

Service Manual

LCD TV



Model No. TH-L42S20R

Chassis: KM09W

Destination: IRAN

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.

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, Circuit Board 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 of manufacturer.

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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.
4. When conducting repairs and servicing, do not attempt to modify the equipment, its parts or its materials.
5. When wiring units (with cables, flexible cables or lead wires) are supplied as repair parts and only one wire or some of the wires have been broken or disconnected, do not attempt to repair or re-wire the units. Replace the entire wiring unit instead.
6. When conducting repairs and servicing, do not twist the Faston connectors but plug them straight in or unplug them straight out.

1.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be 100 Mohm and over. When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

1.1.2. Leakage Current Hot Check (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5kohm, 10 watts resistor, in parallel with a 0.15 μ F capacitors, 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 an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside 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.

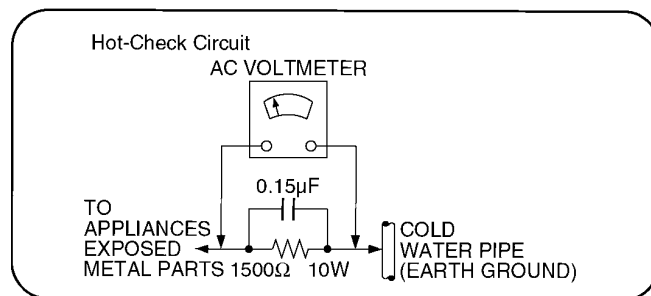


Figure 1

2 Warning

2.1. Prevention of Electrostatic 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 electrostatic 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 aluminum 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 charge 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, aluminum 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 ham less 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).

2.2. 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 used in our manufacturing process and discussed below is (Sn+Ag+Cu).

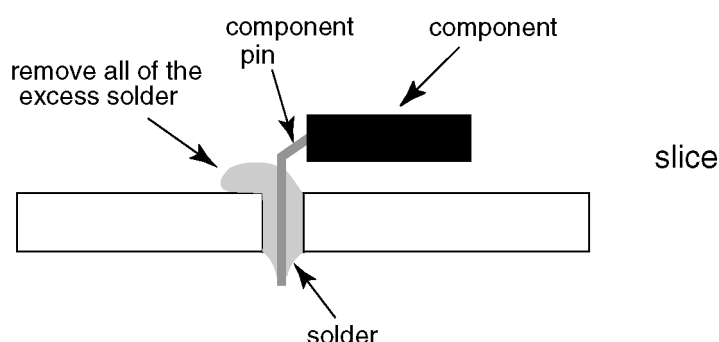
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

PCBs manufactured using lead free solder will have the PbF within a leaf Symbol **PbF** stamped on the back of PCB.

Caution

- Pb free solder has a higher melting point than 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).
- Pb free solder 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 Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



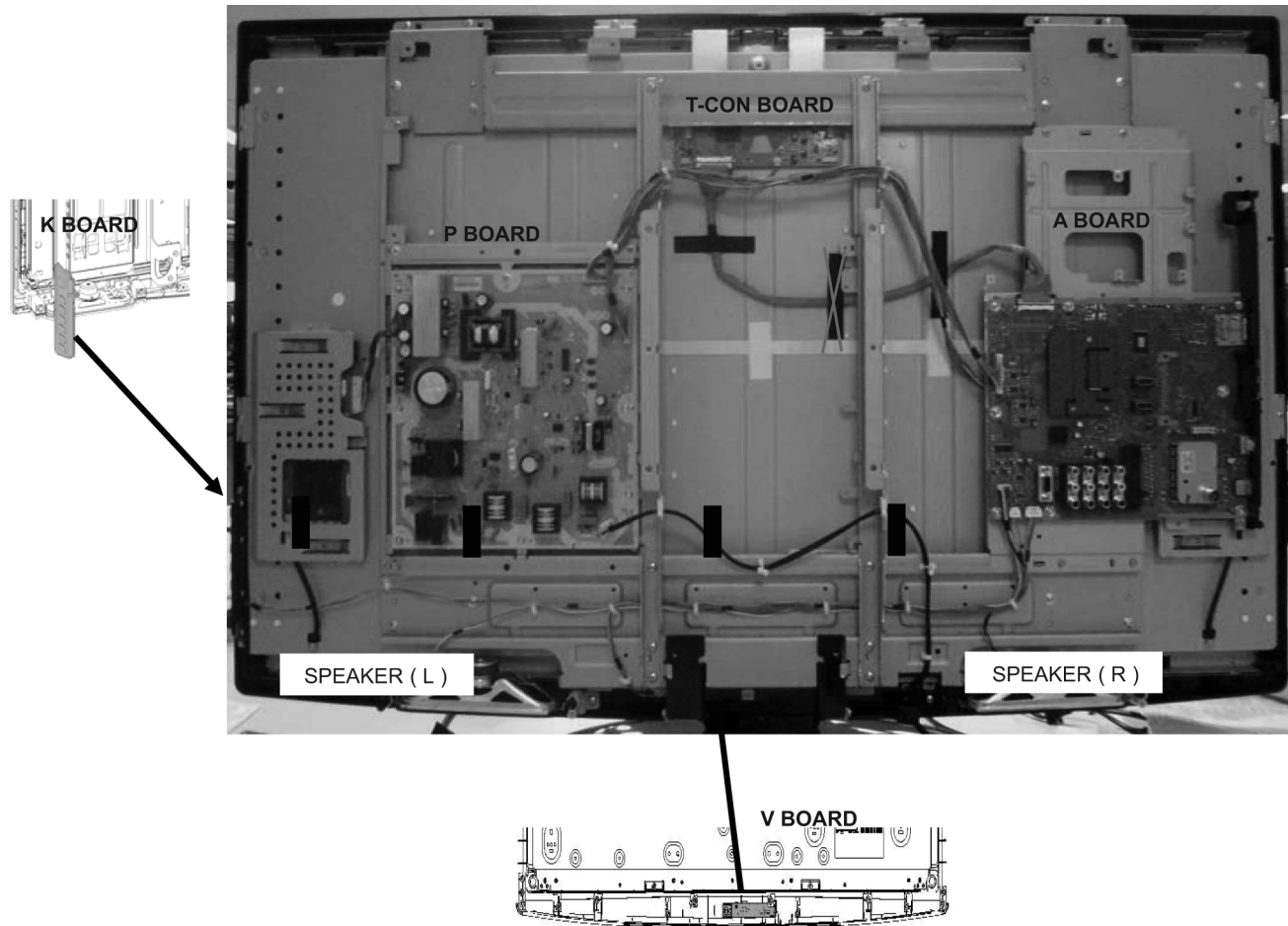
Suggested Pb free solder

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

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g

3 Service Navigation

3.1. Service Hint



Board	Main Device
A BOARD	AVSW, TUN, OFDM, ADV, P-AVC, GENX, EEP, TEMP
P BOARD	Power Supply
V BOARD	Remote, LED, Luminunce Sensor
K BOARD	KEY, Power SW
TC BOARD	T-CON Board

4 Specifications

Power Source	AC Single 220 - 240 V, 50 / 60 Hz
Power Consumption	
Average use	185 W
Standby condition	0.4 W
Display panel	
Aspect Ratio	16:9
Visible screen size	106 cm (diagonal) 930 mm (W) × 523 mm (H)
Number of pixels	2,073,600 (1,920 (W) × 1,080 (H))
Sound	
Speaker	160 mm × 40 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, WVGA, XGA SXGA, WXGA (compressed) Horizontal scanning frequency 31 - 69 kHz Vertical scanning frequency 59 - 86 Hz

Receiving Systems / Band name	17 SYSTEMS	FUNCTIONS
	1 PAL B, G, H 2 PAL I 3 PAL D, K 4 SECAM B, G 5 SECAM D, K 6 SECAM K1 7 NTSC M (NTSC 3.58 / 4.5MHz)	Reception of broadcast transmission and playback from video cassette tape recorders.
	8 NTSC 4.43 / 5.5 MHz 9 NTSC 4.43 / 6.0 MHz 10 NTSC 4.43 / 6.5 MHz 11 NTSC 3.58 / 5.5 MHz 12 NTSC 3.58 / 6.0 MHz 13 NTSC 3.58 / 6.5 MHz 14 SECAM I	Playback from special VCR's or DVD.
	15 PAL 60 Hz / 5.5 MHz 16 PAL 60 Hz / 6.0 MHz 17 PAL 60 Hz / 6.5 MHz	Playback from Special Disc Players and Special VCR's or DVD.

Receiving Channels (Regular TV)	
PAL B/G	2 - 12 (PAL / SECAM B, K1) 0 - 12 (PAL B AUST.) 1 - 9 (PAL B N.Z.) 1 - 12 (PAL / SECAM D) 1 - 12 (NTSC M JAPAN) 2 - 13 (NTSC M USA)
UHF BAND	21 - 69 (PAL G, H, I / SECAM G, K, K1) 28 - 69 (PAL B AUST.) 13 - 57 (PAL D, K) 13 - 62 (NTSC M JAPAN) 14 - 69 (NTSC M USA)
CATV	S1 - S20 (OSCAR) 1 - 125 (USA CATV) C13 - C49 (JAPAN) S21 - S41 (HYPER) Z1 - Z37 (CHINA) 5A, 9A (AUST.)

Aerial - Rear	VHF / UHF
Operating Conditions	Temperature : 0°C - 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	1.0 V [p-p] (including synchronization)
		P _B /C _B , P _R /C _R	± 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)
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)

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] (75 Ω)
Others	HDMI 1 - 3 Input	TYPE A Connectors	• This TV supports 'HDAVI Control 5' function.
	PC Input	HIGH-DENSITY D-SUB 15 PIN	R, G, B/0.7 V [p-p] (75 Ω) HD, VD/TTL LEVEL 2.0-5.0 V [p-p] (high impedance)
Card Slot		SD Card slot × 1	
USB		USB 2.0 Type A connector × 1	
Dimension (W x H x D)		1,021 mm × 680 mm × 310 mm (With Pedestal)	
		1,021 mm × 637 mm × 115 mm (TV only)	
Mass		21.0 kg Net (With Pedestal)	
		18.0 kg Net (TV only)	

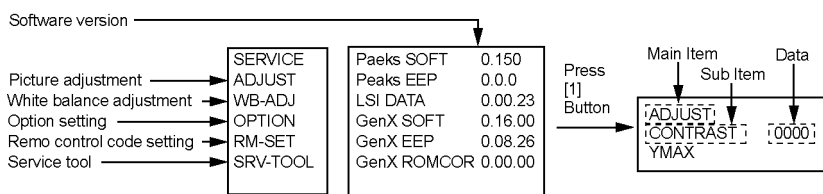
Note

Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.

5 Service Mode

5.1. How to enter into Service Mode

While pressing [VOLUME (-)] button of the main unit, press [INFO] button of the remote control three times within 2 seconds.



5.1.1. Contents of adjustment mode

- Value is shown as a hexadecimal number.
- Preset value differs depending on models.
- After entering the adjustment mode, take note of the value in each item before starting adjustment.

Main item	Sub item	Sample Data	Remark
ADJUST	CONTRAST	000	
	COLOR	4C	
	TINT	00	
	SUB-BRT	808	
	BACKLGT	22E	
	B-Y-G	34	
	R-Y-A	00	
WB-ADJ	R-GAIN	F7	
	G-GAIN	FB	
	B-GAIN	DB	
	R-CENT	82	
	G-CENT	80	
	B-CENT	86	
OPTION	Boot	ROM	Factory Preset.
	STBY-SET	00	
	EMERGENCY	ON	
	CLK MODE	00	
	CLOCK	0E4	
RM-SET		00	Fixed.
SRV-TOOL		00	See next.

5.1.2. How to exit

Switch off the power with the [POWER] button on the main unit or the [POWER] button on the remote control.

5.2. SRV-TOOL

5.2.1. How to access

1. Select [SRV-TOOL] in Service Mode.
2. Press [OK] button on the remote control.

	SRV-TOOL	
Display of TD2Microcode version →	TD2Microcode:81c00011	
Display of Flash ROM maker code →	Flash ROM : 1 - 227E	
Display of SOS History →	PTCT : 00 . 00 . 00 . 00 . 00	Time 000040:40 Count 0000049

POWER ON TIME/COUNT
Press [MUTE] button (3sec)

5.2.2. Display of SOS History

SOS History (Number of LED blinking) indication.

From left side; Last SOS, before Last, three occurrence before, 2nd occurrence after shipment, 1st occurrence after shipment.

This indication except 2nd and 1st occurrence after shipment will be cleared by [Self-check indication and forced to factory shipment setting].

5.2.3. POWER ON TIME/COUNT

Note : To display TIME/COUNT menu, highlight position, then press MUTE for 3sec.

Time : Cumulative power on time, indicated hour : minute by decimal

Count : Number of ON times by decimal

Note : This indication will not be cleared by either of the self-checks or any other command.

5.2.4. Exit

1. Disconnect the AC cord from wall outlet.

5.3. Service Mode Adjustment

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

- Press button R and G for adjustment.

5.3.1. Self Check Mode

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

5.3.2. Hotel Mode Adjustment

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

5.3.3. Hotel Mode

1. Purpose
Restrict a function for hotels.
2. Access command to the Hotel mode setup menu.
In order to display the Hotel mode setup menu, please enter the following command (**within 2 second**).
[TV] : Hold Vol [Down] + [Remote] : Press AV button 3 times.

Then, the Hotel mode setup menu is displayed.

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

Select


 EXIT
 Change
 RETURN

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

6 Troubleshooting Guide

Use the self-check function to test the unit.

1. Checking the IIC bus lines
2. Power LED Blinking timing

6.1. Check of the IIC bus lines

6.1.1. How to access

Self-check indication only:

Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [OK] button on the remote control for more than 3 seconds.

Self-check indication and forced to factory shipment setting:

Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

6.1.2. Exit

Disconnect the AC cord from wall outlet.

6.1.3. Screen display

SELF CHECK		---- . XXXXXX - XXXXXX
PEAKS	OK	
TUN1	OK	
FE	OK	
Hudson	OK	
MEM2	OK	
MEM3	OK	
MEM4	OK	
Copyright Panasonic Corporation 2009.		

6.1.4. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Ref. No.	Description	P.C.B.
PEAKS	IC8001	PEAKS LITE 2P	A-Board
TUN1	TU8300	TUNER	A-Board
FE	IC8300	FRONT END	A-Board
Hudson	IC4003	Hudson2	A-Board
MEM2	IC8503	EEPROM	A-Board
MEM3	IC4004	EEPROM	A-Board
MEM4	IC4504	EEPROM	A-Board

6.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

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

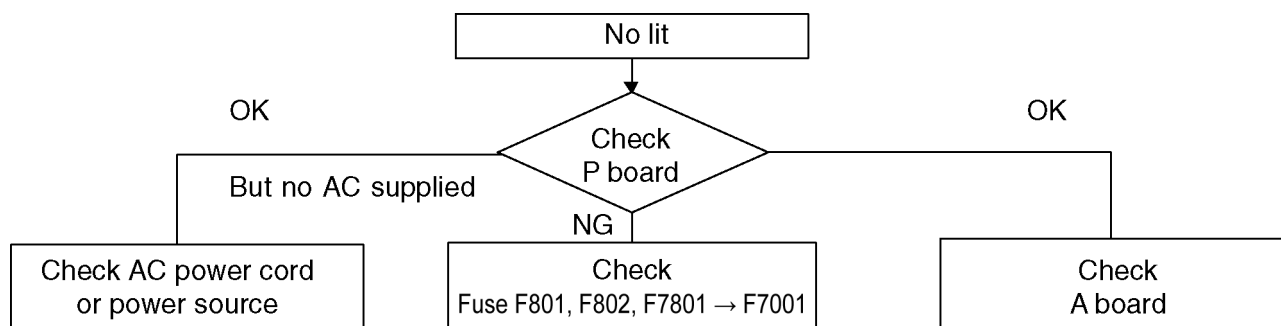
Blinking times	Contents	BOARD
1	Inverter_SOS	P BOARD
2	FAN_SOS	A BOARD
3	SOS	A BOARD
4	DTV_9V	P/A BOARD
5	MAIN_9V	A BOARD
6	SUB_5V	A BOARD
7	SUB_3.3V	A BOARD
8	MAIN_3.3V	A BOARD
9	SOUND_SOS	A BOARD
10	HQ1L_SOS / ZWEI_SOS	A BOARD
13	EMERGENCY SOS	A BOARD
14	Audio PWM SOS	A BOARD

6.3. No Power

First check point

There are following 2 states of No Power indication by power LED.

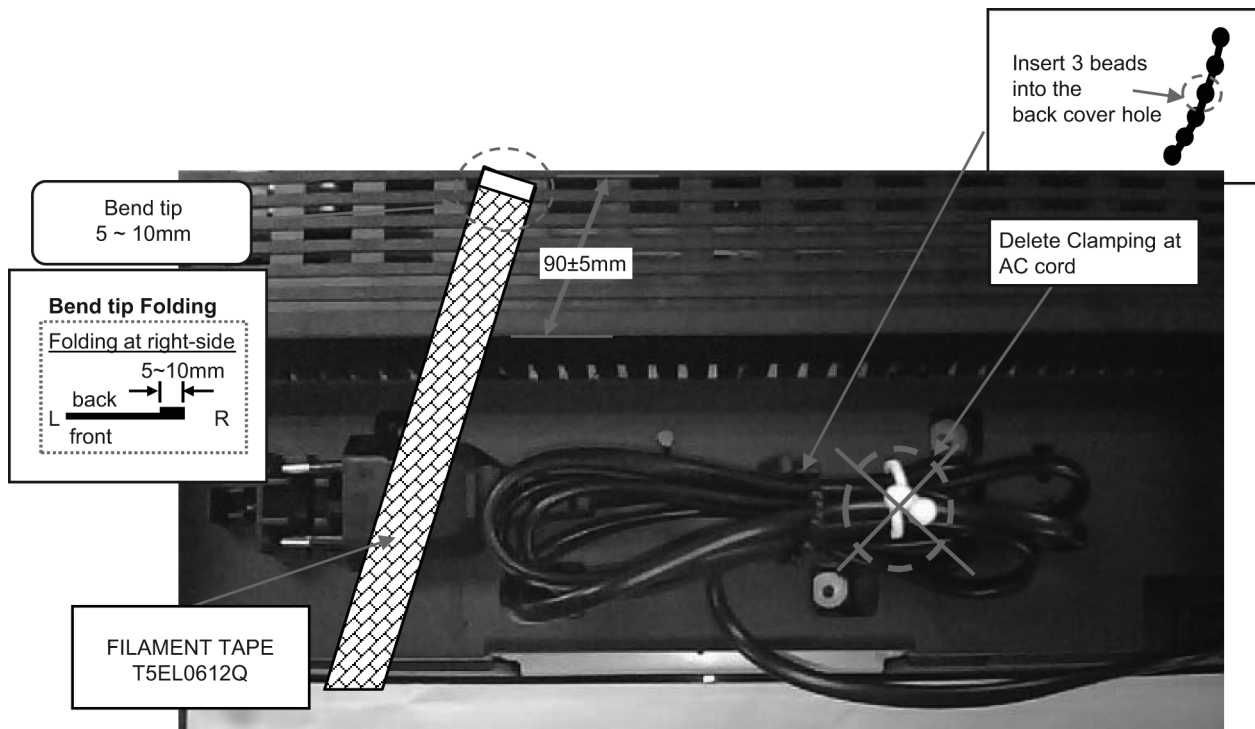
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)



7 Disassembly and Assembly Instructions

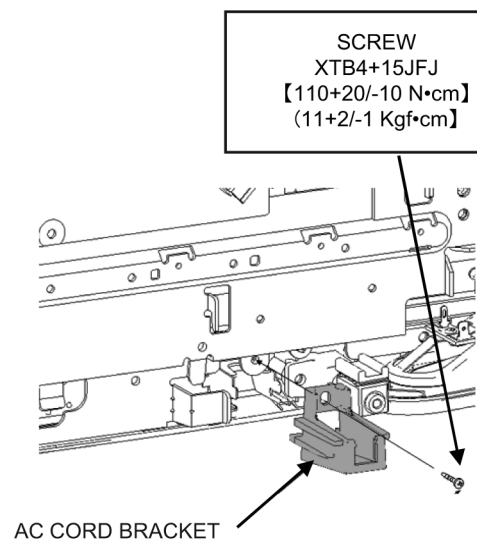
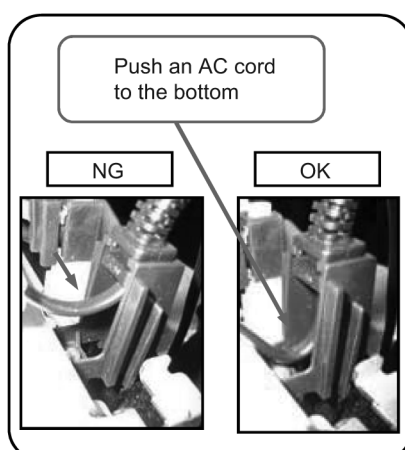
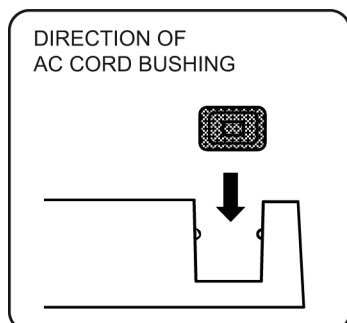
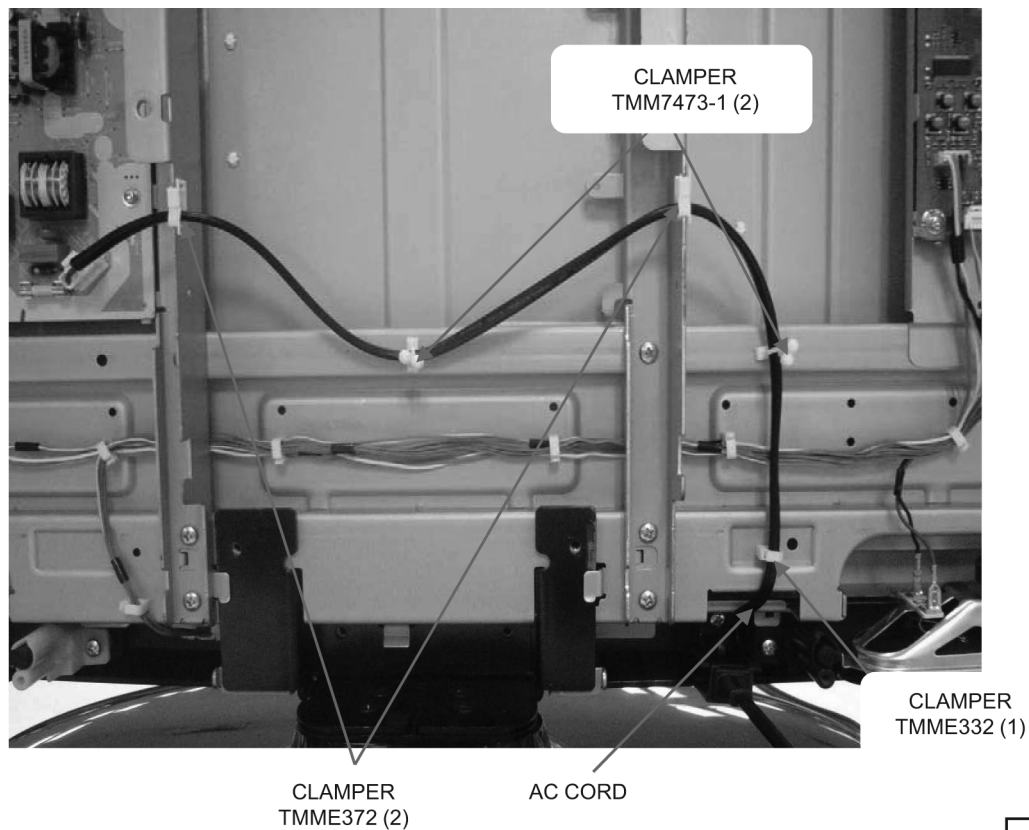
7.1. AC Cord Dressing

1. Insert beads 3 pcs. And slide down to lower hole.
2. Stick filament at ac-cord.



7.2. AC Cord Installation

1. Put on the AC CORD BRACKET on the CABINET.
2. Fix the AC CORD BRACKET with SCREW.
3. Insert AC CORD connector into P-PCB connector.
4. Clamp the AC CORD.
5. Insert AC CORD bushing into the AC CORD BRACKET.
6. AC CORD is pushed into the bottom of the bracket.

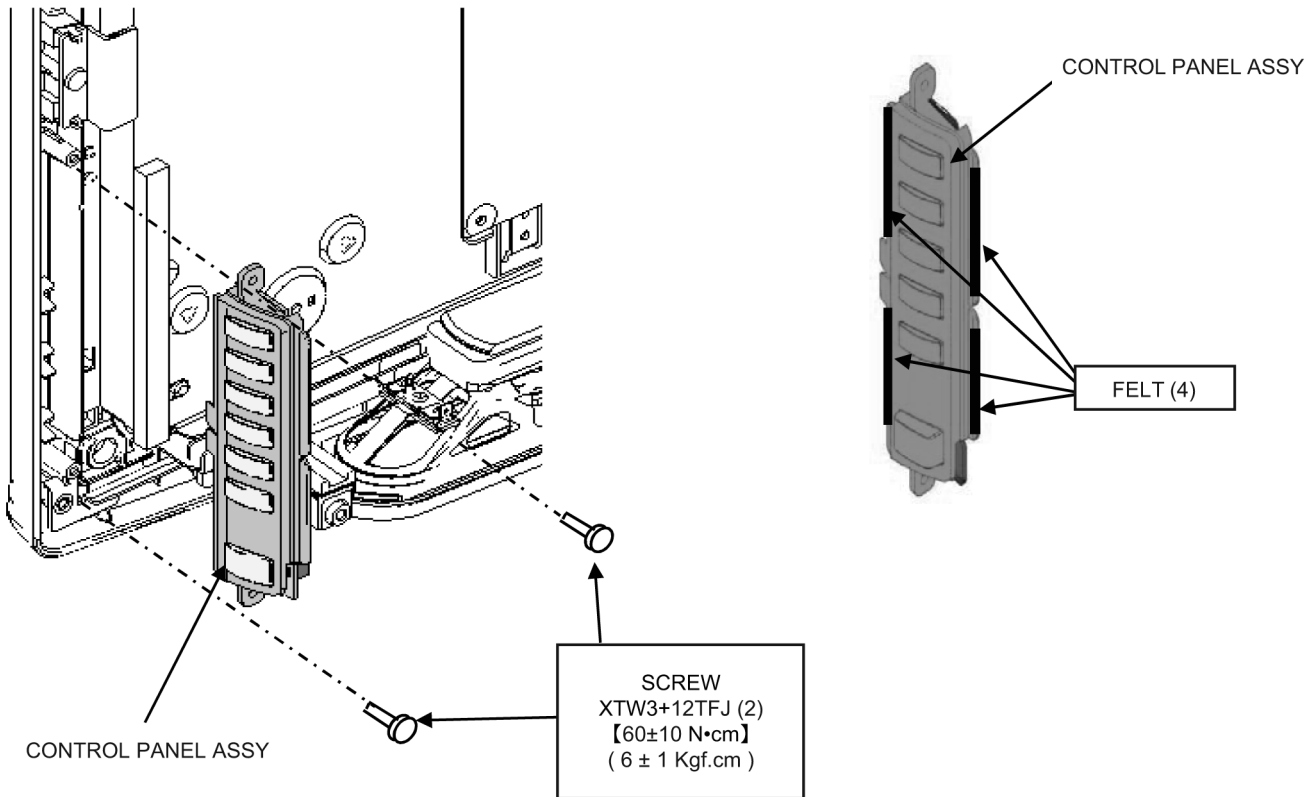


7.3. Control Panel Assembly & Clamper Installation

1. Put control panel Assy on the cabinet.
2. Fix the control panel with screws.

ASSEMBLY CONTENTS

- ① Stick the FELT at Control Panel Assembly



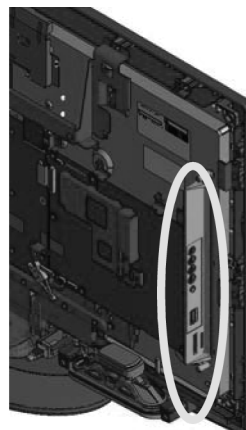
Fix clamper at bottom mtg.



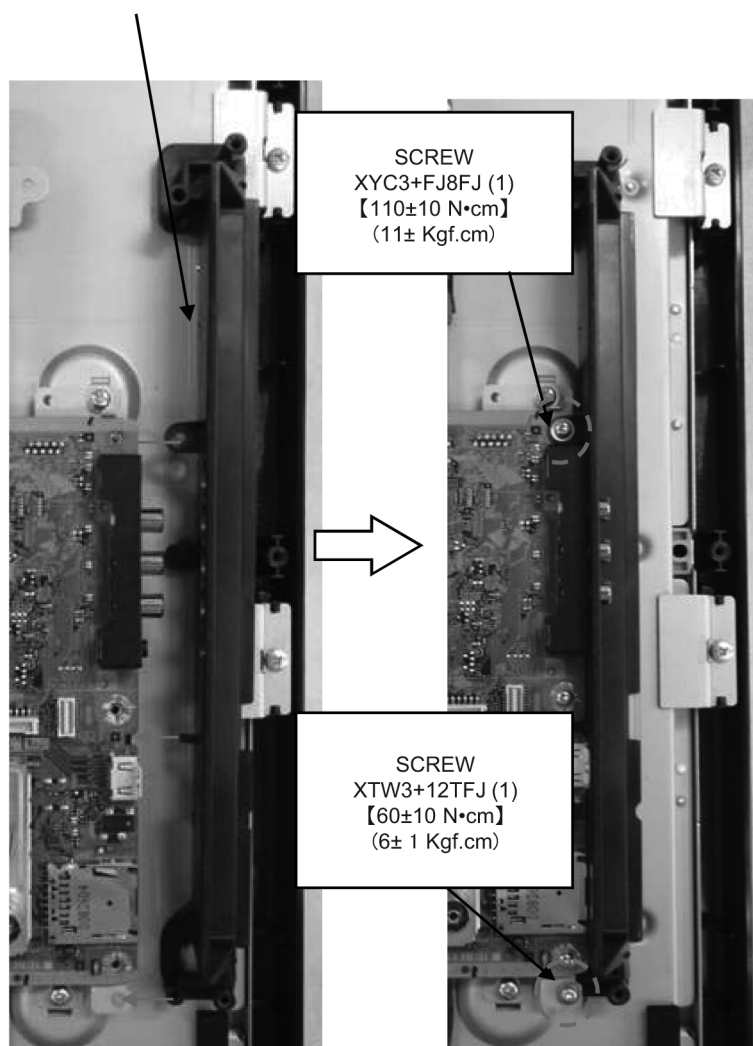
- CLAMPER = TMME332 (4 pcs)
- ◇ CLAMPER = TMME381 (1 pc)
- ◇ CLAMPER = TMME7473-1 (2 pcs)

7.4. Side AV Preparation & Installation

1. Stick the side av indi. Sheet and felt on the side av bracket.
2. Insert the SIDE AV BRACKET from the side position of the A-PCB.
3. Fix the SCREW with A-PB-MTG METAL.

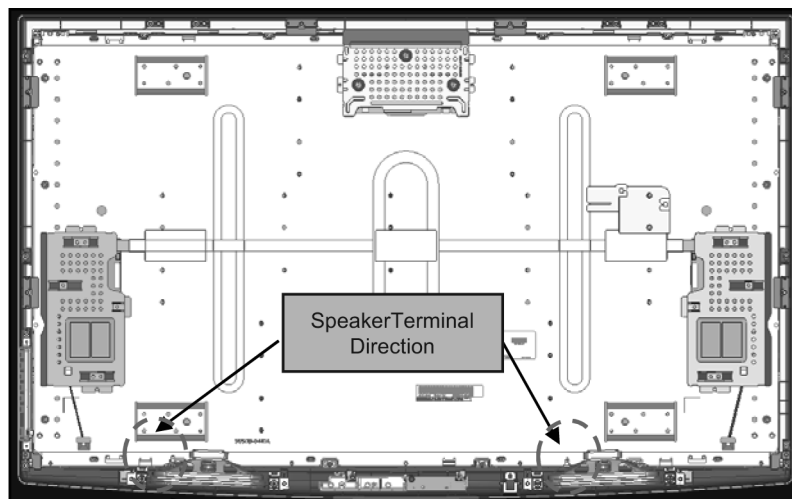


SIDE AV BRACKET ASSY



7.5. Speaker Preparation & Installation

1. Stick the SP sponge.
2. SP bracket put on cabinet.
3. Fix them with screws.
4. Insert the SP rubber bush into the SP unit.
5. Stick sponge at speaker.
6. Insert the SP unit to SP bracket.

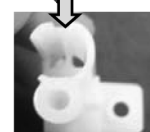


SP BRACKET L
(2 pcs)

Make sure Speaker inserted
until the end of Speaker Bracket

BLACK
(LEFT)

WHITE
(RIGHT)



TKX4GA03301A TKX4GA03201A

NOTE: The shape of right
and left is different.

SP BRACKET R (2pcs)



= SCREW - XTB4+15JFJ (4) 【100 +10/-20N•cm】 (10+1/-2 Kgf.cm)

SPEAKER PREPARATION

Insert Until End

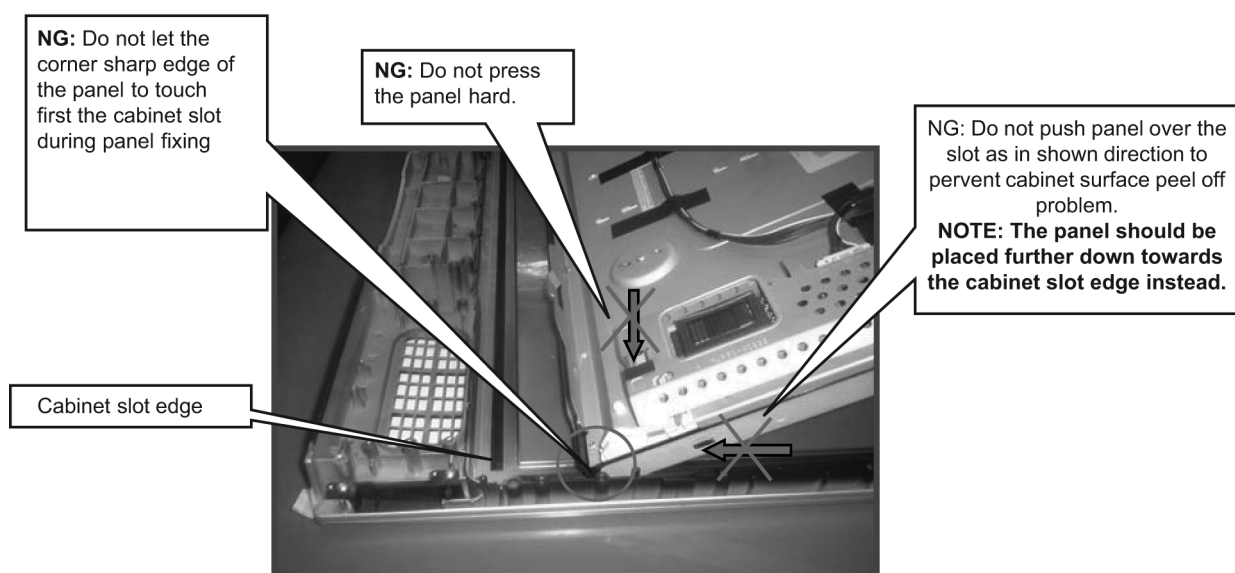
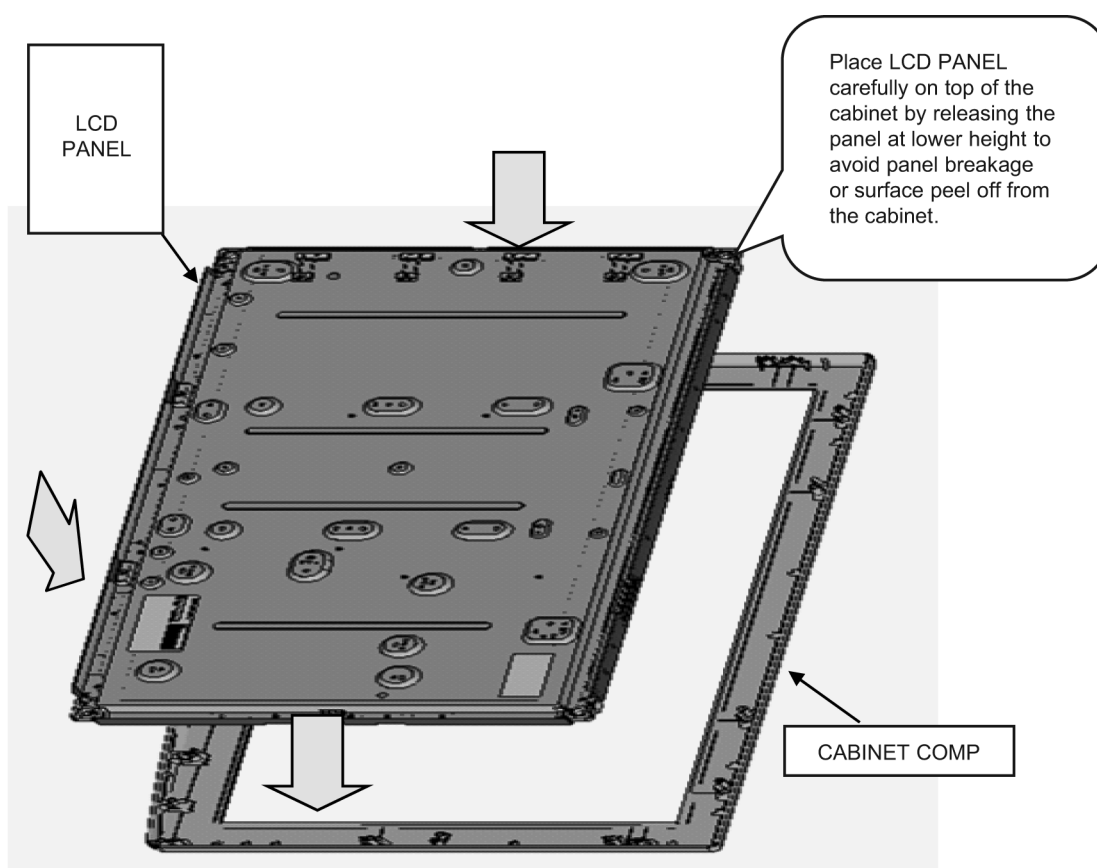


Speaker (2)

SP RUBBER BUSH (4)

7.6. LCD Panel Fixing & Handling Method

1. Place down the cabinet as shown below.
2. Fix LCD panel into the cabinet by taking below precautions.

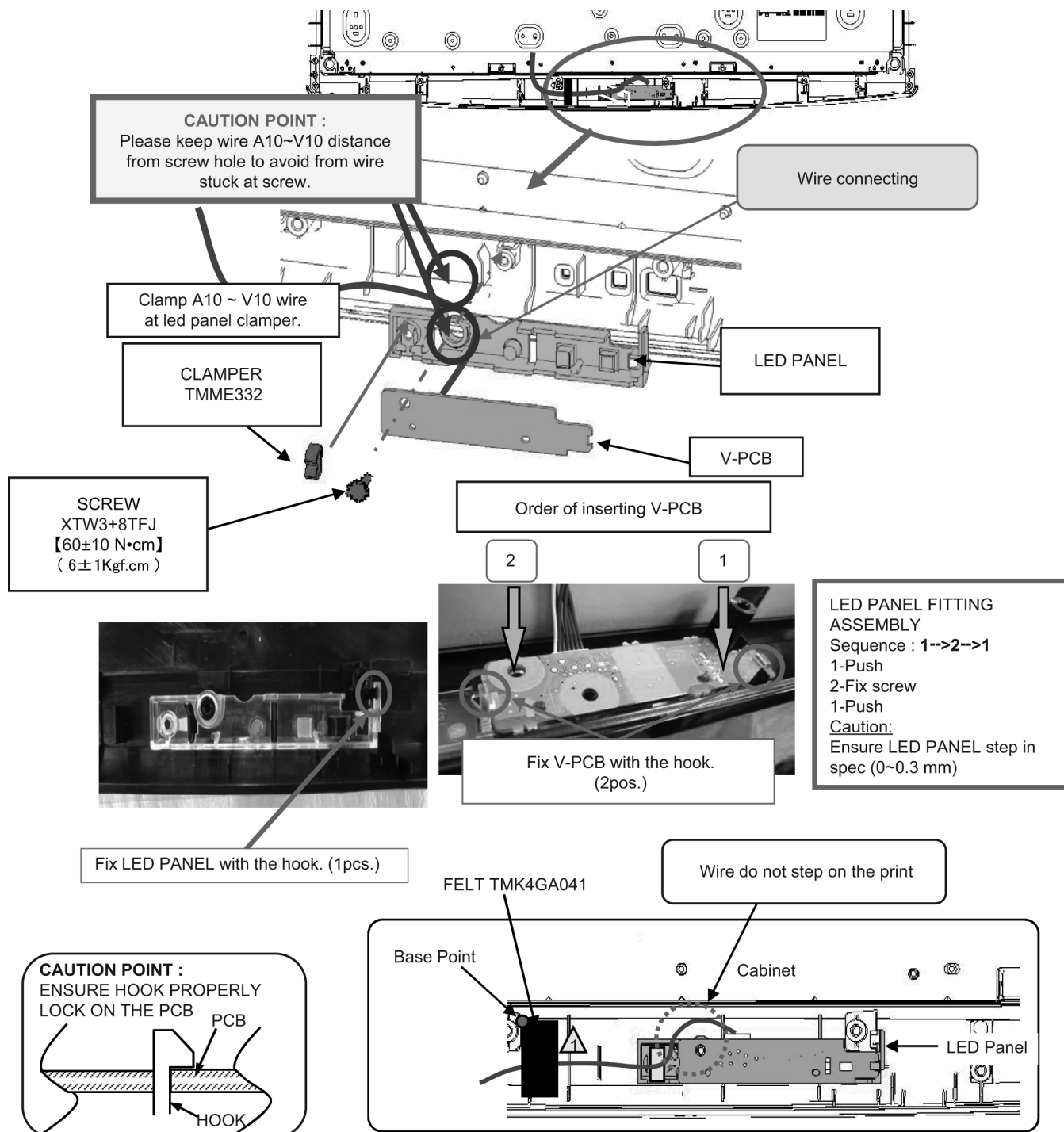


Other general precautions

1. Do not press panel surface to avoid blue spot on the panel display.
2. Do not use hard cloth or rub the surface too hard. This may cause scratches on the surface.
3. Take care not to subject the TV's surface to water or detergent. Any liquid (including pets urine) if enters the product could lead to TV failure.
4. Take care not to subject the surface to insect repellent, solvent, thinner or other volatile substances. This may degrade surface quality or cause peeling of the paint.
5. The surface of the display panel is specially treated and may be easily damaged. Take care not to tap or scratch with your fingernail or other hard objects.

