on LCD panel.
5. Stick the sponges on LCD panel.



7.8.2. EMI 2

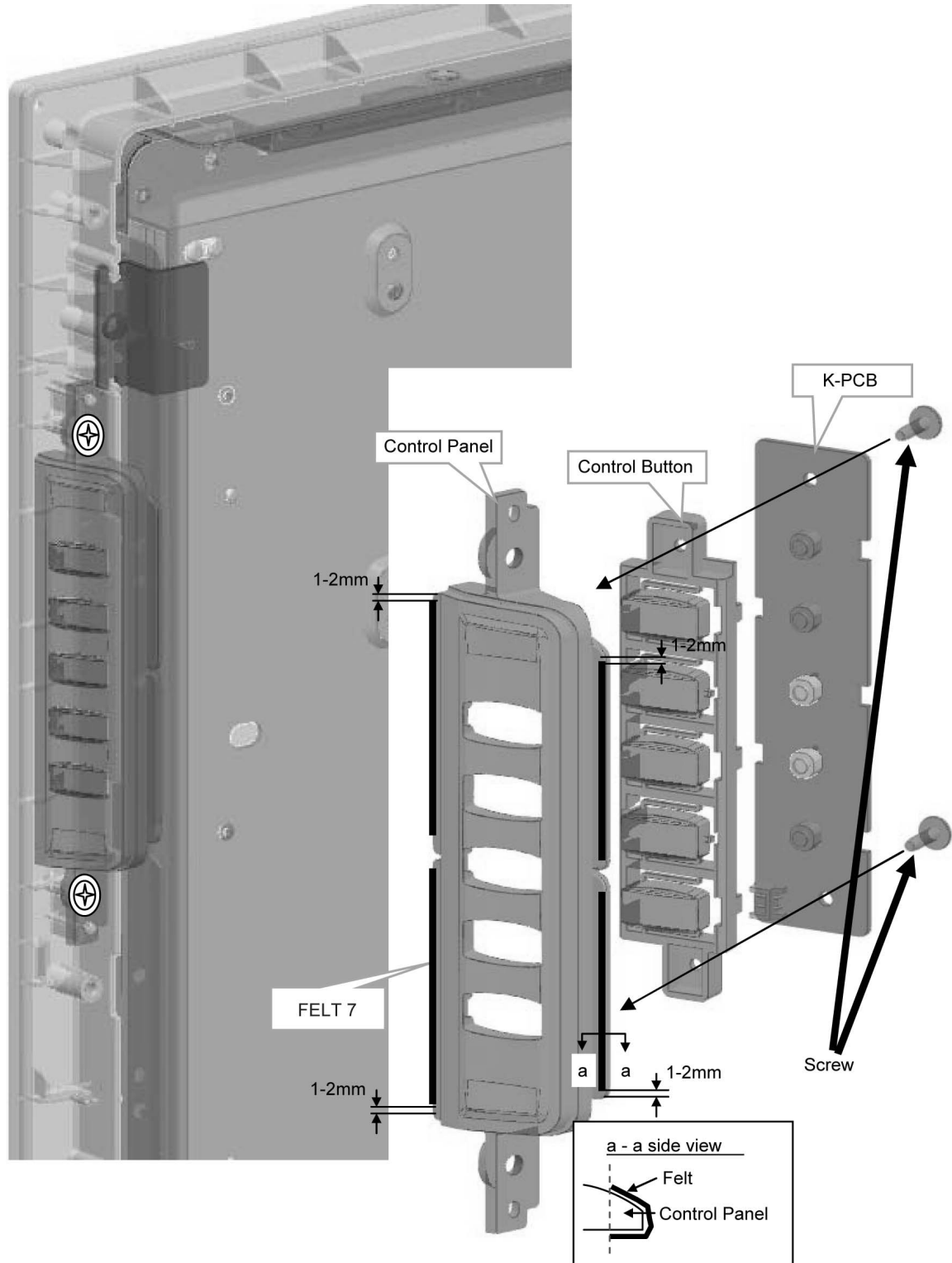
Assembly Contents:

1. Insert LVDS into T-connector.
2. Stick tape to fix LVDS.
3. Stick the gaskets on LCD panel.

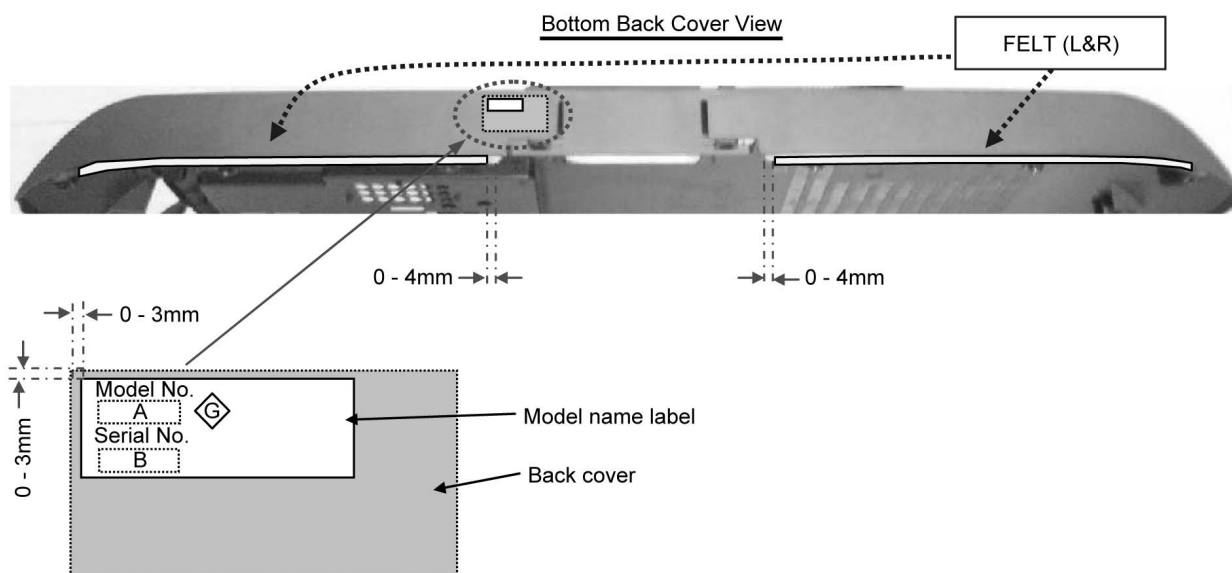
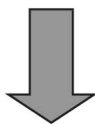
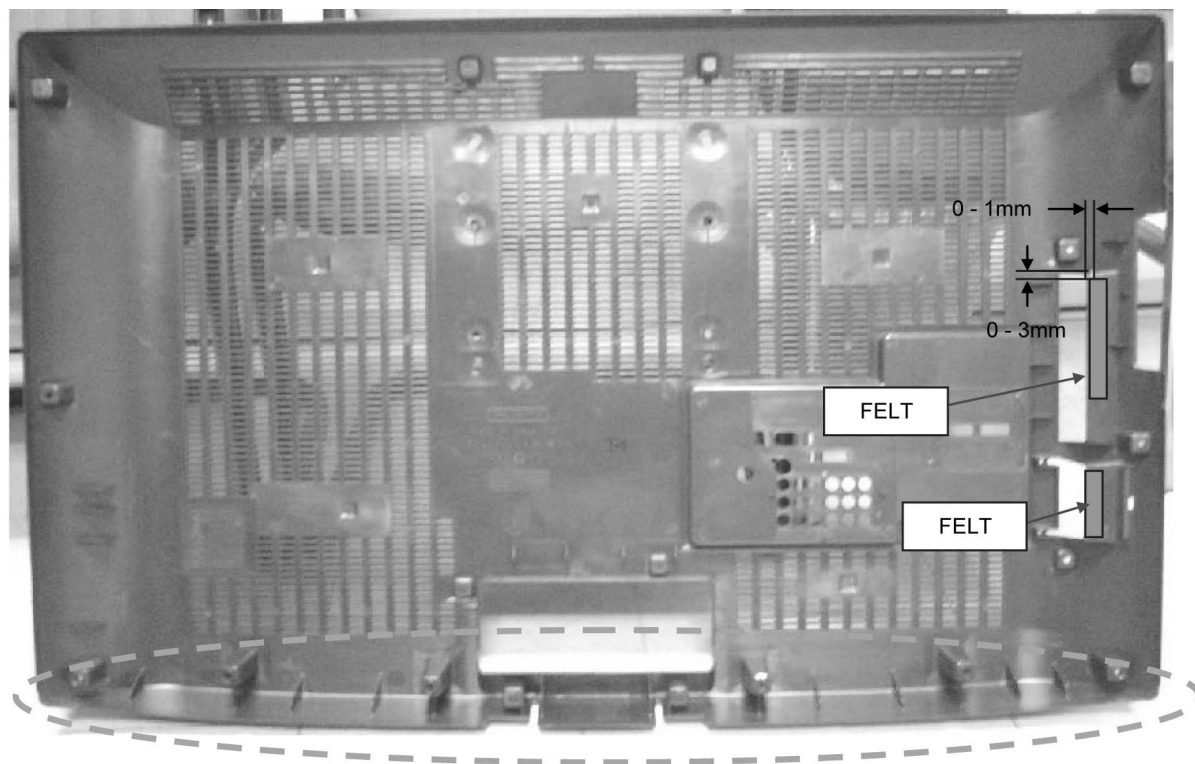


7.9. Control Panel Installation

1. Assemble K-PCB, Control Button, Control Panel and fix them with screws.
2. Assembled Control Panel is fixed to CAB with screws.



7.10. Back Cover Installation



8 Adjustment

8.1. Voltage Chart of A Board

Power Supply Name	Measurement Point	Specification (V)
SUB1.8V	TP5602	1.76 - 1.85
SUB1.2V	TP5601	1.22 - 1.27
SUB3.3V	TP5600	3.19 - 3.39
DVDDIO3.3V/TVDD3.3V	TP4531	3.23 - 3.37
HQ3.3V	TP5433	3.18 - 3.47
HQVD1.2V	TP5412	1.19 - 1.26

8.2. Voltage Chart of P board

Power Supply Name	Measurement Point	Normal condition (V)	Normal condition (V)
SOUND_VCC	TP7050	17.0 - 20.5	< 3.0
BT-30V	TP7060	28.5 - 31.5	< 3.0
SUB_5V	TP7059	4.9 - 5.3	< 1.0
SUB_9V	TP7055	8.8 - 9.4	< 1.0
DTV_12V	TP7057	11.6 - 12.4	< 1.0
PANEL_12V	TP7058	11.6 - 12.4	< 2.0
5VS	TP7061	4.8 - 5.2	4.8 - 5.2
STB_5V	TP7062	4.8 - 5.2	4.8 - 5.2
SUB_6V	TP7064	5.7 - 6.5	< 1.0
V+ - V-	TP7025 - TP7026	370 - 395	no care
12V	TP7070	11.6 - 12.4	< 3.0

8.3. DVCO Adjustment

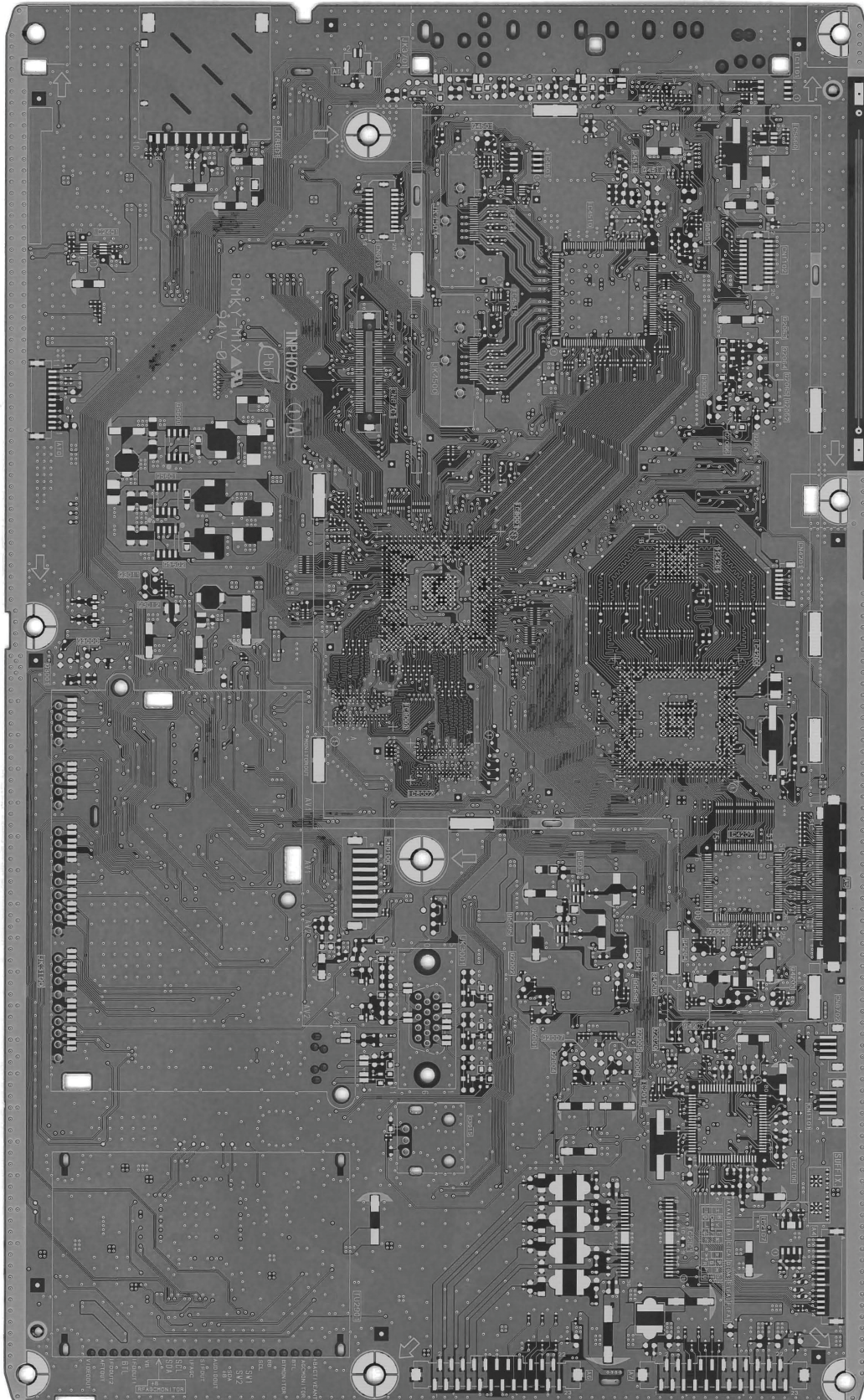
Measuring instrument	Instrument name	Connect to	Remarks
	1. Remote control composite output device	AVI AV input terminal	
Adjust	Procedure		Remarks
	<DVCO Adjustment> 1. AVI PAL/fp = 4.43361875 MHz Receive the colour bar pattern at AVI composite video. *Signal generator : PAL/fp = 4.43361875 MHz (ref.) 2. Service 1 Go to "DVCO" under Service 1 by pressing "FA" + "4" on the remote control. 3. Perform automatic adjustment of DVCO using the blue key. (About 3 sec.) *DVCO (START) The display colour of DVCO shows as black (START) → red (under adjustment) → black (completion)		RF/PAL [Another method] Receive the PAL colour bar pattern at RF. EEPROM Address of DVCO Adjustment value 238 ~ 239

9 Conductor Views

9.1. A-Board

A-Board (A Side)

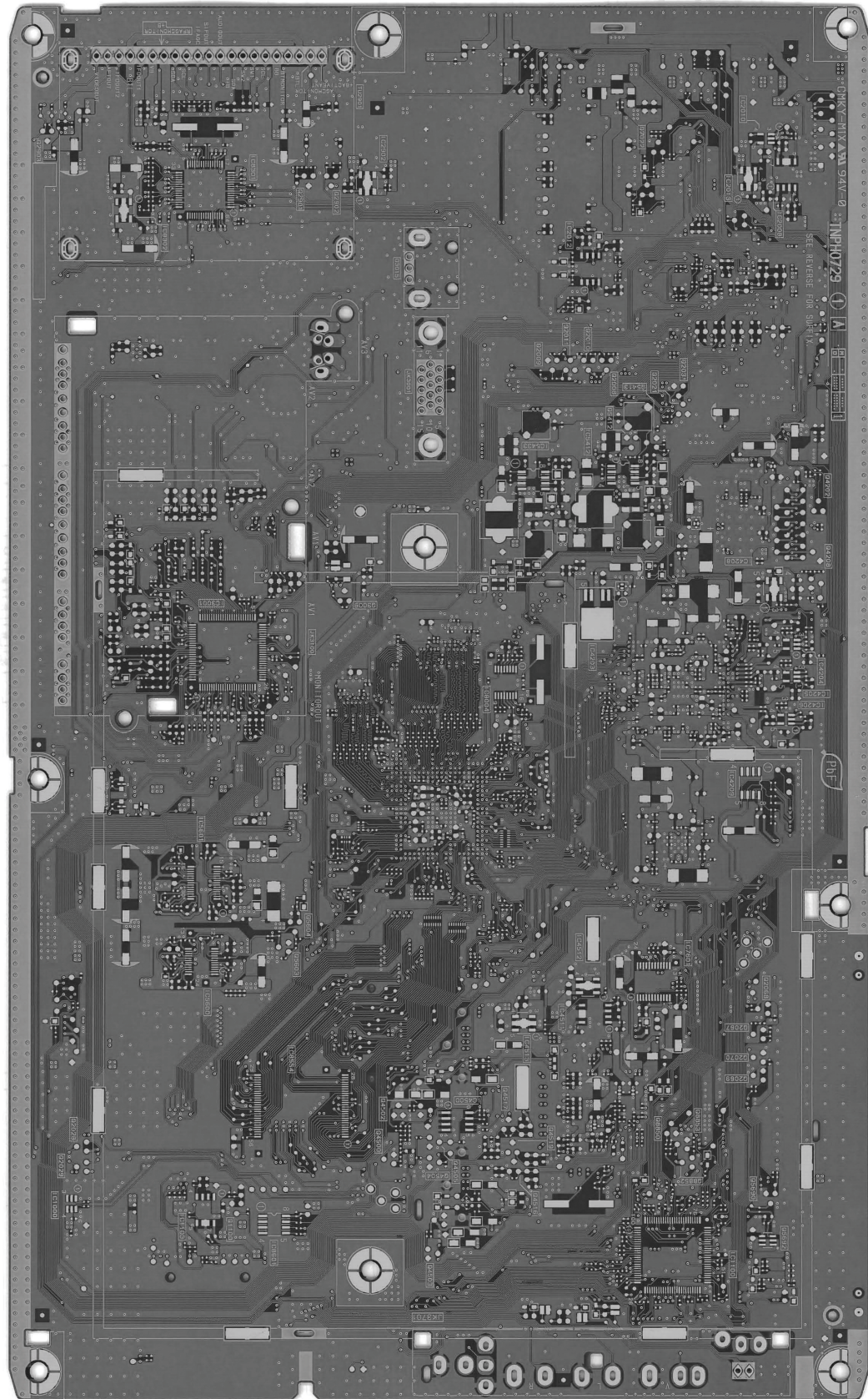
TNPH0729



9.2. A-Board

A-Board (B Side)

TNPH0729



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 F 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.

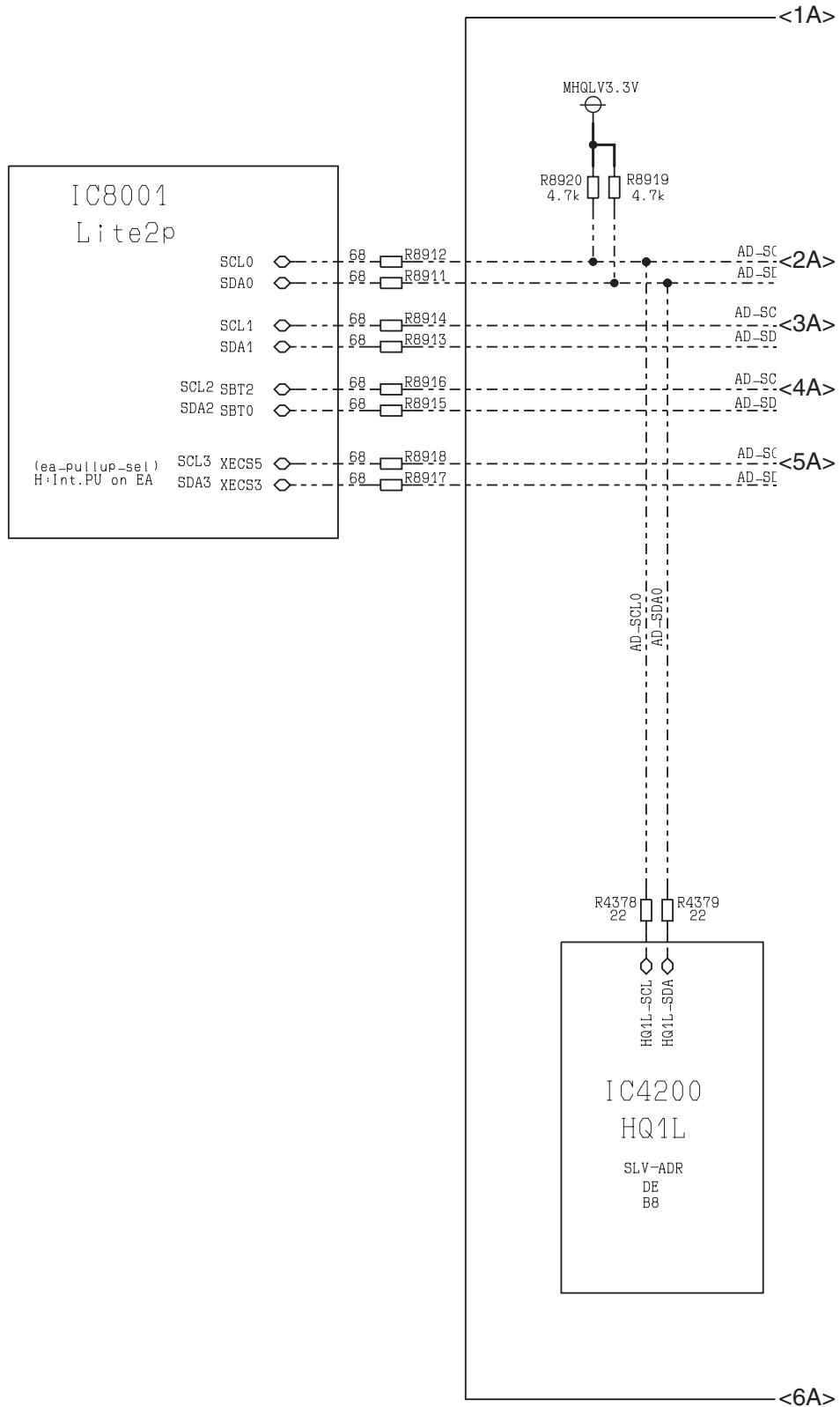
c. Do not connect an instrument such as an oscilloscope to the hot and cold circuits simultaneously or a fuse may blow.

Connect the earth of instruments to the earth connection of the circuit being measured.

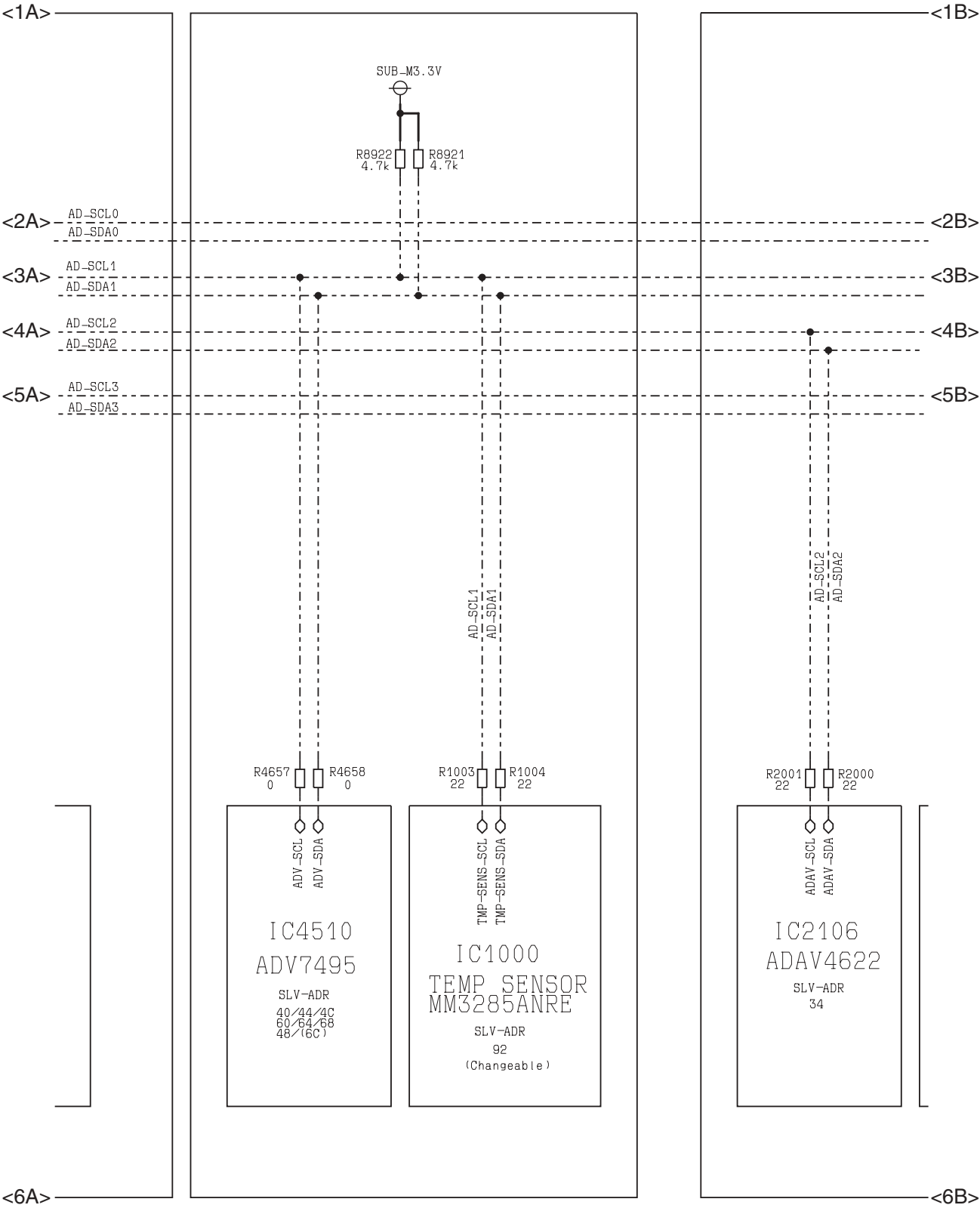
d. Make sure to disconnect the power plug before removing the chassis.

10.2. A Board

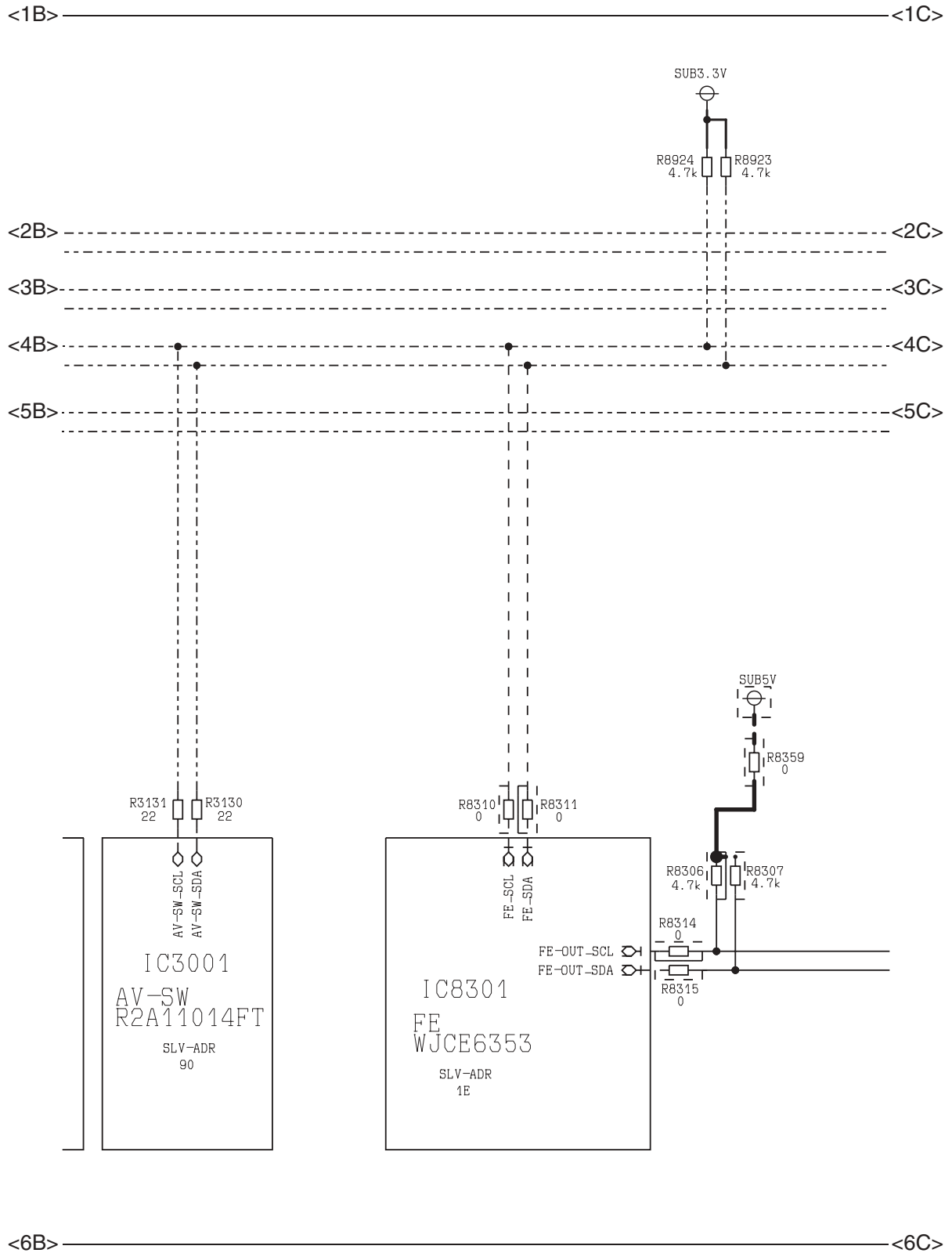
10.2.1. A Board - Sheet : 001 (1 / 6)



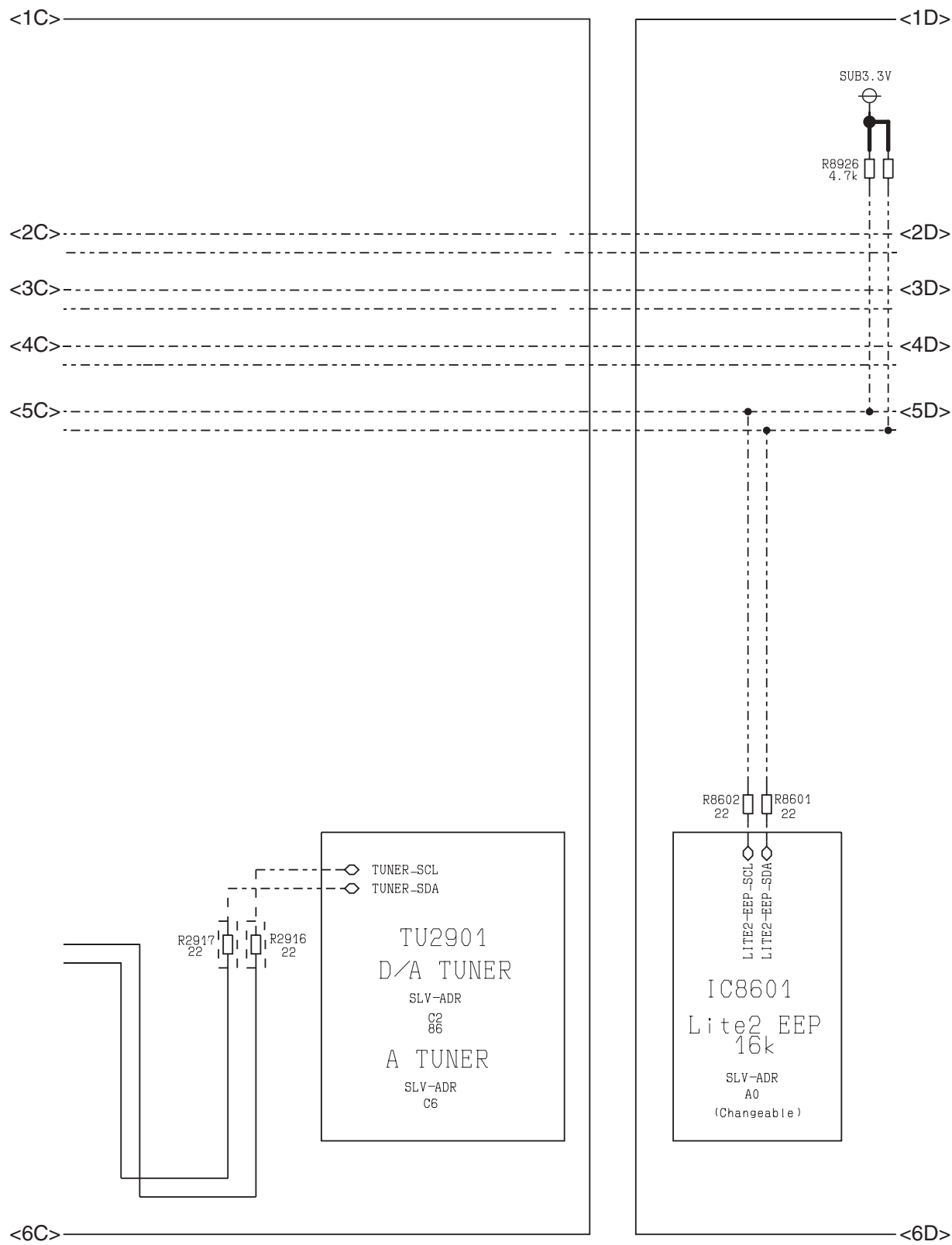
10.2.2. A Board - Sheet : 001 (2 / 6)



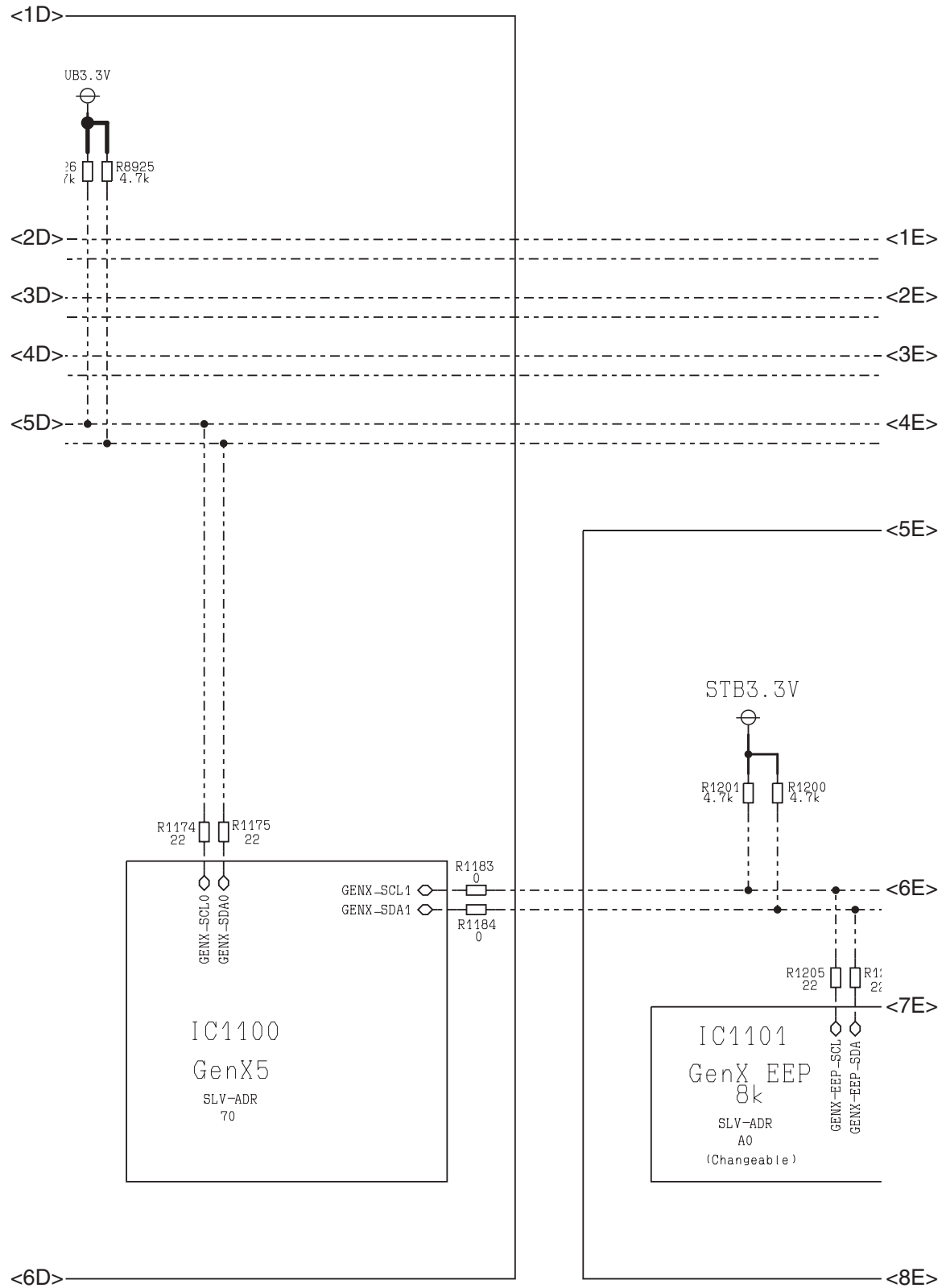
10.2.3. A Board - Sheet : 001 (3 / 6)



