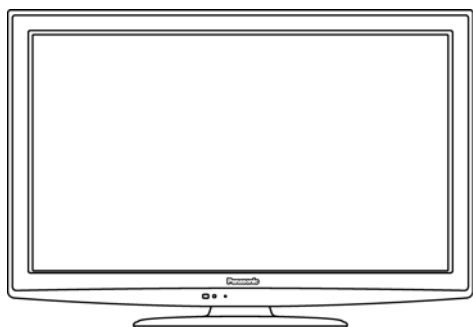


# Service Manual

32 inch Class 720p LCD HDTV

Model No. **TC-L32C22**


Chassis: LA03



## **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  $\infty$ .

### 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 $\mu$ 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.

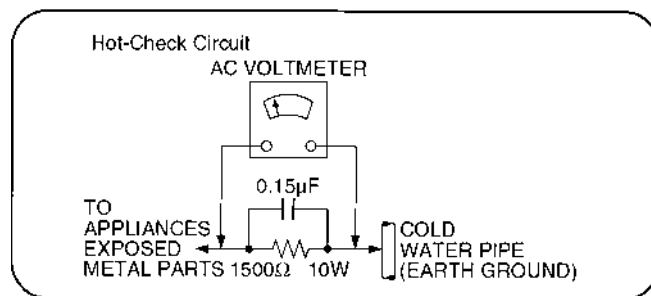


Figure 1

## 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).

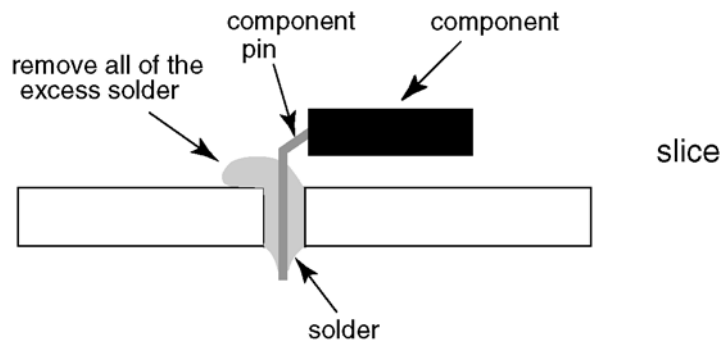
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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)



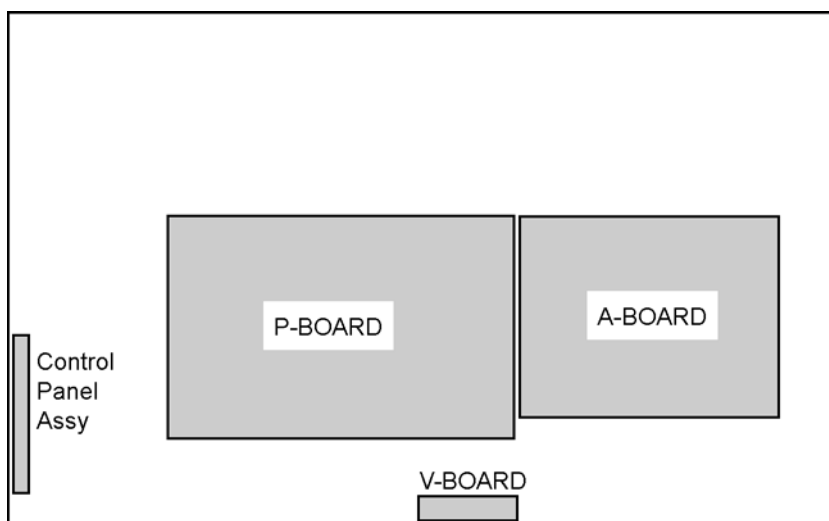
### Suggested Pb free solder

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 Name	Function
A-Board	Rear Terminal, AV Switch, MCU, Audio & Video Processor, LVDS, Tuner
V-Board	Remote Receiver, LED
P-Board	Power (AC/DC), DC-DC
Control Panel Assy	Control Button, Power switch, (K BOARD)

### 3.2. Applicable signals

#### Input signal that can be displayed

\* Mark: Applicable input signal for Component (Y, P<sub>B</sub>, P<sub>R</sub>), HDMI and PC

	horizontal frequency (kHz)	vertical frequency (Hz)	COMPONENT	HDMI	PC
525 (480) / 60i	15.73	59.94	*	*	
525 (480) /60p	31.47	59.94	*	*	
750 (720) /60p	45.00	59.94	*	*	
1,125 (1,080) /60i	33.75	59.94	*	*	
640 × 400 @70	31.47	70.08			*
640 × 480 @60	31.47	59.94			*
Macintosh13 inch (640 × 480)	35.00	66.67			*
640 × 480 @75	37.50	75.00			*
852 × 480 @60	31.47	59.94			*
800 × 600 @60	37.88	60.32			*
800 × 600 @75	46.88	75.00			*
800 × 600 @85	53.67	85.08			*
Macintosh16 inch (832 × 624)	49.73	74.55			*
1,024 × 768 @60	48.36	60.00			*
1,024 × 768 @70	56.48	70.07			*
1,024 × 768 @75	60.02	75.03			*
1,024 × 768 @85	68.68	85.00			*
Macintosh 21 inch (1,152 × 870)	68.68	75.06			*
1,280 × 768 @60	47.70	60.00			*
1,280 × 1,024 @60	63.98	60.02			*
1,366 × 768 @60	48.36	60.00			*

#### Note:

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.

## 4 Specifications

<b>Power Source</b>	AC 110-127 V, 60 Hz	
<b>Power Consumption</b>		
<b>Maximum</b>	100 W	
<b>Standby Condition</b>	0.3 W	
<b>Display panel</b>		
<b>Aspect Ratio</b>	16:9	
<b>Visible screen size</b>	32" class (31.5 inches measured diagonally)	
<b>(W × H × Diagonal)</b>	27.5" × 15.4" × 31.5" (698 mm × 392 mm × 800 mm)	
<b>(No. of pixels)</b>	1,049,088 (1,366 (W) × 768 (H)) [4,098 × 768 dots]	
<b>Sound</b>		
<b>Speaker</b>	1-way 2 speaker slim under SP system	
<b>Audio Output</b>	20 W [10 W + 10 W] (10% THD)	
<b>PC signals</b>	VGA, SVGA, XGA, WXGA, SXGA	
	Horizontal scanning frequency 31 - 69 kHz	
	Vertical scanning frequency 59 - 86 Hz	
	VHF/ UHF: 2 - 69, CATV: 1 - 135	
<b>Channel Capability- ATSC/NTSC (Digital/Analog)</b>		
<b>Operating Conditions</b>	Temperature:	32 °F - 95 °F (0 °C - 35°C)
	Humidity:	20 % - 80 % RH (non-condensing)
<b>Connection Terminals</b>		
<b>VIDEO IN 1-2</b>	VIDEO:	RCA PIN Type × 1 1.0 V [p-p] (75 Ω)
	AUDIO L - R:	RCA PIN Type × 2 0.5 V [rms]
<b>COMPONENT IN</b>	Y:	1.0 V [p-p] (including synchronization)
	P <sub>B</sub> , P <sub>R</sub> :	±0.35 V [p-p]
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
<b>HDMI 1-2</b>	TYPE A Connector × 2	
	• This TV supports "HDAVI Control 5" function.	
<b>PC</b>	D-SUB 15PIN:	R,G,B / 0.7 V [p-p] (75 Ω)
		HD, VD / 1.0 - 5.0 V [p-p] (high impedance)
<b>Card slot</b>	SD CARD slot × 1	
<b>DIGITAL AUDIO OUT</b>	PCM / Dolby Digital, Fiber Optic	
<b>FEATURES</b>	3D Y/C FILTER, CLOSED CAPTION, V-Chip, HDAVI Control 5 Vesa compatible, VIERA IMAGE VIEWER	
<b>Dimensions (W × H × D)</b>		
<b>Including TV stand</b>	31.5" × 21.7" × 8.6" (798 mm × 551 mm × 217 mm)	
<b>TV Set only</b>	31.5" × 20.2" × 3.7" (798 mm × 511 mm × 93 mm)	
<b>Mass</b>		
<b>Including TV stand</b>	24.3 lb. (11.0 kg) NET	
<b>TV Set only</b>	21.0 lb. (9.5 kg) NET	

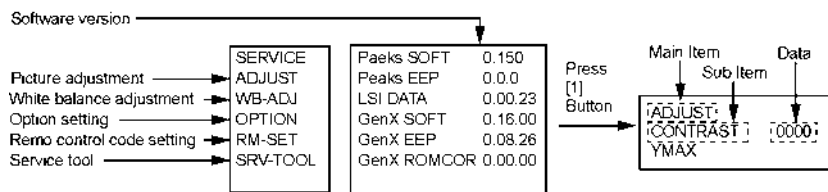
### Note

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. Key command

[1] button...Main items Selection in forward direction

[2] button...Main items Selection in reverse direction

[3] button...Sub items Selection in forward direction

[4] button...Sub items Selection in reverse direction

[VOL] button...Value of sub items change in forward direction ( + ), in reverse direction ( - )

#### 5.1.2. 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.

#### 5.1.3. 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. 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] : Vol. [Down] + [REMOTE] : INPUT (3 times)

Then, the Hotel mode setup menu is displayed.

#### Hotel Mode

Mode	Off
Input	-
Channel	-
Volume	+ 25
Vol. Max	+ 100
OSD Ctrl	Off
FP Ctrl	Off
Pow Ctrl	Off



#### 3. To exit the Hotel mode setup menu

Disconnect AC power cord from wall outlet.

#### 4. Explain the Hotel mode setup menu

item	Function
Mode	Select hotel mode off/on
Input	Select input signal modes. Set the input, when each time power is switched on. Selection: -/RF/Component/HDMI1/HDMI2/HDMI3/Video1/Video2/PC • Off: give priority to a last memory.
Channel	Select channel when input signal is RF. Set the channel, each time power is switched on. Selection: Any channel number or [-]. [-] means the channel when turns off.
Volume	Adjust the volume when each time power is switched on. Range: 0 to 100
Vol. Max	Adjust maximum volume. Range: 0 to 100
OSD Ctrl	Restrict the OSD. Selection: OFF/PATTERN1 • OFF: No restriction • PATTERN1: restriction
FP Ctrl	Select front key conditions. Selection: Off/Pattern1/All • Off: altogether valid. • Pattern1: only input key is valid. • All: altogether invalid.
Pow Ctrl	Select POWER-ON/OFF condition when AC power cord is disconnected and then connected. OFF: The same condition when AC power cord is disconnected. ON: Forced power ON condition.

## 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:

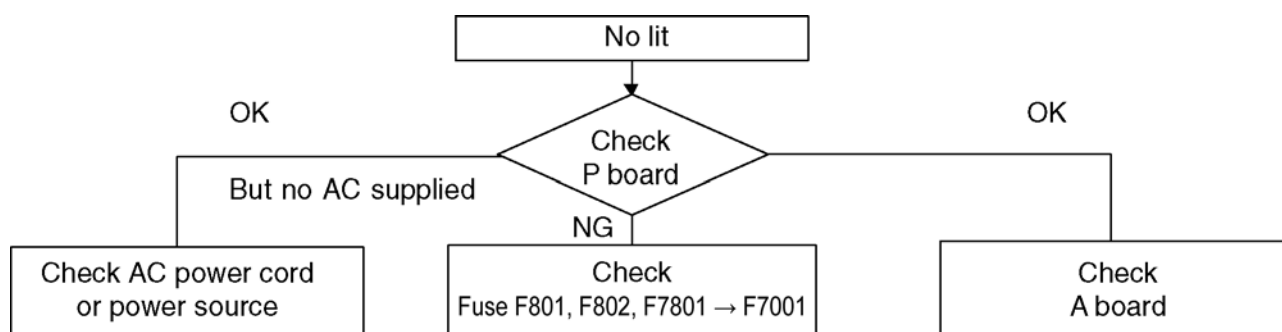
Blinking times	Contents	BOARD
1	BACK LIGHT_SOS	P BOARD
3	PANEL POWER_SOS	A BOARD
4	DTV12V_SOS	P/A BOARD
7	SUB 3.3V_SENSE	A BOARD
9	SOUND SOS	A BOARD
13	EMERGENCY_SOS	A BOARD

## 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.)

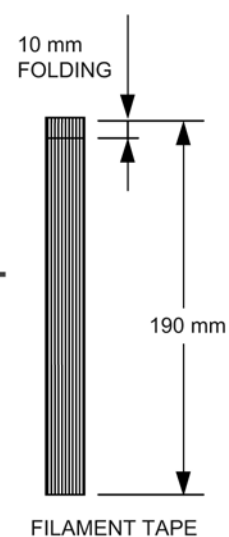
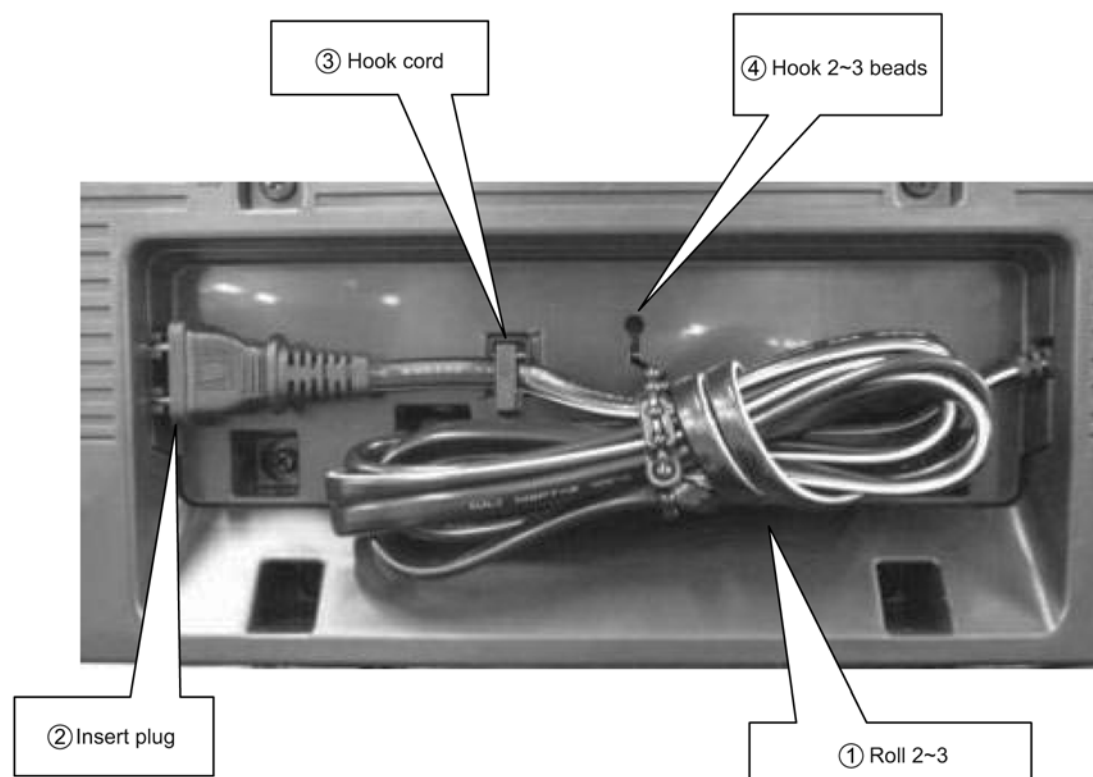


## 7 Disassembly and Assembly Instructions

### 7.1. AC Cord

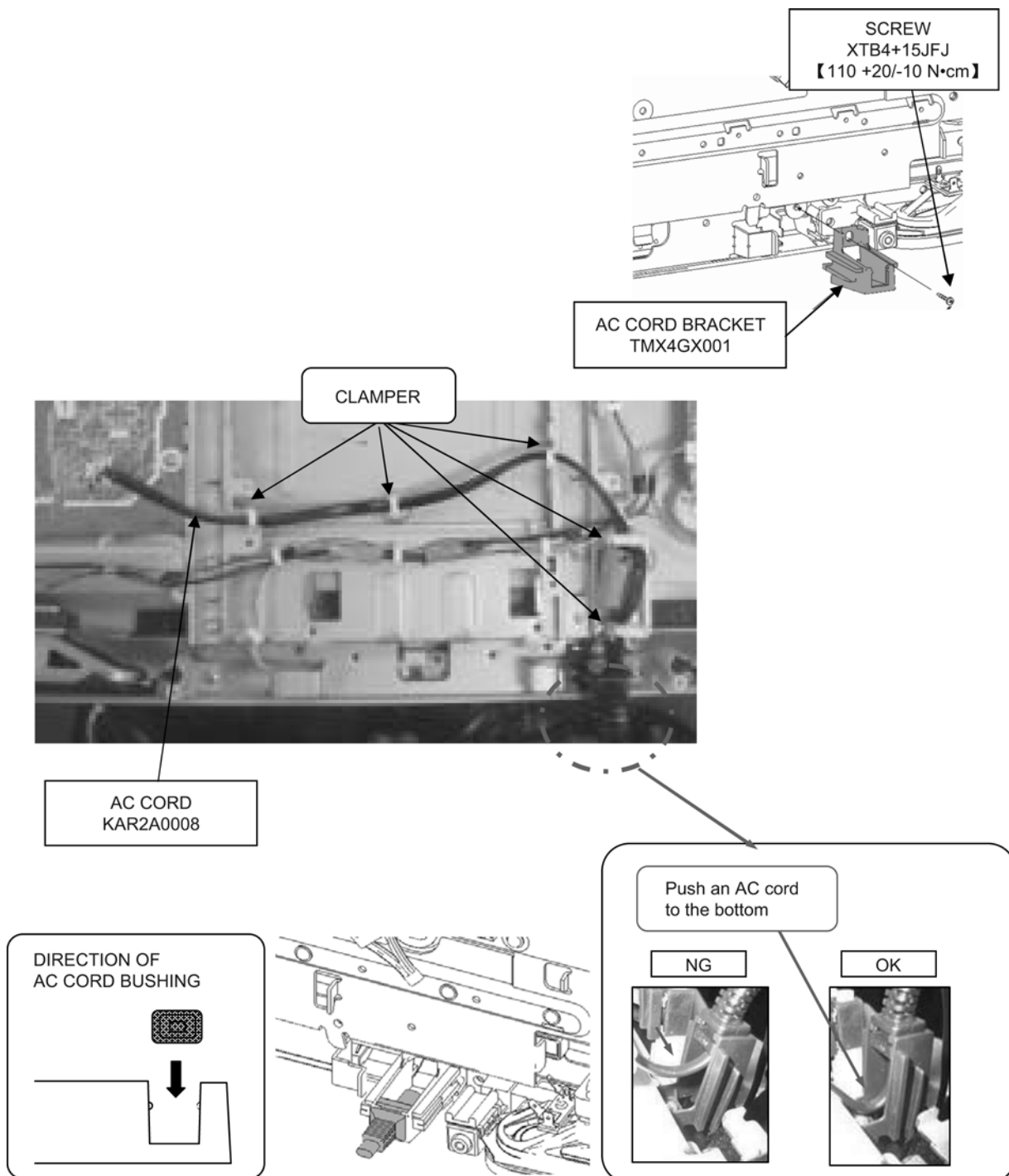
TREATMENT AC CORD.

【AC cord dressing】 Oder: ①→②→③→④



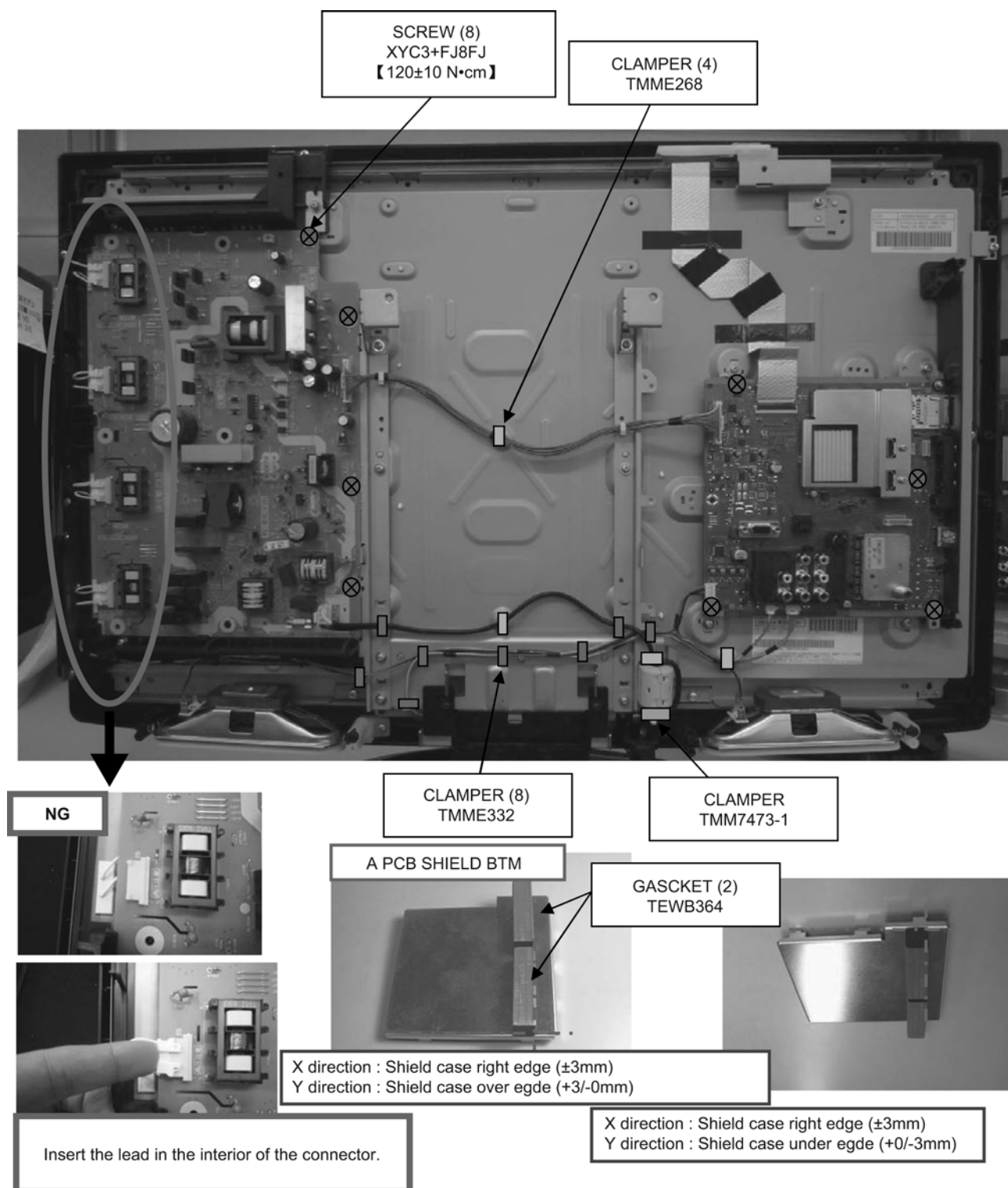
## 7.2. AC Cord Installation

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 code is pushed into the bottom of the bracket.



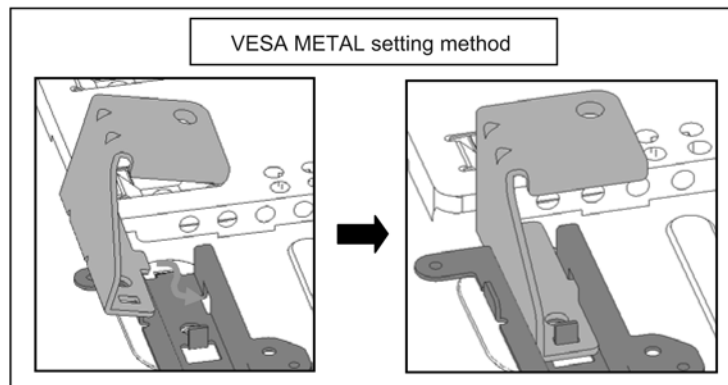
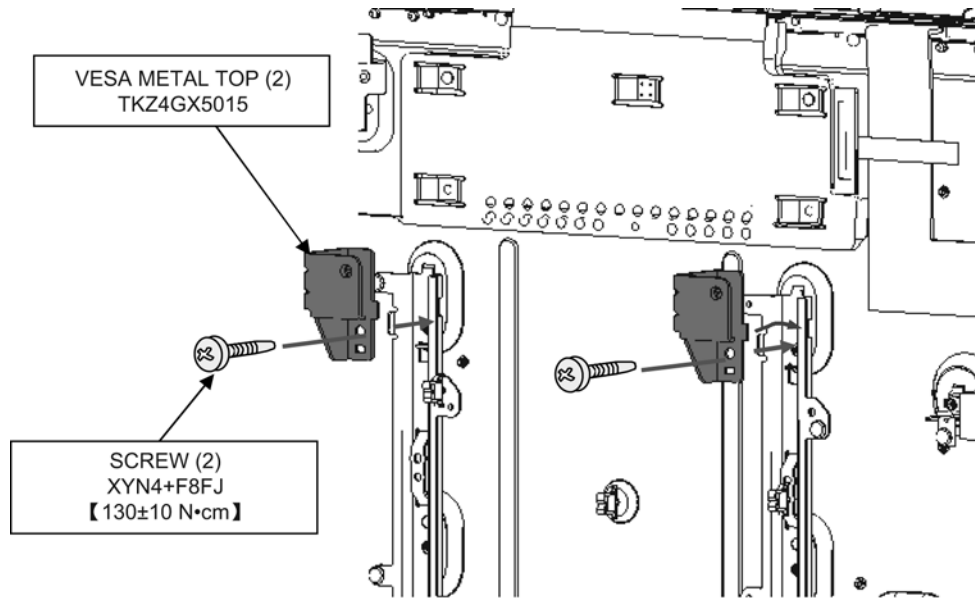
### 7.3. PCB and Clamper Assembly

1. Setting the SUPPORT MOLD A on the P-PCB.
2. Put the P-PCB, A-PCB on the A-PB-MTG METAL.
3. Fix them with SCREWS.
4. Setting the CLAMPER.
5. Insert inv-lead in P PCB.