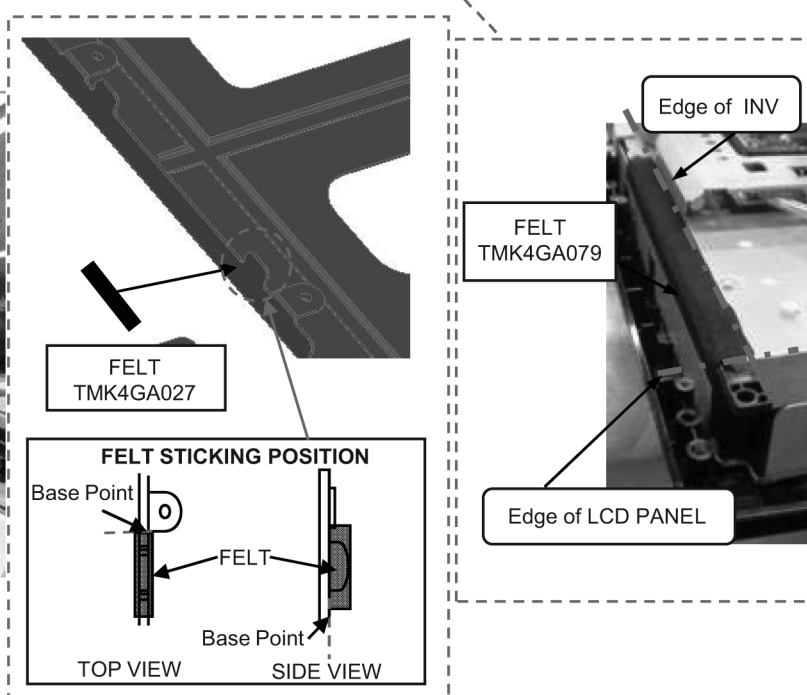
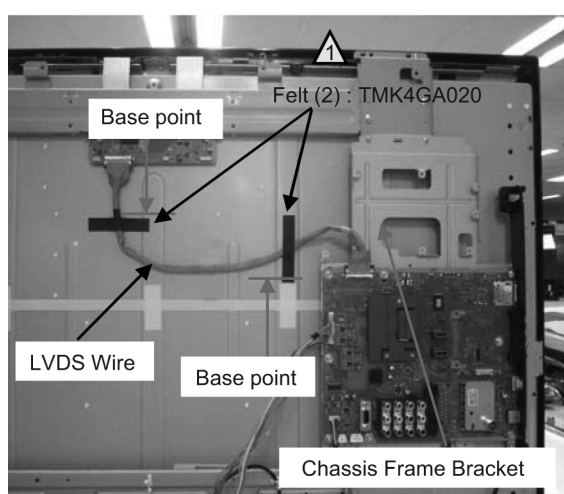
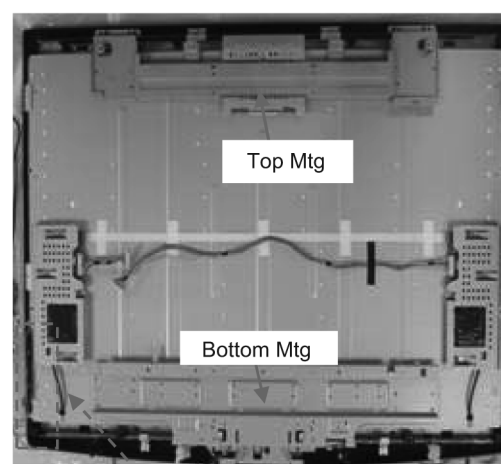
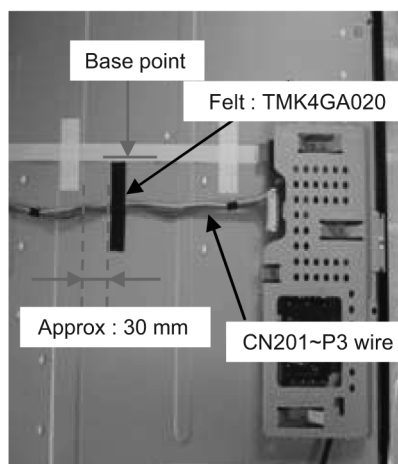
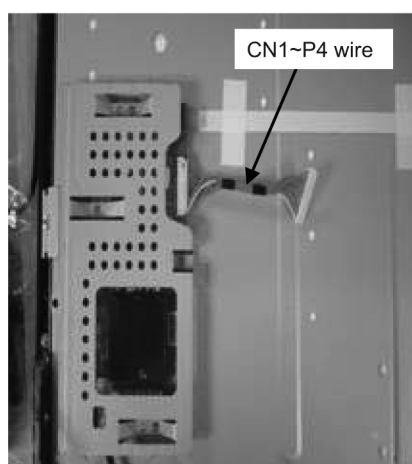
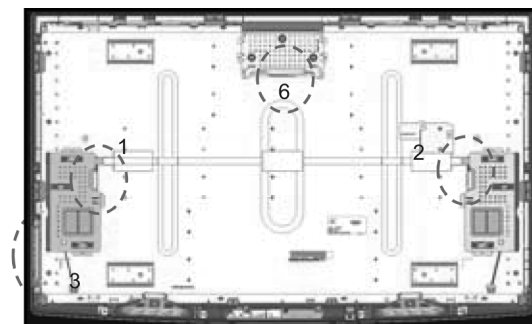
7.7. LED Panel Installation

1. Fix LED PANEL on CABINET.
2. Wire connecting. (V10).
3. Put V-PCB on CABINET.
4. Fix them with SCREW.
5. Insert the CLAMPER.
6. Stick felt at A10-V10 wire.



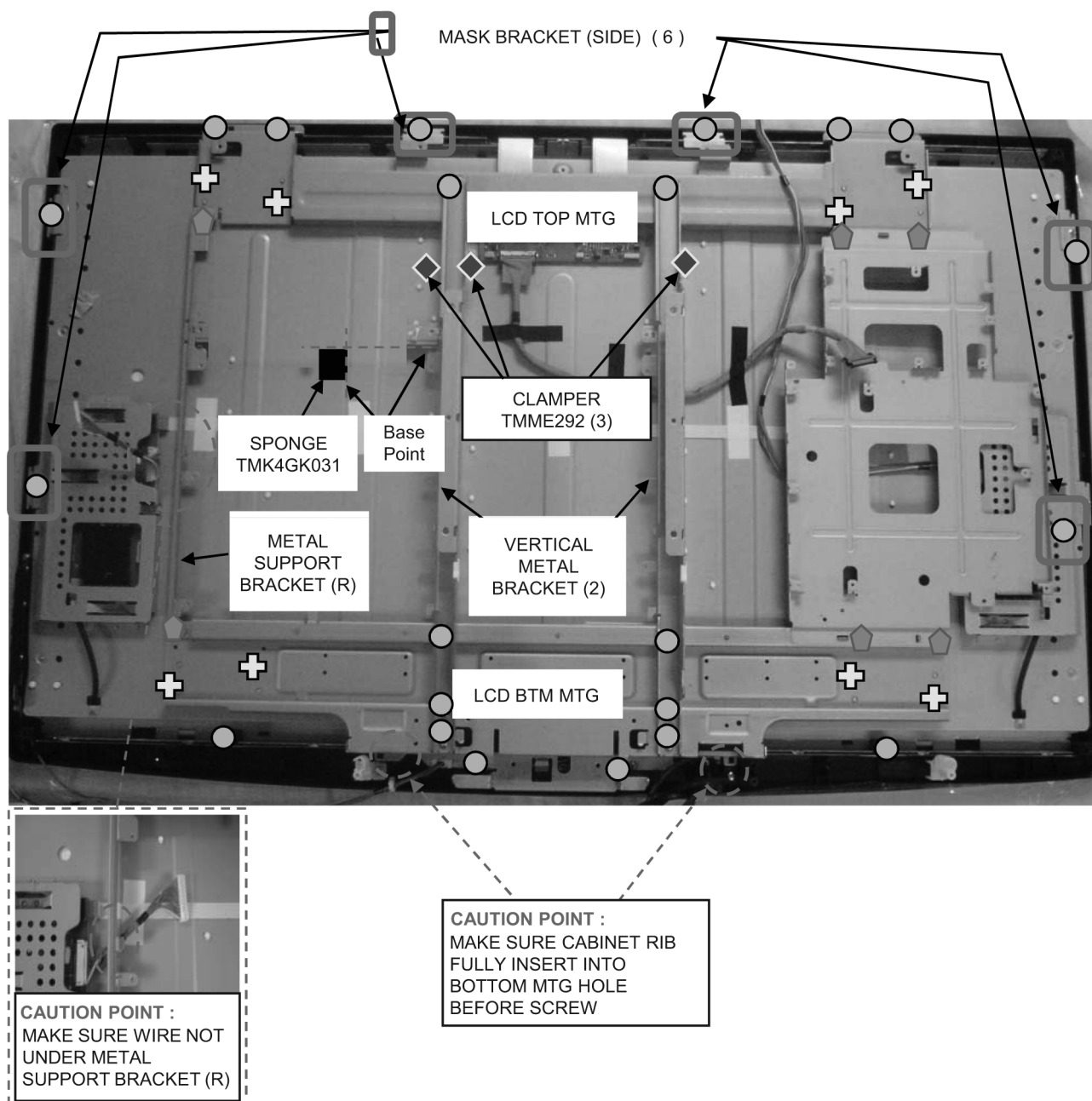
7.8. Felt Sticking at LVDS Wire

1. Insert CN1~P4 wire to inverter.
2. Insert CN201~P3 wire to inverter and stick felt.
3. Stick felt at LCD panel (Bottom left side).
4. Fix Top mtg and Bottom Mtg.
5. Fix Chassis frame bracket at Top Mtg and Bottom Mtg.
6. Insert LVDS wire to inverter and stick 3 felt.
7. Stick left at chassis frame to avoid sharp edge.



7.9. LCD Bracket and MTG Installation

1. Fix MASK BRACKET (SIDE/TOP/BTM) on the cabinet.
2. Fix Vertical Metal Bracket, Metal Support Bracket (R).
3. Fix them with SCREW.
4. Fix Clamper at Vertical Metal Bracket.



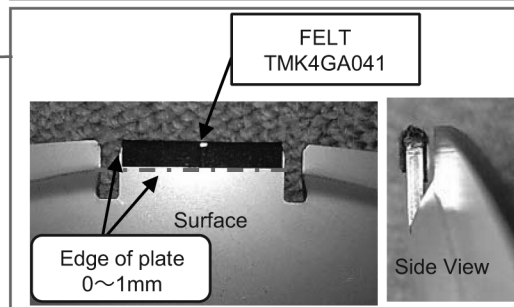
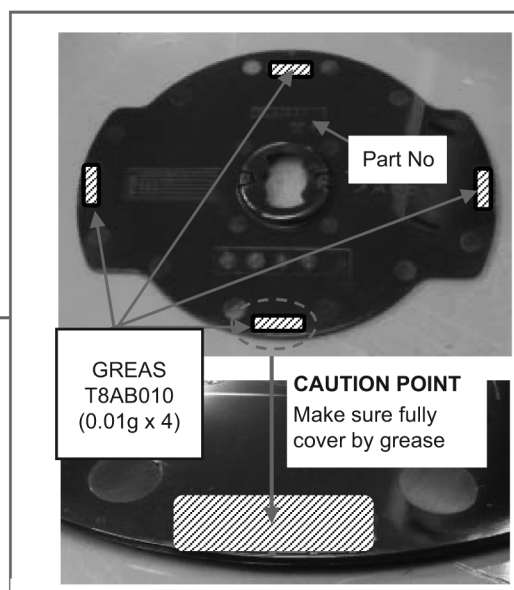
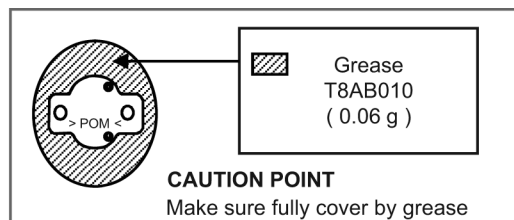
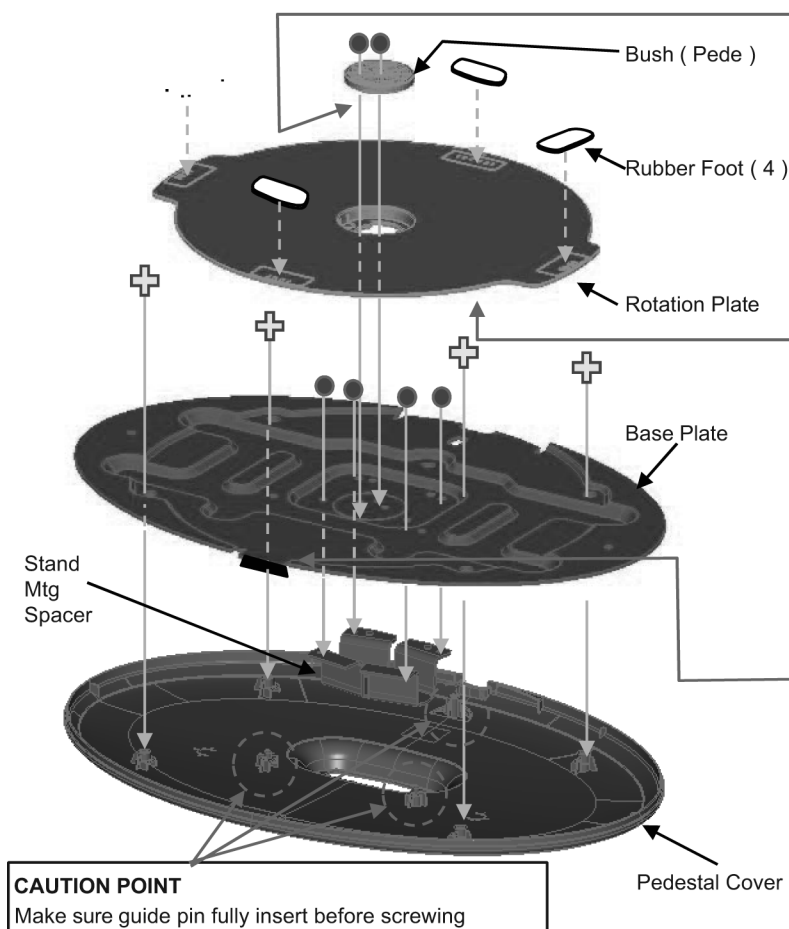
● = SCREW - XTB4+15JFJ (22) 【110+20/-10N•cm】 (11+2/-1 Kgf.cm)

⊕ = SCREW - THE4GJ001J (8) 【130±10N•cm】 (13± 1 Kgf.cm)

◆ = SCREW - XTW3+8TFJ (6) 【110±10N•cm】 (11± 1 Kgf.cm)

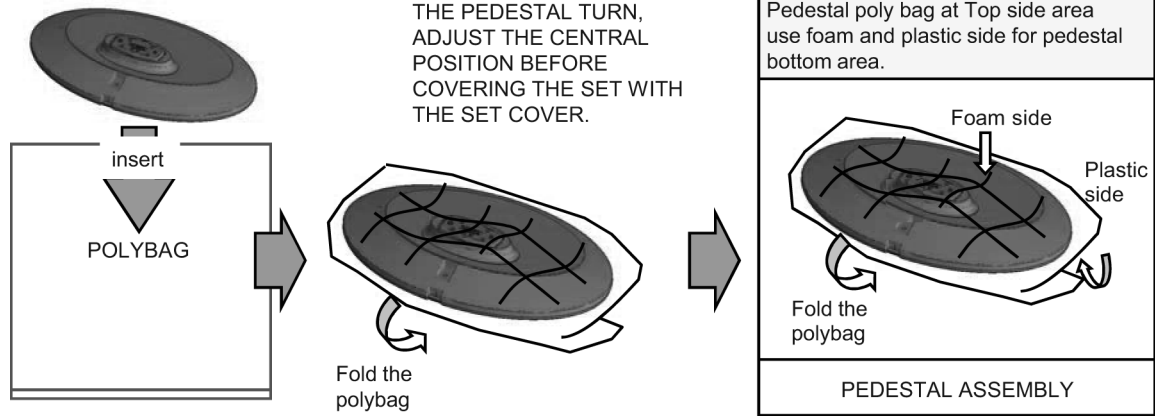
7.10. Pedestal Assembly

1. Fix stand mtg spacer at pedestal cover.
2. Stick felt at front base plate.
3. Fix base plate at stand mtg and pedestal cover and screw.
4. Stick rubber foot at rotation plate.
5. Apply grease at rotation plate and bush (pede).
6. Fix rotation plate and bush (pede) at base plate and screw.



- = SCREW - XTS4+10GFJ (4) 【80±20 N•cm】 (8 ± 2 Kgf.cm)
 = SCREW - XYM4+C10FJK (6) 【130±20 N•cm】 (13 ± 2 Kgf.cm)

Put Pedestal Assembly into polybag and fold properly.



8 Measurements and Adjustments

8.1. Voltage chart of A-board

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

Power Supply Name	Measurement Point	Specification (V)
SUB1.8V	TP5601	1.74 - 1.90
SUB1.2V	TP5600	1.18 - 1.32
SUB3.3V	TP5602	3.19 - 3.46
SUB5V	TP5200	4.9 - 5.1
SUB9V	TP5220	8.82 - 9.18
STB5V	TP5400	4.9 - 5.1

8.2. Voltage chart of P-board

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

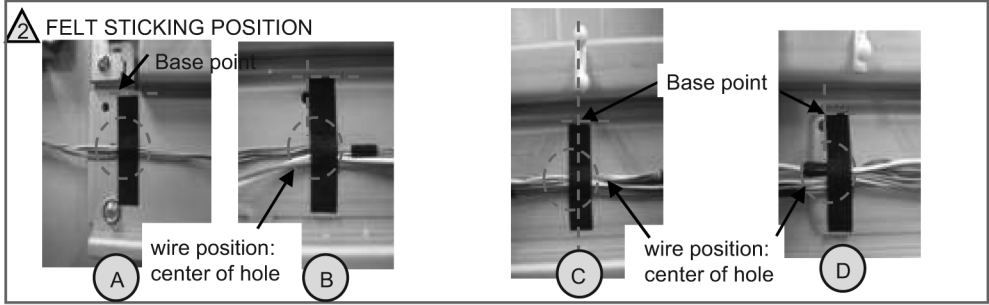
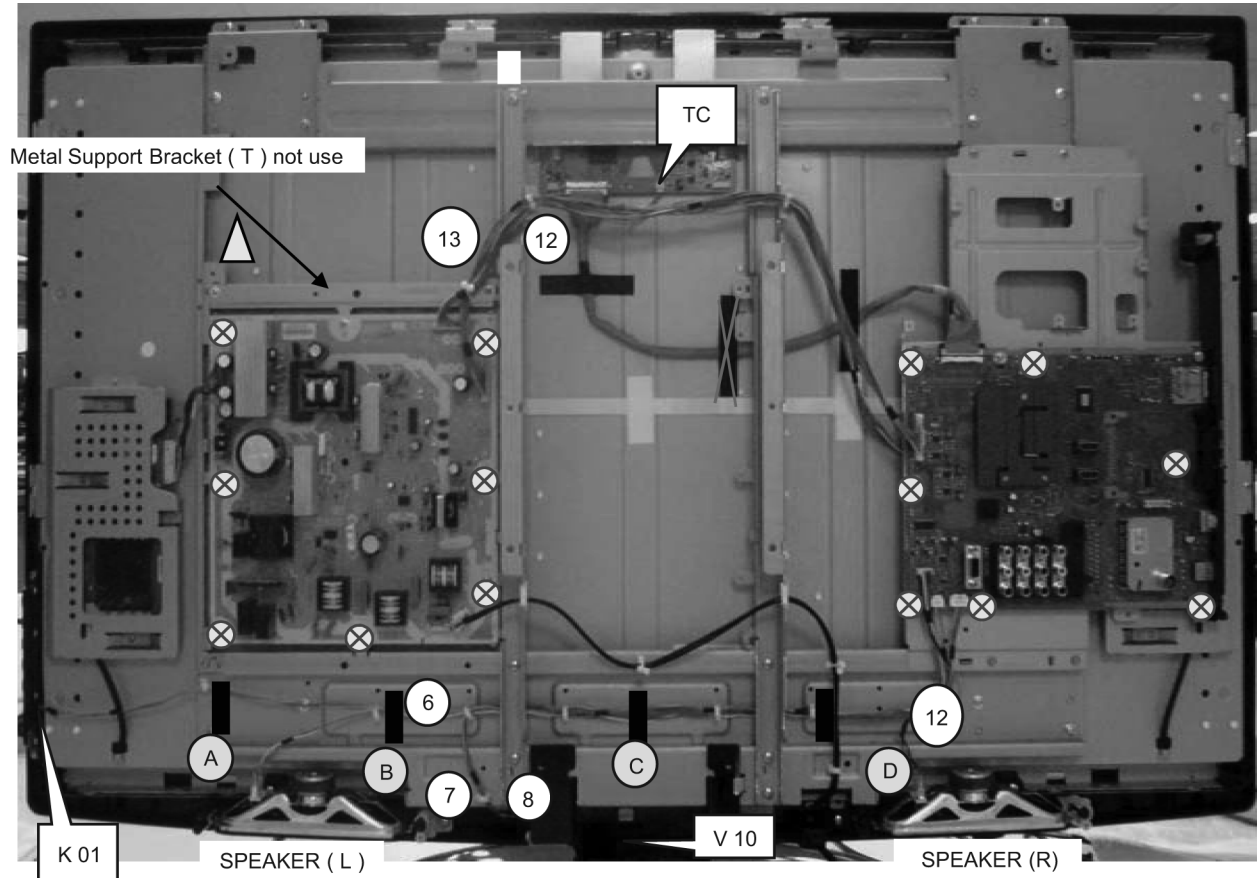
Power Supply Name	Measurement Point	Normal Condition (V)	Stby Condition (V)
P24V	TP7503	24 ± 1.2 V	NO CARE
17V	TP7502	18 ± 2 V	NO CARE
DTV12V	TP7501	12 ± 0.6 V	NO CARE
TUNER6V	TP7601	6.1 ± 0.3 V	NO CARE
DC390V	TP7201	390 ± 10 V	NO CARE

* HOT



10 Wiring Connection Diagram

- 1. Fix PCB at chassis frame and mtg and screw.
- 2. Wiring No.1~No.6.
- 3. Remove dust of terminal of LVDS and PB connector. (by ion blow)



⊗ = SCREW - XYC3+FJ8FJ (14) 【110±10 N•cm】 (11 ± 1 Kgf.cm)

Wire		Clamper											
		1	2	3	A	B	6	7	8	C	D	12	13
No.1	A10 - V10						●	●	●	●	●	●	
No.2	A04 - K01				●	●	●			●	●	●	
No.3	A11 - SP (R)											●	
No.4	A11 - SP (L)					●	●			●	●	●	
No.5	INV (CN 201) ~ P3		●	●									●
No.6	A3 ~ P2		●	●									●

11 Schematic Diagram

11.1. Schematic Diagram Notes

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 H, unless otherwise noted.
4. **Test Point**
 : Test Point position
5. **Earth Symbol**
 : Chassis Earth (Cold)  : Line Earth (Hot)
6. **Voltage Measurement**
Voltage is measured by a DC voltmeter.
Conditions of the measurement are the following:

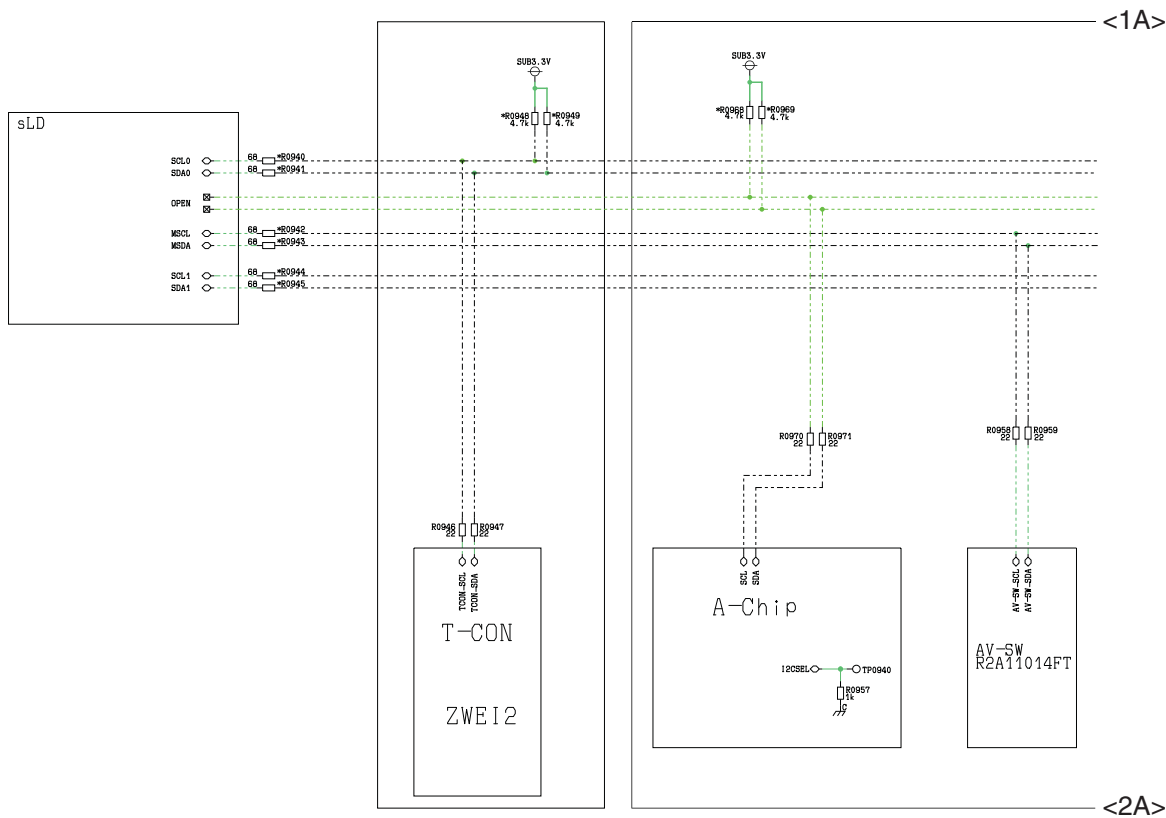
Power Source	AC110-127V, 60Hz
Receiving Signal	Colour Bar signal (RF)
All customer's controls	Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video ➡ Audio ⇌
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

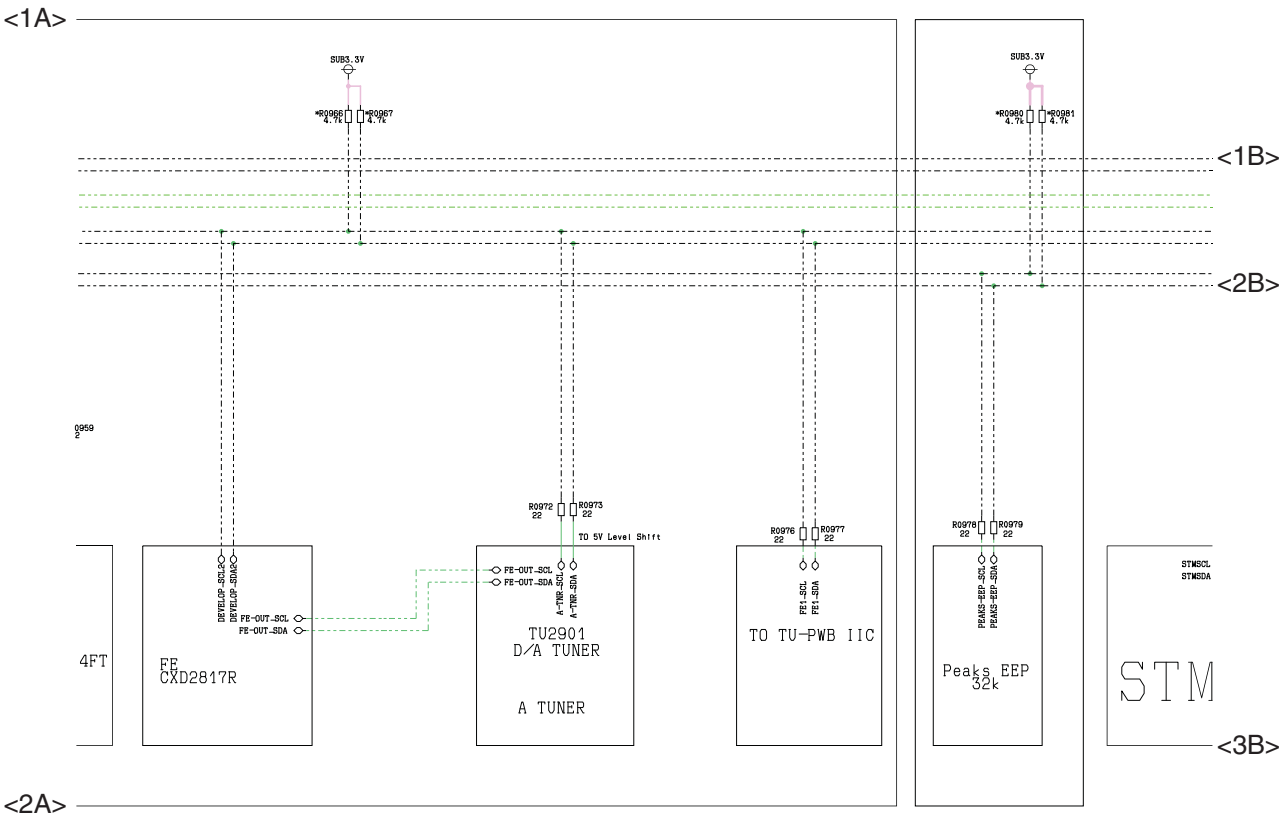
1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits, except the Power Circuit, are cold.
Precautions
 - a. Do not touch 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.

11.2. A Board

11.2.1. A Board - Sheet : 002 (1 / 3)

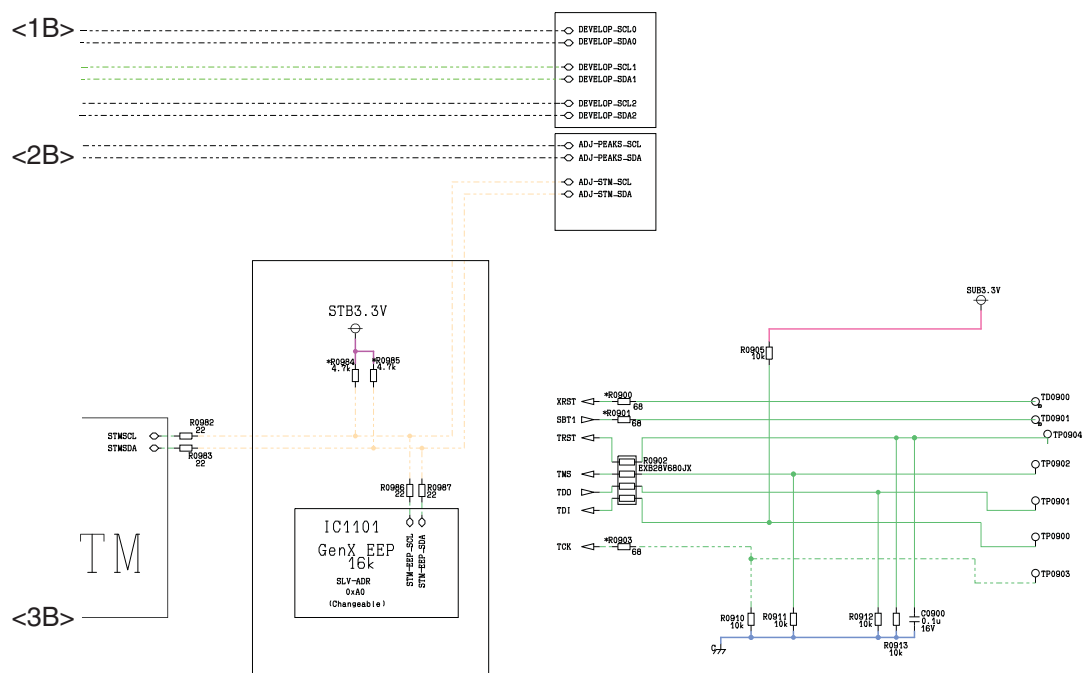


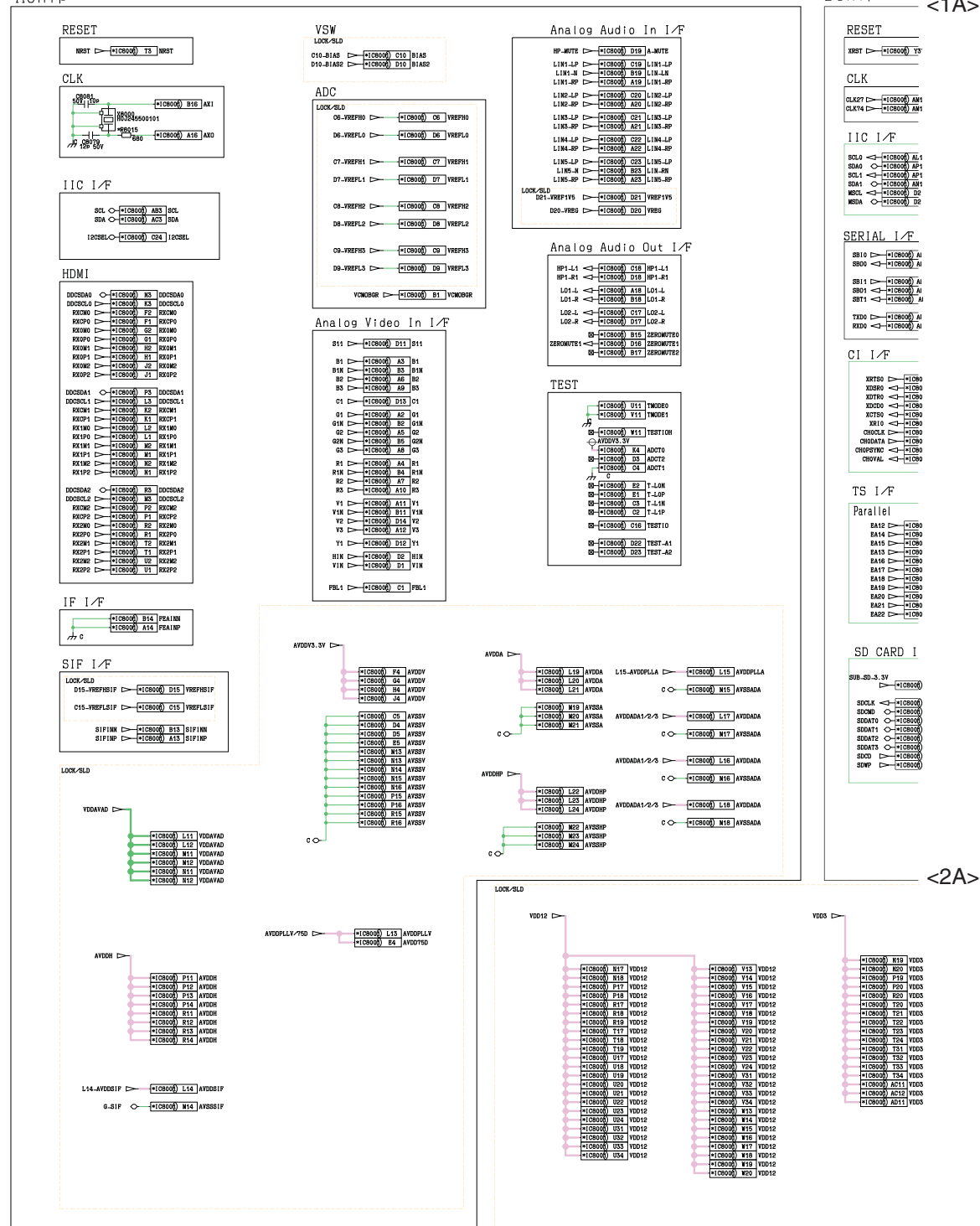
11.2.2. A Board - Sheet : 002 (2 / 3)



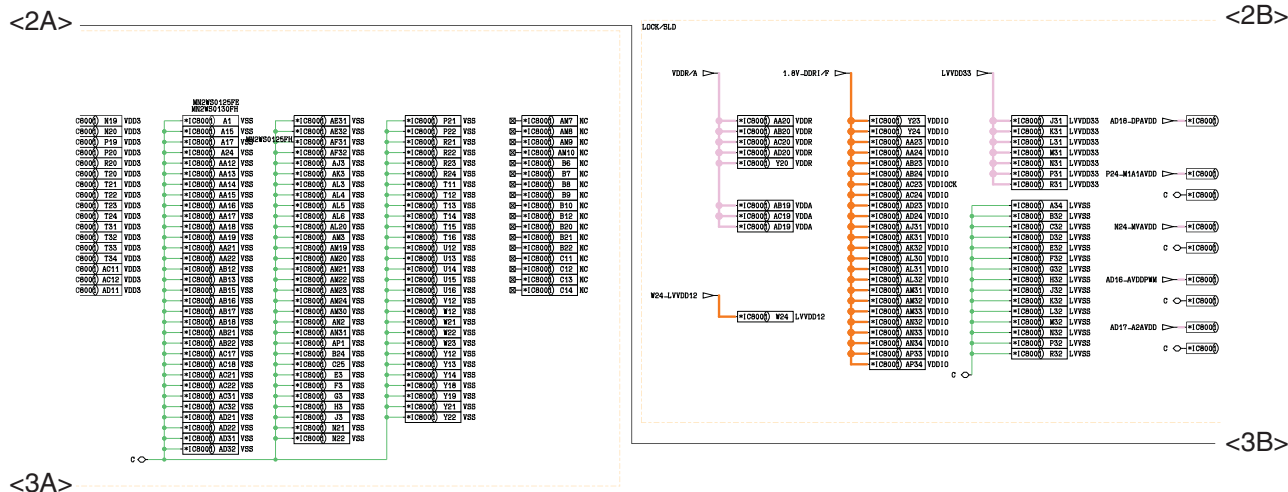
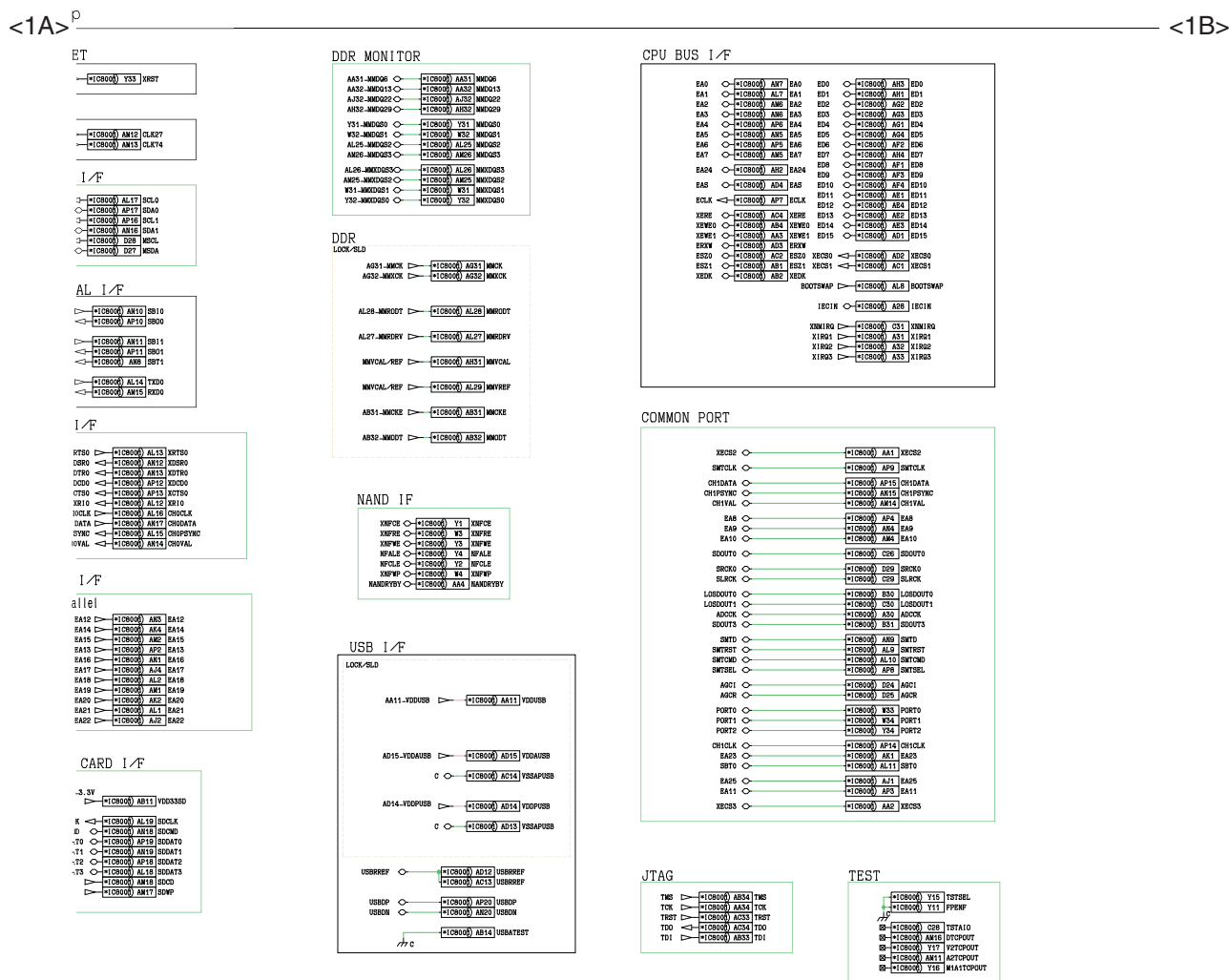
11.2.3. A Board - Sheet : 002 (3 / 3)