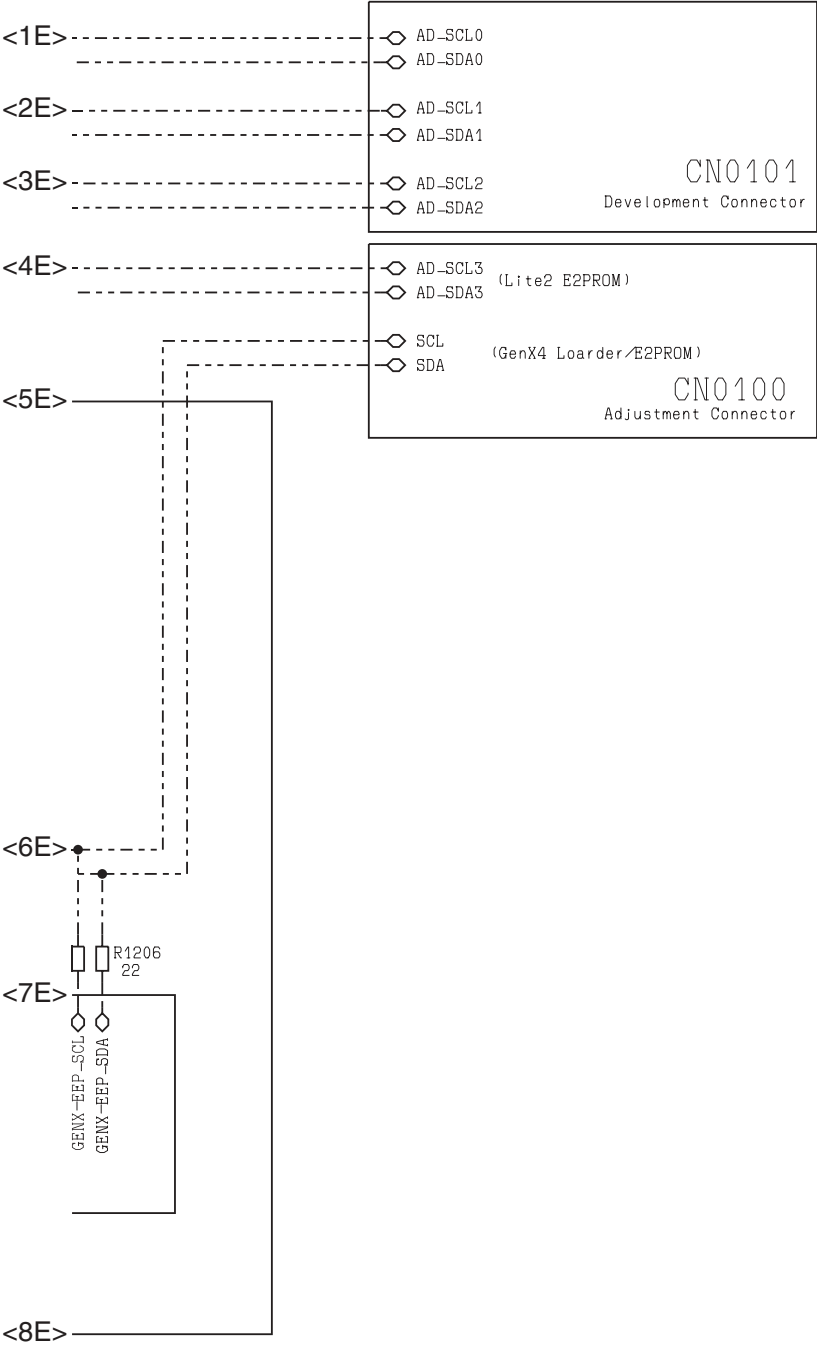
10.2.4. A Board - Sheet : 001 (4 / 6)



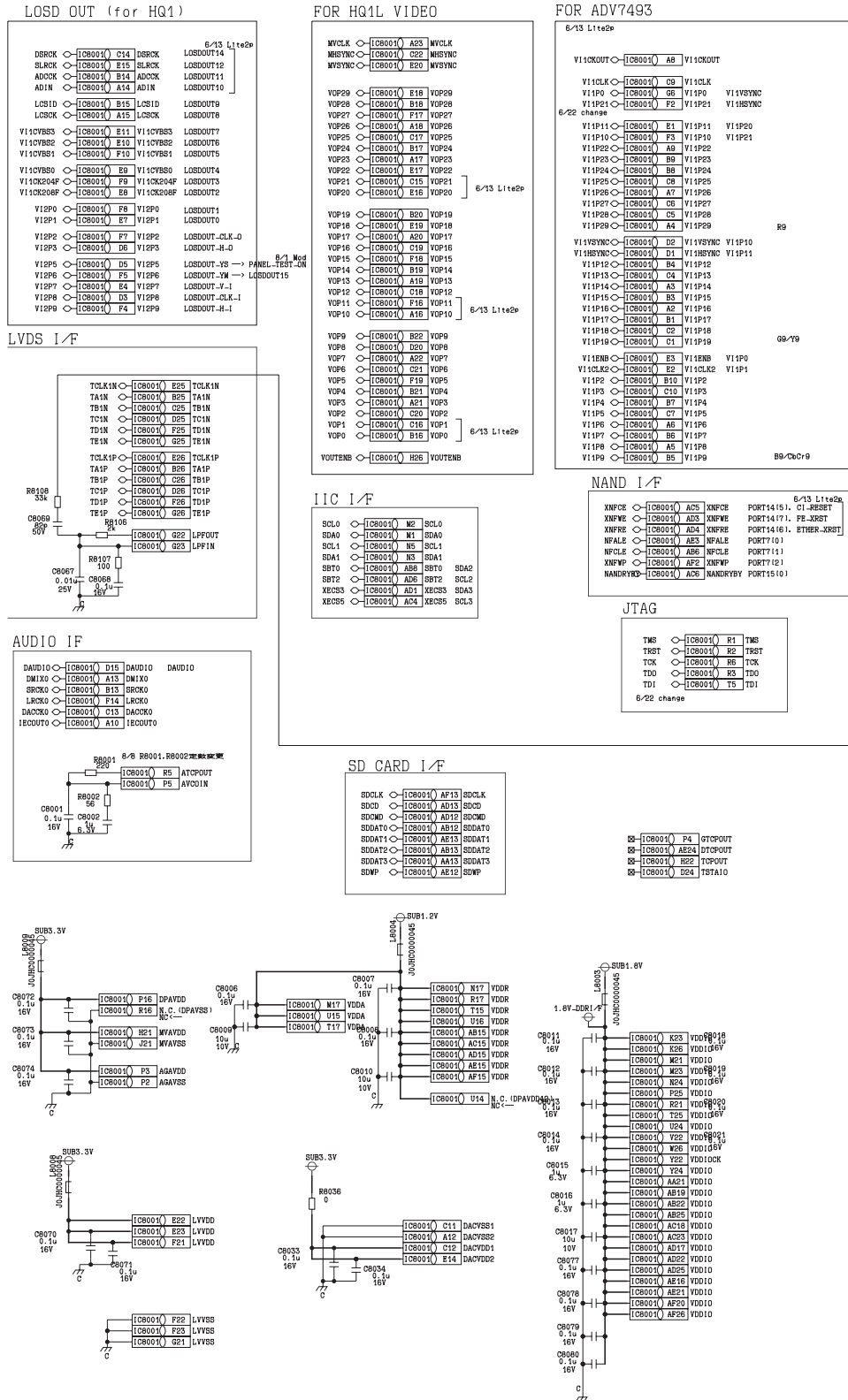
10.2.5. A Board - Sheet : 001 (5 / 6)



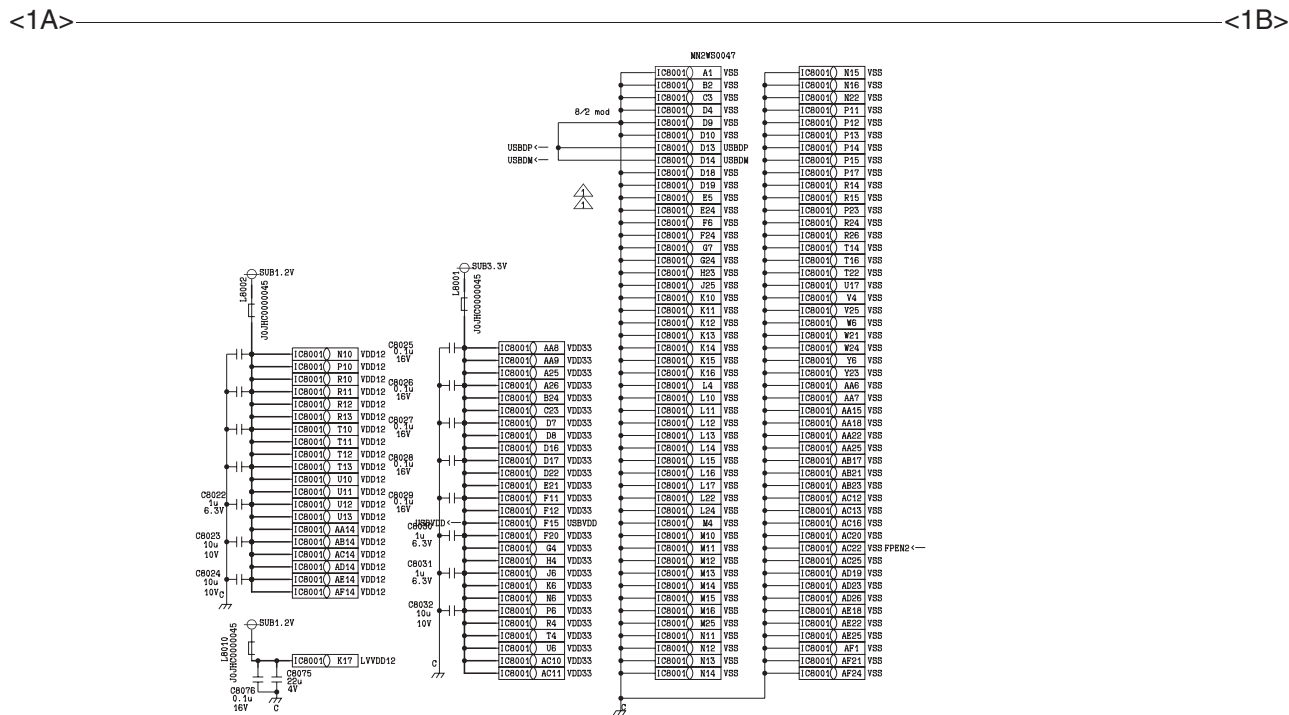
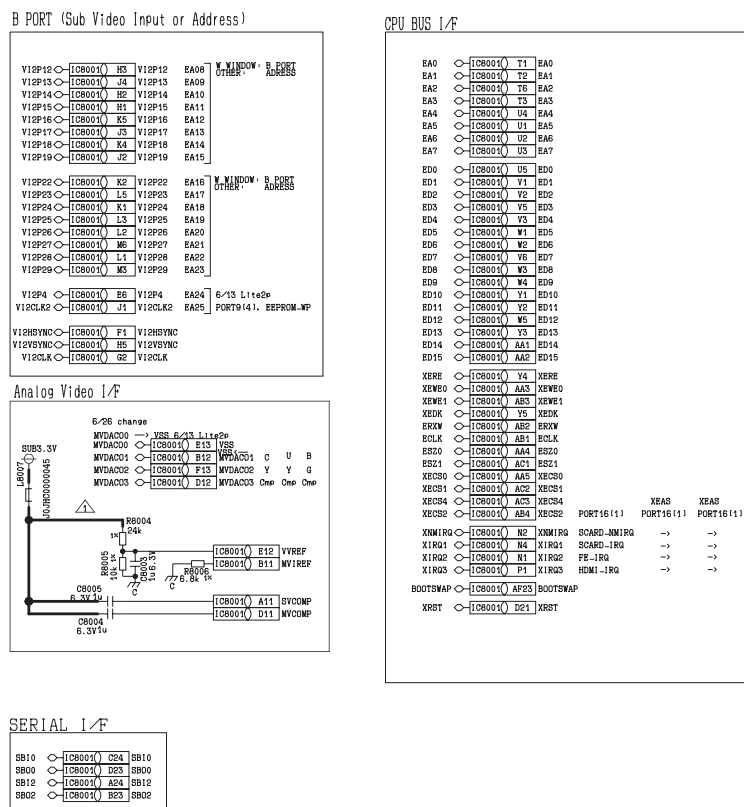
10.2.6. A Board - Sheet : 001 (6 / 6)



10.2.7. A Board - Sheet : 002 (1 / 5)



10.2.8. A Board - Sheet : 002 (2 / 5)

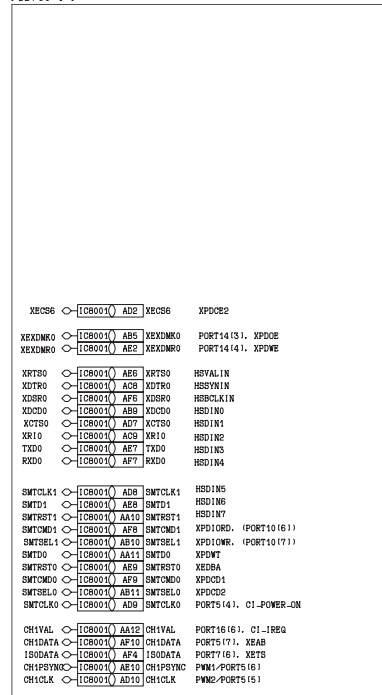


10.2.9. A Board - Sheet : 002 (3 / 5)

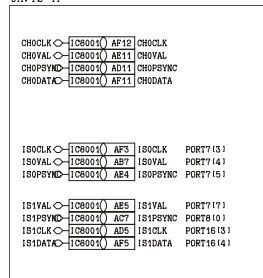
<1A>

<1C>

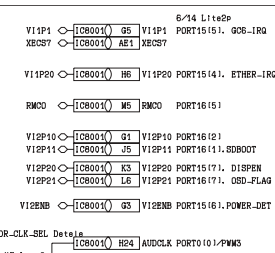
POD.C1 I/F



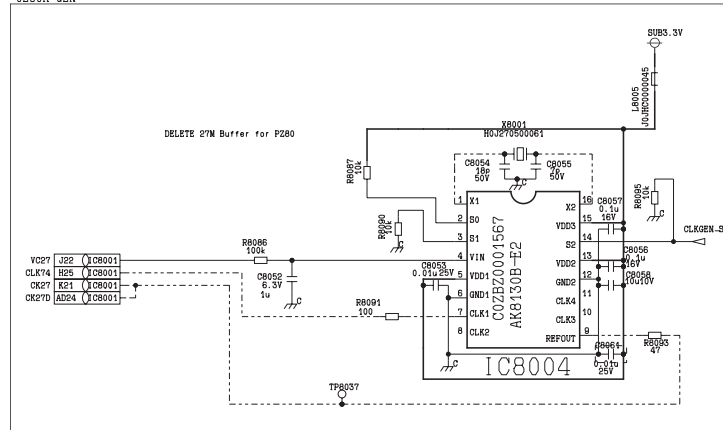
CH.IS IF



COMMON PORT .etc

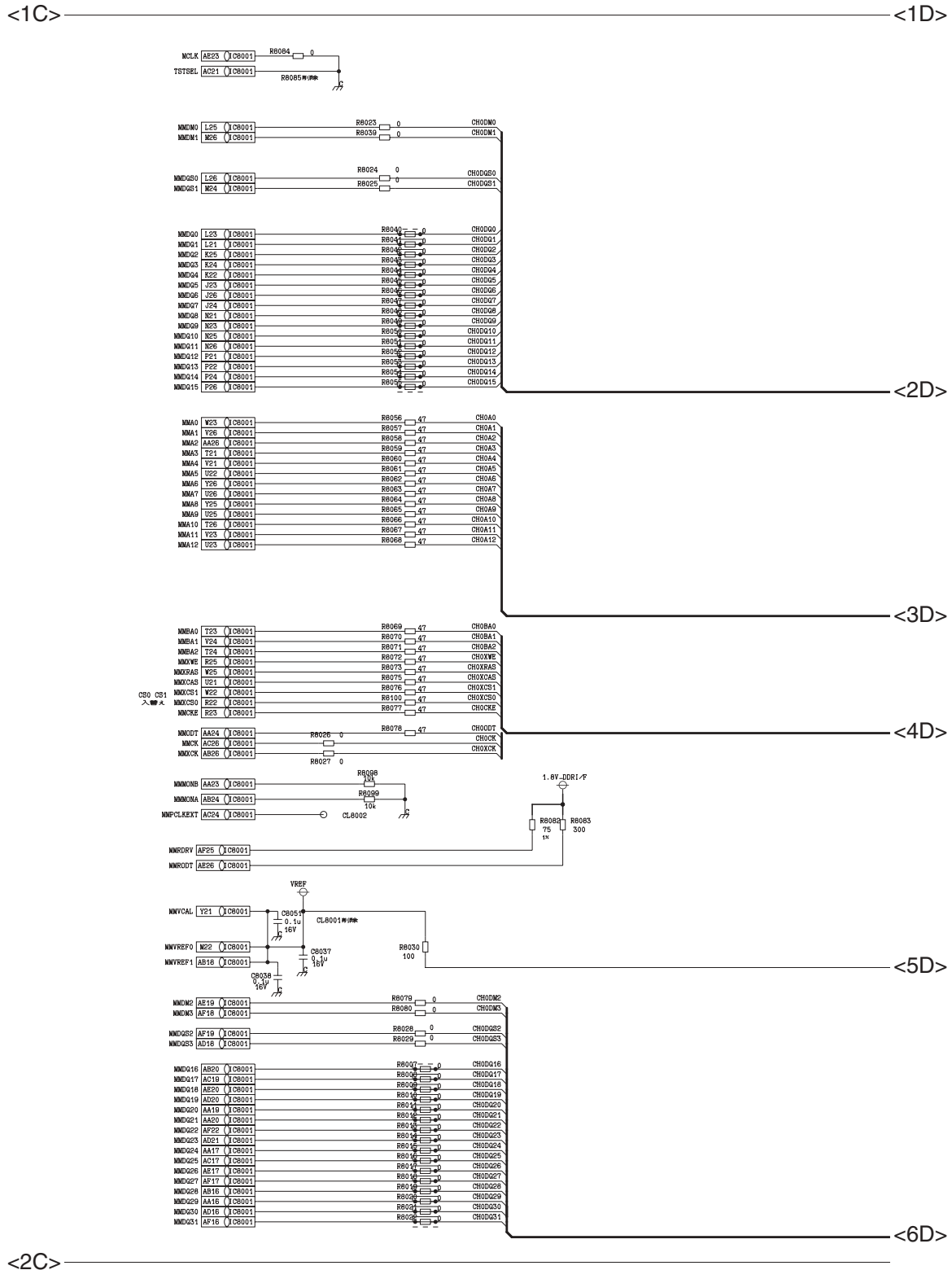


CLOCK GEN



<2C>

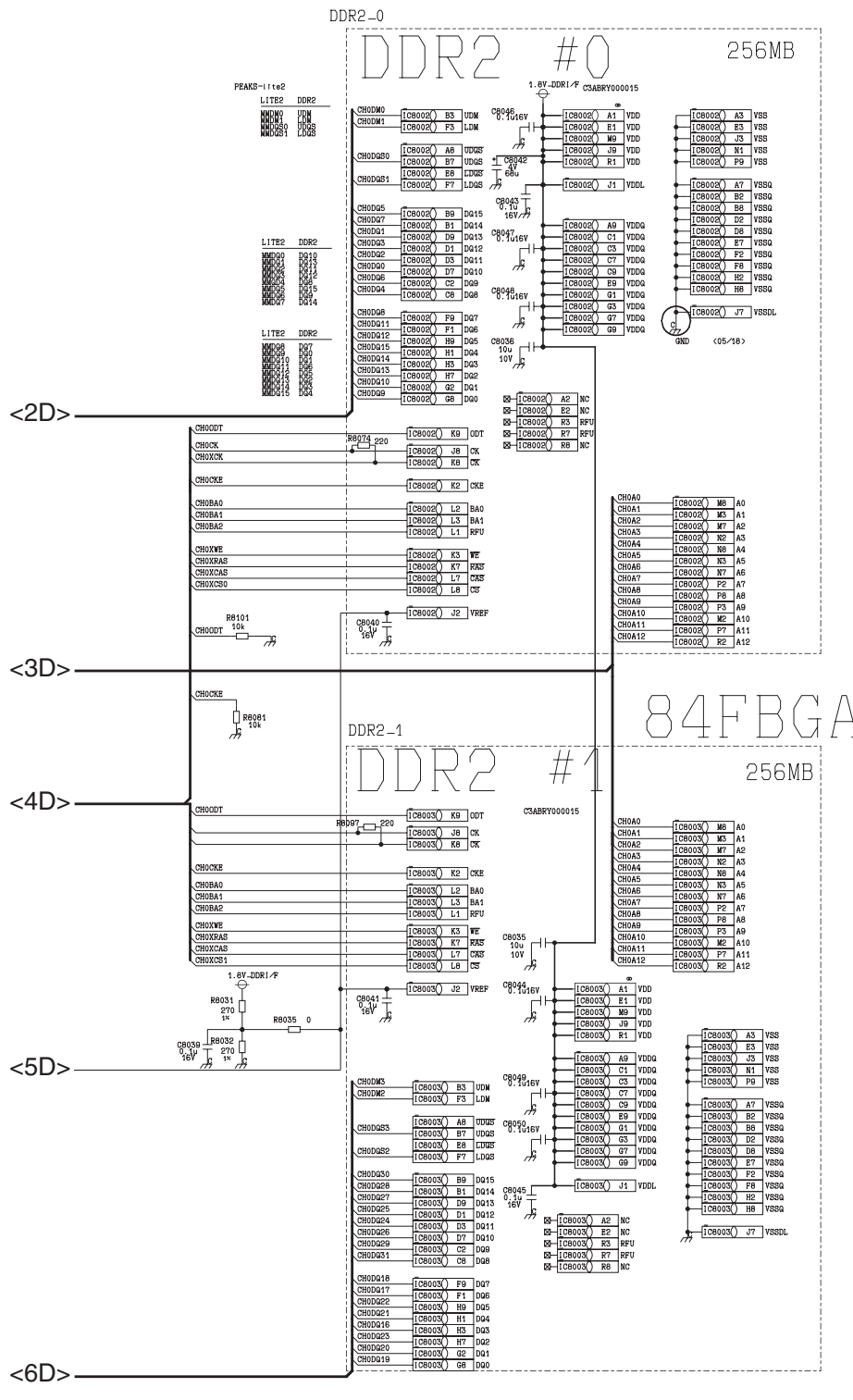
10.2.10. A Board - Sheet : 002 (4 / 5)



10.2.11. A Board - Sheet : 002 (5 / 5)

84F' BGA

<1D>



10.2.14. A Board - Sheet : 003 (3 / 7)

GEN04 P10

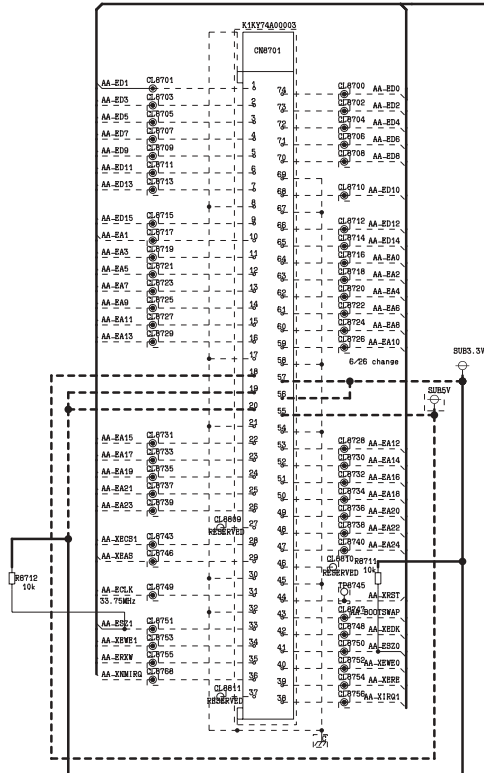
<1B>

110

<1C>

SUPPORT CARD

SUPPORT_CARD



110 --> 74PIN

Serial Connector Delete
Integrated to 1 connector with I2C etc

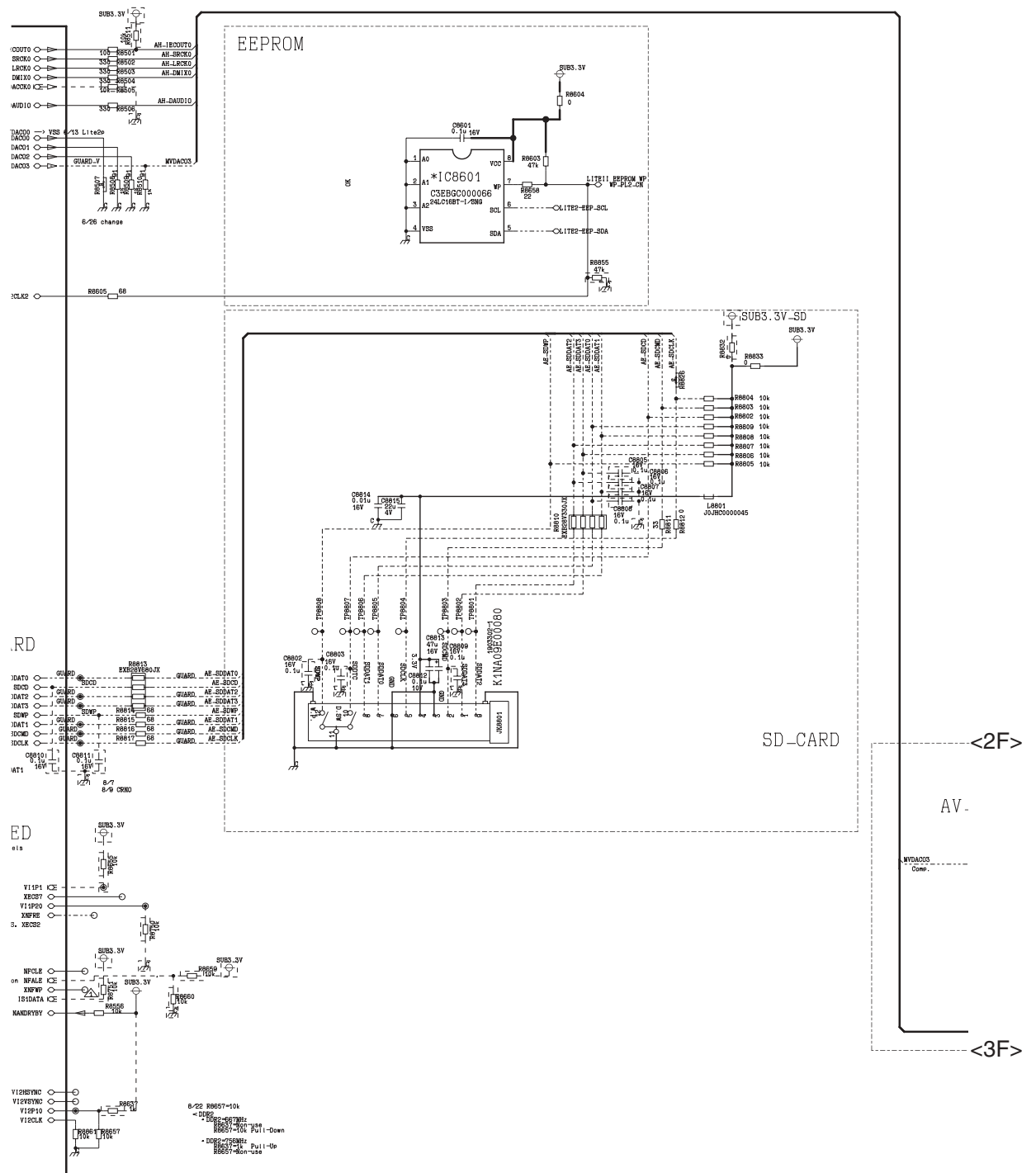
minated !

<2B>

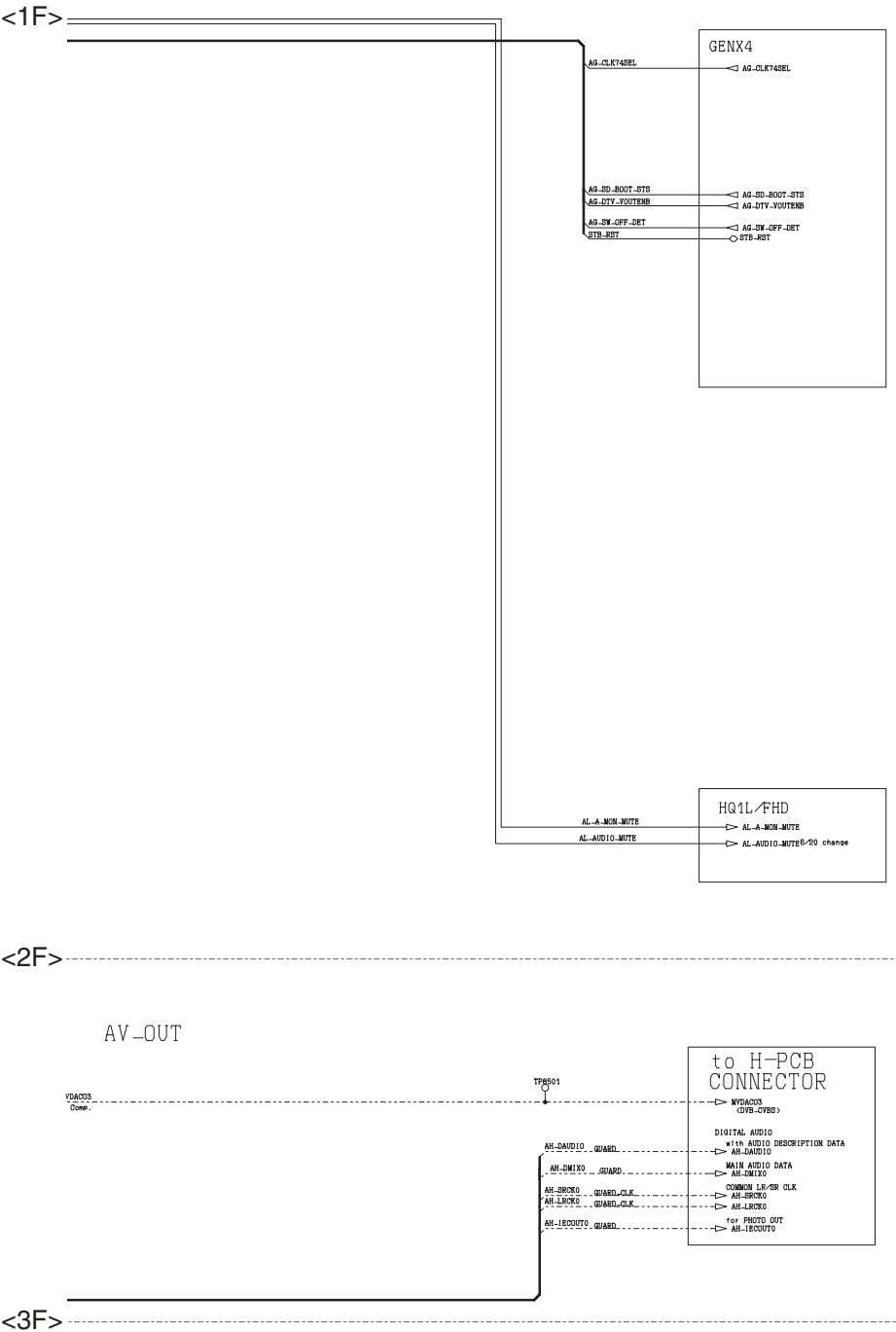
<2C>

10.2.17. A Board - Sheet : 003 (6 / 7)

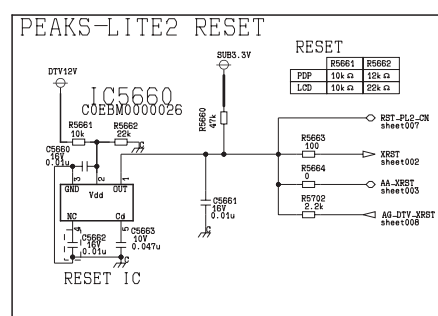
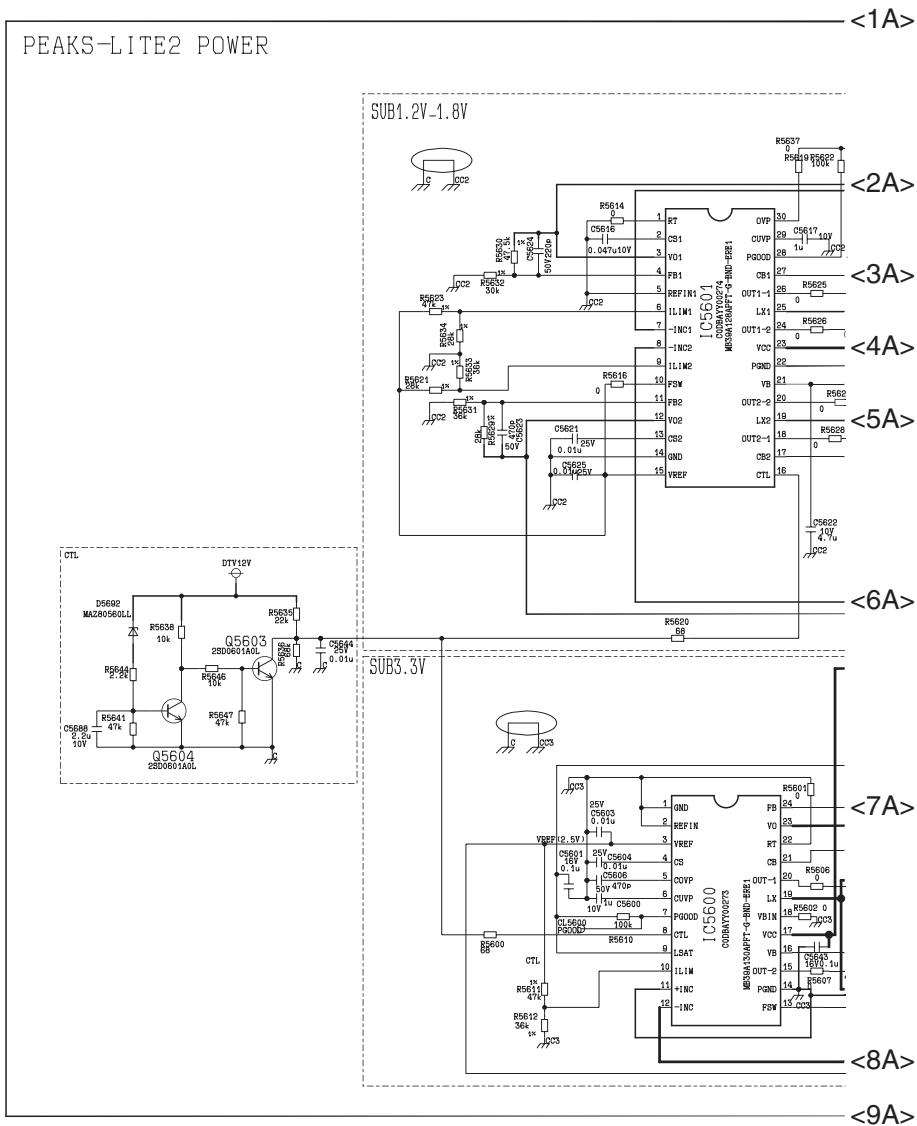
<1E>=

$$= \langle 1F \rangle$$


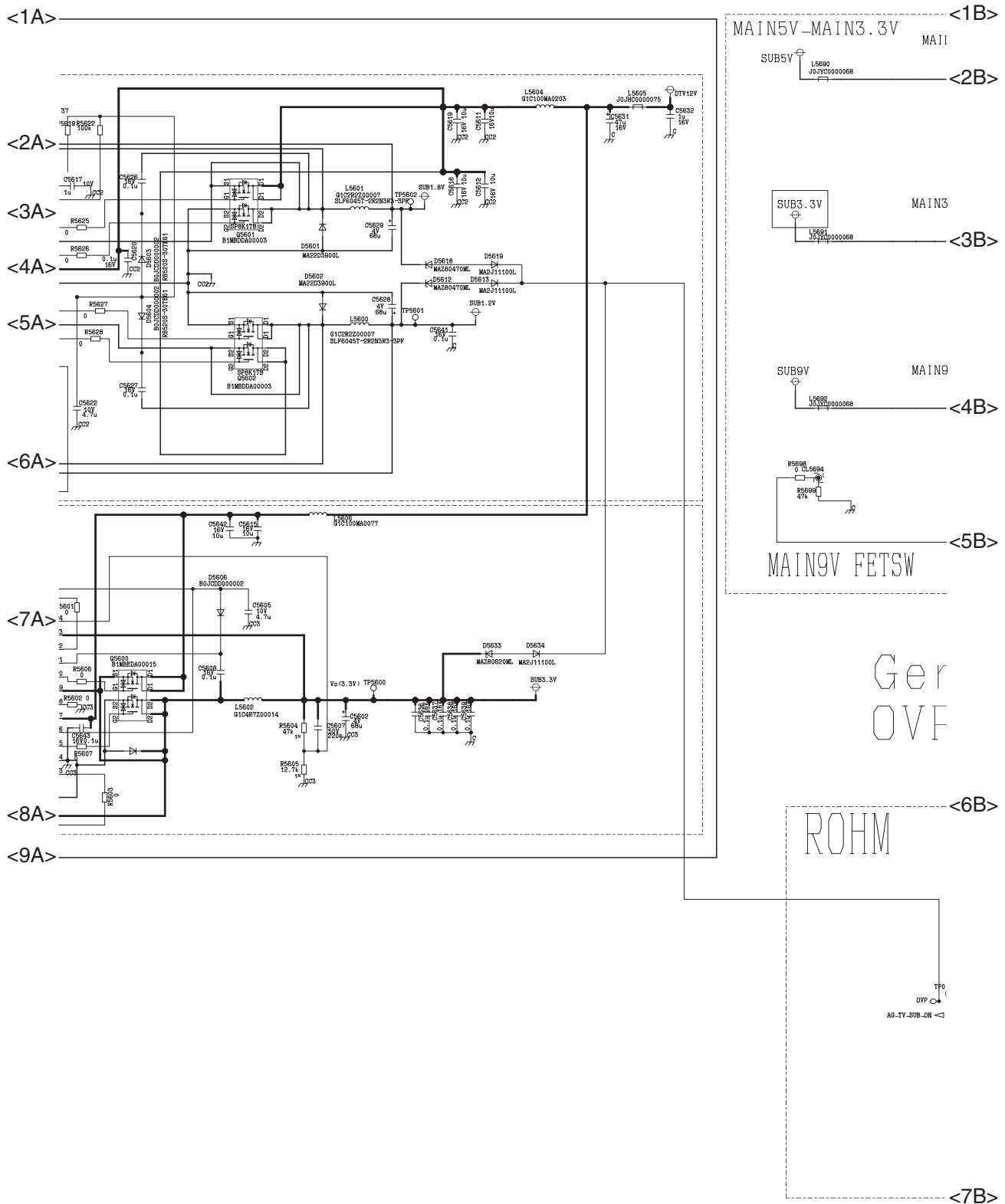
10.2.18. A Board - Sheet : 003 (7 / 7)