## 7.4. VESA Metal Installation

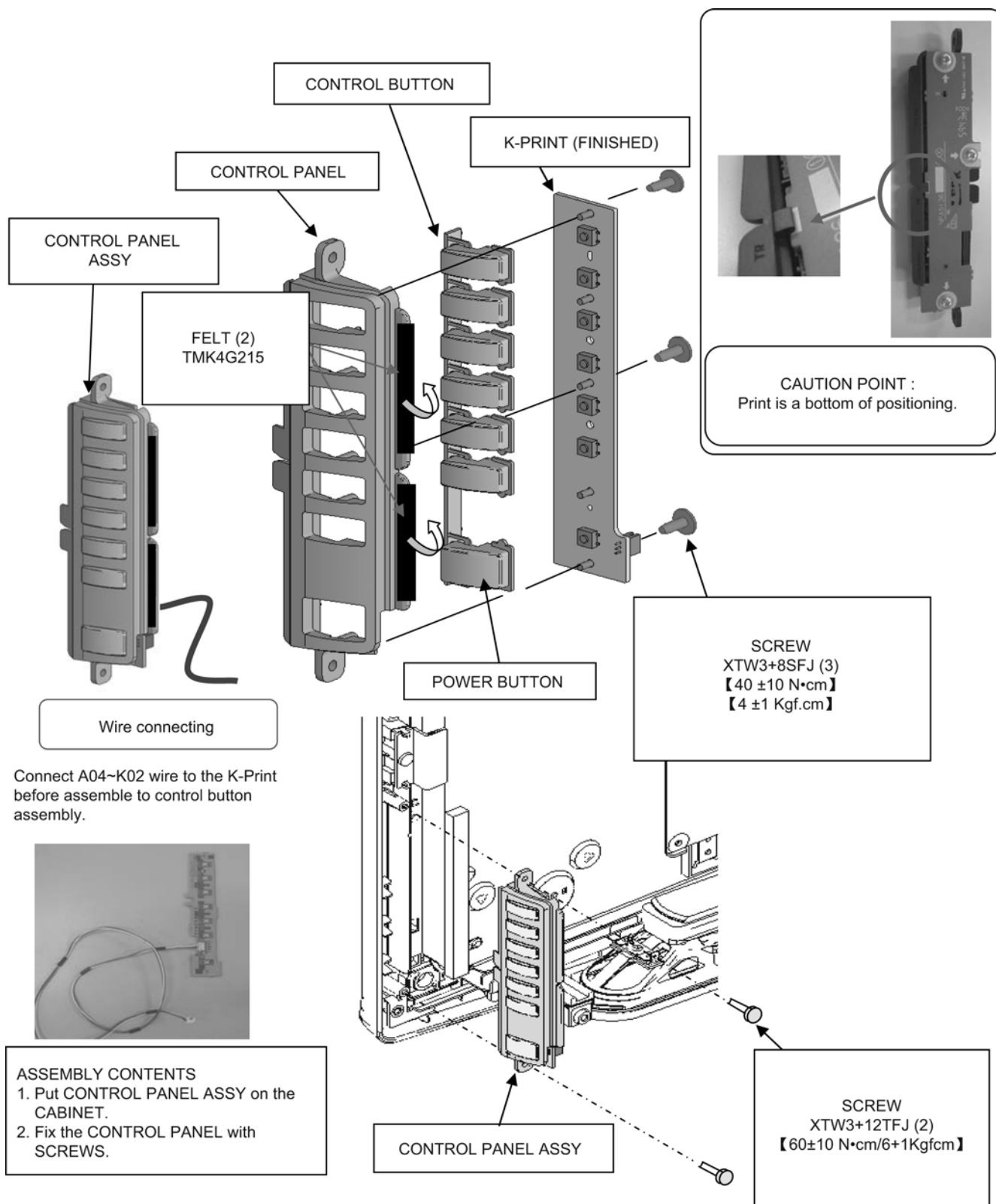
1. Put VESA METAL on the METAL SUPPOUT.
2. Fix them with SCREW.





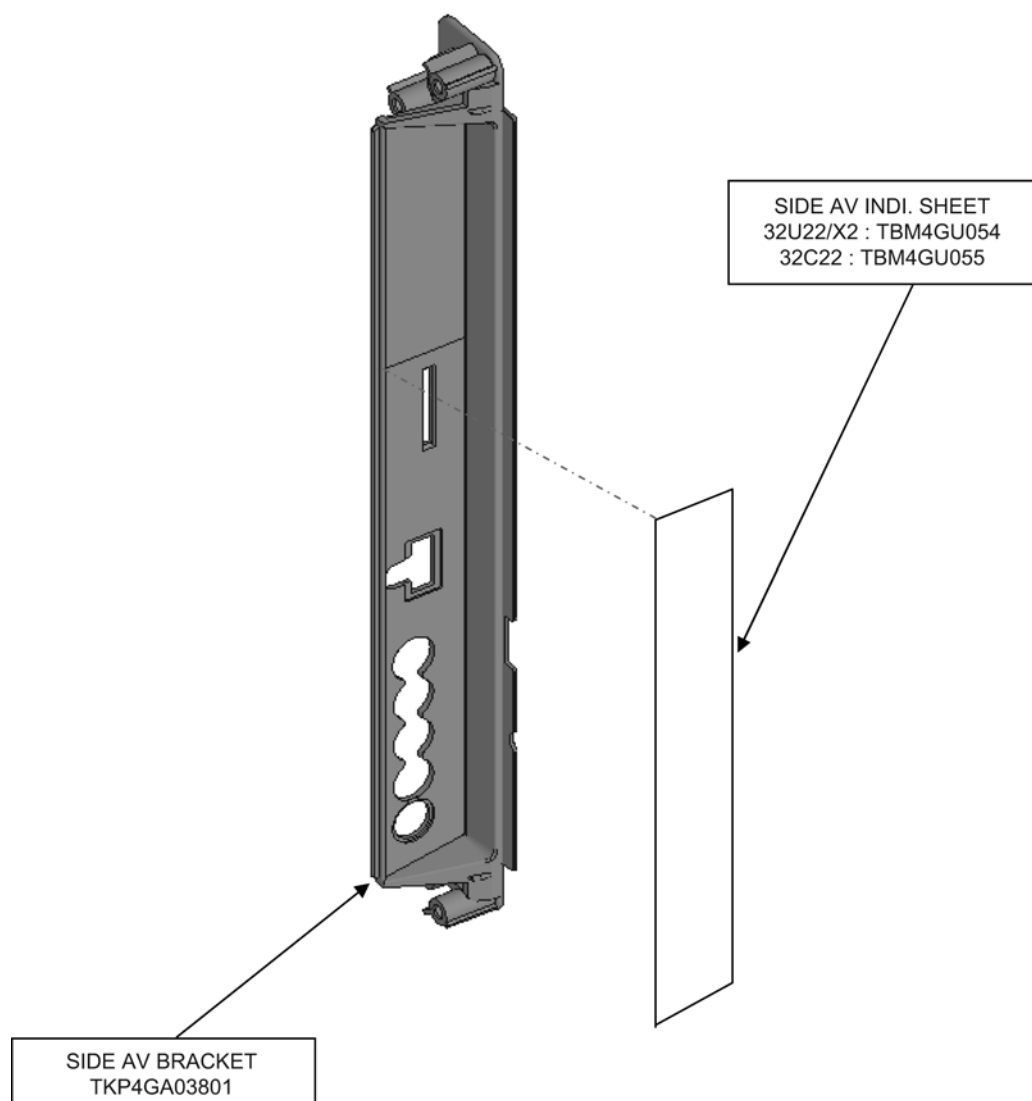
## 7.5. Control Panel Assembly

1. Wire connecting.
2. Assemble K-PRINT, CONTROL BUTTON, CONTROL PANEL BRACKET.
3. Fix them with SCREWS.

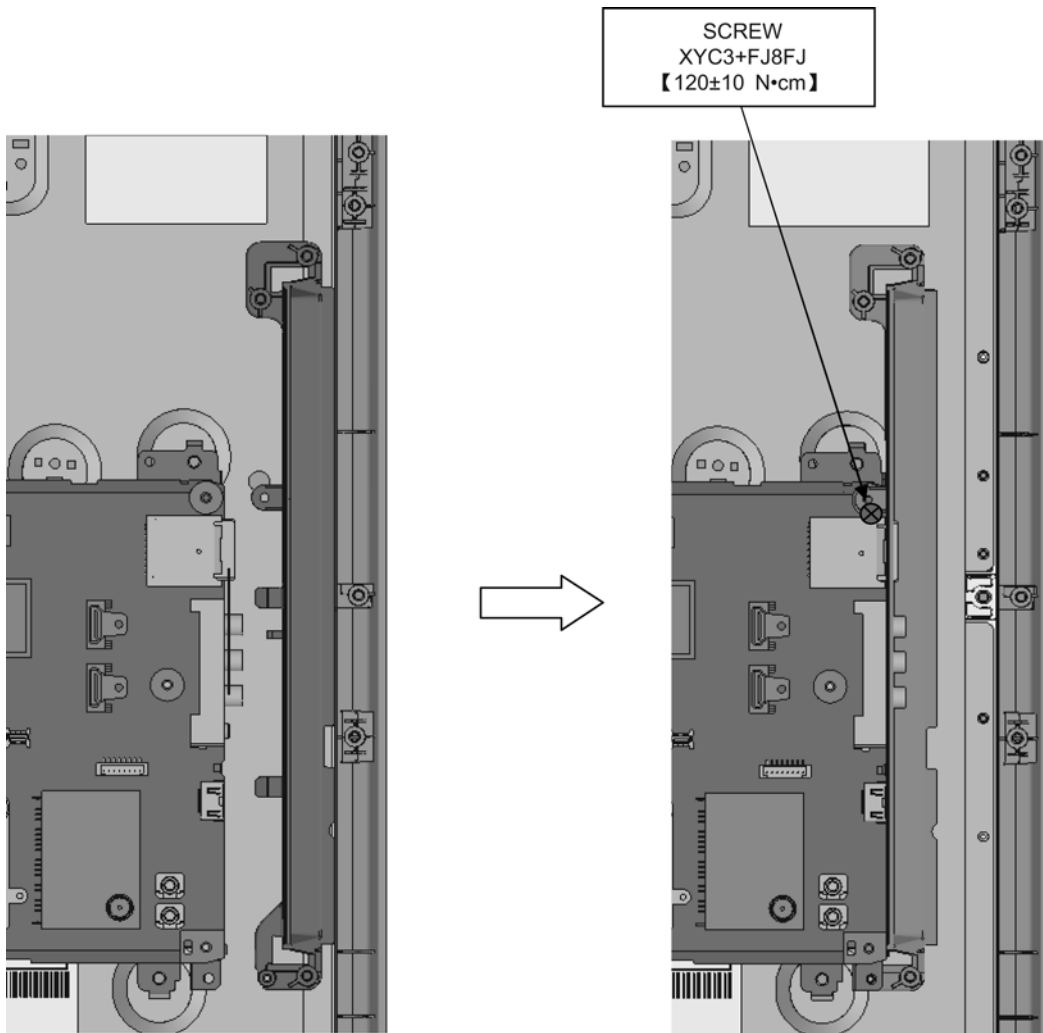


## 7.6. Side AV Bracket Assembly

Stick the SIDE AV INDI. SHEET on the SIDE AV BRACKET.

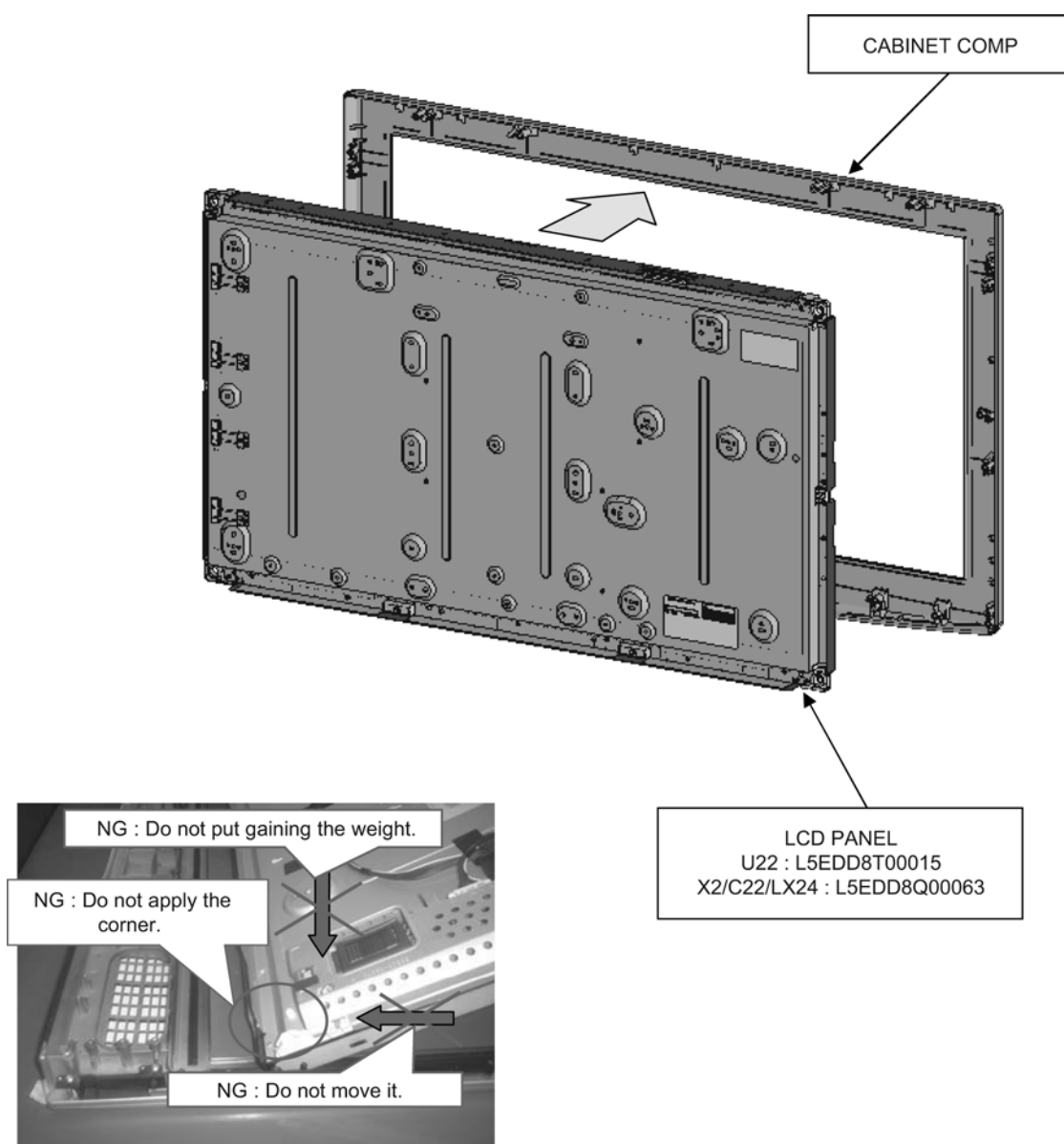


## 7.7. Side AV Assembly Installation



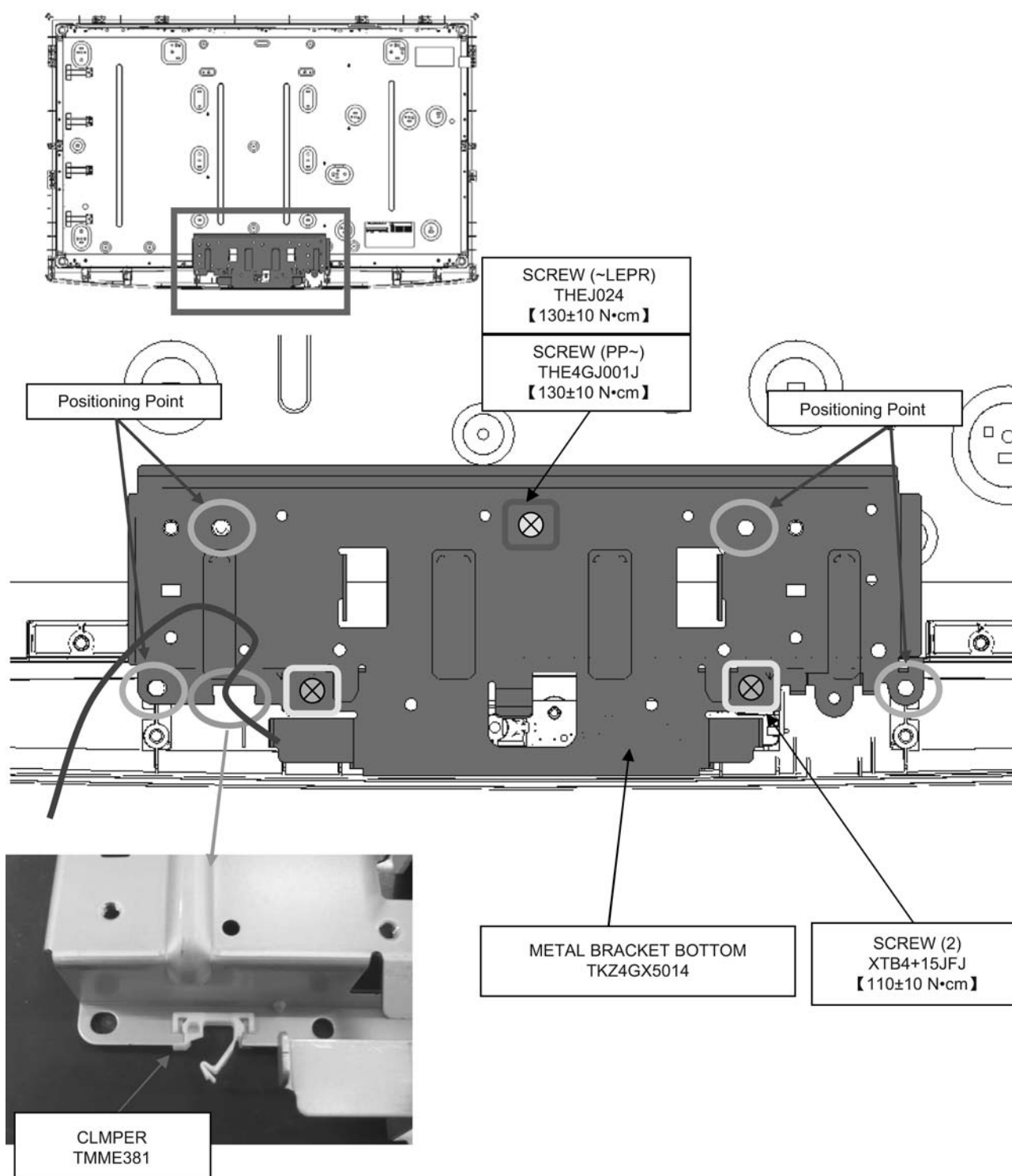
## 7.8. LCD Panel Installation

Put LCD PANEL on the CABINET.



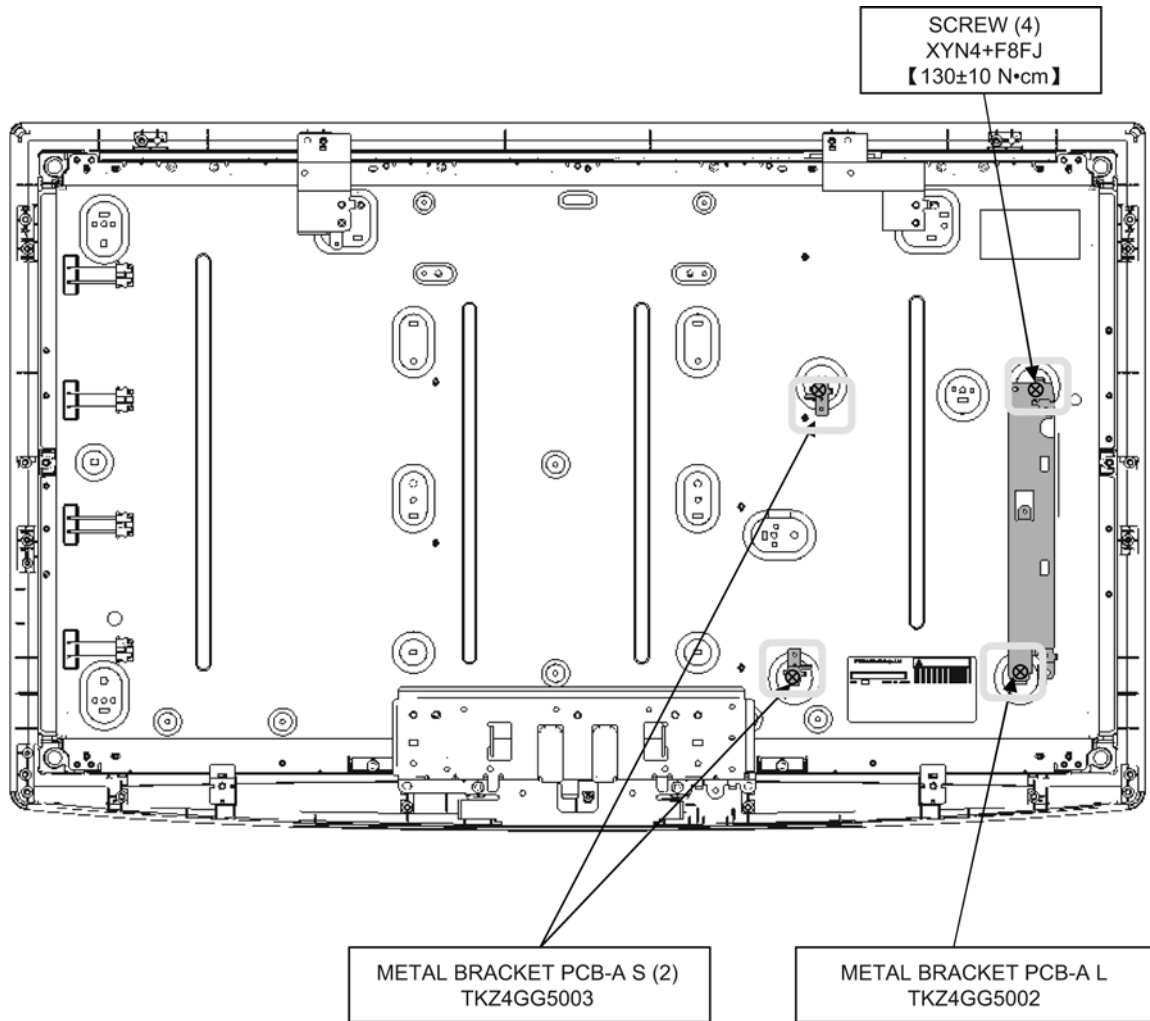
## 7.9. LCD MTG Installation

1. Put clumper on METAL BRACKET BOTTOM.
2. Put METAL BRACKET BOTTOM on the LCD PANEL.
3. Fix them with screw.
4. wire dressing and lock CLAMPER.



## 7.10. PB MTG Installation

1. Put METAL BRACKET on the LCD PANEL.
2. Fix them with SCREW.

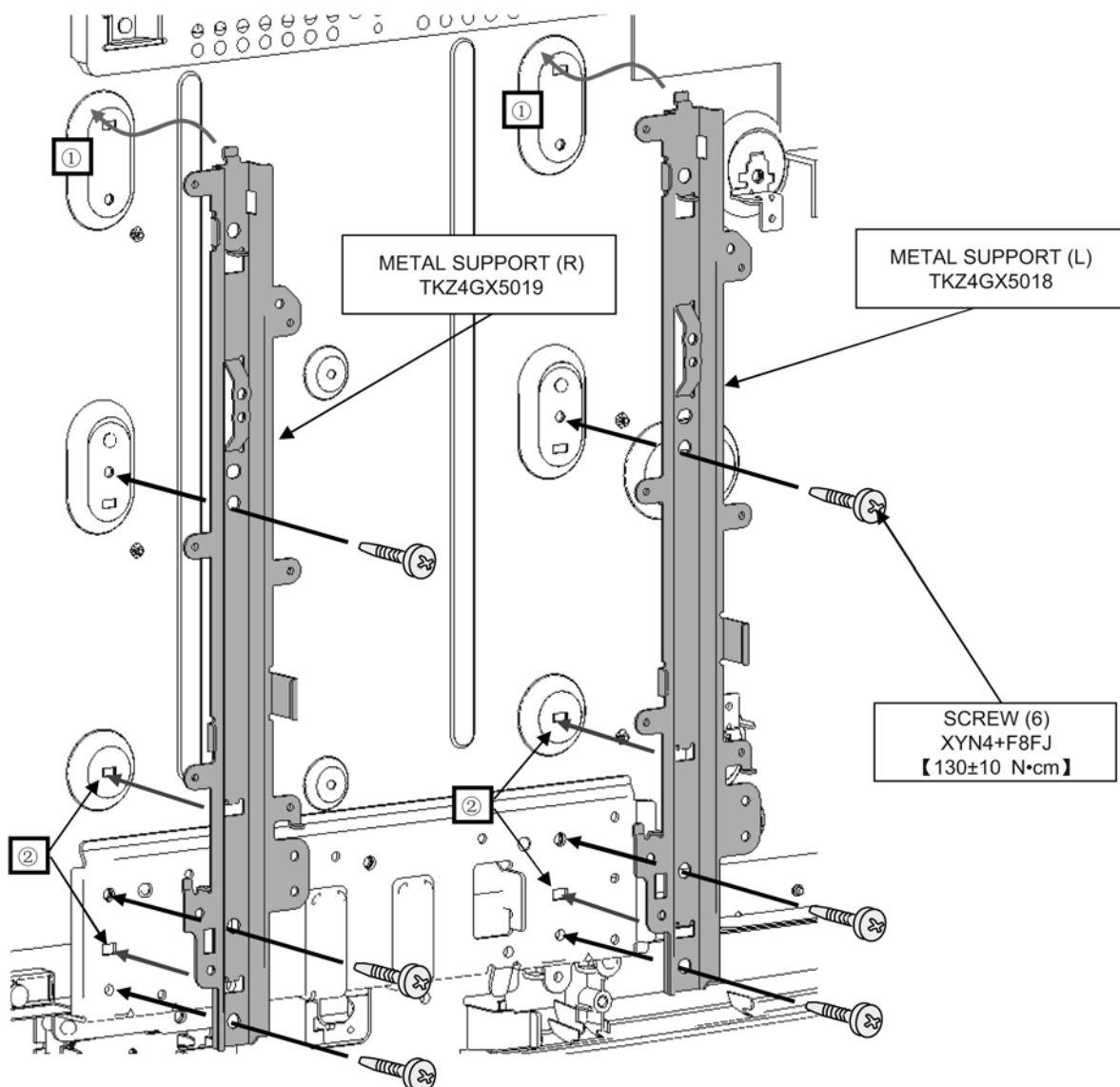


## 7.11. Metal Support Installation

1. Metal Support on the LCD PANEL.

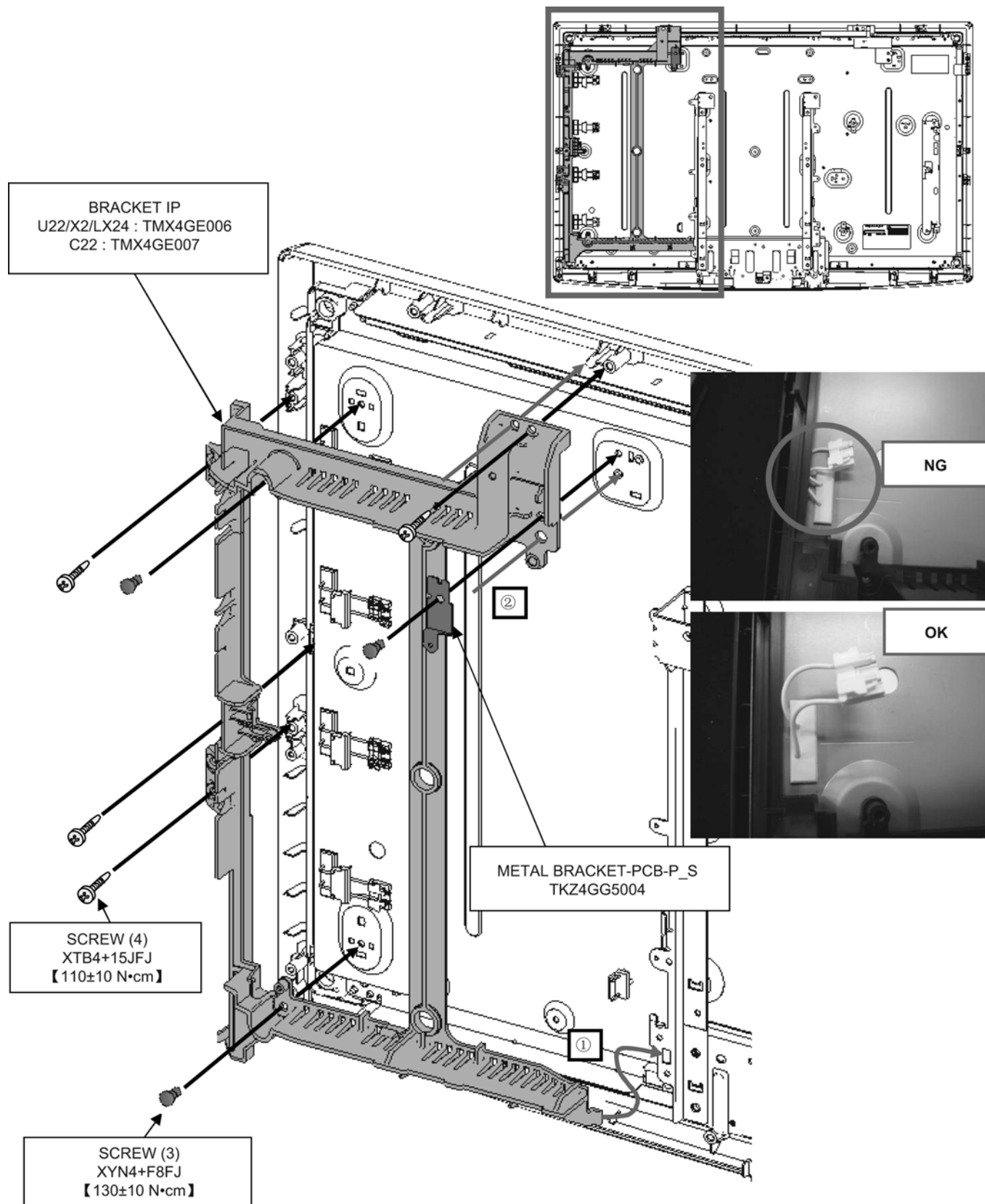
(insert positioning. ①→②)