[Sheet 002]
IIC





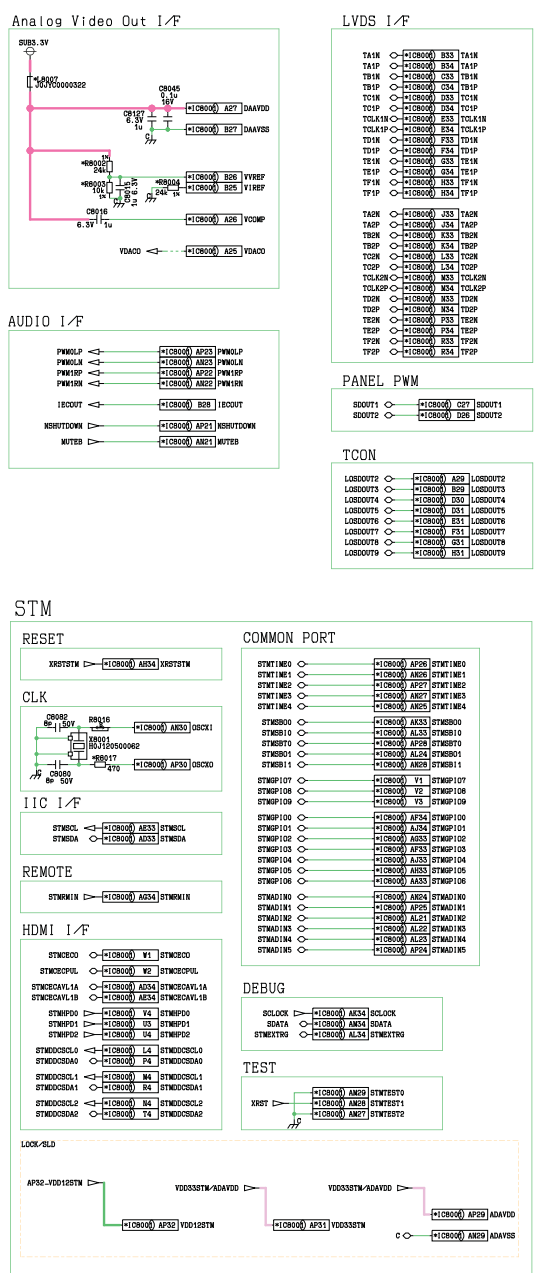
11.2.5. A Board - Sheet : 010 (2 / 3)



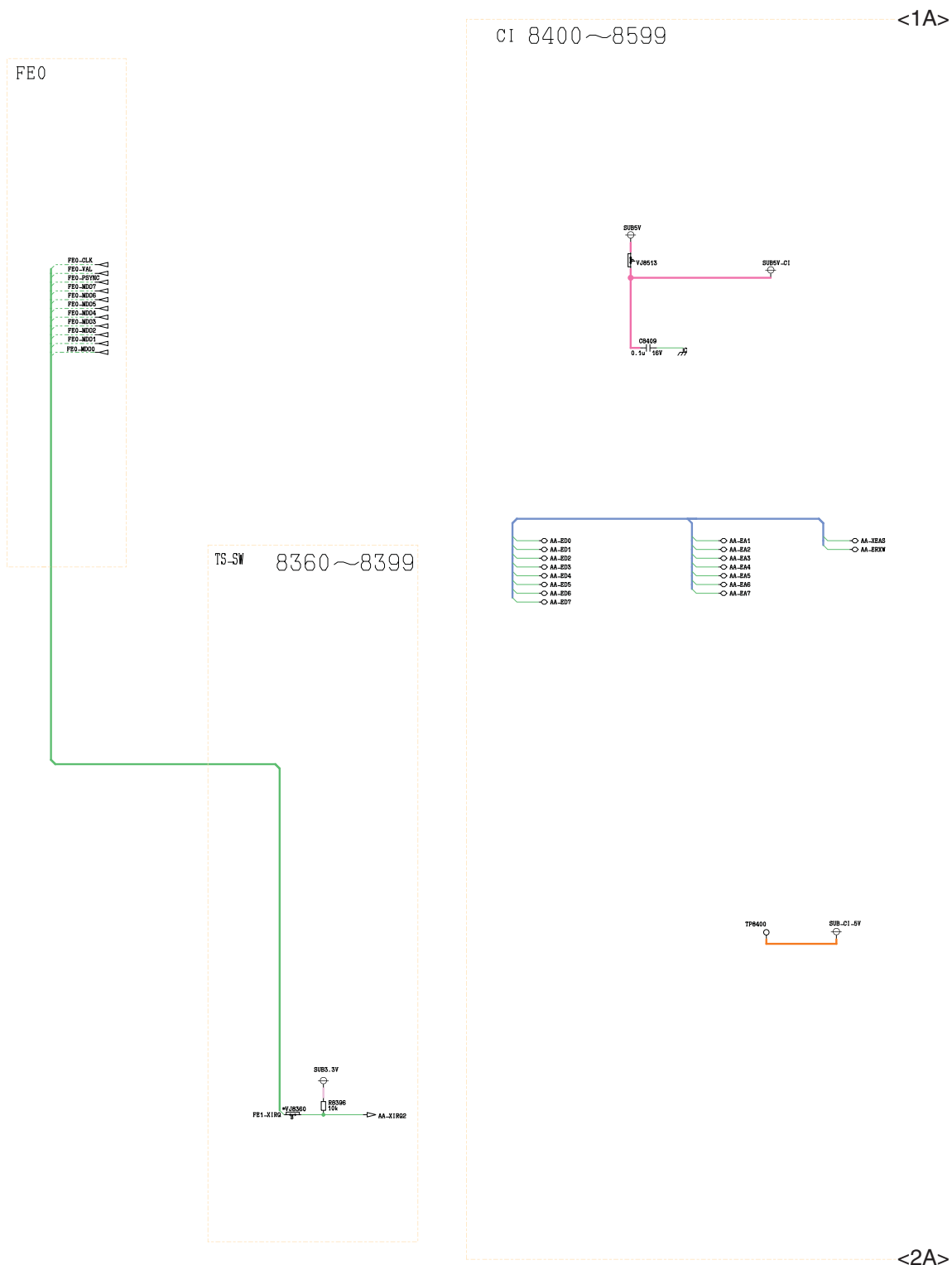
11.2.6. A Board - Sheet : 010 (3 / 3)

[Sheet 010]

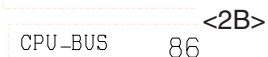
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11.2.7. A Board - Sheet : 011 (1 / 3)



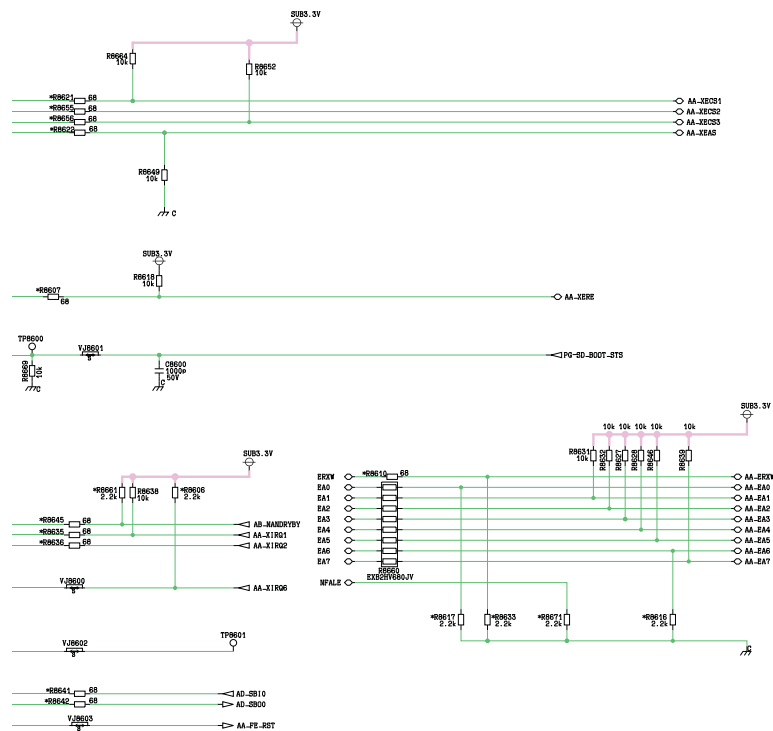
ETC 8730~<1B>



<2A>

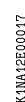
11.2.9. A Board - Sheet : 011 (3 / 3)

[Sheet 011]

<1B>
30 ~ 8799<2B>
8600 ~ 8699

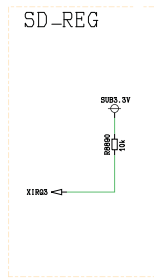
<3B>

USB



11.2.11. A Board - Sheet : 012 (2 / 3)

SD
8850~8899

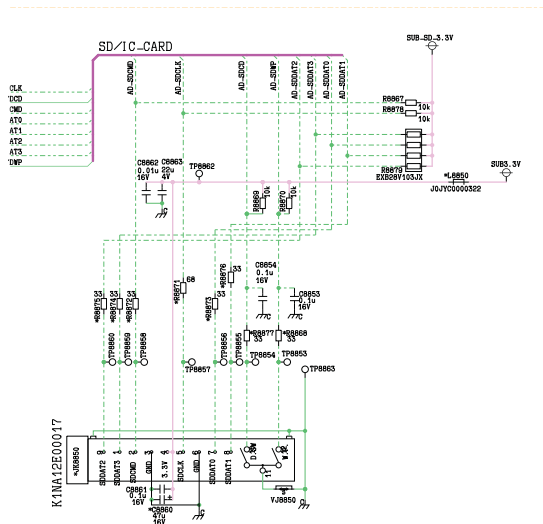


<1A>

VER

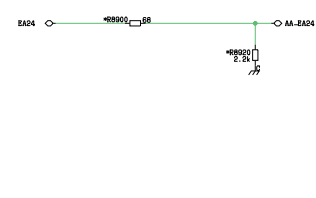
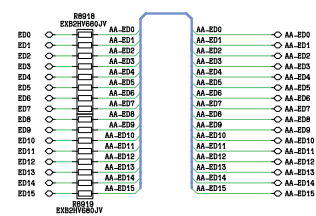


<2A>



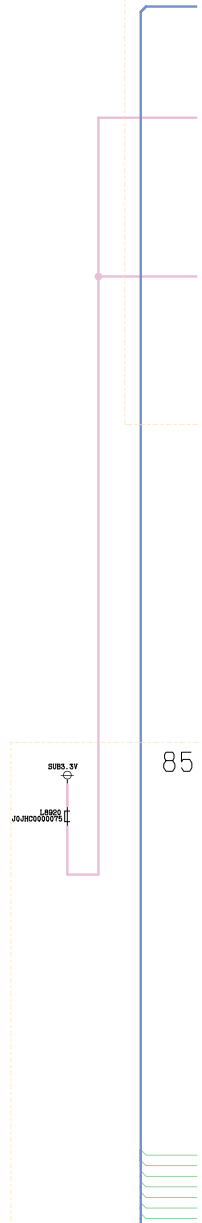
<3A>

8900~8919



FLASH 8 <1B>

NOR & NANI



85

<2B>



Diagram illustrating the connection of the IC8255 PPI chip to a 128Kbit EPROM (IC8255) and a 5V supply.

The IC8255 PPI chip is connected to the 128Kbit EPROM (IC8255) as follows:

- IC8255 PPI Chip:**
 - Pin 1: GND
 - Pin 2: VCC (5V)
 - Pin 3: A0
 - Pin 4: A1
 - Pin 5: A2
 - Pin 6: A3
 - Pin 7: A4
 - Pin 8: A5
 - Pin 9: A6
 - Pin 10: A7
 - Pin 11: A8
 - Pin 12: A9
 - Pin 13: A10
 - Pin 14: A11
 - Pin 15: A12
 - Pin 16: A13
 - Pin 17: A14
 - Pin 18: A15
 - Pin 19: A16
 - Pin 20: A17
 - Pin 21: A18
 - Pin 22: A19
 - Pin 23: A20
 - Pin 24: A21
 - Pin 25: A22
 - Pin 26: A23
 - Pin 27: A24
 - Pin 28: A25
- 128Kbit EPROM (IC8255):**
 - Pin 1: GND
 - Pin 2: VCC (5V)
 - Pin 3: A0
 - Pin 4: A1
 - Pin 5: A2
 - Pin 6: A3
 - Pin 7: A4
 - Pin 8: A5
 - Pin 9: A6
 - Pin 10: A7
 - Pin 11: A8
 - Pin 12: A9
 - Pin 13: A10
 - Pin 14: A11
 - Pin 15: A12
 - Pin 16: A13
 - Pin 17: A14
 - Pin 18: A15
 - Pin 19: A16
 - Pin 20: A17
 - Pin 21: A18
 - Pin 22: A19
 - Pin 23: A20
 - Pin 24: A21
 - Pin 25: A22
 - Pin 26: A23
 - Pin 27: A24
 - Pin 28: A25

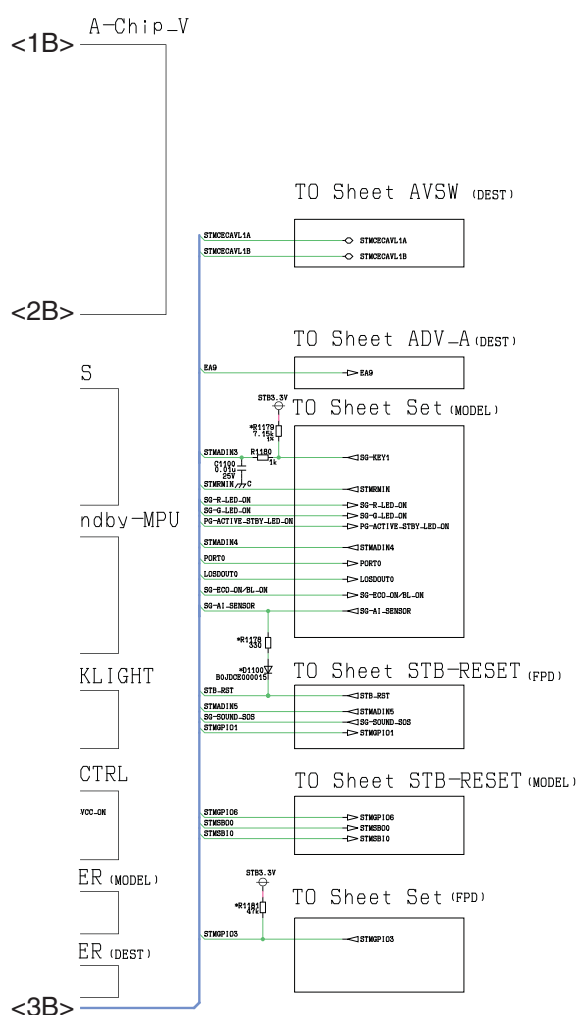
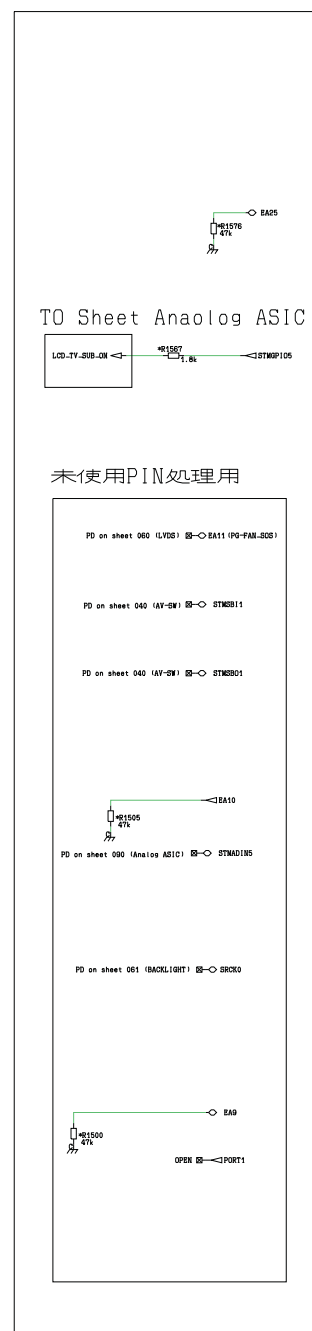
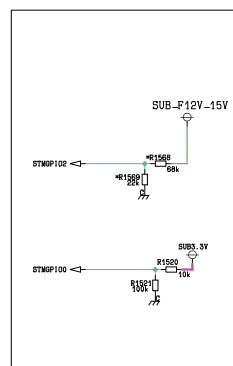
The diagram shows the chip select logic for the EPROM, involving the $\overline{CS}$ pin and the $\overline{WE}$ pin, connected to the EPROM's $\overline{CS}$ and $\overline{WE}$ pins respectively. The EPROM is labeled "EEPROM 8950~8959".

$\langle 2A \rangle$



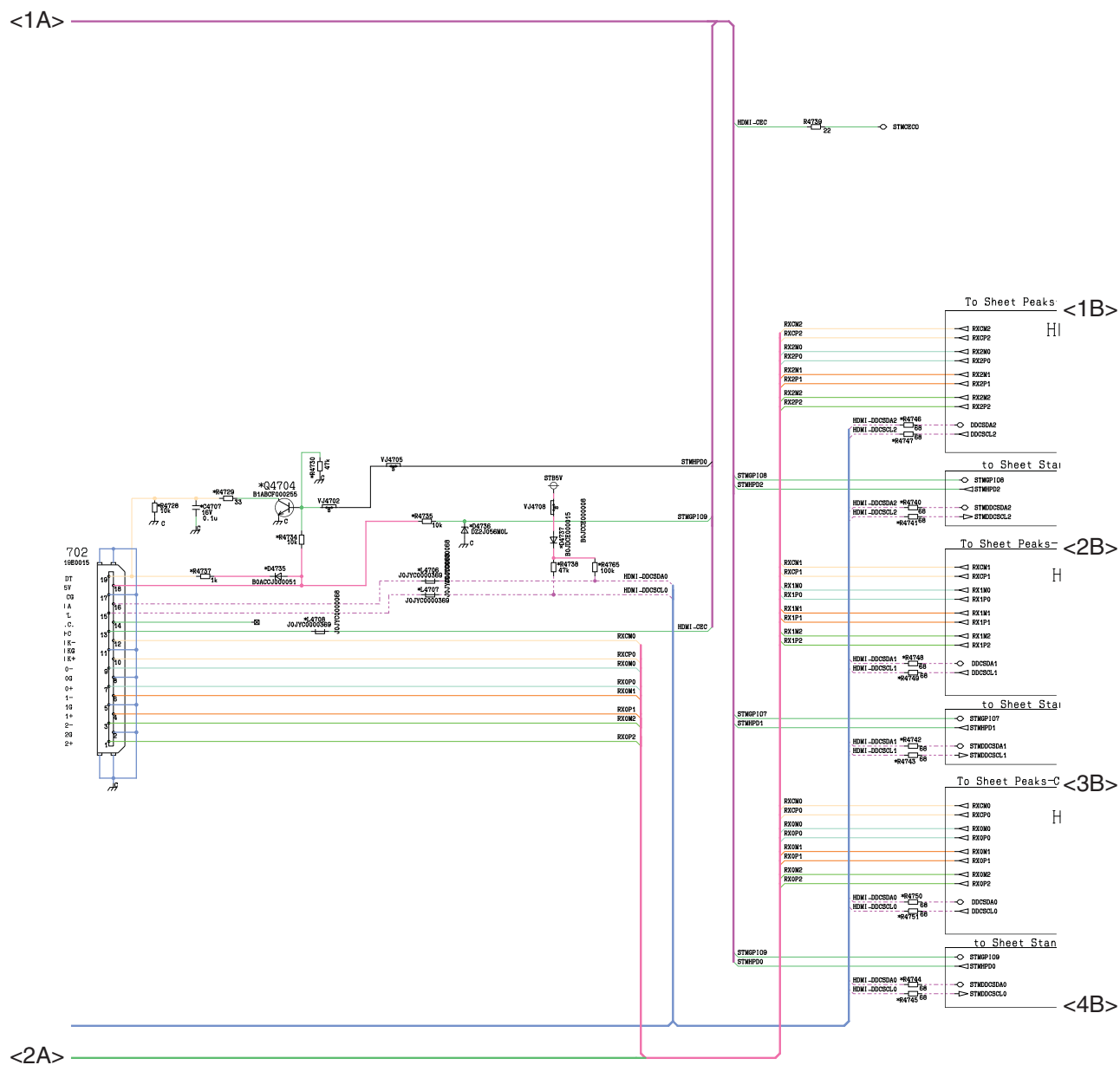


SOS



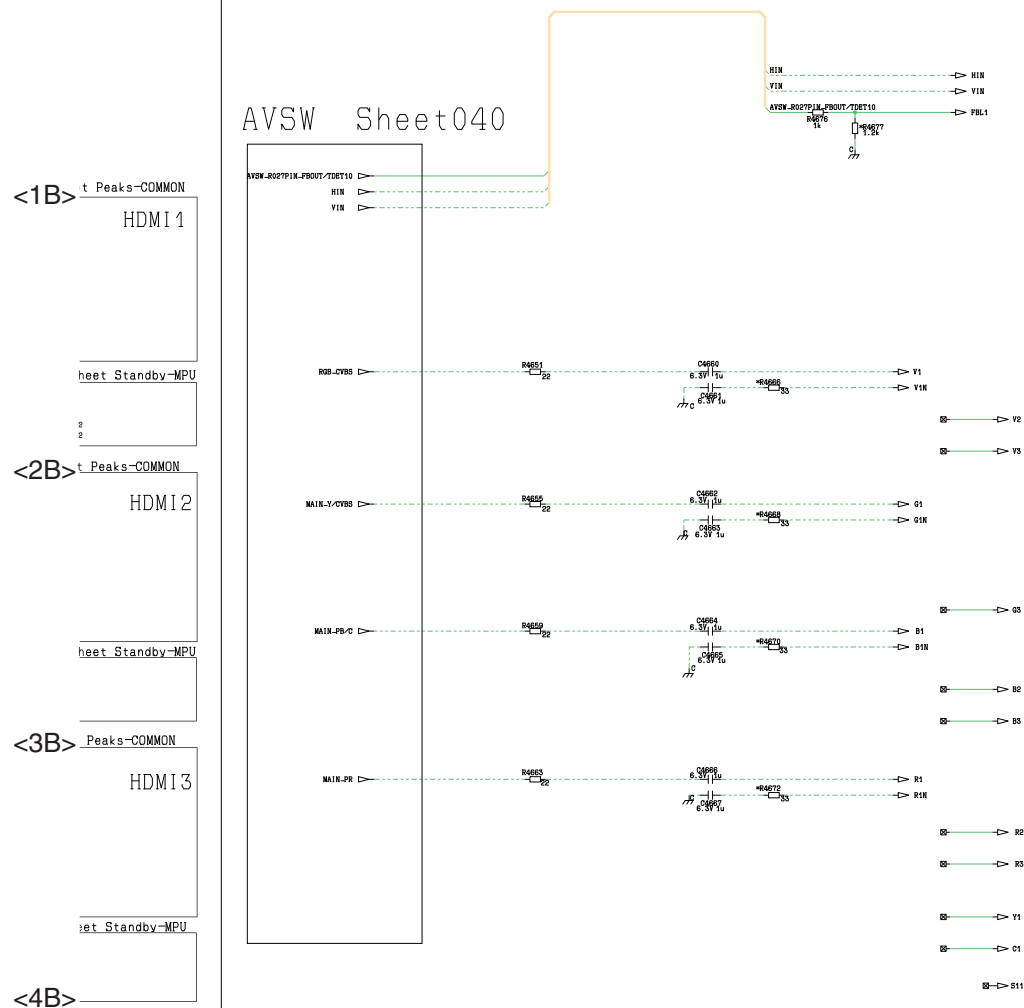


11.2.17. A Board - Sheet : 031 (2 / 3)

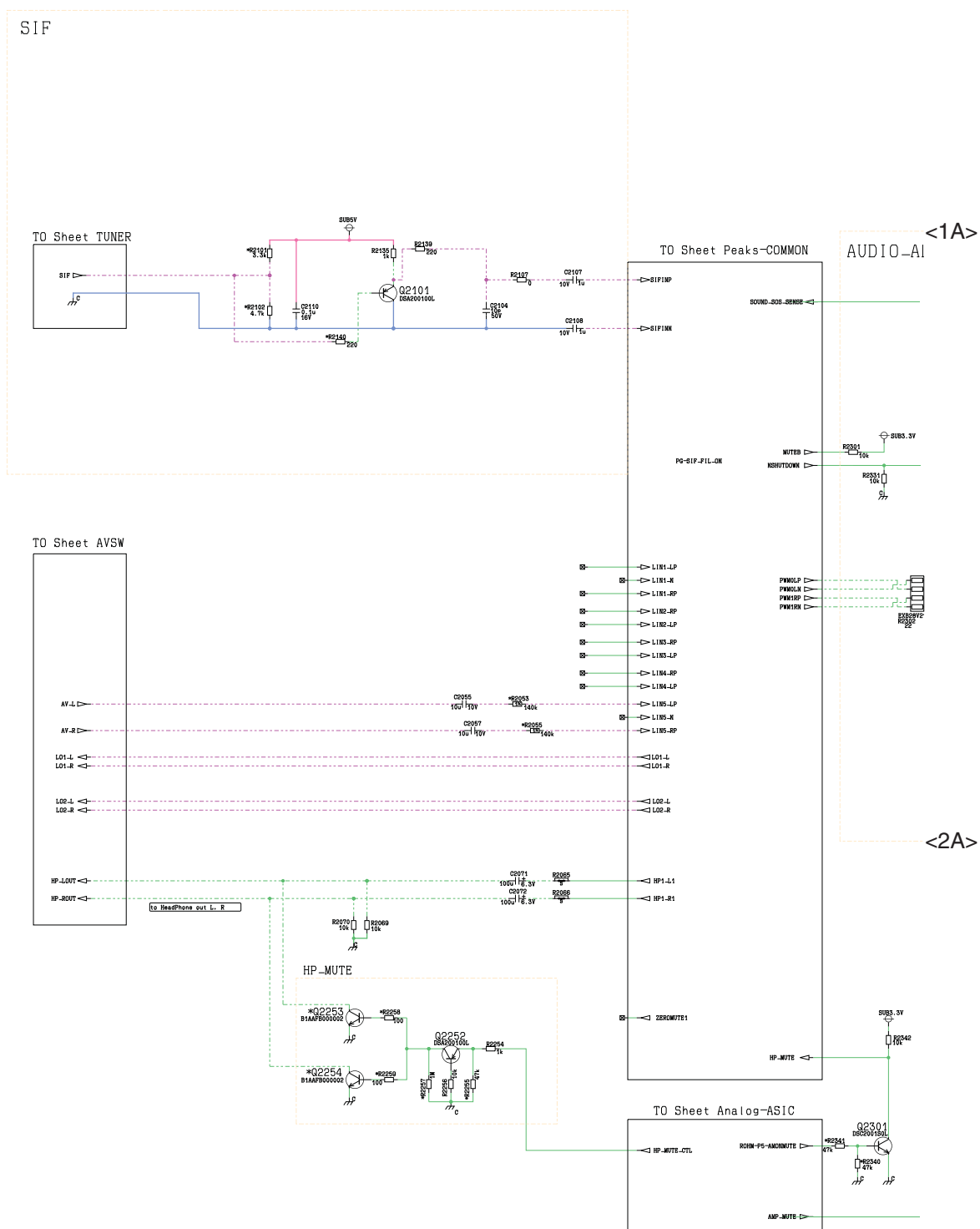


11.2.18. A Board - Sheet : 031 (3 / 3)

[Sheet 031]



11.2.19. A Board - Sheet : 033 (1 / 2)



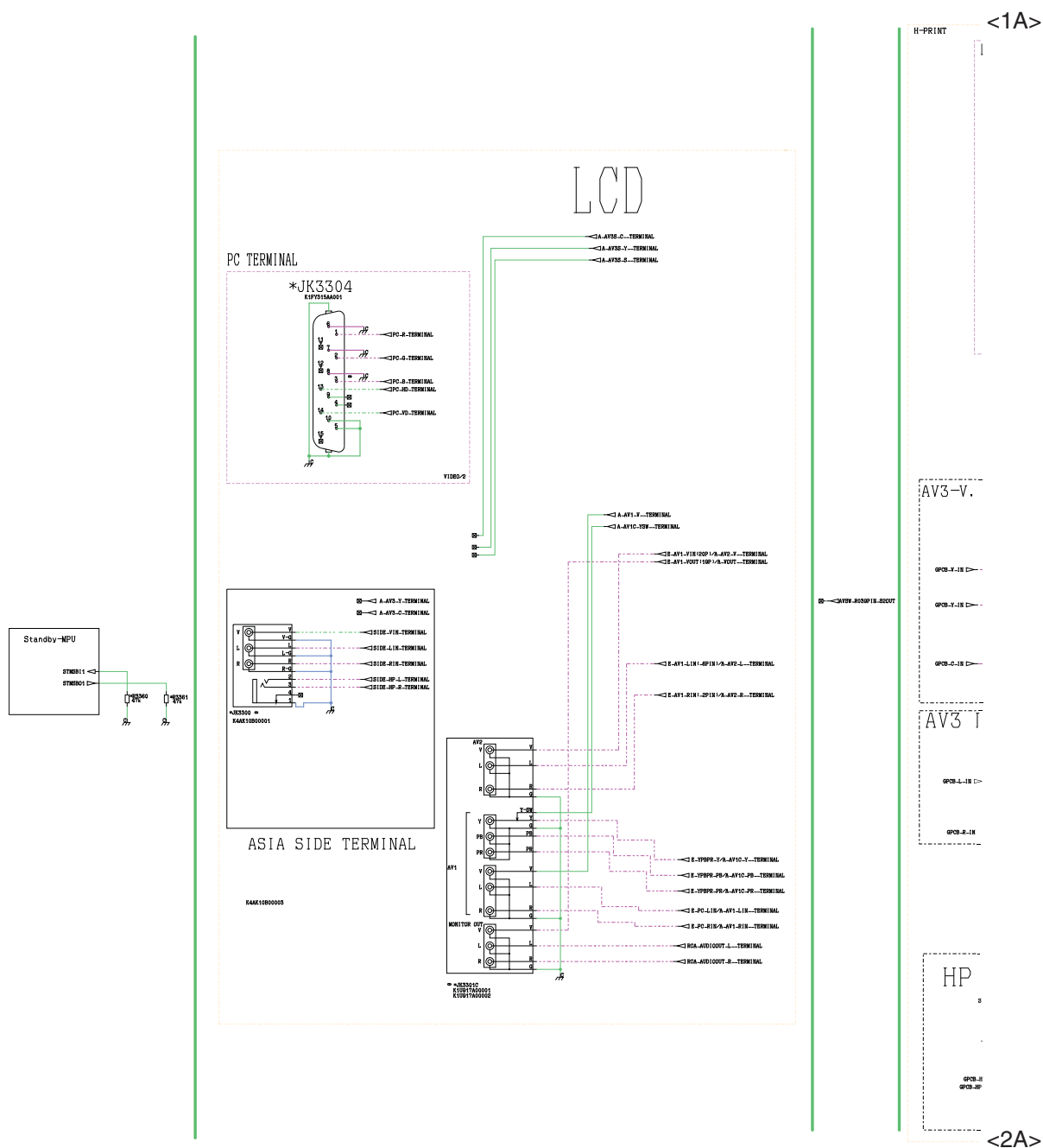
<1A>

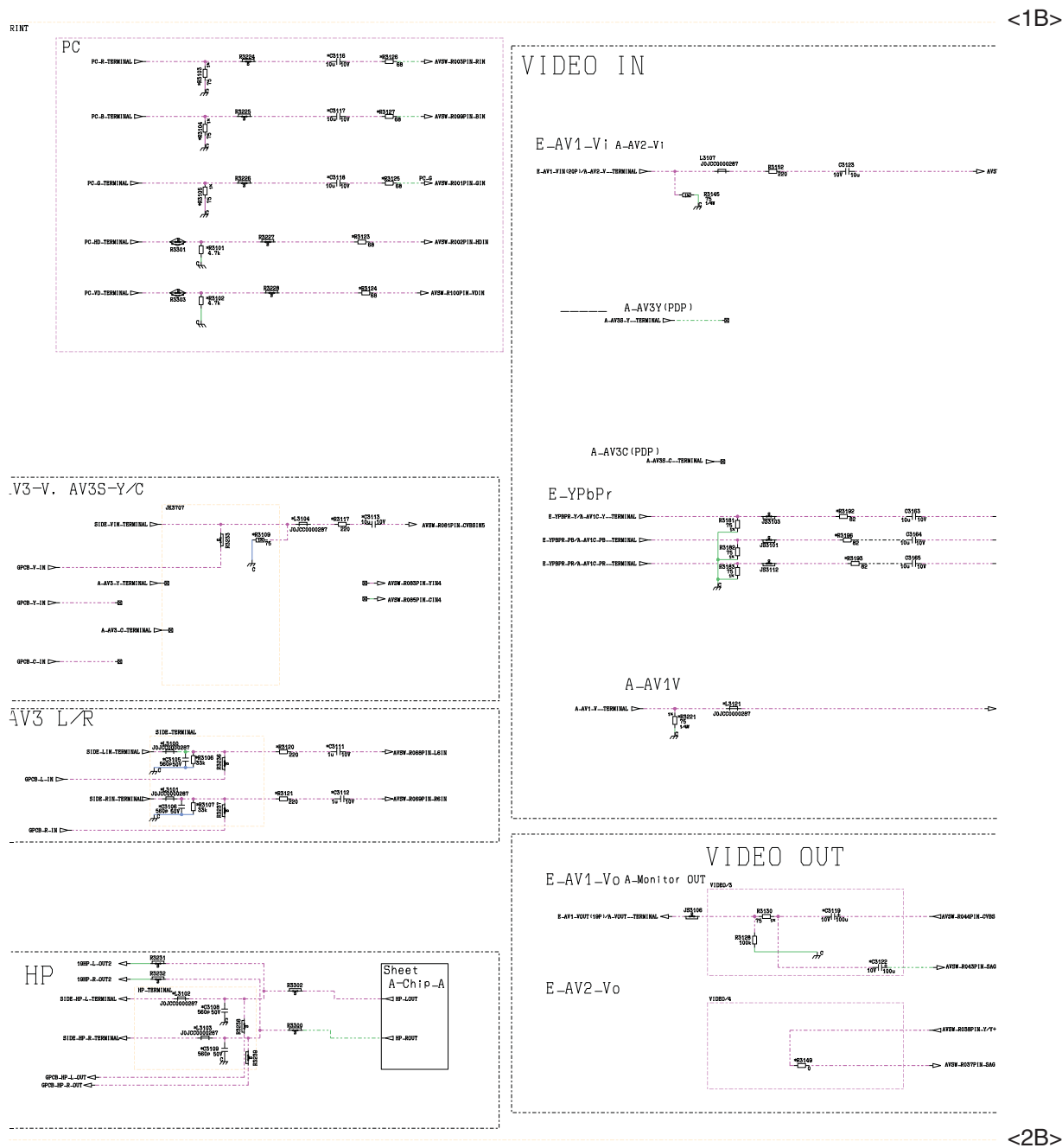
[illegible]

<2A>



11.2.21. A Board - Sheet : 040 (1 / 5)

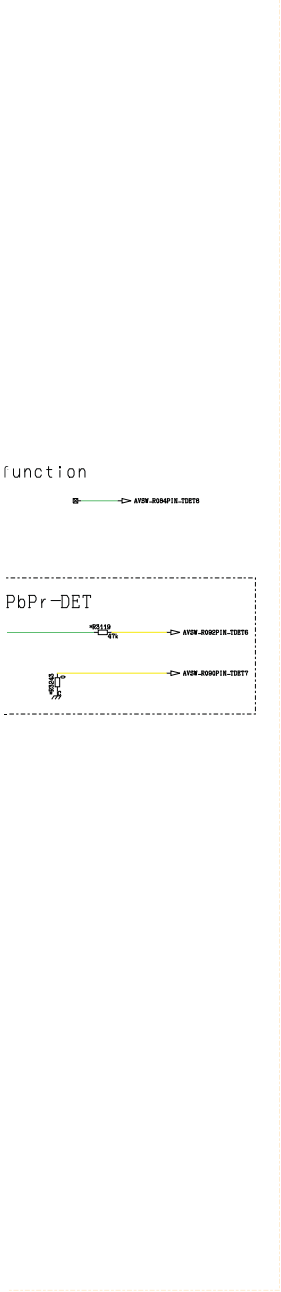






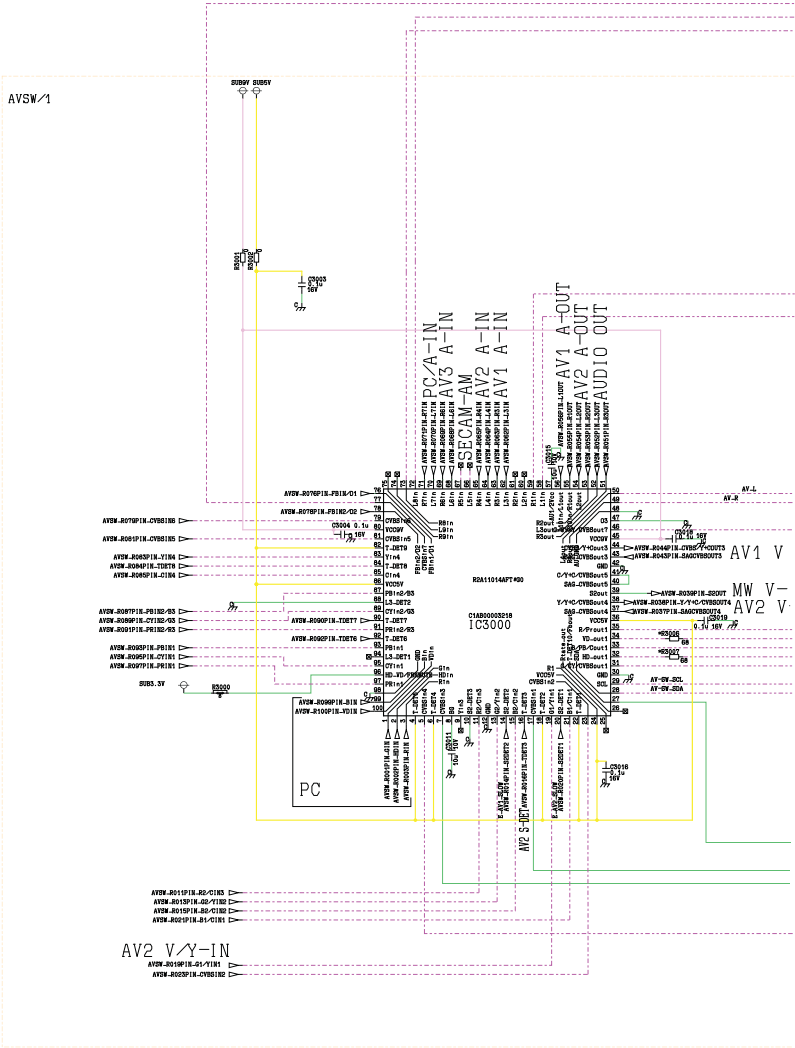
11.2.24. A Board - Sheet : 040 (4 / 5)

<1C>



<2C>

H-PRINT



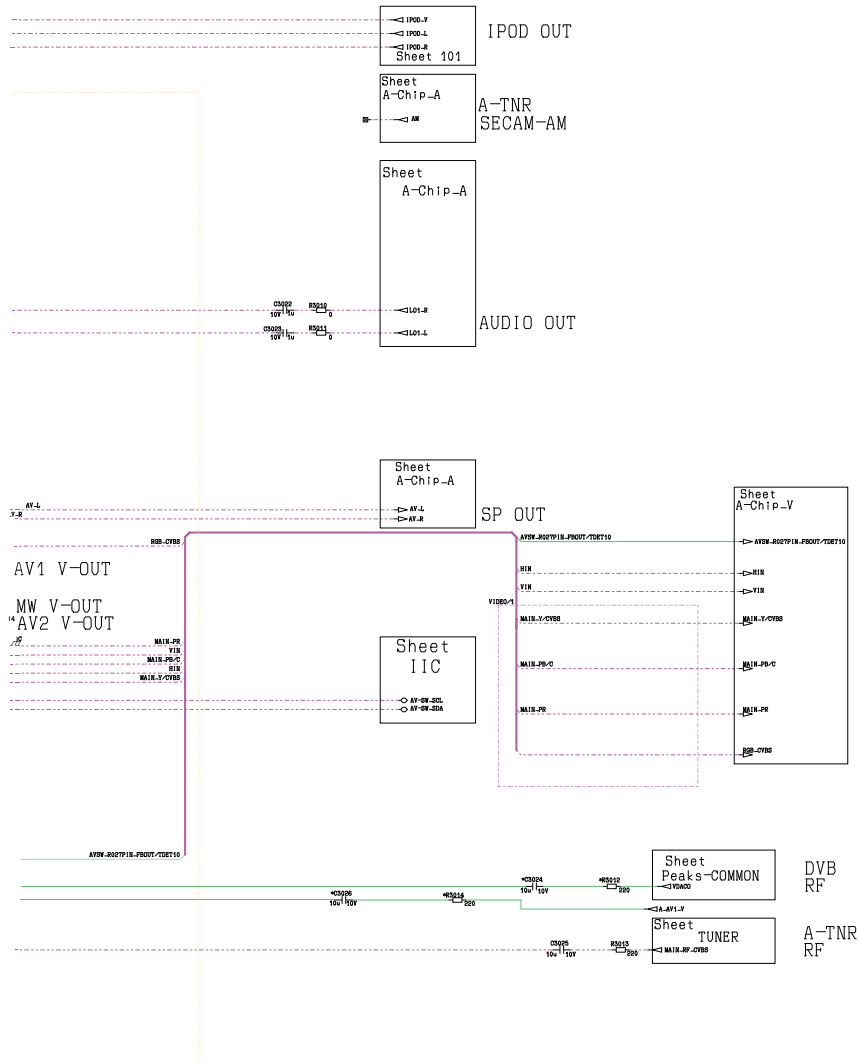
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<2D>