10.2.19. A Board - Sheet : 004 (1 / 3)



10.2.20. A Board - Sheet : 004 (2 / 3)

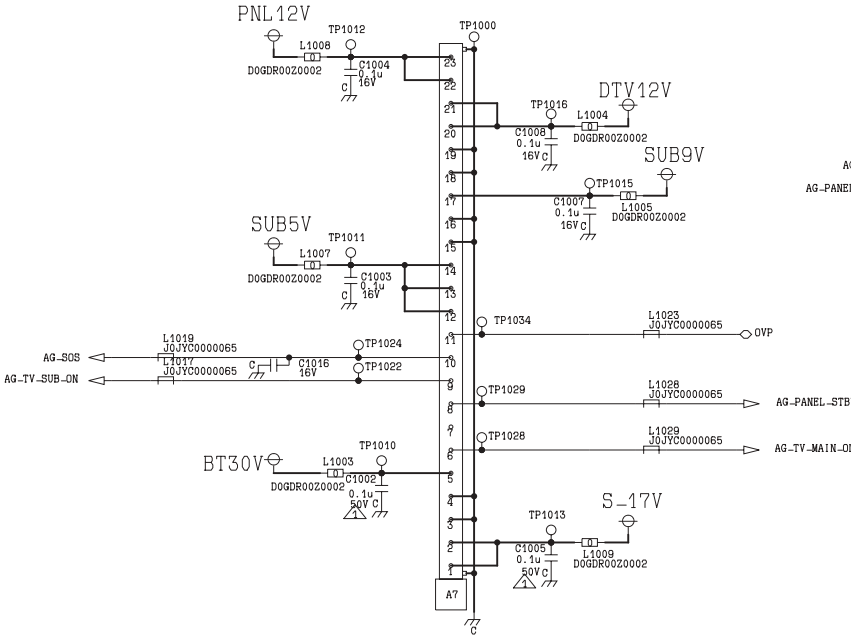


10.2.22. A Board - Sheet : 005 (1 / 3)

F0

A-P_CONNECTOR

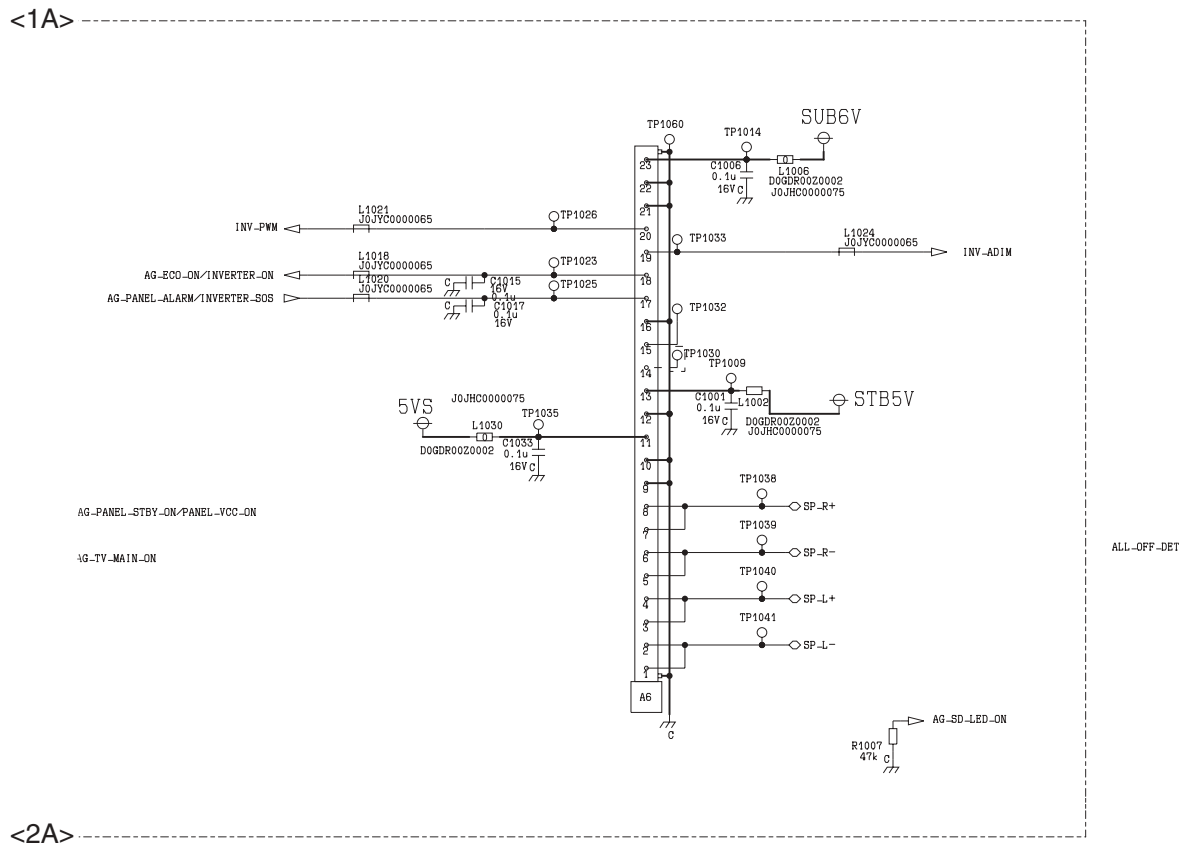
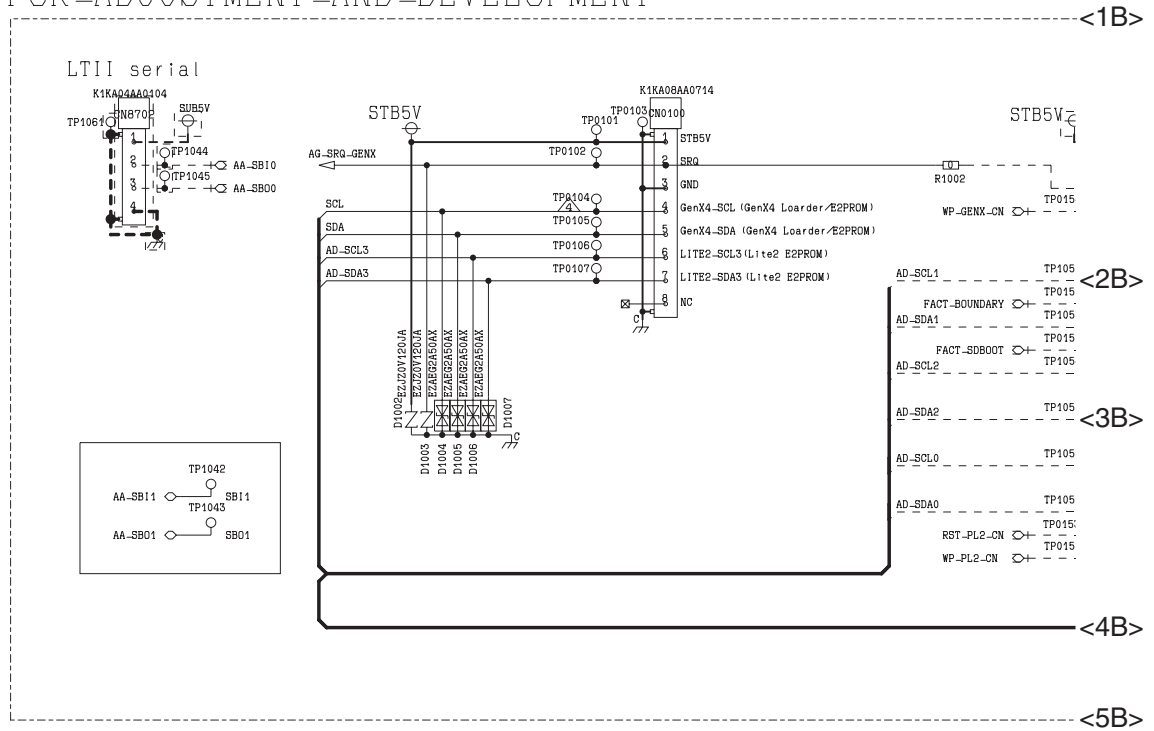
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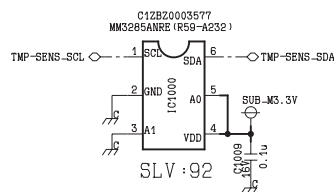


<2A>

10.2.23. A Board - Sheet : 005 (2 / 3)

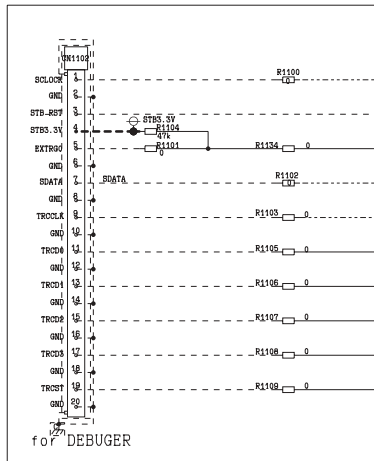
FOR-ADJUSTMENT-AND-DEVELOPMENT





10.2.25. A Board - Sheet : 006 (1 / 3)

for Debugger

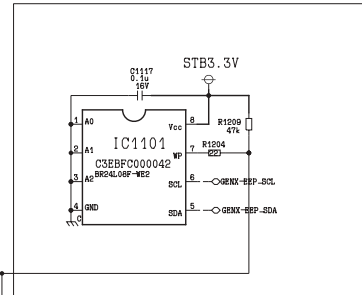


for DEBUGGER

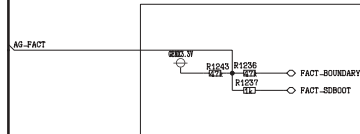
STB3.3
L1101
J04P00000

<1A>

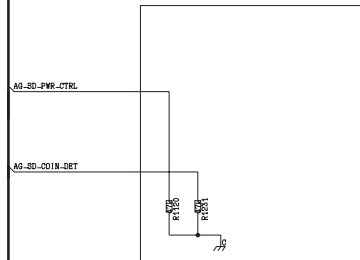
GenX5 EEPROM



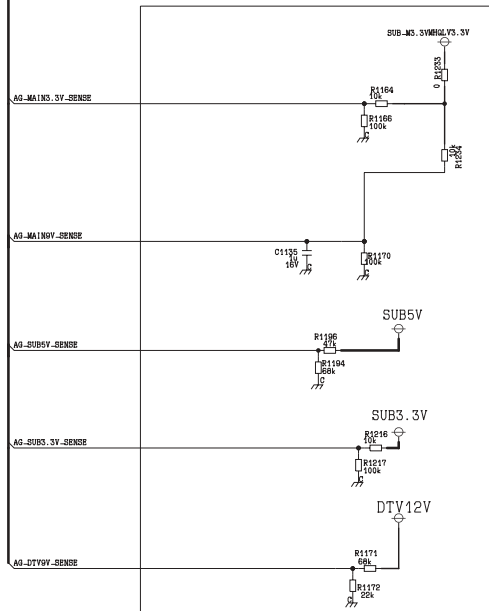
for Factory



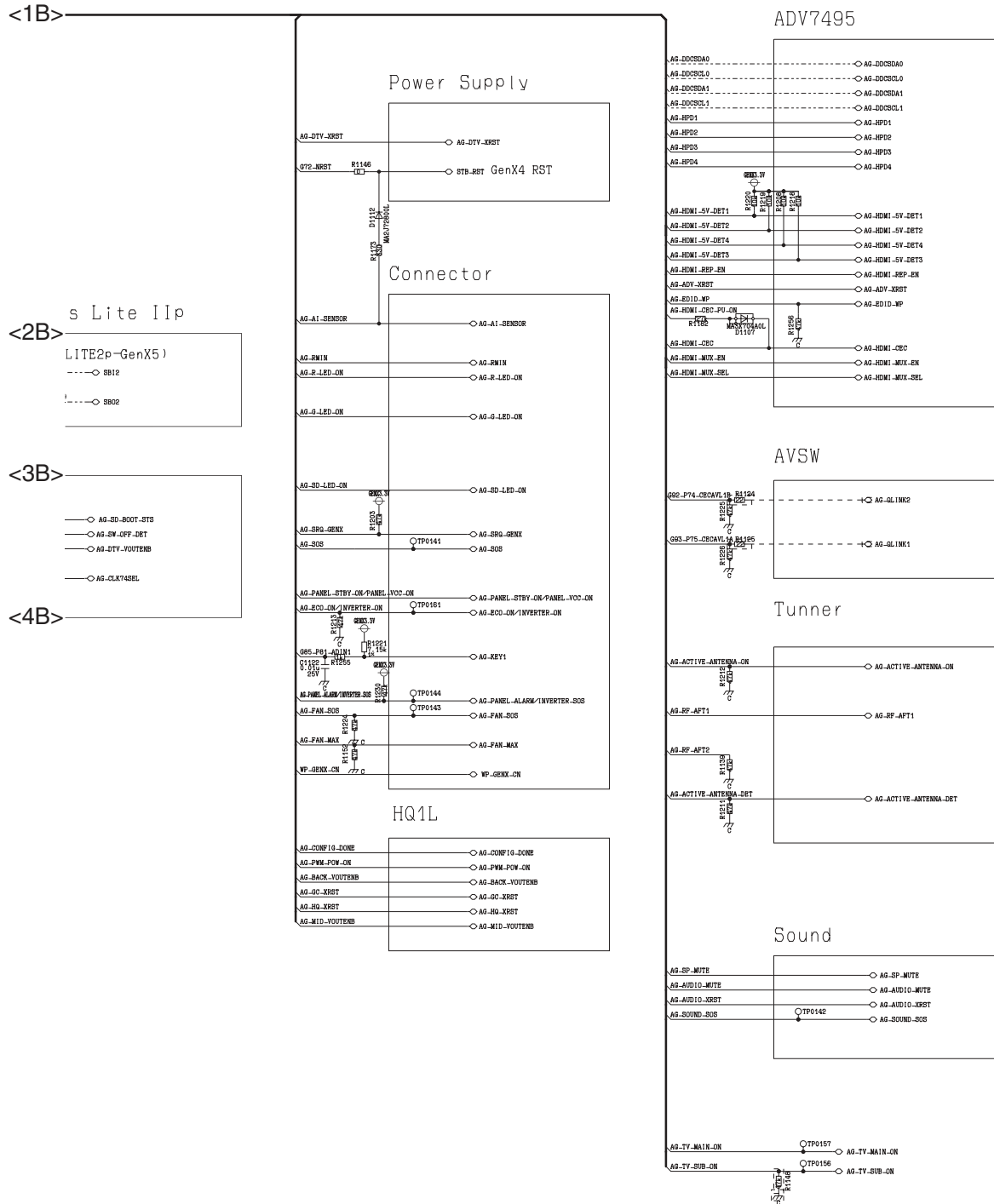
SD COIN DET



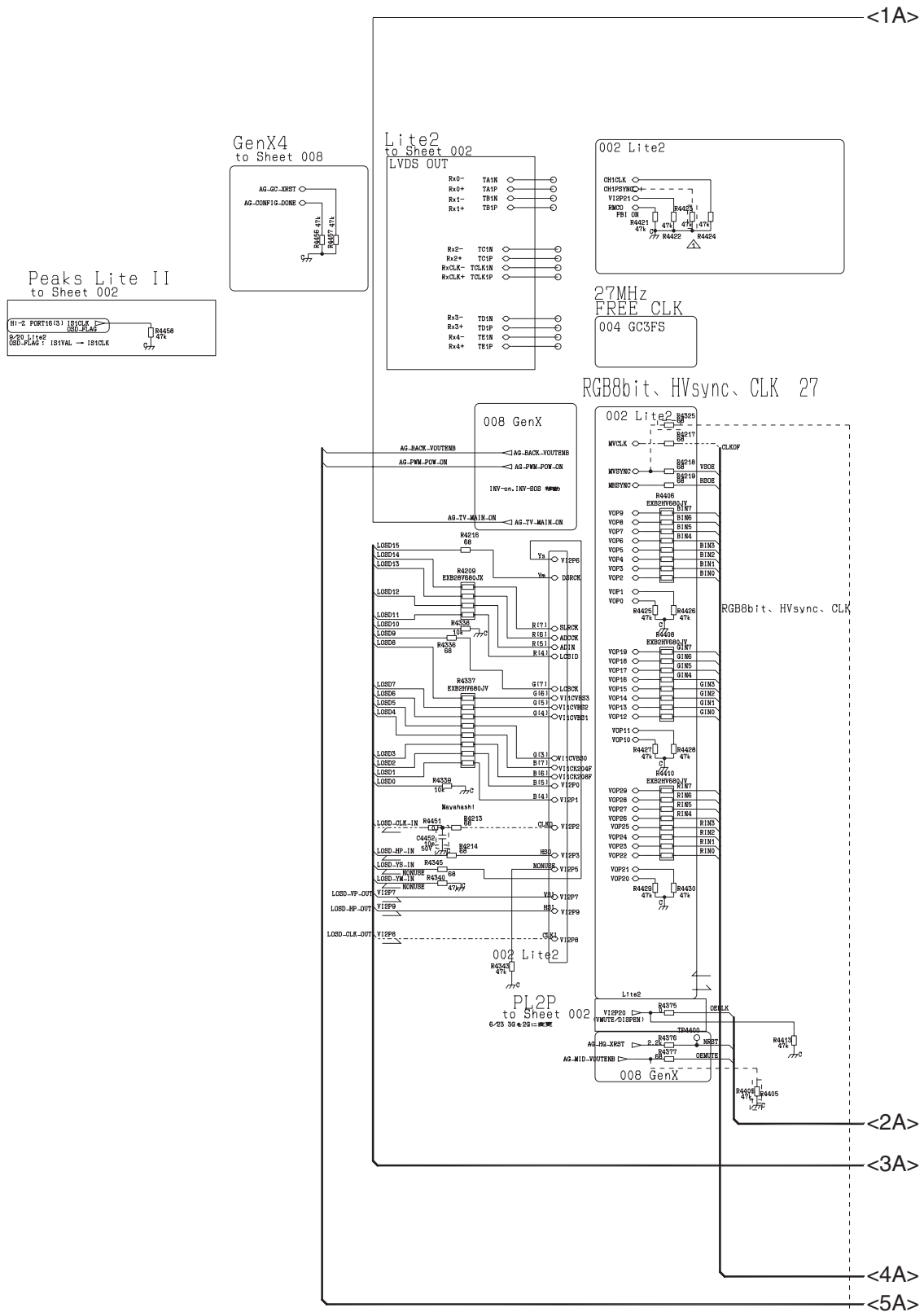
POWER DET



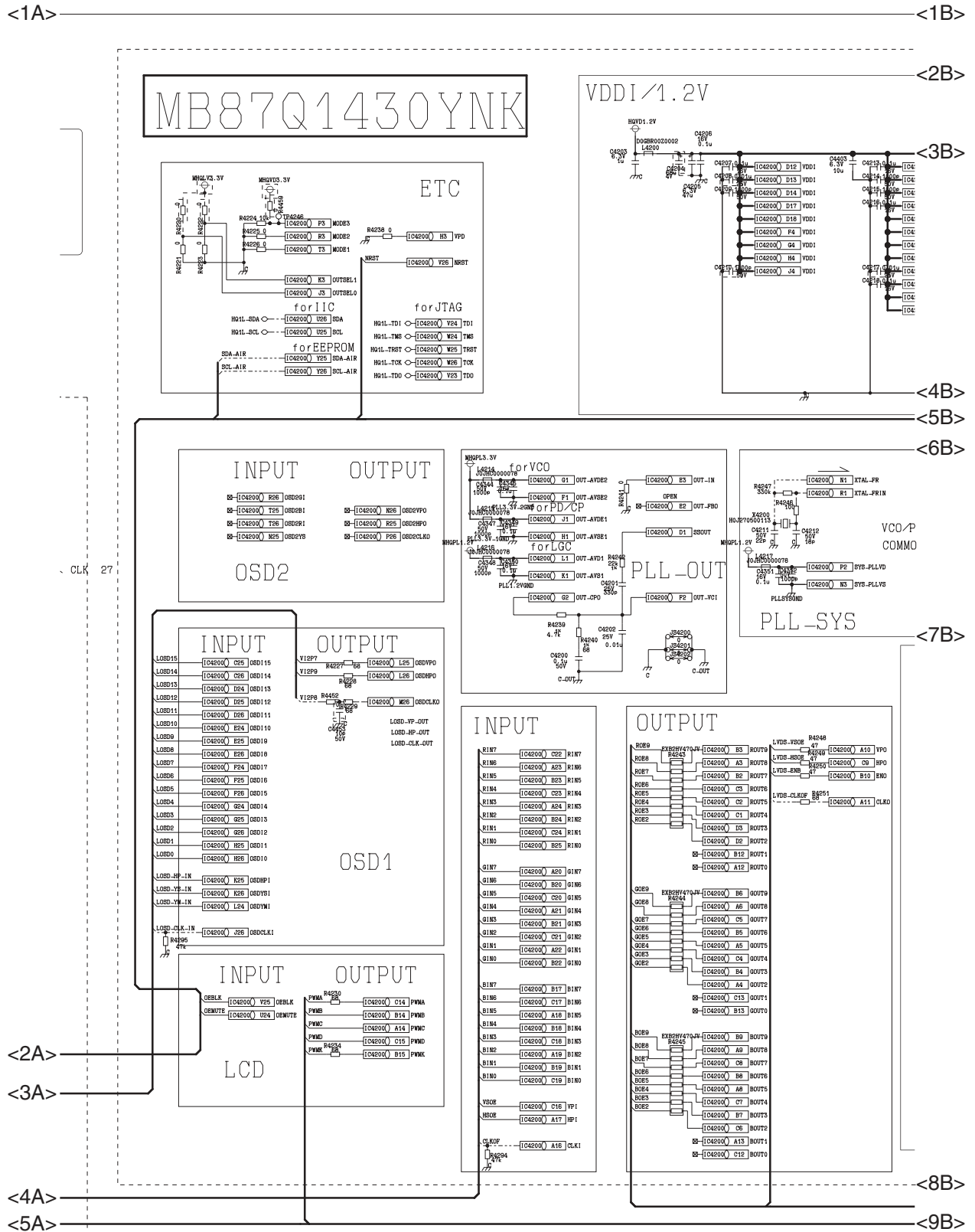
10.2.27. A Board - Sheet : 006 (3 / 3)



10.2.28. A Board - Sheet : 007 (1 / 7)

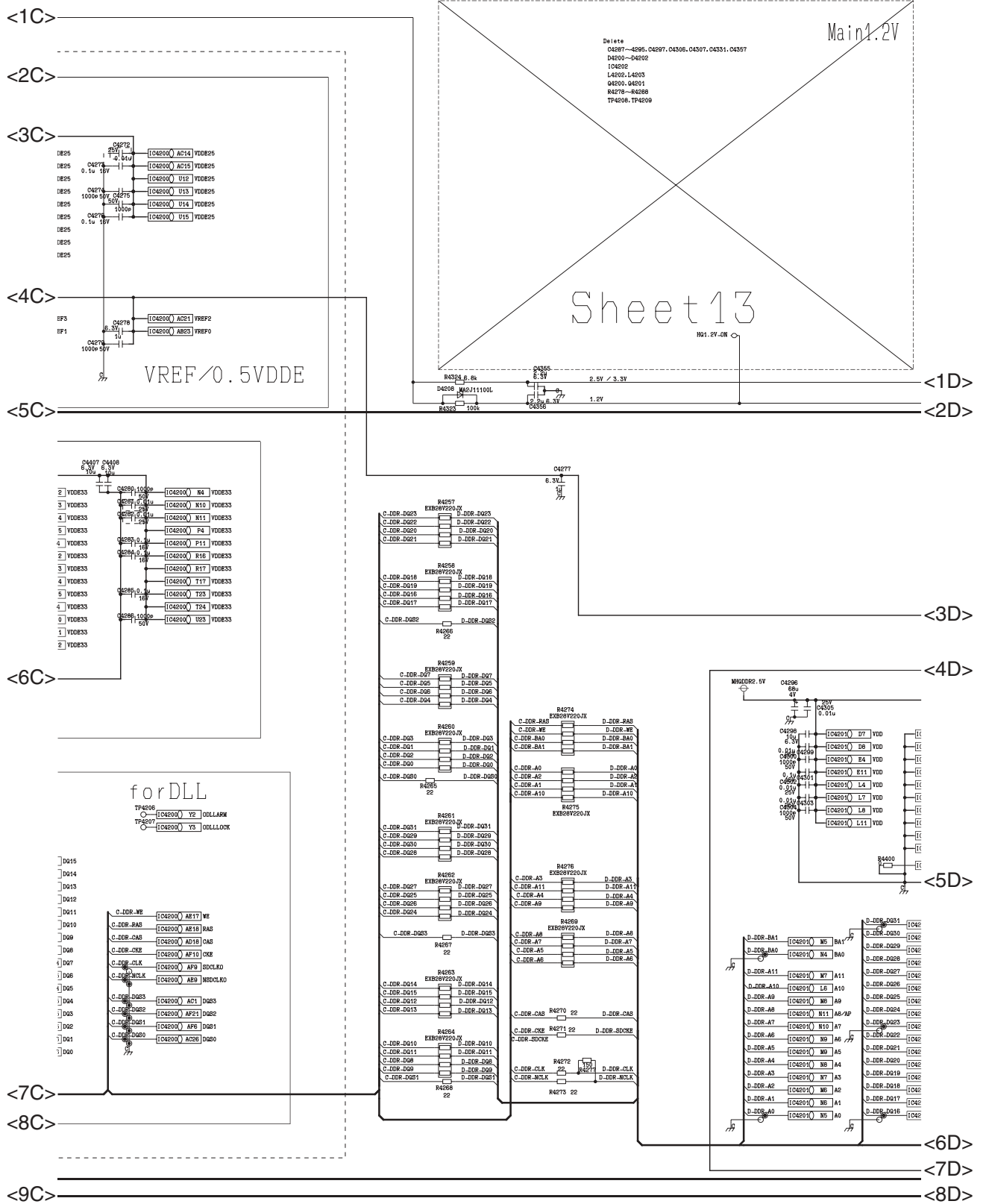


10.2.29. A Board - Sheet : 007 (2 / 7)

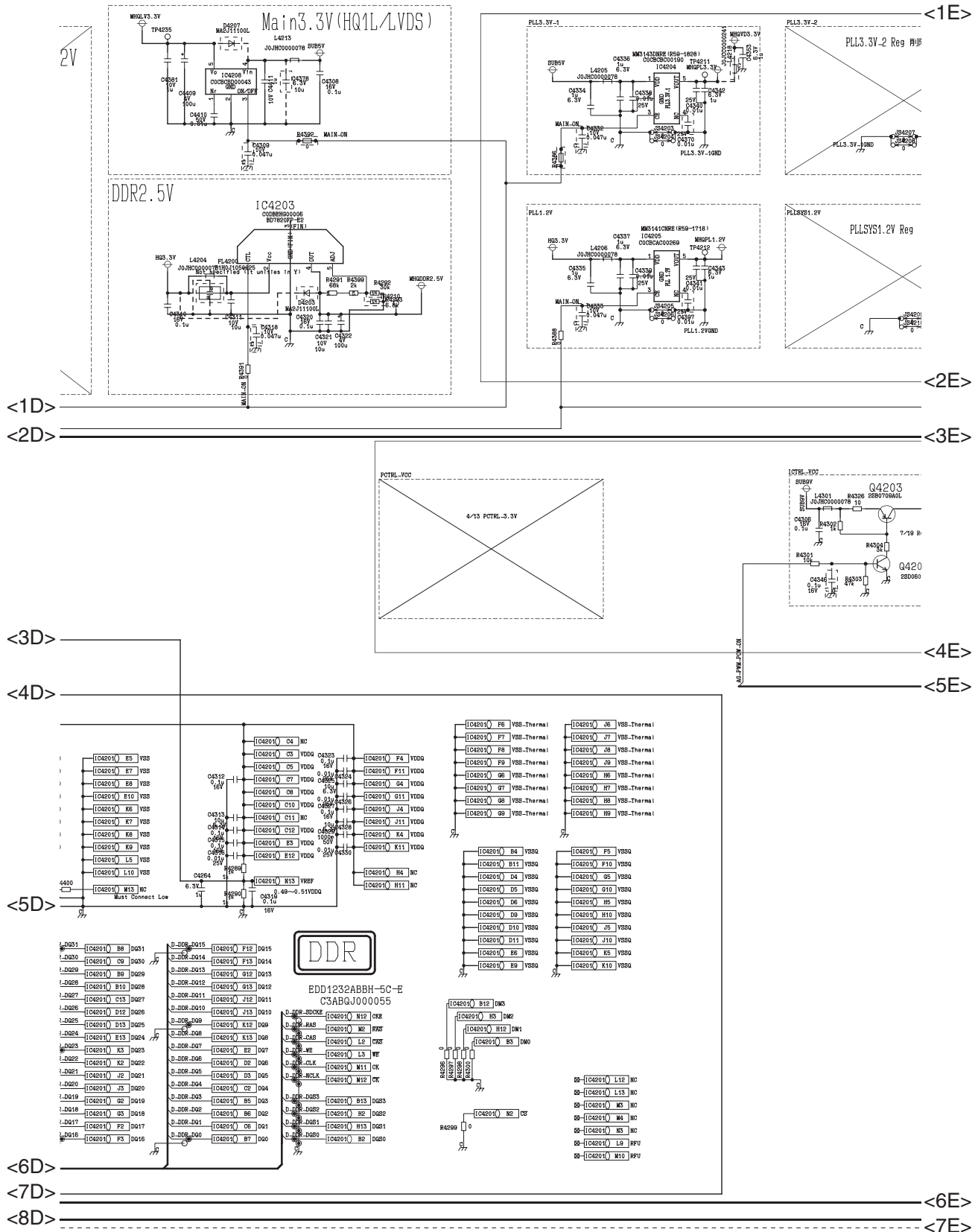




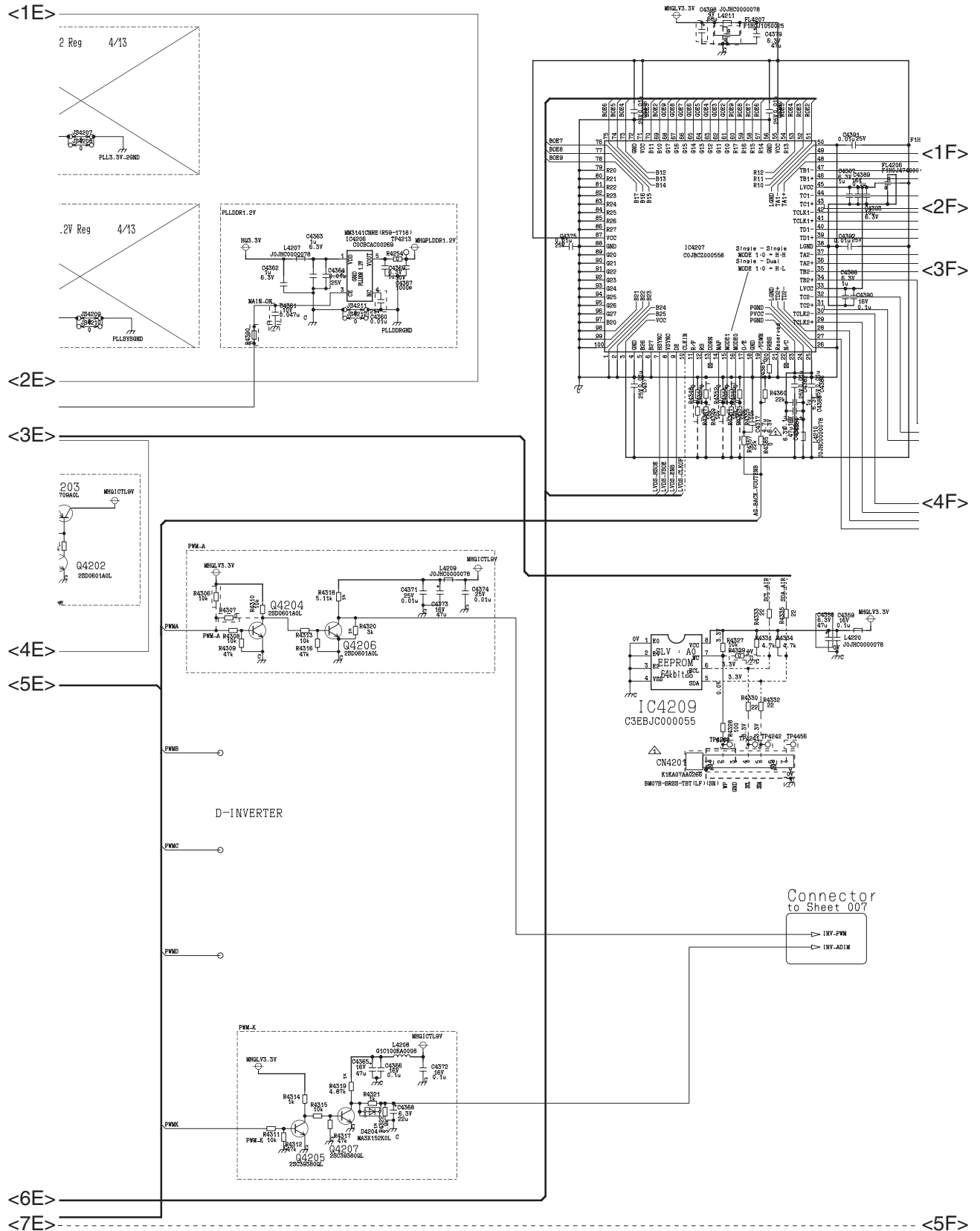
10.2.31. A Board - Sheet : 007 (4 / 7)



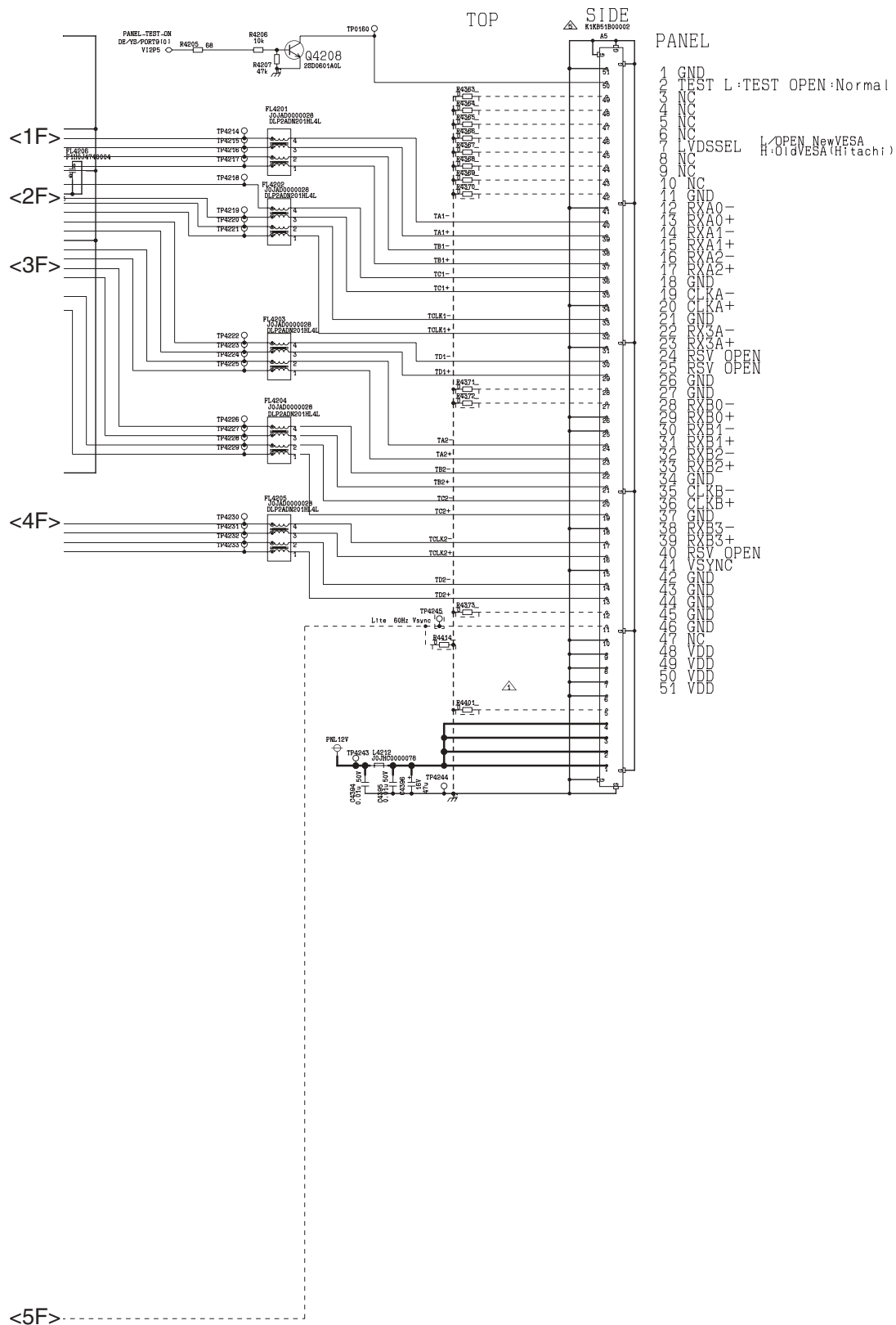
10.2.32. A Board - Sheet : 007 (5 / 7)