2. Fix them with SCREW.



## 7.12. Bracket IP Installation

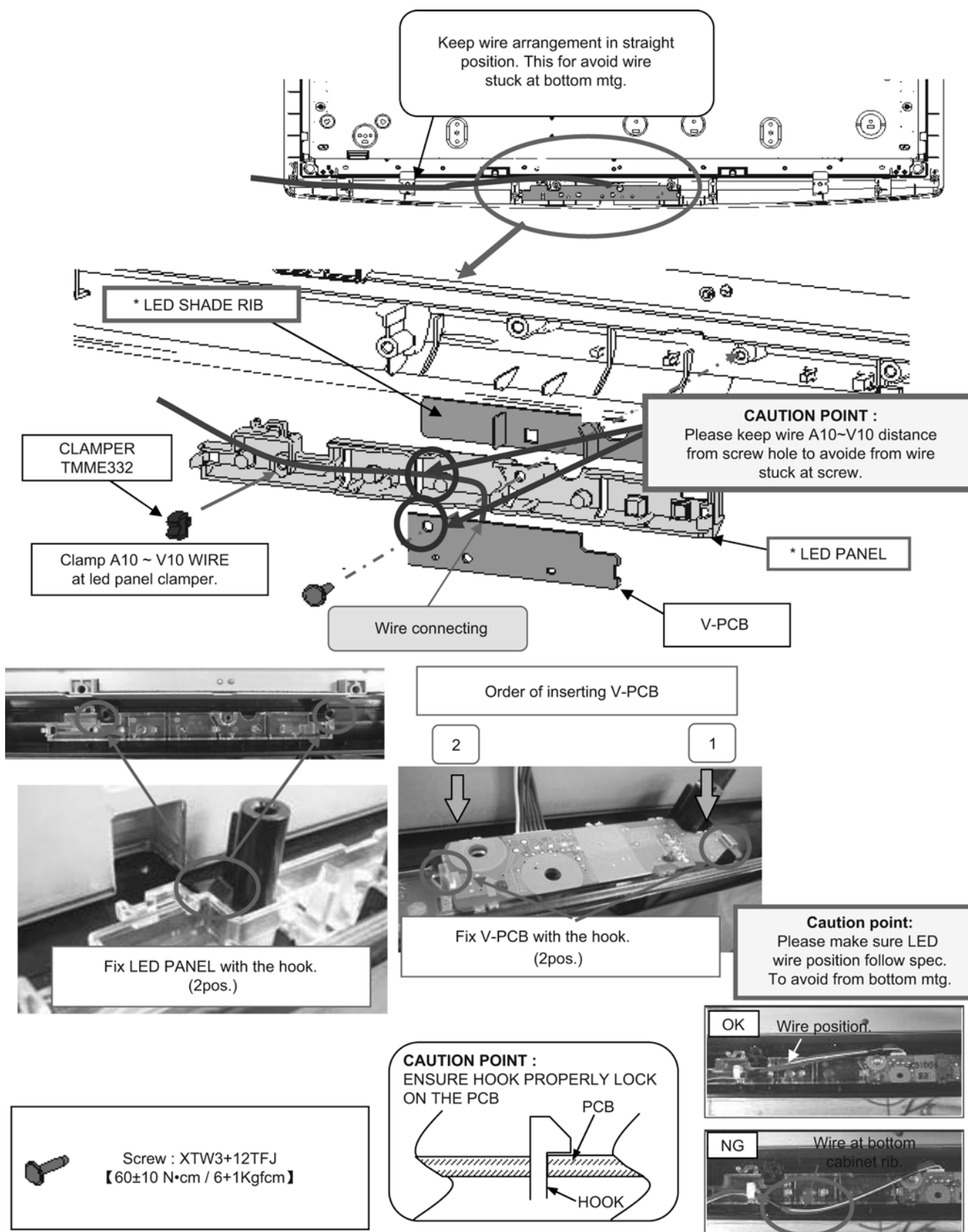
1. Put Metal Support on the LCD PANEL.  
(insert positioning. ①→②)
2. Fix them with SCREW.





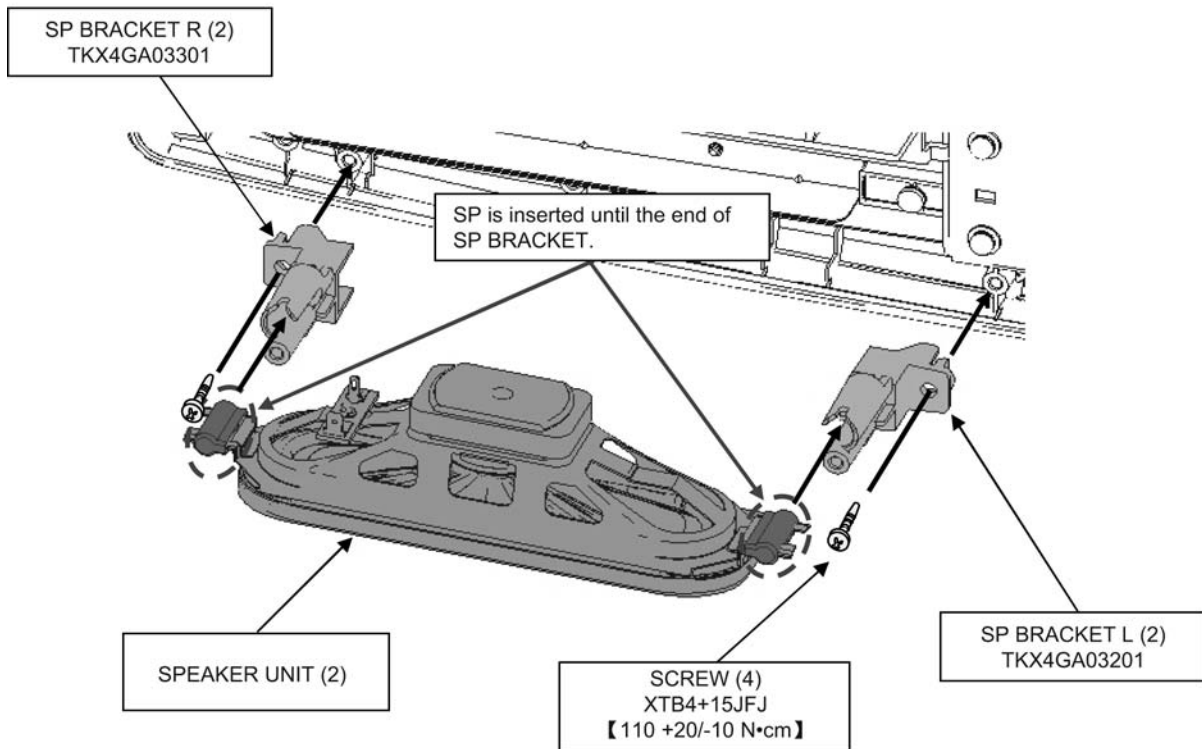
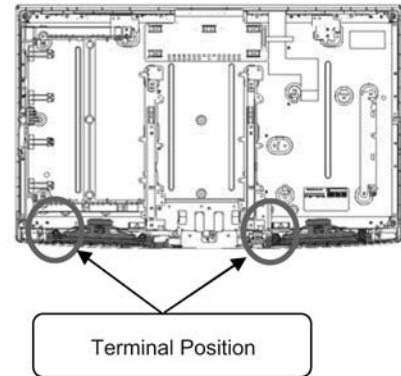
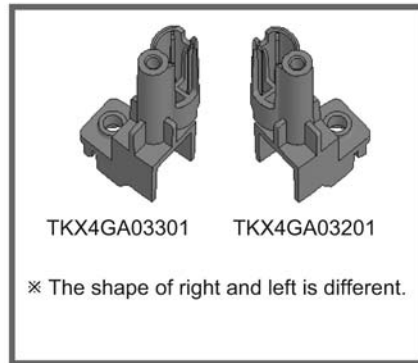
## 7.13. LED Panel Installation

1. Put LED SHADE RIB to CABINET.
2. Fix LED PANEL on CABINET.
3. Insert an A10-V10 lead connector in V-Print.
4. Put V-PCB on LED PANEL.
5. Fix LED PANEL ass'y with SCREW.
6. Insert the CLAMPER.



## 7.14. SP Installation

1. Put SP BRACKET on the CABINET.
2. Fix them with SCREW.
3. Set the SPEAKER UNIT.

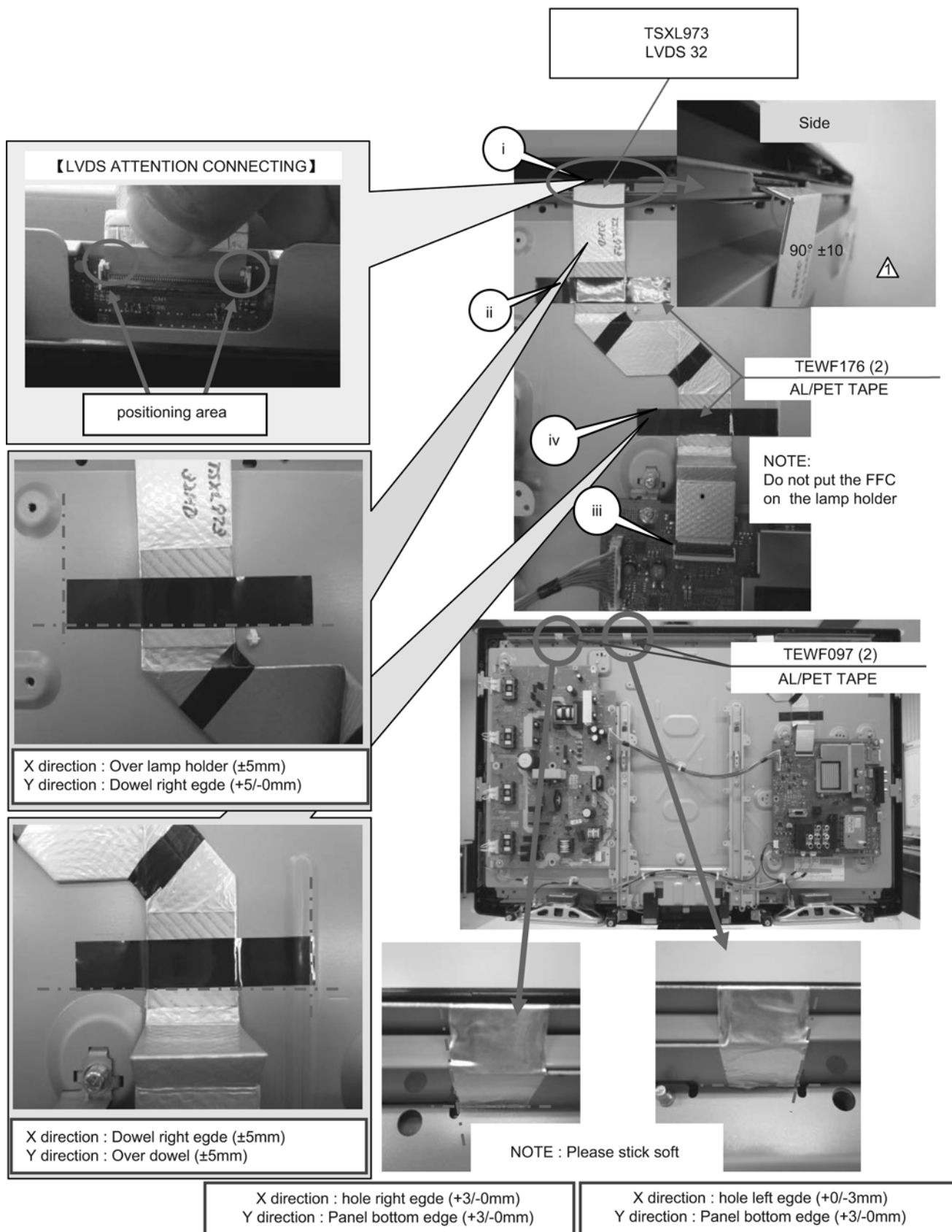


## 7.15. EMI Installation

1. Put LVDS HARNESS to LCD PANEL with PET/AL-TAPE.

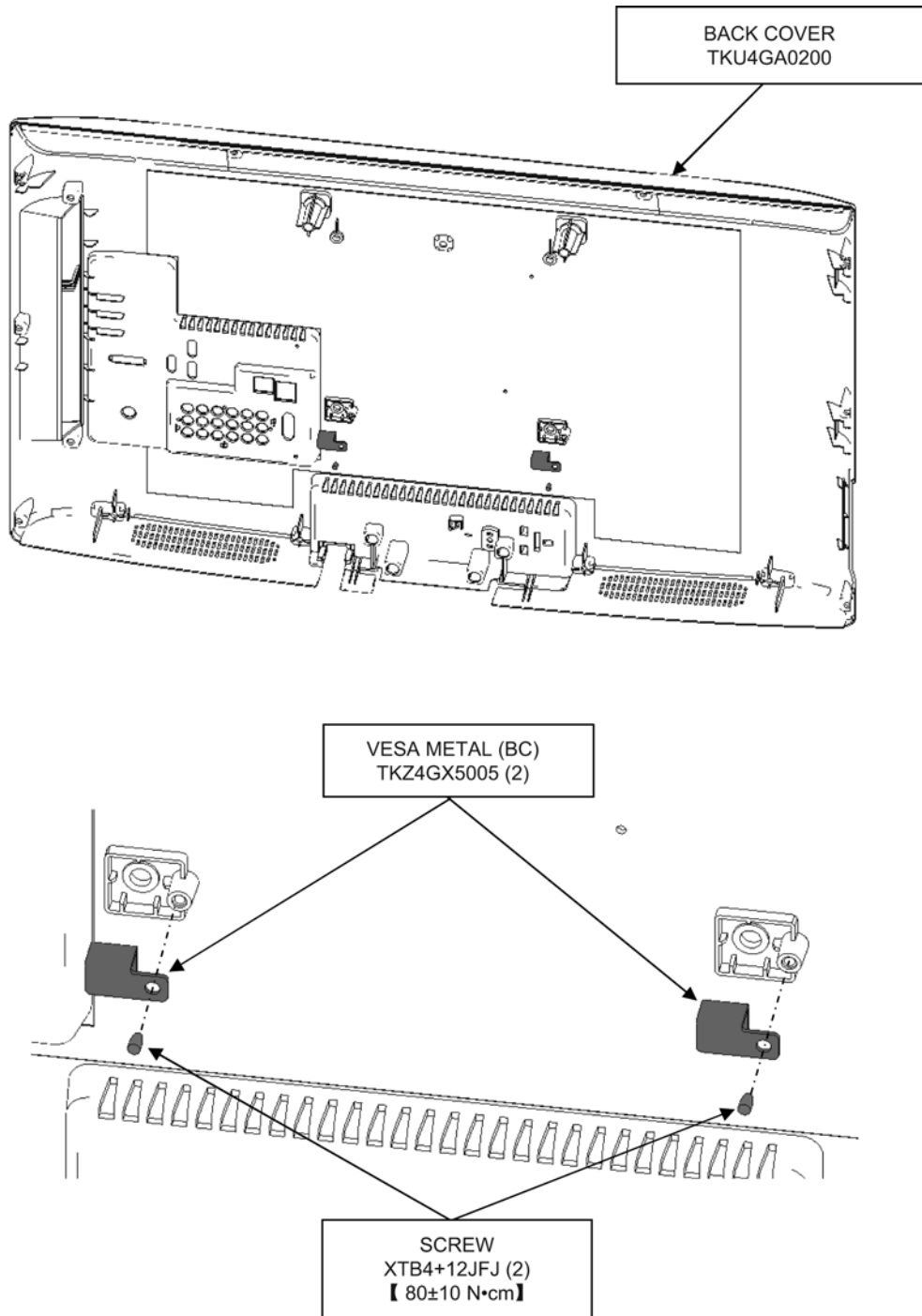
i → ii → iii → iv

2. Put PET/AL-TAPE on LCD PANEL.



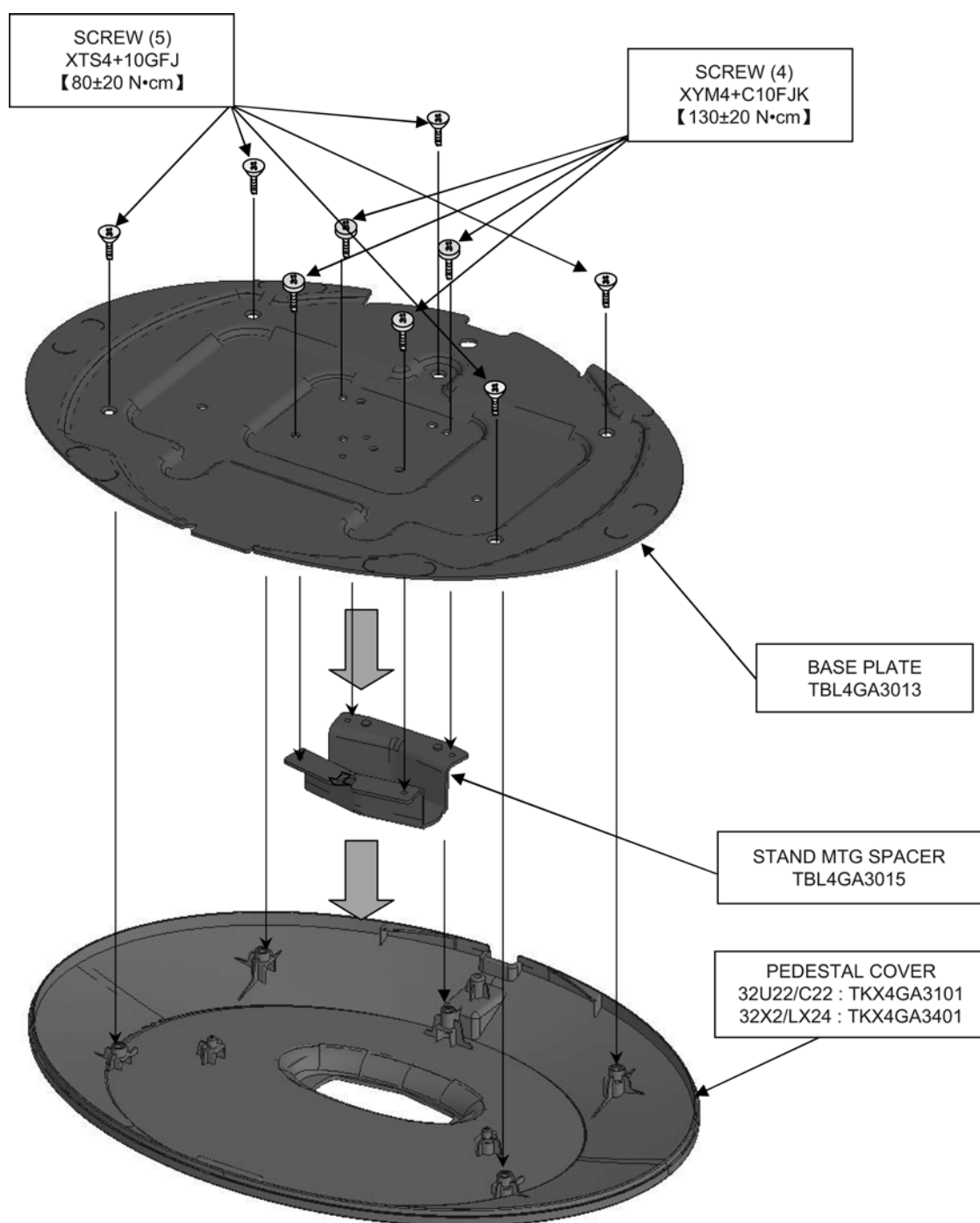
## 7.16. Back Cover Assembly

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



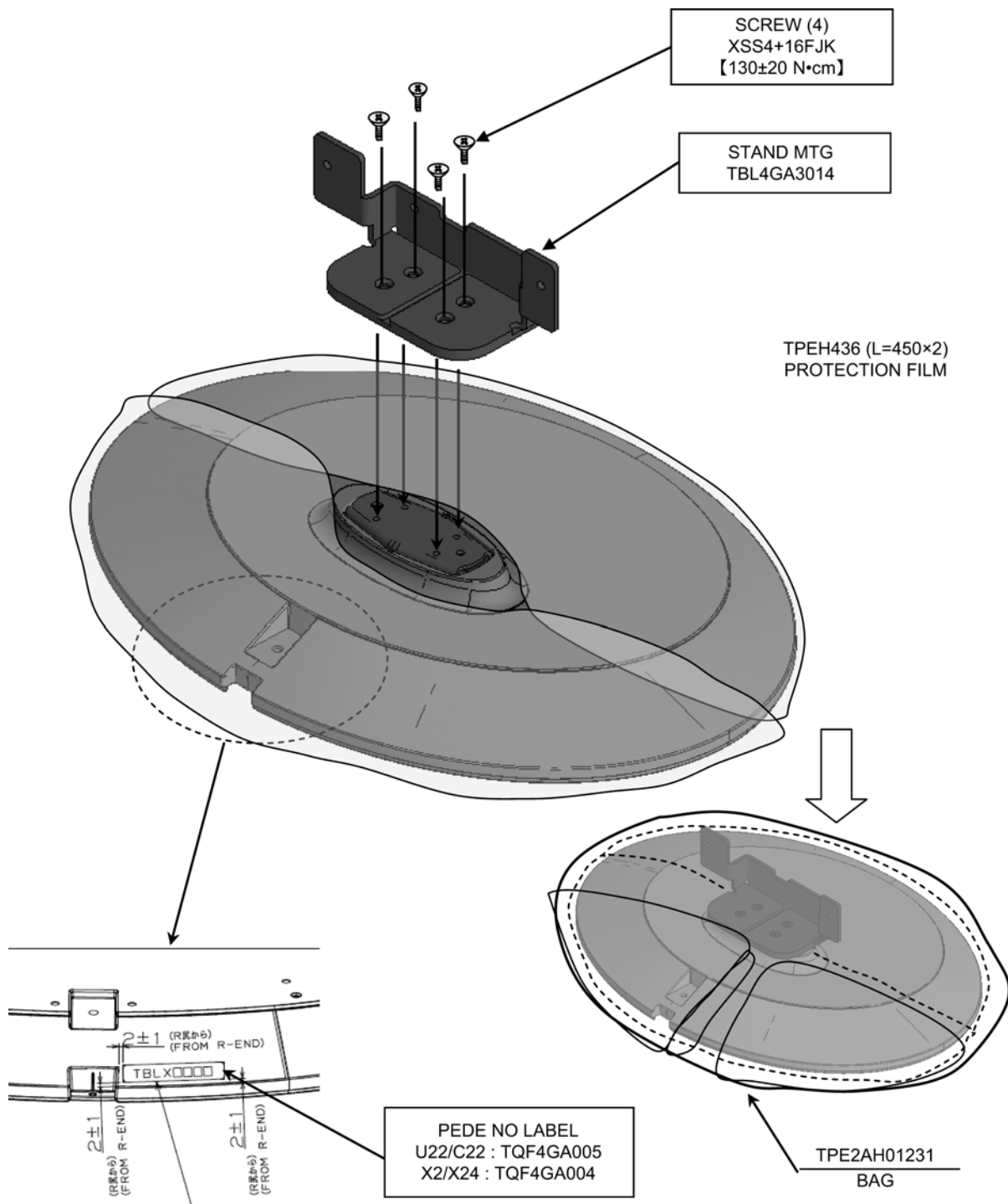
## 7.17. Pedestal 1

Put BASE PLATE to PEDESTAL COVER with screws.



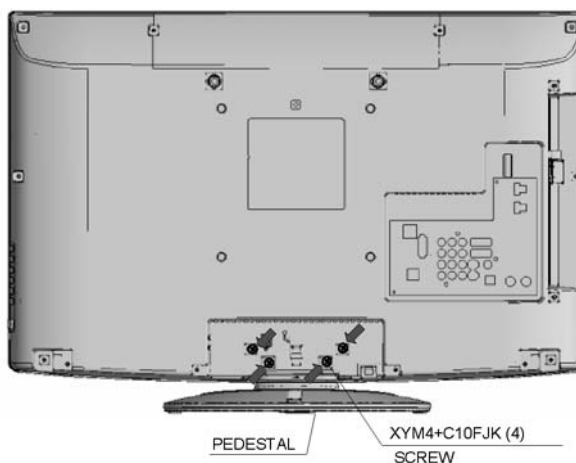
## 7.18. Pedestal 2

Put STAND MTG to STAND MTG SPACER with screws.