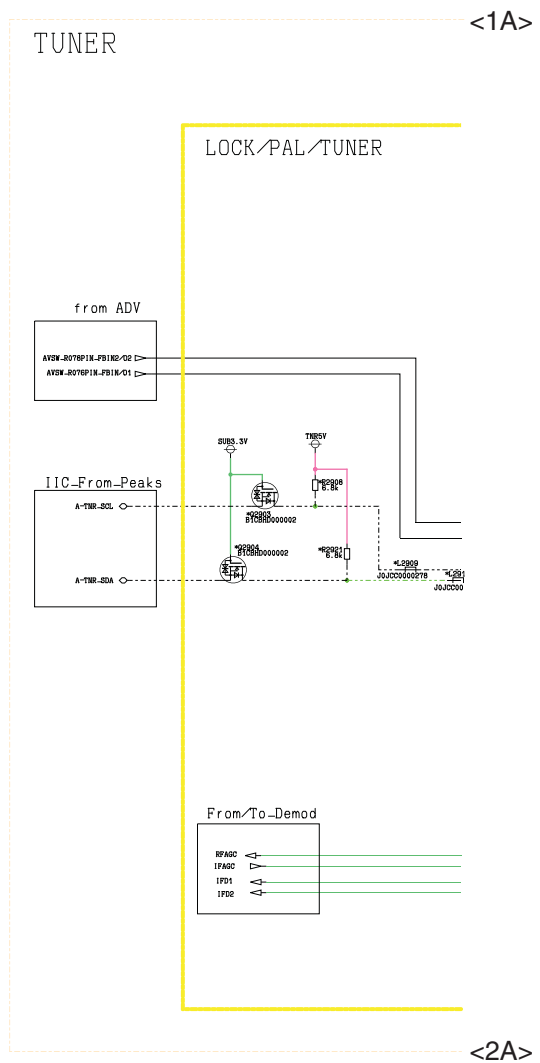
11.2.25. A Board - Sheet : 040 (5 / 5)

[Sheet 040]

<1D>

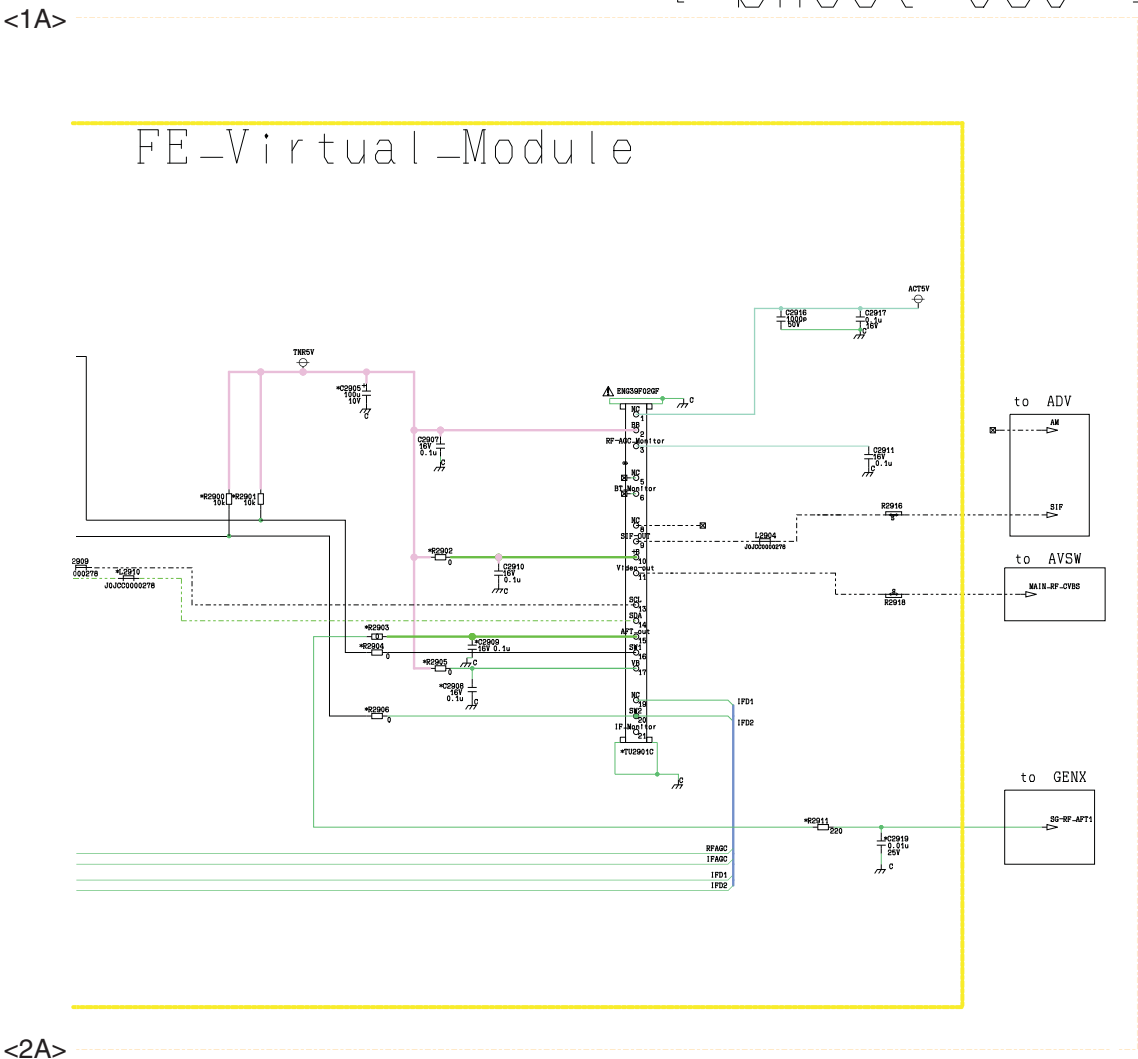


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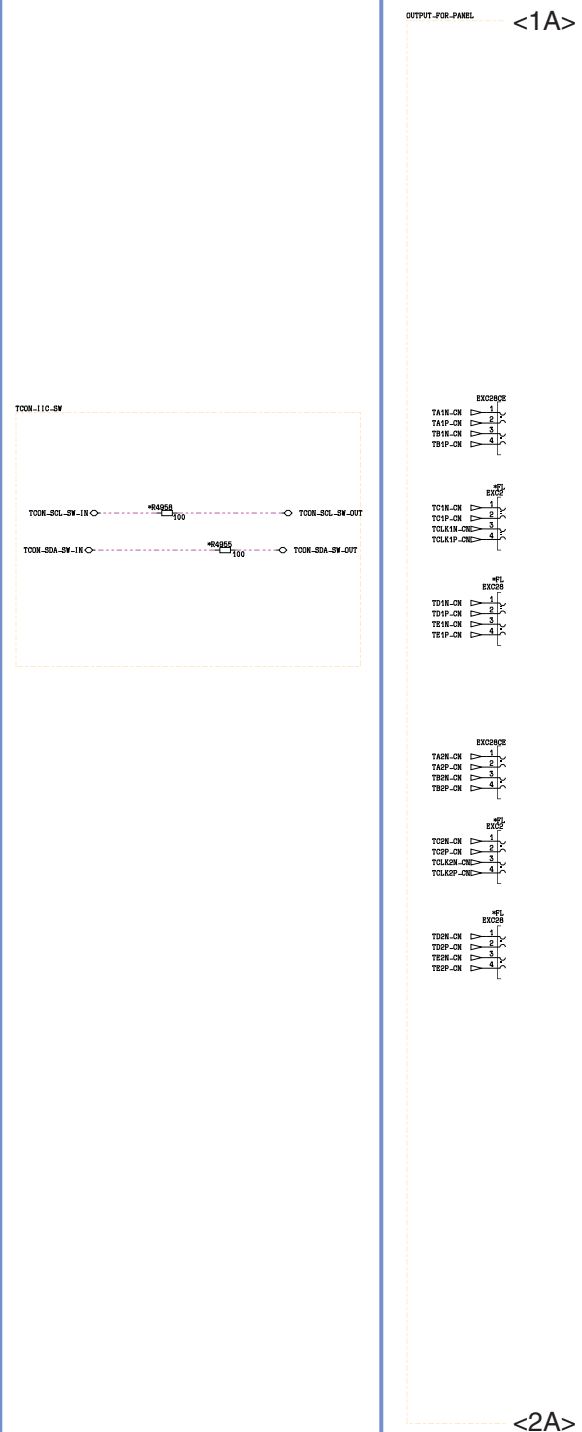
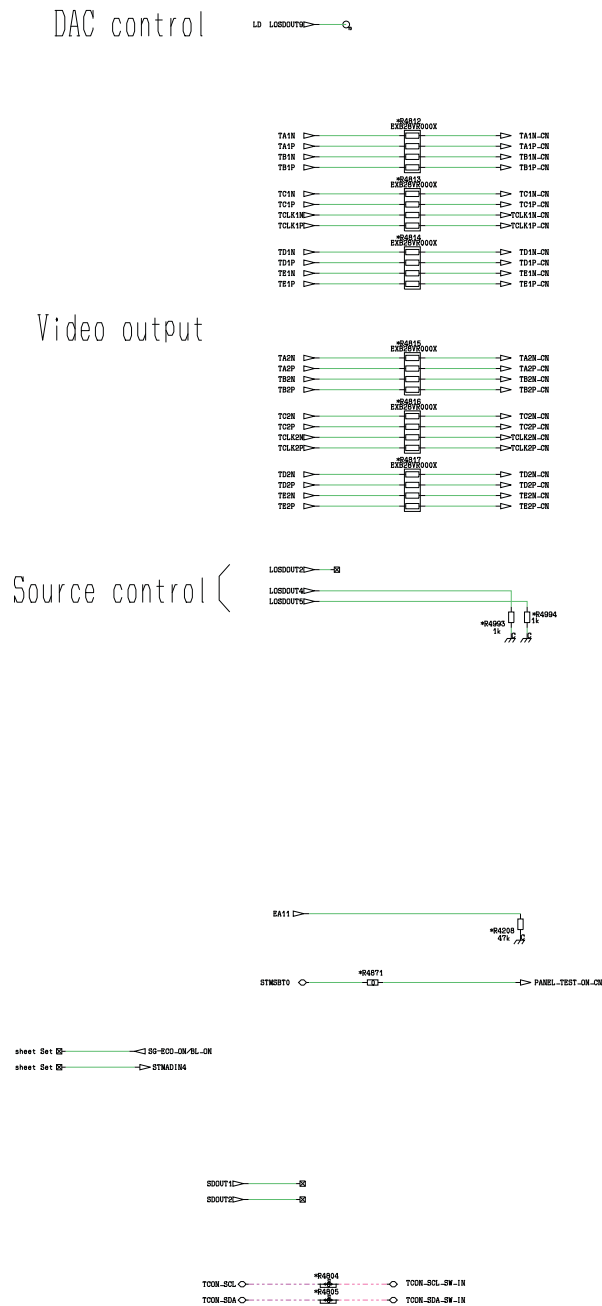


11.2.27. A Board - Sheet : 050 (2 / 2)

[Sheet 050]



11.2.28. A Board - Sheet : 060 (1 / 2)

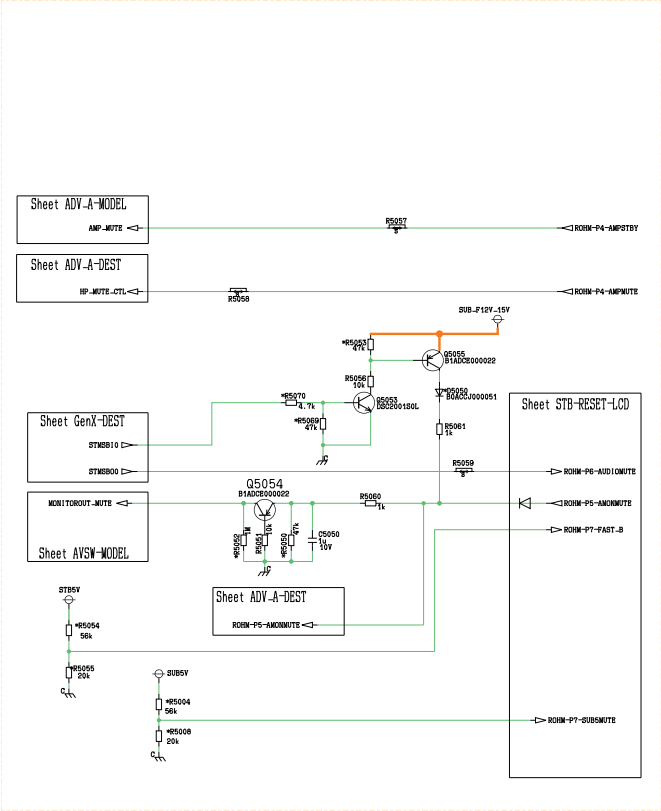


<1A> OR-PANEL

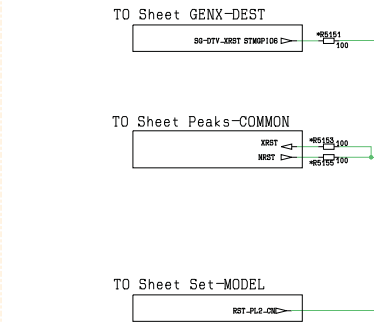


11.2.31. A Board - Sheet : 090 (1 / 3)

ROHM-MUTE



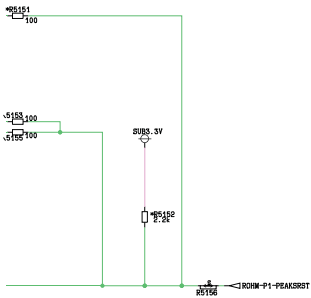
ROHM-PEAKS_RESET REI <1A>



<2A>

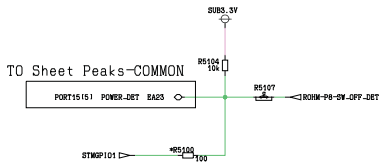
11.2.32. A Board - Sheet : 090 (2 / 3)

<1A> REF No . 5150-5199

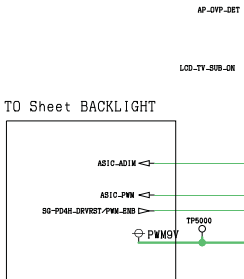


<2A>

NAND-PROTECT



<1B>

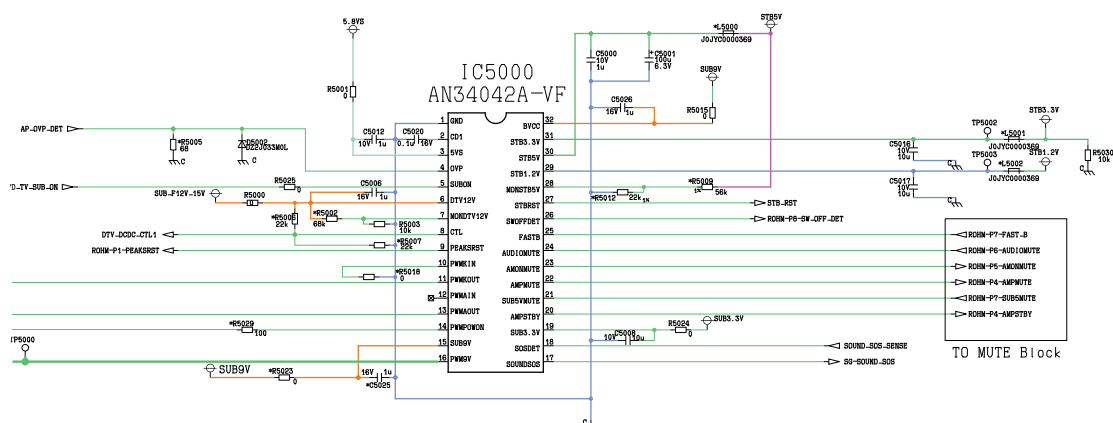


<2B>

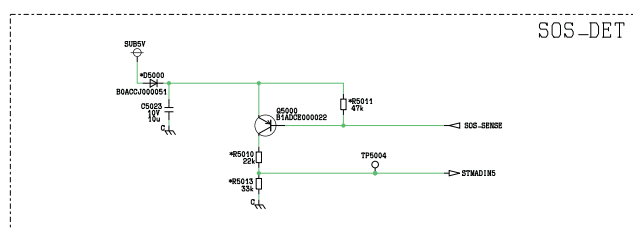
11.2.33. A Board - Sheet : 090 (3 / 3)

[Sheet 090]

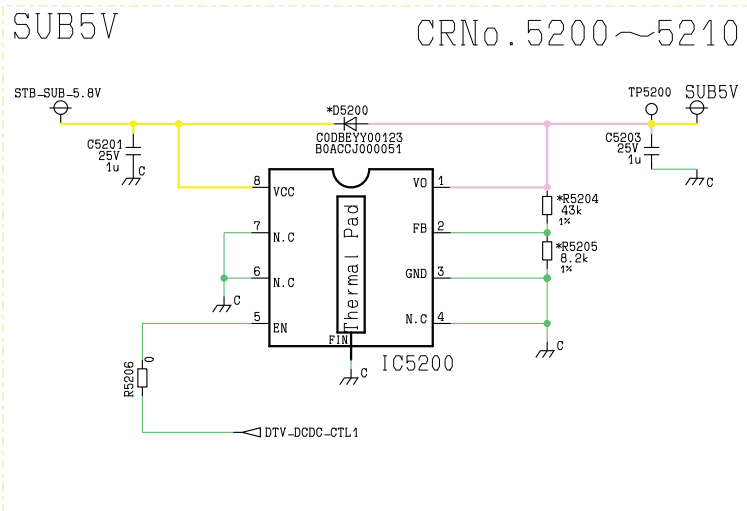
<1B>



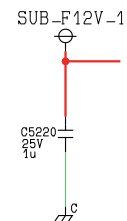
<2B>



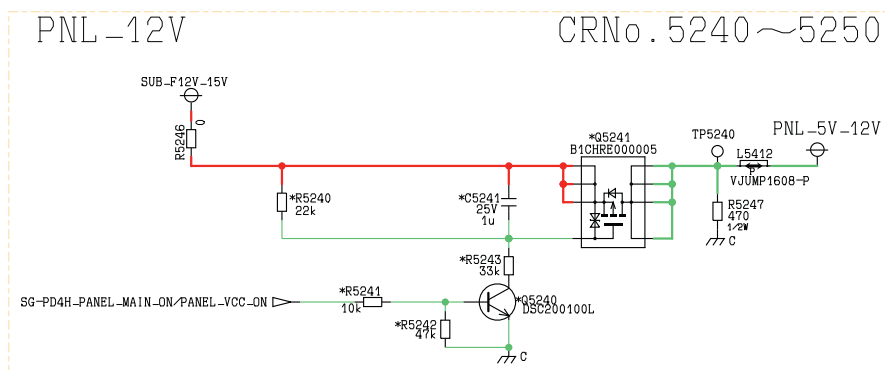
11.2.34. A Board - Sheet : 201 (1 / 3)



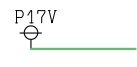
SUB9V <1A>



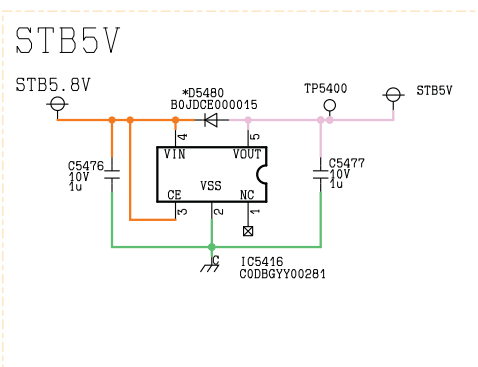
<2A>



MAIN-SND <3A>



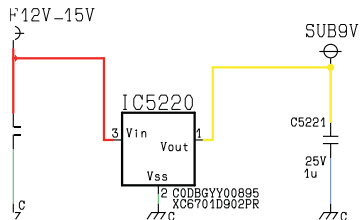
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11.2.35. A Board - Sheet : 201 (2 / 3)

<1A>

CRNo. 5220 ~ 5230

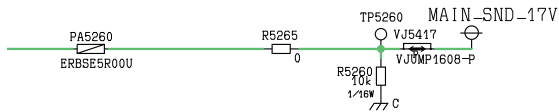


<2A>

<3A>

3ND-17V

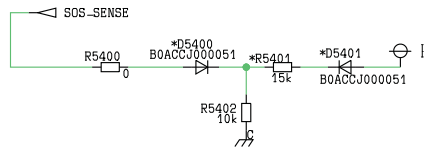
CRNo. 5260 ~ 5270



<4A>

<1B>

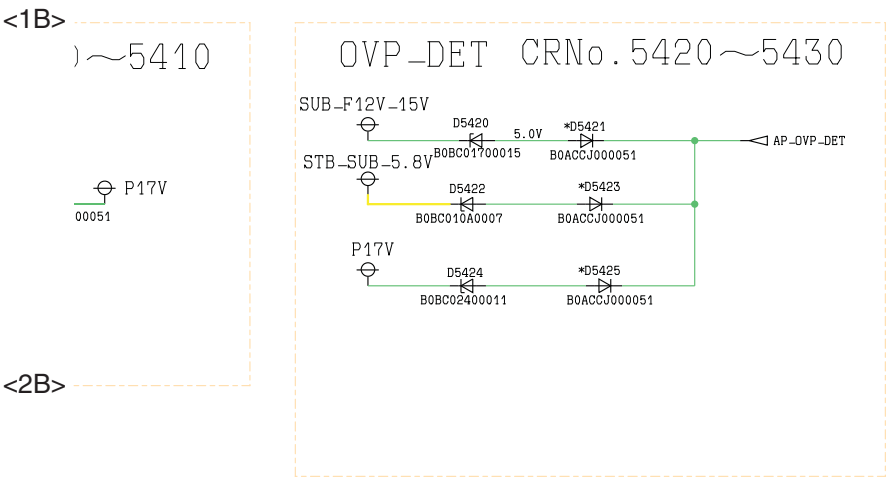
SOS-SENSE CRNo. 5400 ~



<2B>

11.2.36. A Board - Sheet : 201 (3 / 3)

[Sheet 201]

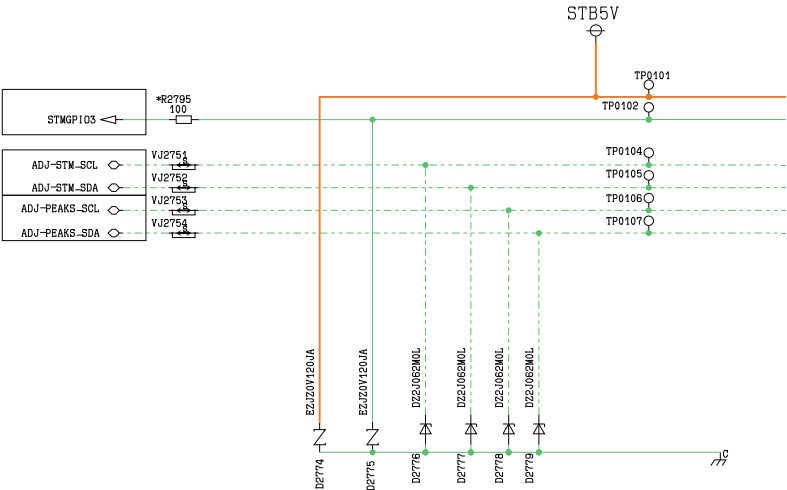


11.2.37. A Board - Sheet : 300 (1 / 4)

FOR ADJUSTMENT AND DEVELOPMENT PDP

<1A>

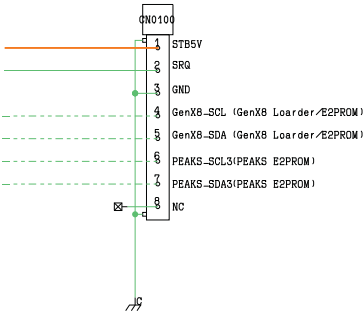
TO Sheet GenX-DEST
TO Sheet IIC/Panel-D-PDP
TO Sheet IIC



<2A>

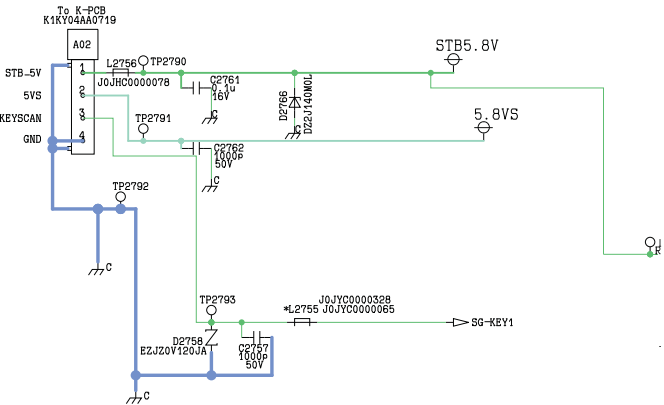
11.2.38. A Board - Sheet : 300 (2 / 4)

<1A>



<2A>

to P-PCB & K-PCB



<1B>

TP2785

<2B>

<1B>



Pinout diagram for K1KY08AA0719:

- SUB5V: 8
- GND: 9
- REMOTE: 6
- AI: 5
- STB3.3V: 4
- G-LED: 3
- R-LED: 2
- IRD-LED: 1

Connections to TP27xx components:

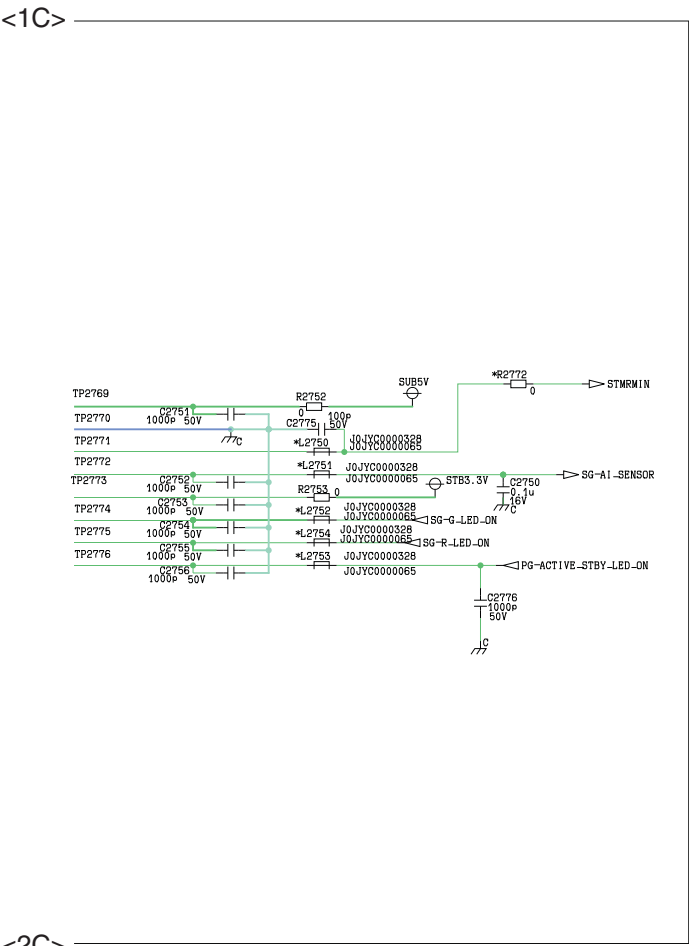
- TP2769: 8
- TP2770: 9
- TP2771: 6
- TP2772: 5
- TP2773: 4
- TP2774: 3
- TP2775: 2
- TP2776: 1

AI0 is connected to GND.

- <2C>

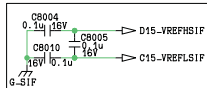
11.2.40. A Board - Sheet : 300 (4 / 4)

Sheet 300]

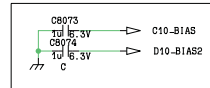


LOCK/SLD

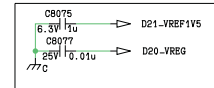
SIF I/F



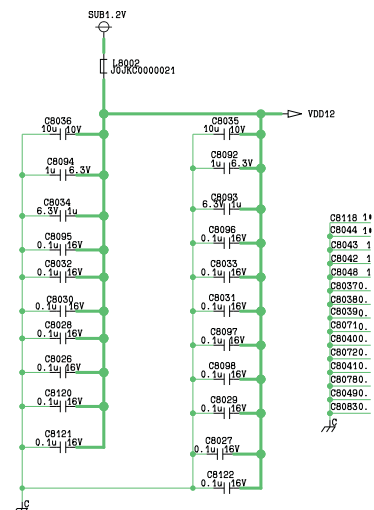
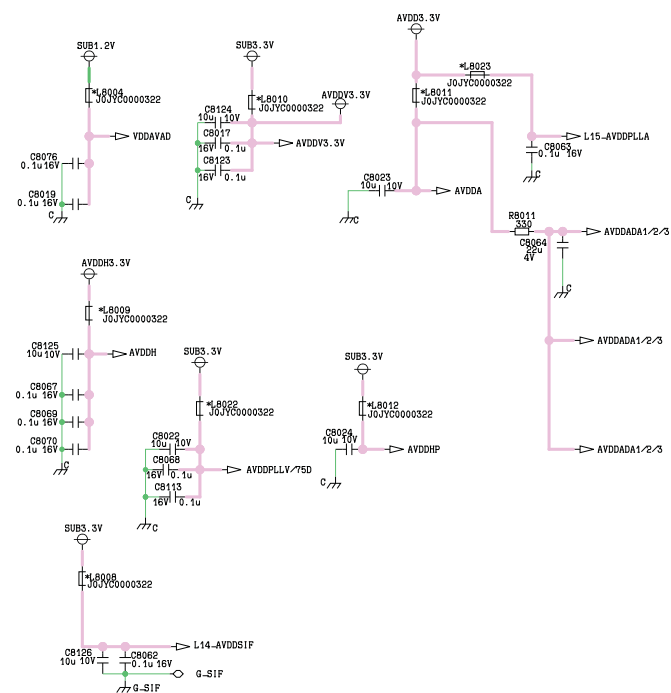
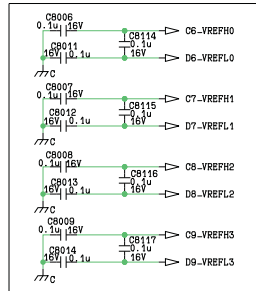
VSW



Analog Audio In I/F



ADC



C8118 1#
C8044 1#
C8043 1
C8042 1
C8048 1
C80370.
C80380.
C80390.
C80710.
C80400.
C80720.
C80410.
C80780.
C80490.
C80830.
C

SIF_GND



The diagram shows a component labeled 'C' connected to a ground symbol. A wire connects the other terminal of 'C' to a component labeled 'G-SIF', which is also connected to a ground symbol.

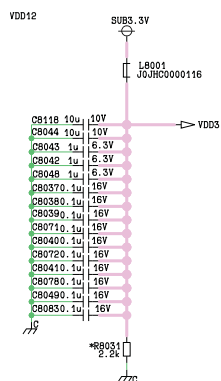
<2A>

11.2.42. A Board - Sheet : 700 (2 / 2)

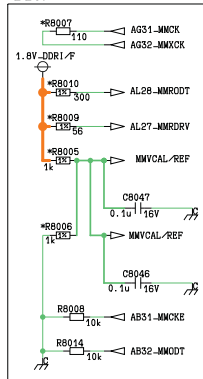
[Sheet 700]

<1A>

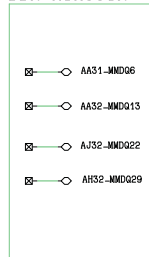
Dchip



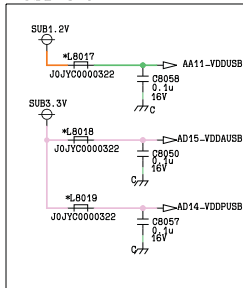
DDR



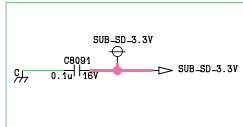
DDR MONITOR



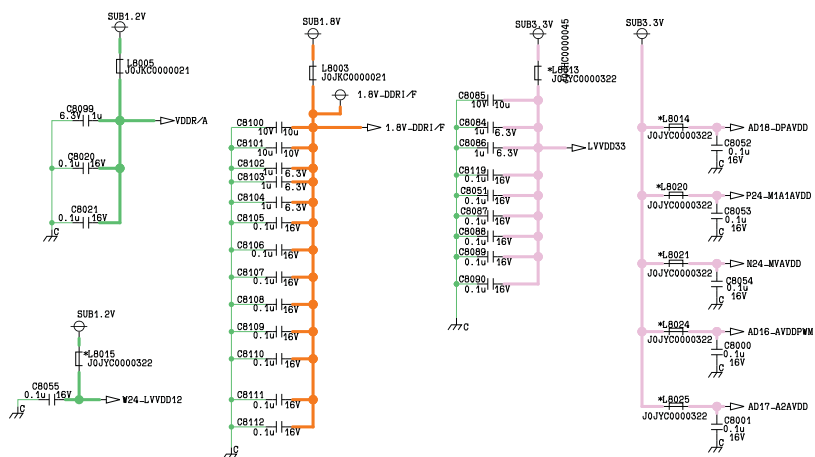
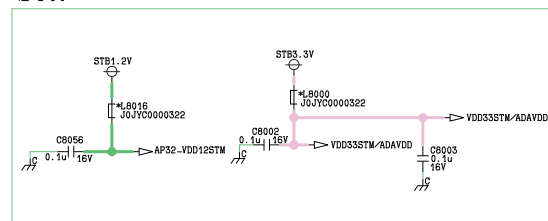
USB I/F



SD CARD I/F

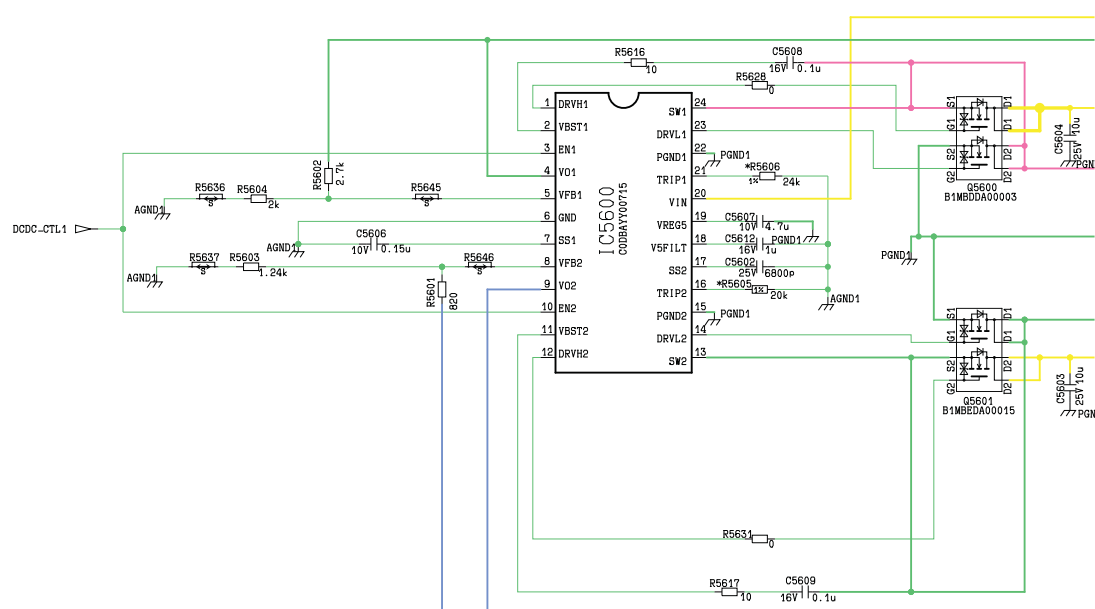


STM



<1A>

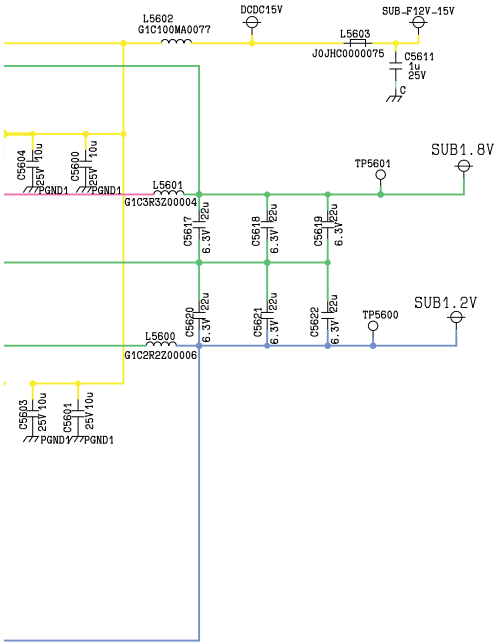
<2A>



11.2.44. A Board - Sheet : 701 (2 / 2)

Sheet 701]