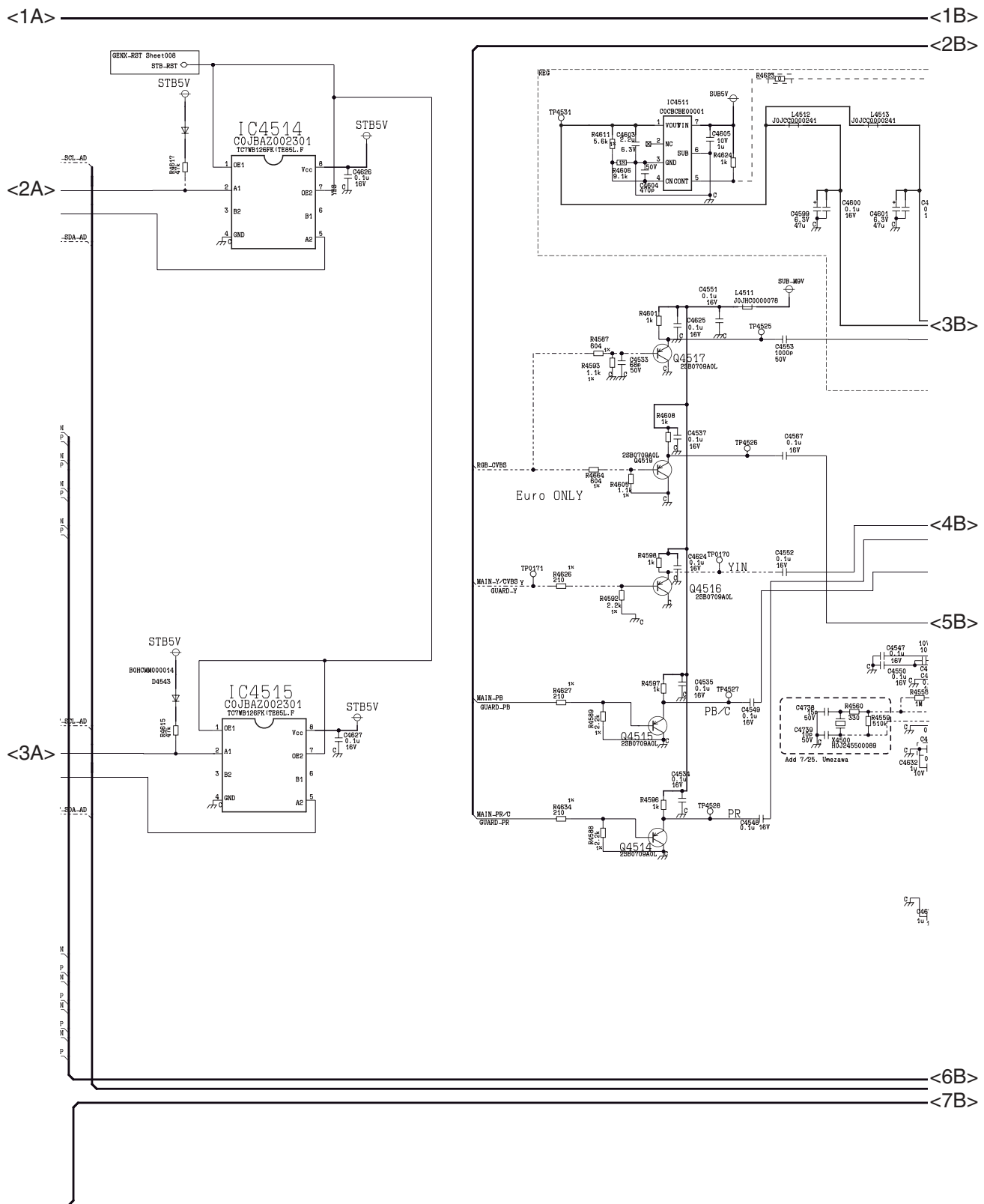
10.2.33. A Board - Sheet : 007 (6 / 7)



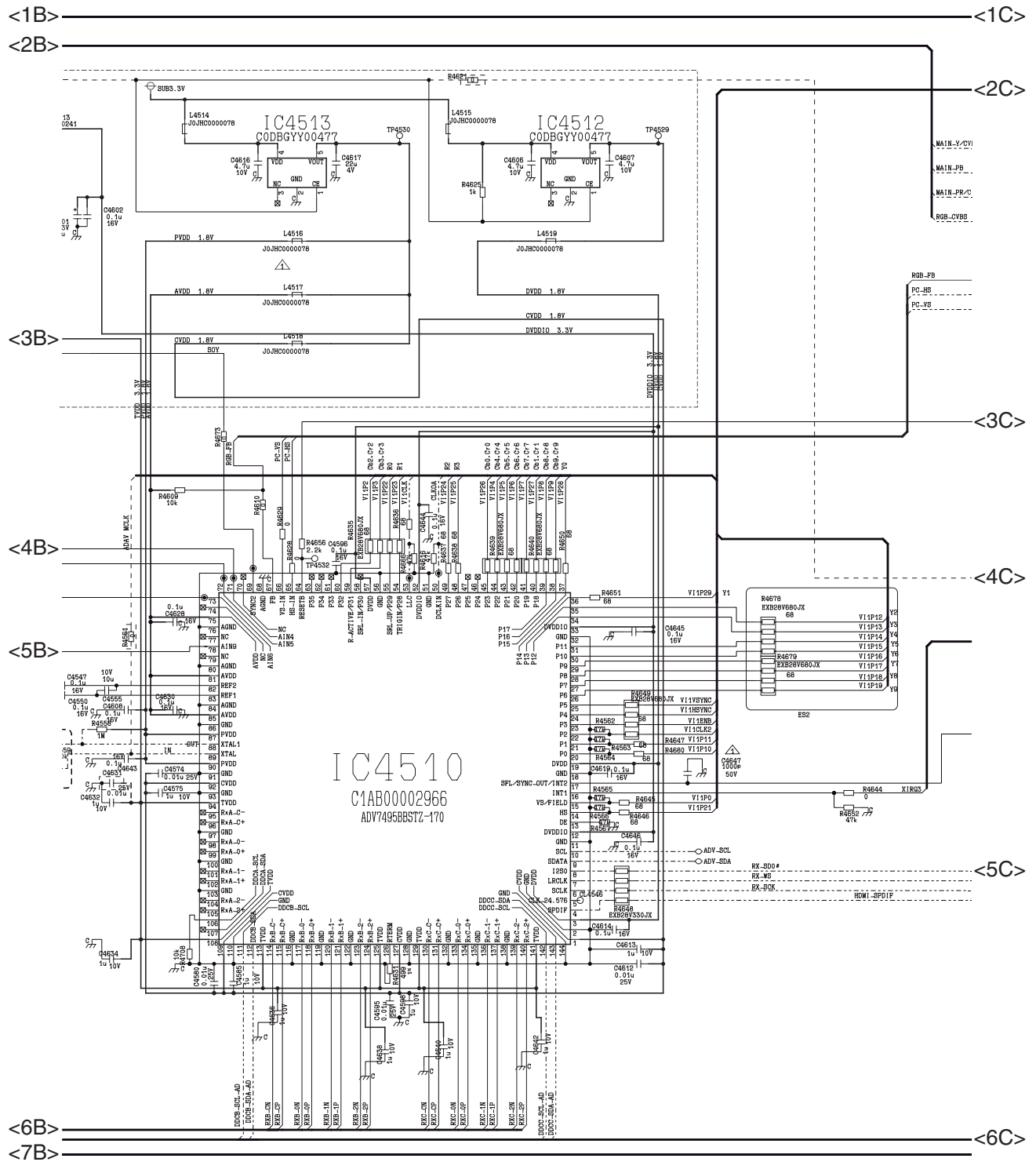
10.2.34. A Board - Sheet : 007 (7 / 7)



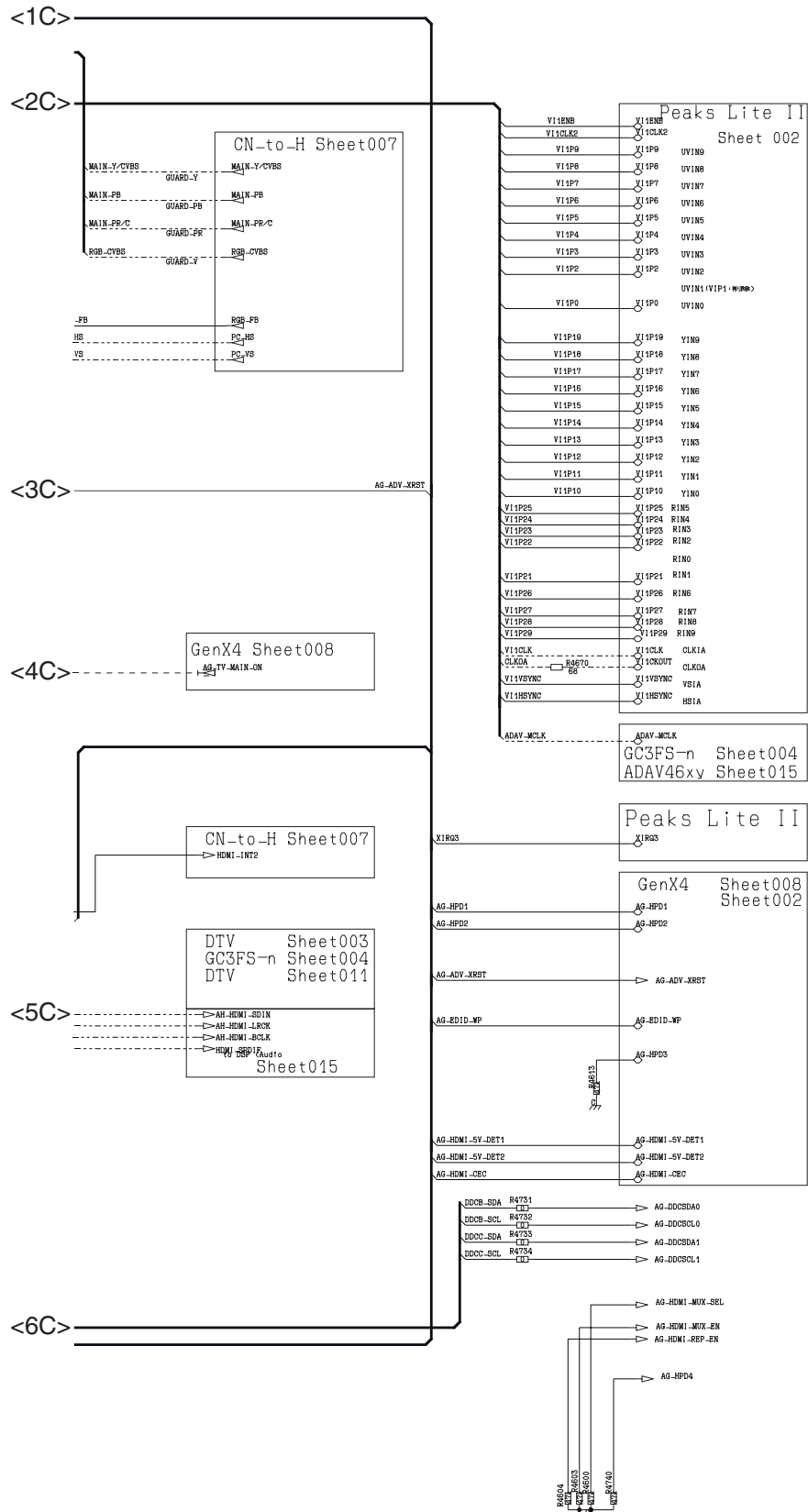
10.2.36. A Board - Sheet : 008 (2 / 4)



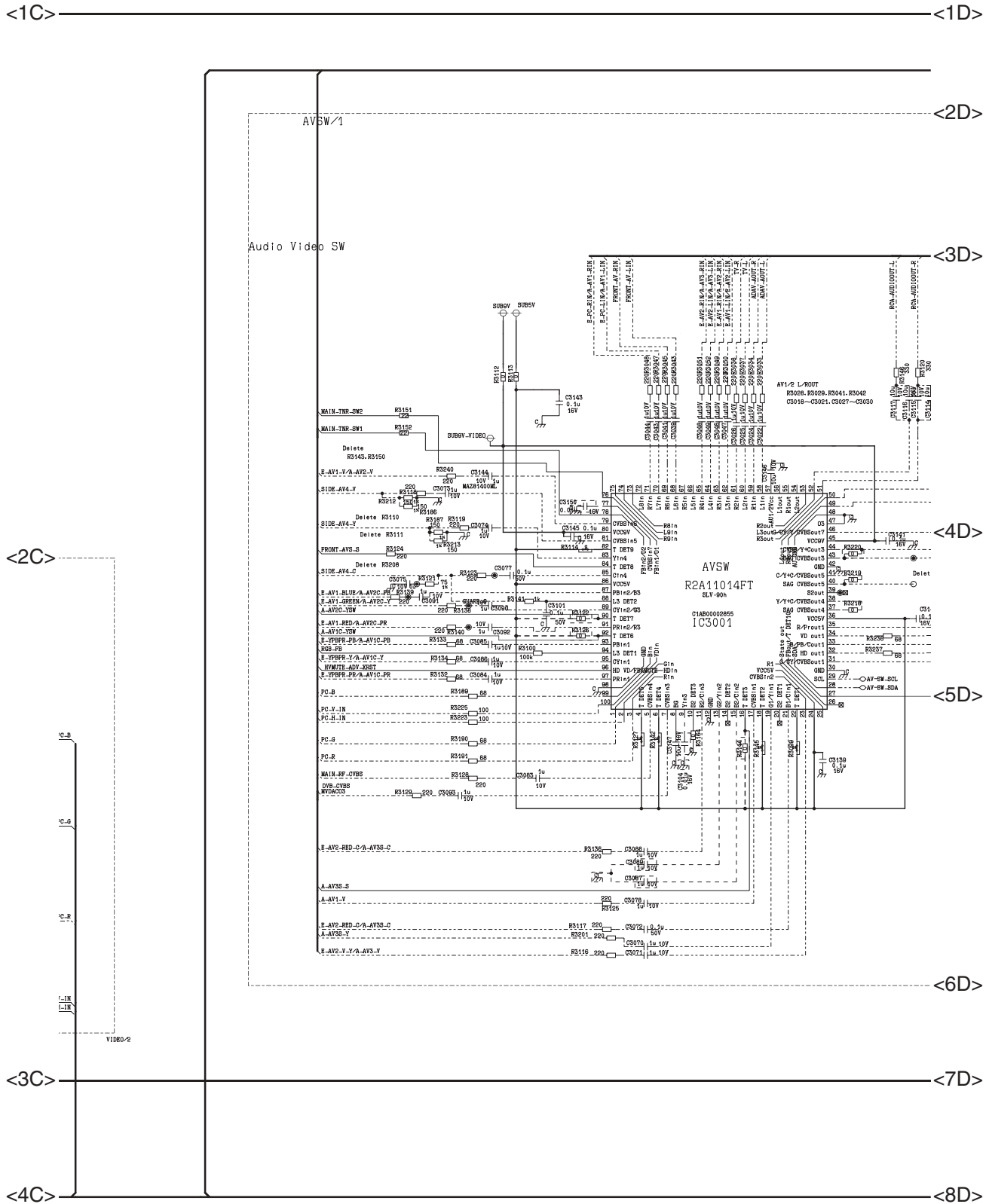
10.2.37. A Board - Sheet : 008 (3 / 4)



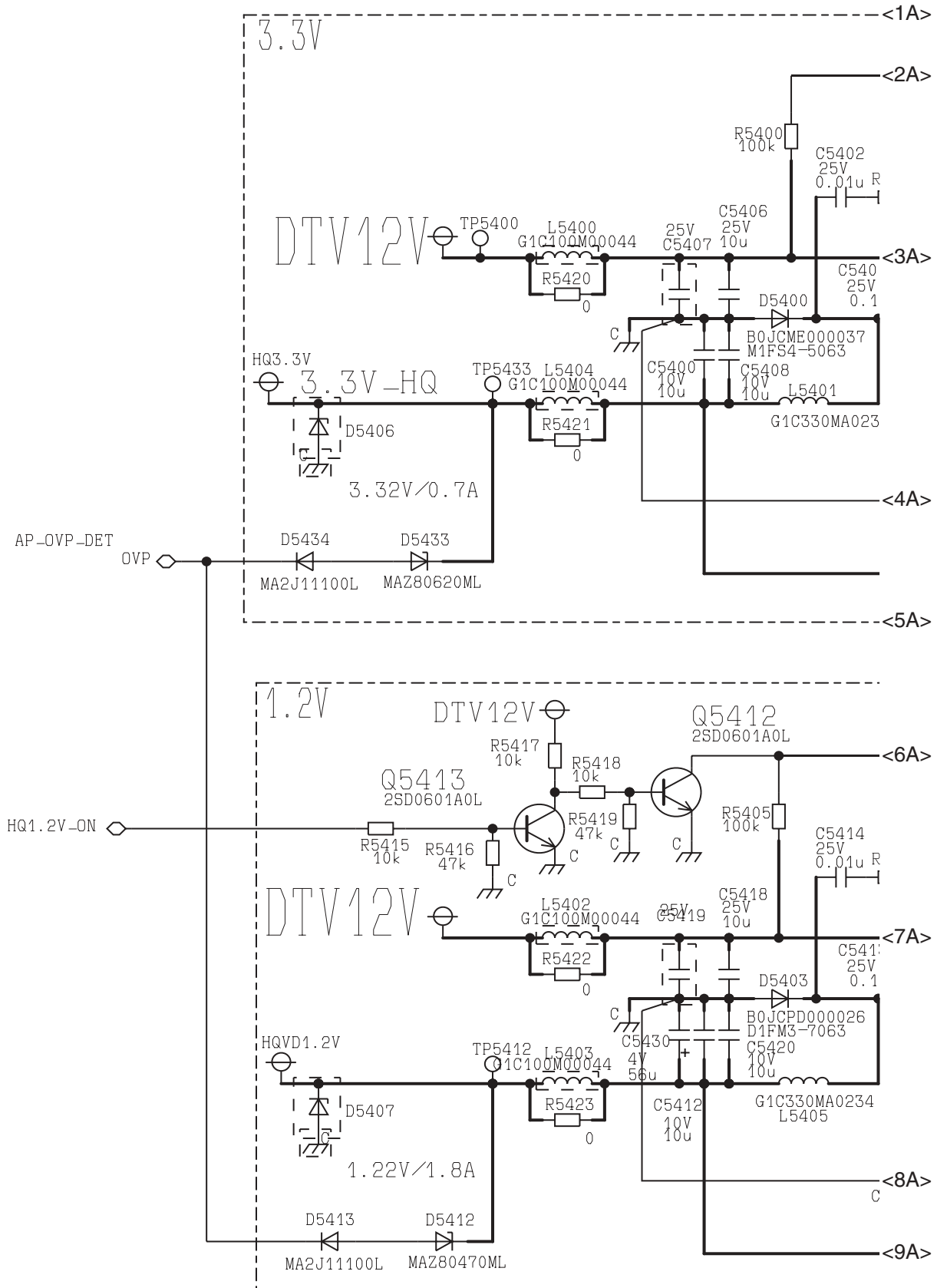
10.2.38. A Board - Sheet : 008 (4 / 4)



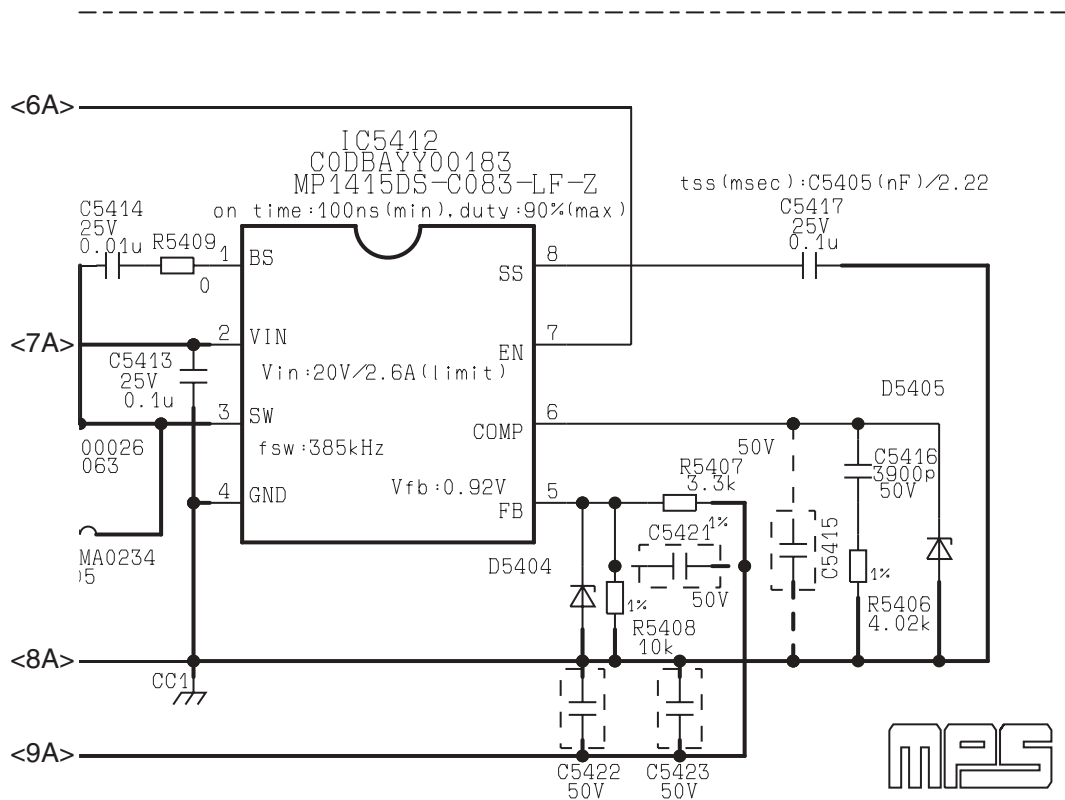
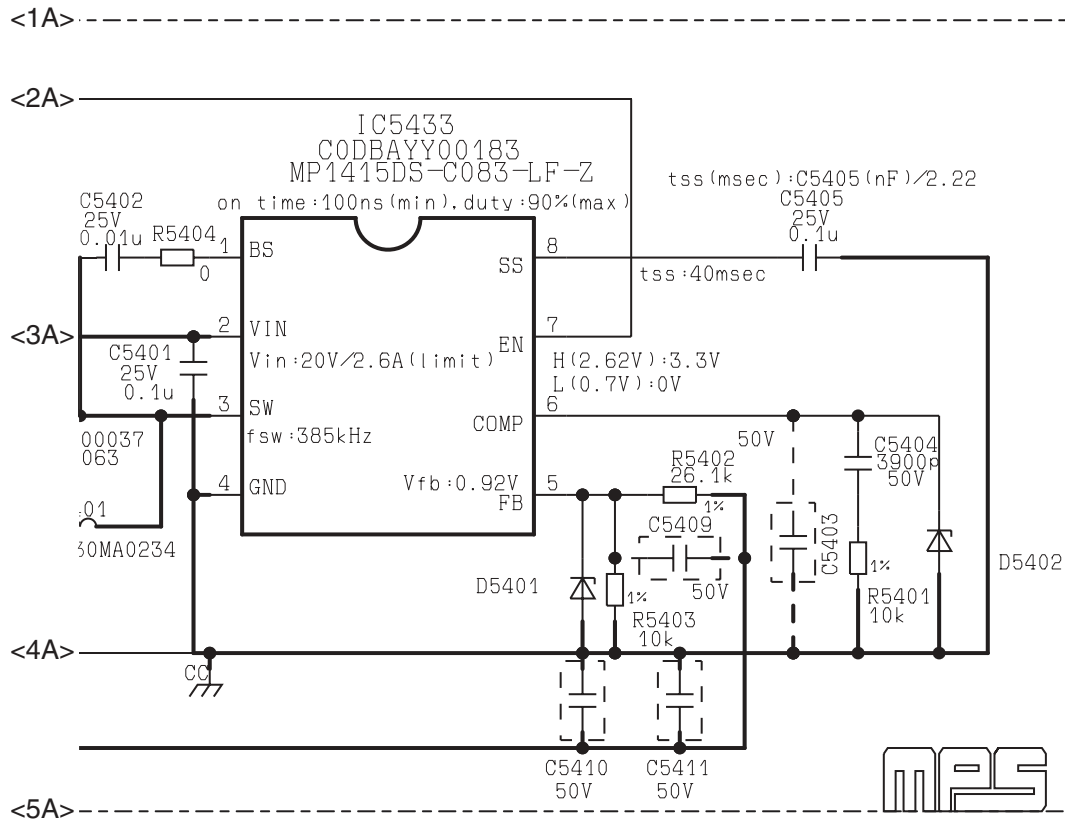
10.2.42. A Board - Sheet : 009 (4 / 5)



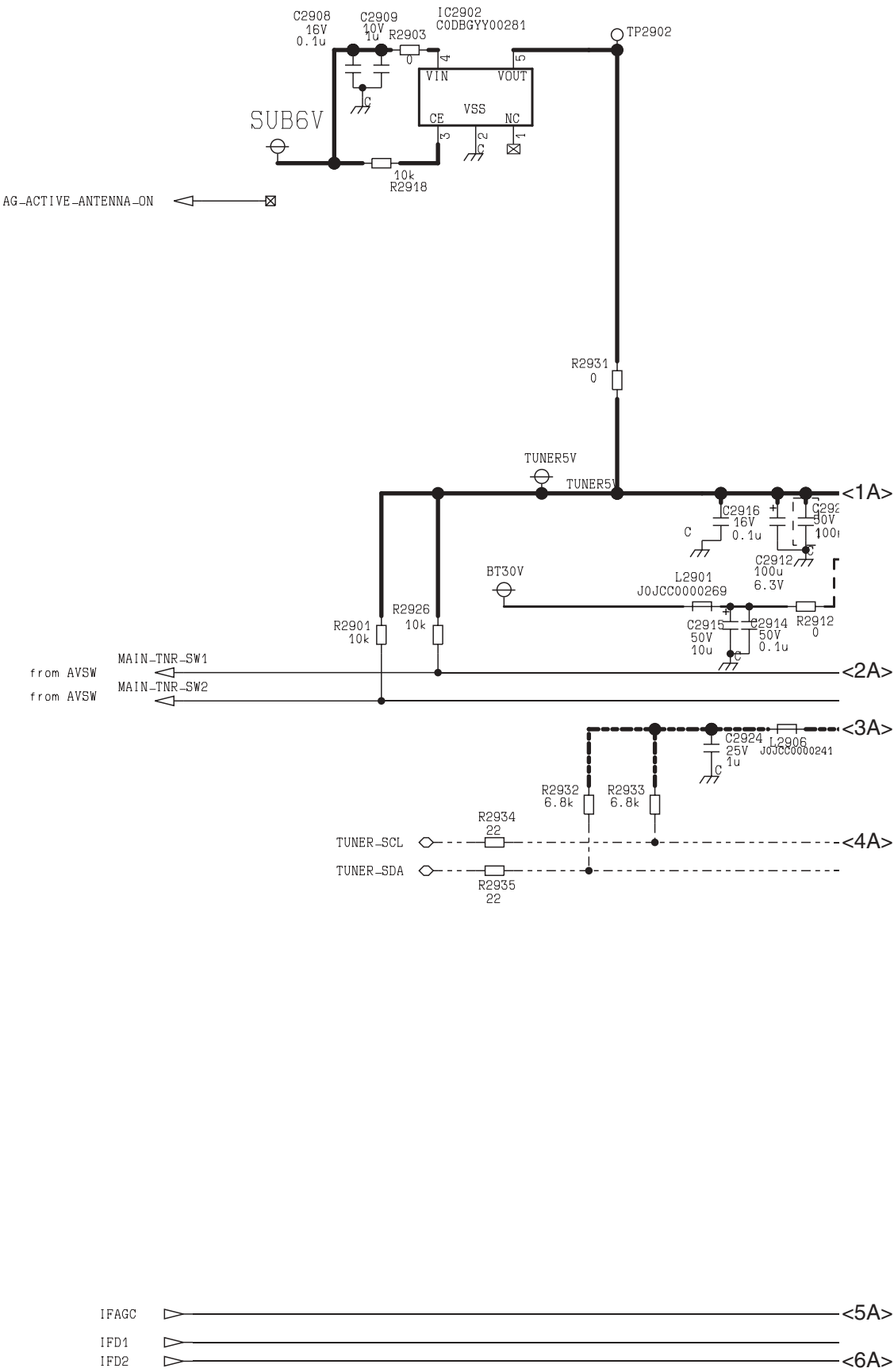
10.2.44. A Board - Sheet : 010 (1 / 2)



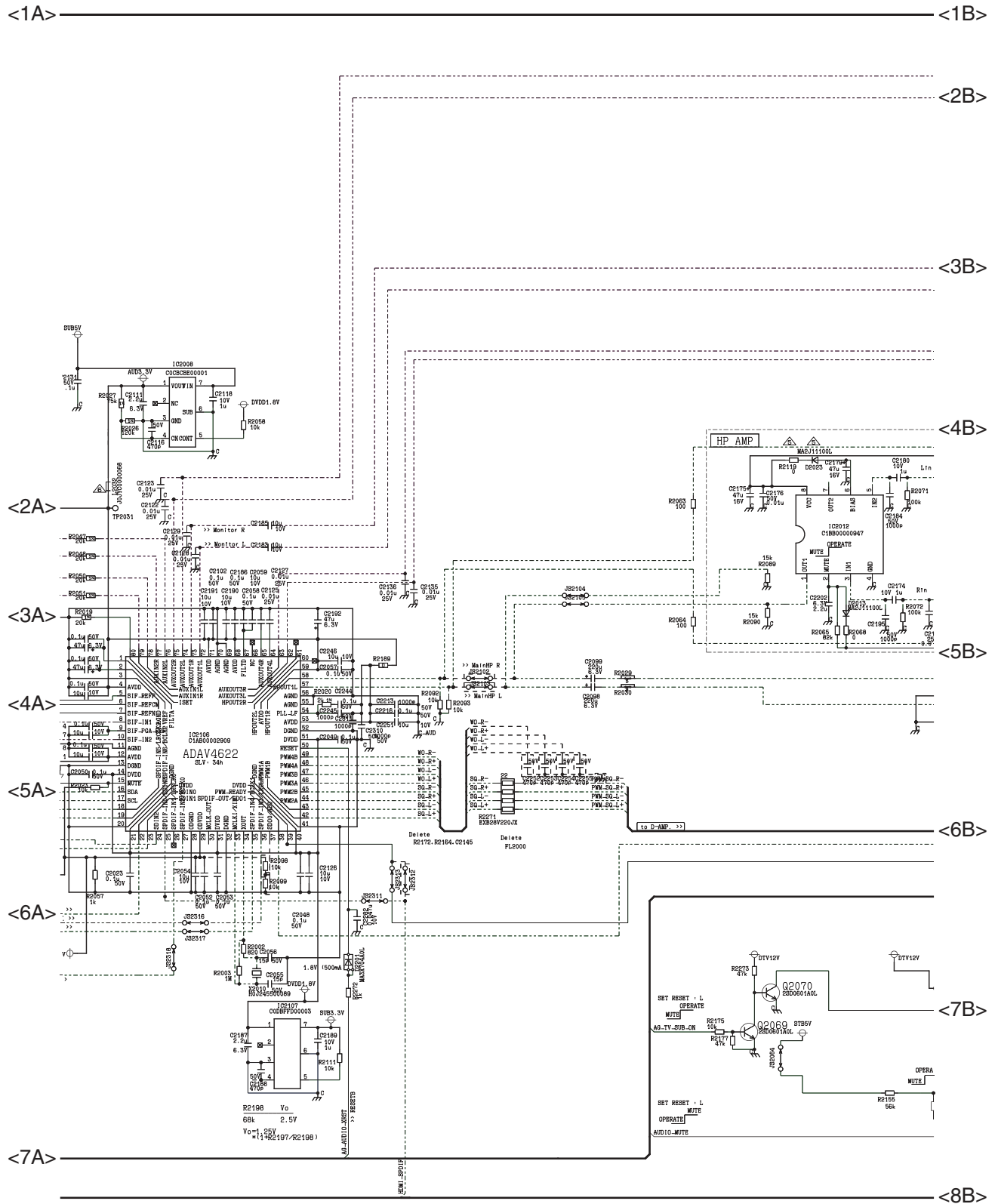
10.2.45. A Board - Sheet : 010 (2 / 2)



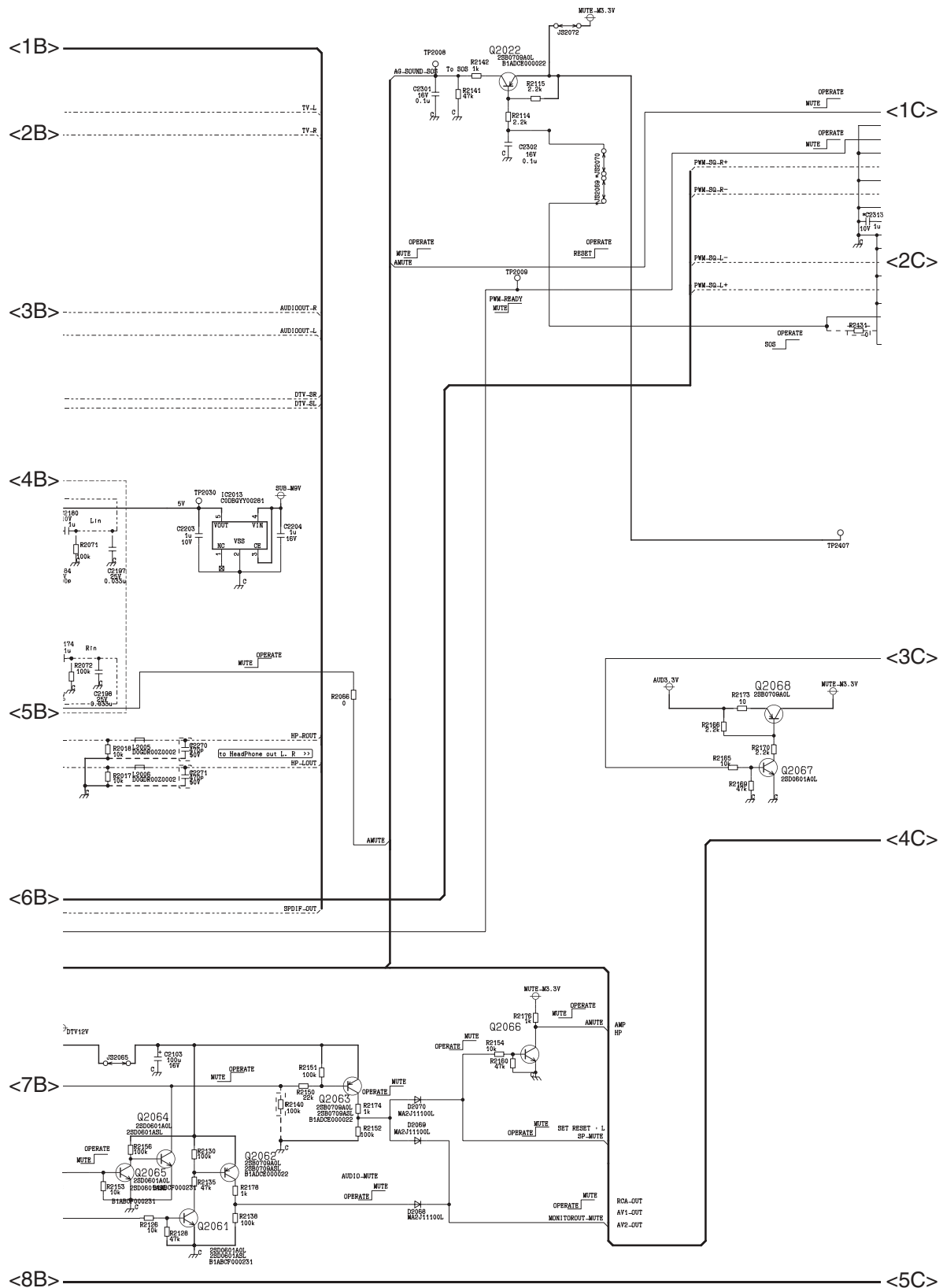
10.2.46. A Board - Sheet : 011 (1 / 2)



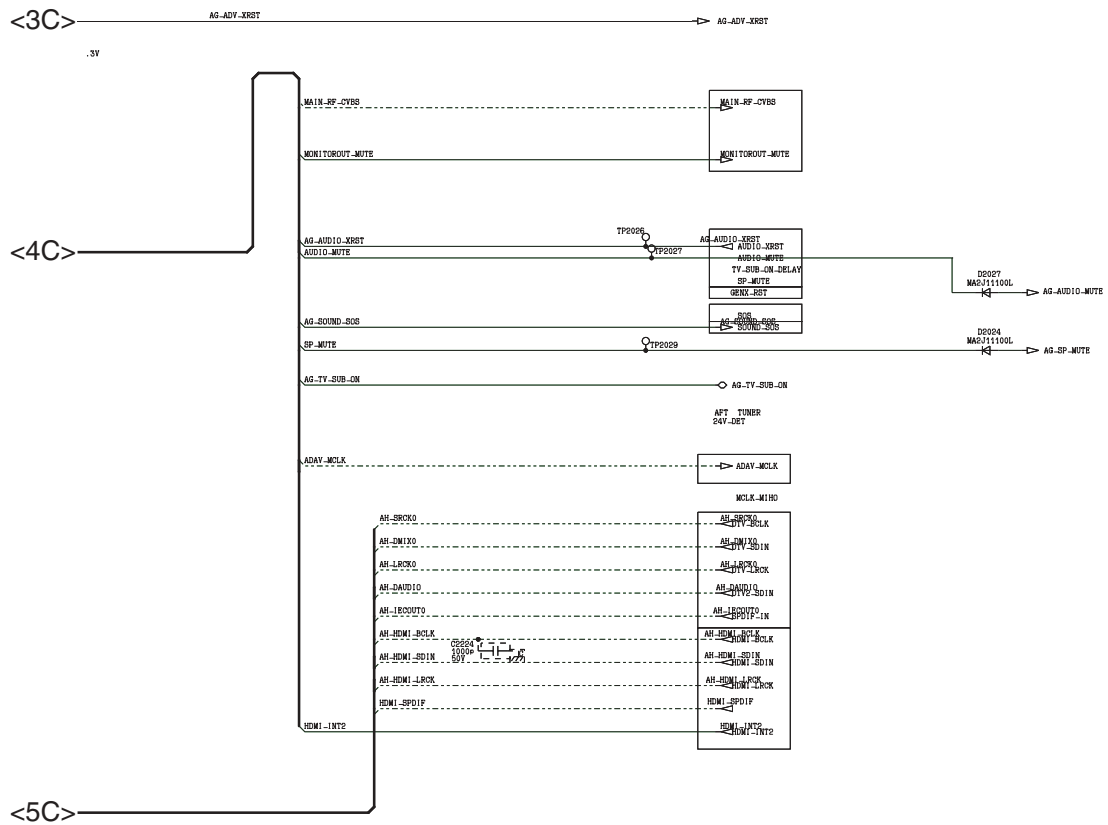
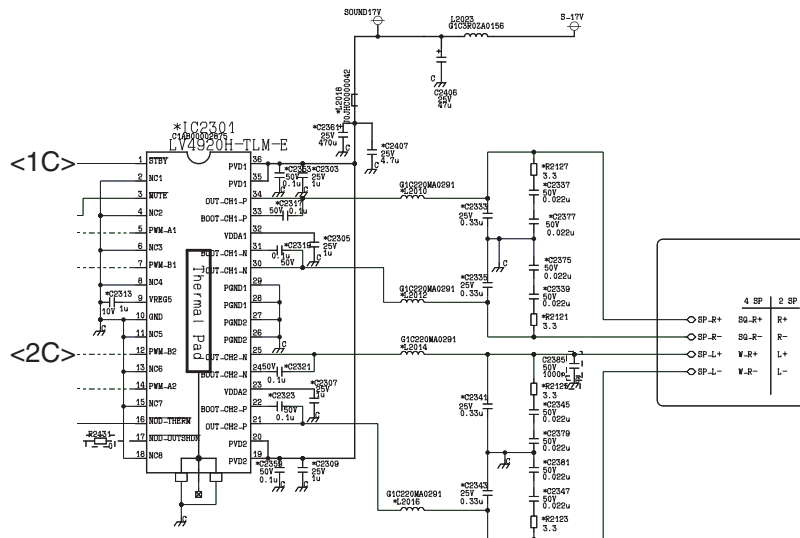
10.2.49. A Board - Sheet : 012 (2 / 4)