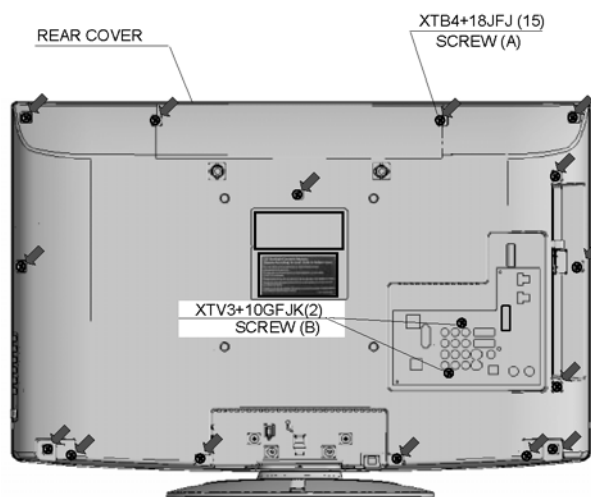
## 7.19. Pedestal 3

1. Lay down the unit so that the rear cover faces upward.
2. Remove the 4 screws.
3. Remove the pedestal.



## 7.20. Rear cover

1. Remove the 15 screws (A).
2. Remove the 2 screws (B),
3. Remove the rear cover.



## 8 Measurements and Adjustments

### 8.1. Voltage chart of A-board

VOLTAGE	TEST POINT	SPECIFICATION (Reception state)
STB3.3V	TP4716	$3.3 \pm 0.16$ V
SUB5V	TP4724	$5 \pm 0.25$ V
SUB9V	TP2300,TP2301	$9 \pm 0.45$ V
SOUND15V	TP2765	$17 \pm 0.85$ V
PANEL12V	TP5413	$12 \pm 0.6$ V
5VS	TP2768	$5.7 \pm 0.28$ V
SUB6V	TP2767	$5.7 \pm 0.28$ V
TCON13.7V	TP7019	$13.7 \pm 0.41$ V
TCON2.5V	TP7021	$2.5 \pm 0.12$ V
TCON31V	TP7031	$31 \pm 31$ V
TCON-6V	TP7014	$-6 \pm 0.6$ V

only miniLVDS model

### 8.2. Picture level adjustment (RF)

Instrument Name	Remarks
1. REMOTE TRANSMITTER 2. Ex. Signal (Sprit color bar)	
Adjustment or Inspection Procedure	Remarks
<p><b>&lt;procedure&gt;</b></p> <p>1. Receive the Sprit color bar. (Screen mode: ZOOM or FULL Picture mode: DYNAMIC AI: OFF AI Picture: OFF) *BACK LIGHT +30</p> <p><b>&lt;Inspection&gt;</b></p> <p>1. Enter Service mode, and select MAIN_ADJ PICTURE. Volume UP/DOWN key makes GAIN displayed under PICTURE to set. Pushing the remote controller [OK] key for about 3 seconds, GAIN is suited to the adjustment value automatically.</p> <div data-bbox="442 1303 791 1565" data-label="Image"> </div> <p>(The Sprit Color Bar Pattern)</p>	



### 8.3. Picture level adjustment (VIDEO)

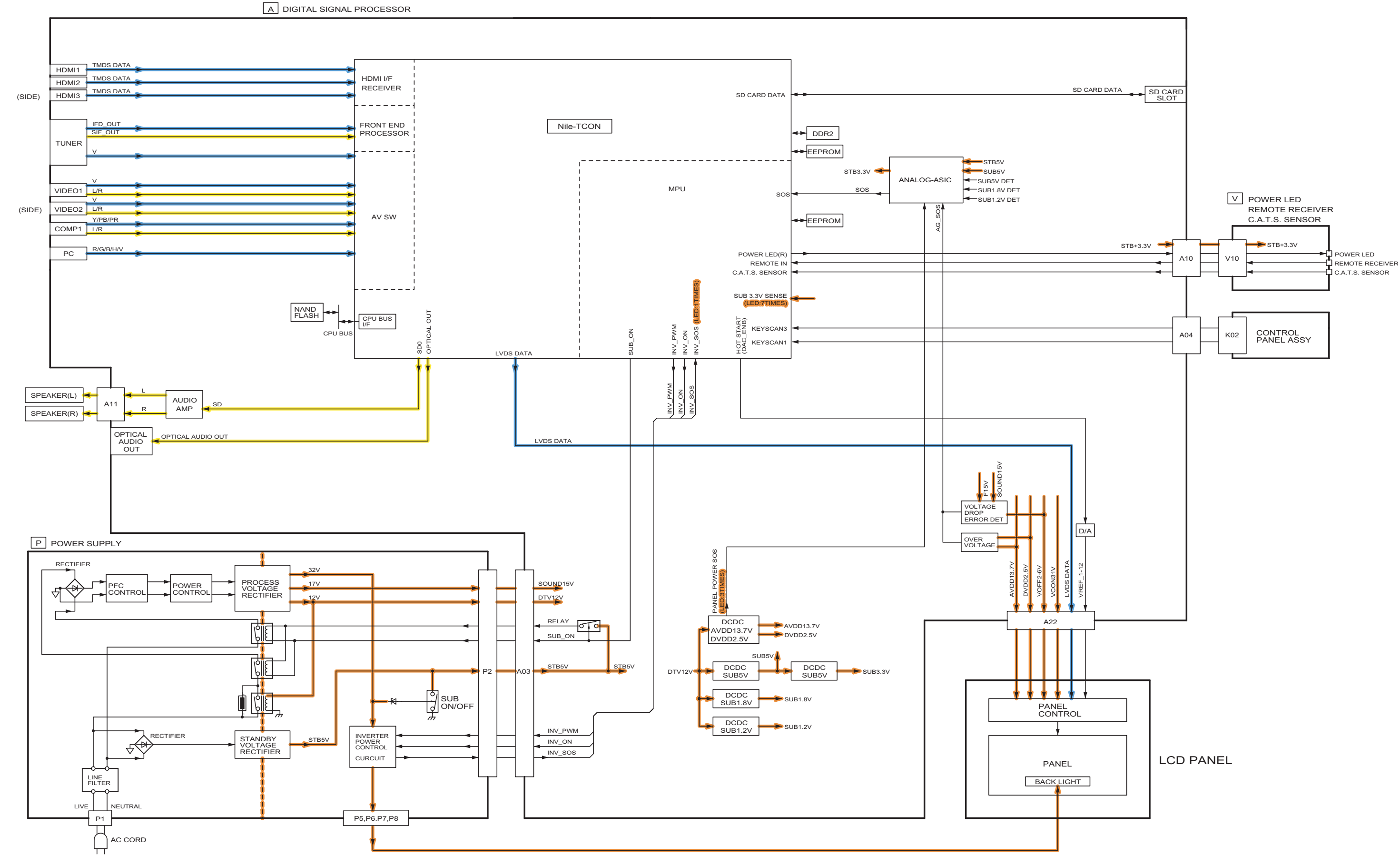
Instrument Name	Remarks
1. REMOTE TRANSMITTER 2. Video signal generator (100% Color bar)	
Adjustment or Inspection Procedure	Remarks
<b>&lt;procedure&gt;</b> 1. Receive 100% Color bar. (ASPECT: ZOOM or FULL, Picture mode: VIVID, AI Picture: OFF) * BACK LIGHT MAX VALUE <b>&lt;Inspection&gt;</b> 1. Enter Service mode, and select ADJUST CONTRAST. Volume UP/DOWN key makes GAIN value displayed on the right of CONTRAST to set. Pushing the remote controller [OK] key for about 3 seconds, GAIN is suited to the adjustment value automatically.	

### 8.4. Picture level adjustment (YUV)

Instrument Name	Remarks
1. REMOTE TRANSMITTER 2. Component Video signal generator (100% Color bar 1080i)	
Adjustment or Inspection Procedure	Remarks
<b>&lt;procedure&gt;</b> 1. Receive 100% Color bar. (ASPECT: ZOOM or FULL, Picture mode: VIVID, AI Picture: OFF) * BACK LIGHT MAX VALUE <b>&lt;Inspection&gt;</b> 1. Enter Service mode, and select ADJUST CONTRAST. Volume UP/DOWN key makes GAIN value displayed on the right of CONTRAST to set. Pushing the remote controller [OK] key for about 3 seconds, GAIN is suited to the adjustment value automatically.	

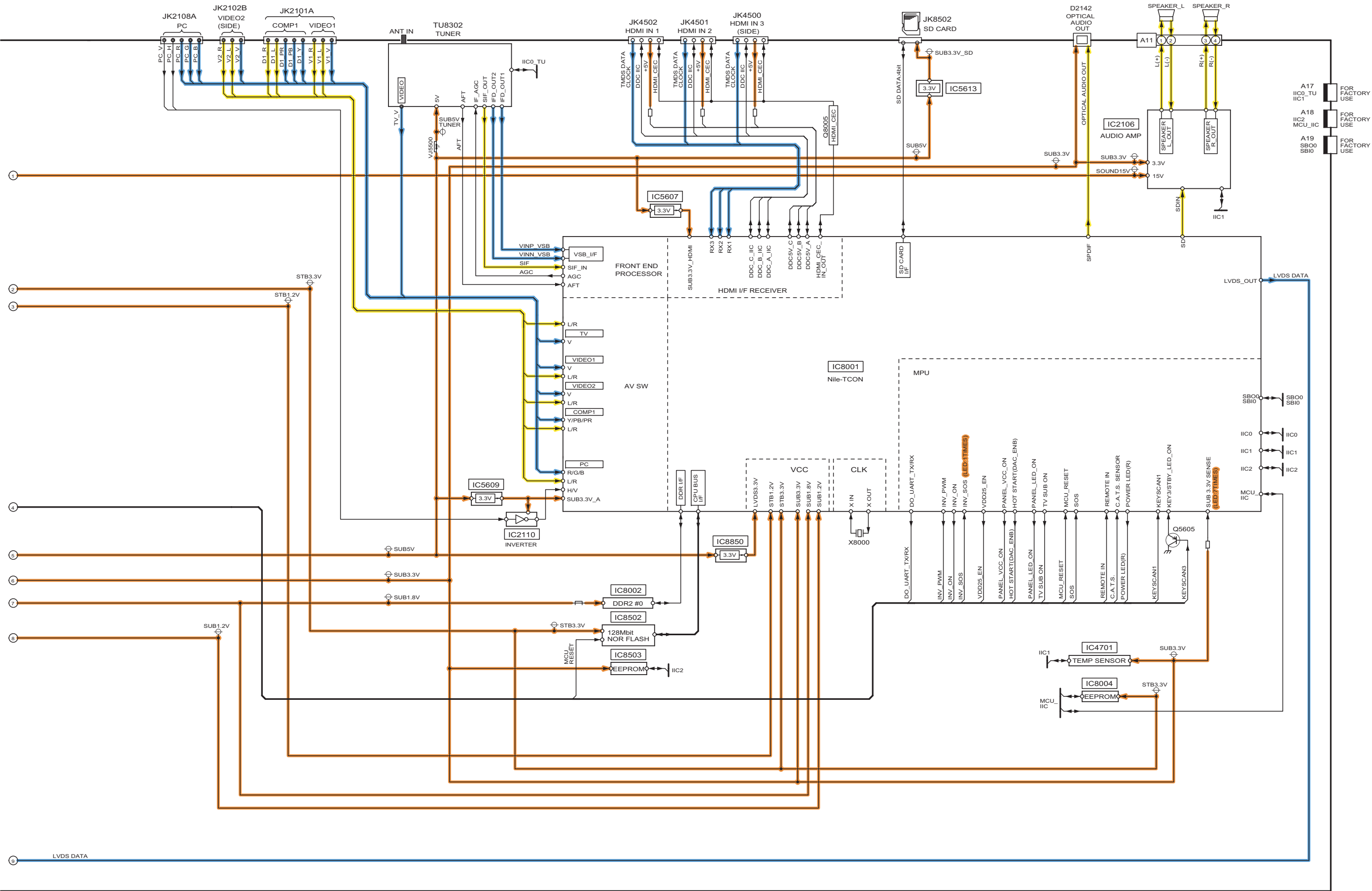
# 9 Block Diagram

## 9.1. Main Block Diagram



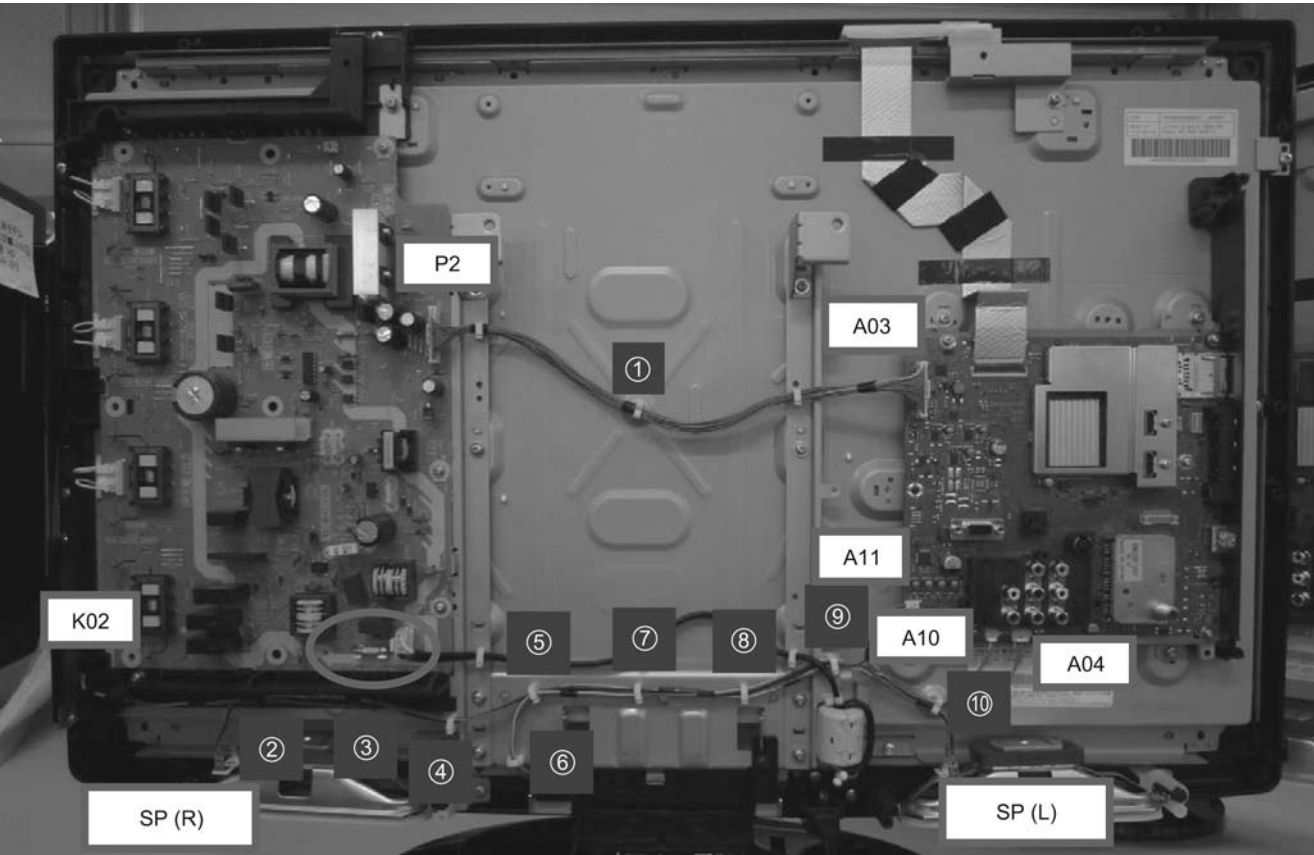


9.3. Block Diagram (2/2)

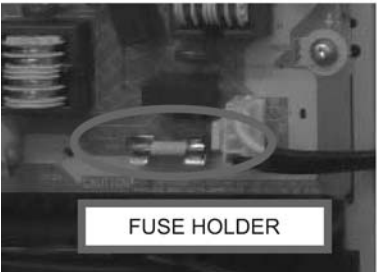


# 10 Wiring Connection Diagram

- 1. Wiring No.1 ~ No.5
- 2. Remove dust of terminal of LVDS and PB connector. (by ion blow) Pos.A21 or A22.
- 3. Insert LVDS into Pos.A21 or A22.



Wire		Clamper									
		1	2	3	4	5	6	7	8	9	10
No.1	A03 - P2	●									
No.2	A04 - K02		●	●	●	●		●	●	●	●
No.3	A10 - V10					●	●	●	●	●	●
No.4	A11 - SP (L)									●	●
No.5	A11 - SP (R)		●	●	●	●		●	●	●	



**SAFETY**







Insert the fuse so that the indication "5A" can be seen from above.  
Insert the fuse surely to not distort its holder.  
Insert the fuse surely to not put on the stopper of its holder.



# 11 Schematic Diagram

## 11.1. Schematic Diagram Notes

Notes:

- 1. **Resistor**  
Unit of resistance is OHM [ $\Omega$ ] (K=1,000, M=1,000,000).
- 2. **Capacitor**  
Unit of capacitance is  $\mu$ 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.

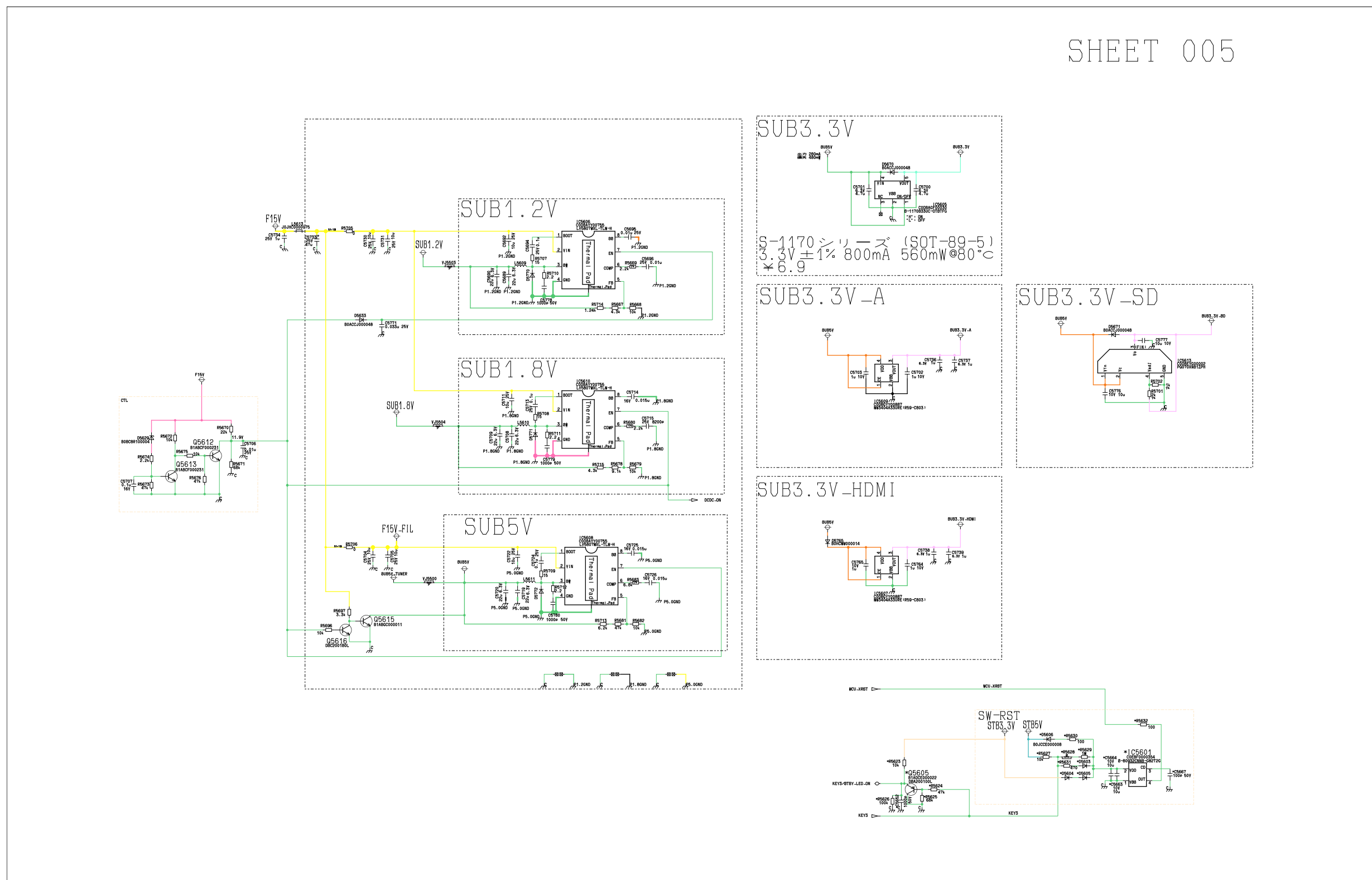






## 11.4. A-Board (3/11) Schematic Diagram

SHEET 005



11.5. A-Board (4/11) Schematic Diagram

6

5

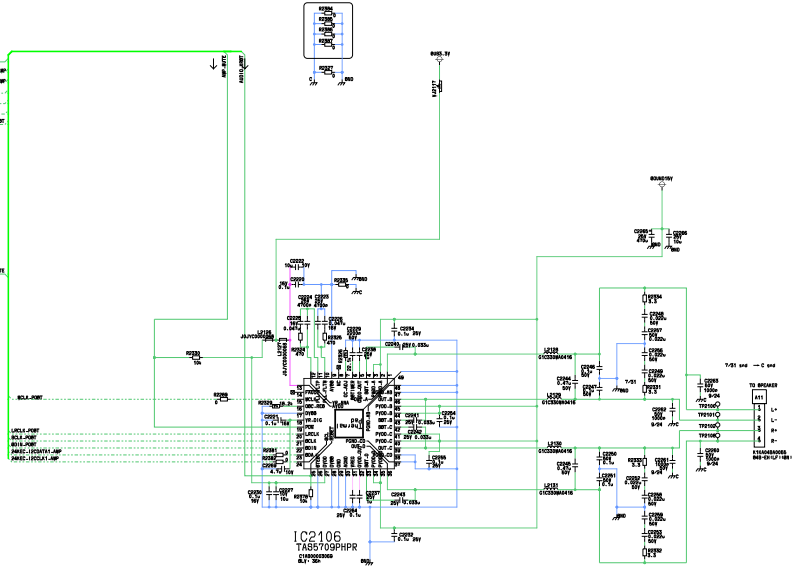
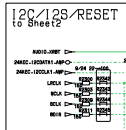
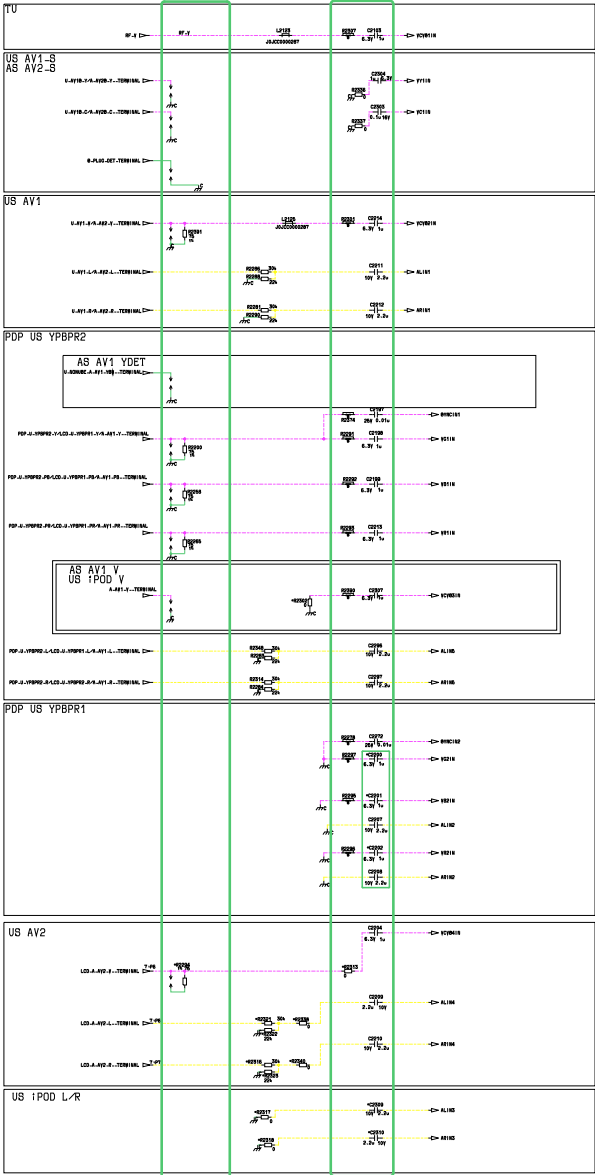
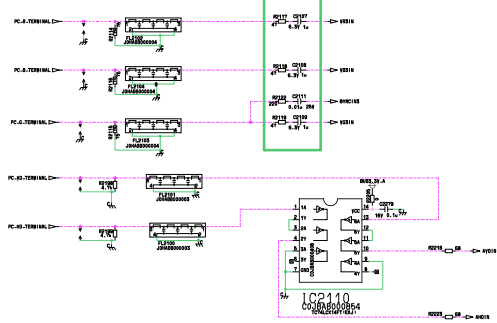
4

3

2

1

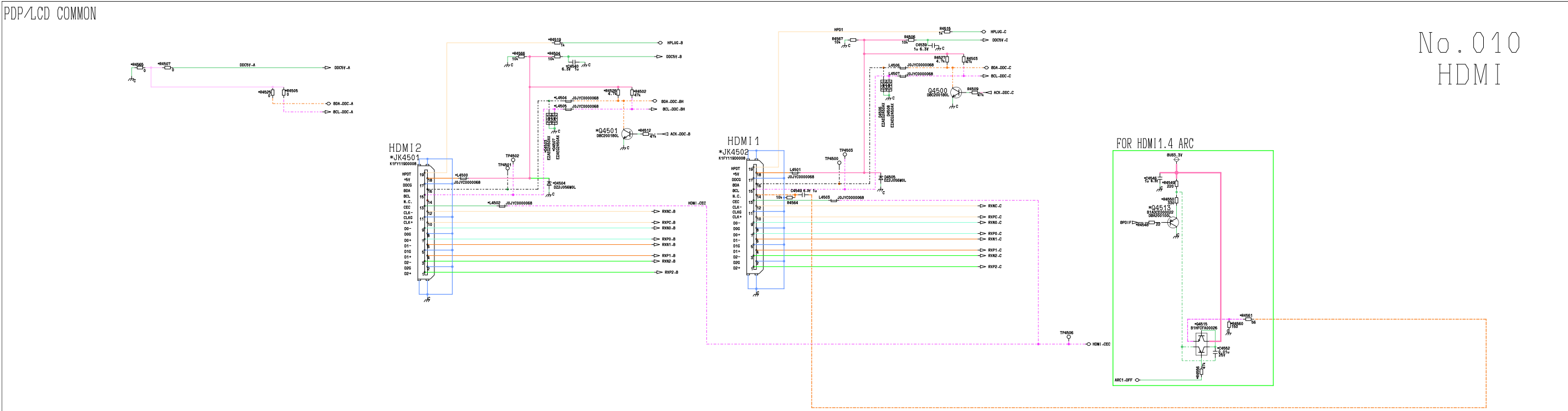
PC MODEL



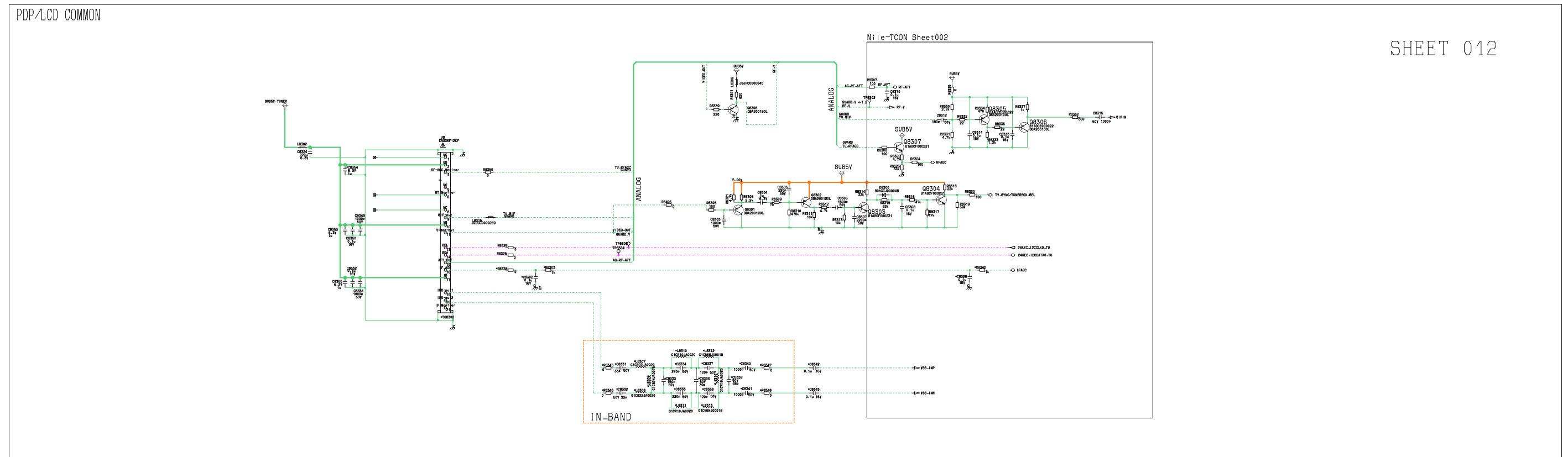
SHEET 007



### 11.7. A-Board (6/11) Schematic Diagram



### 11.8. A-Board (7/11) Schematic Diagram



11.9. A-Board (8/11) Schematic Diagram

6

5

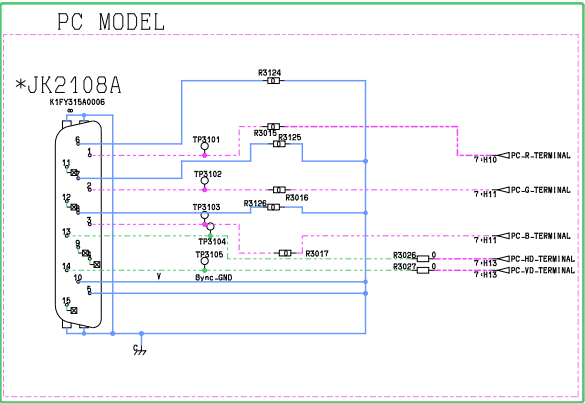
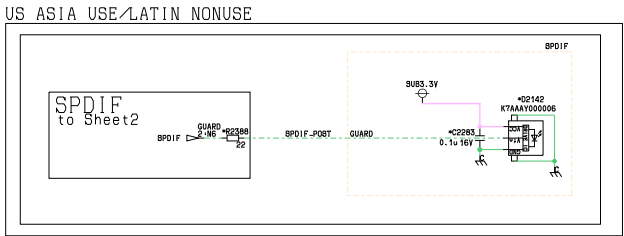
4