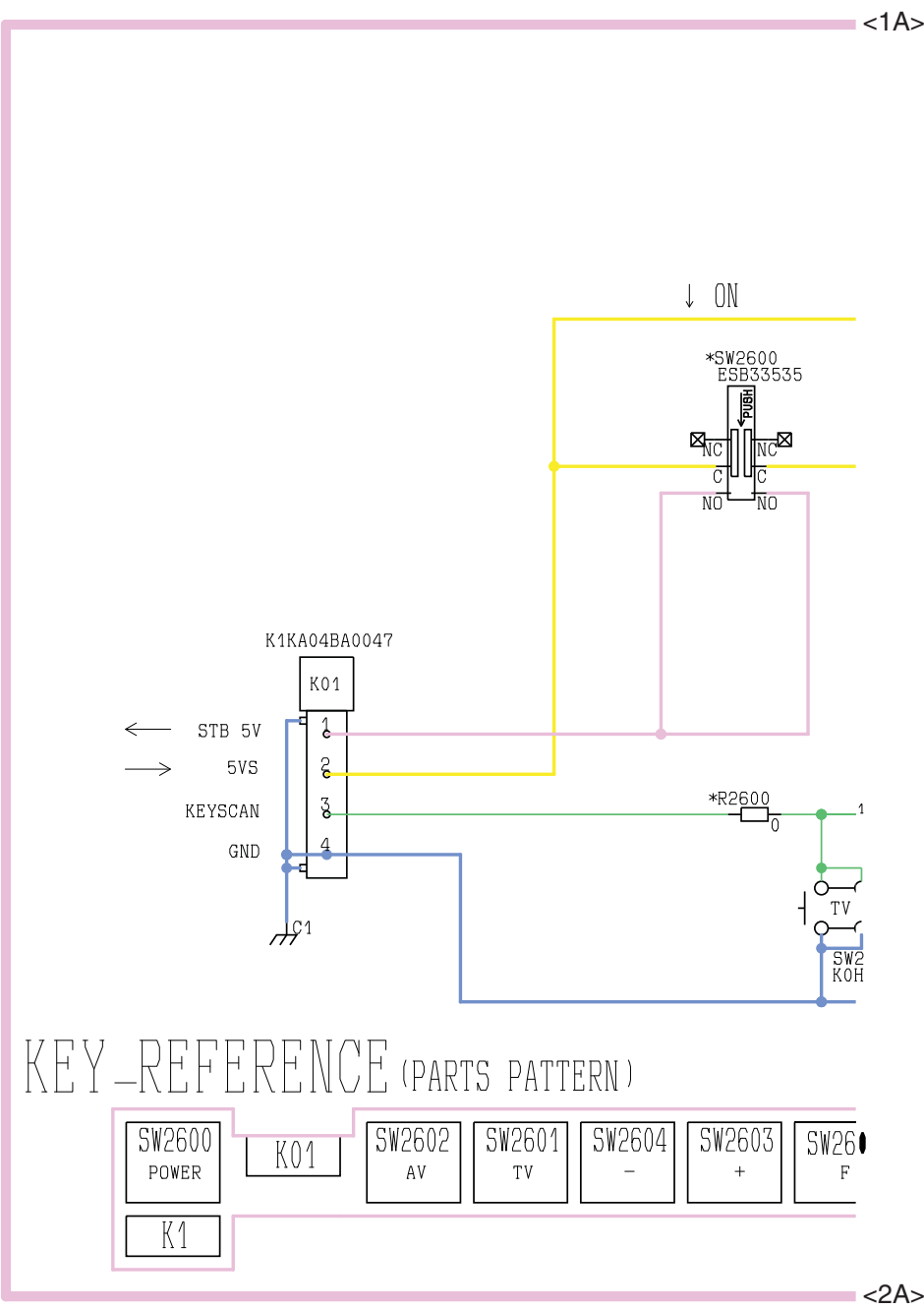
<1A>



<2A>

11.3. K Board

11.3.1. K Board (1 / 2)

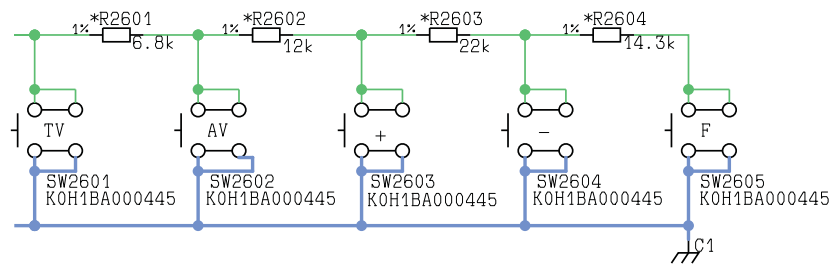


11.3.2. K Board (2 / 2)

TNPA4901BQ

K

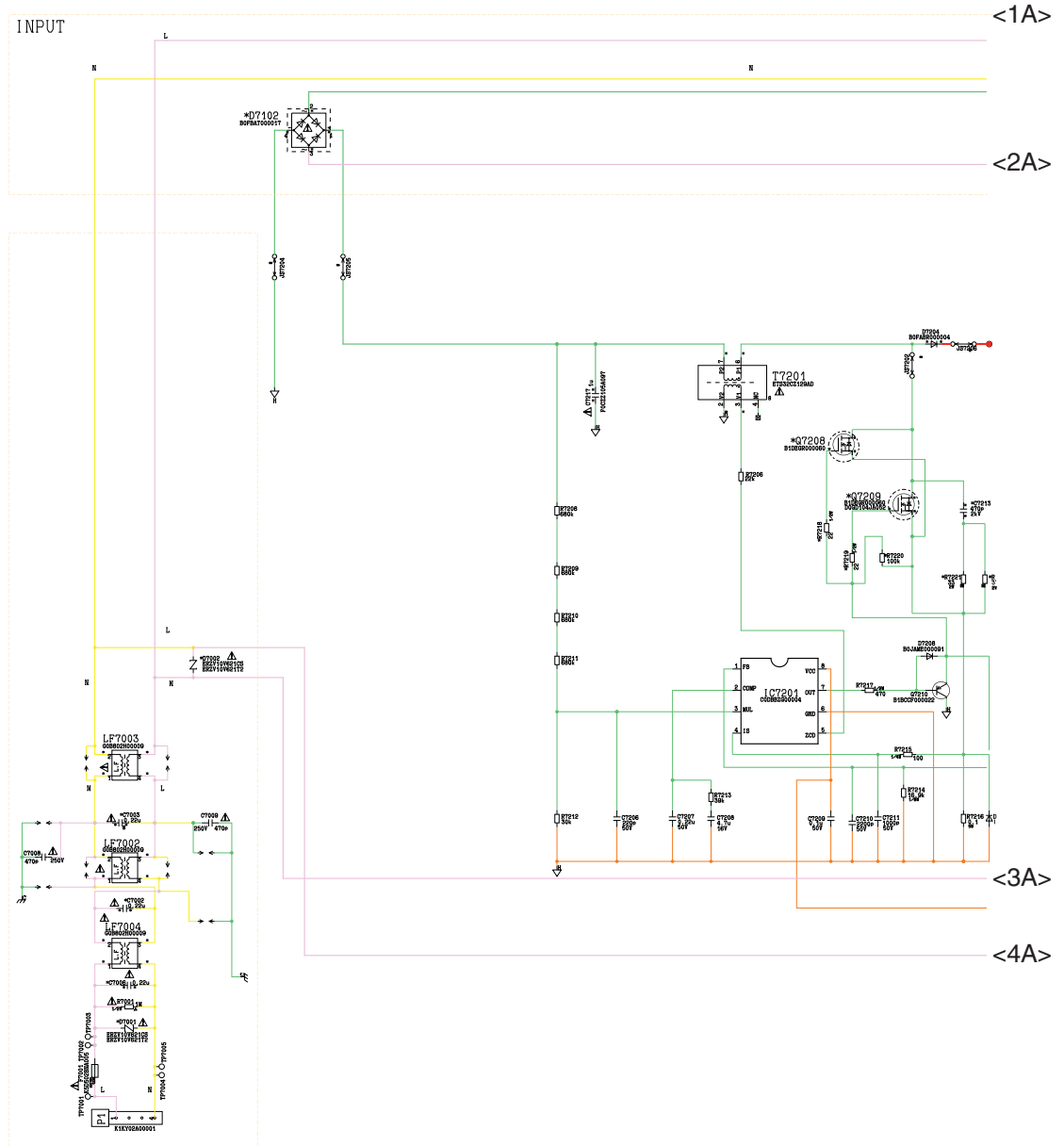
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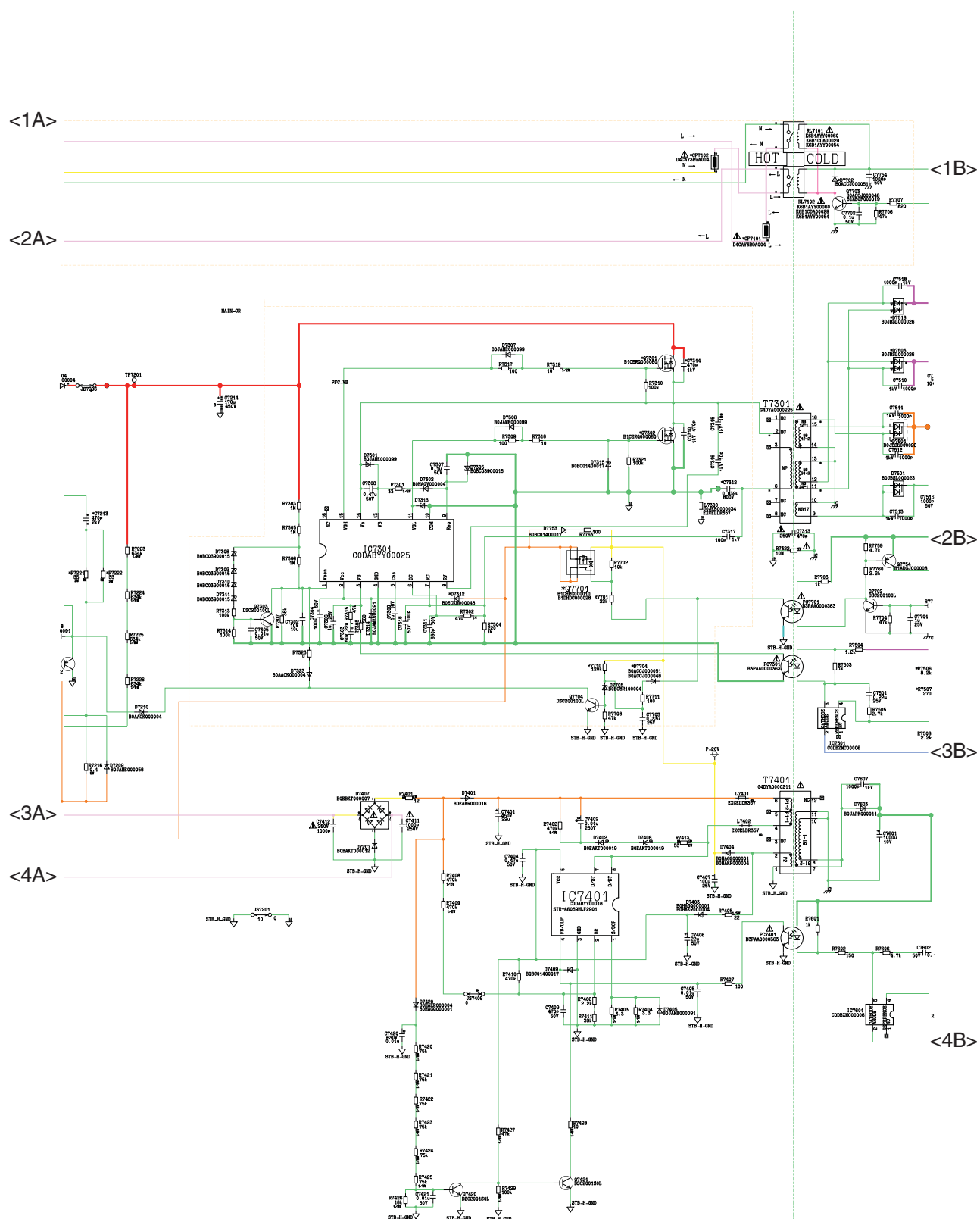
<2A>

11.4. P Board

11.4.1. P Board (1 / 3)

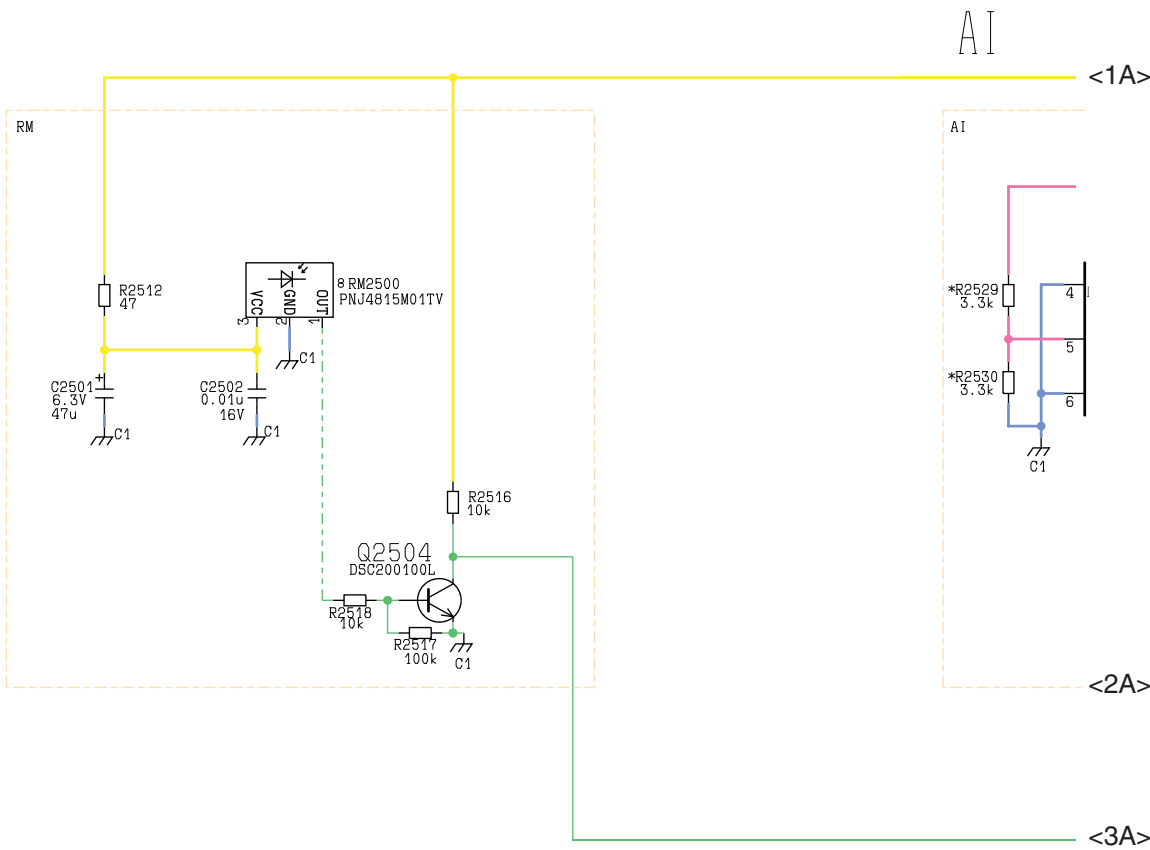


11.4.2. P Board (2 / 3)

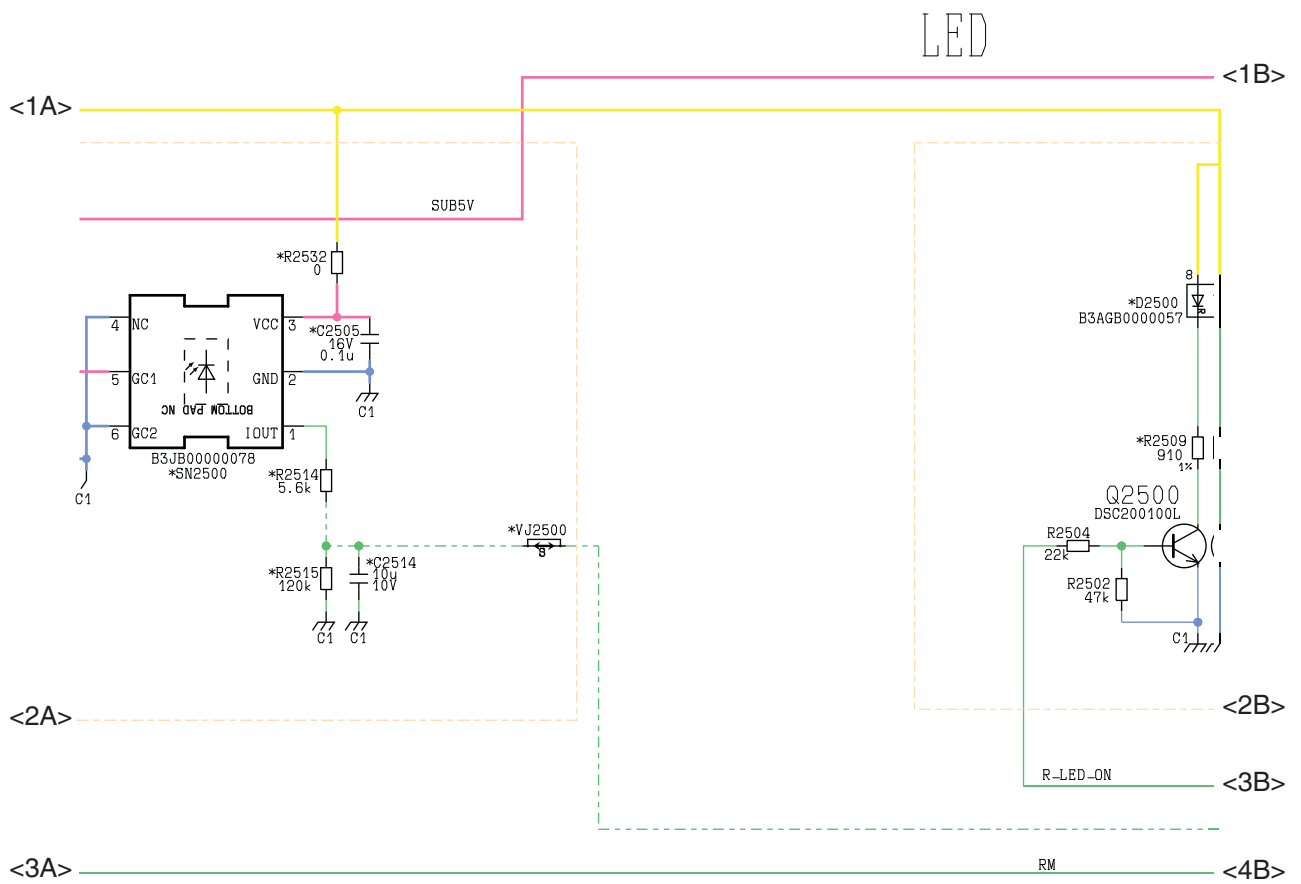


11.5. V Board

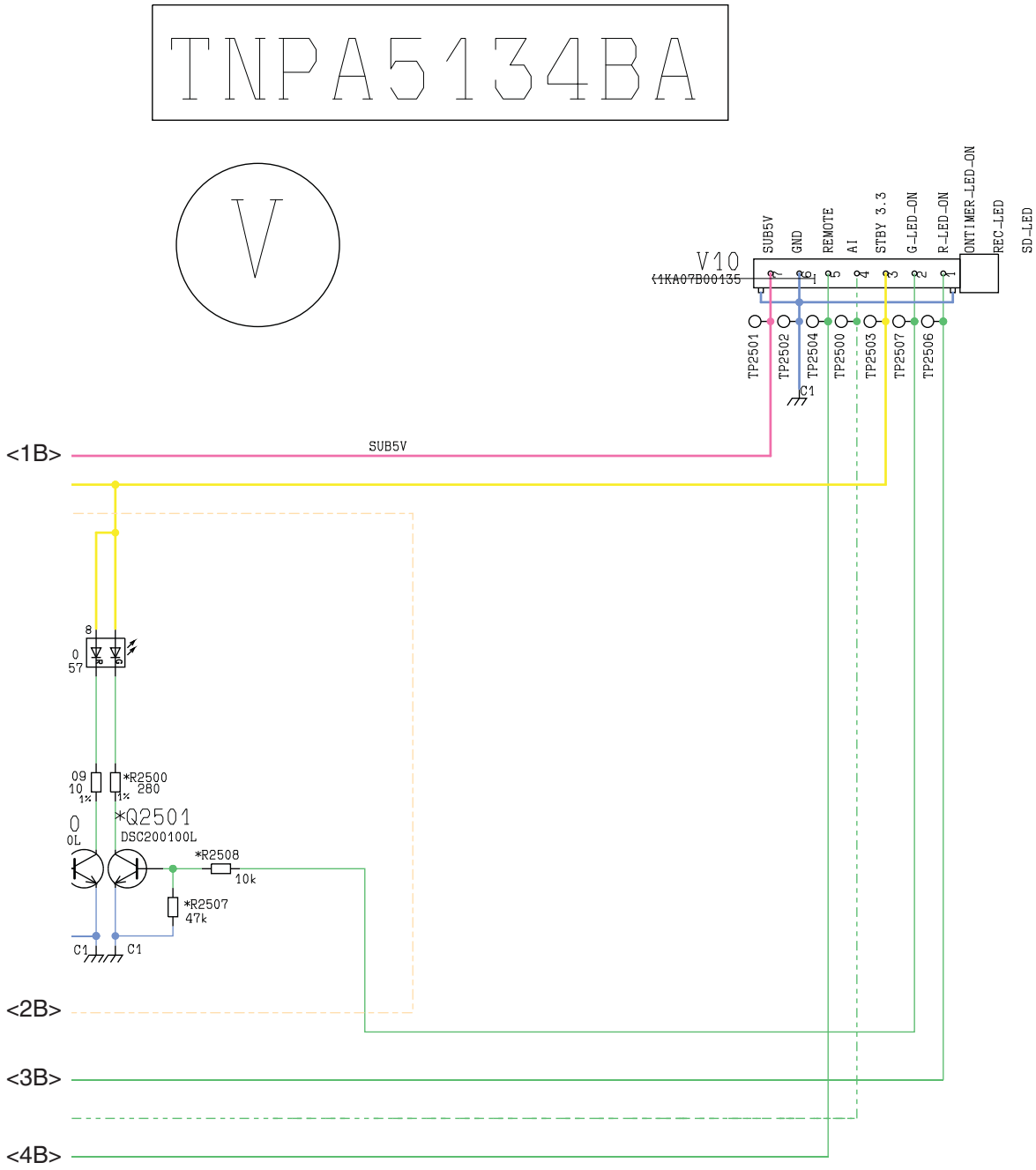
11.5.1. V Board (1 / 3)



11.5.2. V Board (2 / 3)



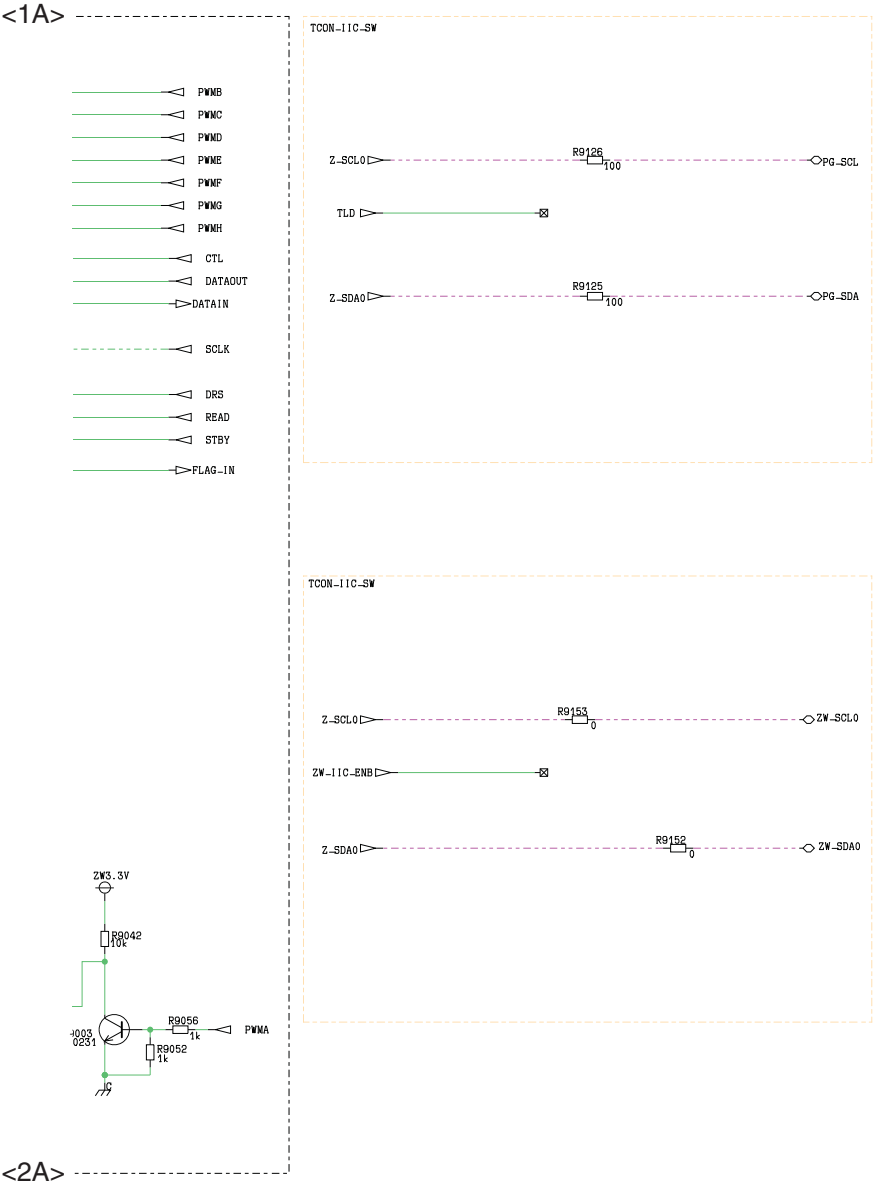
11.5.3. V Board (3 / 3)



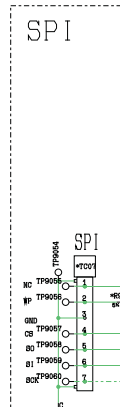
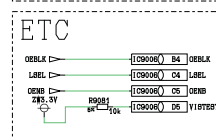
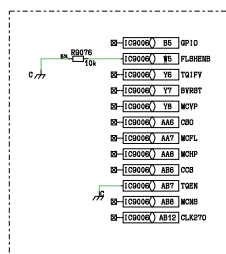
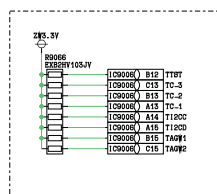


11.6.2. TC Board - Sheet : 001 (2 / 2)

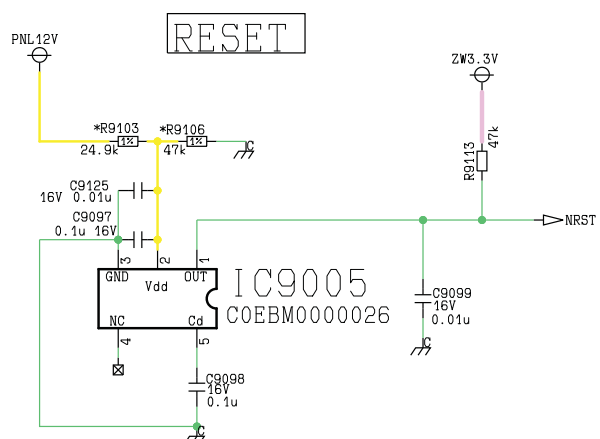
[Sheet 001]



--<2A>



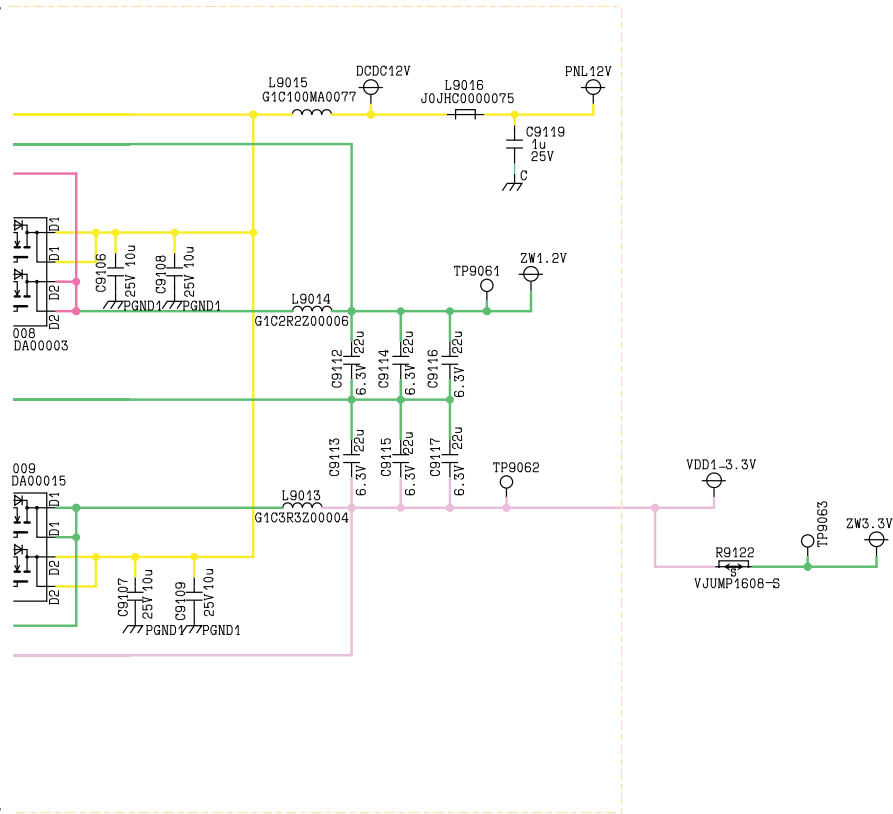




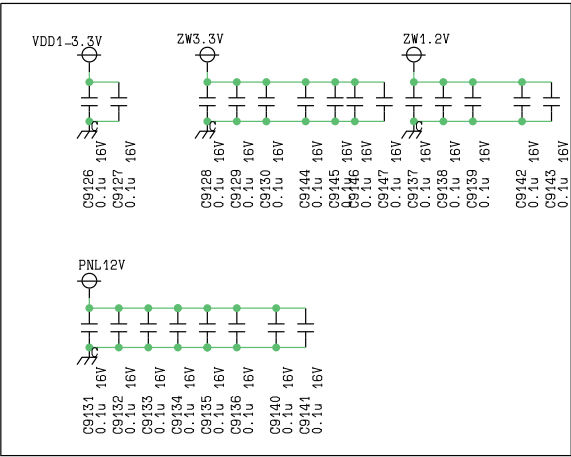
11.6.6. TC Board - Sheet : 003 (2 / 2)

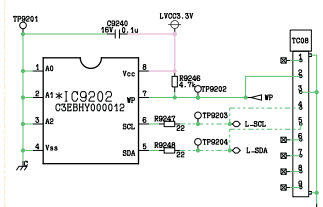
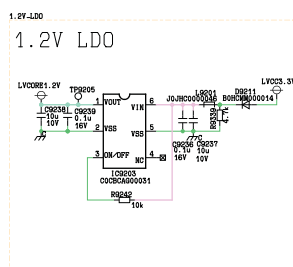
[Sheet 003]

<1A>

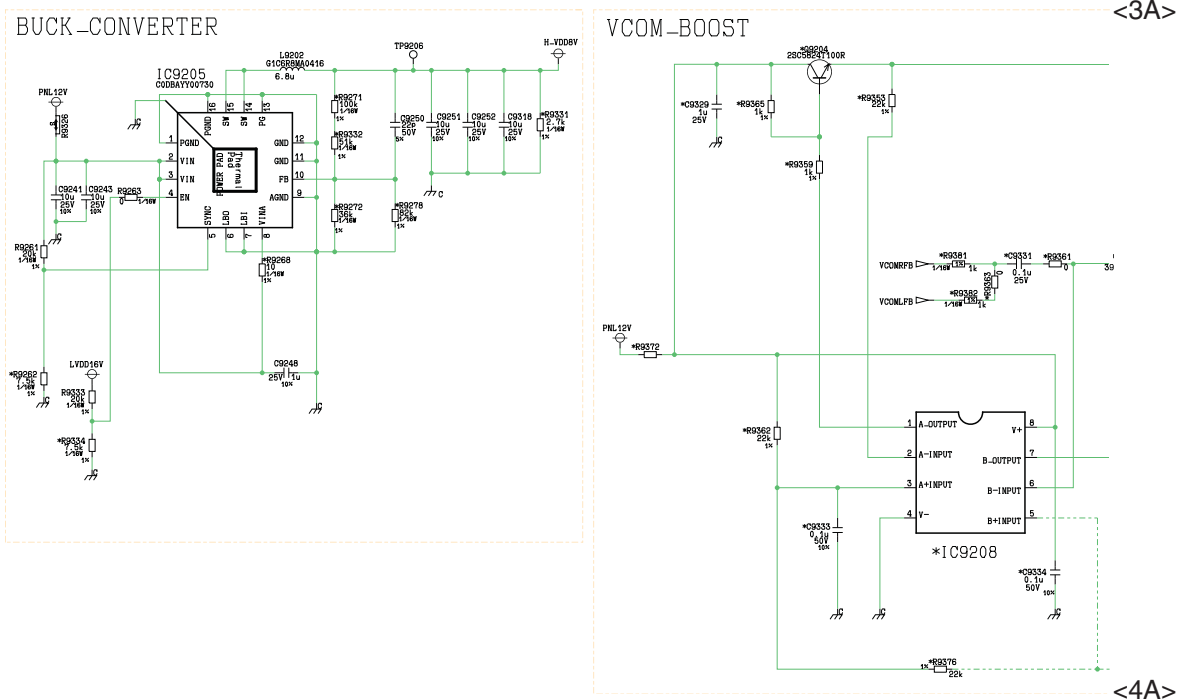
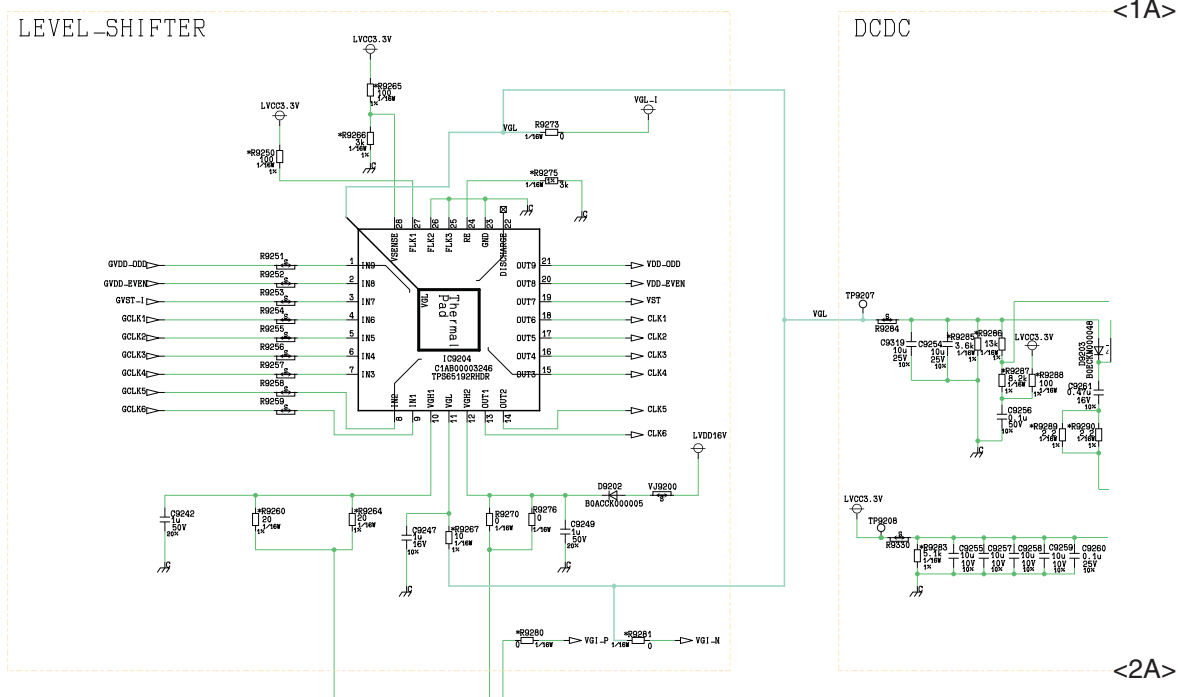


<2A>





11.6.8. TC Board - Sheet : 005 (1 / 3)

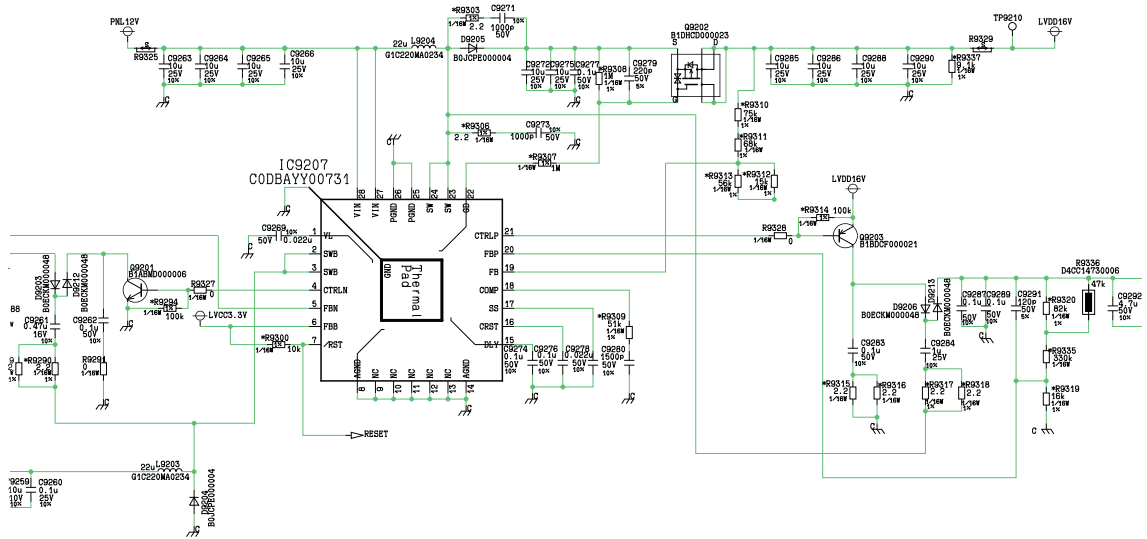


11.6.9. TC Board - Sheet : 005 (2 / 3)

[S]

<1A>

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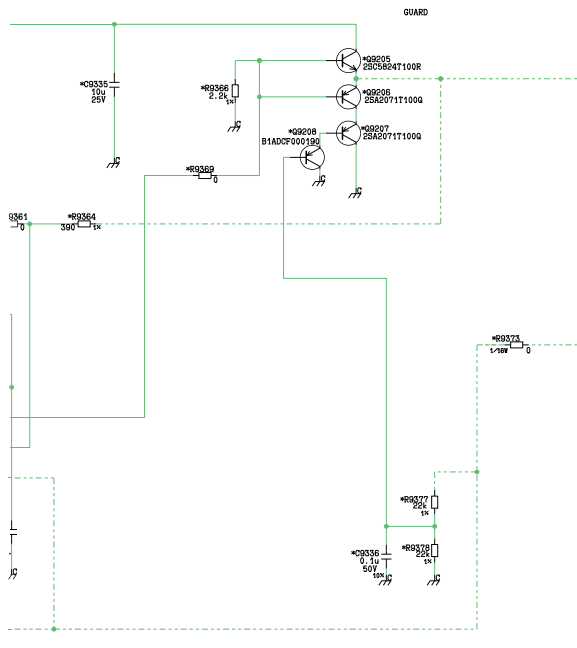


<2A>

<2B>

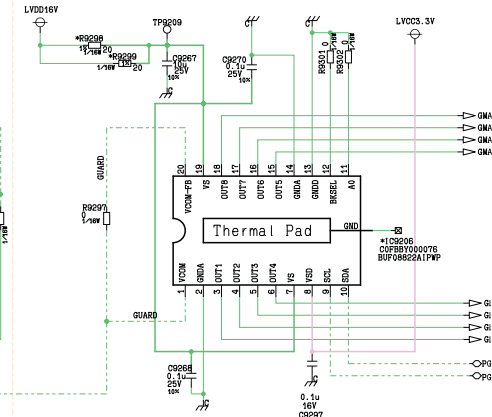
<3A>

<3B>

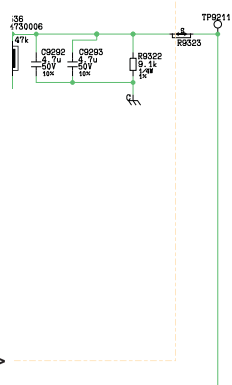


<4A>

DAC

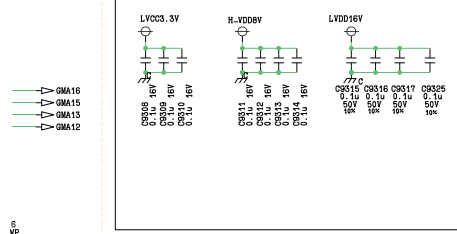


<1B>



<2B>

<3B>

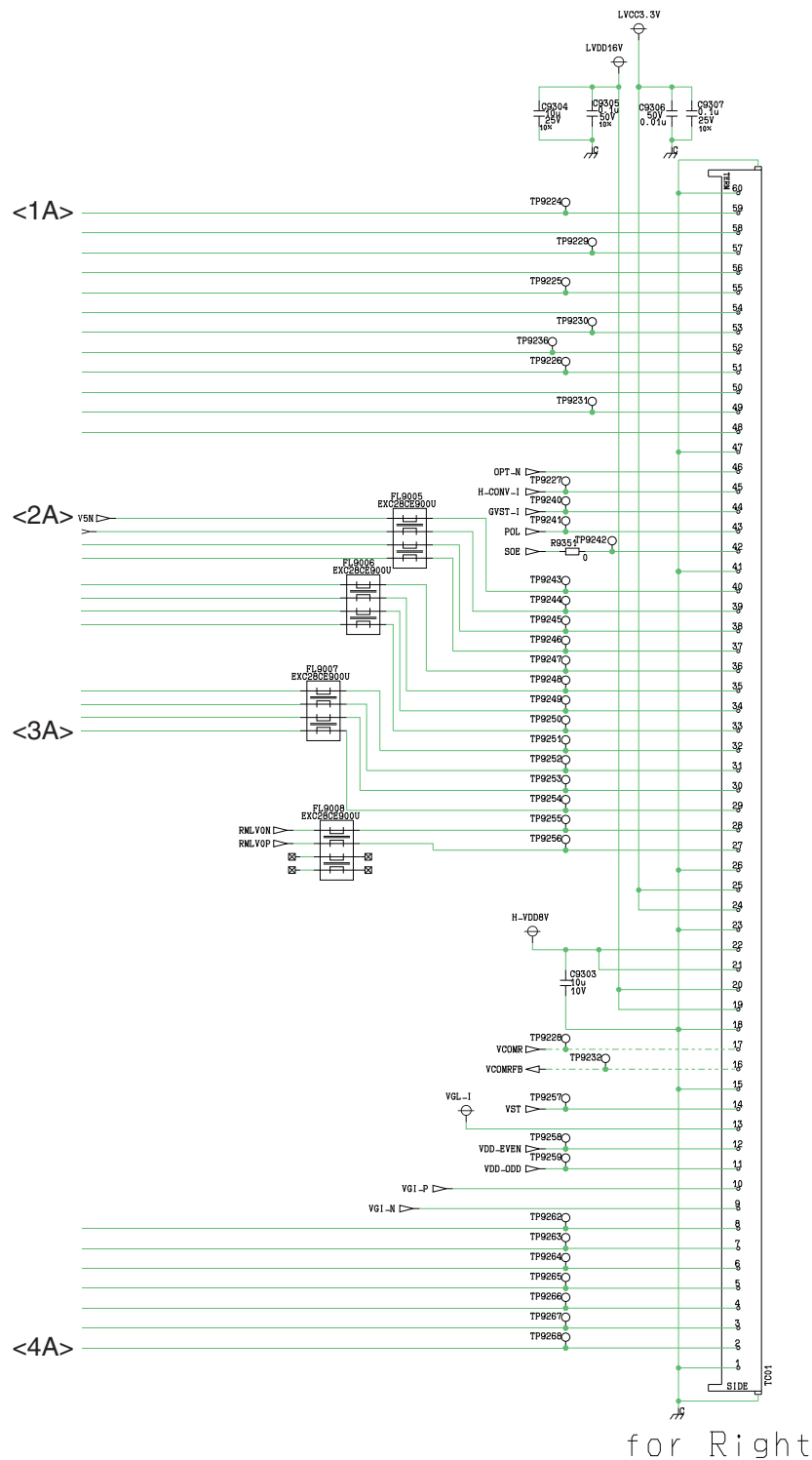


<4B>



11.6.12. TC Board - Sheet : 006 (2 / 2)

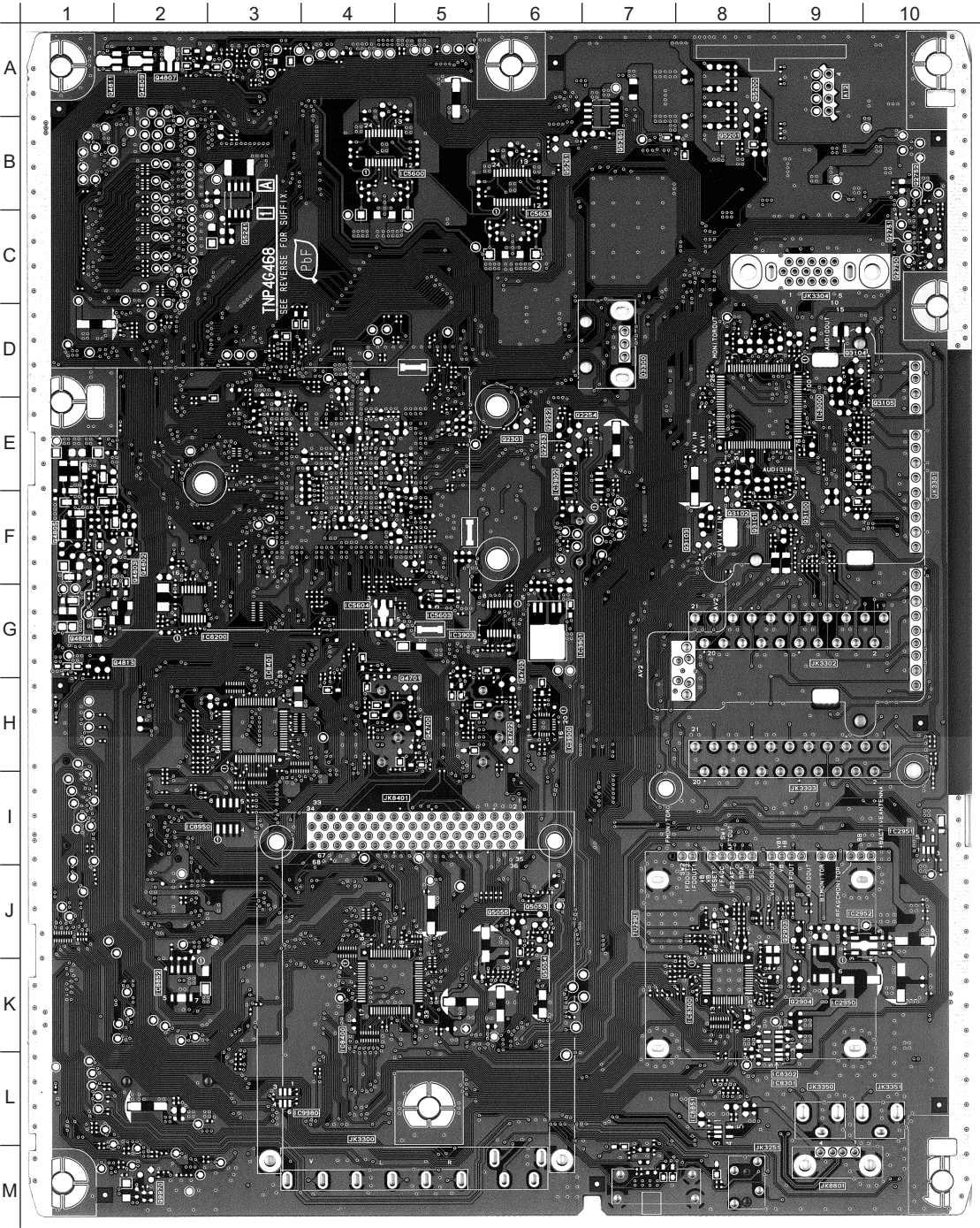
[Sheet 006]