10.2.50. A Board - Sheet : 012 (3 / 4)

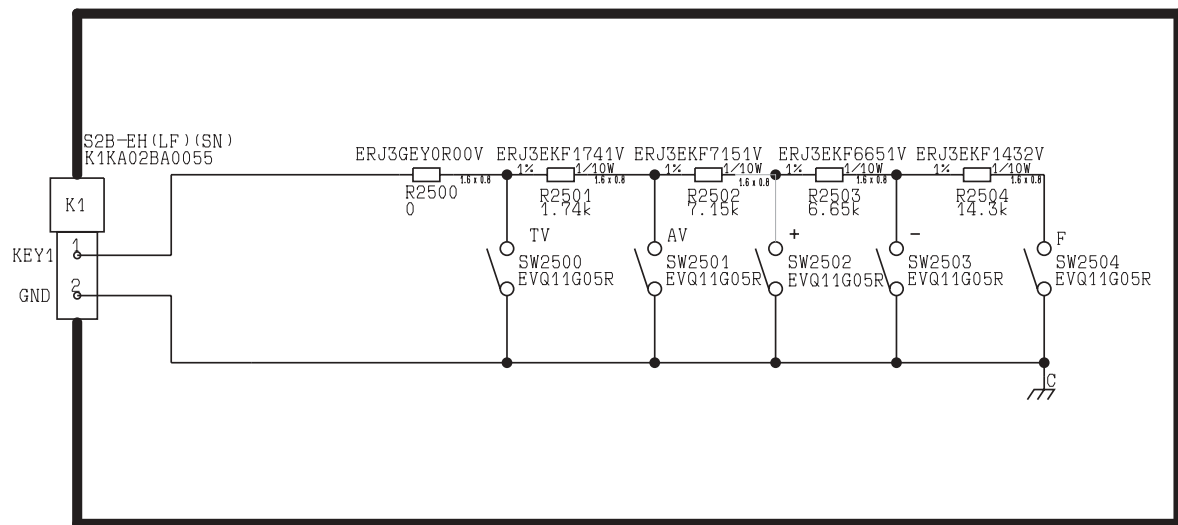


10.2.51. A Board - Sheet : 012 (4 / 4)



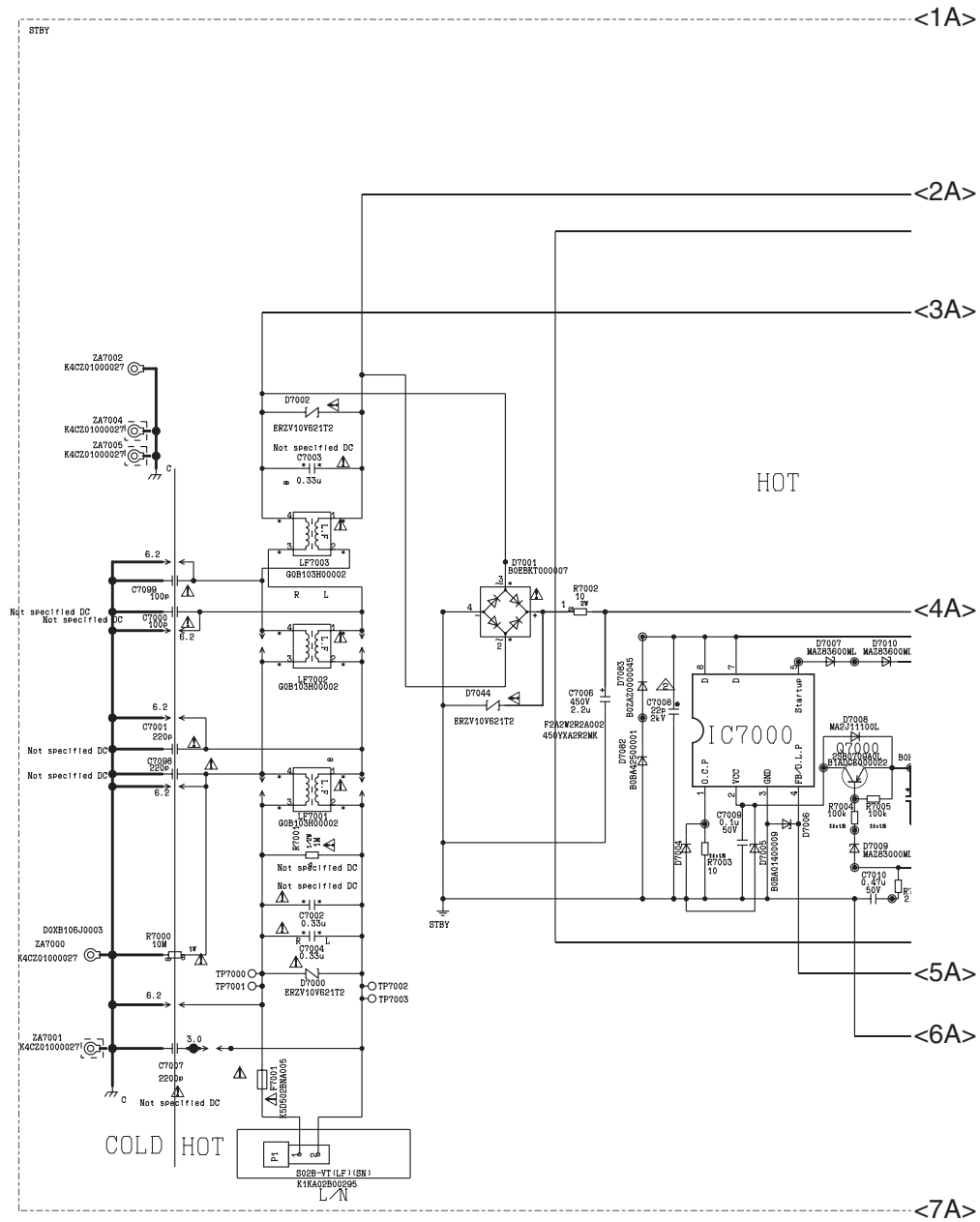
10.3. K Board

10.3.1. K Board (1 / 1)

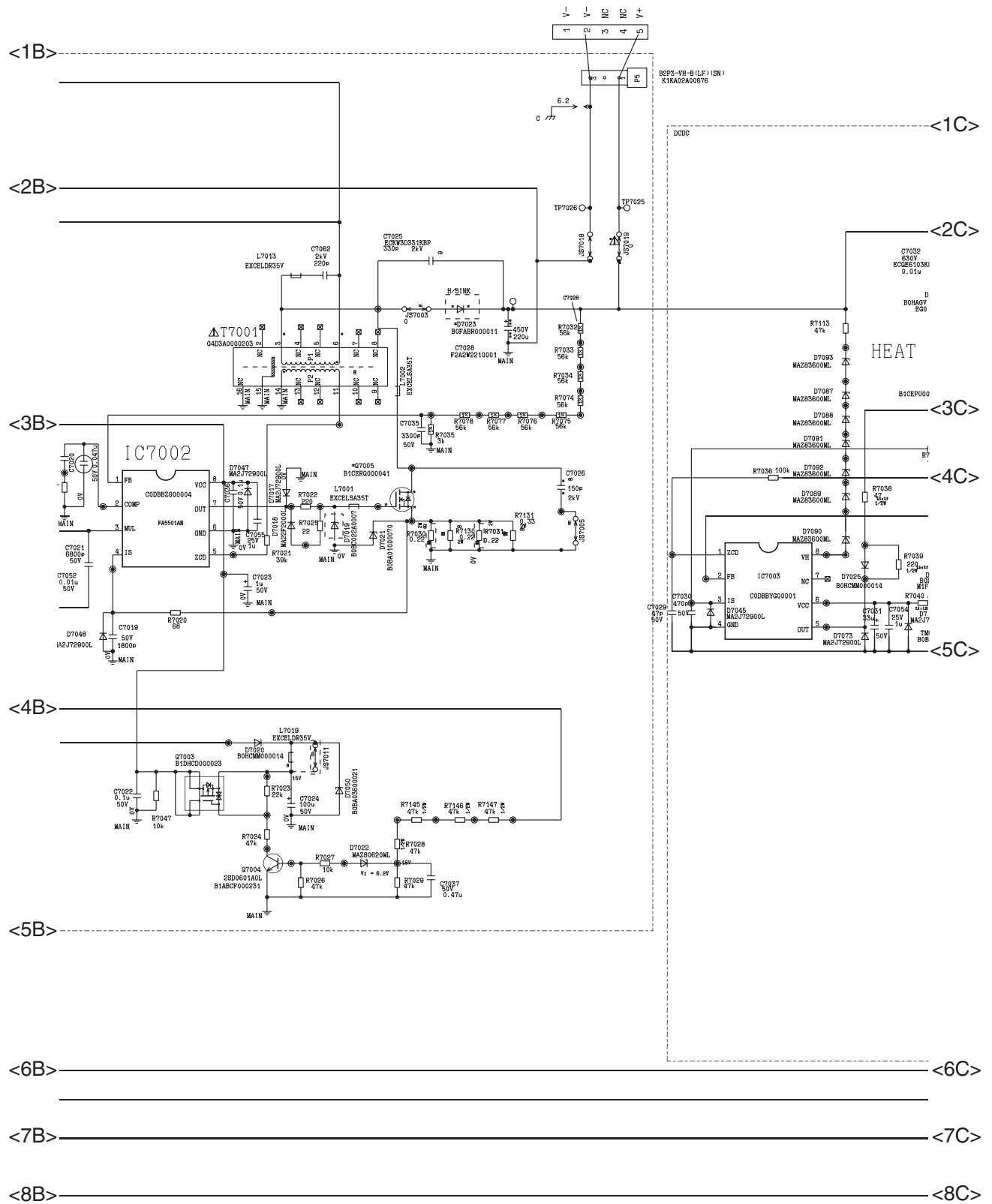


10.4. P Board

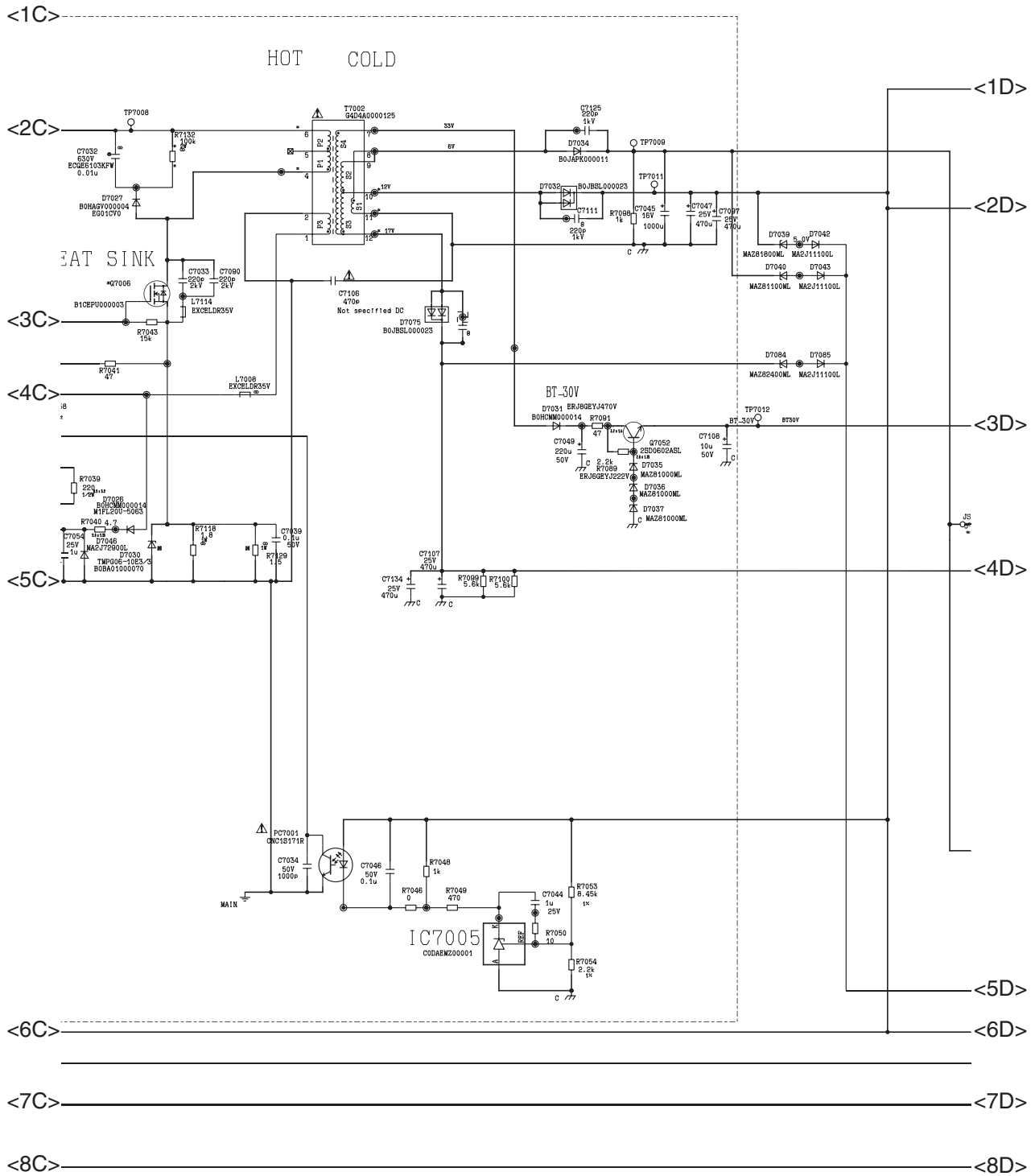
10.4.1. P Board (1 / 7)



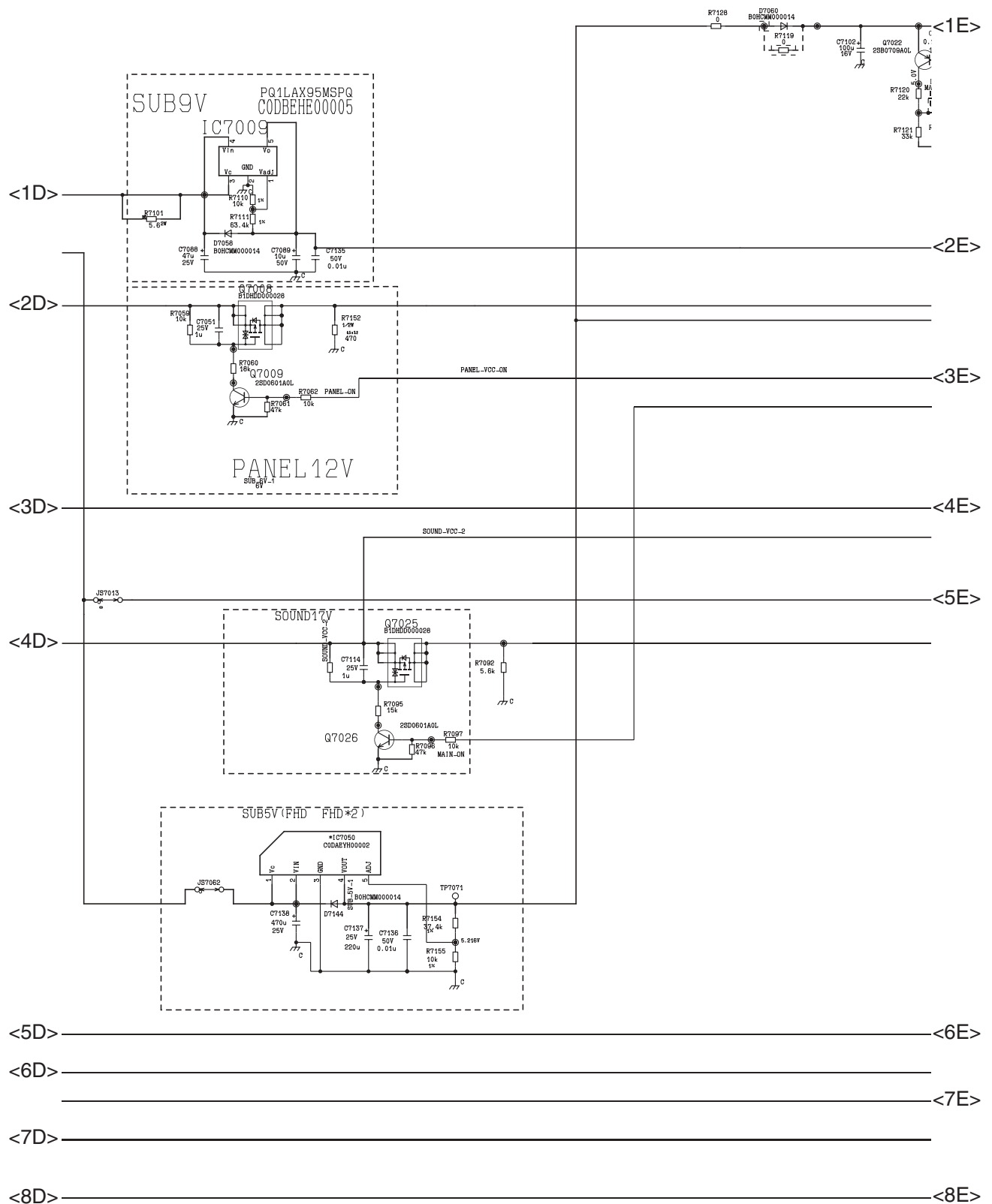
10.4.3. P Board (3 / 7)



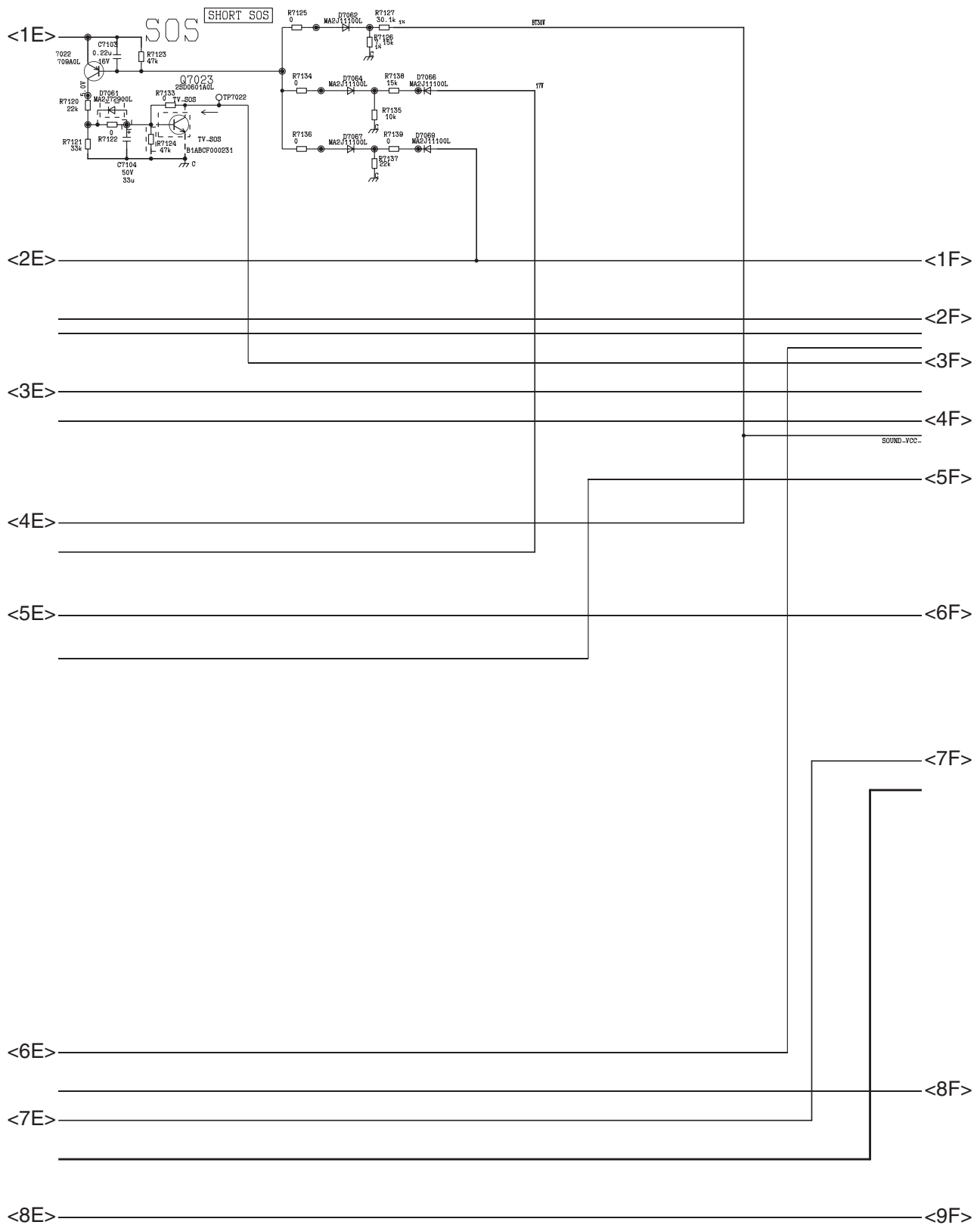
10.4.4. P Board (4 / 7)



10.4.5. P Board (5 / 7)

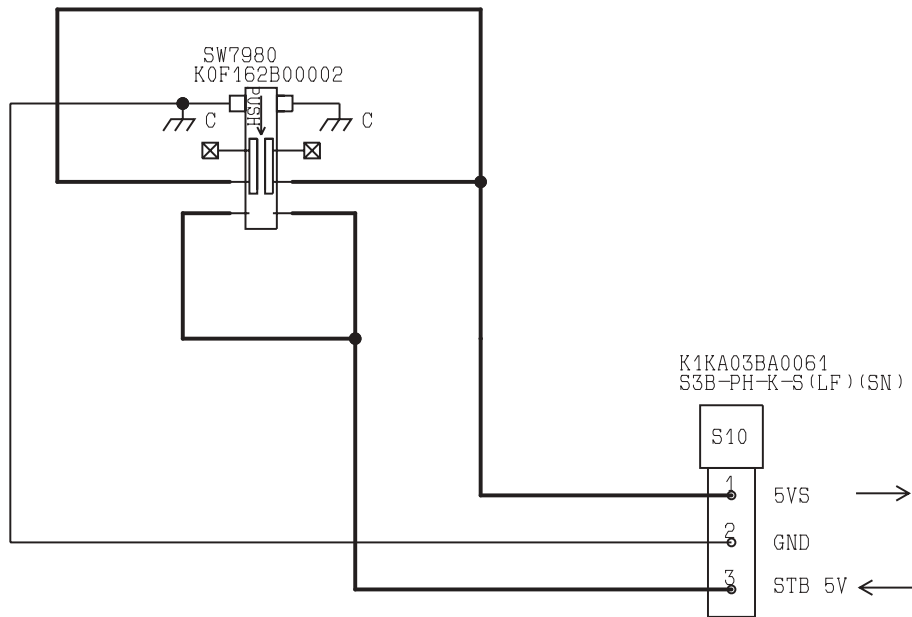


10.4.6. P Board (6 / 7)



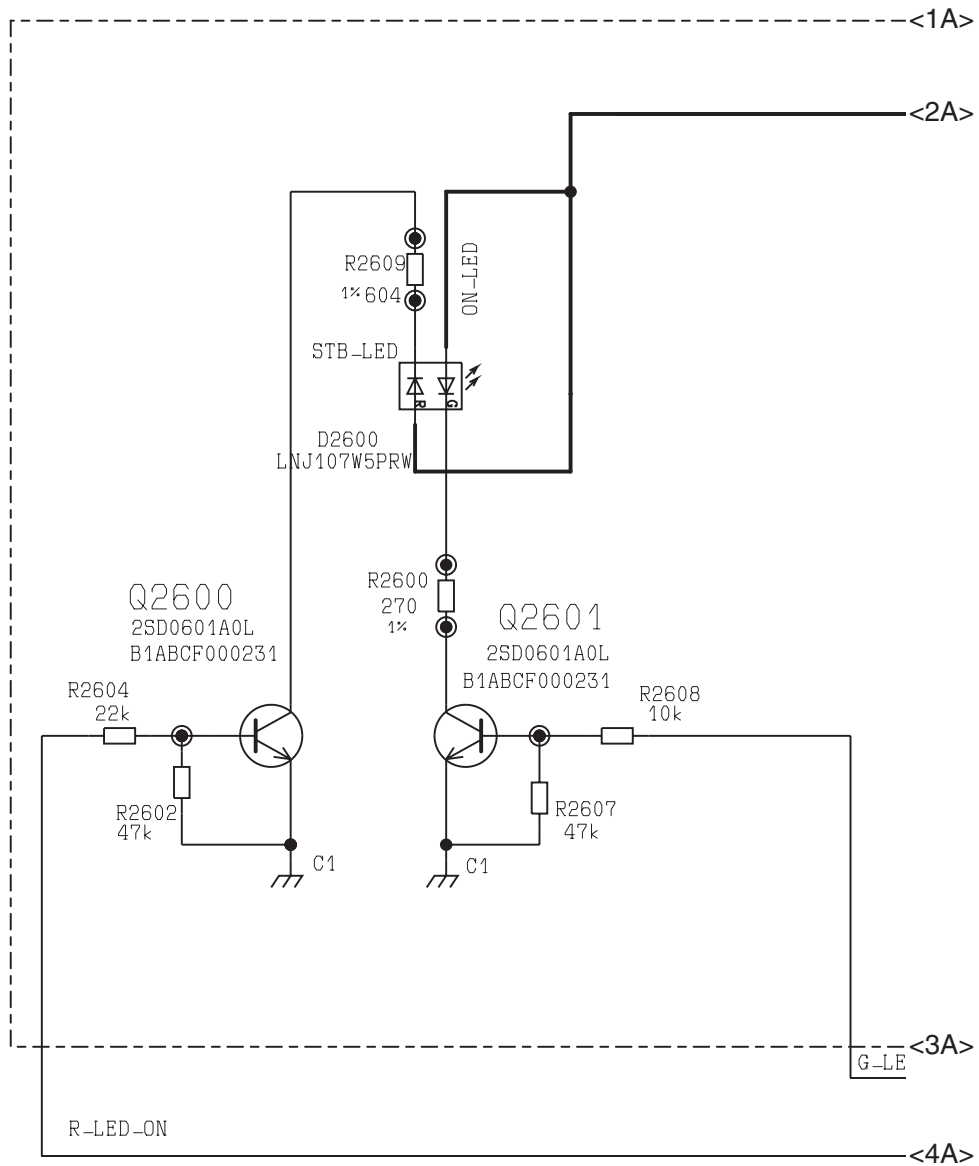
10.5. S Board

10.5.1. S Board (1 / 1)

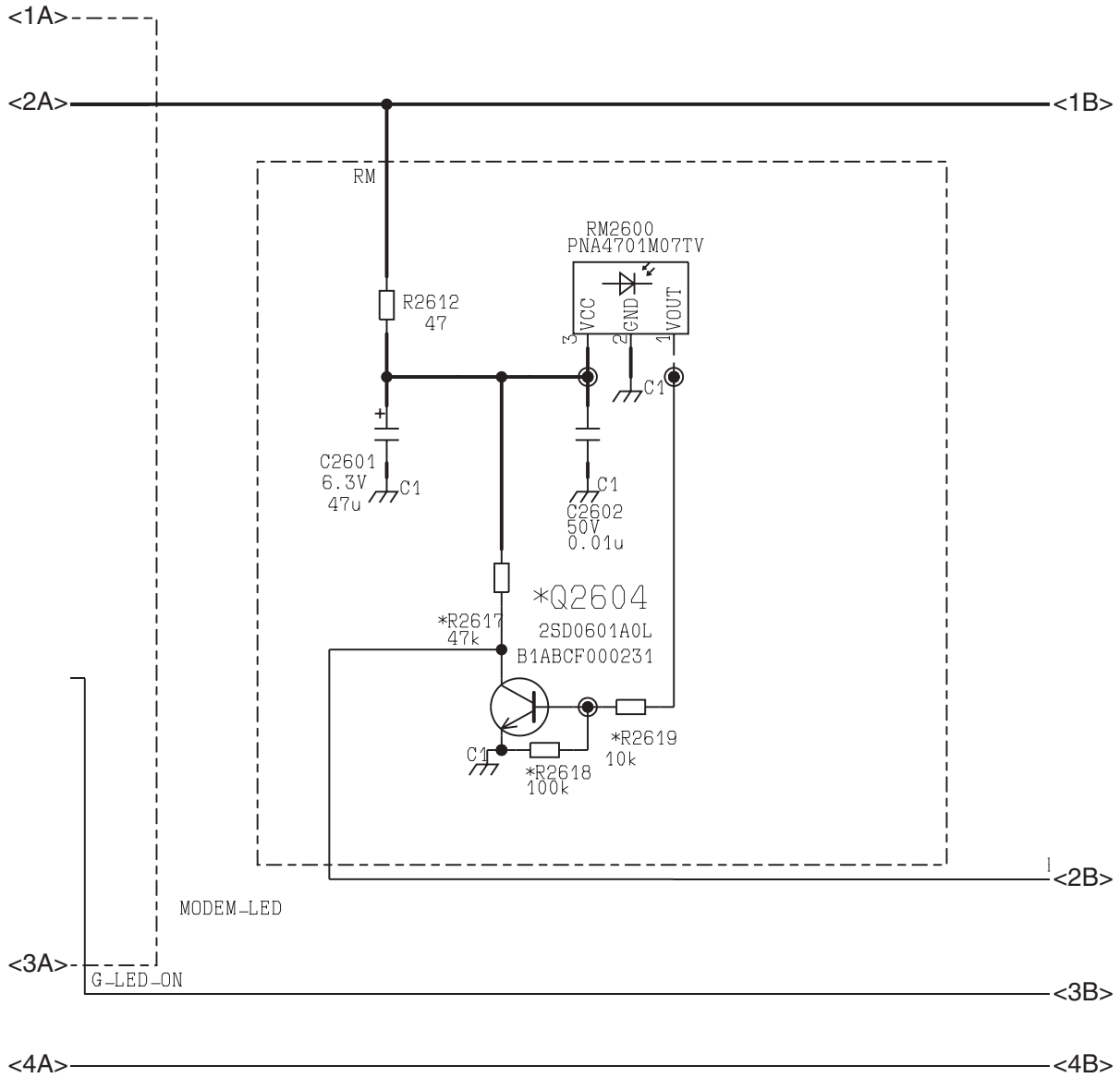


10.6. V Board

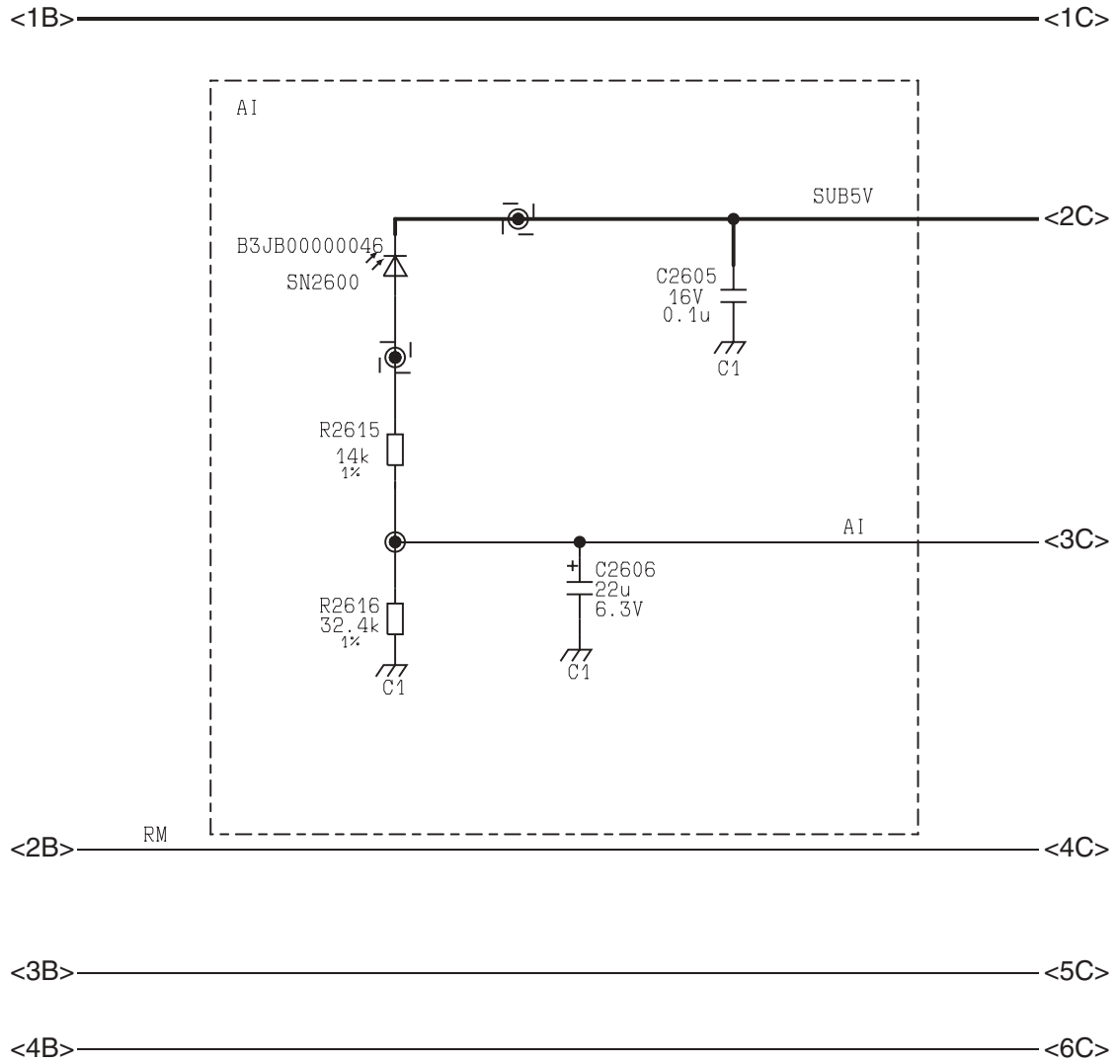
10.6.1. V Board (1 / 4)



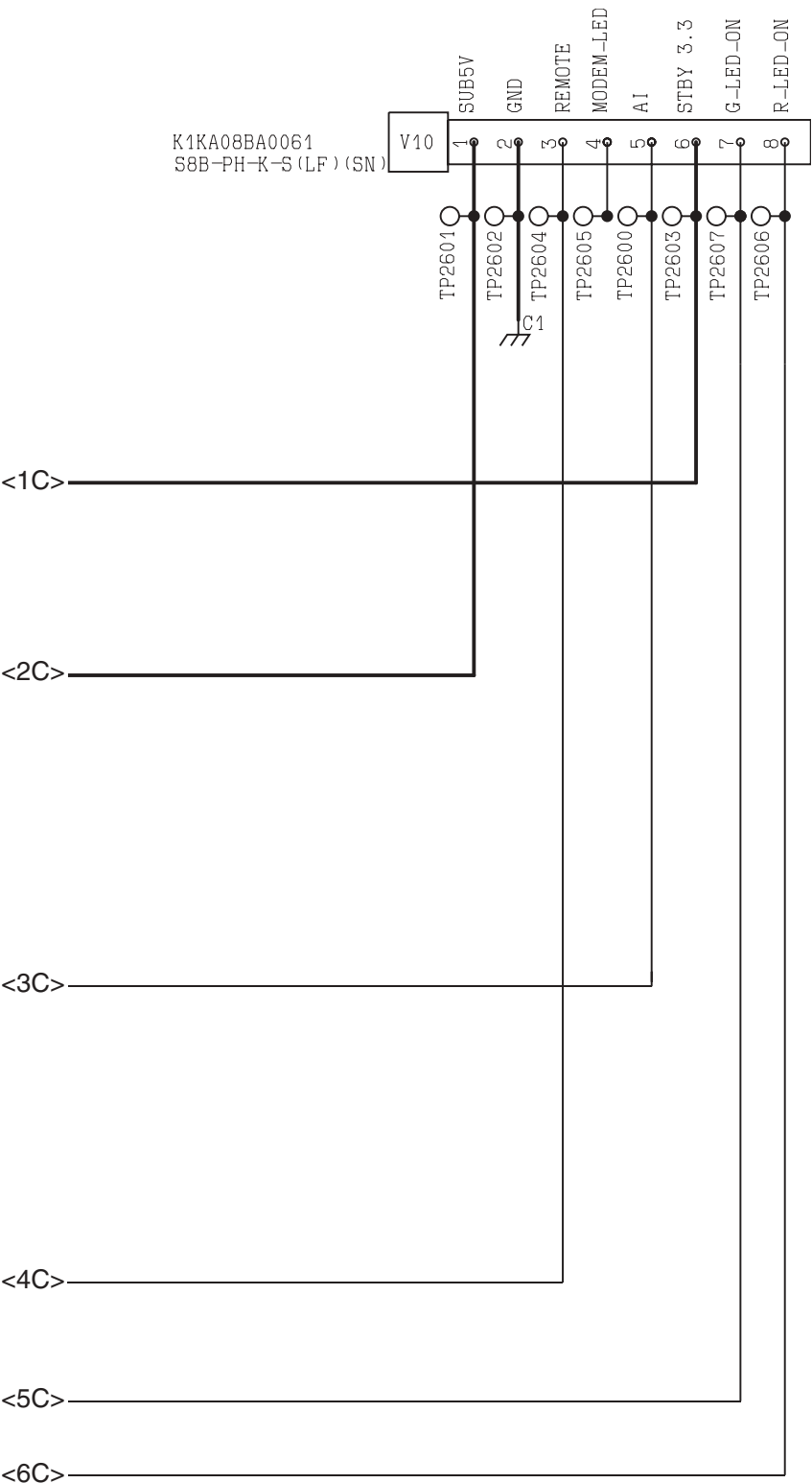
10.6.2. V Board (2 / 4)