3

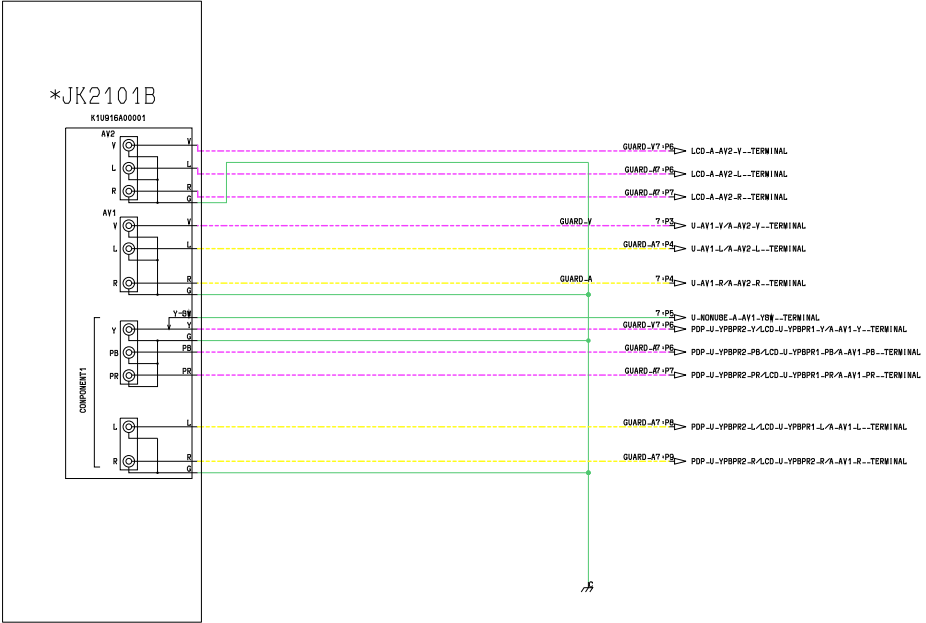
2

1

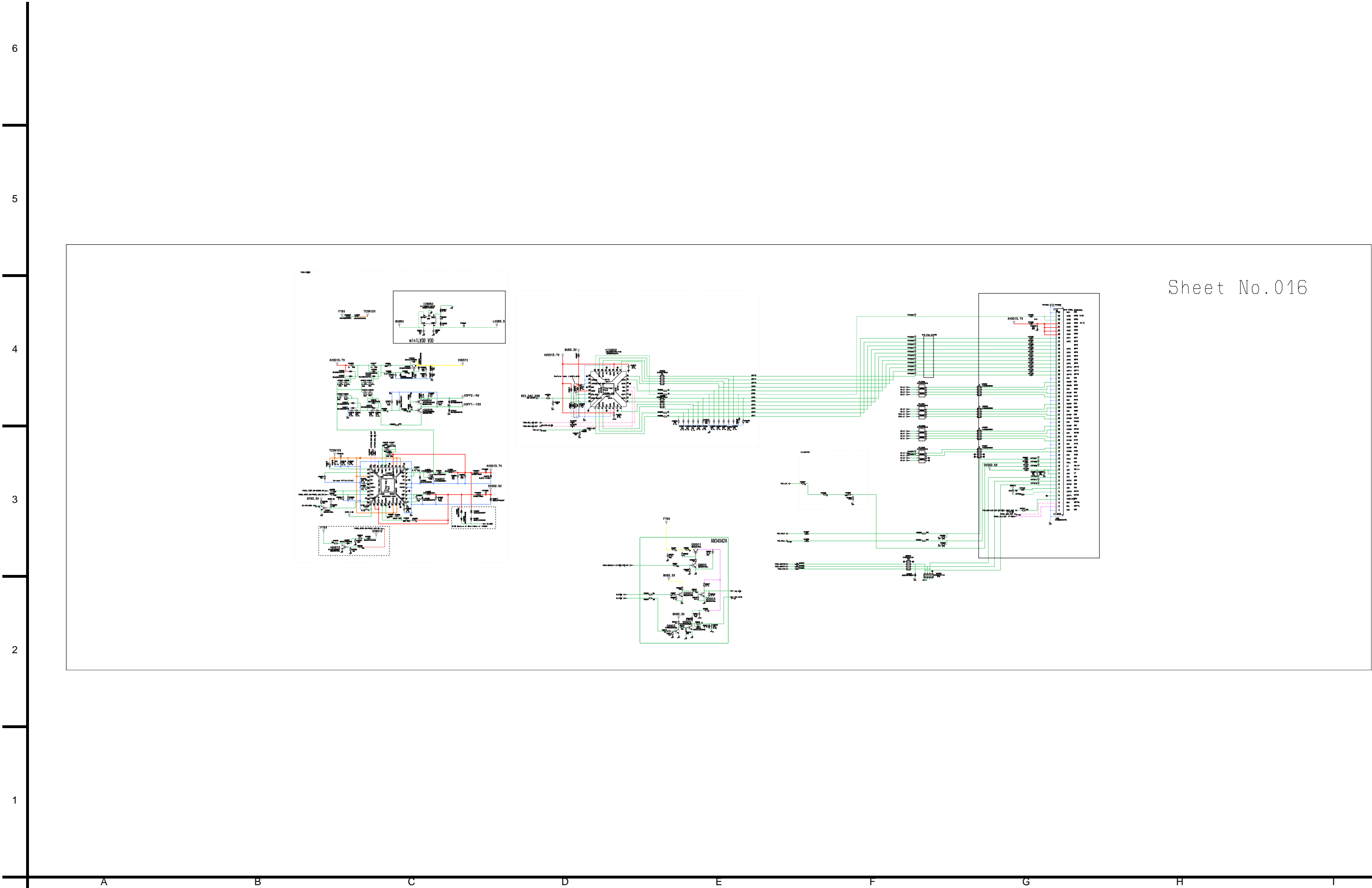
Sheet No.015



USA model (C22)



11.10. A-Board (9/11) Schematic Diagram



11.11. A-Board (10/11) Schematic Diagram

6

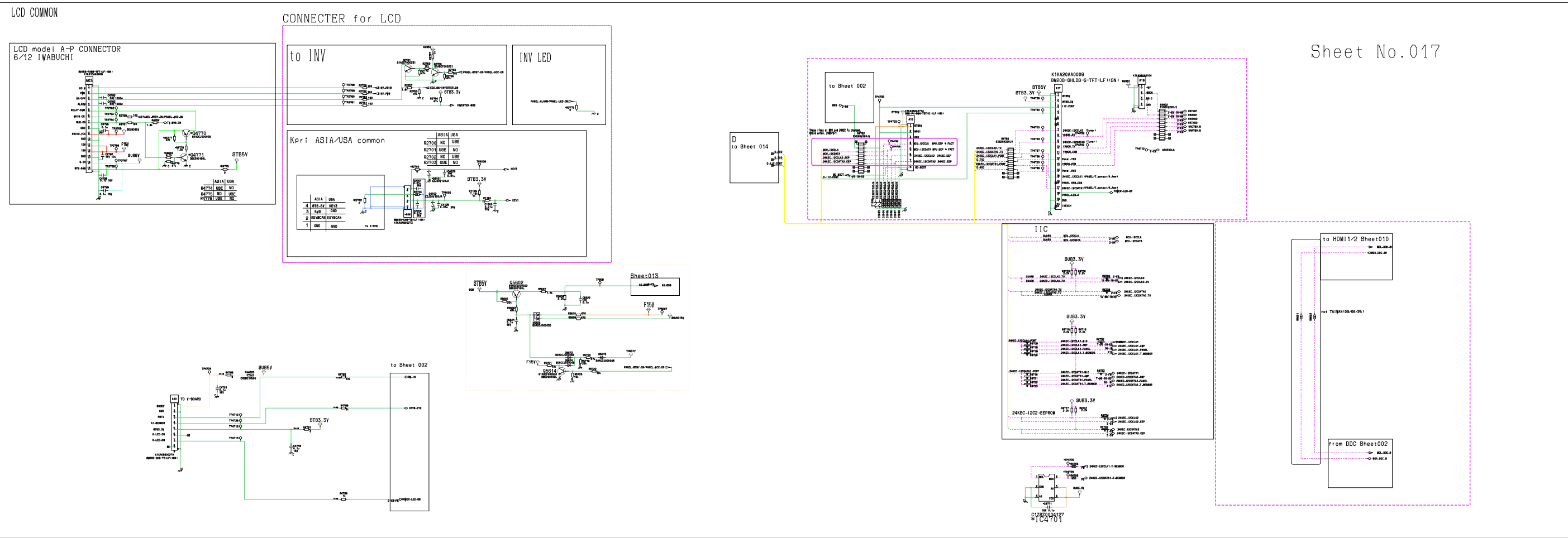
5

4

3

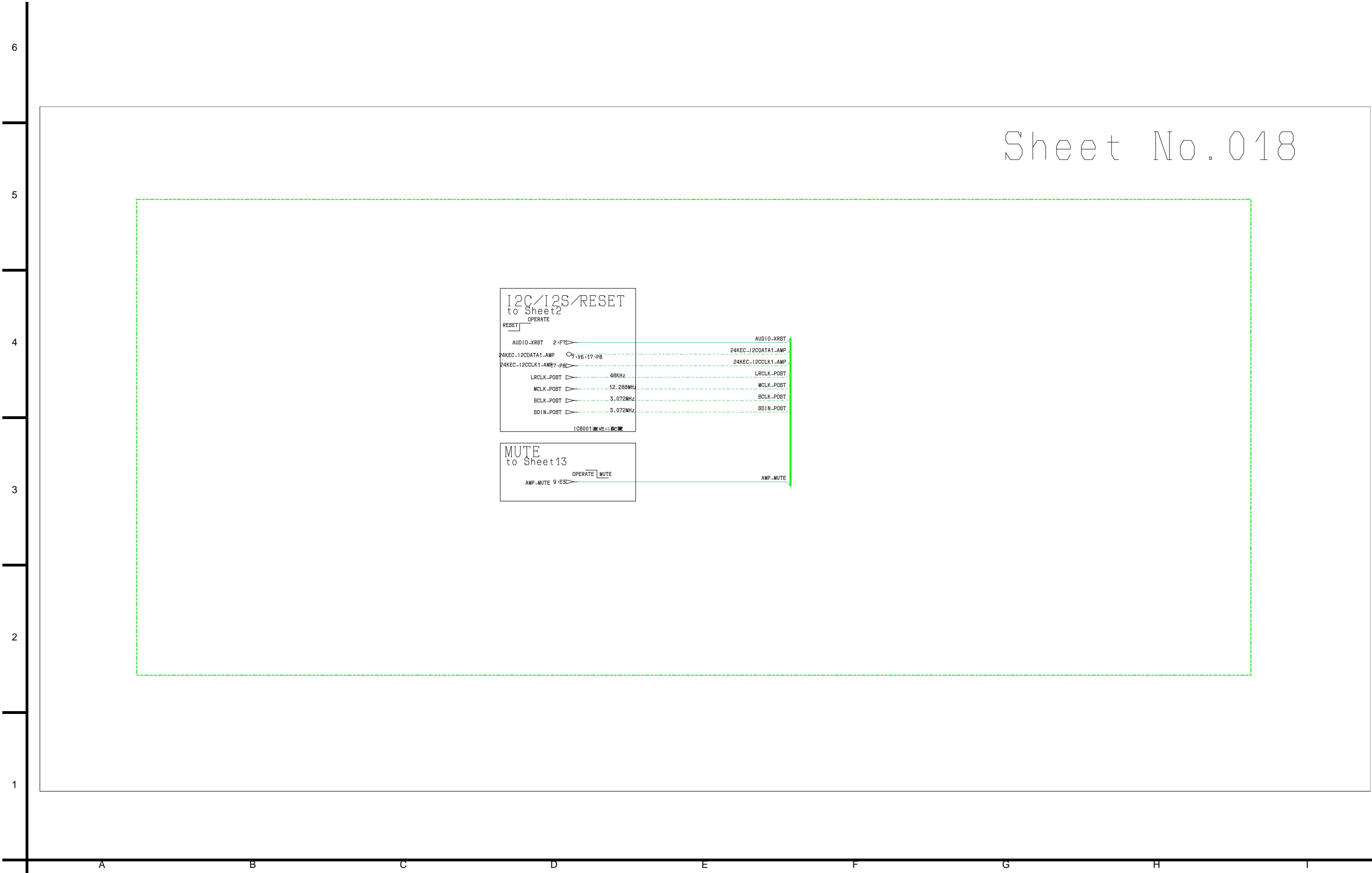
2

1

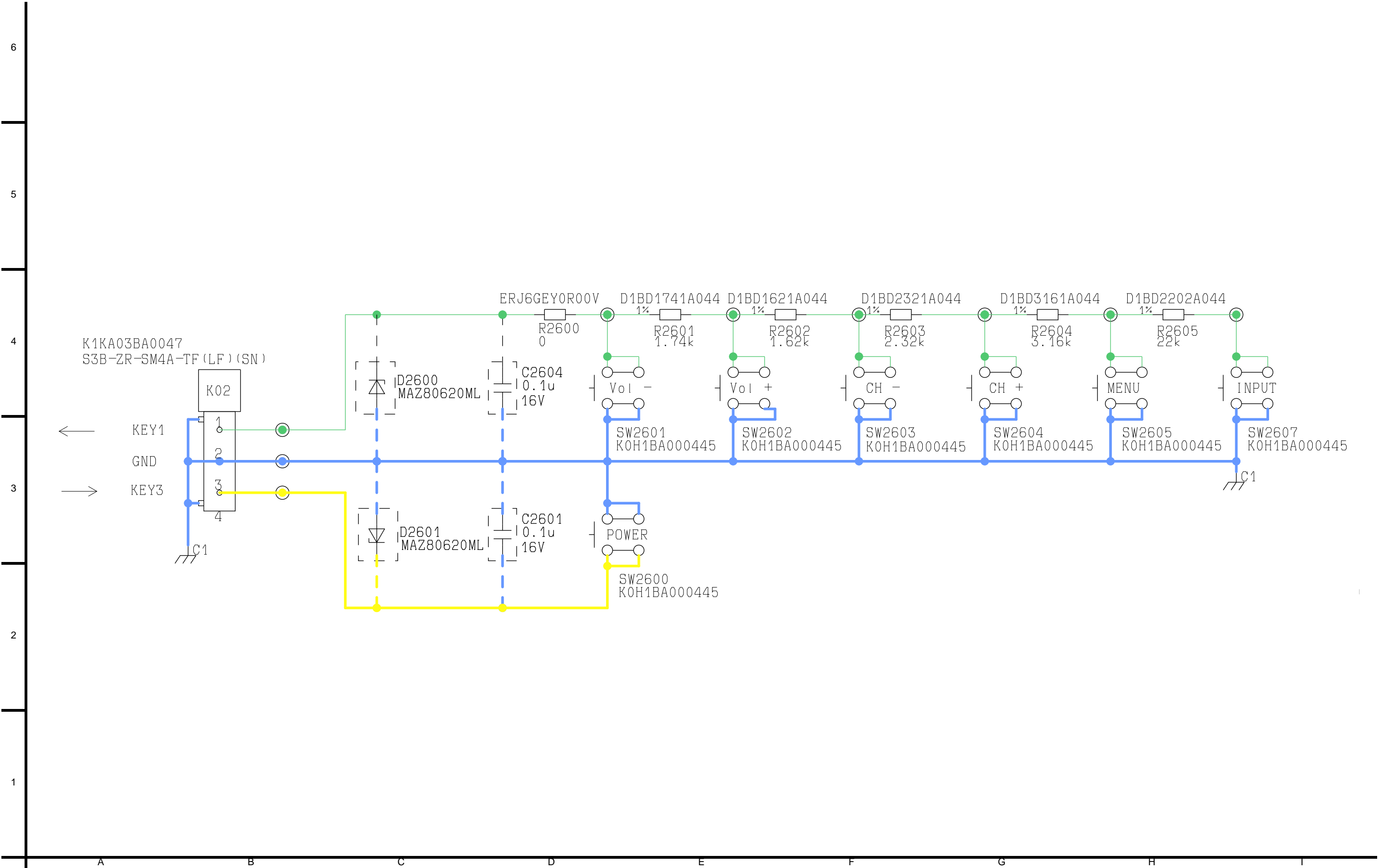




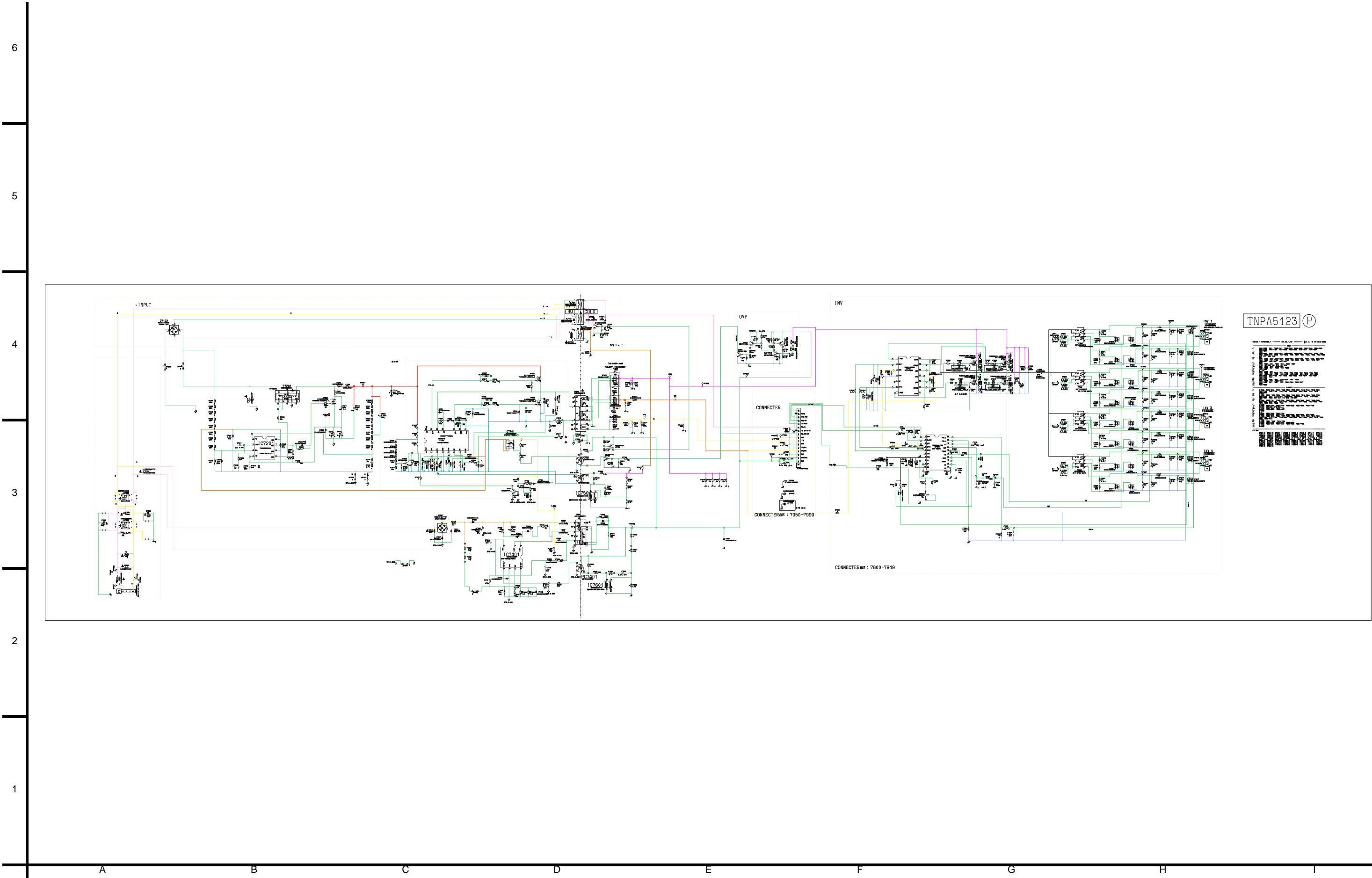
11.12. A-Board (11/11) Schematic Diagram