12 Printed Circuit Board

12.1. A-Board

A-Board (A Side)
TNP4G468

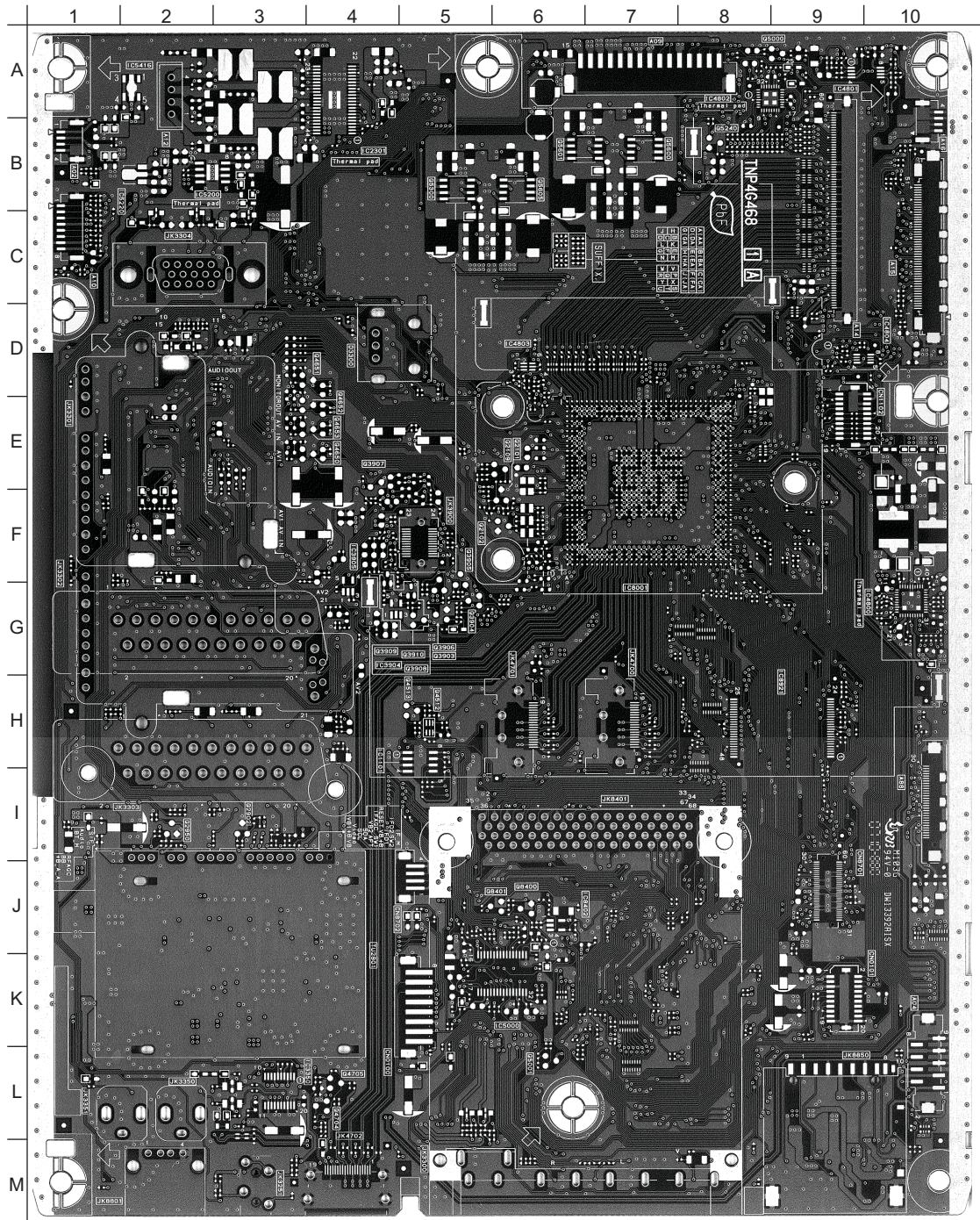


Parts Location

Ref. No	Location	Ref. No	Location	Ref. No	Location	Ref. No	Location
IC2950	K10	IC3902	E6	IC8200	G2	IC8851	L8
IC2951	I10	IC3903	G5	IC8300	K8	IC8852	K2
IC2952	J9	IC5600	B4	IC8301	L9	IC9980	L4
IC3000	E9	IC5601	B6	IC8302	L9	IC8950	I2
IC3900	H7	IC5603	G5	IC8400	K4	D3300	D7
IC3901	G7	IC5604	G4	IC8401	G3		

12.2. A-Board

A-Board (B Side)
TNP4G468

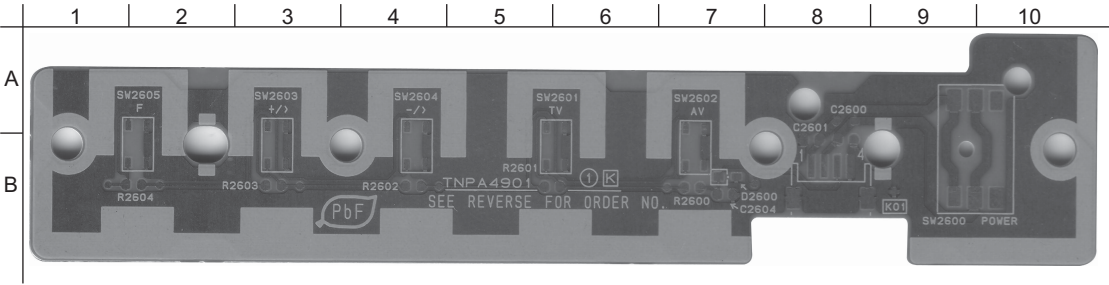


Parts Location

Ref. No	Location	Ref. No	Location	Ref. No	Location	Ref. No	Location
IC1101	H4	IC4801	A9	IC5220	B1	D3300	D4
IC2301	B4	IC4802	A8	IC5416	A2		
IC3350	L4	IC4803	D6	IC8001	F7		
IC3904	G4	IC4804	D10	IC8402	J7		
IC3905	F4	IC5000	K6	IC8921	H9		
IC4800	G10	IC5200	B2				

12.3. K-Board

K-Board (A Side)
TNPA4901

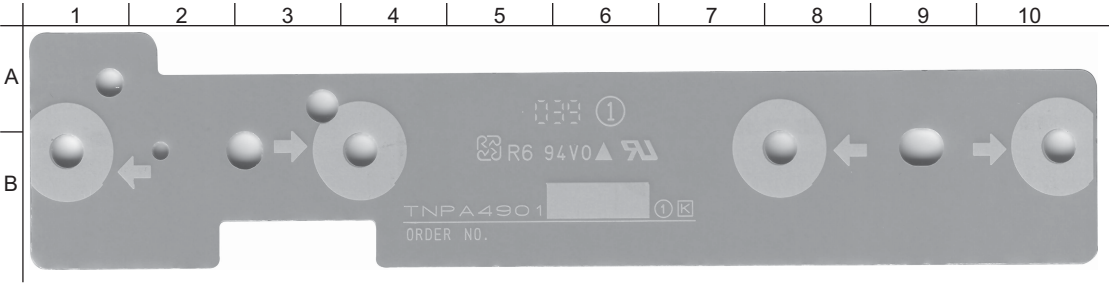


Parts Location

Ref. No	Location
D2600	B7

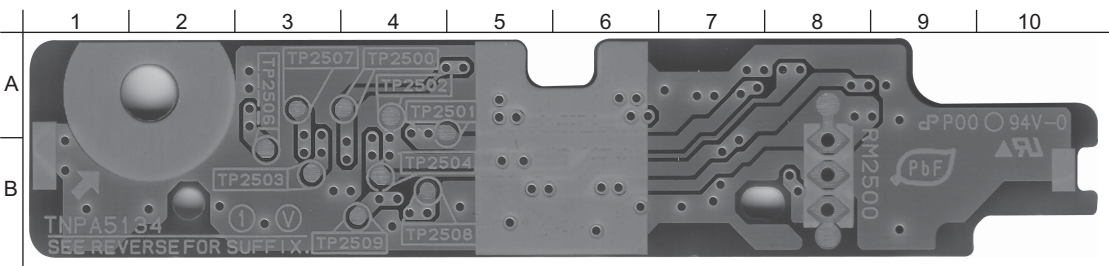
12.4. K-Board

K-Board (B Side)
TNPA4901



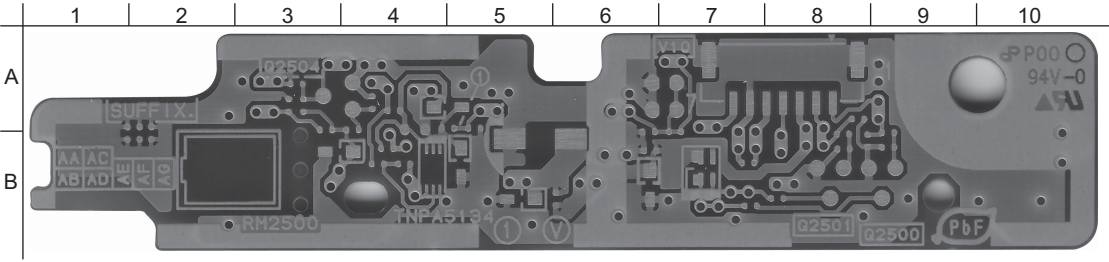
12.5. V-Board

V-Board (A Side)
TNPA5134



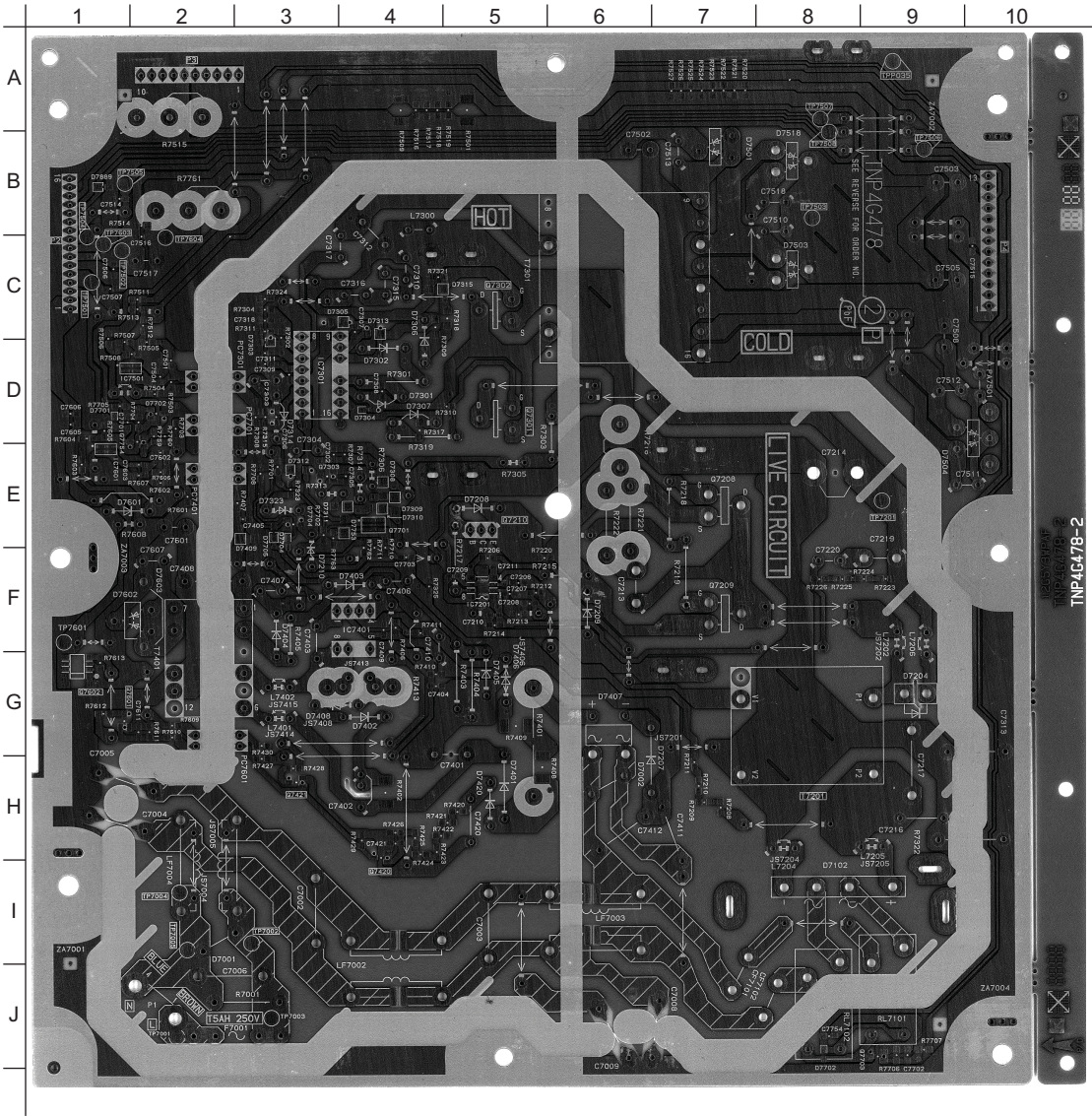
12.6. V-Board

V-Board (B Side)
TNPA5134



12.7. P-Board

P-Board (A Side)
TNP4G478

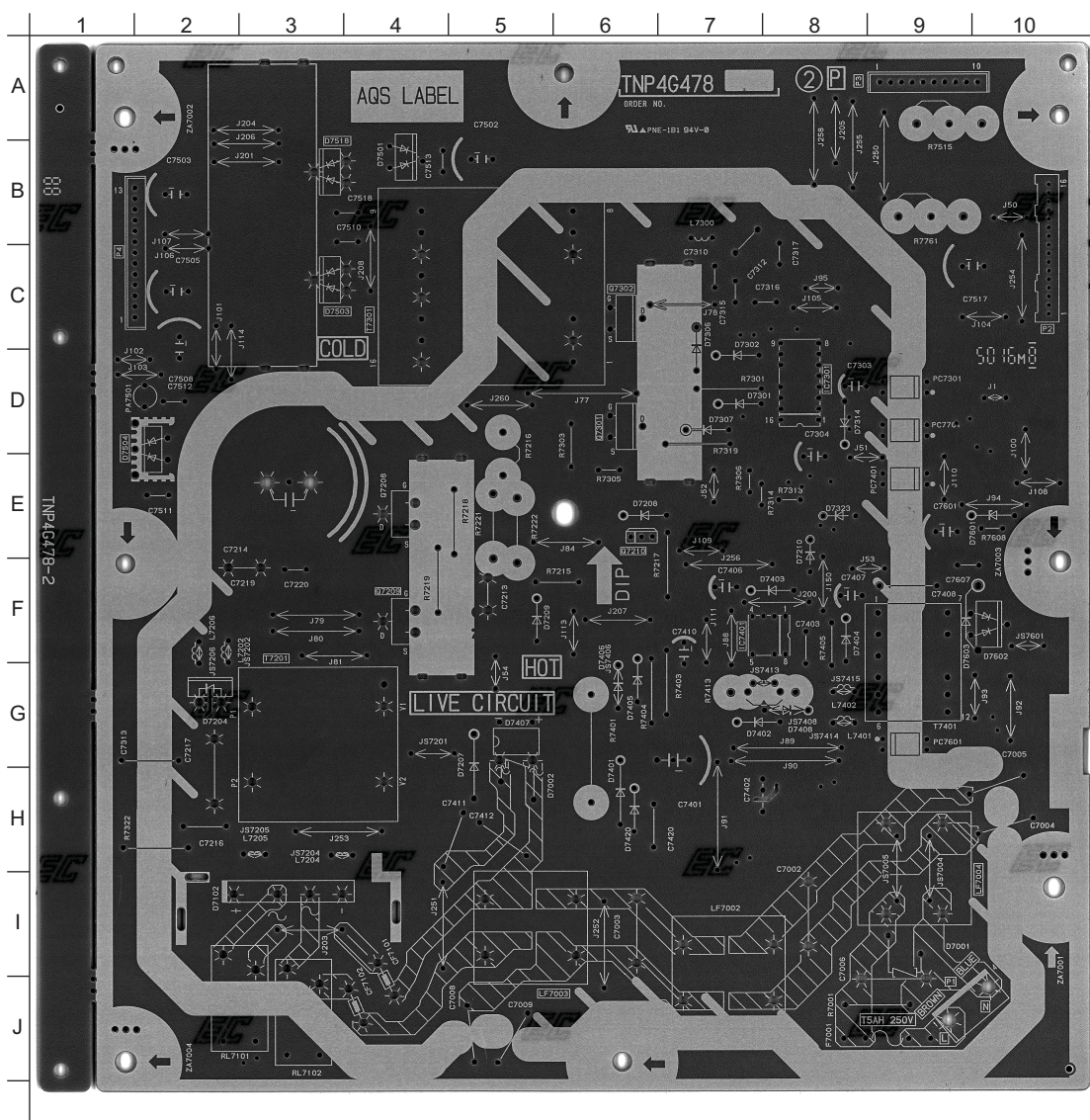


Parts Location

Ref. No	Location	Ref. No	Location	Ref. No	Location	Ref. No	Location
IC7201	F5	D7002	H6	D7310	E4	D7420	H5
IC7301	D3	D7102	I8	D7311	E3	D7501	B7
IC7401	F4	D7204	G9	D7312	E3	D7503	C8
IC7501	D1	D7208	E5	D7313	C4	D7504	E9
IC7601	E1	D7207	H7	D7314	D3	D7518	A8
		D7209	F6	D7315	C5	D7601	E1
		D7210	F3	D7323	E3	D7602	F1
		D7301	D4	D7401	H5	D7603	F2
		D7302	D4	D7402	G4	D7701	D1
		D7303	D3	D7403	F4	D7702	J8
		D7304	D4	D7404	F3	D7704	E3
		D7305	C4	D7405	G5	D7705	E3
		D7306	C4	D7406	G5	D7753	E3
		D7307	D4	D7407	D6	D7889	B1
		D7308	E4	D7408	G3		
		D7309	E4	D7409	E3		

12.8. P-Board

P-Board (B Side)
TNP4G478



Parts Location

Ref. No	Location	Ref. No	Location	Ref. No	Location	Ref. No	Location
IC7301	D8	D7001	I9	D7306	C7	D7407	G5
IC7401	F7	D7002	H5	D7307	D7	D7408	G8
		D7102	I2	D7314	D8	D7420	H6
		D7204	G2	D7323	E8	D7501	B4
		D7207	H5	D7401	H6	D7503	C3
		D7208	E6	D7402	G8	D7504	D1
		D7209	F6	D7403	F8	D7518	A3
		D7210	E8	D7404	F8	D7601	E10
		D7301	D7	D7405	G6	D7602	F10
		D7302	C7	D7406	G6	D7603	F9

13 Exploded View and Replacement Parts List

13.1. Exploded View and Mechanical Replacement Parts List

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

13.2. Electrical Replacement Parts List

13.2.1. Replacement Parts List Notes

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.
After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.
After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J 1/4W
 Type Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z 50V
 Type Allowance

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

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
Polyprop	G : ±3pF
lene	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

13.2.2. Electrical Replacement Parts List

Note: All part will be supplied by PAVCKM.