10.6.3. V Board (3 / 4)

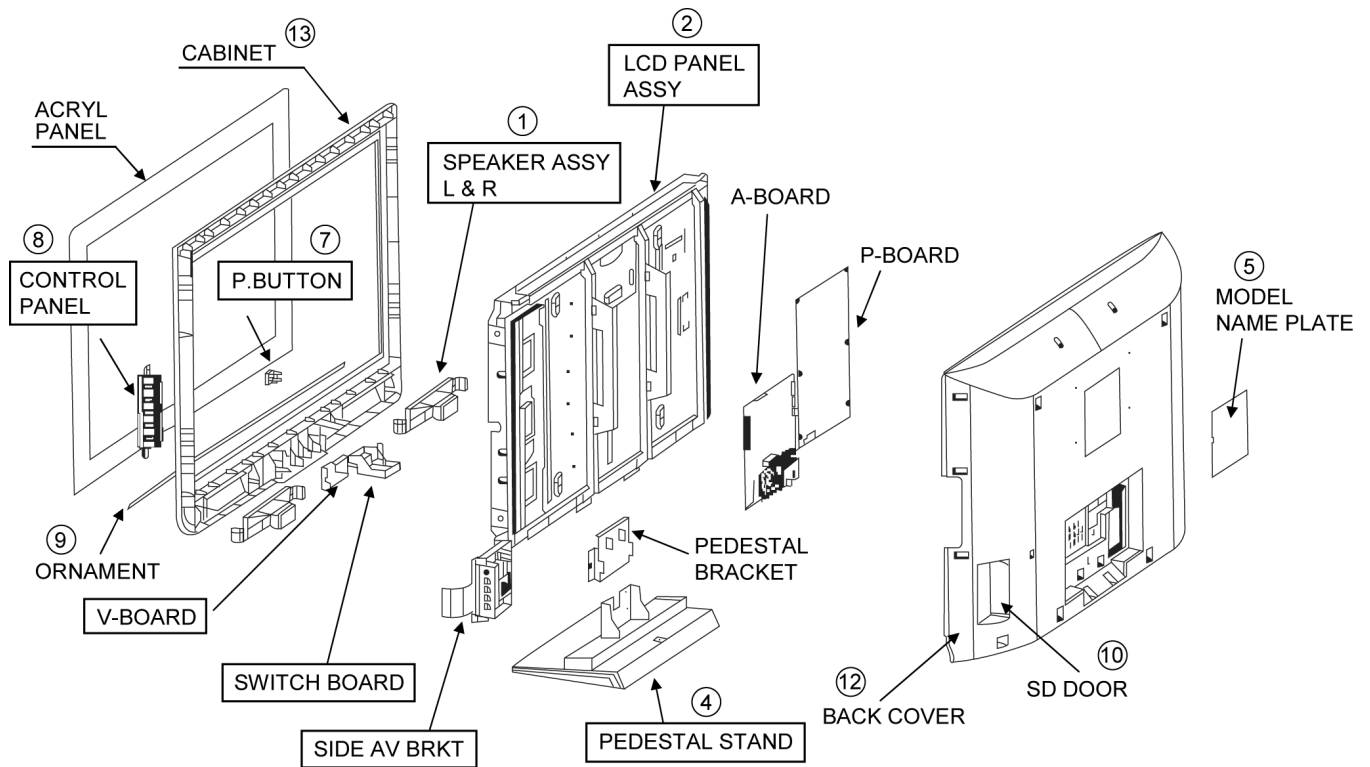


10.6.4. V Board (4 / 4)



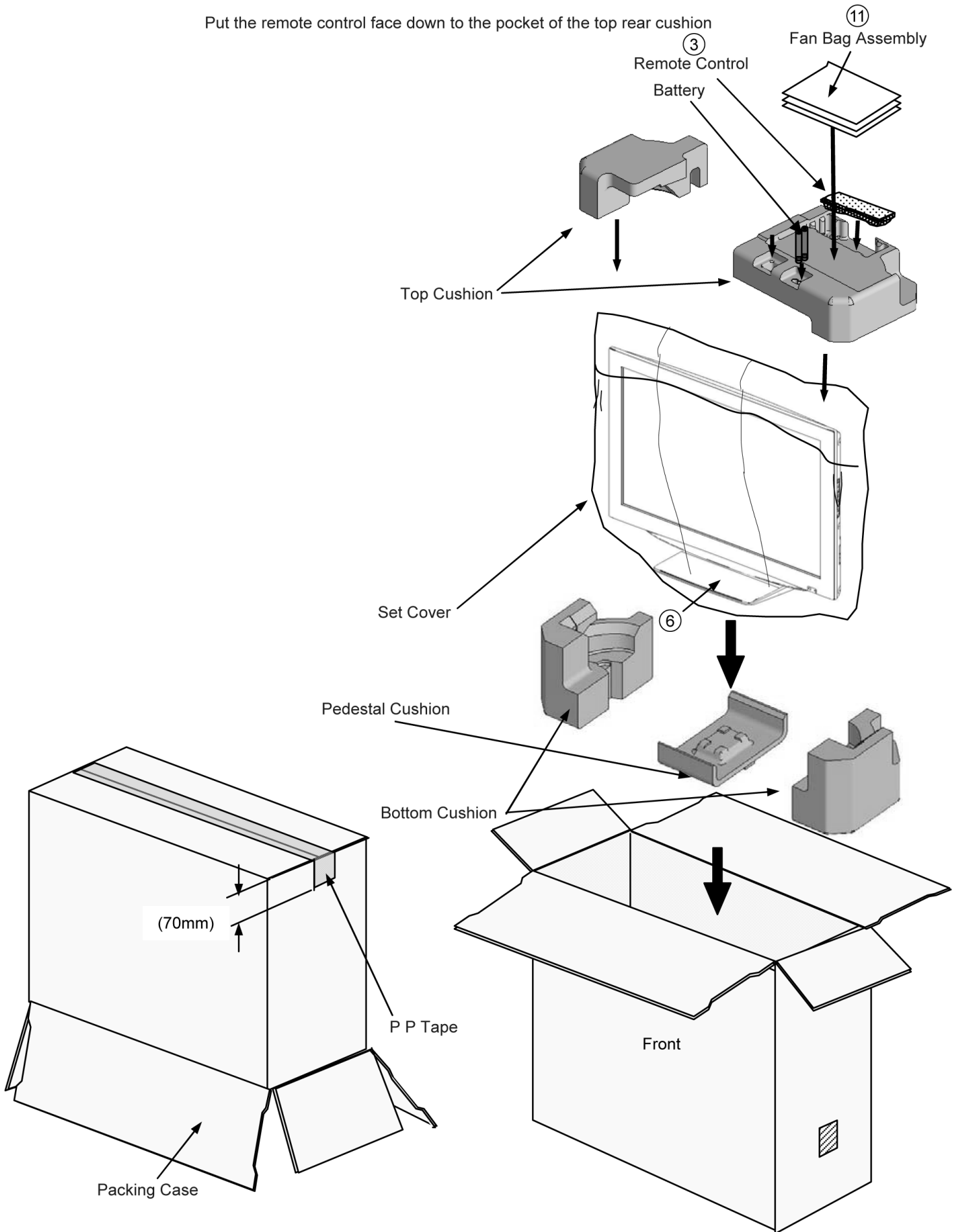
11 Parts Location & Mechanical Replacement Parts List

11.1. Parts Location



12 Packing Exploded View

Put the remote control face down to the pocket of the top rear cushion



13 Replacement Parts List

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%

13.1. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
1	EAS16S07B	SPEAKER	
	K1PY51Y00014	LVDS 32	
	K2CT2YY00016	AC CORD	⚠
2	L5EDD8Q00039	LCD PANEL (IPS ALPHA PANEL)	⚠
3	N2QAYB000226	REMOTE CONTROL	
4	TBL4GA0004	PEDESTAL ASSY	
5	TBM4GC005	MODEL NAME PLATE	⚠
6	TBMA264	PANASONIC BADGE	
	TBX4GA00202	CONTROL BUTTON	
7	TBXA54401	POWER BUTTON	
	TKK4G8611	COVER	
	TKK4GC5005	LED PANEL	
8	TKP4GA00201	CONTROL PANEL	
	TKP4GA00602	ACRYLIC PANEL	
9	TKP4GA00802	ORNAMENT (BOTTOM)	
10	TKP4GA01001A	SD DOOR	
	TKP4GA01201	SIDE AV BRACKET	
	TKP4GA01401	REAR CENTER COVER	
NLA	TNPA4480AB	V BOARD	⚠
NLA	TNPA4586AA	S BOARD	⚠
NLA	TNPA4587AA	K BOARD	⚠
NLA	TNPA4638AB	P BOARD	⚠
NLA	TNPH0729AD	A BOARD	⚠
	TPD4GA0004	CUSHION (PEDESTAL)	
	TPD4GA0015	CUSHION (TOP)	
	TPD4GA0017	CUSHION (BOTTOM)	
	TPE4G14037	SET COVER	
11	TQZ4GB009-3	FAN BAG ASSY	
12	TTU4GA0052	BACK COVER	
13	TTY4GA0017	CABINET ASSY	
	TXFPC020NFE	CARTON	
	TXFPE01RLTU	CLEANING CLOTH ASSY	
	CAPACITORS		
C1001	F1G1C104A116	C 0.1UF, 16V	
C1002	ECJ1VB1H104K	C 0.1UF,K, 50V	
C1003	F1G1C104A116	C 0.1UF, 16V	
C1004	F1G1C104A116	C 0.1UF, 16V	
C1005	ECJ1VB1H104K	C 0.1UF,K, 50V	
C1006	F1G1C104A116	C 0.1UF, 16V	
C1007	F1G1C104A116	C 0.1UF, 16V	
C1008	F1G1C104A116	C 0.1UF, 16V	
C1009	F1G1C104A116	C 0.1UF, 16V	
C1010	F1G1C104A116	C 0.1UF, 16V	
C1012	F1G1C104A116	C 0.1UF, 16V	
C1013	F1G1C104A116	C 0.1UF, 16V	
C1015	F1G1C104A116	C 0.1UF, 16V	
C1016	F1G1C104A116	C 0.1UF, 16V	
C1017	F1G1C104A116	C 0.1UF, 16V	
C1027	F1G1H102A730	C 0.1UF, 16V	
C1028	F1G1H102A730	C 0.1UF, 16V	
C1033	F1G1C104A116	C 0.1UF, 16V	
C1034	F1G1C104A116	C 0.1UF, 16V	
C1035	F1G1C104A116	C 0.1UF, 16V	
C1102	F1J0J106A021	C 10UF, 6.3V	
C1103	F1G1C104A116	C 0.1UF, 16V	
C1104	F1G1C104A116	C 0.1UF, 16V	
C1106	F1G1H270A731	C 27PF, 50V	
C1107	F1G1H220A731	C 27PF, 50V	
C1108	F1G1C104A116	C 0.1UF, 16V	
C1109	F1H1A1050032	C 1UF, 10V	
C1111	F1H1A1050032	C 1UF, 10V	
C1112	F1G1C104A116	C 0.1UF, 16V	
C1114	F1G1C104A116	C 0.1UF, 16V	
C1117	F1G1C104A116	C 0.1UF, 16V	
C1122	F1G1E103A123	C 0.01UF, 25V	
C1123	F1H1A1050032	C 1UF, 10V	
C1135	F1J1C1050030	C 1UF, 16V	
C2023	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2048	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2049	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2050	ECJ1VB1H104K	C 0.1UF,K, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2052	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2053	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2054	F1J1A106A043	C 10UF,J, 10V	
C2055	F1G1H150A731	C 12PF,J, 50V	
C2056	F1G1H150A731	C 12PF,J, 50V	
C2057	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2058	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2059	F1J1A106A043	C 10UF,J, 50V	
C2091	ECJ1VC1H330J	C 33PF, J, 50V	
C2092	F1H1H220A971	C 22PF, J, 50V	
C2096	F1H1C104A143	C 0.1UF,K, 16V	
C2098	F2G0J2210013	E 220UF, 6.3V	
C2099	F2G0J2210013	E 220UF, 6.3V	
C2100	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2101	F1J1A106A043	C 10UF,J, 10V	
C2102	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2103	F2G1C1010034	E 100UF, 16V	
C2105	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2106	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2107	F2G0J470A019	E 47UF, 6.3V	
C2108	F2G0J470A019	E 47UF, 6.3V	
C2109	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2110	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2111	F1H0J2250008	C 2.2UF,J, 6.3V	
C2112	F1J1A106A043	C 10UF,J, 10V	
C2113	F1J1A106A043	C 10UF,J, 10V	
C2114	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2115	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2116	F1H1H471A971	C 470PF, 50V	
C2117	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2118	F1H1A1050032	C 1UF, 50V	
C2120	F1H1H560A971	C 56PF, 50V	
C2121	F1H1H560A971	C 56PF, 50V	
C2122	F1G1E103A123	C 0.1UF, 25V	
C2123	F1G1E103A123	C 0.1UF, 25V	
C2124	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2125	F1G1E103A123	C 0.1UF, 25V	
C2126	F1J1A106A043	C 10UF, 10V	
C2127	F1G1E103A123	C 0.1UF, 25V	
C2128	F1G1E103A123	C 0.1UF, 25V	
C2129	F1G1E103A123	C 0.1UF, 25V	
C2131	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2135	F1G1E103A123	C 0.1UF, 25V	
C2136	F1G1E103A123	C 0.1UF, 25V	
C2137	F1J1A106A043	C 10UF, 10V	
C2138	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2151	F1J1A106A043	C 10UF, 10V	
C2174	F1H1A1050032	C 1UF, 10V	
C2175	EEH1B1C470P	E 47UF, 16V	
C2176	F1H1H103A970	C 0.01UF, 50V	
C2179	EEH1B1C470P	E 47UF, 16V	
C2180	F1H1A1050032	C 1UF, 10V	
C2183	F1J1A106A043	C 10UF,J, 10V	
C2184	F1H1H102A219	C 1000PF, 50V	
C2185	F1J1A106A043	C 10UF,J, 10V	
C2186	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2187	F1H0J2250008	C 2.2UF, 6.3V	
C2188	F1H1H471A971	C 470PF, 50V	
C2189	F1H1A1050032	C 1UF, 10V	
C2190	F1J1A106A043	E 10UF, 10V	
C2191	F1J1A106A043	E 10UF, 10V	
C2192	F2G0J470A019	E 47UF, 6.3V	
C2195	F1H1H102A219	C 1000PF, 50V	
C2197	F1H1E333A129	C 0.33UF, 25V	
C2198	F1H1E333A129	C 0.33UF, 25V	
C2202	F1H0J2250008	C 2.2UF, 6.3V	
C2203	F1H1A1050032	C 1UF, 10V	
C2204	ECJ1VB1C105K	C 1UF,K, 16V	
C2213	F1H1H102A219	C 1000PF, 50V	
C2216	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2244	ECJ1VB1H104K	C 0.1UF,K, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2245	FIH1H102A219	C 1000PF, 50V	
C2246	FIJ1A106A043	C 10UF, 10V	
C2251	FIJ1A106A043	C 10UF, 10V	
C2261	FIJ1A106A043	C 10UF, 10V	
C2262	FIJ1A106A043	C 10UF, 10V	
C2263	FIJ1A106A043	C 10UF, 10V	
C2264	FIJ1A106A043	C 10UF, 10V	
C2265	FIH1H101A971	C 470PF, 50V	
C2266	FIH1H101A971	C 470PF, 50V	
C2282	FIH1A473A053	C 100PF, 50V	
C2301	FIH1C104A116	C 0.1UF, 16V	
C2302	FIH1C104A116	C 0.1UF, 16V	
C2303	FIJ1E105A171	C 1UF, 25V	
C2305	FIJ1E105A171	C 1UF, 25V	
C2307	FIJ1E105A171	C 1UF, 25V	
C2309	FIJ1E105A171	C 1UF, 25V	
C2310	FIH1H102A219	C 1000PF, 50V	
C2311	FIH1H102A219	C 1000PF, 50V	
C2313	FIH1A1050032	C 1UF, 10V	
C2317	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2319	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2321	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2323	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2333	FIJ1E3340003	C 0.33UF, 25V	
C2335	FIJ1E3340003	C 0.33UF, 25V	
C2337	FIH1H223A970	C 0.022UF, 50V	
C2339	FIH1H223A970	C 0.022UF, 50V	
C2341	FIJ1E3340003	C 0.33UF, 25V	
C2343	FIJ1E3340003	C 0.33UF, 25V	
C2345	FIH1H223A970	C 0.022UF, 50V	
C2347	FIH1H223A970	C 0.022UF, 50V	
C2353	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2359	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2361	F2G1E4710007	E 470UF, 25V	
C2375	FIH1H223A970	C 0.022UF, 50V	
C2377	FIH1H223A970	C 0.022UF, 50V	
C2379	FIH1H223A970	C 0.022UF, 50V	
C2381	FIH1H223A970	C 0.022UF, 50V	
C2406	EEH1B1E470P	E 47UF, 25V	
C2407	FIH1E4750004	E 47UF, 6.3V	
C2601	F2G0J470A019	C 0.01UF,K, 50V	
C2602	FIH1H103A970	C 0.1UF,K, 16V	
C2605	FIH1C104A143	C 0.1UF,K, 16V	
C2606	F2G0J220A019	E 22UF, 6.3V	
C2903	F2G1C100A022	E 10UF, 16V	
C2907	FIH1C104A143	C 0.1UF,K, 16V	
C2908	FIH1C104A116	C 0.1UF, 16V	
C2909	FIH1A1050032	C 1UF, 10V	
C2912	EEH1B0J101P	E 100UF, 6.3V	
C2914	ECJ1VB1H104K	C 0.1UF,K, 50V	
C2915	F2G1H100A031	E 10UF, 50V	
C2916	FIH1C104A143	C 0.1UF,K, 16V	
C2920	FIH1H103A970	C 0.01UF, 50V	
C2922	FIH1C104A143	C 0.1UF,K, 16V	
C2923	ECJ1VB1H104K	C 1UF,K, 50V	
C2924	FIJ1E105A171	C 1UF, 25V	
C3002	FIH1H561A971	C 560PF, 50V	
C3003	FIH1H561A971	C 560PF, 50V	
C3005	FIH1A1050032	C 1UF, 10V	
C3007	FIH1H561A971	C 560PF, 50V	
C3008	FIH1H561A971	C 560PF, 50V	
C3010	FIH1H561A971	C 560PF, 50V	
C3011	FIH1H561A971	C 560PF, 50V	
C3013	FIH1H561A971	C 560PF, 50V	
C3014	FIH1H561A971	C 560PF, 50V	
C3022	FIH1A1050032	C 1UF, 10V	
C3024	FIH1A1050032	C 1UF, 10V	
C3025	FIH1A1050032	C 1UF, 10V	
C3026	FIH1A1050032	C 1UF, 10V	
C3039	FIH1A1050032	C 1UF, 10V	
C3041	FIH1A1050032	C 1UF, 10V	
C3043	FIH1A1050032	C 1UF, 10V	
C3044	FIH1A1050032	C 1UF, 10V	

Ref. No.	Part No.	Part Name & Description	Remarks
C3046	FIH1A1050032	C 1UF, 10V	
C3047	FIH1A1050032	C 1UF, 10V	
C3048	FIH1A1050032	C 1UF, 10V	
C3049	FIH1A1050032	C 1UF, 10V	
C3070	FIH1A1050032	C 1UF, 10V	
C3071	FIH1A1050032	C 1UF, 10V	
C3072	ECJ1VB1H104K	C 1UF,K, 50V	
C3073	FIH1A1050032	C 1UF, 10V	
C3074	FIH1A1050032	C 1UF, 10V	
C3075	FIH1A1050032	C 1UF, 10V	
C3077	ECJ1VB1H104K	C 1UF,K, 50V	
C3078	FIH1A1050032	C 1UF, 10V	
C3083	FIH1A1050032	C 1UF, 10V	
C3084	FIH1A1050032	C 1UF, 10V	
C3085	FIH1A1050032	C 1UF, 10V	
C3086	FIH1A1050032	C 1UF, 10V	
C3088	FIH1A1050032	C 1UF, 10V	
C3090	FIH1A1050032	C 1UF, 10V	
C3091	FIH1A1050032	C 1UF, 10V	
C3092	FIH1A1050032	C 1UF, 10V	
C3093	FIH1A1050032	C 1UF, 10V	
C3095	F2G1C2210020	E 100UF, 16V	
C3098	ECJ1VB1C105K	C 1UF,K, 16V	
C3101	ECJ1VB1H104K	C 1UF,K, 50V	
C3103	FIK0J226A008	C 22UF, 6.3V	
C3107	FIH1A1050032	C 1UF, 10V	
C3108	FIH1A1050032	C 1UF, 10V	
C3109	FIH1A1050032	C 1UF, 10V	
C3114	FIJ1A106A043	C 10UF, 10V	
C3115	FIJ1A106A043	C 10UF, 10V	
C3116	FIJ1A106A043	C 10UF, 10V	
C3117	FIJ1A106A043	C 10UF, 10V	
C3123	F2G1C100A022	E 10UF, 16V	
C3124	ECJ1VB1H104K	C 1UF,K, 50V	
C3139	FIH1C104A116	C 1UF, 10V	
C3140	FIH1C104A116	C 1UF, 10V	
C3141	FIH1C104A116	C 1UF, 10V	
C3143	FIH1C104A116	C 1UF, 10V	
C3144	FIH1A1050032	C 1UF, 10V	
C3145	FIH1C104A116	C 1UF, 10V	
C3146	FIJ1A106A043	C 10UF, 10V	
C3147	FIJ1A106A043	C 10UF, 10V	
C3700	FIJ1H561A836	C 560F, 50V	
C3702	FIJ1H561A836	C 560F, 50V	
C3705	ECJ1VF1H104Z	C 0.1UF, Z, 50V	
C3707	ECJ1VF1H104Z	C 0.1UF, Z, 50V	
C4200	ECJ1VB1H104K	C 0.1UF,K, 50V	
C4201	FIH1E331A123	C 330PF, 25V	
C4202	FIH1E103A123	C 0.1UF, 25V	
C4203	FIH0J1050012	C 1UF, 6.3V	
C4205	F2G0J470A019	E 47UF, 6.3V	
C4206	FIH1C104A116	C 1UF, 10V	
C4207	FIH1C104A116	C 1UF, 10V	
C4209	FIH1H102A730	C 1000PF, 50V	
C4211	FIH1H220A731	C 22PF, 50V	
C4212	FIH1H180A731	C 18PF, 50V	
C4213	FIH1C104A116	C 1UF, 10V	
C4214	FIH1H102A730	C 1000PF, 50V	
C4215	FIH1H102A730	C 1000PF, 50V	
C4216	FIH1C104A116	C 1UF, 10V	
C4218	FIH1C104A116	C 1UF, 10V	
C4219	FIH1H102A730	C 1000PF, 50V	
C4220	FIH1C104A116	C 1UF, 10V	
C4222	FIH1H102A730	C 1000PF, 50V	
C4223	FIH1C104A116	C 1000PF, 50V	
C4224	FIH1H102A730	C 1000PF, 50V	
C4225	FIH1C104A116	C 1UF, 10V	
C4227	FIH1H102A730	C 1000PF, 50V	
C4228	FIH1H120A731	C 12PF, 50V	
C4229	FIH1H120A731	C 12PF, 50V	
C4232	FIH1H102A730	C 1000PF, 50V	
C4233	FIH1C104A116	C 1UF, 10V	
C4235	FIH1H102A730	C 1000PF, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4236	F1H0J1050012	C 1UF, 6.3V	
C4238	F1G1H102A730	C 1000PF, 50V	
C4239	F1G1C104A116	C 0.1UF, 16V	
C4240	F1H0J1050012	C 1UF, 6.3V	
C4241	F1H0J1050012	C 1UF, 6.3V	
C4242	F1H0J1050012	C 1UF, 6.3V	
C4243	F2G0J470A019	E 47UF, 6.3V	
C4244	F2G0J470A019	E 47UF, 6.3V	
C4245	F1G1C104A116	C 0.1UF, 16V	
C4246	F1G1C104A116	C 0.1UF, 16V	
C4249	F1G1C104A116	C 0.1UF, 16V	
C4250	F1G1H102A730	C 1000PF, 50V	
C4251	F1J0J106A020	C 10UF, 6.3V	
C4252	F1G1H102A730	C 1000PF, 50V	
C4253	F1G1H102A730	C 1000PF, 50V	
C4254	F1G1C104A116	C 0.1UF, 16V	
C4255	F1G1C104A116	C 0.1UF, 16V	
C4256	F1G1C104A116	C 0.1UF, 16V	
C4257	F1G1H102A730	C 1000PF, 50V	
C4260	F1G1H102A730	C 1000PF, 50V	
C4261	F1G1H102A730	C 1000PF, 50V	
C4262	F1J0J106A020	C 10UF, 6.3V	
C4263	F1G1C104A116	C 0.1UF, 16V	
C4264	F1H0J1050012	C 1UF, 6.3V	
C4265	F1H0J1050012	C 1UF, 6.3V	
C4266	F1H0J1050012	C 1UF, 6.3V	
C4267	F1G1H102A730	C 1000PF, 50V	
C4269	F1G1C104A116	C 0.1UF, 16V	
C4273	F1G1C104A116	C 0.1UF, 16V	
C4274	F1G1H102A730	C 1000PF, 50V	
C4275	F1G1H102A730	C 1000PF, 50V	
C4276	F1G1C104A116	C 0.1UF, 16V	
C4277	F1H0J1050012	C 1UF, 6.3V	
C4278	F1H0J1050012	C 1UF, 6.3V	
C4279	F1G1H102A730	C 1000PF, 50V	
C4280	F1G1H102A730	C 1000PF, 50V	
C4283	F1G1C104A116	C 0.1UF, 16V	
C4284	F1G1C104A116	C 0.1UF, 16V	
C4285	F1G1C104A116	C 0.1UF, 16V	
C4286	F1G1H102A730	C 1000PF, 50V	
C4296	ECGRL0G680ER	CAPACITOR	
C4298	F1J0J106A020	C 10UF, 6.3V	
C4299	F1G1E103A123	C 0.1UF, 25V	
C4300	F1G1H102A730	C 1000PF, 50V	
C4301	F1G1C104A116	C 0.1UF, 16V	
C4302	F1G1E103A123	C 0.1UF, 25V	
C4303	F1G1E103A123	C 0.1UF, 25V	
C4304	F1G1H102A730	C 1000UF, 50V	
C4305	F1G1E103A123	C 0.1UF, 25V	
C4306	F1G1C104A116	C 0.1UF, 16V	
C4308	F1G1C104A116	C 0.1UF, 16V	
C4310	F1G1C104A116	C 0.1UF, 16V	
C4311	F1J1A106A043	C 10UF, 10V	
C4312	F1G1C104A116	C 0.1UF, 16V	
C4313	F1J0J106A020	C 10UF, 6.3V	
C4314	F1G1C104A116	C 0.1UF, 16V	
C4315	F1G1C104A116	C 0.1UF, 16V	
C4316	F1G1E103A123	C 0.1UF, 25V	
C4317	ECJ1VB0J475K	C 4.7UF, K, 6.3V	
C4319	F1G1C104A116	C 0.1UF, 16V	
C4320	F1G1C104A116	C 0.1UF, 16V	
C4321	F1J1A106A043	C 10UF, 10V	
C4322	F2G0G101A007	E 100UF, 4V	
C4323	F1G1C104A116	C 0.1UF, 16V	
C4324	F1G1E103A123	C 0.1UF, 25V	
C4325	F1J0J106A020	C 10UF, 6.3V	
C4326	F1G1E103A123	C 0.1UF, 25V	
C4327	F1G1C104A116	C 0.1UF, 16V	
C4328	F1J0J106A020	C 10UF, 6.3V	
C4329	F1G1H102A730	C 1000UF, 50V	
C4330	F1G1E103A123	C 0.1UF, 25V	
C4334	F1H0J1050012	C 1UF, 6.3V	
C4335	F1H0J1050012	C 1UF, 6.3V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4336	F1H0J1050012	C 1UF, 6.3V	
C4337	F1H0J1050012	C 1UF, 6.3V	
C4338	F1G1E103A123	C 0.1UF, 25V	
C4339	F1G1E103A123	C 0.1UF, 25V	
C4340	F1G1E103A123	C 0.1UF, 25V	
C4341	F1G1E103A123	C 0.1UF, 25V	
C4342	F1H0J1050012	C 1UF, 6.3V	
C4343	F1H0J1050012	C 1UF, 6.3V	
C4344	F1G1H102A730	C 1000UF, 50V	
C4345	F1G1C104A116	C 0.1UF, 16V	
C4347	F1G1H102A730	C 1000UF, 50V	
C4348	F1G1H102A730	C 1000UF, 50V	
C4349	F1G1C104A116	C 0.1UF, 16V	
C4350	F1G1C104A116	C 0.1UF, 16V	
C4351	F1G1C104A116	C 0.1UF, 16V	
C4352	F1G1H102A730	C 1000UF, 50V	
C4353	F1H0J1050012	C 1UF, 6.3V	
C4355	F1H0J2250008	C 2.2UF, 6.3V	
C4356	F1H0J2250008	C 2.2UF, 6.3V	
C4358	F2G0J470A019	E 47UF, 6.3V	
C4359	F1G1C104A116	C 0.1UF, 16V	
C4362	F1H0J1050012	C 1UF, 6.3V	
C4363	F1H0J1050012	C 1UF, 6.3V	
C4364	F1G1E103A123	C 0.1UF, 25V	
C4365	EEH1B1C470P	E 47UF, 16V	
C4366	F1G1C104A116	C 0.1UF, 16V	
C4367	F1G1H102A730	C 1000UF, 50V	
C4368	F2G0J220A019	E 22UF, 6.3V	
C4369	F1H0J1050012	C 1UF, 6.3V	
C4371	F1G1E103A123	C 0.1UF, 25V	
C4372	F1G1C104A116	C 0.1UF, 16V	
C4373	EEH1B1C470P	E 47UF, 16V	
C4374	F1G1E103A123	C 0.1UF, 25V	
C4375	F1G1E103A123	C 0.1UF, 25V	
C4376	F1G1E103A123	C 0.1UF, 25V	
C4377	F1G1E103A123	C 0.1UF, 25V	
C4379	F2G0J470A019	E 47UF, 6.3V	
C4380	F1G1E103A123	C 0.1UF, 25V	
C4381	F1H1A1050032	C 1UF, 10V	
C4382	F1G1E103A123	C 0.1UF, 25V	
C4383	F1H0J1050012	C 1UF, 6.3V	
C4384	F1G1C104A116	C 0.1UF, 16V	
C4385	F2G0J470A019	E 47UF, 6.3V	
C4386	F1G1E103A123	C 0.1UF, 25V	
C4387	F1H0J1050012	C 1UF, 6.3V	
C4388	F1H0J1050012	C 1UF, 6.3V	
C4389	F1G1C104A116	C 0.1UF, 16V	
C4390	F1G1C104A116	C 0.1UF, 16V	
C4391	F1G1E103A123	C 0.1UF, 25V	
C4392	F1G1E103A123	C 0.1UF, 25V	
C4393	F1J0J106A020	C 10UF, 6.3V	
C4394	F1H1H103A970	C 0.01UF, 50V	
C4395	F1H1H103A970	C 0.01UF, 50V	
C4396	EEH1B1C470P	E 47UF, 16V	
C4399	F1G1C104A116	C 0.1UF, 16V	
C4400	F1J0J106A020	C 10UF, 6.3V	
C4401	F1J0J106A020	C 10UF, 6.3V	
C4402	F1J0J106A020	C 10UF, 6.3V	
C4403	F1J0J106A020	C 10UF, 6.3V	
C4404	F1J0J106A020	C 10UF, 6.3V	
C4405	F1J0J106A020	C 10UF, 6.3V	
C4406	F1J0J106A020	C 10UF, 6.3V	
C4407	F1J0J106A020	C 10UF, 6.3V	
C4408	F1J0J106A020	C 10UF, 6.3V	
C4409	F2G0G101A007	E 100UF, 4V	
C4410	F1H1H103A970	C 0.01UF, 50V	
C4411	F1H1A1050032	C 1UF, 10V	
C4412	F1G1H102A730	C 1000PF, 50V	
C4415	F1G1C104A116	C 0.1UF, 16V	
C4500	F1G1C104A116	C 0.1UF, 16V	
C4501	F1G1C104A116	C 0.1UF, 16V	
C4502	F1G1C104A116	C 0.1UF, 16V	
C4503	F1G1C104A116	C 0.1UF, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4533	FlG1H680A731	C 68PF, 50V	
C4534	FlH1C104A143	C 0.1UF,K, 16V	
C4535	FlH1C104A143	C 0.1UF,K, 16V	
C4537	FlH1C104A143	C 0.1UF,K, 16V	
C4547	FlG1C104A116	C 0.1UF, 16V	
C4548	FlH1C104A143	C 0.1UF,K, 16V	
C4549	FlH1C104A143	C 0.1UF,K, 16V	
C4550	FlG1C104A116	C 0.1UF, 16V	
C4551	FlH1C104A143	C 0.1UF,K, 16V	
C4552	FlH1C104A143	C 0.1UF,K, 16V	
C4553	FlG1H102A730	C 1000UF, 50V	
C4555	FlJ1A106A043	C 10UF, 10V	
C4567	FlH1C104A143	C 0.1UF,K, 16V	
C4574	FlG1E103A123	C 0.01UF, 25V	
C4575	FlH1A1050032	C 1UF, 10V	
C4580	FlG1E103A123	C 0.01UF, 25V	
C4585	FlH1A1050032	C 1UF, 10V	
C4595	FlG1E103A123	C 0.01UF, 25V	
C4596	FlG1C104A116	C 0.1UF, 16V	
C4598	FlH1A1050032	C 1UF, 10V	
C4599	F2G0J470A019	E 47UF, 6.3V	
C4600	FlG1C104A116	C 0.1UF, 16V	
C4601	F2G0J470A019	E 47UF, 6.3V	
C4602	FlG1C104A116	C 0.1UF, 16V	
C4603	FlH0J2250008	C 2.2UF, 6.3V	
C4604	FlG1H471A459	C 470PF, 50V	
C4605	FlH1A1050032	C 1UF, 10V	
C4606	FlJ1A475A039	C 4.7UF, 10V	
C4607	FlJ1A475A039	C 4.7UF, 10V	
C4608	FlG1C104A116	C 0.1UF, 16V	
C4612	FlG1E103A123	C 0.01UF, 25V	
C4613	FlH1A1050032	C 1UF, 10V	
C4614	FlG1C104A116	C 0.1UF, 16V	
C4616	FlJ1A475A039	C 4.7UF, 10V	
C4617	FlJ0G2260001	C 22UF, 4V	
C4619	FlG1C104A116	C 0.1UF, 16V	
C4624	FlH1C104A143	C 0.1UF,K, 16V	
C4625	FlH1C104A143	C 0.1UF,K, 16V	
C4626	FlG1C104A116	C 0.1UF, 16V	
C4627	FlG1C104A116	C 0.1UF, 16V	
C4628	FlG1C104A116	C 0.1UF, 16V	
C4630	FlG1C104A116	C 0.1UF, 16V	
C4632	FlH1A1050032	C 1UF, 10V	
C4634	FlH1A1050032	C 1UF, 10V	
C4636	FlH1A1050032	C 1UF, 10V	
C4638	FlH1A1050032	C 1UF, 10V	
C4640	FlH1A1050032	C 1UF, 10V	
C4642	FlH1A1050032	C 1UF, 10V	
C4643	FlG1C104A116	C 0.1UF, 16V	
C4644	FlG1C104A116	C 0.1UF, 16V	
C4645	FlG1C104A116	C 0.1UF, 16V	
C4646	FlG1C104A116	C 0.1UF, 16V	
C4647	FlG1H102A730	C 1000PF, 50V	
C4738	FlG1H150A731	C 15PF, 50V	
C4739	FlG1H100A565	C 10PF, 50V	
C5400	FlK1A106A021	C 10UF, 10V	
C5401	FlH1E104A129	C 0.1UF, 25V	
C5402	FlG1E103A123	C 0.01UF, 25V	
C5404	FlH1H392A970	C 3900PF, 50V	
C5405	FlH1E104A129	C 0.1UF, 25V	
C5406	ECJ3YB1E106M	C 10UF, 25V	
C5408	FlK1A106A021	C 10UF, 10V	
C5412	FlK1A106A021	C 10UF, 10V	
C5413	FlH1E104A129	C 0.1UF, 25V	
C5414	FlG1E103A123	C 0.01UF, 25V	
C5416	FlH1H392A970	C 3900PF, 50V	
C5417	FlH1E104A129	C 0.1UF, 25V	
C5418	ECJ3YB1E106M	C 10UF, 10V	
C5420	FlK1A106A021	C 10UF, 10V	
C5430	EEFCD0G560ER	C 56UF, 4V	
C5600	FlH1A1050032	C 1UF, 10V	
C5601	FlG1C104A116	C 0.1UF, 16V	
C5602	ECGRL0G680ER	C 68UF, 4V	