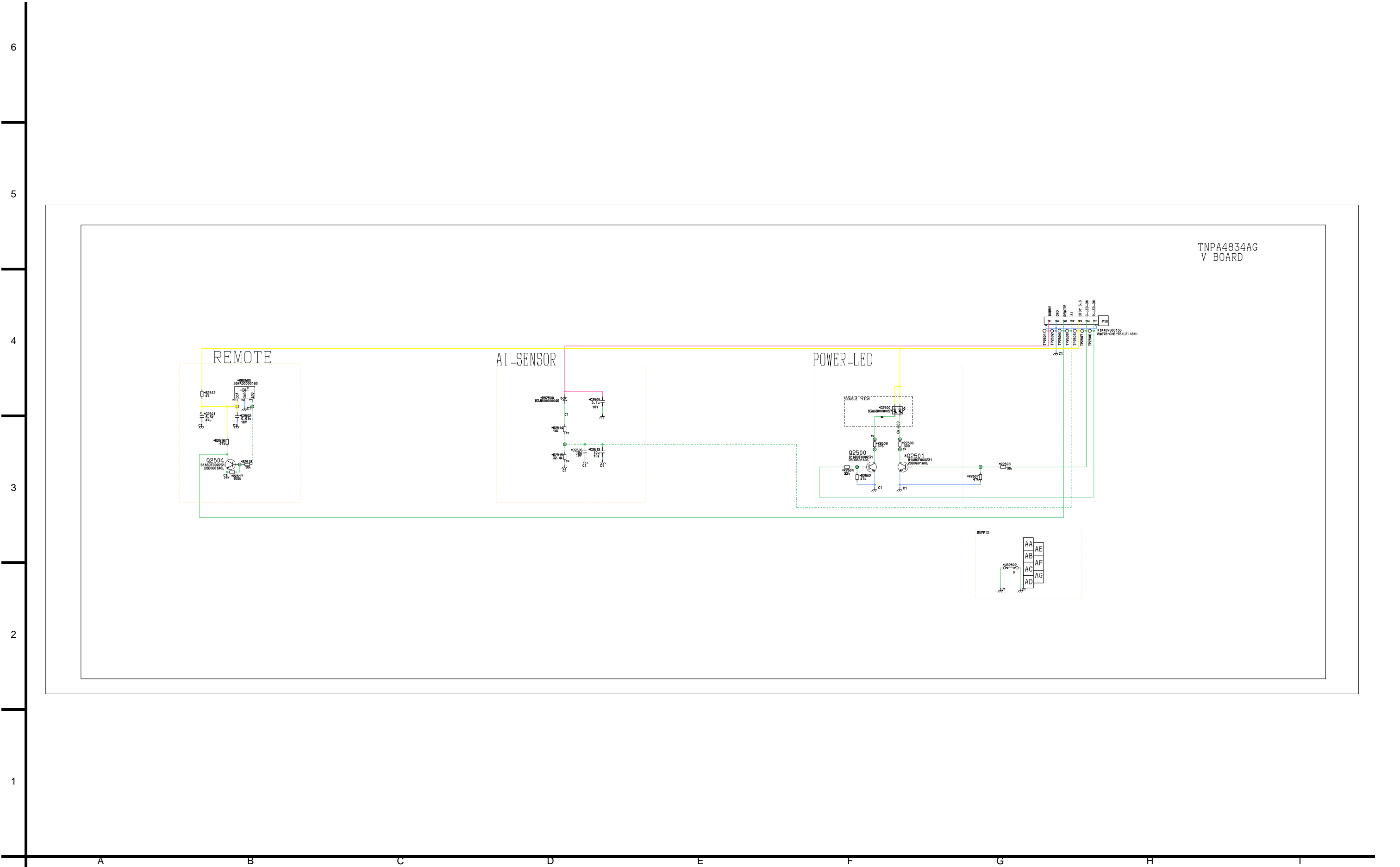
11.13. K-Board Schematic Diagram



11.14. P-Board Schematic Diagram



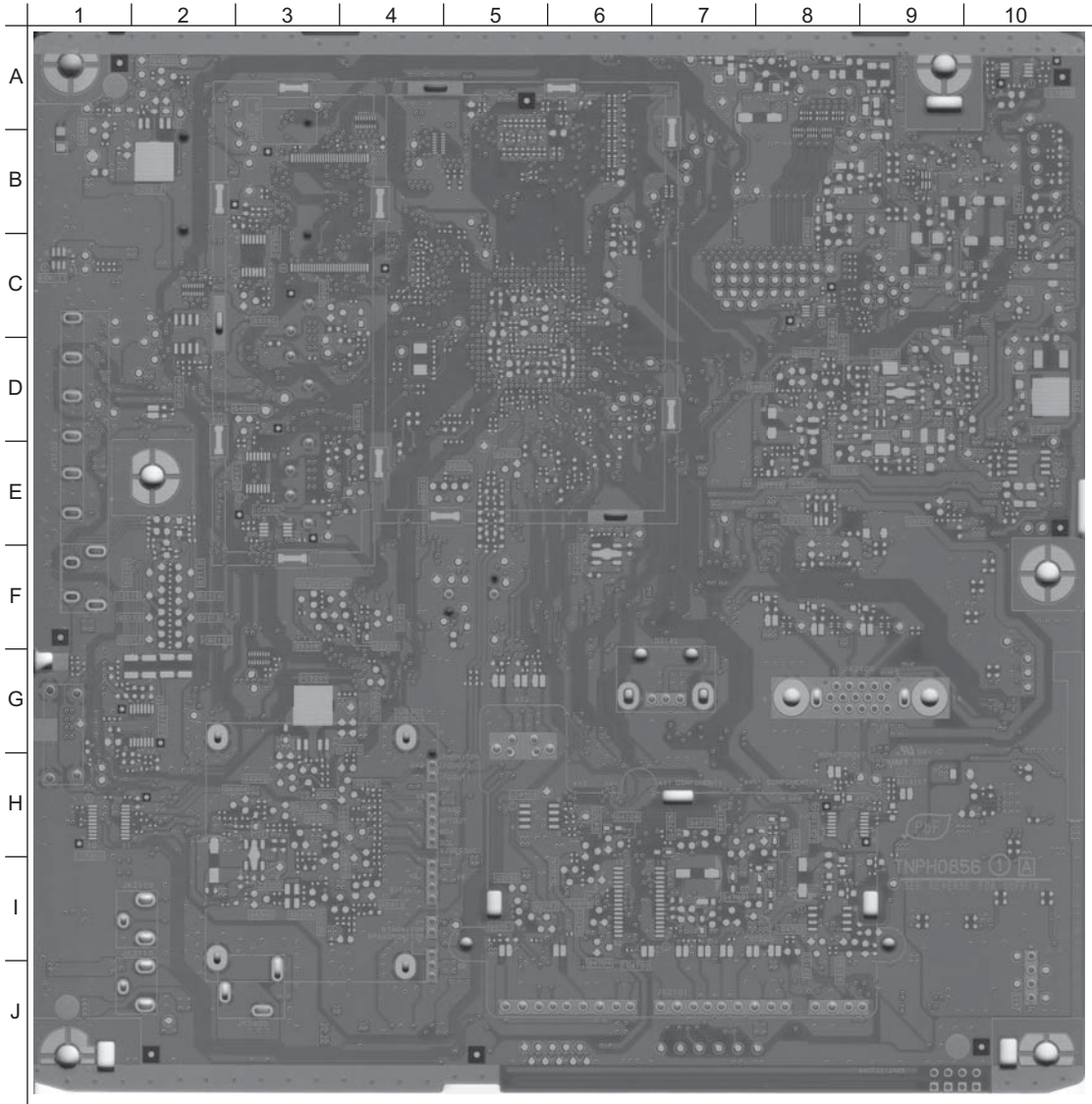
11.15. V-Board Schematic Diagram



# 12 Printed Circuit Board

## 12.1. A-Board

A-Board (A Side)  
TNPH0856

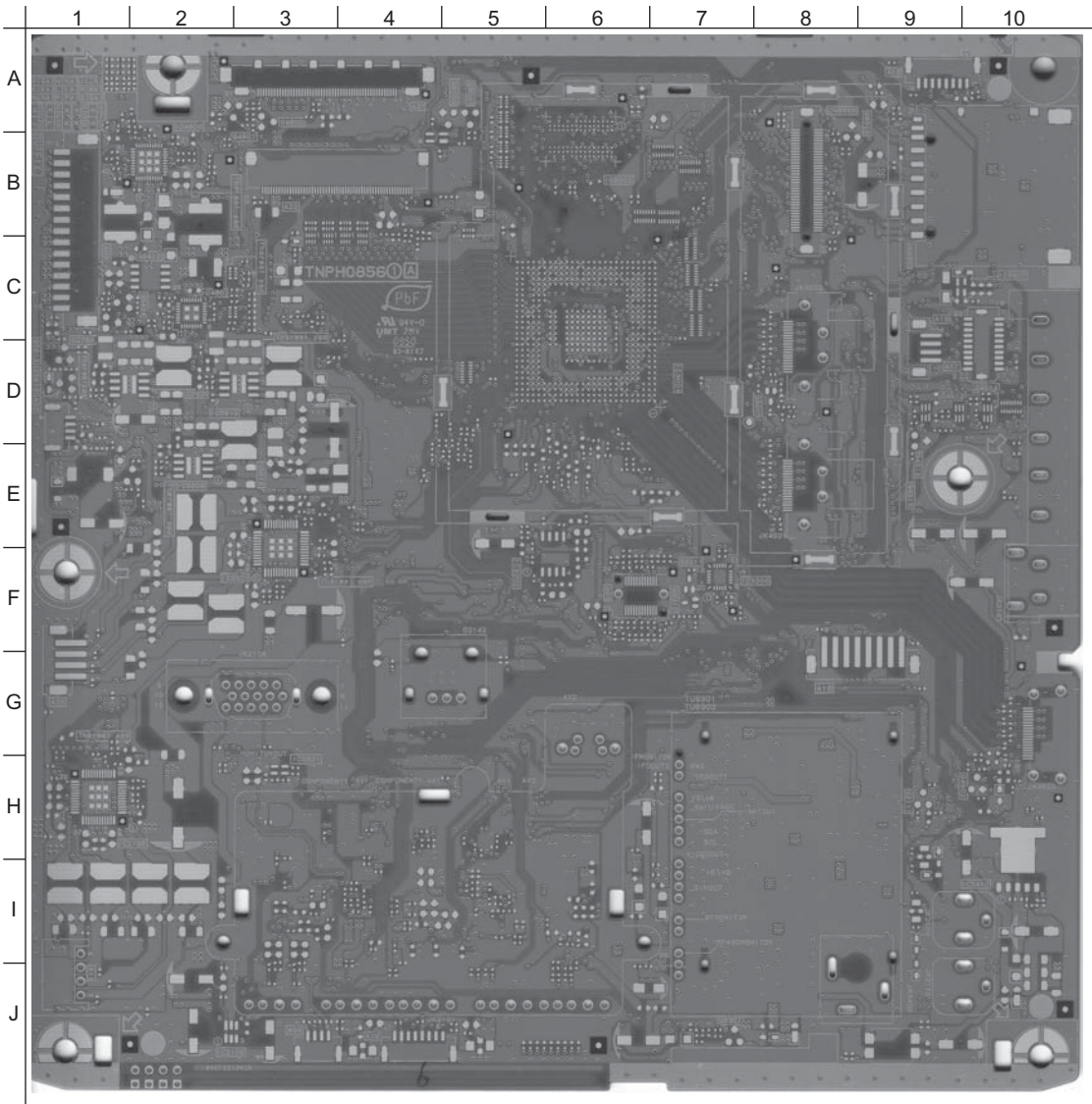


Parts Location

Ref. No	Location	Ref. No	Location	Ref. No	Location	Ref. No	Location
IC2105	E8	IC4601	E3	IC5613	B2	D2142	F7
IC2109	G2	IC4700	I6	IC7000	A10		
IC2110	H9	IC4701	C1	IC8004	D2		
IC2300	D10	IC4702	I8	IC8300	I3		
IC3201	G3	IC4803	B9	IC8301	D10		
IC3350	H1	IC4804	C8	IC8502	A3		
IC3390	C3	IC5605	D9	IC8503	H5		
IC4600	E3	IC5609	D9	IC8850	E6		

12.2. A-Board

A-Board (B Side)  
TNPH0856



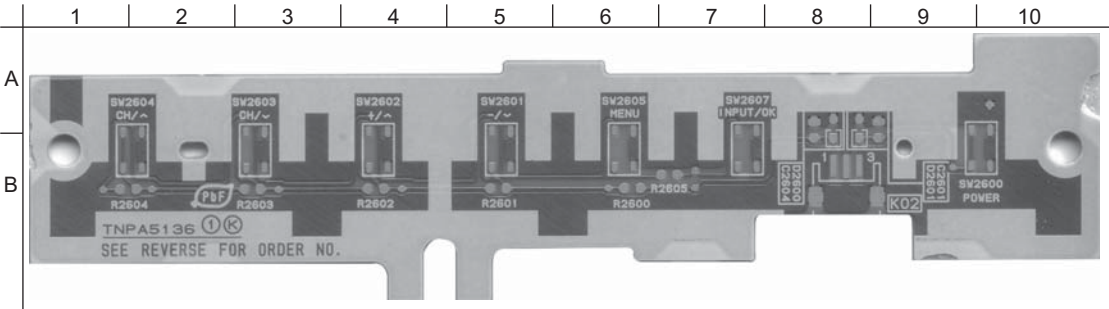
Parts Location

Ref. No	Location	Ref. No	Location	Ref. No	Location	Ref. No	Location
IC2106	H1	IC4800	B2	IC5607	C10	D2142	F5
IC2108	J3	IC4802	C2	IC5608	E2		
IC2501	F3	IC5410	I10	IC5610	D3		
IC3200	F7	IC5601	H3	IC8001	D6		
IC3202	F5	IC5606	D2	IC8002	B6		



12.3. K-Board

K-Board (A Side)  
TNPA5136

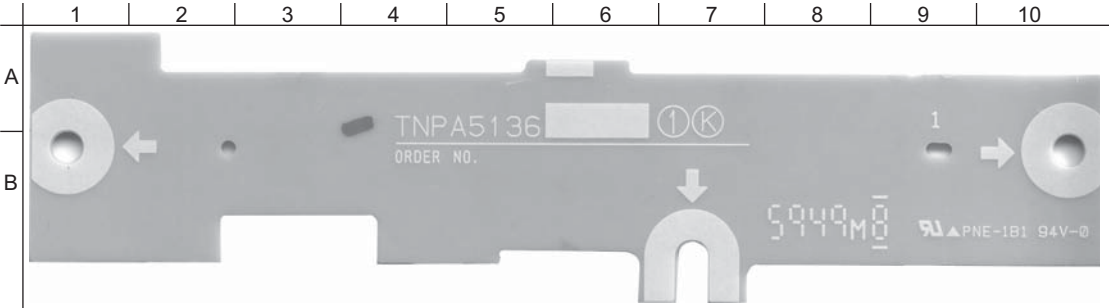


Parts Location

Ref. No	Location	Ref. No	Location
D2600	B8	D2601	B9

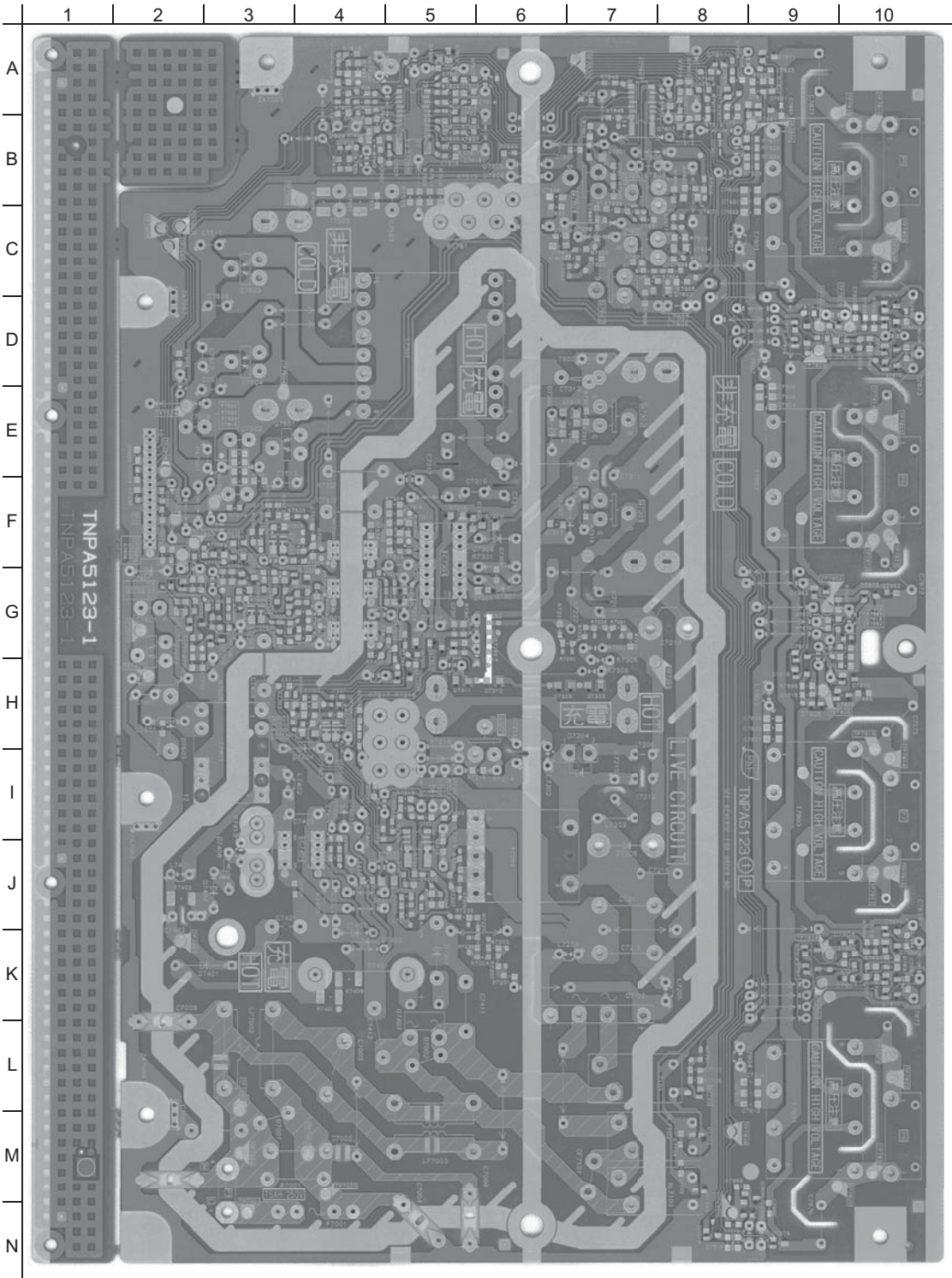
12.4. K-Board

K-Board (B Side)  
TNPA5136



12.5. P-Board

P-Board (A Side)  
TNPA5123



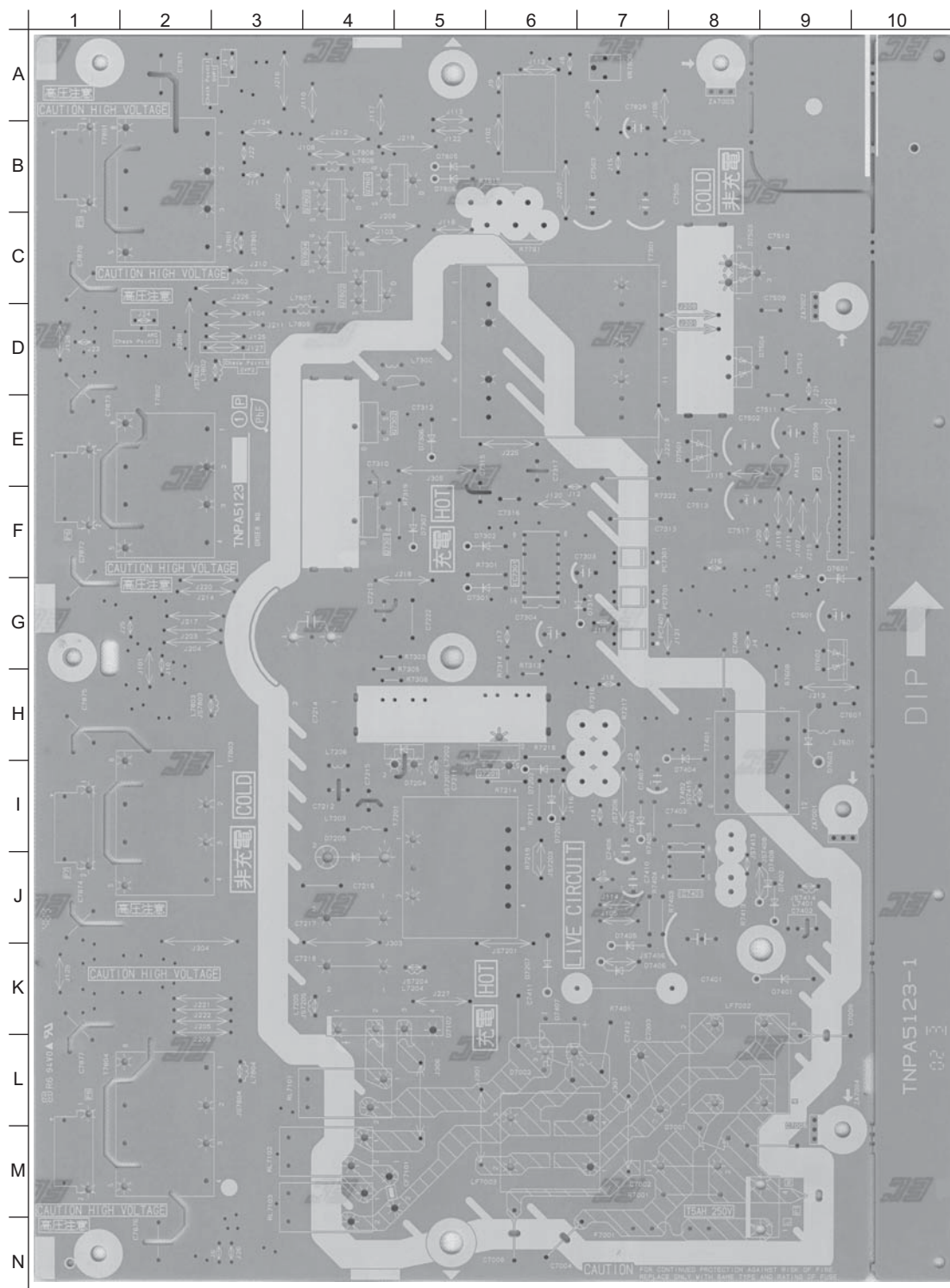


## Parts Location

Ref. No	Location	Ref. No	Location	Ref. No	Location	Ref. No	Location
IC7201	J5	D7001	M3	D7409	J4	D7874	K10
IC7301	F5	D7002	L5	D7501	E3	D7875	H10
IC7401	J4	D7102	K7	D7503	C3	D7876	N9
IC7501	F3	D7201	I5	D7504	D3	D7877	K10
IC7601	G3	D7202	I5	D7601	G2	D7880	D10
IC7800	B5	D7204	H7	D7602	G2	D7881	A9
IC7801	A7	D7205	J7	D7603	H2	D7882	G9
		D7207	K5	D7702	M8	D7883	D10
		D7301	G6	D7703	N9	D7884	K10
		D7302	F6	D7704	H4	D7885	H10
		D7303	F5	D7705	H4	D7886	M9
		D7304	G6	D7751	F3	D7887	K10
		D7305	F5	D7752	F3	D7888	B4
		D7306	D6	D7753	H3	D7889	E2
		D7307	F7	D7801	B7	D7900	D9
		D7308	H7	D7802	C8	D7901	B8
		D7309	H7	D7803	B8	D7902	G10
		D7310	H6	D7804	C8	D7903	D10
		D7311	H5	D7805	B6	D7904	K10
		D7312	G5	D7806	B6	D7905	H9
		D7313	F6	D7807	B8	D7906	N9
		D7314	G5	D7808	B4	D7907	K10
		D7315	E7	D7809	A5	D7910	D9
		D7401	K3	D7810	A5	D7911	A8
		D7402	J3	D7811	A8	D7912	G9
		D7403	I4	D7812	B8	D7913	D9
		D7404	H4	D7813	A8	D7914	K9
		D7405	J4	D7833	A5	D7915	H9
		D7406	J5	D7870	C10	D7916	N9
		D7407	L5	D7871	A9	D7917	K9
		D7408	H2	D7873	D10		

## 12.6. P-Board

P-Board (B Side)  
TNPA5123

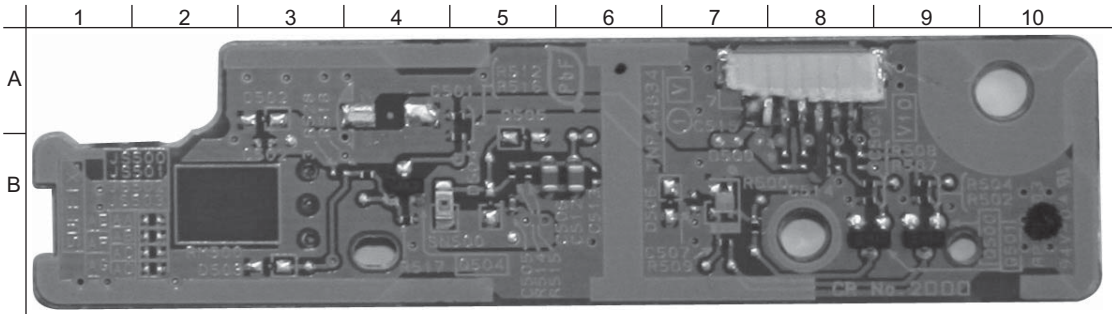


## Parts Location

Ref. No	Location		Ref. No	Location		Ref. No	Location		Ref. No	Location
IC7301	F6		D7001	M8		D7306	E5		D7408	J9
IC7401	J8		D7002	L6		D7307	F5		D7501	D8
			D7102	K5		D7314	G7		D7503	C8
			D7201	I6		D7401	K9		D7504	D8
			D7202	I6		D7402	J9		D7601	F9
			D7204	I5		D7403	I7		D7602	H9
			D7205	I4		D7404	I8		D7603	I9
			D7207	K6		D7405	J7		D7805	B5
			D7301	G5		D7406	K8		D7806	B5
			D7302	F5		D7407	K6			

12.7. V-Board

V-Board (A Side)  
TNPA4834

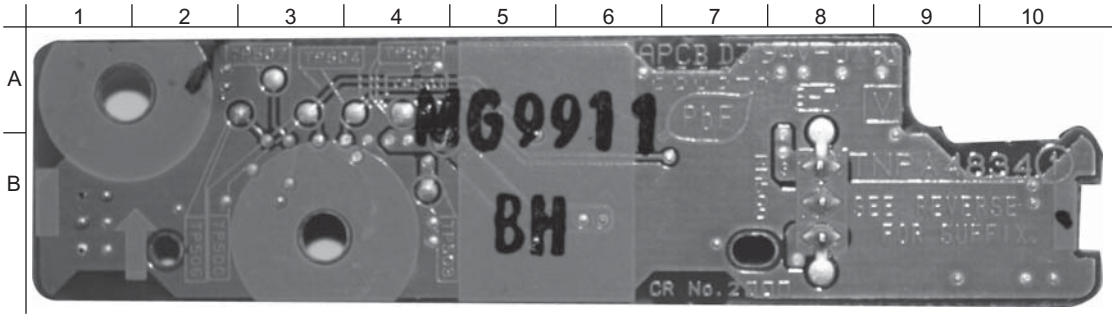


Parts Location

Ref. No	Location	Ref. No	Location
D500	B7	D504	B5
D502	A3	D505	A5
D503	B3	D506	B7