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
		CAPACITORS		
	C0900	F1G1C104A116	C 0.1UF, 16V	
	C1041	F1G1H102A730	C 1000PF , 50V	
	C1042	F1G1H102A730	C 1000PF , 50V	
	C1043	F1G1H102A730	C 1000PF , 50V	
	C1100	F1G1E103A123	C 0.01UF , 25V	
	C1101	F1H1H103A970	C 0.01UF , 50V	
	C1102	F1G1C104A116	C 0.1UF, 16V	
	C2055	F1J1A106A087	C 10UF, 10V	
	C2057	F1J1A106A087	C 10UF, 10V	
	C2071	EEH0B0J101UR	C 100UF , 6.3V	
	C2072	EEH0B0J101UR	C 100UF , 6.3V	
	C2104	F1G1H100A731	C 10PF , 50V	
	C2107	F1G1A105A047	C 1UF , 10V	
	C2108	F1G1A105A047	C 1UF , 10V	
	C2110	F1G1C104A116	C 0.1UF, 16V	
	C2311	F1K1E106A136	C 10UF , 25V	
	C2314	F1J1E105A231	C 1UF , 25V	
	C2315	F1K1E106A136	C 10UF , 25V	
	C2316	F1H1H104A970	C 0.1UF , 50V	
	C2317	F1J1E105A231	C 1UF , 25V	
	C2318	F1H1H104A970	C 0.1UF , 50V	
	C2320	F1J1E105A231	C 1UF , 25V	
	C2321	F1H1H104A970	C 0.1UF , 50V	
	C2323	F1H1H104A970	C 0.1UF , 50V	
	C2324	F1J1E105A231	C 1UF , 25V	
	C2334	F1J1H474A757	C 0.47UF , 50V	
	C2335	F1H1E104A129	C 0.1UF , 25V	
	C2336	F1H1E104A129	C 0.1UF , 25V	
	C2337	F1J1H474A757	C 0.47UF , 50V	
	C2338	F1H1E104A129	C 0.1UF , 25V	
	C2339	F1H1E104A129	C 0.1UF , 25V	
	C2340	F1H1H223A970	C 0.022UF, 50V	
	C2341	F1H1H223A970	C 0.022UF, 50V	
	C2342	F1H1H223A970	C 0.022UF, 50V	
	C2343	F1H1H223A970	C 0.022UF, 50V	
	C2344	F1H1H223A970	C 0.022UF, 50V	
	C2345	F1H1H223A970	C 0.022UF, 50V	
	C2346	F1H1H223A970	C 0.022UF, 50V	
	C2347	F1H1H223A970	C 0.022UF, 50V	
	C2349	F1G1H102A730	C 1000PF , 50V	
	C2351	F1G1H102A730	C 1000PF , 50V	
	C2353	F1G1H102A730	C 1000PF , 50V	
	C2355	F1G1H102A730	C 1000PF , 50V	
	C2501	F2G0J470A019	E 47UF , 6.3V	
	C2502	F1G1C103A116	C 0.01UF , 16V	
	C2505	F1H1C104A143	C 0.1UF,K, 16V	
	C2514	F1J1A106A087	C 10UF, 10V	
	C2750	F1G1C104A116	C 0.1UF, 16V	
	C2751	F1G1H102A730	C 1000PF , 50V	
	C2752	F1G1H102A730	C 1000PF , 50V	
	C2753	F1G1H102A730	C 1000PF , 50V	
	C2754	F1G1H102A730	C 1000PF , 50V	
	C2755	F1G1H102A730	C 1000PF , 50V	
	C2756	F1G1H102A730	C 1000PF , 50V	
	C2757	F1G1H102A730	C 1000PF , 50V	
	C2761	F1G1C104A116	C 0.1UF, 16V	
	C2762	F1G1H102A730	C 1000PF , 50V	
	C2775	F1G1H101A731	C 100PF , 50V	
	C2776	F1G1H102A730	C 1000PF , 50V	
	C2778	F1G1C104A116	C 0.1UF, 16V	
	C2779	F1K1C106A126	C 10UF , 16V	
	C2780	F1H1E104A129	C 0.1UF , 25V	
	C2789	F1G1C104A116	C 0.1UF, 16V	
	C2905	F2H1A101A040	C 100UF , 10V	
	C2907	F1G1C104A116	C 0.1UF, 16V	
	C2908	F1G1C104A077	C 0.1UF , 16V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C2909	F1G1C104A116	C 0.1UF, 16V	
	C2910	F1G1C104A116	C 0.1UF, 16V	
	C2911	F1G1C104A116	C 0.1UF, 16V	
	C2916	F1G1H102A730	C 1000PF , 50V	
	C2917	F1G1C104A116	C 0.1UF, 16V	
	C2919	F1G1E103A123	C 0.01UF , 25V	
	C2961	F1H1A105A025	C 1UF , 10V	
	C3003	F1G1C104A116	C 0.1UF, 16V	
	C3004	F1G1C104A116	C 0.1UF, 16V	
	C3011	F1J1A106A087	C 10UF, 10V	
	C3015	F1J1A106A087	C 10UF, 10V	
	C3016	F1G1C104A116	C 0.1UF, 16V	
	C3018	F1G1C104A116	C 0.1UF, 16V	
	C3019	F1G1C104A116	C 0.1UF, 16V	
	C3022	F1H1A105A025	C 1UF , 10V	
	C3023	F1H1A105A025	C 1UF , 10V	
	C3024	F1J1A106A087	C 10UF, 10V	
	C3025	F1J1A106A087	C 10UF, 10V	
	C3026	F1J1A106A087	C 10UF, 10V	
	C3105	F1G1H561A730	C 560PF , 50V	
	C3106	F1G1H561A730	C 560PF , 50V	
	C3108	F1G1H561A730	C 560PF , 50V	
	C3109	F1G1H561A730	C 560PF , 50V	
	C3111	F1H1A105A025	C 1UF , 10V	
	C3112	F1H1A105A025	C 1UF , 10V	
	C3113	F1J1A106A087	C 10UF, 10V	
	C3116	F1J1A106A087	C 10UF, 10V	
	C3117	F1J1A106A087	C 10UF, 10V	
	C3118	F1J1A106A087	C 10UF, 10V	
	C3119	F2H1A101A040	E 100UF , 10V	
	C3122	F2H1A101A040	E 100UF , 10V	
	C3123	F1J1A106A087	C 10UF, 10V	
	C3137	F1G1H561A730	C 560PF , 50V	
	C3138	F1G1H561A730	C 560PF , 50V	
	C3149	F1H1A105A025	C 1UF , 10V	
	C3150	F1H1A105A025	C 1UF , 10V	
	C3153	F1G1H561A730	C 560PF , 50V	
	C3154	F1G1H561A730	C 560PF , 50V	
	C3155	F1G1H561A730	C 560PF , 50V	
	C3156	F1G1H561A730	C 560PF , 50V	
	C3157	F1H1A105A025	C 1UF , 10V	
	C3158	F1H1A105A025	C 1UF , 10V	
	C3159	F1J1A106A087	C 10UF, 10V	
	C3160	F1J1A106A087	C 10UF, 10V	
	C3161	F1J1A106A087	C 10UF, 10V	
	C3162	F1J1A106A087	C 10UF, 10V	
	C3163	F1J1A106A087	C 10UF, 10V	
	C3164	F1J1A106A087	C 10UF, 10V	
	C3165	F1J1A106A087	C 10UF, 10V	
	C4546	F1H0J1050013	C 1UF , 6.3V	
	C4547	F1H0J1050013	C 1UF , 6.3V	
	C4660	F1H0J1050013	C 1UF , 6.3V	
	C4661	F1H0J1050013	C 1UF , 6.3V	
	C4662	F1H0J1050013	C 1UF , 6.3V	
	C4663	F1H0J1050013	C 1UF , 6.3V	
	C4664	F1H0J1050013	C 1UF , 6.3V	
	C4665	F1H0J1050013	C 1UF , 6.3V	
	C4666	F1H0J1050013	C 1UF , 6.3V	
	C4667	F1H0J1050013	C 1UF , 6.3V	
	C4701	F1G1C104A116	C 0.1UF, 16V	
	C4704	F1G1C104A116	C 0.1UF, 16V	
	C4707	F1G1C104A116	C 0.1UF, 16V	
	C4868	F1H1H103A970	C 0.01UF , 50V	
	C4869	F1H1H103A970	C 0.01UF , 50V	
	C4870	EEH0B1C470P	E 47UF , 16V	
	C5000	F1H1A105A025	C 1UF , 10V	
	C5001	F2H0J1010009	C 1UF , 10V	
	C5006	F1H1C105A145	C 1UF , 16V	
	C5008	F1J1A106A087	C 10UF, 10V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C5012	FLH1A105A025	C 1UF , 10V	
	C5016	FLJ1A106A087	C 10UF, 10V	
	C5017	FLJ1A106A087	C 10UF, 10V	
	C5020	FLG1C104A116	C 0.1UF, 16V	
	C5023	FLJ1A106A087	C 10UF, 10V	
	C5025	FLH1C105A145	C 1UF , 16V	
	C5026	FLH1C105A145	C 1UF , 16V	
	C5050	FLH1A105A025	C 1UF , 10V	
	C5201	FLJ1E105A231	C 1UF , 25V	
	C5203	FLJ1E105A231	C 1UF , 25V	
	C5220	FLJ1E105A231	C 1UF , 25V	
	C5221	FLJ1E105A231	C 1UF , 25V	
	C5241	FLJ1E105A231	C 1UF , 25V	
	C5300	FLK1E106A136	C 10UF , 25V	
	C5301	FLK1E106A136	C 10UF , 25V	
	C5302	FLH1C104A143	C 0.1UF,K, 16V	
	C5304	FLK0J226A008	C 22UF , 6.3V	
	C5305	FLK0J226A008	C 22UF , 6.3V	
	C5306	FLK0J226A008	C 22UF , 6.3V	
	C5307	FLG1E103A123	C 0.01UF , 25V	
	C5476	FLH1A105A025	C 1UF , 10V	
	C5477	FLH1A105A025	C 1UF , 10V	
	C5600	FLK1E106A136	C 10UF , 25V	
	C5601	FLK1E106A136	C 10UF , 25V	
	C5602	FLG1E682A123	C 6800PF , 25V	
	C5603	FLK1E106A136	C 10UF , 25V	
	C5604	FLK1E106A136	C 10UF , 25V	
	C5606	FLG1A154A053	C 0.15UF , 10V	
	C5607	FLJ1A475A087	C 4.7UF , 10V	
	C5608	FLH1C104A143	C 0.1UF,K, 16V	
	C5609	FLH1C104A143	C 0.1UF,K, 16V	
	C5611	FLJ1E105A231	C 1UF , 25V	
	C5612	FLH1C105A145	C 1UF , 16V	
	C5617	FLK0J226A008	C 22UF , 6.3V	
	C5618	FLK0J226A008	C 22UF , 6.3V	
	C5619	FLK0J226A008	C 22UF , 6.3V	
	C5620	FLK0J226A008	C 22UF , 6.3V	
	C5621	FLK0J226A008	C 22UF , 6.3V	
	C5622	FLK0J226A008	C 22UF , 6.3V	
	C5626	FLK1E106A136	C 10UF , 25V	
	C5627	FLG1A393A053	C 0.039UF , 50V	
	C5628	FLK1E106A136	C 10UF , 25V	
	C5632	FLJ1A475A087	C 4.7UF , 10V	
	C5634	FLH1C104A143	C 0.1UF,K, 16V	
	C5635	FLH1C105A145	C 1UF , 16V	
	C5641	FLK0J226A008	C 22UF , 6.3V	
	C5642	FLK0J226A008	C 22UF , 6.3V	
	C5643	FLK0J226A008	C 22UF , 6.3V	
	C5649	FLH1A105A025	C 1UF , 10V	
	C5650	FLH1A225A051	C 2.2UF, 10V	
	C5651	FLJ1A475A087	C 4.7UF , 10V	
	C5652	FLJ1A475A087	C 4.7UF , 10V	
⚠	C7002	FOCAF224A108	F 0.22UF , 240V	
⚠	C7003	FOCAF224A108	F 0.22UF , 240V	
⚠	C7006	FOCAF224A108	F 0.22UF , 240V	
⚠	C7008	FLA2E471A003	C 470PF , 250V	
⚠	C7009	FLA2E471A003	C 470PF , 250V	
	C7206	FLJ1H221A834	C 220PF, 50V	
	C7207	FLJ1H224A839	C 0.22UF , 50V	
	C7208	FLJ1C475A170	C 4.7UF , 16V	
	C7209	FLH1H104A970	C 0.1UF , 50V	
	C7210	FLH1H222A219	C 2200PF , 50V	
	C7211	FLH1H102A219	C 1000PF , 50V	
	C7213	FLB3D471A008	C 470PF, K, 2KV	
⚠	C7214	F2A2W1710001	C 170UF , 450V	
	C7217	FOCZ105A097	C 1UF , 250V	
	C7302	FLJ1A106A087	C 10UF , 10V	
	C7303	F2A1H220A115	E 22UF , 50V	
	C7304	F2A1H1010047	E 100UF , 50V	
	C7305	FLJ1H103A834	C 0.01UF , 50V	
	C7306	FLJ1C475A170	C 4.7UF , 16V	
	C7307	FLJ1H104A717	C 0.1UF , 50V	
	C7308	FLJ1H474A757	C 0.47UF , 50V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C7309	FLJ1C1050028	C 1UF , 16V	
	C7310	FLA3A471A060	C 470PF , 1KV	
	C7311	FLJ1H681A834	C 680PF , 50V	
	C7312	FOC2K333A035	P 0.039UF , 800V	
	C7313	FLA2E471A003	C 470PF , 250V	
	C7314	FLA3A471A060	C 470PF , 1KV	
	C7315	FLA3A100A058	C 10PF , 1KV	
	C7316	FLA3A100A058	C 10PF , 1KV	
	C7317	FLA3A101A060	C 100PF , 1KV	
	C7318	FLJ1H101A836	C 100PF , 50V	
	C7401	F2A2W2200020	E 22UF , 450V	
	C7402	ECQE2103KFW	P 0.01UF , 250V	
	C7404	FLJ1H474A757	C 0.47UF , 50V	
	C7405	FLJ1H103A834	C 0.01UF , 50V	
	C7406	F2A1H220A115	E 22UF , 50V	
	C7407	F2A1E101A089	E 100UF , 50V	
	C7409	FLJ1H471A834	C 470PF , 50V	
	C7411	FLA2E102A004	C 1000PF , 250V	
	C7412	FLA2E102A004	C 1000PF , 250V	
	C7420	ECQE6103KF	P 0.01UF , 630V	
	C7421	FLJ1H103A834	C 0.01UF , 50V	
	C7501	FLJ1E224A227	C 0.22UF , 25V	
	C7502	F2A1E102A100	E 1000UF, 25V	
	C7503	F2A1V102A465	C 1000UF , 35V	
	C7505	F2A1V102A465	C 1000UF , 35V	
	C7506	FLJ1H104A717	C 0.1UF , 50V	
	C7507	FLJ1H104A717	C 0.1UF , 50V	
	C7508	F2A1C222A117	E 2200UF , 16V	
	C7510	FLA3A102A060	C 1000PF , 1KV	
	C7511	FLA3A102A060	C 1000PF , 1KV	
	C7512	FLA3A102A060	C 1000PF , 1KV	
	C7513	FLA3A102A060	C 1000PF , 1KV	
	C7514	FLJ1H102A834	C 1000PF , 50V	
	C7515	FLJ1H102A834	C 1000PF , 50V	
	C7516	FLJ1H102A834	C 1000PF , 50V	
	C7517	F2A1E102A100	E 1000UF, 25V	
	C7518	FLA3A102A060	C 1000PF , 1KV	
	C7601	F2A1A102A118	E 1000UF , 10V	
	C7602	FLJ1H474A757	C 0.47UF , 50V	
	C7605	FLJ1H104A717	C 0.1UF , 50V	
	C7606	FLJ1H104A717	C 0.1UF , 50V	
	C7607	FLA3A102A060	C 1000PF , 1KV	
	C7701	FLJ1E105A231	C 1UF , 25V	
	C7702	FLJ1H104A717	C 0.1UF , 50V	
	C7703	FLJ1E3340003	C 0.33UF , 25V	
	C7754	FLJ1H102A834	C 1000PF , 50V	
	C8000	FLG1C104A116	C 0.1UF, 16V	
	C8001	FLG1C104A116	C 0.1UF, 16V	
	C8002	FLG1C104A116	C 0.1UF, 16V	
	C8003	FLG1C104A116	C 0.1UF, 16V	
	C8004	FLG1C104A116	C 0.1UF, 16V	
	C8005	FLG1C104A116	C 0.1UF, 16V	
	C8006	FLG1C104A116	C 0.1UF, 16V	
	C8007	FLG1C104A116	C 0.1UF, 16V	
	C8008	FLG1C104A116	C 0.1UF, 16V	
	C8009	FLG1C104A116	C 0.1UF, 16V	
	C8010	FLG1C104A116	C 0.1UF, 16V	
	C8011	FLG1C104A116	C 0.1UF, 16V	
	C8012	FLG1C104A116	C 0.1UF, 16V	
	C8013	FLG1C104A116	C 0.1UF, 16V	
	C8014	FLG1C104A116	C 0.1UF, 16V	
	C8015	FLH0J1050013	C 1UF , 6.3V	
	C8016	FLH0J1050013	C 1UF , 6.3V	
	C8017	FLG1C104A116	C 0.1UF, 16V	
	C8019	FLG1C104A116	C 0.1UF, 16V	
	C8020	FLG1C104A116	C 0.1UF, 16V	
	C8021	FLG1C104A116	C 0.1UF, 16V	
	C8022	FLJ1A106A087	C 10UF, 10V	
	C8023	FLJ1A106A087	C 10UF, 10V	
	C8024	FLJ1A106A087	C 10UF, 10V	
	C8026	FLG1C104A116	C 0.1UF, 16V	
	C8027	FLG1C104A116	C 0.1UF, 16V	
	C8028	FLG1C104A116	C 0.1UF, 16V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C8029	F1G1C104A116	C 0.1UF, 16V	
	C8030	F1G1C104A116	C 0.1UF, 16V	
	C8031	F1G1C104A116	C 0.1UF, 16V	
	C8032	F1G1C104A116	C 0.1UF, 16V	
	C8033	F1G1C104A116	C 0.1UF, 16V	
	C8034	F1H0J1050013	C 1UF , 6.3V	
	C8035	F1J1A106A087	C 10UF, 10V	
	C8036	F1J1A106A087	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	F1H0J1050013	C 1UF , 6.3V	
	C8043	F1H0J1050013	C 1UF , 6.3V	
	C8044	F1J1A106A087	C 10UF, 10V	
	C8045	F1G1C104A116	C 0.1UF, 16V	
	C8046	F1G1C104A116	C 0.1UF, 16V	
	C8047	F1G1C104A116	C 0.1UF, 16V	
	C8048	F1H0J1050013	C 1UF , 6.3V	
	C8049	F1G1C104A116	C 0.1UF, 16V	
	C8050	F1G1C104A116	C 0.1UF, 16V	
	C8051	F1G1C104A116	C 0.1UF, 16V	
	C8052	F1G1C104A116	C 0.1UF, 16V	
	C8053	F1G1C104A116	C 0.1UF, 16V	
	C8054	F1G1C104A116	C 0.1UF, 16V	
	C8055	F1G1C104A116	C 0.1UF, 16V	
	C8056	F1G1C104A116	C 0.1UF, 16V	
	C8057	F1G1C104A116	C 0.1UF, 16V	
	C8058	F1G1C104A116	C 0.1UF, 16V	
	C8062	F1G1C104A116	C 0.1UF, 16V	
	C8063	F1G1C104A116	C 0.1UF, 16V	
	C8064	F1J0G2260001	C 22UF , 4V	
	C8067	F1G1C104A116	C 0.1UF, 16V	
	C8068	F1G1C104A116	C 0.1UF, 16V	
	C8069	F1G1C104A116	C 0.1UF, 16V	
	C8070	F1G1C104A116	C 0.1UF, 16V	
	C8071	F1G1C104A116	C 0.1UF, 16V	
	C8072	F1G1C104A116	C 0.1UF, 16V	
	C8073	F1H0J1050013	C 1UF , 6.3V	
	C8074	F1H0J1050013	C 1UF , 6.3V	
	C8075	F1H0J1050013	C 1UF , 6.3V	
	C8076	F1G1C104A116	C 0.1UF, 16V	
	C8077	F1GLE103A123	C 0.01UF , 25V	
	C8078	F1G1C104A116	C 0.1UF, 16V	
	C8079	F1G1H120A731	C 12PF , 50V	
	C8080	F1G1H8R0A732	C 8PF , 50V	
	C8081	F1G1H100A731	C 10PF , 50V	
	C8082	F1G1H8R0A732	C 8PF , 50V	
	C8083	F1G1C104A116	C 0.1UF, 16V	
	C8084	F1H0J1050013	C 1UF , 6.3V	
	C8085	F1J1A106A087	C 10UF, 10V	
	C8086	F1H0J1050013	C 1UF , 6.3V	
	C8087	F1G1C104A116	C 0.1UF, 16V	
	C8088	F1G1C104A116	C 0.1UF, 16V	
	C8089	F1G1C104A116	C 0.1UF, 16V	
	C8090	F1G1C104A116	C 0.1UF, 16V	
	C8091	F1G1C104A116	C 0.1UF, 16V	
	C8092	F1H0J1050013	C 1UF , 6.3V	
	C8093	F1H0J1050013	C 1UF , 6.3V	
	C8094	F1H0J1050013	C 1UF , 6.3V	
	C8095	F1G1C104A116	C 0.1UF, 16V	
	C8096	F1G1C104A116	C 0.1UF, 16V	
	C8097	F1G1C104A116	C 0.1UF, 16V	
	C8098	F1G1C104A116	C 0.1UF, 16V	
	C8099	F1H0J1050013	C 1UF , 6.3V	
	C8100	F1J1A106A087	C 10UF, 10V	
	C8101	F1J1A106A087	C 10UF, 10V	
	C8102	F1H0J1050013	C 1UF , 6.3V	
	C8103	F1H0J1050013	C 1UF , 6.3V	
	C8104	F1H0J1050013	C 1UF , 6.3V	
	C8105	F1G1C104A116	C 0.1UF, 16V	
	C8106	F1G1C104A116	C 0.1UF, 16V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C8107	F1G1C104A116	C 0.1UF, 16V	
	C8108	F1G1C104A116	C 0.1UF, 16V	
	C8109	F1G1C104A116	C 0.1UF, 16V	
	C8110	F1G1C104A116	C 0.1UF, 16V	
	C8111	F1G1C104A116	C 0.1UF, 16V	
	C8112	F1G1C104A116	C 0.1UF, 16V	
	C8113	F1G1C104A116	C 0.1UF, 16V	
	C8114	F1G1C104A116	C 0.1UF, 16V	
	C8115	F1G1C104A116	C 0.1UF, 16V	
	C8116	F1G1C104A116	C 0.1UF, 16V	
	C8117	F1G1C104A116	C 0.1UF, 16V	
	C8118	F1J1A106A087	C 10UF, 10V	
	C8119	F1G1C104A116	C 0.1UF, 16V	
	C8120	F1G1C104A116	C 0.1UF, 16V	
	C8121	F1G1C104A116	C 0.1UF, 16V	
	C8122	F1G1C104A116	C 0.1UF, 16V	
	C8123	F1G1C104A116	C 0.1UF, 16V	
	C8124	F1J1A106A087	C 10UF, 10V	
	C8125	F1J1A106A087	C 10UF, 10V	
	C8126	F1J1A106A087	C 10UF, 10V	
	C8127	F1H0J1050013	C 1UF , 6.3V	
	C8409	F1G1C104A116	C 0.1UF, 16V	
	C8600	F1G1H102A730	C 1000PF , 50V	
	C8853	F1G1C104A116	C 0.1UF, 16V	
	C8854	F1G1C104A116	C 0.1UF, 16V	
	C8860	F2H1C470A041	E 47UF , 16V	
	C8861	F1G1C104A116	C 0.1UF, 16V	
	C8862	F1G1C103A116	C 0.01UF , 16V	
	C8863	F1J0G226A001	C 22UF , 4V	
	C8864	F1J1A106A087	C 10UF, 10V	
	C8865	F1G1C104A116	C 0.1UF, 16V	
	C8867	EEH80J221UP	C 220UF, 10V	
	C8868	F1J1A106A087	C 10UF, 10V	
	C8869	F1J1A106A087	C 10UF, 10V	
	C8870	F1G1C104A116	C 0.1UF, 16V	
	C8922	F1G1C104A116	C 0.1UF, 16V	
	C8923	F1G1C104A116	C 0.1UF, 16V	
	C8950	F1G1C103A116	C 0.1UF, 16V	
	C9001	F1H1H103A970	C 0.01UF , 50V	
	C9002	F1K1E4750002	C 4.7UF , 25V	
	C9003	F1K1E4750002	C 4.7UF , 25V	
	C9028	F1G1H150A731	C 15PF , 50V	
	C9029	F1G1H180A731	C 15PF , 50V	
	C9033	F1H0J1050013	C 1UF , 6.3V	
	C9036	F1J1A106A087	C 10UF, 10V	
	C9037	F1G1C104A116	C 0.1UF, 16V	
	C9038	F1G1C104A116	C 0.1UF, 16V	
	C9039	F1G1C104A116	C 0.1UF, 16V	
	C9040	F1G1C104A116	C 0.1UF, 16V	
	C9041	F1G1C104A116	C 0.1UF, 16V	
	C9042	F1J1A106A087	C 10UF, 10V	
	C9043	F1J1A106A087	C 10UF, 10V	
	C9044	F1H0J1050013	C 1UF , 6.3V	
	C9045	F1H0J1050013	C 1UF , 6.3V	
	C9046	F1G1C104A116	C 0.1UF, 16V	
	C9047	F1G1C104A116	C 0.1UF, 16V	
	C9048	F1G1C104A116	C 0.1UF, 16V	
	C9049	F1G1C104A116	C 0.1UF, 16V	
	C9050	F1G1C104A116	C 0.1UF, 16V	
	C9051	F1G1C104A116	C 0.1UF, 16V	
	C9052	F1J1A106A087	C 10UF, 10V	
	C9053	F1G1C104A116	C 0.1UF, 16V	
	C9054	F1G1C104A116	C 0.1UF, 16V	
	C9055	F1G1C104A116	C 0.1UF, 16V	
	C9056	F1G1C104A116	C 0.1UF, 16V	
	C9057	F1G1C104A116	C 0.1UF, 16V	
	C9058	F1G1C104A116	C 0.1UF, 16V	
	C9059	F1J1A106A087	C 10UF, 10V	
	C9060	F1H0J1050013	C 1UF , 6.3V	
	C9061	F1H0J1050013	C 1UF , 6.3V	
	C9062	F1G1C104A116	C 0.1UF, 16V	
	C9063	F1G1C104A116	C 0.1UF, 16V	
	C9064	F1G1C104A116	C 0.1UF, 16V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C9065	F1G1C104A116	C 0.1UF, 16V	
	C9066	F1G1C104A116	C 0.1UF, 16V	
	C9067	F1G1C104A116	C 0.1UF, 16V	
	C9068	F1J0J106A004	C 10UF , 6.3V	
	C9069	F1G1C104A116	C 0.1UF, 16V	
	C9070	F1G1C104A116	C 0.1UF, 16V	
	C9071	F1G1C104A116	C 0.1UF, 16V	
	C9072	F1G1C104A116	C 0.1UF, 16V	
	C9073	F1H0J1050013	C 1UF , 6.3V	
	C9074	F1G1C104A116	C 0.1UF, 16V	
	C9075	F1G1C104A116	C 0.1UF, 16V	
	C9076	F1G1C104A116	C 0.1UF, 16V	
	C9077	F1G1C104A116	C 0.1UF, 16V	
	C9078	F1J0J106A004	C 10UF , 6.3V	
	C9079	F1G1C104A116	C 0.1UF, 16V	
	C9080	F1G1C104A116	C 0.1UF, 16V	
	C9081	F1G1C104A116	C 0.1UF, 16V	
	C9082	F1G1C104A116	C 0.1UF, 16V	
	C9083	F1H0J1050013	C 1UF , 6.3V	
	C9084	F1G1C104A116	C 0.1UF, 16V	
	C9085	F1G1C104A116	C 0.1UF, 16V	
	C9086	F1G1C104A116	C 0.1UF, 16V	
	C9087	F1G1C104A116	C 0.1UF, 16V	
	C9088	F1G1C104A116	C 0.1UF, 16V	
	C9089	F1G1C104A116	C 0.1UF, 16V	
	C9090	F1G1C104A116	C 0.1UF, 16V	
	C9091	F1G1C104A116	C 0.1UF, 16V	
	C9092	F1G1C104A116	C 0.1UF, 16V	
	C9093	F1G1C104A116	C 0.1UF, 16V	
	C9094	F1G1C104A116	C 0.1UF, 16V	
	C9095	F1G1C104A116	C 0.1UF, 16V	
	C9097	F1G1C104A116	C 0.1UF, 16V	
	C9098	F1G1C104A116	C 0.1UF, 16V	
	C9099	F1G1C103A116	C 0.1UF, 16V	
	C9100	F1G1H102A730	C 1000PF , 50V	
	C9101	F1J1A475A087	C 4.7UF, 10V	
	C9102	F1H1C105A145	C 1UF , 16V	
	C9103	F1G1H102A730	C 1000PF , 50V	
	C9104	F1H1C104A143	C 0.1UF,K, 16V	
	C9105	F1H1C104A143	C 0.1UF,K, 16V	
	C9106	F1K1E106A136	C 10UF , 25V	
	C9107	F1K1E106A136	C 10UF , 25V	
	C9108	F1K1E106A136	C 10UF , 25V	
	C9109	F1K1E106A136	C 10UF , 25V	
	C9112	F1K0J226A008	C 22UF , 6.3V	
	C9113	F1K0J226A008	C 22UF , 6.3V	
	C9114	F1K0J226A008	C 22UF , 6.3V	
	C9115	F1K0J226A008	C 22UF , 6.3V	
	C9116	F1K0J226A008	C 22UF , 6.3V	
	C9117	F1K0J226A008	C 22UF , 6.3V	
	C9119	F1J1E105A231	C 1UF , 25V	
	C9125	F1G1C103A116	C 0.01UF , 16V	
	C9126	F1G1C104A116	C 0.1UF, 16V	
	C9127	F1G1C104A116	C 0.1UF, 16V	
	C9128	F1G1C104A116	C 0.1UF, 16V	
	C9129	F1G1C104A116	C 0.1UF, 16V	
	C9130	F1G1C104A116	C 0.1UF, 16V	
	C9131	F1G1C104A116	C 0.1UF, 16V	
	C9132	F1G1C104A116	C 0.1UF, 16V	
	C9133	F1G1C104A116	C 0.1UF, 16V	
	C9134	F1G1C104A116	C 0.1UF, 16V	
	C9135	F1G1C104A116	C 0.1UF, 16V	
	C9136	F1G1C104A116	C 0.1UF, 16V	
	C9137	F1G1C104A116	C 0.1UF, 16V	
	C9138	F1G1C104A116	C 0.1UF, 16V	
	C9139	F1G1C104A116	C 0.1UF, 16V	
	C9140	F1G1C104A116	C 0.1UF, 16V	
	C9141	F1G1C104A116	C 0.1UF, 16V	
	C9142	F1G1C104A116	C 0.1UF, 16V	
	C9143	F1G1C104A116	C 0.1UF, 16V	
	C9144	F1G1C104A116	C 0.1UF, 16V	
	C9145	F1G1C104A116	C 0.1UF, 16V	
	C9146	F1G1C104A116	C 0.1UF, 16V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C9147	F1G1C104A116	C 0.1UF, 16V	
	C9152	F1G1C104A116	C 0.1UF, 16V	
	C9153	F1G1C104A116	C 0.1UF, 16V	
	C9154	F1G1C104A116	C 0.1UF, 16V	
	C9201	F1G1C104A116	C 0.1UF, 16V	
	C9202	F1G1C104A116	C 0.1UF, 16V	
	C9203	F1G1C104A116	C 0.1UF, 16V	
	C9204	F1G1C104A116	C 0.1UF, 16V	
	C9205	F1G1C104A116	C 0.1UF, 16V	
	C9206	F1G1C104A116	C 0.1UF, 16V	
	C9207	F1G1C104A116	C 0.1UF, 16V	
	C9208	F1G1C104A116	C 0.1UF, 16V	
	C9209	F1G1C104A116	C 0.1UF, 16V	
	C9210	F1G1C104A116	C 0.1UF, 16V	
	C9211	F1G1C104A116	C 0.1UF, 16V	
	C9212	F1G1C104A116	C 0.1UF, 16V	
	C9213	F1G1C104A116	C 0.1UF, 16V	
	C9214	F1G1C104A116	C 0.1UF, 16V	
	C9215	F1G1C104A116	C 0.1UF, 16V	
	C9216	F1G1C104A116	C 0.1UF, 16V	
	C9217	F1G1C104A116	C 0.1UF, 16V	
	C9218	F1G1C104A116	C 0.1UF, 16V	
	C9219	F1G1C104A116	C 0.1UF, 16V	
	C9220	F1G1C104A116	C 0.1UF, 16V	
	C9221	F1G1C104A116	C 0.1UF, 16V	
	C9222	F1G1C104A116	C 0.1UF, 16V	
	C9223	F1G1C104A116	C 0.1UF, 16V	
	C9224	F1G1C104A116	C 0.1UF, 16V	
	C9225	F1G1C104A116	C 0.1UF, 16V	
	C9226	F1G1C104A116	C 0.1UF, 16V	
	C9227	F1G1C104A116	C 0.1UF, 16V	
	C9228	F1G1C104A116	C 0.1UF, 16V	
	C9229	F1G1C104A116	C 0.1UF, 16V	
	C9230	F1G1C104A116	C 0.1UF, 16V	
	C9231	F1G1C104A116	C 0.1UF, 16V	
	C9232	F1G1C104A116	C 0.1UF, 16V	
	C9233	F1G1C104A116	C 0.1UF, 16V	
	C9234	F1G1H150A731	C 0.1UF, 16V	
	C9235	F1G1H150A731	C 0.1UF, 16V	
	C9236	F1G1C104A116	C 0.1UF, 16V	
	C9237	F1J1A106A087	C 10UF, 10V	
	C9238	F1J1A106A087	C 10UF, 10V	
	C9239	F1G1C104A116	C 0.1UF, 16V	
	C9240	F1G1C104A116	C 0.1UF, 16V	
	C9241	F1K1E106A136	C 10UF , 25V	
	C9242	F1L1H105A059	C 1UF , 50V	
	C9243	F1K1E106A136	C 10UF , 25V	
	C9247	F1H1C105A145	C 1UF , 16V	
	C9248	F1J1E105A231	C 1UF , 25V	
	C9249	F1L1H105A059	C 1UF , 50V	
	C9250	F1G1H220A731	C 22UF , 50V	
	C9251	F1K1E106A136	C 10UF , 25V	
	C9252	F1K1E106A136	C 10UF , 25V	
	C9254	F1K1E106A136	C 10UF , 25V	
	C9255	F1J1A106A087	C 10UF, 10V	
	C9256	F1H1H104A970	C 0.1UF , 50V	
	C9257	F1J1A106A087	C 10UF, 10V	
	C9258	F1J1A106A087	C 10UF, 10V	
	C9259	F1J1A106A087	C 10UF, 10V	
	C9260	F1H1E104A129	C 0.1UF , 25V	
	C9261	F1J1C474A104	C 0.47UF , 16V	
	C9262	F1H1H104A970	C 0.1UF , 50V	
	C9263	F1K1E106A136	C 10UF , 25V	
	C9264	F1K1E106A136	C 10UF , 25V	
	C9265	F1K1E106A136	C 10UF , 25V	
	C9266	F1K1E106A136	C 10UF , 25V	
	C9267	F1K1E106A136	C 10UF , 25V	
	C9268	F1H1E104A129	C 0.1UF , 25V	
	C9269	F1H1H223A970	C 0.022UF , 50V	
	C9270	F1H1E104A129	C 0.1UF , 25V	
	C9271	F1G1H102A730	C 1000PF , 50V	
	C9272	F1K1E106A136	C 10UF , 25V	
	C9273	F1G1H102A730	C 1000PF , 50V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C9274	F1H1H104A970	C 0.1UF , 50V	
	C9275	F1K1E106A136	C 10UF , 25V	
	C9276	F1H1H104A970	C 0.1UF , 50V	
	C9277	F1H1H104A970	C 0.1UF , 50V	
	C9278	F1H1H223A970	C 0.022UF , 50V	
	C9279	F1G1H221A731	C 220PF , 50V	
	C9280	F1G1H152A730	C 1500PF , 50V	
	C9283	F1H1H104A970	C 0.1UF , 50V	
	C9284	F1J1E105A231	C 1UF , 25V	
	C9285	F1K1E106A136	C 10UF , 25V	
	C9286	F1K1E106A136	C 10UF , 25V	
	C9287	F1H1H104A970	C 0.1UF , 50V	
	C9288	F1K1E106A136	C 10UF , 25V	
	C9289	F1H1H104A970	C 10UF , 25V	
	C9290	F1K1E106A136	C 10UF , 25V	
	C9291	F1G1H121A731	C 120PF , 50V	
	C9292	F1K1H475A210	C 4.7UF , 50V	
	C9293	F1K1H475A210	C 4.7UF , 50V	
	C9297	F1G1C104A116	C 0.1UF, 16V	
	C9298	F1K1E106A136	C 10UF , 25V	
	C9299	F1J1A106A043	C 10UF , 10V	
	C9300	F1H1H104A970	C 0.1UF , 50V	
	C9301	F1H1H103A970	C 0.01UF , 50V	
	C9302	F1H1E104A129	C 0.1UF , 50V	
	C9303	F1J1A106A043	C 10UF , 10V	
	C9304	F1K1E106A136	C 10UF , 25V	
	C9305	F1H1H104A970	C 0.1UF , 50V	
	C9306	F1H1H103A970	C 0.01UF , 50V	
	C9307	F1H1E104A129	C 0.1UF , 50V	
	C9308	F1G1C104A116	C 0.1UF, 16V	
	C9309	F1G1C104A116	C 0.1UF, 16V	
	C9310	F1G1C104A116	C 0.1UF, 16V	
	C9311	F1G1C104A116	C 0.1UF, 16V	
	C9312	F1G1C104A116	C 0.1UF, 16V	
	C9313	F1G1C104A116	C 0.1UF, 16V	
	C9314	F1G1C104A116	C 0.1UF, 16V	
	C9315	F1H1H104A970	C 0.1UF , 50V	
	C9316	F1H1H104A970	C 0.1UF , 50V	
	C9317	F1H1H104A970	C 0.1UF , 50V	
	C9318	F1K1E106A136	C 10UF , 25V	
	C9319	F1K1E106A136	C 10UF , 25V	
	C9325	F1H1H104A970	C 0.1UF , 50V	
	C9329	F1J1E105A231	C 1UF , 25V	
	C9331	F1H1E104A129	C 0.1UF , 25V	
	C9333	F1H1H104A970	C 0.1UF , 50V	
	C9334	F1H1H104A970	C 0.1UF , 50V	
	C9335	F1K1E106A136	C 10UF , 25V	
	C9336	F1H1H104A970	C 0.1UF , 50V	
	C9980	F1G1C104A116	C 0.1UF, 16V	
		DIODES		
	D1100	B0JDCE000015	DIODE	
	D1101	B0JDCE000015	DIODE	
	D2500	B3AGB0000057	DIODE	
	D2758	EZJZ0V120JA	VARISTOR	
	D2766	DZ2J140M0L	DIODE	
	D2774	EZJZ0V120JA	VARISTOR	
	D2775	EZJZ0V120JA	VARISTOR	
	D2776	DZ2J062M0L	DIODE	
	D2777	DZ2J062M0L	DIODE	
	D2778	DZ2J062M0L	DIODE	
	D2779	DZ2J062M0L	DIODE	
	D4702	B0ACCCJ000051	DIODE	
	D4703	DZ2J056M0L	DIODE	
	D4704	B0JDCE000015	DIODE	
	D4719	B0ACCCJ000051	DIODE	
	D4720	DZ2J056M0L	DIODE	
	D4721	B0JDCE000015	DIODE	
	D4735	B0ACCCJ000051	DIODE	
	D4736	DZ2J056M0L	DIODE	
	D4737	B0JDCE000015	DIODE	
	D5000	B0ACCCJ000051	DIODE	
	D5002	DZ2J033M0L	DIODE	
	D5050	B0ACCCJ000051	DIODE	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	D5200	B0ACCCJ000051	DIODE	
	D5400	B0ACCCJ000051	DIODE	
	D5401	B0ACCCJ000051	DIODE	
	D5420	B0BC01700015	DIODE	
	D5421	B0ACCCJ000051	DIODE	
	D5422	B0BC010A0007	DIODE	
	D5423	B0ACCCJ000051	DIODE	
	D5424	B0BC02400011	DIODE	
	D5425	B0ACCCJ000051	DIODE	
	D5480	B0JDCE000015	DIODE	
	D5605	B0HCMM000014	DIODE	
⚠	D7001	ERZV10V621CS	VARISTOR	
⚠	D7002	ERZV10V621CS	VARISTOR	
	D7102	B0FBAT000017	DIODE	
	D7204	B0FABR000004	DIODE	
	D7207	B0EAKT000012	DIODE	
	D7208	B0JAME000091	DIODE	
	D7209	B0JAME000058	DIODE	
	D7210	B0AACK000004	DIODE	
	D7301	B0JAME000099	DIODE	
	D7302	B0HAGV000004	DIODE	
	D7305	B0BC03900015	DIODE	
	D7306	B0JAME000099	DIODE	
	D7307	B0JAME000099	DIODE	
	D7308	B0BC03900015	DIODE	
	D7309	B0BC03900015	DIODE	
	D7310	B0BC03900015	DIODE	
	D7311	B0BC03900015	DIODE	
	D7312	B0ECKM000048	DIODE	
	D7313	B0BC01100001	DIODE	
	D7314	B0JAME000091	DIODE	
	D7315	B0BC01400017	DIODE	
	D7323	B0AACK000004	DIODE	
	D7401	B0EAKR000016	DIODE	
	D7402	B0EAKT000019	DIODE	
	D7403	B0HAGQ000001	DIODE	
	D7404	B0HAGQ000001	DIODE	
	D7405	B0JAME000091	DIODE	
	D7407	B0EBKT000007	DIODE	
	D7408	B0EAKT000019	DIODE	
	D7409	B0BC01400017	DIODE	
	D7420	B0HAGQ000001	DIODE	
	D7501	B0JBSL000023	DIODE	
	D7503	B0JBSL000026	DIODE	
	D7504	B0JBSL000026	DIODE	
	D7518	B0JBSL000026	DIODE	
	D7601	B0BA01000070	DIODE	
	D7603	B0JAPK000011	DIODE	
	D7702	B0ACCCJ000051	DIODE	
	D7704	B0ACCCJ000051	DIODE	
	D7705	B0BC8R100004	DIODE	
	D7753	B0BC01400017	DIODE	
	D8800	EZAEG2A50AX	FILTER	
	D8801	EZAEG2A50AX	FILTER	
	D9202	B0ACCK000005	DIODE	
	D9203	B0ECKM000051	DIODE	
	D9204	B0JCPE000004	DIODE	
	D9205	B0JCPE000004	DIODE	
	D9206	B0ECKM000051	DIODE	
	D9211	B0HCMM000014	DIODE	
	D9212	B0ECKM000051	DIODE	
	D9213	B0ECKM000051	DIODE	
		INTEGRATED CIRCUITS		
	IC1101	C3EBGC000056	IC	
	IC2301	CLAB00003230	IC	
	IC2952	C0DBGYY00281	IC	
	IC3000	CLAB00003218	IC	
	IC5000	AN34042A-VF	IC	
	IC5200	C0DBEYY00123	IC	
	IC5220	C0DBGYY00895	IC	
	IC5416	C0DBGYY00281	IC	
	IC5600	C0DBAYY00715	IC	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	IC5601	C0DBAYY00715	IC	
	IC5603	C0DBFY00049	IC	
	IC5604	C0DBGYY00578	IC	
	IC7201	C0DBBZG00004	IC	
	IC7301	C0DABYY00025	IC	
	IC7401	C0DABYY00018	IC	
	IC7501	C0DBZMC00006	IC	
	IC7601	C0DBZMC00006	IC	
	IC8001	MN2WS0130FH	IC	
	IC8851	C0DBZYY00350	IC	
	IC8921	TVR4G216	ROM IC (C3FBTY000011)	
	IC8950	C3EBGC000056	IC	
	IC9003	C3FBKY000040	IC	
	IC9004	C0DBAYY00715	IC	
	IC9005	C0EBM0000026	IC	
	IC9006	MN85061	IC	
	IC9201	CLAB00003252	IC	
	IC9202	C3EBHY000012	ROM IC	
	IC9203	C0CBCAG00031	IC	
	IC9204	CLAB00003246	IC	
	IC9205	C0DBAYY00730	IC	
	IC9206	C0FBBY000076	IC	
	IC9207	C0DBAYY00731	IC	
	IC9208	C0ABEB000037	IC	
		COILS		
	L2303	GLC220MA0457	COIL	
	L2304	GLC220MA0457	COIL	
	L2305	GLC220MA0457	COIL	
	L2306	GLC220MA0457	COIL	
	L2750	J0JYC0000328	COIL	
	L2751	J0JYC0000328	COIL	
	L2752	J0JYC0000328	COIL	
	L2753	J0JYC0000328	COIL	
	L2754	J0JYC0000328	COIL	
	L2755	J0JYC0000328	COIL	
	L2756	J0JHC0000078	BEAD CORE	
	L2904	J0JCC0000278	COIL	
	L2909	J0JCC0000278	COIL	
	L2910	J0JCC0000278	COIL	
	L3100	J0JCC0000287	COIL	
	L3101	J0JCC0000287	COIL	
	L3102	J0JCC0000287	COIL	
	L3103	J0JCC0000287	COIL	
	L3104	J0JCC0000287	COIL	
	L3107	J0JCC0000287	COIL	
	L3114	J0JCC0000287	COIL	
	L3115	J0JCC0000287	COIL	
	L3117	J0JCC0000287	COIL	
	L3118	J0JCC0000287	COIL	
	L3119	J0JCC0000287	COIL	
	L3120	J0JCC0000287	COIL	
	L3121	J0JCC0000287	COIL	
	L4700	J0JYC0000369	CHIP RESISTOR	
	L4701	J0JYC0000369	CHIP RESISTOR	
	L4702	J0JYC0000369	CHIP RESISTOR	
	L4703	J0JYC0000369	CHIP RESISTOR	
	L4704	J0JYC0000369	CHIP RESISTOR	
	L4705	J0JYC0000369	CHIP RESISTOR	
	L4706	J0JYC0000369	CHIP RESISTOR	
	L4707	J0JYC0000369	CHIP RESISTOR	
	L4708	J0JYC0000369	CHIP RESISTOR	
	L5000	J0JYC0000369	CHIP RESISTOR	
	L5001	J0JYC0000369	CHIP RESISTOR	
	L5002	J0JYC0000369	CHIP RESISTOR	
	L5300	GLC4R7Z00015	COIL	
	L5600	GLC2R2Z00006	COIL	
	L5601	GLC3R3Z00004	COIL	
	L5602	GLC100MA0077	COIL	
	L5603	J0JHC0000075	BEAD COIL	
	L5604	GLC3R3Z00005	COIL	
	L5606	GLC100MA0077	COIL	
	L5608	J0JYC0000322	COIL	
	L7300	J0JKB0000034	EMI FILTER	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	L7401	EXCELDR35V	CORE	
	L7402	EXCELDR35V	CORE	
	L8000	J0JYC0000322	COIL	
	L8001	J0JHC0000116	BEAD CORE	
	L8002	J0JKC0000021	BEAD CORE	
	L8003	J0JKC0000021	BEAD CORE	
	L8004	J0JYC0000322	COIL	
	L8005	J0JKC0000021	BEAD CORE	
	L8007	J0JYC0000322	COIL	
	L8008	J0JYC0000322	COIL	
	L8009	J0JYC0000322	COIL	
	L8010	J0JYC0000322	COIL	
	L8011	J0JYC0000322	COIL	
	L8012	J0JYC0000322	COIL	
	L8013	J0JYC0000322	COIL	
	L8014	J0JYC0000322	COIL	
	L8015	J0JYC0000322	COIL	
	L8016	J0JYC0000322	COIL	
	L8017	J0JYC0000322	COIL	
	L8018	J0JYC0000322	COIL	
	L8019	J0JYC0000322	COIL	
	L8020	J0JYC0000322	COIL	
	L8021	J0JYC0000322	COIL	
	L8022	J0JYC0000322	COIL	
	L8023	J0JYC0000322	COIL	
	L8024	J0JYC0000322	COIL	
	L8025	J0JYC0000322	COIL	
	L8850	J0JYC0000322	COIL	
	L8851	J0JYC0000322	COIL	
	L8860	J0JYC0000322	COIL	
	L8920	J0JHC0000075	BEAD COIL	
	L9001	GLC100MA0072	COIL	
	L9003	J0JHC0000045	COIL	
	L9004	J0JHC0000046	EMI FILTER	
	L9005	J0JHC0000045	COIL	
	L9006	J0JHC0000046	EMI FILTER	
	L9007	J0JYC0000068	COIL	
	L9008	J0JHC0000045	COIL	
	L9009	J0JHC0000045	COIL	
	L9010	J0JHC0000045	COIL	
	L9011	J0JHC0000045	COIL	
	L9012	J0JHC0000045	COIL	
	L9013	GLC3R3Z00004	COIL	
	L9014	GLC2R2Z00006	COIL	
	L9015	GLC100MA0077	COIL	
	L9016	J0JHC0000075	BEAD COIL	
	L9201	J0JHC0000046	EMI FILTER	
	L9202	GLC6R8MA0416	COIL	
	L9203	GLC220MA0234	COIL	
	L9204	GLC220MA0234	COIL	
		TRANSISTORS		
	Q2101	DSA200100L	TRANSISTOR	
	Q2252	DSA200100L	TRANSISTOR	
	Q2253	B1AAFB000002	TRANSISTOR	
	Q2254	B1AAFB000002	TRANSISTOR	
	Q2301	DSC2001S0L	TRANSISTOR	
	Q2500	DSC200100L	TRANSISTOR	
	Q2501	DSC200100L	TRANSISTOR	
	Q2504	DSC200100L	TRANSISTOR	
	Q2903	B1CBHD000002	TRANSISTOR	
	Q2904	B1CBHD000002	TRANSISTOR	
	Q3104	B1ABCF000255	TRANSISTOR	
	Q3105	B1ABCF000255	TRANSISTOR	
	Q4512	B1HFCFA00044	TRANSISTOR	
	Q4513	B1ADCE000022	TRANSISTOR	
	Q4700	B1ABCF000255	TRANSISTOR	
	Q4702	B1ABCF000255	TRANSISTOR	
	Q4704	B1ABCF000255	TRANSISTOR	
	Q5000	B1ADCE000022	TRANSISTOR	
	Q5053	DSC2001S0L	TRANSISTOR	
	Q5054	B1ADCE000022	TRANSISTOR	
	Q5055	B1ADCE000022	TRANSISTOR	
	Q5240	DSC200100L	TRANSISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	Q5241	B1CHRE000005	TRANSISTOR	
	Q5300	B1MBDDA00003	TRANSISTOR	
	Q5600	B1MBDDA00003	TRANSISTOR	
	Q5601	B1MBEDA00015	TRANSISTOR	
	Q5605	B1MBEDA00015	TRANSISTOR	
	Q7208	B1DEGR000060	TRANSISTOR	
	Q7209	B1DEGR000060	TRANSISTOR	
	Q7210	B1BCCF000022	TRANSISTOR	
	Q7301	B1CERQ000060	TRANSISTOR	
	Q7302	B1CERQ000060	TRANSISTOR	
	Q7303	DSC200100L	TRANSISTOR	
	Q7420	DSC2001S0L	TRANSISTOR	
	Q7421	DSC2001S0L	TRANSISTOR	
	Q7701	B1CHRC000010	TRANSISTOR	
	Q7702	DSC200100L	TRANSISTOR	
	Q7703	B1ABGF000019	TRANSISTOR	
	Q7704	DSC200100L	TRANSISTOR	
	Q7754	B1ADGJ000008	TRANSISTOR	
	Q9001	B1ABCF000231	TRANSISTOR	
	Q9003	B1ABCF000231	TRANSISTOR	
	Q9007	B1ADCE000022	TRANSISTOR	
	Q9008	B1MBDDA00003	TRANSISTOR	
	Q9009	B1MBEDA00015	TRANSISTOR	
	Q9201	B1ABMD000006	TRANSISTOR	
	Q9202	B1DHCD000023	TRANSISTOR	
	Q9203	B1BDCF000021	TRANSISTOR	
	Q9204	B1ABNF000006	TRANSISTOR	
	Q9205	B1ABNF000006	TRANSISTOR	
	Q9206	B1ADNF000006	TRANSISTOR	
	Q9207	B1ADNF000006	TRANSISTOR	
	Q9208	B1ADCF000190	TRANSISTOR	
		RESISTORS		
	R0900	D0GA680JA023	C 680HM ,J, 1/10W	
	R0901	D0GA680JA023	C 680HM ,J, 1/10W	
	R0902	EXB28V680JX	680HM ,J, 1/10W	
	R0903	D0GA680JA023	C 680HM ,J, 1/10W	
	R0905	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R0910	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R0911	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R0912	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R0913	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R0940	D0GA680JA023	C 680HM ,J, 1/10W	
	R0941	D0GA680JA023	C 680HM ,J, 1/10W	
	R0942	D0GA680JA023	C 680HM ,J, 1/10W	
	R0943	D0GA680JA023	C 680HM ,J, 1/10W	
	R0944	D0GA680JA023	C 680HM ,J, 1/10W	
	R0945	D0GA680JA023	C 680HM ,J, 1/10W	
	R0946	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0947	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0948	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R0949	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R0957	ERJ2GEJ102X	F 10KOHM ,J, 1/10W	
	R0958	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0959	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0966	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R0967	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R0968	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R0969	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R0970	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0971	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0972	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0973	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0976	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0977	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0978	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0979	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0980	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R0981	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R0982	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0983	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R0984	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R0985	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R0986	ERJ2GEJ220X	F 220HM ,J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R0987	ERJ2GEJ220X	F 220HM ,J, 1/10W	
	R1103	D0GA330JA023	C 330HM ,J, 1/10W	
	R1178	D0GA331JA023	C 330OHM ,J, 1/10W	
	R1179	D1BB7151A012	C 7.15KOHM ,J, 1/10W	
	R1180	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R1181	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R1183	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R1185	D0GA101JA023	C 100OHM ,J, 1/10W	
	R1186	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R1187	D0GA273JA023	C 27KOHM ,J, 1/10W	
	R1201	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R1202	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R1203	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R1204	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R1205	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R1206	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R1500	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R1505	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R1520	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R1521	ERJ2GEJ104X	F 100KOHM ,J, 1/10W	
	R1567	D0GA182JA023	C 1.8KOHM ,J, 1/10W	
	R1568	D0GA683JA023	C 68KOHM ,J, 1/10W	
	R1569	D0GA223JA023	C 22KOHM ,J, 1/10W	
	R1576	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R2053	D1BB1403A012	C 140KOHM ,J, 1/10W	
	R2055	D1BB1403A012	C 140KOHM ,J, 1/10W	
	R2069	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R2070	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R2101	D0GA332JA023	C 33KOHM ,J, 1/10W	
	R2102	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R2107	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R2135	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R2139	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R2140	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R2254	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R2255	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R2256	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R2257	D0GA105JA023	C 1MOHM ,J, 1/10W	
	R2258	D0GA101JA023	C 100OHM ,J, 1/10W	
	R2259	D0GA101JA023	C 100OHM ,J, 1/10W	
	R2301	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R2302	EXB28V220JX	22OHM ,J, 1/10W	
	R2303	D0GA100JA023	C 10OHM ,J, 1/10W	
	R2304	D0GA100JA023	C 10OHM ,J, 1/10W	
	R2310	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R2318	ERJ8GEYJ3R3V	3.3OHM ,J, 1/10W	
	R2319	ERJ8GEYJ3R3V	3.3OHM ,J, 1/10W	
	R2320	ERJ8GEYJ3R3V	3.3OHM ,J, 1/10W	
	R2321	ERJ8GEYJ3R3V	3.3OHM ,J, 1/10W	
	R2322	ERJ6GEYOR00V	M 00HM ,J, 1/10W	
	R2323	ERJ6GEYOR00V	M 00HM ,J, 1/10W	
	R2331	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R2340	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R2341	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R2342	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R2500	ERJ2RKF2800X	2800HM ,K, 1/10W	
	R2502	D0GA473JA015	C 47KOHM ,J, 1/10W	
	R2504	D0GA223JA015	M 22KOHM , 1/10W	
	R2507	D0GA473JA015	C 47KOHM ,J, 1/10W	
	R2508	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R2509	D1BA9100A014	C 910OHM ,J, 1/10W	
	R2512	D0GA470JA015	C 47KOHM ,J, 1/10W	
	R2514	D0GA562JA015	C 5.6KOHM ,J, 1/16W	
	R2515	D0GA124JA015	C 120KOHM ,J, 1/10W	
	R2516	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R2517	ERJ2GEJ104X	F 100KOHM ,J, 1/10W	
	R2518	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R2529	D0GA332JA015	C 33KOHM ,J, 1/10W	
	R2530	D0GA332JA015	C 33KOHM ,J, 1/10W	
	R2532	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R2600	D0GDR00JA017	C 00HM ,J, 1/10W	
	R2601	D1BD1741A044	C 1.74KOHM ,J, 1/10W	
	R2602	D1BD7151A044	C 7.15KOHM ,J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R2603	D1BD6651A044	C 6.65KOHM ,J, 1/10W	
	R2604	D1BD1432A044	C 14.3KOHM ,J, 1/10W	
	R2752	ERJ6GEY0R00V	M 00HM,J,1/10W	
	R2753	ERJ6GEY0R00V	M 00HM,J,1/10W	
	R2761	D0GA101JA023	C 100OHM ,J, 1/10W	
	R2762	D0GA222JA023	C 22KOHM ,J, 1/10W	
	R2763	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R2764	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R2772	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R2785	D0GA101JA023	C 100OHM ,J, 1/10W	
	R2786	D0GA101JA023	C 100OHM ,J, 1/10W	
	R2795	D0GA101JA023	C 100OHM ,J, 1/10W	
	R2900	D1BB1002A012	C 10KOHM ,J, 1/10W	
	R2901	D1BB1002A012	C 10KOHM ,J, 1/10W	
	R2902	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R2903	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R2904	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R2905	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R2906	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R2908	ERJ2GEJ682X	6.8KOHM ,J, 1/10W	
	R2911	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R2921	ERJ2GEJ682X	6.8KOHM ,J, 1/10W	
	R2950	D0GBR00JA008	C 00HM ,J, 1/10W	
	R2959	D0GBR00JA008	C 00HM ,J, 1/10W	
	R3001	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R3002	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R3006	D0GA680JA023	C 68OHM ,J, 1/10W	
	R3007	D0GA680JA023	C 68OHM ,J, 1/10W	
	R3010	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R3011	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R3012	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3013	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3014	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3101	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R3102	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R3103	ERJ6ENF75R0V	M 75OHM, 1/10W	
	R3104	ERJ6ENF75R0V	M 75OHM, 1/10W	
	R3105	ERJ6ENF75R0V	M 75OHM, 1/10W	
	R3106	D0GA333JA023	C 33KOHM ,J, 1/10W	
	R3107	D0GA333JA023	C 33KOHM ,J, 1/10W	
	R3109	ERJ8ENF75R0V	M 75OHM, 1/8W	
	R3117	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3119	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R3120	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3121	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3123	D0GA680JA023	C 68OHM ,J, 1/10W	
	R3124	D0GA680JA023	C 68OHM ,J, 1/10W	
	R3125	D0GA680JA023	C 68OHM ,J, 1/10W	
	R3126	D0GA680JA023	C 68OHM ,J, 1/10W	
	R3127	D0GA680JA023	C 68OHM ,J, 1/10W	
	R3128	ERJ2GEJ104X	F 100KOHM ,J, 1/10W	
	R3130	ERJ6ENF75R0V	M 75OHM, 1/10W	
	R3145	ERJ8ENF75R0V	M 75OHM, 1/8W	
	R3149	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R3152	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3165	D0GA333JA023	C 33KOHM ,J, 1/10W	
	R3166	D0GA333JA023	C 33KOHM ,J, 1/10W	
	R3173	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3174	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3181	ERJ6ENF75R0V	M 75OHM, 1/10W	
	R3182	ERJ6ENF75R0V	M 75OHM, 1/10W	
	R3183	ERJ6ENF75R0V	M 75OHM, 1/10W	
	R3184	ERJ2GEJ104X	F 100KOHM ,J, 1/10W	
	R3185	ERJ2GEJ104X	F 100KOHM ,J, 1/10W	
	R3186	D0GA333JA023	C 33KOHM ,J, 1/10W	
	R3187	D0GA333JA023	C 33KOHM ,J, 1/10W	
	R3188	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3189	ERJ2GEJ221X	220OHM ,J, 1/10W	
	R3190	D0GA101JA023	C 100OHM ,J, 1/10W	
	R3191	D0GA101JA023	C 100OHM ,J, 1/10W	
	R3192	D0GA820JA023	C 82OHM ,J, 1/10W	
	R3193	D0GA820JA023	C 82OHM ,J, 1/10W	
	R3194	D0GA331JA023	C 330OHM ,J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R3195	D0GA331JA023	C 330OHM ,J, 1/10W	
	R3196	D0GA820JA023	C 82OHM ,J, 1/10W	
	R3221	ERJ8ENF75R0V	M 75OHM, 1/8W	
	R3243	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R3360	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R3361	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R388	D0GA680JA023	C 68OHM ,J, 1/10W	
	R3990	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R3991	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4201	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4202	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4204	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4205	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4208	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R4548	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R4549	D0GA151JA023	C 150OHM,J, 1/2W	
	R4550	D0GA151JA023	C 150OHM,J, 1/2W	
	R4551	D0GA151JA023	C 150OHM,J, 1/2W	
	R4552	D0GA560JA023	C 56OHM ,J, 1/10W	
	R4553	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4554	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R4556	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4557	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4560	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R4651	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R4655	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R4659	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R4663	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R4666	D0GA330JA023	C 33OHM ,J, 1/10W	
	R4668	D0GA330JA023	C 33OHM ,J, 1/10W	
	R4670	D0GA330JA023	C 33OHM ,J, 1/10W	
	R4672	D0GA330JA023	C 33OHM ,J, 1/10W	
	R4676	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R4677	D0GA122JA023	C 1.2KOHM ,J, 1/10W	
	R4702	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4703	D0GA330JA023	C 33OHM ,J, 1/10W	
	R4704	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R4708	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4709	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4711	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R4712	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R4715	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4716	D0GA330JA023	C 33OHM ,J, 1/10W	
	R4717	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R4721	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4722	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4724	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R4725	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R4728	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4729	D0GA330JA023	C 33OHM ,J, 1/10W	
	R4730	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R4734	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4735	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R4737	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R4738	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R4739	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R4740	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4741	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4742	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4743	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4744	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4745	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4746	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4747	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4748	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4749	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4750	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4751	D0GA680JA023	C 68OHM ,J, 1/10W	
	R4763	ERJ2GEJ104X	F 100KOHM ,J, 1/10W	
	R4764	ERJ2GEJ104X	F 100KOHM ,J, 1/10W	
	R4765	ERJ2GEJ104X	F 100KOHM ,J, 1/10W	
	R4800	ERJ6GEY0R00V	M 00HM,J,1/10W	
	R4804	D0GAR00Z0001	C 00HM ,J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R4805	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4812	EXB28VR000X	C 00HM ,J, 1/10W	
	R4813	EXB28VR000X	C 00HM ,J, 1/10W	
	R4814	EXB28VR000X	C 00HM ,J, 1/10W	
	R4815	EXB28VR000X	C 00HM ,J, 1/10W	
	R4816	EXB28VR000X	C 00HM ,J, 1/10W	
	R4817	EXB28VR000X	C 00HM ,J, 1/10W	
	R4845	EXB28VR000X	C 00HM ,J, 1/10W	
	R4846	EXB28VR000X	C 00HM ,J, 1/10W	
	R4847	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4848	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4849	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4850	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4851	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4853	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4854	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4856	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4857	EXB28VR000X	C 00HM ,J, 1/10W	
	R4858	EXB28VR000X	C 00HM ,J, 1/10W	
	R4860	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4871	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4939	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4941	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4955	D0GA101JA023	C 100OHM ,J, 1/10W	
	R4958	D0GA101JA023	C 100OHM ,J, 1/10W	
	R4975	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4993	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R4994	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R4995	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4996	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R4999	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5000	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5001	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5002	D0GA683JA023	C 68KOHM ,J, 1/10W	
	R5003	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5004	D0GA563JA023	C 56KOHM ,J, 1/10W	
	R5005	D0GA680JA023	C 68OHM ,J, 1/10W	
	R5006	D0GA223JA023	C 22KOHM ,J, 1/10W	
	R5007	D0GA223JA023	C 22KOHM ,J, 1/10W	
	R5008	D0GA203JA023	C 20KOHM ,J, 1/10W	
	R5009	D1BA5602A023	C 56KOHM ,J, 1/10W	
	R5010	D0GA223JA023	C 22KOHM ,J, 1/10W	
	R5011	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R5012	D1BA2202A023	C 22KOHM ,J, 1/10W	
	R5013	D0GA333JA023	C 33KOHM ,J, 1/10W	
	R5015	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5018	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5023	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5024	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5025	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5029	D0GA101JA023	C 100OHM ,J, 1/10W	
	R5030	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5050	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R5051	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5052	D0GA105JA023	C 1MOHM ,J, 1/10W	
	R5053	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R5054	D0GA563JA023	C 56KOHM ,J, 1/10W	
	R5055	D0GA203JA023	C 20KOHM ,J, 1/10W	
	R5056	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5060	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R5061	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R5069	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R5070	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R5100	D0GA101JA023	C 100OHM ,J, 1/10W	
	R5104	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5151	D0GA101JA023	C 100OHM ,J, 1/10W	
	R5152	D0GA222JA023	C 2.2KOHM ,J, 1/10W	
	R5153	D0GA101JA023	C 100OHM ,J, 1/10W	
	R5155	D0GA101JA023	C 100OHM ,J, 1/10W	
	R5204	D1BA4302A023	C 43KOHM ,J, 1/10W	
	R5205	D1BA8201A023	C 8.2KOHM ,J, 1/10W	
	R5206	ERJ6GEY0R00V	M 00HM ,J, 1/10W	
	R5240	D0GA223JA023	C 22KOHM ,J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R5241	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5242	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R5243	D0GA333JA023	C 33KOHM ,J, 1/10W	
	R5246	ERJ6GEY0R00V	M 00HM ,J, 1/10W	
	R5247	ERJ12YJ471U	M 470OHM ,J, 1/2W	
	R5260	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5265	ERJ6GEY0R00V	M 00HM ,J, 1/10W	
	R5300	D1BB4302A074	C 43KOHM ,J, 1/10W	
	R5301	D1BB7501A074	C 7.5KOHM ,J, 1/10W	
	R5302	D1BB1502A012	C 150OHM ,J, 1/2W	
	R5303	D0GB100JA065	C 100HM ,J, 1/10W	
	R5304	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5305	D0GBR00JA008	C 00HM ,J, 1/10W	
	R5306	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5307	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5400	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5401	D0GA153JA023	C 15KOHM ,J, 1/10W	
	R5402	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5500	D0GBR00JA008	C 00HM ,J, 1/10W	
	R5601	D1BB8200A074	C 820OHM ,J, 1/10W	
	R5602	D1BB2701A074	C 2.7KOHM ,J, 1/10W	
	R5603	D1BB1241A074	C 1.24KOHM ,J, 1/10W	
	R5604	D1BB2001A074	C 2KOHM ,J, 1/10W	
	R5605	D1BB2002A012	C 20KOHM ,J, 1/10W	
	R5606	D1BB2402A012	C 24KOHM ,J, 1/10W	
	R5616	D0GB100JA065	100OHM ,J, 1/10W	
	R5617	D0GB100JA065	100OHM ,J, 1/10W	
	R5618	D1BB3301A012	C 3.3KOHM ,J, 1/10W	
	R5620	D1BB1001A012	C 1KOHM ,J, 1/10W	
	R5622	D1BB2402A012	C 24KOHM ,J, 1/10W	
	R5627	D0GB100JA065	C 100HM ,J, 1/10W	
	R5628	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5631	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5635	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R5638	D0GBR00JA008	C 00HM ,J, 1/10W	
	R5640	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5641	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5642	ERJ2GEJ104X	F 100KOHM ,J, 1/10W	
	R5643	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R5644	D0GA752JA023	C 7.5KOHM ,J, 1/10W	
	R5647	D0GAR00Z0001	C 00HM ,J, 1/10W	
⚠	R7001	ERC12ZGK105V	S 1MOHM ,K, 1/2W	
	R7206	D0GD223JA052	C 22KOHM ,J, 1/10W	
	R7208	D0GD684JA052	C 680KOHM ,J, 1/10W	
	R7209	D0GD684JA052	C 680KOHM ,J, 1/10W	
	R7210	D0GD684JA052	C 680KOHM ,J, 1/10W	
	R7211	D0GD684JA052	C 680KOHM ,J, 1/10W	
	R7212	D0GD303JA052	C 30KOHM ,J, 1/10W	
	R7213	D0GD393JA052	C 30KOHM ,J, 1/10W	
	R7214	ERJ6ENF1692	M16.9KOHM ,1/10W	
	R7215	ERDS2TJ101	C 100OHM ,J, 1/4W	
	R7216	D0D5R10KA007	W 0.1OHM ,K, 5W	
	R7217	ERG12SJ471V	C 470OHM ,J, 1/2W	
	R7218	ERG12SJ220V	C 22OHM ,J, 1/2W	
	R7219	ERG12SJ220V	C 22OHM ,J, 1/2W	
	R7220	D0GD104JA052	C 100KOHM ,J, 1/10W	
	R7221	ERG2SJ330P	M 33OHM ,J, 2W	
	R7222	ERG2SJ330P	M 33OHM ,J, 2W	
	R7223	ERJ6ENF6343	C 634KOHM ,J, 1/8W	
	R7224	ERJ6ENF6343	C 634KOHM ,J, 1/8W	
	R7225	ERJ6ENF6343	C 634KOHM ,J, 1/8W	
	R7226	ERJ6ENF6343	C 634KOHM ,J, 1/8W	
	R7301	ERG12SJ330V	M 33OHM ,J, 1/2W	
	R7302	ERJ6ENF4700V	M 470OHM ,1/10W	
	R7303	ERDS2TJ105T	C 1MOHM ,J, 1/4W	
	R7304	ERJ6ENF2200	M 220OHM ,1/10W	
	R7305	ERDS2TJ105T	C 1MOHM ,J, 1/4W	
	R7306	ERDS2TJ105T	C 1MOHM ,J, 1/4W	
	R7307	ERJ6RBD363	C 36KOHM ,J, 1/10W	
	R7308	D0GD561JA052	C 560OHM ,J, 1/10W	
	R7309	D0GF101JA048	C 100OHM ,J, 1/10W	
	R7310	D0GD104JA052	C 100KOHM ,J, 1/10W	
	R7313	D0AE104JA046	C 100KOHM ,J, 1/4W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R7314	DOAE104JA046	C 100KOHM ,J, 1/4W	
	R7315	ERJ6RBD473V	C 47KOHM ,J, 1/10W	
	R7317	D0GF101JA048	C 100OHM ,J, 1/10W	
	R7318	D0GF100JA048	C 100OHM ,J, 1/10W	
	R7319	ERG12S5J100	M 100OHM ,J, 1/2W	
	R7321	D0GD104JA052	C 100KOHM ,J, 1/10W	
	R7322	DOXB106J0003	10MOHM ,J, 250V	
	R7323	D0GDR00J0004	C 0OHM ,J, 1/10W	
	R7401	ERF2AJ120P	120OHM ,J, 2W	
	R7402	ERJ12YJ474U	470KOHM ,J, 1/2W	
	R7403	ERX12S5J3R3V	M 3.30HM ,J, 1/2W	
	R7404	ERX12S5J3R3V	M 3.30HM ,J, 1/2W	
	R7405	ERG12S5J220V	M 220HM ,J, 1/2W	
	R7406	D0GD222JA052	C 2.2KOHM ,J, 1/10W	
	R7407	D0GD101JA052	C 100OHM ,J, 1/10W	
	R7408	ERJ12YJ474U	470KOHM ,J, 1/2W	
	R7409	ERJ12YJ474U	470KOHM ,J, 1/2W	
	R7410	D0GD474JA052	C 470KOHM ,J, 1/10W	
	R7411	D0GD393JA052	C 39KOHM ,J, 1/10W	
	R7413	ERG2S5J330P	M 33OHM ,J, 2W	
	R7420	D0GD753JA052	C 75KOHM ,J, 1/8W	
	R7421	D0GD753JA052	C 75KOHM ,J, 1/8W	
	R7422	D0GD753JA052	C 75KOHM ,J, 1/8W	
	R7423	D0GD753JA052	C 75KOHM ,J, 1/8W	
	R7424	D0GD753JA052	C 75KOHM ,J, 1/8W	
	R7425	D0GD753JA052	C 75KOHM ,J, 1/8W	
	R7426	D0GD183JA052	C 18KOHM ,J, 1/8W	
	R7427	D0GD473JA052	C 47KOHM ,J, 1/8W	
	R7428	D0GD100JA052	C 100OHM ,J, 1/8W	
	R7429	D0GD104JA052	C 100KOHM ,J, 1/8W	
	R7503	D0GD102JA052	C 1KOHM ,J, 1/10W	
	R7504	D0GD122JA052	C 1.2KOHM ,J, 1/10W	
	R7505	D0GD272JA052	C 2.7KOHM ,J, 1/10W	
	R7506	ERJ6RBD822V	C 8.2KOHM ,J, 1/10W	
	R7507	ERJ6RBD271V	C 270OHM ,J, 1/10W	
	R7508	ERJ6RBD222V	C 2.2KOHM ,J, 1/10W	
	R7513	D0GDR00J0004	C 0OHM ,J, 1/10W	
	R7514	D0GD103JA052	C 10KOHM ,J, 1/10W	
	R7516	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7517	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7518	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7519	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7520	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7521	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7522	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7523	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7524	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7525	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7526	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7527	D0GD113JA052	C 11KOHM ,J, 1/10W	
	R7601	D0GD102JA052	C 1KOHM ,J, 1/10W	
	R7602	D0GD151JA052	C 150OHM ,J, 1/2W	
	R7603	D0GDR00J0004	C 0OHM ,J, 1/10W	
	R7604	ERJ6ENF6801V	M 6.8KOHM ,1/10W	
	R7605	ERJ6ENF4701V	M 4.7KOHM ,1/10W	
	R7606	D0GD472JA052	C 4.7KOHM ,J, 1/10W	
	R7701	D0GD223JA052	C 22KOHM ,J, 1/10W	
	R7702	D0GD103JA052	C 10KOHM ,J, 1/10W	
	R7703	D0GD102JA052	C 10KOHM ,J, 1/10W	
	R7704	D0GD473JA052	C 4.7KOHM ,J, 1/10W	
	R7705	D0GD103JA052	C 10KOHM ,J, 1/10W	
	R7706	D0GD473JA052	C 4.7KOHM ,J, 1/10W	
	R7707	D0GD821JA052	C 820OHM ,J, 1/10W	
	R7708	D0GD473JA052	C 4.7KOHM ,J, 1/10W	
	R7710	D0GD124JA052	C 120KOHM ,J, 1/10W	
	R7711	D0GD101JA052	C 100OHM ,J, 1/10W	
	R7759	D0GD472JA052	C 4.7KOHM ,J, 1/10W	
	R7760	D0GD222JA052	C 2.2KOHM ,J, 1/10W	
	R7761	ERG2S5J330P	M 33OHM ,J, 2W	
	R7763	D0GD101JA052	C 100OHM ,J, 1/10W	
	R8002	D1BB2402A012	C 24KOHM ,J, 1/10W	
	R8003	D1BB1002A012	C 10KOHM ,J, 1/10W	
	R8004	D1BB2402A012	C 24KOHM ,J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R8005	D1BA1001A023	C 1KOHM ,J, 1/10W	
	R8006	D1BA1001A023	C 1KOHM ,J, 1/10W	
	R8007	D0GA111JA023	C 110OHM ,J, 1/10W	
	R8008	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8009	D1BA56R0A023	C 560HM ,J, 1/10W	
	R8010	D1BA3000A023	C 300OHM ,J, 1/10W	
	R8011	D0GB331JA065	C 330OHM ,J, 1/10W	
	R8014	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8015	D0GA681JA023	C 680OHM ,J, 1/10W	
	R8017	D0GA471JA023	C 470OHM ,J, 1/10W	
	R8031	D0GA222JA023	C 2.2KOHM ,J, 1/10W	
	R8211	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8212	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8396	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8470	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8488	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8489	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8490	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8491	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8492	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8493	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8494	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8495	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8496	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8497	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8498	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8499	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8500	EXB2HV103JV	F 10OHM ,J, 1/10W	
	R8511	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8512	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8513	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8514	D0GA222JA023	C 2.2KOHM ,J, 1/10W	
	R8516	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8517	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8606	D0GA222JA023	C 2.2KOHM ,J, 1/10W	
	R8607	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8610	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8616	D0GA222JA023	C 2.2KOHM ,J, 1/10W	
	R8617	D0GA222JA023	C 2.2KOHM ,J, 1/10W	
	R8618	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8621	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8622	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8627	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8628	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8631	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8632	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8633	D0GA222JA023	C 2.2KOHM ,J, 1/10W	
	R8635	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8636	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8638	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8639	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8641	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8642	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8645	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8646	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8649	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8652	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8655	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8656	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8660	EXB2HV680JV	68OHM ,J, 1/10W	
	R8661	D0GA222JA023	C 2.2KOHM ,J, 1/10W	
	R8664	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8669	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8671	D0GA222JA023	C 2.2KOHM ,J, 1/10W	
	R8733	D1BB1600A012	C 160OHM ,J, 1/10W	
	R8824	D1BA6201A023	C 6.2KOHM ,J, 1/10W	
	R8856	D0GA473JA023	C 47KOHM ,J, 1/10W	
	R8857	D0GA330JA023	C 33OHM ,J, 1/0W	
	R8859	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8860	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8861	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8862	D0GA680JA023	C 68OHM ,J, 1/10W	
	R8863	D0GA680JA023	C 68OHM ,J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R8867	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8868	D0GA330JA023	C 330HM ,J, 1/10W	
	R8869	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8870	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8871	D0GA680JA023	C 680HM ,J, 1/10W	
	R8872	D0GA330JA023	C 330HM,J, 1/0W	
	R8873	D0GA330JA023	C 330HM,J, 1/0W	
	R8874	D0GA330JA023	C 330HM,J, 1/0W	
	R8875	D0GA330JA023	C 330HM,J, 1/0W	
	R8876	D0GA330JA023	C 330HM,J, 1/0W	
	R8877	D0GA330JA023	C 330HM,J, 1/0W	
	R8878	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8879	EXB28V103JX	F 10KOHM ,J, 1/10W	
	R8881	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R8883	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R8884	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R8890	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R8893	D0GA272JA023	C 2.7KOHM ,J, 1/10W	
	R8900	D0GA680JA023	C 680HM ,J, 1/10W	
	R8918	EXB2HV680JV	680HM ,J, 1/10W	
	R8919	EXB2HV680JV	680HM ,J, 1/10W	
	R8920	D0GA222JA023	C 2.2KOHM ,J, 1/10W	
	R8922	EXB2HVR000V	0 OHM ,J, 1/10W	
	R8923	D0GA680JA023	C 680HM ,J, 1/10W	
	R8924	D0GA680JA023	C 680HM ,J, 1/10W	
	R8925	D0GA680JA023	C 680HM ,J, 1/10W	
	R8926	D0GA680JA023	C 680HM ,J, 1/10W	
	R8927	D0GA680JA023	C 680HM ,J, 1/10W	
	R8928	D0GA680JA023	C 680HM ,J, 1/10W	
	R8950	D0GA472JA023	C 4.7KOHM ,J, 1/10W	
	R8951	D0GA680JA023	C 680HM ,J, 1/10W	
	R9005	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9006	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9007	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9008	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9009	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9010	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9011	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9012	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9013	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9014	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9015	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9016	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9020	D0GBR00JA008	C 00HM ,J, 1/10W	
	R9021	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R9022	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R9023	D0GD103JA036	C 10KOHM ,J, 1/10W	
	R9025	D0GA392JA015	3.9KOHM ,J, 1/10W	
	R9031	D0GA473JA015	C 47KOHM ,J, 1/10W	
	R9036	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9042	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9052	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R9056	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R9066	EXB2HV103JV	10KOHM ,J, 1/16W	
	R9068	D0GA334JA015	C 330OHM ,J, 1/10W	
	R9069	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9070	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9071	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9072	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9073	ERJ2GEJ102X	F 10KOHM ,J, 1/10W	
	R9074	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9075	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9076	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9078	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9079	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9081	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9082	D0GA680JA015	C 680HM ,J, 1/10W	
	R9088	D0GA223JA015	C 22KOHM ,J, 1/10W	
	R9089	EXB28V680JX	680HM ,J, 1/10W	
	R9090	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9093	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9094	D0GA680JA015	C 680HM ,J, 1/10W	
	R9095	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	