Ref. No.	Part No.	Part Name & Description	Remarks
C5603	FlG1E103A123	C 0.01UF, 25V	
C5604	FlG1E103A123	C 0.01UF, 25V	
C5605	FlJ1A475A039	C 4.7UF, 10V	
C5606	FlG1H471A459	C 470UF, 50V	
C5607	FlG1H221A459	C 220UF, 50V	
C5608	FlG1C104A116	C 0.1UF, 16V	
C5611	FlK1C1060004	C 10UF, 16V	
C5612	FlK1C1060004	C 10UF, 16V	
C5615	FlK1C1060004	C 10UF, 16V	
C5616	FlG1A473A053	C 0.047UF, 10V	
C5617	FlH1A1050032	C 1UF, 10V	
C5618	FlK1C1060004	C 10UF, 16V	
C5619	FlK1C1060004	C 10UF, 16V	
C5620	FlH1C104A143	C 0.1UF,K, 16V	
C5621	FlG1E103A123	C 0.01UF, 25V	
C5622	FlJ1A475A039	C 4.7UF, 10V	
C5623	FlG1H471A459	C 470PF, 50V	
C5624	FlG1H221A459	C 470PF, 50V	
C5625	FlG1E103A123	C 0.01UF, 25V	
C5626	FlG1C104A116	C 0.1UF, 16V	
C5627	FlG1C104A116	C 0.1UF, 16V	
C5628	ECGRL0G680ER	C 68UF, 4V	
C5629	ECGRL0G680ER	C 68UF, 4V	
C5631	EEH1C470P	E 47UF, 16V	
C5632	ECJ1VB1C105K	C 1UF, 16V	
C5636	FlG1C104A116	C 0.1UF, 16V	
C5637	FlG1C104A116	C 0.1UF, 16V	
C5638	FlG1C104A116	C 0.1UF, 16V	
C5639	FlG1C104A116	C 0.1UF, 16V	
C5640	FlG1C104A116	C 0.1UF, 16V	
C5641	FlG1C104A116	C 0.1UF, 16V	
C5642	FlK1C1060004	C 10UF, 16V	
C5643	FlH1C104A143	C 0.1UF,K, 16V	
C5644	FlG1E103A123	C 0.01UF, 25V	
C5660	FlG1C1030008	C 0.01UF, 16V	
C5661	FlG1C1030008	C 0.01UF, 16V	
C5663	FlG1A473A053	C 0.047UF, 10V	
C5688	FlH1A225A051	C 2.2UF, 10V	
C7000	ECKCNA101MB7	C 100PF, M,	⚠
C7001	ECKCNA221MB7	C 220PF, M,	⚠
C7002	ECQU2A334BN9	C 0.33UF, 240V	⚠
C7003	ECQU2A334BN9	C 0.33UF, 240V	⚠
C7004	ECQU2A334BN9	C 0.33UF, 240V	⚠
C7006	F2A2W2R2A002	E 2.2UF, 450V	
C7007	ECKCNA222ME7	C 2200PF, M,	
C7008	ECCD3WD220KG	C 22PF, 2KV	
C7009	FlJ1H104A835	C 0.1UF, 50V	
C7010	FlJ1H474A757	C 0.47UF, 50V	
C7011	F2A1H1010047	E 100UF, 50V	
C7012	FlJ1H104A835	C 0.1UF, 50V	
C7013	FlJ1H473A835	C 0.047UF, 50V	
C7014	ECKR3A102KBP	C 1000PF, K, 1KV	
C7015	F2A1A102A214	E 1000UF, 10V	
C7016	FlJ1H103A834	C 0.01UF, 50V	
C7017	F0CZZ105A121	C 1UF, 50V	
C7018	FlJ1H474A757	C 0.47UF, 50V	
C7019	ECJ2VB1H182K	C 1800PF, K, 50V	
C7020	FlJ1H473A835	C 0.047UF, 50V	
C7021	FlJ1H682A834	C 6800PF, 50V	
C7022	FlJ1H104A835	C 0.1UF, 50V	
C7023	ECA1HHG010	E 1UF, 50V	
C7024	F2A1H1010047	E 100UF, 50V	
C7025	ECKW3D331KBP	C 330PF, K, 2KV	
C7026	ECKW3D151KBP	C 150PF, K, 2KV	
C7027	ECKCNA472ME7	C 4700PF, M,	
C7028	F2A2W2210001	E 220UF, 450V	
C7029	FlJ1H470A836	C 47PF, 50V	
C7030	FlJ1H471A836	C 470PF, 50V	
C7031	F2A1H330A122	E 33UF, 50V	
C7032	ECQE6103KF	P 0.01UF, 630V	
C7033	ECKW3D221KBP	C 220PF, 2KV	
C7034	FlJ1H102A836	C 1000PF, 50V	
C7035	FlJ1H332A834	C 3300PF, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C7036	F1J1H104A835	C 0.1UF, 50V	
C7037	F1J1H474A757	C 0.47UF, 50V	
C7038	ECKR3A102KBP	C 1000PF, K, 1KV	
C7039	F1J1H104A835	C 0.1UF, 50V	
C7044	F1J1E105A171	C 1 UF, 25V	
C7045	F2A1C1020027	E 1000UF, 16V	
C7046	F1J1H104A835	C 0.1UF, 50V	
C7047	F2A1E471A102	E 470UF, 25V	
C7049	F2A1H221A253	E 220UF, 50V	
C7051	F1J1E105A171	C 1 UF, 25V	
C7052	F1J1H103A834	C 0.01UF, 50V	
C7053	F1J1H104A835	C 0.1UF, 50V	
C7054	F1J1E105A171	C 1 UF, 25V	
C7055	F1J1E105A171	C 1 UF, 25V	
C7056	F1J1E105A171	C 1 UF, 25V	
C7057	F1J1E105A171	C 1 UF, 25V	
C7058	F1J1H103A834	C 0.01UF, 50V	
C7059	F1J1H103A834	C 0.01UF, 50V	
C7062	ECKW3D221KBP	C 220PF, 2KV	
C7088	F2A1E470A454	E 47UF, 25V	
C7089	F2A1H100A122	E 10UF, 50V	
C7090	ECKW3D221KBP	C 220PF, 2KV	
C7095	F1J1H104A835	C 0.1UF, 50V	
C7096	F1J1H104A835	C 0.1UF, 50V	
C7097	F2A1E471A102	E 470UF, 25V	
C7098	ECKCNA221MB7	C 220PF, M,	⚠
C7099	ECKCNA101MB7	C 100PF, M,	⚠
C7102	F2A1C101A121	E 100UF, 16V	
C7103	F1J1C224A194	C 0.22UF, 16V	
C7104	F2A1H330A118	E 33UF, 50V	
C7105	F1J1H104A835	C 0.1UF, 50V	
C7106	ECKCNA471MB7	C 470PF, M,	⚠
C7107	F2A1E471A102	E 470UF, 25V	
C7108	F2A1H100A118	E 10UF, 50V	
C7111	ECKR3A221KBP	C 820PF, 1KV	
C7112	ECKR3A221KBP	C 820PF, 1KV	
C7114	F1J1E105A171	C 1 UF, 25V	
C7116	F1J1H104A835	C 0.1UF, 50V	
C7120	F1J1H104A835	C 0.1UF, 50V	
C7121	F1J1H104A835	C 0.1UF, 50V	
C7122	F2A1C101A244	E 100UF, 16V	
C7123	F1J1H104A835	C 0.1UF, 50V	
C7125	ECKR3A221KBP	C 820PF, 1KV	
C7134	F2A1E471A102	E 470UF, 25V	
C7135	F1J1H103A834	C 0.01UF, 50V	
C7136	F1J1H103A834	C 0.01UF, 50V	
C7137	F2A1E221A487	E 220UF, 25V	
C7138	F2A1E471A218	E 470UF, 25V	
C7451	F1J1H102A834	C 1000PF, 50V	
C7452	F1J1H102A834	C 1000PF, 50V	
C7453	F1J1H102A834	C 1000PF, 50V	
C7454	F1J1H102A834	C 1000PF, 50V	
C7601	F1G1A104A053	C 0.1UF, 10V	
C7603	F1J1A106A043	C 10UF, 10V	
C7604	F1J1A106A043	C 10UF, 10V	
C7605	F1J1A106A043	C 10UF, 10V	
C7606	ECJ1VB1C105K	C 1UF, 16V	
C7607	EEH1B1C470P	E 47UF, 16V	
C8001	F1G1C104A116	C 0.1UF, 16V	
C8002	F1H0J1050012	C 1UF, 6.3V	
C8003	F1H0J1050012	C 1UF, 6.3V	
C8004	F1H0J1050012	C 1UF, 6.3V	
C8005	F1H0J1050012	C 1UF, 6.3V	
C8006	F1G1C104A116	C 0.1UF, 16V	
C8007	F1G1C104A116	C 0.1UF, 16V	
C8008	F1G1C104A116	C 0.1UF, 16V	
C8009	F1J1A106A043	C 10UF, 10V	
C8010	F1J1A106A043	C 10UF, 10V	
C8011	F1G1C104A116	C 0.1UF, 16V	
C8012	F1G1C104A116	C 0.1UF, 16V	
C8013	F1G1C104A116	C 0.1UF, 16V	
C8014	F1G1C104A116	C 0.1UF, 16V	
C8015	F1H0J1050012	C 1UF, 6.3V	

Ref. No.	Part No.	Part Name & Description	Remarks
C8016	F1H0J1050012	C 1UF, 6.3V	
C8017	F1J1A106A043	C 10UF, 10V	
C8018	F1G1C104A116	C 0.1UF, 16V	
C8019	F1G1C104A116	C 0.1UF, 16V	
C8020	F1G1C104A116	C 0.1UF, 16V	
C8021	F1G1C104A116	C 0.1UF, 16V	
C8022	F1H0J1050012	C 1UF, 6.3V	
C8023	F1J1A106A043	C 10UF, 10V	
C8024	F1J1A106A043	C 10UF, 10V	
C8025	F1G1C104A116	C 0.1UF, 16V	
C8026	F1G1C104A116	C 0.1UF, 16V	
C8027	F1G1C104A116	C 0.1UF, 16V	
C8028	F1G1C104A116	C 0.1UF, 16V	
C8029	F1G1C104A116	C 0.1UF, 16V	
C8030	F1H0J1050012	C 1UF, 6.3V	
C8031	F1H0J1050012	C 1UF, 6.3V	
C8032	F1J1A106A043	C 10UF, 10V	
C8033	F1G1C104A116	C 0.1UF, 16V	
C8034	F1G1C104A116	C 0.1UF, 16V	
C8035	F1J1A106A043	C 10UF, 10V	
C8036	F1J1A106A043	C 10UF, 10V	
C8037	F1G1C104A116	C 0.1UF, 16V	
C8038	F1G1C104A116	C 0.1UF, 16V	
C8039	F1G1C104A116	C 0.1UF, 16V	
C8040	F1G1C104A116	C 0.1UF, 16V	
C8041	F1G1C104A116	C 0.1UF, 16V	
C8042	ECGR10G680ER	C 68UF, 4V	
C8043	F1G1C104A116	C 0.1UF, 16V	
C8044	F1G1C104A116	C 0.1UF, 16V	
C8045	F1G1C104A116	C 0.1UF, 16V	
C8046	F1G1C104A116	C 0.1UF, 16V	
C8047	F1G1C104A116	C 0.1UF, 16V	
C8048	F1G1C104A116	C 0.1UF, 16V	
C8049	F1G1C104A116	C 0.1UF, 16V	
C8050	F1G1C104A116	C 0.1UF, 16V	
C8051	F1G1C104A116	C 0.1UF, 16V	
C8052	F1H0J1050012	C 1UF, 6.3V	
C8053	F1G1E103A123	C 0.01UF, 25V	
C8054	F1G1H180A731	C 18PF, 50V	
C8055	F1G1H7R0A732	C 5PF, 50V	
C8056	F1G1C104A116	C 0.1UF, 16V	
C8057	F1G1C104A116	C 0.1UF, 16V	
C8058	F1J1A106A043	C 10UF, 10V	
C8067	F1G1E103A123	C 0.01UF, 25V	
C8068	F1G1C104A116	C 0.1UF, 16V	
C8069	F1G1H820A731	C 82PF, 50V	
C8070	F1G1C104A116	C 0.1UF, 16V	
C8071	F1G1C104A116	C 0.1UF, 16V	
C8072	F1G1C104A116	C 0.1UF, 16V	
C8073	F1G1C104A116	C 0.1UF, 16V	
C8074	F1G1C104A116	C 0.1UF, 16V	
C8075	F1J0G2260001	C 22UF, 4V	
C8076	F1G1C104A116	C 0.1UF, 16V	
C8077	F1G1C104A116	C 0.1UF, 16V	
C8078	F1G1C104A116	C 0.1UF, 16V	
C8079	F1G1C104A116	C 0.1UF, 16V	
C8080	F1G1C104A116	C 0.1UF, 16V	
C8555	F1G1C104A116	C 0.1UF, 16V	
C8601	F1G1C104A116	C 0.1UF, 16V	
C8812	F1G1A104A012	C 0.1UF, 10V	
C8813	EEH1B1C470P	E 47UF, 16V	
C8814	F1G1C1030008	C 0.01UF, 16V	
C8815	F1J0G2260001	C 22UF, 4V	
	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	
D2013	MA2J11100L	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D2023	MA2J11100L	DIODE	
D2024	MA2J11100L	DIODE	
D2027	MA2J11100L	DIODE	
D2068	MA2J11100L	DIODE	
D2069	MA2J11100L	DIODE	
D2070	MA2J11100L	DIODE	
D2201	MA704ATX	DIODE	
D2600	LNJ107W5PRW	DIODE	
D3050	MAZ81400ML	DIODE	
D4204	MA152KTX	DIODE	
D4208	MA2J11100L	DIODE	
D4500	EZAEG2A50AX	FILTER	
D4501	EZAEG2A50AX	FILTER	
D4502	EZAEG2A50AX	FILTER	
D4503	EZAEG2A50AX	FILTER	
D4504	EZAEG2A50AX	FILTER	
D4505	EZAEG2A50AX	FILTER	
D4506	EZAEG2A50AX	FILTER	
D4507	EZAEG2A50AX	FILTER	
D4508	EZAEG2A50AX	FILTER	
D4509	EZAEG2A50AX	FILTER	
D4510	EZAEG2A50AX	FILTER	
D4511	EZAEG2A50AX	FILTER	
D4512	EZAEG2A50AX	FILTER	
D4513	MA3056MTX	DIODE	
D4514	EZAEG2A50AX	FILTER	
D4515	MA3056MTX	DIODE	
D4516	EZAEG2A50AX	FILTER	
D4517	EZAEG2A50AX	FILTER	
D4518	EZAEG2A50AX	FILTER	
D4519	EZAEG2A50AX	FILTER	
D4520	EZAEG2A50AX	FILTER	
D4521	EZAEG2A50AX	FILTER	
D4522	EZAEG2A50AX	FILTER	
D4523	EZAEG2A50AX	FILTER	
D4541	B0HCMM000014	DIODE	
D4543	B0HCMM000014	DIODE	
D5400	B0JCME000037	DIODE	
D5401	B0BC4R700007	DIODE	
D5402	B0BC4R700007	DIODE	
D5403	B0JCPD000026	DIODE	
D5404	B0BC4R700007	DIODE	
D5405	B0BC4R700007	DIODE	
D5412	MAZ80470ML	DIODE	
D5413	MA2J11100L	DIODE	
D5433	MAZ80620ML	DIODE	
D5434	MA2J11100L	DIODE	
D5601	B0JCME000037	DIODE	
D5602	B0JCME000037	DIODE	
D5603	B0JCDD000002	DIODE	
D5604	B0JCDD000002	DIODE	
D5605	B0JCME000037	DIODE	
D5606	B0JCDD000002	DIODE	
D5612	MAZ80470ML	DIODE	
D5613	MA2J11100L	DIODE	
D5618	MAZ80470ML	DIODE	
D5619	MA2J11100L	DIODE	
D5633	MAZ80620ML	DIODE	
D5634	MA2J11100L	DIODE	
D5692	MAZ80560LL	DIODE	
D7000	ERZV10V621T2	VARISTOR	△
D7001	B0EBKT000007	DIODE	
D7002	ERZV10V621T2	VARISTOR	△
D7003	B0FBAT000008	DIODE	
D7004	B0BA01600007	ZENER DIODE	
D7005	B0BA03600021	DIODE	
D7006	MTZJ15B	ZENER DIODE	
D7007	MAZ83600ML	DIODE	
D7008	MA2J11100L	DIODE	
D7009	MAZ83000ML	DIODE	
D7010	MAZ83600ML	DIODE	
D7011	MA2J11100L	DIODE	
D7012	B0HCMM000014	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D7013	B0HCMM000014	DIODE	
D7014	MAZ80560ML	DIODE	
D7015	B0JCNG000003	DIODE	
D7016	MA2J11100L	DIODE	
D7017	MA2J72900L	DIODE	
D7018	MA22F2000L	DIODE	
D7020	B0HCMM000014	DIODE	
D7021	B0BA01000070	DIODE	
D7022	MAZ80620ML	DIODE	
D7023	B0FABR000011	DIODE	
D7024	B0HAGV000004	DIODE	
D7025	B0HCMM000014	DIODE	
D7026	B0HCMM000014	DIODE	
D7027	B0HAGV000004	DIODE	
D7028	MAZ80620ML	DIODE	
D7029	MA2J11100L	DIODE	
D7030	B0BA01000070	DIODE	
D7031	B0HCMM000014	DIODE	
D7032	B0JBSL000023	DIODE	
D7033	ERZV10V621T2	VARISTOR	△
D7034	B0JAPK000011	DIODE	
D7035	MAZ81000ML	DIODE	
D7036	MAZ81000ML	DIODE	
D7037	MAZ81000ML	DIODE	
D7039	MAZ81800ML	DIODE	
D7040	MAZ81100ML	DIODE	
D7041	B0HCMM000014	DIODE	
D7042	MA2J11100L	DIODE	
D7043	MA2J11100L	DIODE	
D7044	ERZV10V621T2	VARISTOR	△
D7045	MA2J72900L	DIODE	
D7046	MA2J72900L	DIODE	
D7047	MA2J72900L	DIODE	
D7048	MA2J72900L	DIODE	
D7050	B0BA03600021	DIODE	
D7056	ERZV10V621T2	VARISTOR	△
D7058	B0HCMM000014	DIODE	
D7060	B0HCMM000014	DIODE	
D7062	MA2J11100L	DIODE	
D7064	MA2J11100L	DIODE	
D7066	MA2J11100L	DIODE	
D7067	MA2J11100L	DIODE	
D7069	MA2J11100L	DIODE	
D7073	MA2J72900L	DIODE	
D7075	B0JBSL000023	DIODE	
D7076	B0BA7R900004	ZENER DIODE	
D7082	RY24	DIODE	
D7083	TVSSR2KL	DIODE	
D7084	MAZ82400ML	DIODE	
D7085	MA2J11100L	DIODE	
D7087	MAZ83600ML	DIODE	
D7088	MAZ83600ML	DIODE	
D7089	MAZ83600ML	DIODE	
D7090	MAZ83600ML	DIODE	
D7091	MAZ83600ML	DIODE	
D7092	MAZ83600ML	DIODE	
D7093	MAZ83600ML	DIODE	
D7144	B0HCMM000014	DIODE	
D7601	MA2J11100L	DIODE	
	INTEGRATED CIRCUITS		
IC1000	C1ZBZ0003577	IC	
IC1100	MNZSFG3GP53	IC	
IC1101	TVRP914	ROM IC	
IC2008	C0CBCBE00001	IC	
IC2012	C1BB00000947	IC	
IC2013	C0DBGYY00281	IC	
IC2106	C1AB00002909	IC	
IC2107	C0DBFFD00003	IC, POWER SUPPLY	
IC2301	C1AB00002875	IC	
IC2902	C0DBGYY00281	IC	
IC3001	C1AB00002855	IC	
IC4200	C1AB00002727	IC	

Ref. No.	Part No.	Part Name & Description	Remarks
IC4201	C3ABQJ000055	IC	
IC4203	C0DBEHG00006	IC	
IC4204	C0CBCBC00190	IC	
IC4205	C0CBCAC00269	IC	
IC4206	C0CBCAC00269	IC	
IC4207	C0JBCZ000558	IC	
IC4208	C0CBCBD00043	IC	
IC4209	C3EBJC000055	EEPROM IC	
IC4510	C1AB00002966	IC	
IC4511	C0CBCBE00001	IC	
IC4512	C0DBGYY00477	IC	
IC4513	C0DBGYY00477	IC	
IC4514	C0JBAZ002301	IC	
IC4515	C0JBAZ002301	IC	
IC5412	C0DBAYY00183	IC	
IC5433	C0DBAYY00183	IC	
IC5600	C0DBAYY00273	IC	
IC5601	C0DBAYY00274	IC	
IC5660	C0EBM0000026	IC	
IC7000	C0DABYY00008	IC, POWER SUPPLY	
IC7001	C0DAEMZ00001	IC	
IC7002	C0DBBZG00004	IC	
IC7003	C0DBBYG00001	IC	
IC7005	C0DAEMZ00001	IC	
IC7009	C0DBEHE00005	IC, POWER SUPPLY	
IC7050	C0DAEYH00002	IC	
IC7601	C1ZBZ0003725	IC	
IC8001	MN2WS0047	IC	
IC8002	C3ABRY000015	IC	
IC8003	C3ABRY000015	IC	
IC8004	C0ZBZ0001567	IC	
IC8554	TVRQ002-4	ROM IC	
IC8601	TVRP906	EEPROM IC	
		COILS	
L1000	J0JYC0000065	COIL	
L1002	D0GDR00Z0002	CHIP RESISTOR	
L1003	D0GDR00Z0002	CHIP RESISTOR	
L1004	D0GDR00Z0002	CHIP RESISTOR	
L1005	D0GDR00Z0002	CHIP RESISTOR	
L1006	D0GDR00Z0002	CHIP RESISTOR	
L1007	D0GDR00Z0002	CHIP RESISTOR	
L1008	D0GDR00Z0002	CHIP RESISTOR	
L1009	D0GDR00Z0002	CHIP RESISTOR	
L1010	J0JHC0000035	BEAD COIL	
L1011	J0JHC0000035	BEAD COIL	
L1012	J0JYC0000065	COIL	
L1013	J0JYC0000065	COIL	
L1015	J0JYC0000065	COIL	
L1016	J0JYC0000065	COIL	
L1017	J0JYC0000065	COIL	
L1018	J0JYC0000065	COIL	
L1019	J0JYC0000065	COIL	
L1020	J0JYC0000065	COIL	
L1021	J0JYC0000065	COIL	
L1023	J0JYC0000065	COIL	
L1024	J0JYC0000065	COIL	
L1028	J0JYC0000065	COIL	
L1029	J0JYC0000065	COIL	
L1030	D0GDR00Z0002	CHIP RESISTOR	
L1100	J0JYC0000068	COIL	
L2001	G1C150KA0038	COIL	
L2005	D0GDR00Z0002	CHIP RESISTOR	
L2006	D0GDR00Z0002	CHIP RESISTOR	
L2010	G1C220MA0291	COIL	
L2012	G1C220MA0291	COIL	
L2014	G1C220MA0291	COIL	
L2016	G1C220MA0291	COIL	
L2018	J0JHC0000042	COIL	
L2023	G1C3R0ZA0156	COIL	
L2031	J0JYC0000068	COIL	
L2032	J0JYC0000068	COIL	
L2901	J0JCC0000269	COIL	
L2902	J0JCC0000269	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L2904	J0JCC0000269	COIL	
L2906	J0JCC0000241	BEAD CORE	
L3002	TSK1032	BEAD CORE	
L3003	TSK1032	BEAD CORE	
L3006	TSK1032	BEAD CORE	
L3007	TSK1032	BEAD CORE	
L3010	TSK1032	BEAD CORE	
L3011	TSK1032	BEAD CORE	
L3014	TSK1032	BEAD CORE	
L3015	TSK1032	BEAD CORE	
L3017	TSK1032	BEAD CORE	
L3018	TSK1032	BEAD CORE	
L3019	TSK1032	BEAD CORE	
L3023	TSK1032	BEAD CORE	
L3024	TSK1032	BEAD CORE	
L3700	TSK1032	BEAD CORE	
L3701	TSK1032	BEAD CORE	
L3702	J0JCC0000364	BEAD COIL	
L3703	J0JCC0000364	BEAD COIL	
L4200	D0GBR00Z0002	CHIP RESISTOR	
L4201	J0JHC0000078	BEAD CORE	
L4204	J0JHC0000078	BEAD CORE	
L4205	J0JHC0000078	BEAD CORE	
L4206	J0JHC0000078	BEAD CORE	
L4207	J0JHC0000078	BEAD CORE	
L4208	TALC325T100K	CHIP INDUCTOR COIL	
L4209	J0JHC0000078	BEAD CORE	
L4210	J0JHC0000078	BEAD CORE	
L4211	J0JHC0000078	BEAD CORE	
L4212	J0JHC0000078	BEAD CORE	
L4213	J0JHC0000078	BEAD CORE	
L4214	J0JHC0000078	BEAD CORE	
L4215	J0JHC0000078	BEAD CORE	
L4216	J0JHC0000078	BEAD CORE	
L4217	J0JHC0000078	BEAD CORE	
L4220	J0JHC0000078	BEAD CORE	
L4301	J0JHC0000078	BEAD CORE	
L4500	D0GBR00Z0002	CHIP RESISTOR	
L4501	D0GBR00Z0002	CHIP RESISTOR	
L4502	J0JHC0000078	BEAD CORE	
L4503	J0JHC0000078	BEAD CORE	
L4504	J0JHC0000078	BEAD CORE	
L4505	J0JHC0000078	BEAD CORE	
L4506	J0JHC0000078	BEAD CORE	
L4507	J0JHC0000078	BEAD CORE	
L4511	J0JHC0000078	BEAD CORE	
L4512	J0JCC0000241	BEAD CORE	
L4513	J0JCC0000241	BEAD CORE	
L4514	J0JHC0000078	BEAD CORE	
L4515	J0JHC0000078	BEAD CORE	
L4516	J0JHC0000078	BEAD CORE	
L4517	J0JHC0000078	BEAD CORE	
L4518	J0JHC0000078	BEAD CORE	
L4519	J0JHC0000078	BEAD CORE	
L5401	G1C330MA0234	COIL	
L5405	G1C330MA0234	COIL	
L5600	G1C2R2Z00007	COIL	
L5601	G1C2R2Z00007	COIL	
L5602	G1C4R7Z00014	COIL	
L5604	G1C100MA0203	COIL	
L5605	J0JHC0000075	BEAD COIL	
L5606	G1C100MA0077	COIL	
L5690	J0JYC0000068	COIL	
L5691	J0JYC0000068	COIL	
L5692	J0JYC0000068	COIL	
L7000	G0C181K00003	COIL	
L7001	EXCELSA35T	BEAD CORE	
L7002	EXCELSA35T	BEAD CORE	
L7005	EXCELD35V	CORE	
L7007	EXCELD35V	CORE	
L7008	EXCELD35V	CORE	
L7010	EXCELD35V	CORE	
L7012	EXCELD35V	CORE	