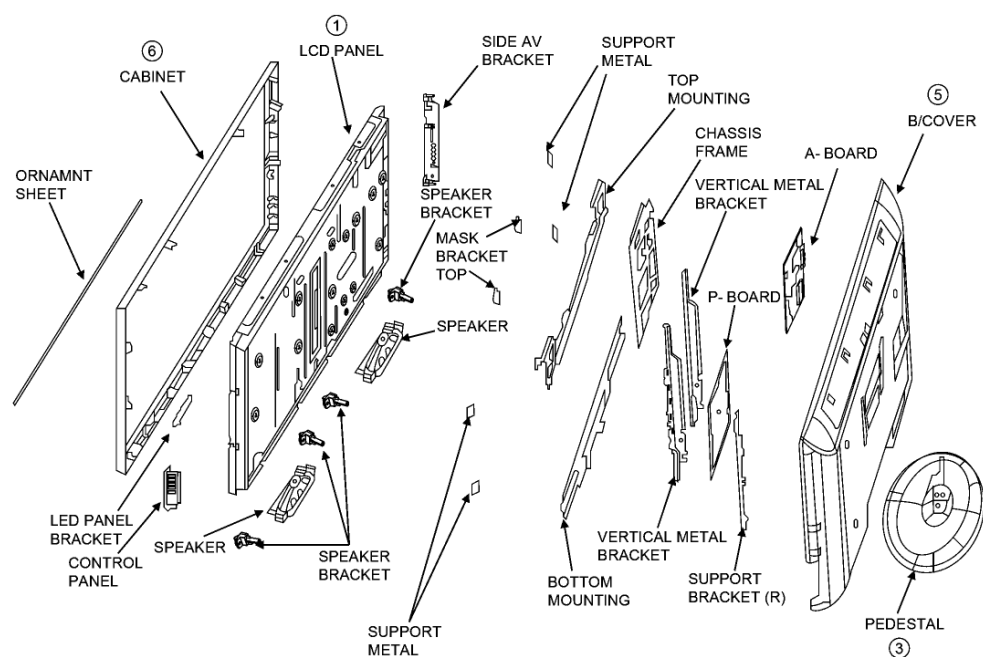
Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R9096	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9097	D0GA680JA015	C 680HM ,J, 1/10W	
	R9098	D0GA680JA015	C 680HM ,J, 1/10W	
	R9099	D0GA680JA015	C 680HM ,J, 1/10W	
	R9100	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9101	D0GA153JA015	C 15KOHM ,J, 1/10W	
	R9102	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9103	D1BB2492A012	24.9KOHM ,J, 1/10W	
	R9104	D1BB2700A087	270OHM ,J, 1/10W	
	R9106	D1BB4702A012	47KOHM ,J, 1/10W	
	R9107	D1BB1001A087	C 1KOHM ,J, 1/10W	
	R9108	D1BB1101A012	1.1KOHM ,J, 1/10W	
	R9109	D1BB8200A087	C 820OHM ,J, 1/10W	
	R9110	D1BB3601A012	3.6KOHM ,J, 1/10W	
	R9113	D0GA473JA015	C 47KOHM ,J, 1/10W	
	R9114	D0GB100JA041	C 100HM ,J, 1/10W	
	R9115	D0GB100JA041	C 100HM ,J, 1/10W	
	R9116	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R9117	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R9118	D1BB2702A012	27KOHM ,J, 1/10W	
	R9119	D1BB2402A012	C 24KOHM ,J, 1/10W	
	R9125	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9126	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9135	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R9141	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R9152	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R9153	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R9158	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R9159	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R9160	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R9161	ERJ2GEJ102X	F 1KOHM ,J, 1/10W	
	R9201	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9202	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9203	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9204	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9205	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9206	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9207	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9208	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9209	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9210	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9211	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9212	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9213	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9214	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9215	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9216	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9217	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9218	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9219	D0GBR00JA008	C 00HM ,J, 1/10W	
	R9221	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R9222	D0GA472JA015	C 4.7KOHM ,J, 1/10W	
	R9223	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9224	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R9225	D0GA472JA015	C 4.7KOHM ,J, 1/10W	
	R9226	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9228	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9229	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9230	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9232	D0GA101JA015	C 100OHM ,J, 1/10W	
	R9234	D0GA680JA015	C 680HM ,J, 1/10W	
	R9235	D0GAR00Z0001	M 00HM ,J, 1/10W	
	R9237	D1BA1001A023	C 1KOHM ,J, 1/10W	
	R9238	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R9239	D0GAR00Z0001	C 00HM ,J, 1/10W	
	R9240	D1BA10R0A023	10OHM ,J, 1/10W	
	R9242	ERJ2GEJ103X	F 10KOHM ,J, 1/10W	
	R9243	D1BA1004A023	1MOHM ,J, 1/16W	
	R9245	D1BA6201A023	C 6.2KOHM ,J, 1/10W	
	R9246	D0GA472JA015	C 4.7KOHM ,J, 1/10W	
	R9247	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R9248	ERJ2GEJ220X	220OHM ,J, 1/10W	
	R9250	D1BA1000A023	100OHM ,J, 1/16W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R9260	D1BA20R0A023	20OHM ,J, 1/16W	
	R9261	D1BA20020005	20KOHM ,J, 1/16W	
	R9262	D1BA7501A023	7.5KOHM ,J, 1/16W	
	R9263	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9264	D1BA20R0A023	20OHM ,J, 1/16W	
	R9265	D1BA1000A023	100OHM ,J, 1/16W	
	R9266	D1BA3001A023	3KOHM ,J, 1/16W	
	R9267	D1BA10R0A023	10OHM ,J, 1/10W	
	R9268	D1BA10R0A023	10OHM ,J, 1/10W	
	R9270	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9271	D1BA1003A023	100KOHM ,J, 1/16W	
	R9272	D1BA3602A023	36KOHM ,J, 1/16W	
	R9273	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9275	D1BA3001A023	C 3KOHM ,J, 1/16W	
	R9276	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9278	D1BA8202A023	82KOHM ,J, 1/16W	
	R9280	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9281	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9283	D1BA5101A023	5.1KOHM ,J, 1/16W	
	R9285	D1BA3601A023	3.6KOHM ,J, 1/16W	
	R9286	D1BA1302A023	13KOHM ,J, 1/16W	
	R9287	D1BA8201A023	8.2KOHM ,J, 1/16W	
	R9288	D1BA1000A023	100OHM ,J, 1/16W	
	R9289	D1BA2R20A023	2.2OHM ,J, 1/16W	
	R9290	D1BA2R20A023	2.2OHM ,J, 1/16W	
	R9291	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9294	D1BA1003A023	100KOHM ,J, 1/16W	
	R9297	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9298	D1BA20R0A023	20OHM ,J, 1/16W	
	R9299	D1BA20R0A023	20OHM ,J, 1/16W	
	R9300	D1BA1002A023	C 10KOHM ,J, 1/16W	
	R9301	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9302	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9303	D1BA2R20A023	2.2OHM ,J, 1/16W	
	R9306	D1BA2R20A023	2.2OHM ,J, 1/16W	
	R9307	D1BA1004A023	1MOHM ,J, 1/16W	
	R9308	D1BA1004A023	1MOHM ,J, 1/16W	
	R9309	D1BA5102A023	51KOHM ,J, 1/16W	
	R9310	D1BA7502A023	75KOHM ,J, 1/16W	
	R9311	D1BA6802A023	68KOHM ,J, 1/16W	
	R9312	D1BA1502A023	15KOHM ,J, 1/16W	
	R9313	D1BA5602A023	56KOHM ,J, 1/16W	
	R9314	D1BA1003A023	100KOHM ,J, 1/16W	
	R9315	D1BA2R20A023	2.2OHM ,J, 1/16W	
	R9316	D1BA2R20A023	2.2OHM ,J, 1/16W	
	R9317	D1BA2R20A023	2.2OHM ,J, 1/16W	
	R9318	D1BA2R20A023	2.2OHM ,J, 1/16W	
	R9319	D1BA1602A023	16KOHM ,J, 1/16W	
	R9320	D1BA8202A023	82KOHM ,J, 1/16W	
	R9322	ERJ8ENF9101	F 9.1KOHM ,J, 1/4W	
	R9324	D1BA1001A023	C 1KOHM ,J, 1/10W	
	R9327	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9328	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9331	D1BA2701A023	2.7KOHM ,J, 1/16W	
	R9332	D1BA5102A023	51KOHM ,J, 1/16W	
	R9333	D1BA20020005	C 20KOHM ,J, 1/16W	
	R9334	D1BA7501A023	7.5KOHM ,J, 1/16W	
	R9335	D1BA3303A023	330KOHM ,J, 1/16W	
	R9336	D4CC14730006	47KOHM ,J, 1/10W	
	R9337	D1BA9101A023	9.1KOHM ,J, 1/16W	
	R9338	D1BA1001A023	C 1KOHM ,J, 1/10W	
	R9339	D0GA472JA015	C 4.7KOHM ,J, 1/10W	
	R9349	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9351	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9353	D1BA2202A014	C 22KOHM ,J, 1/10W	
	R9359	D1BA1001A014	C 1KOHM ,J, 1/10W	
	R9361	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9362	D1BA2202A014	C 22KOHM ,J, 1/10W	
	R9363	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9364	D1BA3900A014	C 390OHM ,J, 1/16W	
	R9365	D1BA1001A014	C 1KOHM ,J, 1/10W	
	R9366	D1BA2201A014	C 2.2KOHM ,J, 1/10W	
	R9369	D0GAR00Z0001	C 0OHM ,J, 1/10W	

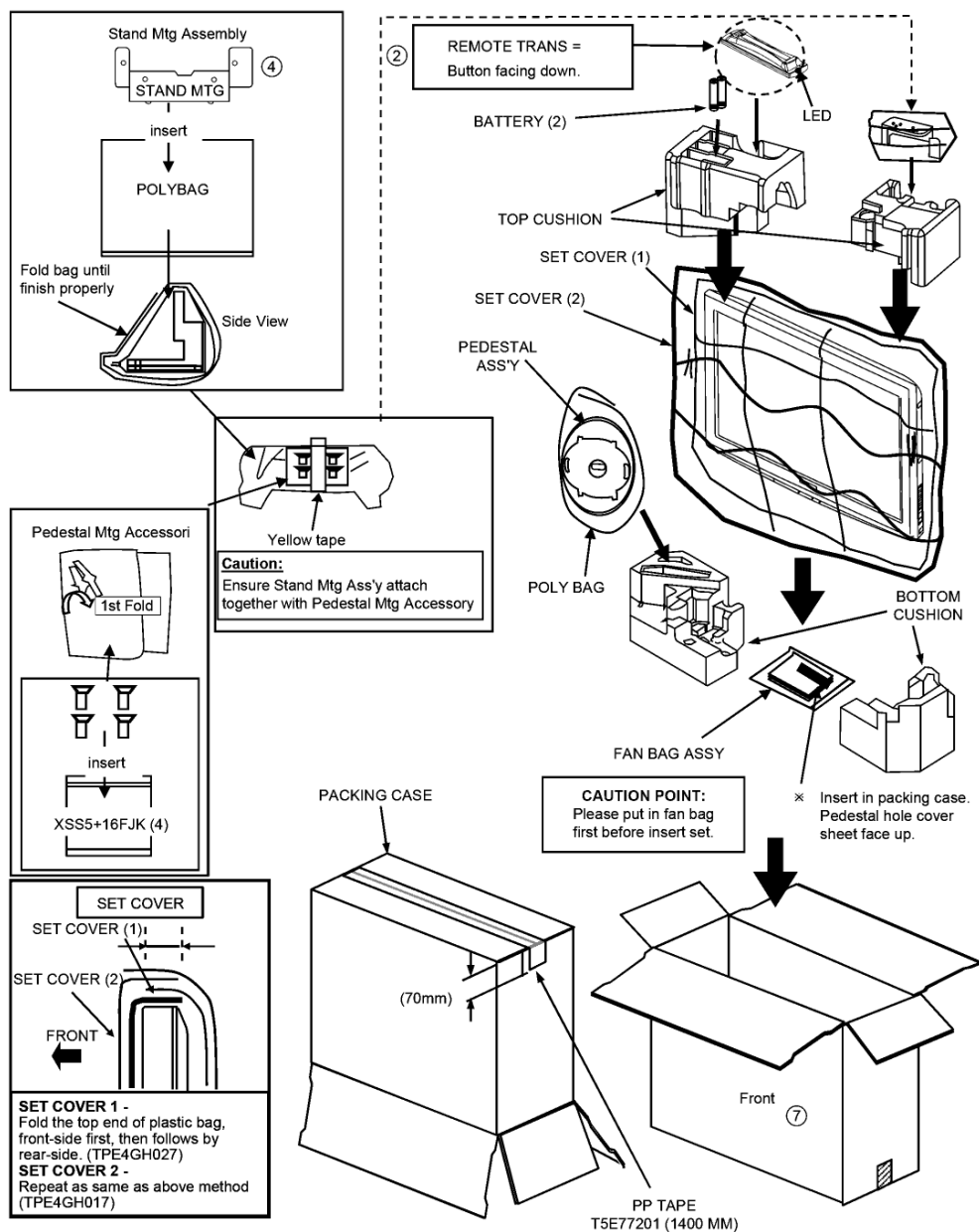
Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R9372	ERBSEIR50U	FUSE	
	R9373	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9376	D1BA2202A014	C 2.2KOHM ,J, 1/10W	
	R9377	D1BA2202A014	C 2.2KOHM ,J, 1/10W	
	R9378	D1BA2202A014	C 2.2KOHM ,J, 1/10W	
	R9381	D1BA1001A014	C 1KOHM ,J, 1/10W	
	R9382	D1BA1001A014	C 1KOHM ,J, 1/10W	
	R9383	D0GAR00Z0001	C 0OHM ,J, 1/10W	
	R9384	D0GAR00Z0001	C 0OHM ,J, 1/10W	
		TRANSFORMERS		
△	T7201	ETS32CZ129AD	SWITCHING TRANSFORMER	
△	T7301	G4DYA0000225	TRANSFORMER	
△	T7401	G4DYA0000211	TRANSFORMER	
		OTHERS		
	A02	K1KY04AA0719	CONNECTOR	
	A09	K1KA15AA0409	CONNECTOR	
	A10	K1KY08AA0719	CONNECTOR	
	A12	K1KA04AA0190	CONNECTOR	
	A15	K1KB51BA0074	CONNECTOR	
	CF7101	D4CAY3R9A004	COIL	
	CF7102	D4CAY3R9A004	COIL	
	CN0100	K1KA08AA0714	CONNECTOR	
△	F7001	K5D502BNA005	FUSE	
	F7001-1	K3GE1ZZ00001	FUSE HOLDER	
	F7001-2	K3GE1ZZ00001	FUSE HOLDER	
	FL4800	EXC28CE201U	CHOKE COIL	
	FL4801	EXC28CE201U	CHOKE COIL	
	FL4802	EXC28CE201U	CHOKE COIL	
	FL4804	EXC28CE201U	CHOKE COIL	
	FL4805	EXC28CE201U	CHOKE COIL	
	FL4806	EXC28CE201U	CHOKE COIL	
	FL8800	J0MAB0000140	CHIP FILTER	
	FL9001	EXC28CE900U	CHIP CHOKE COIL	
	FL9002	EXC28CE900U	CHIP CHOKE COIL	
	FL9003	EXC28CE900U	CHIP CHOKE COIL	
	FL9004	EXC28CE900U	CHIP CHOKE COIL	
	FL9005	EXC28CE900U	CHIP CHOKE COIL	
	FL9006	EXC28CE900U	CHIP CHOKE COIL	
	FL9007	EXC28CE900U	CHIP CHOKE COIL	
	FL9008	EXC28CE900U	CHIP CHOKE COIL	
	JK3300	K4AK10B00001	AV TERMINAL	
	JK3301C	K1U917A00001	AV TERMINAL	
	JK3304	K1FY315AA001	CONNECTOR	
	JK4700	K1FY119D0012	CONNECTOR	
	JK4701	K1FY119D0012	CONNECTOR	
	JK4702	K1FY119E0015	CONNECTOR	
	JK8801	K1FY104B0039	USB CONNECTOR	
	JK8850	K1NA12E00017	CONNECTOR	
	JS1005	D0GAR00Z0001	CHIP RESISTOR	
	JS1026	D0GAR00Z0001	CHIP RESISTOR	
	K01	K1KA04BA0047	CONNECTOR	
△	LF7002	G0B802H00009	LINE FILTER	
△	LF7003	G0B802H00009	LINE FILTER	
△	LF7004	G0B802H00009	LINE FILTER	
	P1	K1KY02A00001	CONNECTOR	
	P2	K1KA16AA0658	CONNECTOR	
	P3	K1KA10AA0191	CONNECTOR	
	P4	K1KA13AA0191	CONNECTOR	
△	PA5260	ERBSE5R00U	FUSE	
	PA7501	B1ZAZ0000016	TRANSISTOR	
△	PA9001	ERBSE5R00U	FUSE	
	PC7301	B3PAA0000363	PHOTO COUPLER	
	PC7401	B3PAA0000363	PHOTO COUPLER	
	PC7701	B3PAA0000363	PHOTO COUPLER	
△	RL7101	K6B1AYY00060	RELAY	
△	RL7102	K6B1AYY00060	RELAY	
	RM2500	PNJ4815M01TV	REMOCON SENSOR	
	SN2500	B3JB00000078	PHOTO DETECTOR	
△	SW2600	ESB33535XFD	POWER SWITCH	
	SW2601	K0H1BA000445	CONNECTOR	
	SW2602	K0H1BA000445	CONNECTOR	
	SW2603	K0H1BA000445	CONNECTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	SW2604	K0H1BA000445	CONNECTOR	
	SW2605	K0H1BA000445	CONNECTOR	
	TC01	K1MN60BA0126	CONNECTOR	
	TC04	K1MN60BA0126	CONNECTOR	
	TC05	K1KB51BA0074	CONNECTOR	
	TC06	K1KA03B00242	CONNECTOR	
⚠	TU2901C	ENG39F02GF	TUNER	
	V10	K1KA07B00135	CONNECTOR	
	X8000	H0J245500101	CRYSTAL OSC	
	X8001	H0J120500062	CRYSTAL OSC	
	X9001	H0J270500113	CRYSTAL OSC	
	X9201	H2D100500004	CERAMIC RESONATOR	
	ZA005	K4ZZ01000267	SHIELD CHIP	
	ZA006	K4ZZ01000267	SHIELD CHIP	
	ZA007	K4ZZ01000267	SHIELD CHIP	
	ZA009	K4ZZ01000267	SHIELD CHIP	
	ZA012	K4ZZ01000267	SHIELD CHIP	
	ZA7002	K4AD01A00002	CONNECTOR	
	ZA7003	K4AD01A00002	CONNECTOR	
	ZA7004	K4AD01A00002	CONNECTOR	
	ZA7005	K4AD01A00002	CONNECTOR	

Model No. : TH-L42S20R Parts Location



Model No. : TH-L42S20R Packing Exploded View 1

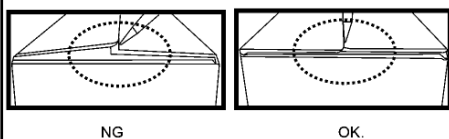


Model No. : TH-L42S20R Packing Exploded View 2

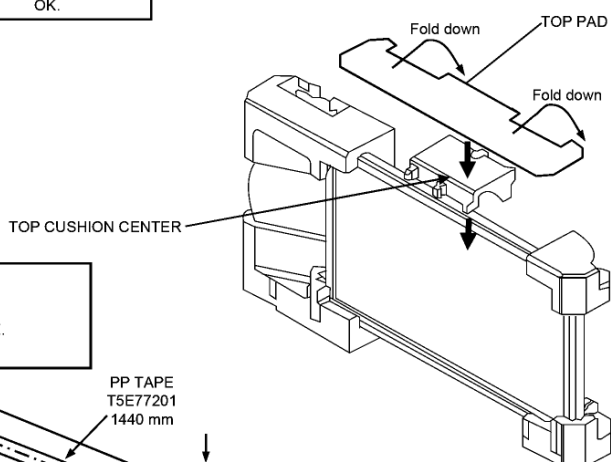
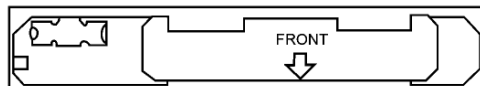
ASSEMBLY CONTENTS

- ① Put the TOP CUSHION CENTER (center of panel).
- ② Put the TOP PAD.

Caution point :
Make sure packing case top & bottom flap not overlap.

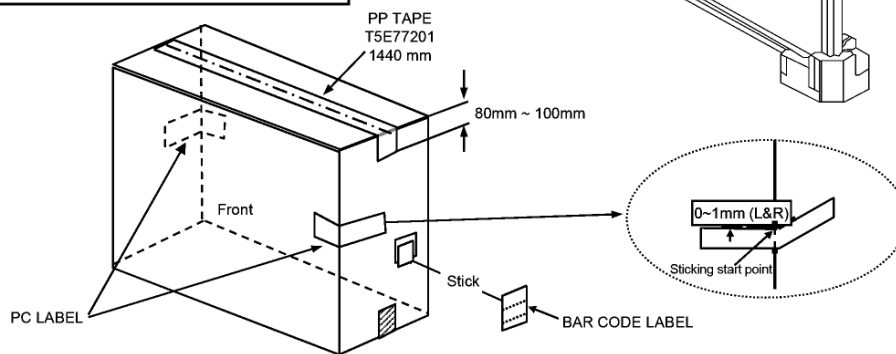


TOP VIEW



ASSEMBLY CONTENTS

- ① Stick the PP TAPE to close top flaps.
- ② Stick BAR CODE LABEL on PACING CASE.
- ③ Stick PC LABEL on PACKING CASE.



< CAUTION >

Ensure to scan barcode of model number at:

- 1) PC label
- 2) Bar code label

Ensure both model number barcode exactly matching.

BAR CODE LABEL

Rub evenly at least twice to ensure proper sticking

Model No. : TH-L42S20R Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		K2CQ2YY00070	AC POWER CORD		
		L0AA14B00006	SPEAKER UNIT		
	1	L5EDDAT00006	LCD PANEL		
	2	N2QAYB000399	REMOTE CONTROL		
	3	TBL4GA0045	PEDESTAL ASSY		
	4	TBL4GX0009	STAND MTG ASSY		
		TBM4GC520	MODEL NAME PLATE		
		TBX4GA01101A	CONTROL BUTTON		
		TBX4GA01201C	POWER BUTTON		
		TKK4GC5024-1	LED PANEL		
		TKP4GA02601A	CONTROL PANEL BRACKET		
		TKP4GA03801	SIDE AV BRACKET		
		TKX4GA03201A	SP BRACKET L		
		TKX4GA03301A	SP BRACKET R		
		TMX4GX001	AC CORD BRACKET		
	RTL	TZT/A10QGG	A PRINT ASSY		
	RTL	TNP4G478AH	P BOARD		
	RTL	TNPA4901BQ	K BOARD		
	RTL	TNPA5129EH	TC BOARD		
	RTL	TNPA5134BA	V BOARD		
		TPD4GA0148-3	TOP CUSHION		
		TPD4GA0149-1	BOTTOM CUSHION		
		TPD4GA0152-2	TOP CENTER CUSHION		
		TPE4GH033	SET COVER		
		TQZ4GB321-1	FAN BAG ASSY		
		TSXM098	MINI LVDS		
	5	TTU4GA0421-1	BACK COVER ASSY		
	6	TTY4GA0196	CABINET ASSY		
	7	TXFPC010QGGA	PACKING CASE ASSY		
		TXJA15QKD	LVDS CABLE		