Ref. No.	Part No.	Part Name & Description	Remarks
L7013	EXCELD35V	CORE	
L7019	EXCELD35V	CORE	
L7029	TALL08T100KA	INDUCTION COIL	
L7031	TALL08T100KA	INDUCTION COIL	
L7032	TALL08T100KA	INDUCTION COIL	
L7033	TALL08T100KA	INDUCTION COIL	
L7114	EXCELD35V	CORE	
L7601	J0JYC0000068	COIL	
L7602	J0JYC0000068	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	
L8551	J0JHC0000075	BEAD COIL	
L8801	J0JHC0000045	COIL	
	TRANSISTORS		
Q2001	2SD0601A0L	TRANSISTOR	
Q2020	2SD0601A0L	TRANSISTOR	
Q2021	2SD0601A0L	TRANSISTOR	
Q2022	2SB709ATX	TRANSISTOR	
Q2028	B1CBHD000002	TRANSISTOR	
Q2029	B1CBHD000002	TRANSISTOR	
Q2061	2SD0601A0L	TRANSISTOR	
Q2062	2SB709ATX	TRANSISTOR	
Q2063	2SB709ATX	TRANSISTOR	
Q2064	2SD0601A0L	TRANSISTOR	
Q2065	2SD0601A0L	TRANSISTOR	
Q2066	2SD0601A0L	TRANSISTOR	
Q2067	2SD0601A0L	TRANSISTOR	
Q2068	2SB709ATX	TRANSISTOR	
Q2069	2SD0601A0L	TRANSISTOR	
Q2070	2SD0601A0L	TRANSISTOR	
Q2600	2SD0601A0L	TRANSISTOR	
Q2601	2SD0601A0L	TRANSISTOR	
Q2604	2SD0601A0L	TRANSISTOR	
Q3000	2SD0601A0L	TRANSISTOR	
Q3001	2SD0601A0L	TRANSISTOR	
Q3002	2SB0709ASL	TRANSISTOR	
Q4202	2SD0601A0L	TRANSISTOR	
Q4203	2SB709ATX	TRANSISTOR	
Q4204	2SD0601A0L	TRANSISTOR	
Q4205	2SC39380QL	TRANSISTOR	
Q4206	2SD0601A0L	TRANSISTOR	
Q4207	2SC39380QL	TRANSISTOR	
Q4208	2SD0601A0L	TRANSISTOR	
Q4500	2SD0601A0L	TRANSISTOR	
Q4501	2SD0601A0L	TRANSISTOR	
Q4502	2SD0601A0L	TRANSISTOR	
Q4503	2SD0601A0L	TRANSISTOR	
Q4514	2SB709ATX	TRANSISTOR	
Q4515	2SB709ATX	TRANSISTOR	
Q4516	2SB709ATX	TRANSISTOR	
Q4517	2SB709ATX	TRANSISTOR	
Q4519	2SB709ATX	TRANSISTOR	
Q5412	2SD0601A0L	TRANSISTOR	
Q5413	2SD0601A0L	TRANSISTOR	
Q5600	B1MBDA00015	TRANSISTOR	
Q5601	B1MBDA00003	TRANSISTOR	
Q5602	B1MBDA00003	TRANSISTOR	
Q5603	2SD0601A0L	TRANSISTOR	
Q5604	2SD0601A0L	TRANSISTOR	
Q7000	2SB709ATX	TRANSISTOR	
Q7001	2SD0601A0L	TRANSISTOR	
Q7003	B1DHCD000023	TRANSISTOR	
Q7004	2SD0601A0L	TRANSISTOR	
Q7005	B1CERQ000041	TRANSISTOR	
Q7006	B1CEPU000003	TRANSISTOR	
Q7008	B1DHDD000028	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q7009	2SD0601A0L	TRANSISTOR	
Q7010	2SD0601A0L	TRANSISTOR	
Q7011	2SD0601A0L	TRANSISTOR	
Q7012	2SB709ATX	TRANSISTOR	
Q7022	2SB709ATX	TRANSISTOR	
Q7025	B1DHDD000028	TRANSISTOR	
Q7026	2SD0601A0L	TRANSISTOR	
Q7052	2SD0602ASL	TRANSISTOR	
Q8850	2SD0601A0L	TRANSISTOR	
Q8852	2SD0601A0L	TRANSISTOR	
Q8853	2SD0601A0L	TRANSISTOR	
	RESISTORS		
R001	ERJ2GEJ680X	M 680HM ,J,1/16W	
R002	EXB28V680JX	RESISTOR	
R003	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R004	ERJ2GEJ680X	M 680HM ,J,1/16W	
R005	EXB28V680JX	RESISTOR	
R006	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R007	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R008	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R009	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R1002	D0GBR00Z0002	M 00HM ,J,1/10W	
R1003	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R1004	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R1005	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1007	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1100	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1101	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1102	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1103	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1104	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1105	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1106	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1107	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1108	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1109	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1120	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1134	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1139	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1146	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1151	ERJ2GEJ182X	M 1.8KOHM ,J,1/10W	
R1152	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1153	ERJ2GEJ821X	M 820OHM ,J,1/10W	
R1162	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1163	ERJ2GEJ105X	F 1MOHM ,J,1/10W	
R1164	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R1166	ERJ2GEJ104X	F 100KOHM ,J,1/10W	
R1170	ERJ2GEJ104X	F 100KOHM ,J,1/10W	
R1171	ERJ2GEJ683X	M 68KOHM ,J,1/10W	
R1172	ERJ2GEJ223X	M 22KOHM ,J,1/10W	
R1173	ERJ2GEJ331X	M 330OHM ,J,1/10W	
R1174	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R1175	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R1179	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R1181	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1182	ERJ2GEJ273X	M 270HM ,J,1/10W	
R1183	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1184	ERJ2GE0R00X	F 00HM ,J,1/10W	
R1194	ERJ2GEJ683X	M 68KOHM ,J,1/10W	
R1196	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1200	ERJ2GEJ472X	M 4.7KOHM ,J,1/10W	
R1201	ERJ2GEJ472X	M 4.7KOHM ,J,1/10W	
R1203	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1204	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R1205	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R1206	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R1207	ERJ2GEJ182X	M 1.8KOHM ,J,1/10W	
R1208	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R1209	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1210	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1211	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1212	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1213	ERJ2GEJ473X	F 47KOHM ,J,1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1214	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1216	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R1217	ERJ2GEJ104X	F 100KOHM ,J,1/10W	
R1218	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R1219	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R1220	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R1221	D1BB7151A055	M 7.15KOHM,J,1/10W	
R1224	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1225	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1226	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1227	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R1228	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R1229	ERJ2GE0R00X	F 10KOHM ,J,1/10W	
R1230	ERJ2GEJ473X	F 0OHM ,J,1/10W	
R1231	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1233	ERJ2GE0R00X	F 47KOHM ,J,1/10W	
R1234	ERJ2GEJ103X	F 0OHM ,J,1/10W	
R1236	ERJ2GEJ473X	F 10KOHM ,J,1/10W	
R1237	ERJ2GEJ102X	F 47KOHM ,J,1/10W	
R1243	ERJ2GEJ473X	F 1KOHM ,J,1/10W	
R1250	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R1255	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R1256	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R2000	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R2001	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R2002	ERJ2GEJ821X	M 820OHM,J,1/10W	
R2003	ERJ2GEJ105X	F 1MOHM ,J,1/10W	
R2006	ERJ2GEJ471X	M 470OHM,J,1/10W	
R2007	ERJ2GEJ221X	M 220OHM,J,1/10W	
R2008	ERJ3GEYJ471	M 470OHM,J,1/16W	
R2015	ERJ2GEJ103X	F 47KOHM ,J,1/10W	
R2016	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2017	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2018	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2019	D1BB2002A055	M 20KOHM,J,1/10W	
R2020	D1BB2001A055	M 20KOHM,J,1/10W	
R2023	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2024	ERJ2GEJ101X	M 100OHM,J,1/10W	
R2026	D1BB1203A055	M 120KOHM,J,1/10W	
R2027	D1BB7502A055	M 750KOHM,J,1/10W	
R2047	D1BB2002A055	M 20KOHM,J,1/10W	
R2048	D1BB2002A055	M 20KOHM,J,1/10W	
R2050	D1BB2002A055	M 20KOHM,J,1/10W	
R2051	D1BB2002A055	M 20KOHM,J,1/10W	
R2057	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R2058	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2063	ERJ2GEJ101X	M 100OHM,J,1/10W	
R2064	ERJ2GEJ101X	M 100OHM,J,1/10W	
R2065	ERJ2GEJ823X	M 82KOHM,J,1/10W	
R2066	ERJ2GE0R00X	F 0OHM ,J,1/10W	
R2068	ERJ2GE0R00X	F 0OHM ,J,1/10W	
R2071	ERJ2GEJ104X	F 100KOHM ,J,1/10W	
R2072	ERJ2GEJ104X	F 100KOHM ,J,1/10W	
R2081	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2082	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2089	ERJ2GEJ153X	M 15KOHM,J,1/10W	
R2090	ERJ2GEJ153X	M 15KOHM,J,1/10W	
R2092	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2093	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2111	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2114	ERJ2GEJ222X	M 2.2KOHM,J,1/10W	
R2115	ERJ2GEJ222X	M 2.2KOHM,J,1/10W	
R2117	D0GBR00Z0002	M 0OHM,J,1/10W	
R2119	D0GBR00Z0002	M 0OHM,J,1/10W	
R2121	ERJ8GEYJ3R3	M 3.3OHM,J,1/10W	
R2123	ERJ8GEYJ3R3	M 3.3OHM,J,1/10W	
R2125	ERJ8GEYJ3R3	M 3.3OHM,J,1/10W	
R2126	ERJ2GEJ103X	F 0OHM ,J,1/10W	
R2127	ERJ8GEYJ3R3	M 3.3OHM,J,1/10W	
R2128	ERJ2GEJ473X	F 1KOHM ,J,1/10W	
R2130	ERJ2GEJ104X	F 100KOHM ,J,1/10W	
R2132	ERJ2GEJ471X	M 470OHM,J,1/10W	
R2134	D0GBR00Z0002	M 0OHM,J,1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2135	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R2138	ERJ2GEJ104X	F 100KOHM ,J,1/10W	
R2141	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R2142	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R2146	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R2147	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R2150	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R2151	ERJ2GEJ104X	F 100KOHM ,J,1/10W	
R2152	ERJ2GEJ104X	F 100KOHM ,J,1/10W	
R2153	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2154	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2155	ERJ2GEJ563X	M 56KOHM,J,1/10W	
R2156	ERJ2GEJ104X	F 100KOHM ,J,1/10W	
R2160	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R2165	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2166	ERJ2GEJ222X	M 2.2KOHM,J,1/10W	
R2169	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R2170	ERJ2GEJ222X	M 2.2KOHM,J,1/10W	
R2173	ERJ2GEJ100X	M 10OHM,J,1/10W	
R2174	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R2175	ERJ2GEJ103X	F 10KOHM ,J,1/10W	
R2176	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R2177	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R2178	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R2183	D0GBR00Z0002	M 0OHM,J,1/10W	
R2189	D0GBR00Z0002	M 0OHM,J,1/10W	
R2271	EXB28V220JX	RESISTOR	
R2272	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R2273	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R2500	ERJ3GEY0R00	M 0OHM,J,1/16W	
R2501	ERJ3EKF1741	M 1.74KOHM,J,1/10W	
R2502	ERJ3EKF7151	M7.15KOHM,F,1/16W	
R2503	ERJ3EKF6651	M 6.65KOHM,F,1/10W	
R2504	ERJ3EKF1432	M 14.3KOHM,F,1/10W	
R2600	D1BB2700A055	CHIP RESISTOR	
R2602	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R2604	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R2607	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R2608	D0GB103JA041	CHIP RESISTOR	
R2609	D1BB60400001	CHIP RESISTOR	
R2612	ERJ3GEYJ470	M 47OHM,J,1/16W	
R2615	D1BB1402A055	CHIP RESISTOR	
R2616	D1BB3242A055	CHIP RESISTOR	
R2617	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R2618	D0GB104JA041	CHIP RESISTOR	
R2619	D0GB103JA041	CHIP RESISTOR	
R2901	D0GB103JA041	CHIP RESISTOR	
R2903	D0GBR00Z0002	CHIP RESISTOR	
R2905	ERJ2GE0R00X	M 0OHM,J,1/10W	
R2909	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R2910	ERJ2GEJ221X	RESISTOR	
R2912	D0GBR00Z0002	M 0OHM,J,1/10W	
R2915	ERJ2GEJ221X	M 220OHM,J,1/10W	
R2918	ERJ2GEJ103X	F 10OHM ,J, 1/10W	
R2926	D0GB103JA041	CHIP RESISTOR	
R2927	ERJ2GE0R00X	M 0OHM,J,1/10W	
R2931	D0GBR00Z0002	M 0OHM,J,1/10W	
R2932	ERJ2GEJ682X	RESISTOR	
R2933	ERJ2GEJ682X	RESISTOR	
R2934	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R2935	ERJ2GEJ220X	F 22OHM ,J,1/10W	
R3000	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R3001	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R3002	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R3003	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R3004	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R3005	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R3012	ERJ2GEJ102X	F 1KOHM ,J,1/10W	
R3013	ERJ2GEJ473X	F 47KOHM ,J,1/10W	
R3014	ERJ2GEJ274X	M 270KOHM,J,1/10W	
R3015	ERJ6GEYJ105	M 1MOHM,J,1/10W	
R3018	ERJ3GEYJ331	M 330OHM,J,1/16W	
R3019	ERJ2GEJ101X	RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R3020	ERJ3GEYJ331	M 330OHM, J, 1/16W	
R3021	ERJ2GEJ101X	M 100OHM, J, 1/10W	
R3024	ERJ2GEJ104X	F 100KOHM, J, 1/10W	
R3025	ERJ2GEJ104X	F 100KOHM, J, 1/10W	
R3033	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3034	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3037	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3038	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3043	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3045	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3047	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3048	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3049	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3050	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3051	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3052	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3072	ERJ6ENF1500	M 150OHM, 1/10W	
R3074	ERJ6ENF1500	M 150OHM, 1/10W	
R3075	ERJ6ENF1500	M 150OHM, 1/10W	
R3076	ERJ6ENF1500	M 150OHM, 1/10W	
R3077	ERJ6ENF1500	M 150OHM, 1/10W	
R3078	ERJ6ENF75R0	M 75OHM, 1/10W	
R3084	ERJ6ENF75R0	M 75OHM, 1/10W	
R3085	ERJ6ENF75R0	M 75OHM, 1/10W	
R3086	ERJ6ENF75R0	M 75OHM, 1/10W	
R3097	ERJ6ENF1500	M 150OHM, 1/10W	
R3100	ERJ2GEJ104X	F 100KOHM, J, 1/10W	
R3101	ERJ2GEJ472X	M 4.7KOHM, 1/10W	
R3102	ERJ6ENF1500	M 150OHM, 1/10W	
R3103	ERJ2GEJ472X	M 4.7KOHM, 1/10W	
R3105	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3106	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3107	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3108	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3109	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3112	D0GBR00Z0002	M 0OHM, J, 1/10W	
R3113	D0GBR00Z0002	M 0OHM, J, 1/10W	
R3116	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3117	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3118	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3119	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3120	ERJ2GEJ331X	M 330OHM, J, 1/10W	
R3121	ERJ6ENF75R0	M 75OHM, 1/10W	
R3123	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3124	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3125	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3128	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3129	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3130	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R3131	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R3132	ERJ2GEJ680X	M 68OHM, J, 1/16W	
R3133	ERJ2GEJ680X	M 68OHM, J, 1/16W	
R3134	ERJ2GEJ680X	M 68OHM, J, 1/16W	
R3136	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3138	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3139	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3140	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3141	D0GB102JA041	M 1kOHM, J, 1/10W	
R3146	ERJ2GEJ331X	M 330OHM, J, 1/10W	
R3147	ERJ2GEJ472X	M 4.7KOHM, J, 1/10W	
R3148	ERJ6ENF75R0	M 75OHM, 1/10W	
R3149	ERJ6ENF75R0	M 75OHM, 1/10W	
R3151	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R3152	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R3158	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3159	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3160	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3161	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3164	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3165	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R3166	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3167	ERJ6ENF75R0	M 75OHM, 1/10W	
R3169	ERJ2GEJ104X	F 100KOHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3186	ERJ6ENF1500	M 150OHM, 1/10W	
R3187	ERJ6ENF1500	M 150OHM, 1/10W	
R3188	ERJ6ENF1500	M 150OHM, 1/10W	
R3189	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R3190	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R3191	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R3193	ERJ6ENF1500	M 150OHM, 1/10W	
R3198	ERJ6ENF1500	M 150OHM, 1/10W	
R3199	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3201	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3212	ERJ6ENF1500	M 150OHM, 1/10W	
R3213	ERJ6ENF1500	M 150OHM, 1/10W	
R3218	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3219	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R3222	D0GDR00Z0002	M 0OHM, J, 1/10W	
R3223	ERJ2GEJ101X	M 100OHM, J, 1/10W	
R3224	D0GDR00Z0002	M 0OHM, J, 1/10W	
R3225	ERJ2GEJ101X	M 100OHM, J, 1/10W	
R3226	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R3227	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R3228	D0GDR00Z0002	M 0OHM, J, 1/10W	
R3229	D0GDR00Z0002	M 0OHM, J, 1/10W	
R3230	ERJ6ENF75R0	M 75OHM, 1/10W	
R3231	D0GDR00Z0002	M 0OHM, J, 1/10W	
R3232	ERJ6ENF75R0	M 75OHM, 1/10W	
R3233	D0GDR00Z0002	M 0OHM, J, 1/10W	
R3234	ERJ6ENF75R0	M 75OHM, 1/10W	
R3235	D0GDR00Z0002	M 0OHM, J, 1/10W	
R3236	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R3237	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R3238	ERJ2GEJ101X	M 100OHM, J, 1/10W	
R3240	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R3700	ERJ6GEYJ393	M 39KOHM, J, 1/10W	
R3701	ERJ6GEYJ393	M 39KOHM, J, 1/10W	
R3702	ERJ6GEYJ184	M 180KOHM, J, 1/10W	
R3703	ERJ6GEYJ184	M 180KOHM, J, 1/10W	
R3710	D0GD103JA036	M 10KOHM, J, 1/10W	
R4205	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4206	ERJ2GEJ103X	F 1KOHM, J, 1/10W	
R4207	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4209	EXB28V680JX	RESISTOR	
R4213	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4214	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4216	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4217	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4218	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4219	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4221	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R4223	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R4224	ERJ2GEJ103X	F 1KOHM, J, 1/10W	
R4225	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R4226	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R4227	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4228	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4229	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4230	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4234	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4238	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R4239	ERJ2RKF4701X	M 4.7KOHM, J, 1/10W	
R4240	D1BA68R0A014	M 68OHM, J, 1/10W	
R4241	ERJ2GE0R00X	F 0KOHM, J, 1/10W	
R4242	ERJ2RKF2202X	M 22KOHM, J, 1/10W	
R4243	EXB2HV470JV	RESISTOR	
R4244	EXB2HV470JV	RESISTOR	
R4245	EXB2HV470JV	RESISTOR	
R4246	ERJ2GEJ101X	M 100KOHM, J, 1/10W	
R4247	ERJ2GEJ334X	M 330KOHM, J, 1/10W	
R4248	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R4249	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R4250	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R4251	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4252	ERJ2GEJ681X	M 68OHM, J, 1/10W	
R4254	D0GBR00Z0002	M 0OHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4257	EXB28V220JX	RESISTOR	
R4258	EXB28V220JX	RESISTOR	
R4259	EXB28V220JX	RESISTOR	
R4260	EXB28V220JX	RESISTOR	
R4261	EXB28V220JX	RESISTOR	
R4262	EXB28V220JX	RESISTOR	
R4263	EXB28V220JX	RESISTOR	
R4264	EXB28V220JX	RESISTOR	
R4265	ERJ3GEYJ220	M 22OHM, J, 1/16W	
R4266	ERJ3GEYJ220	M 22OHM, J, 1/16W	
R4267	ERJ3GEYJ220	M 22OHM, J, 1/16W	
R4268	ERJ3GEYJ220	M 22OHM, J, 1/16W	
R4269	EXB28V220JX	RESISTOR	
R4270	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R4271	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R4272	ERJ3GEYJ220	M 22OHM, J, 1/16W	
R4273	ERJ3GEYJ220	M 22OHM, J, 1/16W	
R4274	EXB28V220JX	RESISTOR	
R4275	EXB28V220JX	RESISTOR	
R4276	EXB28V220JX	RESISTOR	
R4277	ERJ3GEYJ151	M 150OHM, J, 1/16W	
R4289	ERJ2RKF1001X	M 1KOHM, J, 1/10W	
R4290	ERJ2RKF1001X	M 1KOHM, J, 1/10W	
R4291	D1BB6802A055	M 68KOHM, J, 1/10W	
R4292	D1BB3002A055	M 30KOHM, J, 1/10W	
R4294	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4295	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4296	ERJ2GEOR00X	F 0KOHM, J, 1/10W	
R4297	ERJ2GEOR00X	F 0KOHM, J, 1/10W	
R4298	ERJ2GEOR00X	F 0KOHM, J, 1/10W	
R4299	ERJ2GEOR00X	F 0KOHM, J, 1/10W	
R4300	ERJ2GEOR00X	F 0KOHM, J, 1/10W	
R4301	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4302	ERJ2GEJ102X	F 1KOHM, J, 1/10W	
R4303	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4304	ERJ2GEJ302X	M 3KOHM, J, 1/10W	
R4308	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4309	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4310	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4311	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4312	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4313	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4314	ERJ2GEJ102X	F 1KOHM, J, 1/10W	
R4315	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4316	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4317	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4318	ERJ6ENF5111	F 5.11KOHM, J, 1/10W	
R4319	ERJ6ENF4871	M4.87KOHM, 1/10W	
R4320	ERJ2RKF3001X	M 3KOHM, 1/10W	
R4321	ERJ2GEJ102X	F 1KOHM, J, 1/10W	
R4322	ERJ2RKF3901X	M 3.9KOHM, 1/10W	
R4323	ERJ2GEJ104X	F 100KOHM, J, 1/10W	
R4324	ERJ2GEJ682X	M 6.8KOHM, 1/10W	
R4326	ERJ2GEJ100X	M 10OHM, 1/10W	
R4327	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4328	ERJ2GEJ101X	M 10OHM, 1/10W	
R4330	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R4331	ERJ2GEJ472X	M 22OHM, 1/10W	
R4332	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R4333	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R4334	ERJ2GEJ472X	M 22OHM, 1/10W	
R4335	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R4336	ERJ2GEJ680X	M 68OHM, J, 1/10W	
R4337	EXB2HV680JV	RESISTOR	
R4338	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4339	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4340	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4343	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4345	ERJ2GEJ680X	M 68OHM, 1/10W	
R4348	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4349	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4352	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4353	ERJ2GEJ103X	F 10KOHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4356	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4357	ERJ2GEJ223X	M 22KOHM, 1/10W	
R4360	ERJ2GEJ223X	M 22KOHM, 1/10W	
R4361	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4375	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4376	ERJ2GEJ222X	M 2.2KOHM, 1/10W	
R4377	ERJ2GEJ680X	M 68OHM, 1/10W	
R4378	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R4379	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R4385	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4388	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4391	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4399	D1BB2001A055	M 2KOHM, 1/10W	
R4400	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4406	EXB2HV680JV	RESISTOR	
R4408	EXB2HV680JV	RESISTOR	
R4410	EXB2HV680JV	RESISTOR	
R4413	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4421	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4422	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4424	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4425	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4426	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4427	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4428	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4429	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4430	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4451	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4452	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4456	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4457	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4458	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4500	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4501	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4502	ERJ2GEJ330X	M 33OHM, J, 1/10W	
R4503	ERJ2GEJ330X	M 33OHM, J, 1/10W	
R4524	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4525	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4526	ERJ2GEJ102X	F 1KOHM, J, 1/10W	
R4527	ERJ2GEJ102X	F 1KOHM, J, 1/10W	
R4528	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4530	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4532	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4533	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4552	ERJ2GEJ220X	F 22OHM, J, 1/10W	
R4558	ERJ2GEJ105X	FIXED RESISTOR	
R4559	ERJ2GEJ514X	F 1MOHM, J, 1/10W	
R4560	ERJ2GEJ331X	M 510OHM, J, 1/10W	
R4562	ERJ2GEJ473X	M 330OHM, J, 1/10W	
R4563	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4564	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4565	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4566	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4567	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4587	D1BB60400001	F 47KOHM, J, 1/10W	
R4588	D1BB8060A055	M 604OHM, J, 1/10W	
R4589	D1BB8060A055	M 2.2KOHM, J, 1/10W	
R4592	D1BB8060A055	M 2.2KOHM, J, 1/10W	
R4593	D1BB2201A055	M 2.2KOHM, J, 1/10W	
R4596	ERJ6GEYJ102	M 2.2KOHM, J, 1/10W	
R4597	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R4598	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R4600	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4601	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R4603	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4604	ERJ2GEJ473X	F 47KOHM, J, 1/10W	
R4605	D1BB2201A055	M 1.1KOHM, J, 1/10W	
R4606	D1BB9101A055	M 9.1KOHM, J, 1/10W	
R4608	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R4609	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R4610	ERJ2GEOR00X	F 0OHM, J, 1/10W	
R4611	D1BB5601A055	M 5.6KOHM, J, 1/10W	
R4613	ERJ2GEJ473X	F 47KOHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4615	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R4616	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R4617	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R4624	ERJ2GEJ102X	F 1KOHM,J,1/10W	
R4625	ERJ2GEJ102X	F 1KOHM,J,1/10W	
R4626	D1BB2200A055	M 200OHM,J,1/10W	
R4627	D1BB2200A055	M 200OHM,J,1/10W	
R4628	ERJ2GE0R00X	F 0OHM,J,1/10W	
R4629	ERJ2GE0R00X	F 0OHM,J,1/10W	
R4631	D1BB4990A055	M 200OHM,J,1/10W	
R4634	D1BB2200A055	M 200OHM,J,1/10W	
R4635	EXB28V680JX	F 0OHM,J,1/10W	
R4636	ERJ2GEJ680X	F 0OHM,J,1/10W	
R4637	ERJ2GEJ680X	M 499OHM,J,1/10W	
R4638	ERJ2GEJ680X	M 200OHM,J,1/10W	
R4639	EXB28V680JX	M 68OHM, 1/10W	
R4640	EXB28V680JX	M 68OHM, 1/10W	
R4642	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R4643	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R4644	ERJ2GE0R00X	M 68OHM, 1/10W	
R4645	ERJ2GEJ680X	M 68OHM, 1/10W	
R4646	ERJ2GEJ680X	M 68OHM, 1/10W	
R4647	ERJ2GEJ680X	M 68OHM, 1/10W	
R4648	EXB28V330JX	RESISTOR	
R4649	EXB28V680JX	M 68OHM, 1/10W	
R4650	ERJ2GEJ680X	M 68OHM, 1/10W	
R4651	ERJ2GEJ680X	M 68OHM, 1/10W	
R4652	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R4656	ERJ2GEJ222X	M 2.2KOHM, 1/10W	
R4657	ERJ2GE0R00X	F 0OHM,J,1/10W	
R4658	ERJ2GE0R00X	F 0OHM,J,1/10W	
R4664	D1BB60400001	M 604OHM, 1/10W	
R4666	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R4670	ERJ2GEJ680X	M 68OHM, 1/10W	
R4673	ERJ2GE0R00X	F 0OHM,J,1/10W	
R4678	EXB28V680JX	M 68OHM, 1/10W	
R4679	EXB28V680JX	M 68OHM, 1/10W	
R4680	ERJ2GEJ680X	M 68OHM, 1/10W	
R4708	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R4731	ERJ2GE0R00X	F 47KOHM,J,1/10W	
R4732	ERJ2GE0R00X	F 47KOHM,J,1/10W	
R4733	ERJ2GE0R00X	F 47KOHM,J,1/10W	
R4734	ERJ2GE0R00X	F 47KOHM,J,1/10W	
R4740	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R5400	ERJ2GEJ104X	F 100KOHM,J,1/10W	
R5401	D1BB1002A055	M 10KOHM, 1/10W	
R5402	D1BB2612A055	M 26.1KOHM, 1/10W	
R5403	D1BB1002A055	M 10KOHM, 1/10W	
R5404	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5405	ERJ2GEJ104X	F 100KOHM,J,1/10W	
R5406	D1BB4021A055	M 4.02KOHM, 1/10W	
R5407	D1BB3301A055	M 3.3KOHM, 1/10W	
R5408	D1BB1002A055	M 10KOHM, 1/10W	
R5409	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5415	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R5416	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R5417	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R5418	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R5419	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R5420	D0GBR00Z0002	M 0OHM, 1/10W	
R5421	D0GBR00Z0002	M 0OHM, 1/10W	
R5422	D0GBR00Z0002	M 0OHM, 1/10W	
R5423	D0GBR00Z0002	M 0OHM, 1/10W	
R5600	ERJ2GEJ680X	M 68OHM, 1/10W	
R5601	D0GBR00Z0002	M 0OHM, 1/10W	
R5602	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5603	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5604	D1BB4702A055	M 47KOHM, 1/10W	
R5605	D1BB1272A055	M 12.7KOHM, 1/10W	
R5606	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5607	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5610	ERJ2GEJ104X	F 100KOHM,J,1/10W	
R5611	D1BB4702A055	M 47KOHM, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R5612	D1BB3602A055	M 36KOHM, 1/10W	
R5614	D0GBR00Z0002	M 0OHM,Z, 1/10W	
R5616	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5619	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5620	ERJ2GEJ680X	M 0OHM,J, 1/10W	
R5621	D1BB2802A055	M 28KOHM, 1/10W	
R5622	ERJ2GEJ104X	F 100KOHM,J,1/10W	
R5623	D1BB4702A055	M 47KOHM, 1/10W	
R5625	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5626	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5627	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5628	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5629	D1BB2802A055	M 28KOHM, 1/10W	
R5630	D1BB4752A055	M 47.5KOHM, 1/10W	
R5631	D1BB3602A055	M 36KOHM, 1/10W	
R5632	D1BB3002A055	M 30KOHM, 1/10W	
R5633	D1BB3602A055	M 36KOHM, 1/10W	
R5634	D1BB2802A055	M 28KOHM, 1/10W	
R5635	ERJ2GEJ223X	M 22KOHM,J, 1/10W	
R5636	ERJ2GEJ683X	M 68KOHM,J, 1/10W	
R5638	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R5641	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R5644	ERJ2GEJ222X	M 2.2KOHM,J, 1/10W	
R5646	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R5647	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R5660	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R5661	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R5662	ERJ2GEJ223X	M 22KOHM,J, 1/10W	
R5663	ERJ2GEJ101X	M 100OHM,J, 1/10W	
R5664	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5698	ERJ2GE0R00X	F 0OHM,J,1/10W	
R5699	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R5702	ERJ2GEJ222X	M 2.2KOHM,J, 1/10W	
R5703	D0GDR00Z0002	M 0OHM,J, 1/10W	
R5704	D0GDR00Z0002	M 0OHM,J, 1/10W	
R5705	D0GDR00Z0002	M 0OHM,J, 1/10W	
R7000	D0XB106J0003	M 10MOHM ,J, 1W	⚠
R7001	ERC12ZGK105	S 1MOHM,K, 1/2W	
R7002	ERF2AJ100P	M 10OHM ,J, 2W	
R7003	ERJ6GEYJ100	M 100HM,J,1/10W	
R7004	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R7005	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R7006	D0GD4R7JA059	M 100KOHM,J,1/10W	
R7007	ERJ6GEYJ473	M 47KOHM,J,1/10W	
R7008	ERJ6GEYJ221	M 220OHM,J,1/10W	
R7009	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R7010	ERJ6GEYJ331	M 330OHM,J,1/10W	
R7011	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R7012	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R7013	ERJ6GEYJ224	M 220KOHM,J,1/10W	
R7014	ERJ6GEYJ224	M 220KOHM,J,1/10W	
R7015	ER0S2CHF5603	M 560KOHM,J,1/10W	
R7016	ER0S2CHF5603	M 560KOHM,J,1/10W	
R7017	ER0S2CHF5603	M 560KOHM,J,1/10W	
R7018	D1BD1002A044	M 10KOHM,J,1/10W	
R7019	ERJ6GEYJ473	M 47KOHM,J,1/10W	
R7020	ERJ6GEYJ680	M 68OHM,J,1/10W	
R7021	ERJ6GEYJ393	M 39KOHM,J,1/10W	
R7022	ERJ6GEYJ221	M 220OHM,J,1/10W	
R7023	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R7024	ERJ6GEYJ473	M 47KOHM,J,1/10W	
R7025	ERJ6GEYJ220	M 22OHM,J,1/10W	
R7026	ERJ6GEYJ473	M 47KOHM,J,1/10W	
R7027	D0GD103JA036	M 10KOHM,J,1/10W	
R7028	ERJ12YJ473U	M 47KOHM,J,1/2W	
R7029	ERJ6GEYJ473	M 47KOHM,J,1/10W	
R7032	ERJ6ENF5602	M 56KOHM, 1/10W	
R7033	ERJ6ENF5602	M 56KOHM, 1/10W	
R7034	ERJ6ENF5602	M 56KOHM, 1/10W	
R7035	ERJ6ENF3001	M 3KOHM, 1/10W	
R7036	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R7037	ERJ6GEYJ224	M 220KOHM,J,1/10W	
R7038	ERJ12YJ470U	M 47OHM,J,1/2W	

Ref. No.	Part No.	Part Name & Description	Remarks
R7039	ERJ12YJ221U	M 220OHM, J, 1/2W	
R7040	D0GD4R7JA059	M 4.70HM, J, 1/10W	
R7041	ERDS2TJ470	C 470HM, J, 1/4W	
R7043	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R7044	D1BD1002A044	M 10KOHM, J, 1/10W	
R7046	D0GDR00Z0002	M 00HM, J, 1/2W	
R7047	D0GD103JA036	M 10KOHM, J, 1/10W	
R7048	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R7049	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R7050	ERJ6GEYJ100	M 10OHM, J, 1/10W	
R7052	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R7053	ERJ6ENF8451	M 8.45KOHM, J, 1/10W	
R7054	ERJ6ENF2201	M 2.2KOHM, 1/10W	
R7056	ERJ6ENF2703	M 270KOHM, 1/10W	
R7057	ERJ6ENF2703	M 270KOHM, 1/10W	
R7058	ERJ6ENF2703	M 270KOHM, 1/10W	
R7059	D0GD103JA036	M 10KOHM, 1/10W	
R7060	ERJ6GEYJ183	M 18KOHM, J, 1/10W	
R7061	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R7062	D0GD103JA036	M 10KOHM, 1/10W	
R7063	ERJ6ENF2703	M 270KOHM, 1/10W	
R7064	ERJ6ENF2703	M 270KOHM, 1/10W	
R7065	ERJ6ENF2703	M 270KOHM, 1/10W	
R7066	ERJ6ENF2703	M 270KOHM, 1/10W	
R7067	ERJ6ENF2703	M 270KOHM, 1/10W	
R7068	ERJ6ENF6802	M 68KOHM, 1/10W	
R7069	D1BD1002A044	M 10KOHM, J, 1/10W	
R7070	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R7071	ERJ6GEYJ224	M 220KOHM, J, 1/10W	
R7072	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R7073	ERJ6ENF1213	M 121KOHM, J, 1/10W	
R7074	ERJ6ENF5602	M 56KOHM, 1/10W	
R7075	ERJ6ENF5602	M 56KOHM, 1/10W	
R7076	ERJ6ENF5602	M 56KOHM, 1/10W	
R7077	ERJ6ENF5602	M 56KOHM, 1/10W	
R7078	ERJ6ENF5602	M 56KOHM, 1/10W	
R7089	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R7091	ERJ8GEYJ470	M 47OHM, J, 1/10W	
R7092	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	
R7094	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	
R7095	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R7096	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R7097	D0GD103JA036	M 10KOHM, 1/10W	
R7098	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R7099	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	
R7100	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	
R7101	ERX2SJ5R6P	M 5.6OHM, J, 2W	
R7110	D1BD1002A044	M 10KOHM, J, 1/10W	
R7111	ERJ6ENF6342	M 63.4KOHM, J, 1/10W	
R7113	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R7117	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R7118	ERX1SJ1R8P	M 1.8OHM, J, 1W	
R7120	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R7121	ERJ6GEYJ333	M 33KOHM, J, 1/10W	
R7122	D0GDR00Z0002	M 1.8OHM, J, 1W	
R7123	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R7125	D0GDR00Z0002	M 1.8OHM, J, 1W	
R7126	ERJ6ENF7151	M 7.15KOHM, 1/10W	
R7127	ERJ6ENF3012	F 30.1KOHM, 1/10W	
R7128	D0GDR00Z0002	M 00HM, J, 1/2W	
R7129	ERX1SJ1R5P	M 1.5OHM, J, 1W	
R7130	ERX2SJR22P	M 0.22OHM, J, 2W	
R7131	ERX2SJR33P	M 0.33OHM, J, 2W	
R7132	ERG2SJ104H	M 100KOHM, J, 2W	
R7133	D0GDR00Z0002	M 10KOHM, J, 1/10W	
R7134	D0GDR00Z0002	M 10KOHM, J, 1/10W	
R7135	D0GD103JA036	M 10OHM, J, 1/10W	
R7136	D0GDR00Z0002	M 10KOHM, J, 1/10W	
R7137	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R7138	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R7139	D0GDR00Z0002	M 00HM, J, 1/2W	
R7145	ERJ12YJ473U	M 47KOHM, J, 1/2W	
R7146	ERJ12YJ473U	M 47KOHM, J, 1/2W	

Ref. No.	Part No.	Part Name & Description	Remarks
R7147	ERJ12YJ473U	M 47KOHM, J, 1/2W	
R7152	ERJ12YJ471U	M 470OHM, J, 1/2W	
R7153	ERJ6GEYJ680	M 68OHM, J, 1/10W	
R7154	ERJ6ENF3742	M 37.4KOHM, J, 1/10W	
R7155	D1BD1002A044	M 10KOHM, J, 1/10W	
R7601	ERJ2GEJ563X	M 56KOHM, J, 1/10W	
R7602	ERJ2GEJ223X	M 22KOHM, J, 1/10W	
R7603	ERJ2GEOR00X	F 00HM, J, 1/10W	
R7604	ERJ2GEOR00X	F 00HM, J, 1/10W	
R7607	ERJ2GEJ104X	F 00HM, J, 1/10W	
R7609	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R8001	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R8002	ERJ2GEJ560X	M 56OHM, J, 1/10W	
R8004	D1BB2402A055	M 24KOHM, J, 1/10W	
R8005	D1BB1002A055	M 10KOHM, J, 1/10W	
R8006	D1BB6801A055	M 6.8KOHM, J, 1/10W	
R8023	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8024	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8025	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8026	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8027	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8028	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8029	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8030	ERJ2GEJ101X	M 100OHM, J, 1/10W	
R8031	D1BB2700A055	M 270OHM, J, 1/10W	
R8032	D1BB2700A055	M 270OHM, J, 1/10W	
R8035	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8036	D0GBR00Z0002	M 00HM, J, 1/10W	
R8039	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8056	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8057	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8058	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8059	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8060	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8061	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8062	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8063	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8064	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8065	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8066	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8067	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8068	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8069	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8070	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8071	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8072	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8073	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8074	ERJ2GEJ221X	M 220OHM, J, 1/10W	
R8075	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8076	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8077	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8078	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8079	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8080	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8081	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R8082	D1BA75R0A014	M 75OHM, J, 1/10W	
R8083	ERJ2GEJ301X	M 300OHM, J, 1/10W	
R8084	ERJ2GEOR00X	F 00HM, J, 1/10W	
R8086	ERJ2GEJ104X	F 100KOHM, J, 1/10W	
R8087	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R8090	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R8091	ERJ2GEJ101X	M 100OHM, J, 1/10W	
R8093	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8095	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R8097	ERJ2GEJ221X	M 22OHM, J, 1/10W	
R8098	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R8099	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R8100	ERJ2GEJ470X	M 47OHM, J, 1/10W	
R8101	ERJ2GEJ103X	F 10KOHM, J, 1/10W	
R8106	ERJ2GEJ202X	M 2KOHM, J, 1/10W	
R8107	ERJ2GEJ101X	M 100OHM, J, 1/10W	
R8108	ERJ2GEJ333X	M 33KOHM, J, 1/10W	
R8328	ERJ2GEJ103X	F 10KOHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R8471	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8472	EXB2HV103JV	RESISTOR	
R8474	EXB28V103JX	RESISTOR	
R8475	EXB28V103JX	RESISTOR	
R8501	ERJ2GEJ101X	M 100OHM,J,1/10W	
R8502	ERJ2GEJ331X	M 330OHM,J,1/10W	
R8503	ERJ2GEJ331X	M 330OHM,J,1/10W	
R8504	ERJ2GEJ331X	M 330OHM,J,1/10W	
R8506	ERJ2GEJ331X	M 330OHM,J,1/10W	
R8508	D1BB91R0A055	M 91OHM,J,1/10W	
R8509	D1BB91R0A055	M 91OHM,J,1/10W	
R8510	D1BB91R0A055	M 91OHM,J,1/10W	
R8556	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8564	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8566	ERJ2GE0R00X	F 0OHM,J,1/10W	
R8601	ERJ2GEJ220X	F 22OHM,J,1/10W	
R8602	ERJ2GEJ220X	F 22OHM,J,1/10W	
R8603	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R8604	D0GDR00Z0002	M 0OHM,J,1/10W	
R8605	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8657	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8658	ERJ2GEJ220X	F 22OHM,J,1/10W	
R8710	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8711	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8712	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8802	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8803	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8804	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8805	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8806	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8807	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8808	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8809	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8810	EXB28V330JX	RESISTOR	
R8811	ERJ2GEJ330X	M 330OHM,J,1/10W	
R8812	ERJ2GE0R00X	F 0OHM,J,1/10W	
R8813	EXB28V680JX	M 68OHM,J,1/10W	
R8814	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8815	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8816	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8817	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8833	D0GBR00Z0002	M 0OHM,J,1/10W	
R8851	ERJ2GE0R00X	F 0OHM,J,1/10W	
R8852	ERJ2GE0R00X	F 0OHM,J,1/10W	
R8853	ERJ2GE0R00X	F 0OHM,J,1/10W	
R8861	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8865	EXB2HV680JV	RESISTOR	
R8866	EXB2HV680JV	RESISTOR	
R8867	EXB2HV680JV	RESISTOR	
R8868	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8871	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8873	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8875	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8876	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8877	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8878	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8879	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8880	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8882	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8883	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8884	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8885	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8886	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8887	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8888	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8889	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8891	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8892	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8894	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8896	ERJ2GE0R00X	F 0OHM,J,1/10W	
R8897	ERJ2GE0R00X	F 0OHM,J,1/10W	
R8898	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8900	ERJ2GEJ680X	M 68OHM,J,1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R8901	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8904	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8905	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8906	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8907	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8908	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8909	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8910	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8911	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8912	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8913	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8914	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8915	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8916	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8917	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8918	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8919	ERJ2GEJ472X	M 4.7KOHM,J,1/10W	
R8920	ERJ2GEJ472X	M 4.7KOHM,J,1/10W	
R8921	ERJ2GEJ472X	M 4.7KOHM,J,1/10W	
R8922	ERJ2GEJ472X	M 4.7KOHM,J,1/10W	
R8923	ERJ2GEJ472X	M 4.7KOHM,J,1/10W	
R8924	ERJ2GEJ472X	M 4.7KOHM,J,1/10W	
R8925	ERJ2GEJ472X	M 4.7KOHM,J,1/10W	
R8926	ERJ2GEJ472X	M 4.7KOHM,J,1/10W	
R8927	ERJ2GE0R00X	F 0OHM,J,1/10W	
R8929	EXB2HVR000V	RESISTOR	
R8935	ERJ2GEJ103X	F 10KOHM,J,1/10W	
R8936	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R8937	ERJ2GEJ473X	F 47KOHM,J,1/10W	
R8938	ERJ2GEJ103X	F 0OHM,J,1/10W	
R8942	ERJ2GEJ562X	M 5.6KOHM,J,1/10W	
R8943	ERJ2GEJ104X	F 100KOHM,J,1/10W	
R8944	ERJ2GEJ223X	M 22KOHM,J,1/10W	
R8946	ERJ2GE0R00X	F 0OHM,J,1/10W	
R8950	ERJ2GE0R00X	F 0OHM,J,1/10W	
R8952	EXB2HV680JV	RESISTOR	
R8953	EXB2HV680JV	RESISTOR	
R8959	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8960	ERJ2GEJ680X	M 68OHM,J,1/10W	
R8963	ERJ2GEJ103X	F 10KOHM,J,1/10W	
		TRANSFORMERS	
T7000	ETS15AB186AH	SWITCHING TRANS	⚠
T7001	G4D3A0000203	TRANS	⚠
T7002	G4D4A0000125	TRANS	⚠
		OTHERS	
A1	K1KA02A00787	CONNECTOR	
A10	K1KA11A00178	CONNECTOR	
A5	K1KB51B00002	CONNECTOR	
A6	K1KY23AA0607	CONNECTOR	
A7	K1KY23AA0607	CONNECTOR	
CF7000	D4CAY8R0A010	COIL	
CN0100	K1KA08AA0714	CONNECTOR	
F7001	K5D502BNA005	FUSE	⚠
FL4201	J0JAD0000028	BEAD CORE	
FL4202	J0JAD0000028	BEAD CORE	
FL4203	J0JAD0000028	BEAD CORE	
FL4204	J0JAD0000028	BEAD CORE	
FL4205	J0JAD0000028	BEAD CORE	
FL4206	F1H0J4740004	CERAMIC CAPACITOR	
JK3001	K1FB315A0006	AV TERMINAL	
JK3100	K1U932A00002	AV TERMINAL	
JK3701	K4AK17B00001	AV TERMINAL	
JK4500	K1FY119D0003	HDMI TERMINAL	
JK4501	K1FY119D0003	HDMI TERMINAL	
JK8801	K1NA09E00080	CARD READER	
JS1100	ERJ2GE0R00X	FIXED RESISTOR	
JS1107	ERJ2GE0R00X	FIXED RESISTOR	
JS2054	ERJ2GE0R00X	FIXED RESISTOR	
JS2059	ERJ2GE0R00X	FIXED RESISTOR	
JS2060	ERJ2GE0R00X	FIXED RESISTOR	
JS2061	ERJ2GE0R00X	FIXED RESISTOR	
JS2062	ERJ2GE0R00X	FIXED RESISTOR	
JS2064	D0GBR00Z0002	CHIP RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
JS2065	ERJ2GE0R00X	FIXED RESISTOR	
JS2069	ERJ2GE0R00X	FIXED RESISTOR	
JS2070	ERJ2GE0R00X	FIXED RESISTOR	
JS2072	ERJ2GE0R00X	FIXED RESISTOR	
JS2104	ERJ2GE0R00X	FIXED RESISTOR	
JS2105	ERJ2GE0R00X	FIXED RESISTOR	
JS2311	ERJ2GE0R00X	FIXED RESISTOR	
JS2313	ERJ2GE0R00X	FIXED RESISTOR	
JS2316	ERJ2GE0R00X	FIXED RESISTOR	
JS2317	ERJ2GE0R00X	FIXED RESISTOR	
JS2318	ERJ2GE0R00X	FIXED RESISTOR	
JS2600	D0GBR00Z0002	CHIP RESISTOR	
JS2902	ERJ2GE0R00X	FIXED RESISTOR	
JS2904	D0GBR00Z0002	CHIP RESISTOR	
JS2905	D0GBR00Z0002	CHIP RESISTOR	
JS3000	ERJ2GE0R00X	FIXED RESISTOR	
JS3001	ERJ2GE0R00X	FIXED RESISTOR	
JS3007	D0GDR00Z0002	CHIP RESISTOR	
JS3008	D0GDR00Z0002	CHIP RESISTOR	
JS3009	D0GDR00Z0002	CHIP RESISTOR	
JS3010	D0GDR00Z0002	CHIP RESISTOR	
JS3012	D0GDR00Z0002	CHIP RESISTOR	
JS3013	D0GDR00Z0002	CHIP RESISTOR	
JS3014	D0GDR00Z0002	CHIP RESISTOR	
JS4200	ERJ2GE0R00X	FIXED RESISTOR	
JS4201	ERJ2GE0R00X	FIXED RESISTOR	
JS4202	ERJ2GE0R00X	FIXED RESISTOR	
JS4203	ERJ2GE0R00X	FIXED RESISTOR	
JS4204	ERJ2GE0R00X	FIXED RESISTOR	
JS4205	ERJ2GE0R00X	FIXED RESISTOR	
JS4206	ERJ2GE0R00X	FIXED RESISTOR	
JS4207	ERJ2GE0R00X	FIXED RESISTOR	
JS4208	ERJ2GE0R00X	FIXED RESISTOR	
JS4209	ERJ2GE0R00X	FIXED RESISTOR	
JS4210	ERJ2GE0R00X	FIXED RESISTOR	
JS4211	ERJ2GE0R00X	FIXED RESISTOR	
JS4212	ERJ2GE0R00X	FIXED RESISTOR	
JS7002	D0GDR00Z0002	CHIP RESISTOR	
K1	K1KA02BA0061	CONNECTOR	
LF7001	G0B103H00002	LINE FILTER	⚠
LF7002	G0B103H00002	LINE FILTER	⚠
LF7003	G0B103H00002	LINE FILTER	⚠
P1	K1KA02B00295	CONNECTOR	
P2	K1KA08AA0190	CONNECTOR	
P3	K1KA04AA0190	CONNECTOR	
P5	K1KA02A00676	CONNECTOR	
P6	K1KY23AA0606	CONNECTOR	
P7	K1KY23AA0606	CONNECTOR	
PA7001	B1ZAZ0000016	TRANSISTOR	
PC7000	CNC1S171R	PHOTO COUPLER	⚠
PC7001	CNC1S171R	PHOTO COUPLER	⚠
RL7001	K6B1AGA00043	RELAY	⚠
RL7030	K6B2ADA00007	RELAY	⚠
RM2600	PNA4701M07TV	IC PHOTO DETECTOR	
S10	K1KA03BA0061	CONNECTOR	
SN2600	B3JB00000046	PHOTO DETECTOR	
SW2500	EVQ11G05R	SWITCH	
SW2501	EVQ11G05R	SWITCH	
SW2502	EVQ11G05R	SWITCH	
SW2503	EVQ11G05R	SWITCH	
SW2504	EVQ11G05R	SWITCH	
SW7980	K0F162B00002	PUSH SWITCH	⚠
TU2901A	ENG39E04GF	TUNER	⚠
V10	K1KA08BA0061	CONNECTOR	
X1100	H0J100500035	CRYSTAL OSC	
X2010	H0J245500089	CRYSTAL OSC	
X4200	H0J270500113	CRYSTAL OSC	
X4201	H0J480500035	CRYSTAL OSC	
X4500	H0J245500089	CRYSTAL OSC	
X8001	H0J270500061	CRYSTAL OSC	