12.8. V-Board

V-Board (B Side)  
TNPA4834



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

Type	Allowance
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
Polypropylene	G : $\pm 3\text{pF}$
T : Tantalum	J : $\pm 5\text{pF}$
	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	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		
	C1100	F1G1E1030005	C 0.01UF,K, 25V	
	C2103	F1H0J1050013	C 1UF,K, 6.3V	
	C2107	F1H0J1050013	C 1UF,K, 6.3V	
	C2108	F1H0J1050013	C 1UF,K, 6.3V	
	C2109	F1H0J1050013	C 1UF,K, 6.3V	
	C2111	F1G1E1030005	C 0.01UF,K, 25V	
	C2197	F1G1E1030005	C 0.01UF,K, 25V	
	C2198	F1H0J1050013	C 1UF,K, 6.3V	
	C2199	F1H0J1050013	C 1UF,K, 6.3V	
	C2200	F1H0J1050013	C 1UF,K, 6.3V	
	C2201	F1H0J1050013	C 1UF,K, 6.3V	
	C2202	F1H0J1050013	C 1UF,K, 6.3V	
	C2204	F1H0J1050013	C 1UF,K, 6.3V	
	C2207	F1H1A225A051	C 2.2UF,10V	
	C2208	F1H1A225A051	C 2.2UF,10V	
	C2209	F1H1A225A051	C 2.2UF,10V	
	C2210	F1H1A225A051	C 2.2UF,10V	
	C2211	F1H1A225A051	C 2.2UF,10V	
	C2212	F1H1A225A051	C 2.2UF,10V	
	C2213	F1H0J1050013	C 1UF,K, 6.3V	
	C2214	F1H0J1050013	C 1UF,K, 6.3V	
	C2220	F1G1C104A077	C 0.1UF, K, 16V	
	C2221	F1G1C104A077	C 0.1UF, K, 16V	
	C2222	F1J1A106A087	C 10UF, K, 10V	
	C2223	F1G1E472A123	C 4700PF, 25V	
	C2224	F1G1E472A123	C 4700PF, 25V	
	C2225	F1G1C473A081	C 0.047UF, K, 10V	
	C2226	F1G1C473A081	C 0.047UF, K, 10V	
	C2227	F1J1A106A087	C 10UF, K, 10V	
	C2229	F1G1H222A571	C 220PF,K, 50V	
	C2230	F1G1C104A077	C 0.1UF, K, 16V	
	C2232	F1H1E104A029	C 0.1UF, 25V	
	C2234	F1H1E104A029	C 0.1UF, 25V	
	C2237	F1J1E105A231	C 1UF, 25V	
	C2238	F1J1E105A231	C 1UF, 25V	
	C2240	F1H1E333A029	C 0.033UF, 25V	
	C2241	F1H1E333A029	C 0.033UF, 25V	
	C2242	F1H1E333A029	C 0.033UF, 25V	
	C2243	F1H1E333A029	C 0.033UF, 25V	
	C2244	F1J1H474A757	C 0.47UF, 50V	
	C2245	F1J1H474A757	C 0.47UF, 50V	
	C2246	F1J1H104A717	C 0.1UF, 50V	
	C2247	F1J1H104A717	C 0.1UF, 50V	
	C2248	F1H1H223A219	C 0.022UF, 50V	
	C2249	F1H1H223A219	C 0.022UF, 50V	
	C2250	F1J1H104A717	C 0.1UF, 50V	
	C2251	F1J1H104A717	C 0.1UF, 50V	
	C2252	F1H1H223A219	C 0.022UF, 50V	
	C2253	F1H1H223A219	C 0.022UF, 50V	
	C2254	F1H1E104A029	C 0.1UF, 25V	
	C2255	F1H1E104A029	C 0.1UF, 25V	
	C2256	F1H1H223A219	C 0.022UF, 50V	
	C2257	F1H1H223A219	C 0.022UF, 50V	
	C2258	F1H1H223A219	C 0.022UF, 50V	
	C2259	F1H1H223A219	C 0.022UF, 50V	
	C2260	F1G1H1020008	C 1000PF, 50V	
	C2261	F1G1H1020008	C 1000PF, 50V	
	C2262	F1G1H1020008	C 1000PF, 50V	
	C2263	F1G1H1020008	C 1000PF, 50V	
	C2264	F1H1E104A029	C 0.1UF, 25V	
	C2265	EEEF1E471P	E 470UF, 25V	
	C2266	F1K1E106A136	C 10UF, 25V	
	C2269	F1J1A475A087	C 4.7UF, 10V	
	C2272	F1G1E1030005	C 0.01UF, 16V	
	C2279	F1G1C104A077	C 0.1UF, K, 16V	
	C2283	F1G1C104A077	C 0.1UF, K, 16V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C2296	F1H1A225A051	C 2.2UF,10V	
	C2297	F1H1A225A051	C 2.2UF,10V	
	C2303	F1G1C104A077	C 0.1UF, K, 16V	
	C2304	F1H0J1050013	C 1UF,K, 6.3V	
	C2305	F1J1E105A231	C 1UF, 25V	
	C2307	F1H0J1050013	C 1UF,K, 6.3V	
	C2309	F1H1A225A051	C 2.2UF,10V	
	C2310	F1H1A225A051	C 2.2UF,10V	
	C2501	F2G0J470A019	E 0.1UF, 16V	
	C2502	F1G1C103A116	C 0.0UF, 16V	
	C2505	F1G1A104A053	C 0.1UF,K, 16V	
	C2506	F1J1A106A087	C 0.1UF, 25V	
	C2512	F1J1A106A087	C 0.1UF, 25V	
	C2700	F1G1E1030005	C 0.01UF, 25V	
	C2701	F1G1E1030005	C 0.01UF, 25V	
	C4125	F1G1E1030005	C 0.01UF, 25V	
	C4126	F1G1E1030005	C 0.01UF, 25V	
	C4262	F1K1E106A136	C 0.01UF, 25V	
	C4263	F1J1A106A087	C 10UF, 10V	
	C4264	F1J1A106A087	C 10UF, 10V	
	C4539	F1H0J1050013	C 1UF,K, 6.3V	
	C4540	F1H0J1050013	C 1UF,K, 6.3V	
	C4546	F1H0J1050013	C 1UF,K, 6.3V	
	C4549	F1H0J1050013	C 1UF,K, 6.3V	
	C4700	F1H0J1050013	C 1UF,K, 6.3V	
	C4704	F2H1A101A009	C 100UF, 10V	
	C4705	F1G1C104A077	C 1UF, 16V	
	C4706	F1H1A105A025	C 1UF, 10V	
	C4707	F1H1A105A025	C 1UF, 10V	
	C4718	F1G1C104A077	C 1UF, 16V	
	C4721	F1G1C104A077	C 1UF, 16V	
	C4771	F1G1C104A077	C 1UF, 16V	
	C4772	F1G1C104A077	C 1UF, 16V	
	C4779	F1J0J106A004	C 10UF, 6.3V	
	C4792	F1H1H102A831	C 1000PF, 50V	
	C4793	F1H1H102A831	C 1000PF, 50V	
	C4796	F1H1E104A029	C 0.1UF, 25V	
	C4797	F1K1C106A126	C 10UF, 16V	
	C4798	F1G1C104A077	C 1UF, 16V	
	C4799	F1G1C104A077	C 1UF, 16V	
	C4800	F1K1E106A136	C 10UF, 25V	
	C4803	F1H1H104A970	C 0.1UF, 50V	
	C4804	F1G1H330A565	C 100PF, 50V	
	C4805	F1H1H473A970	C 0.047UF, 50V	
	C4806	F1H1H104A970	C 0.1UF, 50V	
	C4807	F1G1H3320004	C 0.01UF, 16V	
	C4808	F1G1C104A077	C 1UF, 16V	
	C4809	F1J1E105A231	C 1UF, 25V	
	C4810	F1K1E225A085	C 2.2UF, 25V	
	C4811	F1G1H101A731	C 100PF, 50V	
	C4812	F1H1H473A970	C 0.047UF, 50V	
	C4813	F1H1H104A970	C 0.1UF, 50V	
	C4814	F1H1H473A970	C 0.047UF, 50V	
	C4815	F1H1H104A970	C 0.1UF, 50V	
	C4816	F1K1E225A085	C 2.2UF, 25V	
	C4817	F1J1E105A231	C 1UF, 25V	
	C4818	F1J1C475A170	C 4.7UF, 25V	
	C4819	F1J1C475A170	C 4.7UF, 25V	
	C4820	F1J1C475A170	C 4.7UF, 25V	
	C4821	F1H1H104A970	C 0.1UF, 50V	
	C4822	F1G1C104A077	C 1UF, 16V	
	C4823	F1H1H104A970	C 0.1UF, 50V	
	C4824	F1G1C104A077	C 1UF, 16V	
	C4825	F1G1A105A047	C 1UF, 10V	
	C4826	F1G1H1020008	C 1000PF, 50V	
	C4827	F1H0J1050013	C 1UF, 6.3V	
	C4828	F2H0J1010009	C 100UF, 6.3V	
	C4829	F1G1H330A565	C 33PF, 50V	
	C4830	F1K1E106A136	C 10UF, 25V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C4831	FLK1E106A136	C 10UF , 25V	
	C4832	FLG1A105A047	C 1UF , 10V	
	C4833	FLG1C104A077	C 0.1UF , 16V	
	C4834	FLH1H104A970	C 0.1UF , 50V	
	C4838	FLJ1E105A231	C 1UF, 25V	
	C4842	ERJ2GEJ102X	FIXED RESISTOR	
	C4844	FLG1C104A077	C 1UF , 10V	
	C4846	FLK1E106A136	C 10UF , 25V	
	C4847	FLG1C104A077	C 0.1UF , 16V	
	C4848	FLG1C104A077	C 0.1UF , 16V	
	C4849	FLG1C104A077	C 0.1UF , 16V	
	C4851	FLG1C104A077	C 0.1UF , 16V	
	C4852	FLH1H473A970	C 0.047UF , 50V	
	C4853	FLG1C104A077	C 0.1UF , 16V	
	C4854	FLJ1A106A087	C 10UF , 10V	
	C4855	FLG1C104A077	C 0.1UF , 16V	
	C4856	FLG1C104A077	C 0.1UF , 16V	
	C4857	FLG1C104A077	C 0.1UF , 16V	
	C4858	FLG1C104A077	C 0.1UF , 16V	
	C4859	FLG1C104A077	C 0.1UF , 16V	
	C4863	FLK1E225A085	C 2.2UF , 25V	
	C4864	FLK1E225A085	C 2.2UF , 25V	
	C4872	FLH1H104A970	C 0.1UF , 50V	
	C4873	FLH1H104A970	C 0.1UF , 50V	
	C4876	FLH1H104A970	C 0.1UF , 50V	
	C5521	FLG1C104A077	C 0.1UF , 16V	
	C5522	FLG1C104A077	C 0.1UF , 16V	
	C5652	FLG1H1020008	C 1000PF , 50V	
	C5663	FLJ1A106A087	C 10UF , 10V	
	C5664	FLJ1A106A087	C 10UF , 10V	
	C5667	FLG1H101A731	C 100PF , 50V	
	C5689	FLK0J226A008	C 22UF , 6.3V	
	C5690	FLK0J226A008	C 22UF , 6.3V	
	C5692	FLK1E106A136	C 10UF , 25V	
	C5694	FLH1E104A029	C 0.1UF , 25V	
	C5695	FLG1E1030005	C 0.01UF , 16V	
	C5696	FLG1E1030005	C 0.01UF , 16V	
	C5700	FLH0J4750004	C 4.7UF , 6.3V	
	C5701	FLH0J4750004	C 4.7UF , 6.3V	
	C5702	FLH1A105A025	C 1UF , 10V	
	C5703	FLH1A105A025	C 1UF , 10V	
	C5704	FLK1E106A136	C 10UF , 25V	
	C5705	FLK1E106A136	C 10UF , 25V	
	C5706	FLG1E1030005	C 0.01UF , 16V	
	C5707	FLG1C104A077	C 0.1UF , 16V	
	C5708	FLK0J226A008	C 22UF , 6.3V	
	C5709	FLK0J226A008	C 22UF , 6.3V	
	C5711	FLK1E106A136	C 10UF , 25V	
	C5713	FLH1E104A029	C 0.1UF , 25V	
	C5714	FLG1C153A081	C 0.015UF , 16V	
	C5715	FLG1E822A123	C 8200PF , 25V	
	C5719	FLK0J226A008	C 22UF , 6.3V	
	C5720	FLK0J226A008	C 22UF , 6.3V	
	C5722	FLK1E106A136	C 10UF , 25V	
	C5724	FLH1E104A029	C 0.1UF , 25V	
	C5725	FLG1C153A081	C 0.015UF , 16V	
	C5726	FLG1C153A081	C 0.015UF , 16V	
	C5730	FLK1E106A136	C 10UF , 25V	
	C5731	FLK1E106A136	C 10UF , 25V	
	C5733	F2H1E470A007	C 47UF , 25V	
	C5734	FLJ1E105A231	C 1UF , 25V	
	C5736	FLH0J1050013	C 1UF,K, 6.3V	
	C5737	FLH0J1050013	C 1UF,K, 6.3V	
	C5738	FLH0J1050013	C 1UF,K, 6.3V	
	C5739	FLH0J1050013	C 1UF,K, 6.3V	
	C5764	FLH1A105A025	C 1UF , 10V	
	C5765	FLH1A105A025	C 1UF , 10V	
	C5771	FLH1E333A029	C 0.033UF , 25V	
	C5776	FLJ1A106A087	C 10UF , 10V	
	C5777	FLJ1A106A087	C 10UF , 10V	
	C5778	FLG1H1020008	C 1000PF , 50V	
	C5779	FLG1H1020008	C 1000PF , 50V	
	C5780	FLG1H1020008	C 1000PF , 50V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
⚠	C7002	F0CAF224A021	F 10UF , 10V	
⚠	C7003	F0CAF224A021	F 10UF , 10V	
⚠	C7008	F1A2E471A003	C 470PF , 240V	
⚠	C7009	F1A2E471A003	C 470PF , 240V	
	C7201	FLJ1H474A757	C 0.47UF , 50V	
	C7203	FLJ1H104A835	C 0.1UF , 50V	
	C7204	FLJ1H221A834	C 220PF , 50V	
	C7206	FLJ1C105A197	C 1UF , 16V	
	C7207	FLJ1H332A834	C 3300PF , 50V	
	C7208	FLJ1H221A834	C 220PF , 50V	
	C7211	F1A3A221A060	C 220PF , 1kV	
	C7213	F1A3A222A060	C 220PF , 1kV	
⚠	C7214	F2A2W121A185	C 120UF , 450V	
⚠	C7217	F0CZ2105A097	C 1UF , 1kV	
	C7221	FLJ1H474A757	C 0.47UF , 50V	
	C7222	ECQE6223KF	CAPACITOR	
	C7302	FLJ1A106A087	C 0.047UF , 16K	
	C7303	F2A1H220A115	E 22UF , 50V	
	C7304	F2A1H1010047	E 100UF , 50V	
	C7305	FLJ1H103A834	C 0.01UF , 50V	
	C7306	FLJ1E105A231	CHIP CAPACITOR	
	C7307	FLJ1H104A835	C 0.1UF , 50V	
	C7308	FLJ1H474A757	C 0.47UF , 50V	
	C7309	FLJ1C105A197	C 1UF , 16V	
	C7310	F1A3A471A060	C 470PF , 1kV	
	C7311	FLJ1H681A834	C 680PF , 50V	
	C7312	ECWH8273HVB	C 0.027UF , 800V	
	C7313	F1A2E471A003	C 470PF , 250V	
	C7315	F1A3A100A058	C 100PF , 1kV	
	C7316	F1A3A100A058	C 100PF , 1kV	
	C7317	F1A3A101A060	C 100PF , 1kV	
	C7318	FLJ1H101A836	C 100UF , 50V	
	C7401	F2A2W4700015	C 47UF , 450V	
	C7402	ECQE2103KF	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 , 25V	
	C7409	FLJ1H471A834	C 470PF , 50V	
⚠	C7411	F1A2E102A004	C 1000PF , 250V	
	C7412	F1A2E102A004	C 1000PF , 250V	
	C7501	FLJ1E333A226	C 0.033UF , 25V	
	C7502	F2A1E102A100	E 1000UF , 25V	
	C7503	F2A1V102A465	C 1000UF , 35V	
	C7506	FLJ1H104A835	C 0.1UF , 50V	
	C7507	FLJ1H104A835	C 0.1UF , 50V	
	C7508	F2A1C102A252	E 1000UF , 16V	
	C7509	F1A3A102A060	C 1000PF , 1kV	
	C7510	F1A3A102A060	C 1000PF , 1kV	
	C7511	F1A3A102A060	C 1000PF , 1kV	
	C7512	F1A3A102A060	C 1000PF , 1kV	
	C7513	F1A3A102A060	C 1000PF , 1kV	
	C7514	FLJ1H102A834	C 1000PF , 50V	
	C7515	FLJ1H102A834	C 1000PF , 50V	
	C7516	FLJ1H102A834	C 1000PF , 50V	
	C7517	F2A1E102A100	E 1000UF , 25V	
	C7601	F2A1A102A118	E 1000UF , 10V	
	C7602	FLJ1H474A757	C 0.47UF , 50V	
	C7605	FLJ1H104A835	C 0.1UF , 50V	
	C7606	FLJ1H104A835	C 0.1UF , 50V	
	C7607	F1A3A102A060	C 1000PF , 1kV	
	C7701	FLJ1E105A231	C 1UF , 25V	
	C7702	FLJ1H104A835	C 0.1UF , 50V	
	C7703	FLJ1E3340003	C 0.33UF , 25V	
	C7750	FLJ1A1050002	C 1UF , 10V	
	C7751	FLJ1A1050002	C 1UF , 10V	
	C7752	FLJ1A1050002	C 1UF , 10V	
	C7753	FLJ1A1050002	C 1UF , 10V	
	C7754	FLJ1H102A834	C 1000PF , 50V	
	C7755	FLJ1H102A834	C 1000PF , 50V	
	C7800	FLK1H225A118	C 2.2UF , 50V	
	C7801	FLK1H225A118	C 2.2UF , 50V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C7802	F1K1H225A118	C 2.2UF , 50V	
	C7803	F1J1C474A194	C 0.47UF , 16V	
	C7804	F1K1H225A118	C 2.2UF , 50V	
	C7805	F1K1H225A118	C 2.2UF , 50V	
	C7806	F1K1H225A118	C 2.2UF , 50V	
	C7807	F1K1H225A118	C 2.2UF , 50V	
	C7808	F1K1H225A118	C 2.2UF , 50V	
	C7809	F1K1H225A118	C 2.2UF , 50V	
	C7810	F1K1H225A118	C 2.2UF , 50V	
	C7811	F1K1H225A118	C 2.2UF , 50V	
	C7812	F1K1H225A118	C 2.2UF , 50V	
	C7813	F1J1H102A834	C 1000PF , 50V	
	C7815	F1J1C225A197	C 2.2UF , 16V	
	C7816	F1J1H103A834	C 0.1UF , 50V	
	C7817	F1J1C224A194	C 0.22UF , 16V	
	C7819	F1J1C105A197	C 1UF , 16V	
	C7820	F1J1H103A834	C 0.1UF , 50V	
	C7821	F1J1H103A834	C 0.1UF , 50V	
	C7822	F1J1H472A834	C 0.01UF , 50V	
	C7823	F1J1C105A197	C 0.1UF , 50V	
	C7824	F1J1H471A836	C 470PF , 50V	
	C7825	F1J1C474A194	C 0.47UF , 16V	
	C7826	F1J1H104A835	C 0.1UF , 50V	
	C7827	F1J1H104A835	C 0.1UF , 50V	
	C7828	F1J1H104A835	C 0.1UF , 50V	
	C7829	F2A1E101A089	E 100UF , 50V	
	C7870	F1B3J100A013	C 10PF , 6.3kV	
	C7871	F1B3J100A013	C 10PF , 6.3kV	
	C7872	F1B3J100A013	C 10PF , 6.3kV	
	C7873	F1B3J100A013	C 10PF , 6.3kV	
	C7874	F1B3J100A013	C 10PF , 6.3kV	
	C7875	F1B3J100A013	C 10PF , 6.3kV	
	C7876	F1B3J100A013	C 10PF , 6.3kV	
	C7877	F1B3J100A013	C 10PF , 6.3kV	
	C7880	F1J1H102A834	C 1000PF , 50V	
	C7881	F1J1H102A834	C 1000PF , 50V	
	C7882	F1J1H102A834	C 1000PF , 50V	
	C7883	F1J1H102A834	C 1000PF , 50V	
	C7884	F1J1H102A834	C 1000PF , 50V	
	C7885	F1J1H102A834	C 1000PF , 50V	
	C7886	F1J1H102A834	C 1000PF , 50V	
	C7887	F1J1H102A834	C 1000PF , 50V	
	C7888	F1J1H102A834	C 1000PF , 50V	
	C7889	F1J1H102A834	C 1000PF , 50V	
	C7890	F1J1H102A834	C 1000PF , 50V	
	C7891	F1J1H102A834	C 1000PF , 50V	
	C7892	F1J1H102A834	C 1000PF , 50V	
	C7893	F1J1H102A834	C 1000PF , 50V	
	C7894	F1J1H102A834	C 1000PF , 50V	
	C7895	F1J1H102A834	C 1000PF , 50V	
	C7896	F1K1H225A118	C 2.2UF , 50V	
	C7897	F1K1H225A118	C 2.2UF , 50V	
	C7898	F1J1H471A834	C 470PF , 50V	
	C7899	F1J1H332A834	C 3300PF , 50V	
	C7910	F1J1H472A834	C 4700PF , 50V	
	C7911	F1J1H472A834	C 4700PF , 50V	
	C7912	F1J1H472A834	C 4700PF , 50V	
	C7913	F1J1H472A834	C 4700PF , 50V	
	C7914	F1J1H472A834	C 4700PF , 50V	
	C7915	F1J1H472A834	C 4700PF , 50V	
	C7916	F1J1H472A834	C 4700PF , 50V	
	C7917	F1J1H472A834	C 4700PF , 50V	
	C8001	F1H0J1050013	C 1UF , 6.3V	
	C8002	F1H0J1050013	C 1UF , 6.3V	
	C8003	F1G1C104A077	C 0.1UF , 16V	
	C8004	F1G1C104A077	C 0.1UF , 16V	
	C8005	F1G1C104A077	C 0.1UF , 16V	
	C8006	F1G1C104A077	C 0.1UF , 16V	
	C8007	F1G1H6R0A732	C 6PF , 50V	
	C8008	F1G1H7R0A732	C 7P , 50V	
	C8009	F1J1A475A087	C 4.7UF , 10V	
	C8011	F1G1C104A077	C 0.1UF , 16V	
	C8012	F1G1C104A077	C 0.1UF , 16V	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C8013	F1G1C104A077	C 0.1UF , 16V	
	C8014	F1G1C104A077	C 0.1UF , 16V	
	C8015	F1G1C151A117	C 150PF , 16V	
	C8016	F1G1C104A077	C 0.1UF , 16V	
	C8017	F1G1C104A077	C 0.1UF , 16V	
	C8018	F1G1C104A077	C 0.1UF , 16V	
	C8019	F1G1C104A077	C 0.1UF , 16V	
	C8020	F1G1C104A077	C 0.1UF , 16V	
	C8021	F1G1C104A077	C 0.1UF , 16V	
	C8022	F1G1C103A116	C 1000PF , 50V	
	C8023	F1G1H5R0A564	C 5PF , 50V	
	C8024	F1G1E1030005	C 0.01UF , 16V	
	C8025	F1G1C5R0A118	C 5PF , 16V	
	C8026	F1G1E1030005	C 0.01UF , 16V	
	C8027	F1G1C104A077	C 0.1UF , 16V	
	C8028	F1G1C104A077	C 0.1UF , 16V	
	C8029	F1G1E153A103	C 0.015UF , 16V	
	C8030	F1J1A106A087	C 10UF , 10V	
	C8033	F1J1A106A087	C 10UF , 10V	
	C8034	F1G1C104A077	C 0.1UF , 16V	
	C8035	F1J1A106A087	C 10UF , 10V	
	C8036	F1G1C104A077	C 0.1UF , 16V	
	C8037	F1G1C104A077	C 0.1UF , 16V	
	C8038	F1G1C104A077	C 0.1UF , 16V	
	C8039	F1J1A106A087	C 10UF , 10V	
	C8040	F1G1C104A077	C 0.1UF , 16V	
	C8041	F1J1A106A087	C 10UF , 10V	
	C8042	F1G1C104A077	C 0.1UF , 16V	
	C8043	F1G1A105A047	C 1000PF , 50V	
	C8044	F1G1A105A047	C 1000PF , 50V	
	C8045	F1G1A105A047	C 1000PF , 50V	
	C8046	F1J0G2260001	C 1UF , 6.3V	
	C8047	F1G1C104A077	C 0.1UF , 16V	
	C8048	F1G1H1020008	C 1000PF , 50V	
	C8049	F1H0J1050013	C 1UF , 6.3V	
	C8050	F1G1C104A077	C 0.1UF , 16V	
	C8051	F1J1A106A087	C 10UF , 10V	
	C8053	F1G1C104A077	C 0.1UF , 16V	
	C8054	F1G1C104A077	C 0.1UF , 16V	
	C8056	F1G1C104A077	C 0.1UF , 16V	
	C8058	F1J1A106A087	C 10UF , 10V	
	C8059	F1H0J1050013	C 1UF , 6.3V	
	C8060	F1G1C104A077	C 0.1UF , 16V	
	C8061	F1G1H1020008	C 1000PF , 50V	
	C8062	F1G1C104A077	C 0.1UF , 16V	
	C8063	F1G1H1020008	C 1000PF , 50V	
	C8064	F1H0J1050013	C 1UF , 6.3V	
	C8065	F1G1C104A077	C 0.1UF , 16V	
	C8067	F1H0J1050013	C 1UF , 6.3V	
	C8068	F1H0J1050013	C 1UF , 6.3V	
	C8069	F1G1C104A077	C 0.1UF , 16V	
	C8070	F1G1H1020008	C 1000PF , 50V	
	C8071	F1G1C104A077	C 0.1UF , 16V	
	C8073	F1G1C104A077	C 0.1UF , 16V	
	C8074	F1G1H1020008	C 1000PF , 50V	
	C8075	F1G1C104A077	C 0.1UF , 16V	
	C8078	F1H0J1050013	C 1UF , 6.3V	
	C8079	F1H0J1050013	C 1UF , 6.3V	
	C8080	F1H0J1050013	C 1UF , 6.3V	
	C8081	F1H0J1050013	C 1UF , 6.3V	
	C8082	F1J1A106A087	C 10UF , 10V	
	C8097	F1J1A106A087	C 10UF , 10V	
	C8101	F1G1C104A077	C 0.1UF , 16V	
	C8102	F1G1H5R0A564	C 5PF , 50V	
	C8104	F1G1H1020008	C 1000PF , 50V	
	C8105	F1G1H1020008	C 1000PF , 50V	
	C8110	F1G1C104A077	C 0.1UF , 16V	
	C8111	F1J1A106A087	C 10UF , 10V	
	C8112	F1G1H1020008	C 1000PF , 50V	
	C8113	F1H0J1050013	C 1UF , 6.3V	
	C8116	F1G1C104A077	C 0.1UF , 16V	
	C8120	F1G1C104A077	C 0.1UF , 16V	
	C8121	F1G1H1020008	C 1000PF , 50V	



Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	C8127	FlG1C104A077	C 0.1UF , 16V	
	C8130	FlG1C104A077	C 0.1UF , 16V	
	C8131	FlG1H1020008	C 1000PF , 50V	
	C8132	FlH0J1050013	C 1UF , 6.3V	
	C8133	FlG1H1020008	C 1000PF , 50V	
	C8136	FlG1C104A077	C 0.1UF , 16V	
	C8139	FlG1C104A077	C 0.1UF , 16V	
	C8140	FlG1H1020008	C 1000PF , 50V	
	C8141	FlG1C104A077	C 0.1UF , 16V	
	C8143	FlG1A105A047	C 1UF , 10V	
	C8144	FlG1A105A047	C 1UF , 10V	
	C8145	FlG1C104A077	C 0.1UF , 16V	
	C8146	FlG1H1020008	C 1000PF , 50V	
	C8147	FlG1C104A077	C 0.1UF , 16V	
	C8148	FlG1H1020008	C 1000PF , 50V	
	C8302	FlG1C104A077	C 0.1UF , 16V	
	C8303	FlG1H1020008	C 1000PF , 50V	
	C8304	FlH0J1050013	C 1UF , 6.3V	
	C8305	FlG1H221A541	C 220PF , 50V	
	C8306	FlG1H152A571	C 1500PF , 50V	
	C8307	FlG1H222A571	C 1500PF , 50V	
	C8308	FlG1C104A077	C 0.1UF , 16V	
	C8312	FlG1H181A541	C 220PF , 50V	
	C8313	FlG1C104A077	C 0.1UF , 16V	
	C8314	FlG1C104A077	C 0.1UF , 16V	
	C8315	FlG1H1020008	C 1000PF , 50V	
	C8324	EEH0J221UP	C 220UF , 6.3V	
	C8328	FlG1C104A077	C 0.1UF , 16V	
	C8331	FlG1H330A565	C 33PF , 50V	
	C8332	FlG1H330A565	C 33PF , 50V	
	C8333	FlG1H151A731	C 150PF , 50V	
	C8334	FlG1H221A541	C 220PF , 50V	
	C8335	FlG1H221A541	C 220PF , 50V	
	C8336	FlG1H390A731	C 39PF , 50V	
	C8337	FlG1H121A731	C 120PF , 50V	
	C8338	FlG1H121A731	C 120PF , 50V	
	C8339	FlG1H680A731	C 68PF , 50V	
	C8340	FlG1H1020008	C 1000PF , 50V	
	C8341	FlG1H1020008	C 1000PF , 50V	
	C8342	FlG1C104A077	C 0.1UF , 16V	
	C8343	FlG1C104A077	C 0.1UF , 16V	
	C8349	FlG1H1020008	C 1000PF , 50V	
	C8350	FlG1C104A077	C 0.1UF , 16V	
	C8351	FlG1H1020008	C 1000PF , 50V	
	C8352	FlG1C104A077	C 0.1UF , 16V	
	C8353	FlH0J1050013	C 1UF , 6.3V	
	C8354	FlH0J1050013	C 1UF , 6.3V	
	C8355	FlH0J1050013	C 1UF , 6.3V	
	C8370	FlG1C104A077	C 0.1UF , 16V	
	C8501	FlG1C104A077	C 0.1UF , 16V	
	C8503	FlG1C104A077	C 0.1UF , 16V	
	C8504	FlG1C104A077	C 0.1UF , 16V	
	C8505	FlG1C104A077	C 0.1UF , 16V	
	C8506	FlG1C104A077	C 0.1UF , 16V	
	C8512	EEH0B1C470P	E 47UF , 16V	
	C8513	FlG1C104A077	C 0.1UF , 16V	
	C8514	FlG1E1030005	C 0.01UF , 16V	
	C8515	FlJ1A106A087	C 10UF , 10V	
	C8517	FlJ1A106A087	C 10UF , 10V	
	C8519	FlH0J1050013	C 1UF , 6.3V	
	C8520	FlG1C104A077	C 0.1UF , 16V	
	C8851	FlH1A105A025	C 1UF , 10V	
	C8852	FlH1A105A025	C 1UF , 10V	
	C9900	FlJ1C475A170	C 4.7UF , 16V	
	C9903	FlG1C104A077	C 0.1UF , 16V	
		DIODES		
	D1002	EZJZ0V120JA	VARISTOR	
	D1003	EZJZ0V120JA	VARISTOR	
	D1004	EZAEG2A50AX	FILTER	
	D1005	EZAEG2A50AX	FILTER	
	D1006	EZAEG2A50AX	FILTER	
	D1007	EZAEG2A50AX	FILTER	
	D1008	EZAEG2A50AX	FILTER	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	D2142	K7AAAY000006	DIODE	
	D2500A	B3AAB0000343	LED	
	D4101	EZJZ0V120JA	VARISTOR	
	D4102	EZJZ0V120JA	VARISTOR	
	D4503	EZAEG2A50AX	FILTER	
	D4504	DZ2J056M0L	DIODE	
	D4505	DZ2J056M0L	DIODE	
	D4506	EZAEG2A50AX	FILTER	
	D4507	EZAEG2A50AX	FILTER	
	D4508	EZAEG2A50AX	FILTER	
	D4703	B0JCME000076	DIODE	
	D4704	B0ACCCJ000048	DIODE	
	D4800	B0JCME000076	DIODE	
	D4801	B0BC019A0007	DIODE	
	D4802	B0BC03200003	DIODE	
	D4803	B0JCPE000004	DIODE	
	D4804	B0JCPE000004	DIODE	
	D4805	B0JCME000076	DIODE	
	D4806	B0JCME000076	DIODE	
	D4807	B0JCME000076	DIODE	
	D4808	B0JCME000076	DIODE	
	D4809	B0JCME000076	DIODE	
	D4810	B0JCME000076	DIODE	
	D4811	B0JCME000076	DIODE	
	D4812	B0JCME000076	DIODE	
	D4813	B0JCME000076	DIODE	
	D4814	B0JCME000076	DIODE	
	D4815	B0ACCCJ000048	DIODE	
	D4816	B0ACCCJ000048	DIODE	
	D4817	B0BC4R700007	DIODE	
	D4818	B0BC17000001	DIODE	
	D4823	B0BC4R700007	DIODE	
	D4830	B0BC022A0007	DIODE	
	D4831	B0ACCCJ000048	DIODE	
	D4832	DZ2J047M0L	DIODE	
	D4833	B0ACCCJ000048	DIODE	
	D4834	B0ACCCJ000048	DIODE	
	D5600	B0ADEJ000035	DIODE	
	D5603	B0ACCCJ000048	DIODE	
	D5604	B0ACCCJ000048	DIODE	
	D5605	B0ACCCJ000048	DIODE	
	D5606	B0JCCE000008	DIODE	
	D5629	B0BC8R100004	DIODE	
	D5633	B0ACCCJ000048	DIODE	
	D5670	B0ACCCJ000048	DIODE	
	D5671	B0ACCCJ000048	DIODE	
	D5672	B0ACCCJ000048	DIODE	
	D5673	B0ACCCJ000048	DIODE	
	D5674	B0ACCCJ000048	DIODE	
	D5765	B0HCMM000014	DIODE	
	D5770	B0JCPG000030	DIODE	
	D5771	B0JCPG000030	DIODE	
	D5772	B0JCPG000030	DIODE	
	D7001	D4EAC6210002	VARISTOR	
	D7002	D4EAC6210002	VARISTOR	
	D7102	B0FBAT000008	DIODE	
	D7201	B0JAME000091	DIODE	
	D7202	B0JAME000091	DIODE	
	D7204	B0FABR000004	DIODE	
	D7207	B0EAKT000012	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	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	D7401	B0EAKR000016	DIODE	
	D7402	B0EAKT000019	DIODE	
	D7403	AU02A	DIODE	
	D7404	AU02A	DIODE	
	D7405	B0JAME000091	DIODE	
	D7407	B0EBKT000007	DIODE	
	D7408	B0EAKT000019	DIODE	
	D7409	B0BC01400017	DIODE	
	D7501	B0JBSL000023	DIODE	
	D7503	B0JBSL000031	DIODE	
	D7504	B0JBSL000031	DIODE	
	D7601	B0BA01000070	DIODE	
	D7603	B0JAPK000011	DIODE	
	D7702	B0ACCJ000048	DIODE	
	D7704	B0ACCJ000048	DIODE	
	D7705	B0BC8R100004	DIODE	
	D7751	B0BC022A0007	DIODE	
	D7752	B0BC03200003	DIODE	
	D7753	B0BC01400017	DIODE	
	D7801	B0JCME000092	DIODE	
	D7802	B0JCME000092	DIODE	
	D7803	B0JCME000092	DIODE	
	D7804	B0JCME000092	DIODE	
	D7805	B0HAMM000122	DIODE	
	D7806	B0HAMM000122	DIODE	
	D7808	B0ACCJ000048	DIODE	
	D7811	B0ACCJ000048	DIODE	
	D7812	DZ2J047M0L	DIODE	
	D7813	DZ2J047M0L	DIODE	
	D7870	B0ACDJ000014	DIODE	
	D7871	B0ACDJ000014	DIODE	
	D7872	B0ACDJ000014	DIODE	
	D7873	B0ACDJ000014	DIODE	
	D7874	B0ACDJ000014	DIODE	
	D7875	B0ACDJ000014	DIODE	
	D7876	B0ACDJ000014	DIODE	
	D7877	B0ACDJ000014	DIODE	
	D7880	B0ACDJ000014	DIODE	
	D7881	B0ACDJ000014	DIODE	
	D7882	B0ACDJ000014	DIODE	
	D7883	B0ACDJ000014	DIODE	
	D7884	B0ACDJ000014	DIODE	
	D7885	B0ACDJ000014	DIODE	
	D7886	B0ACDJ000014	DIODE	
	D7887	B0ACDJ000014	DIODE	
	D7888	DZ2J068M0L	DIODE	
	D7900	B0ACCJ000048	DIODE	
	D7901	B0ACCJ000048	DIODE	
	D7902	B0ACCJ000048	DIODE	
	D7903	B0ACCJ000048	DIODE	
	D7904	B0ACCJ000048	DIODE	
	D7905	B0ACCJ000048	DIODE	
	D7906	B0ACCJ000048	DIODE	
	D7907	B0ACCJ000048	DIODE	
	D7910	B0ACDJ000014	DIODE	
	D7911	B0ACDJ000014	DIODE	
	D7912	B0ACDJ000014	DIODE	
	D7913	B0ACDJ000014	DIODE	
	D7914	B0ACDJ000014	DIODE	
	D7915	B0ACDJ000014	DIODE	
	D7916	B0ACDJ000014	DIODE	
	D7917	B0ACDJ000014	DIODE	
	D8300	B0ACCJ000048	DIODE	
	D8303	B0BC17000001	DIODE	
	D8304	B0BC17000001	DIODE	
		INTEGRATED CIRCUITS		
	IC2106	C1AB00003069	IC	
	IC2110	C0JBAB000854	IC	
	IC4700	C1ZBZ0004161	IC	
	IC4701	C1ZBZ0004127	IC	
	IC4800	C0DBZYY00343	IC	
	IC4802	C0BFBF000074	IC	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	IC5601	C0EBF0000354	IC, RESET	
	IC5605	C0DBAGF00030	IC	
	IC5606	C0DBAYY00755	IC	
	IC5607	C0DBGYY00887	IC	
	IC5608	C0DBAYY00755	IC	
	IC5609	C0DBGYY00887	IC	
	IC5610	C0DBAYY00755	IC	
	IC5613	C0DBEYG00002	IC REGULATOR	
	IC7201	C0DBBZG00004	IC	
	IC7301	C0DABYY00025	IC	
	IC7401	C0DABYY00027	IC	
	IC7501	C0DBZMC00006	IC	
	IC7601	C0DBZMC00006	IC	
	IC7800	C0ZBZ0001729	IC	
	IC7801	C0DBZYY00349	IC	
	IC8001	C1AB00003249	IC	
	IC8002	C3ABSY000036	IC	
	IC8004	TVRR293	ROM IC (C3EBGY000026)	
	IC8502	TVRR300	ROM IC (C3FBQD000024)	
	IC8503	TVRR301	ROM IC (C3EBKY000014)	
	IC8850	C0DBGYY00203	IC	
		COILS		
	L2123	J0JCC0000287	COIL	
	L2125	J0JCC0000287	COIL	
	L2126	J0JYC0000068	COIL	
	L2127	J0JYC0000068	COIL	
	L2128	G1C330MA0416	INDUCTOR	
	L2129	G1C330MA0416	INDUCTOR	
	L2130	G1C330MA0416	INDUCTOR	
	L2131	G1C330MA0416	INDUCTOR	
	L4500	J0JYC0000068	COIL	
	L4501	J0JYC0000068	COIL	
	L4502	J0JYC0000068	COIL	
	L4503	J0JYC0000068	COIL	
	L4504	J0JYC0000068	COIL	
	L4505	J0JYC0000068	COIL	
	L4506	J0JYC0000068	COIL	
	L4507	J0JYC0000068	COIL	
	L4800	J0JHC0000046	EMI FILTER	
	L4801	J0JHC0000077	BEAD CORE	
	L4802	G1C220MA0234	COIL	
	L4803	G1C100MA0291	COIL	
	L5609	G1C6R8MA0416	COIL	
	L5610	G1C100MA0416	COIL	
	L5611	G1C220MA0416	COIL	
	L5613	J0JHC0000075	BEAD COIL	
	L7202	EXCELDR35V	CORE	
	L7206	EXCELDR35V	CORE	
	L7300	EXCELDR35V	CORE	
	L7401	EXCELDR35V	CORE	
	L7402	EXCELDR35V	CORE	
	L7601	EXCELSA35T	BEAD CORE	
	L7805	EXCELDR35V	CORE	
	L7806	EXCELDR35V	CORE	
	L8000	J0JHC0000045	COIL	
	L8002	J0JHC0000045	COIL	
	L8003	J0JHC0000045	COIL	
	L8004	J0JHC0000045	COIL	
	L8005	J0JHC0000045	COIL	
	L8006	J0JHC0000045	COIL	
	L8007	ELJRF10NJFB	CHIP COIL	
	L8008	J0JHC0000045	COIL	
	L8009	J0JHC0000045	COIL	
	L8010	J0JHC0000045	COIL	
	L8011	J0JHC0000045	COIL	
	L8012	J0JHC0000045	COIL	
	L8013	J0JHC0000045	COIL	
	L8014	J0JHC0000045	COIL	
	L8016	J0JHC0000045	COIL	
	L8017	J0JHC0000045	COIL	
	L8302	J0JGC0000070	BEAD CORE	
	L8306	J0JHC0000045	COIL	
	L8307	G1CR22JA0020	INDUCTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	L8308	G1CR22JA0020	INDUCTOR	
	L8309	G1C82NJA0075	INDUCTOR	
	L8310	G1CR10JA0020	INDUCTOR	
	L8311	G1CR10JA0020	INDUCTOR	
	L8312	G1C56NJ00018	INDUCTOR	
	L8313	G1C56NJ00018	INDUCTOR	
	L8314	G1CR18JA0020	INDUCTOR	
	L8315	J0JCC0000269	COIL	
	L8500	J0JHC0000045	COIL	
	L8501	J0JHC0000045	COIL	
		TRANSISTORS		
	Q2500	B1ABCF000231	TRANSISTOR	
	Q2504	B1ABCF000231	TRANSISTOR	
	Q2760	B1ABCF000231	TRANSISTOR	
	Q2761	B1ABCF000231	TRANSISTOR	
	Q4500	DSC2001S0L	TRANSISTOR	
	Q4501	DSC2001S0L	TRANSISTOR	
	Q4513	B1ADCE000022	TRANSISTOR	
	Q4515	B1HFCFA00026	TRANSISTOR	
	Q4702	DSC2001S0L	TRANSISTOR	
	Q4703	DSC2001S0L	TRANSISTOR	
	Q4704	DSC2001S0L	TRANSISTOR	
	Q4770	B1ADGJ000008	TRANSISTOR	
	Q4771	DSC2001S0L	TRANSISTOR	
	Q4801	DSC2001S0L	TRANSISTOR	
	Q4802	B1CFQD000001	TRANSISTOR	
	Q4803	B1ABCF000231	TRANSISTOR	
	Q4804	B1ADCE000022	TRANSISTOR	
	Q4805	B1ADCE000022	TRANSISTOR	
	Q4806	DSA2001S0L	TRANSISTOR	
	Q4808	DSC2001S0L	TRANSISTOR	
	Q5602	B1ADCE000022	TRANSISTOR	
	Q5605	B1ADCE000022	TRANSISTOR	
	Q5612	B1ABCF000231	TRANSISTOR	
	Q5613	B1ABCF000231	TRANSISTOR	
	Q5614	B1ABCF000231	TRANSISTOR	
	Q5615	B1ABGC000011	TRANSISTOR	
	Q5616	DSC2001S0L	TRANSISTOR	
	Q7201	B1CERR000043	TRANSISTOR	
	Q7301	B1CERQ000060	TRANSISTOR	
	Q7302	B1CERQ000060	TRANSISTOR	
	Q7303	DSC200100L	TRANSISTOR	
	Q7701	B1DHDC000028	TRANSISTOR	
	Q7702	DSC200100L	TRANSISTOR	
	Q7703	B1ABGF000019	TRANSISTOR	
	Q7704	DSC200100L	TRANSISTOR	
	Q7750	DSC2001S0L	TRANSISTOR	
	Q7751	DSA2001S0L	TRANSISTOR	
	Q7752	DSA2001S0L	TRANSISTOR	
	Q7753	DSC2001S0L	TRANSISTOR	
	Q7754	DSA2001S0L	TRANSISTOR	
	Q7801	B1CERG000030	TRANSISTOR	
	Q7802	B1CERG000030	TRANSISTOR	
	Q7803	B1CERG000030	TRANSISTOR	
	Q7804	B1CERG000030	TRANSISTOR	
	Q8002	B1ABCF000231	TRANSISTOR	
	Q8003	B1ABCF000231	TRANSISTOR	
	Q8005	B1CBGD000001	TRANSISTOR	
	Q8301	DSA2001S0L	TRANSISTOR	
	Q8302	DSA2001S0L	TRANSISTOR	
	Q8303	B1ABCF000231	TRANSISTOR	
	Q8304	B1ABCF000231	TRANSISTOR	
	Q8305	B1ADCE000022	TRANSISTOR	
	Q8306	B1ADCE000022	TRANSISTOR	
	Q8307	B1ABCF000231	TRANSISTOR	
	Q8308	DSA2001S0L	TRANSISTOR	
	Q9900	DSC200100L	TRANSISTOR	
	Q9901	DSA200100L	TRANSISTOR	
	Q9902	DSC200100L	TRANSISTOR	
	Q9904	DSC200100L	TRANSISTOR	
		RESISTORS		
	R1179	D1BB7151A055	M 7.15KOHM , 1/10W	
	R1180	ERJ2GEJ102X	M 1KOHM , J , 1/4W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R2114	D1BB75R0A055	M 75OHM , 1/10W	
	R2115	D1BB75R0A055	M 75OHM , 1/10W	
	R2116	D1BB75R0A055	M 75OHM , 1/10W	
	R2117	D0GA470JA015	M 47OHM , J , 1/10W	
	R2118	D0GA470JA015	M 47OHM , J , 1/10W	
	R2119	D0GA470JA015	M 47OHM , J , 1/10W	
	R2122	ERJ2GEJ221X	M 220 OHM , J , 1/10W	
	R2198	D0GA472JA015	M 4.7KOHM , J , 1/10W	
	R2199	D0GA472JA015	M 4.7KOHM , J , 1/10W	
	R2200	D1BB75R0A055	M 75OHM , 1/10W	
	R2218	D0GA680JA015	CHIP RESISTOR	
	R2223	D0GA680JA015	CHIP RESISTOR	
	R2227	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2256	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2258	D1BB75R0A055	M 75OHM , 1/10W	
	R2265	D1BB75R0A055	M 75OHM , 1/10W	
	R2281	D0GA303JA015	M 30KOHM ,J, 1/10W	
	R2283	D0GA223JA015	M 22KOHM , 1/10W	
	R2284	D0GA223JA015	M 22KOHM , 1/10W	
	R2286	D0GA303JA015	M 30KOHM ,J, 1/10W	
	R2288	D0GA223JA015	M 22KOHM , 1/10W	
	R2289	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2290	D0GA223JA015	M 22KOHM , 1/10W	
	R2294	D1BB75R0A055	M 75OHM , 1/10W	
	R2300	ERJ2GEJ151X	RESISTOR	
	R2302	D0GAR00Z0001	CHIP RESISTOR	
	R2303	ERJ2GEJ151X	RESISTOR	
	R2309	ERJ2GEJ151X	RESISTOR	
	R2311	ERJ2GEJ151X	RESISTOR	
	R2313	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2314	D0GA303JA015	M 30KOHM ,J, 1/10W	
	R2316	D0GA303JA015	M 30KOHM ,J, 1/10W	
	R2317	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2318	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2321	D0GA303JA015	M 30KOHM ,J, 1/10W	
	R2322	D0GA223JA015	M 22KOHM , 1/10W	
	R2323	D0GA223JA015	M 22KOHM , 1/10W	
	R2324	D0GA471JA015	M 470OHM , 1/10W	
	R2325	D0GA471JA015	M 470OHM , 1/10W	
	R2326	D1BB2212A055	M 221KOHM , 1/10W	
	R2327	D0GBR00Z0002	M 0OHM,J,1/10W	
	R2329	D1BA1822A014	M 18.2KOHM , 1/10W	
	R2330	ERJ2GEJ103X	M 10KOHM , 1/10W	
	R2331	D0GF3R3JA027	M 3.3OHM,J,1/16W	
	R2332	D0GF3R3JA027	M 3.3OHM,J,1/16W	
	R2333	D0GF3R3JA027	M 3.3OHM,J,1/16W	
	R2334	D0GF3R3JA027	M 3.3OHM,J,1/16W	
	R2335	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2336	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2337	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2338	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2340	D0GAR00Z0001	CHIP RESISTOR	
	R2342	J0JBC0000116	BEAD CORE	
	R2343	J0JBC0000116	BEAD CORE	
	R2344	J0JBC0000116	BEAD CORE	
	R2345	J0JBC0000116	BEAD CORE	
	R2348	D0GA303JA015	M 30KOHM ,J, 1/10W	
	R2378	ERJ2GEJ103X	M 10KOHM , 1/10W	
	R2384	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2385	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2386	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2387	D0GAR00Z0001	M 0OHM,J,1/10W	
	R2388	ERJ2GEJ220X	FIXED RESISTOR	
	R2391	D1BB75R0A055	CHIP RESISTOR	
	R2502	D0GA473JA015	M 100OHM ,J, 1/10W	
	R2504	D0GA223JA015	CHIP RESISTOR	
	R2509	D1BA6040A014	CHIP RESISTOR	
	R2512	D0GA470JA015	M 47OHM,J, 1/10W	
	R2514	D1BA1802A014	CHIP CAPACITOR	
	R2515	D1BA4702A014	CHIP RESISTOR	
	R2516	D0GA473JA015	M 47KOHM,J, 1/10W	
	R2517	D0GAR00Z0001	M 0OHM,J,1/10W ( A BOARD )	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R2517	ERJ2GEJ104X	FIXED RESISTOR ( V BOARD )	
	R2518	ERJ2GEJ103X	M 10KOHM, 1/10W	
	R2600	ERJ6GEY0R00	M 00HM,J,1/10W	
	R2601	ERJ6ENF1741	M1.74KOHM, 1/10W	
	R2602	ERJ6ENF1621	FIXED RESISTOR	
	R2603	ERJ6ENF2321	FIXED RESISTOR	
	R2604	ERJ6ENF3161	M3.16KOHM, 1/10W	
	R2605	ERJ6ENF2202	M 22KOHM, 1/10W	
	R2700	D0GAR00Z0001	M 00HM,J,1/10W	
	R2702	D0GAR00Z0001	M 00HM,J,1/10W	
	R2704	D0GAR00Z0001	M 00HM,J,1/10W	
	R2757	D0GA182JA015	CHIP RESISTOR	
	R2759	D0GA101JA015	M 100OHM ,J, 1/10W	
	R2760	D0GA101JA015	M 100OHM ,J, 1/10W	
	R2761	D0GA101JA015	M 100OHM ,J, 1/10W	
	R2762	D0GA101JA015	M 100OHM ,J, 1/10W	
	R2763	D0GA473JA015	M 100OHM ,J, 1/10W	
	R2764	D0GA473JA015	M 47KOHM,J, 1/10W	
	R2765	ERJ2GEJ103X	M 1KOHM , J , 1/4W	
	R2766	D0GA473JA015	F 10KOHM, J, 1/16W	
	R2767	ERJ2GEJ102X	M 1KOHM , J , 1/4W	
	R2769	ERJ2GEJ103X	M 10KOHM, 1/10W	
	R2770	D0GA473JA015	F 10KOHM, J, 1/16W	
	R2779	D0GDR00Z0002	M 47KOHM,J, 1/10W	
	R3015	D0GAR00Z0001	M 00HM,J,1/10W	
	R3016	D0GAR00Z0001	M 00HM,J,1/10W	
	R3017	D0GAR00Z0001	M 00HM,J,1/10W	
	R3026	D0GAR00Z0001	M 00HM,J,1/10W	
	R3027	D0GAR00Z0001	M 00HM,J,1/10W	
	R3124	D0GAR00Z0001	M 00HM,J,1/10W	
	R3125	D0GAR00Z0001	M 00HM,J,1/10W	
	R3126	D0GAR00Z0001	M 00HM,J,1/10W	
	R3256	ERJ2GEJ103X	M 1KOHM , J , 1/4W	
	R4001	D0GA101JA015	M 100OHM ,J, 1/10W	
	R4210	ERJ2GEJ103X	M 1KOHM , J , 1/4W	
	R4252	ERJ2GEJ103X	M 10KOHM, 1/10W	
	R4253	D0GA100JA015	M 100HM,J,1/10W	
	R4502	D0GA473JA015	M 47KOHM ,J, 1/10W	
	R4503	D0GA473JA015	M 47KOHM ,J, 1/10W	
	R4504	ERJ2GEJ103X	M 1KOHM , J , 1/4W	
	R4505	D0GAR00Z0001	M 00HM,J,1/10W	
	R4506	ERJ2GEJ103X	M 10KOHM, 1/10W	
	R4507	D0GAR00Z0001	M 00HM,J,1/10W	
	R4509	D0GA473JA015	M 47KOHM,J, 1/16W	
	R4512	D0GA473JA015	M 47KOHM,J, 1/16W	
	R4515	ERJ2GEJ102X	M 1KOHM , J , 1/4W	
	R4519	ERJ2GEJ102X	M 1KOHM , J , 1/4W	
	R4525	D0GAR00Z0001	M 00HM,J,1/10W	
	R4526	D0GA472JA015	M 4.7KOHM , J , 1/10W	
	R4527	D0GA472JA015	M 4.7KOHM , J , 1/10W	
	R4548	ERJ2GEJ220X	F 220HM ,J, 1/16W	
	R4549	ERJ2GEJ151X	RESISTOR	
	R4550	ERJ2GEJ151X	RESISTOR	
	R4556	ERJ2GEJ102X	M 1KOHM , J , 1/4W	
	R4560	D0GA151JA015	M 150OHM ,J, 1/16W	
	R4561	D0GA560JA015	M 560HM ,J, 1/16W	
	R4564	ERJ2GEJ103X	M 10KOHM, 1/10W	
	R4565	D0GAR00Z0001	M 00HM,J,1/10W	
	R4566	ERJ2GEJ103X	M 10KOHM, 1/10W	
	R4567	ERJ2GEJ103X	M 10KOHM, 1/10W	
	R4601	D0GAR00Z0001	M 00HM,J,1/10W	
	R4602	D0GAR00Z0001	M 00HM,J,1/10W	
	R4703	ERJ6GEYJ100	M 100HM,J,1/10W	
	R4705	ERJ2GEJ220X	F 220HM ,J, 1/16W	
	R4706	ERJ2GEJ220X	F 220HM ,J, 1/16W	
	R4711	D0GA472JA015	M 4.7KOHM , J , 1/10W	
	R4715	D0GA222JA015	M 2.2KOHM ,J, 1/10W	
	R4716	D0GA222JA015	M 2.2KOHM ,J, 1/10W	
	R4717	D0GA222JA015	M 2.2KOHM ,J, 1/10W	
	R4729	D0GA222JA015	M 2.2KOHM ,J, 1/10W	
	R4730	D0GA222JA015	M 2.2KOHM ,J, 1/10W	
	R4731	D0GA222JA015	M 2.2KOHM ,J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R4742	D0GD150JA036	M 150HM ,J, 1/10W	
	R4748	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R4752	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R4753	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R4762	EXB2HV220JV	RESISTOR ARRAY	
	R4775	D0GBR00Z0002	M 00HM,J,1/16W	
	R4777	D0GA473JA015	M 47KOHM,J, 1/10W	
	R4778	D0GA152JA015	M 1.5KOHM ,J, 1/16W	
	R4779	D0GA473JA015	M 47KOHM,J, 1/10W	
	R4780	EXB2HV220JV	RESISTOR ARRAY	
	R4781	D0GA101JA015	M 100OHM ,J, 1/10W	
	R4782	D0GA182JA015	M 1.8KOHM ,J, 1/16W	
	R4791	D0GDR00Z0002	M 00HM,J,1/16W	
	R4793	D0GA101JA015	M 100OHM ,J, 1/10W	
	R4794	ERJ2GEJ102X	M 1KOHM , J , 1/4W	
	R4795	ERJ2GEJ102X	M 1KOHM , J , 1/4W	
	R4796	D0GDR00Z0002	M 00HM,J,1/16W	
	R4802	EXB2HV220JV	RESISTOR ARRAY	
	R4803	D0GA472JA015	M 4.7KOHM , J , 1/10W	
	R4807	D0GAR00Z0001	M 00HM,J,1/10W	
	R4808	D0GAR00Z0001	M 00HM,J,1/10W	
	R4809	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R4816	D1BA2202A014	M22KOHM ,J, 1/10W	
	R4817	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R4820	D0GA473JA015	M 47KOHM ,J, 1/10W	
	R4821	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R4822	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R4830	ERJ2GEJ104X	F 100KOHM ,J, 1/16W	
	R4831	ERJ2GEJ104X	F 100KOHM ,J, 1/16W	
	R4845	EXB28VR000X	RESISTOR	
	R4847	D0GAR00Z0001	M 00HM,J,1/10W	
	R4849	EXB28VR000X	RESISTOR	
	R4853	EXB28VR000X	RESISTOR	
	R4857	EXB28VR000X	RESISTOR	
	R4860	D0GA223JA015	CHIP RESISTOR	
	R4861	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R4866	D0GA153JA015	M 15KOHM,J,1/10W	
	R4867	D0GA223JA015	M 22KOHM ,J, 1/10W	
	R4868	D0GAR00Z0001	M 00HM,J,1/10W	
	R4873	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R4874	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R4884	D0GD391JA036	M 390KOHM,1/10W	
	R4885	D1BA1001A014	M 1KOHM , J , 1/4W	
	R4886	D1BA2201A014	CHIP RESISTOR	
	R4887	D0GD271JA036	CHIP RESISTOR	
	R4888	D1BA2202A014	CHIP RESISTOR	
	R4889	D1BA3301A014	CHIP RESISTOR	
	R4890	D1BA1001A014	M 1KOHM , J , 1/4W	
	R4891	D1BA3001A014	CHIP RESISTOR	
	R4892	D1BA3301A014	CHIP RESISTOR	
	R4893	D1BA3002A014	CHIP RESISTOR	
	R4894	D0GAR00Z0001	CHIP RESISTOR	
	R4895	D1BA2201A014	CHIP RESISTOR	
	R4896	D1BA1002A014	CHIP RESISTOR	
	R4897	D1BA1002A014	CHIP RESISTOR	
	R4904	D0GAR00Z0001	M 00HM,J,1/10W	
	R4911	D0GAR00Z0001	M 00HM,J,1/10W	
	R4913	ERJ2GEJ103X	M 10KOHM, 1/10W	
	R4921	D0GA101JA015	CHIP RESISTOR	
	R4922	D0GAR00Z0001	M 00HM,J,1/10W	
	R4925	EXB28V100JX	RESISTOR	
	R4926	D0GAR00Z0001	M 00HM,J,1/10W	
	R4929	D0GA100JA015	CHIP RESISTOR	
	R4930	EXB28V100JX	RESISTOR	
	R4934	D0GA100JA015	CHIP RESISTOR	
	R4935	D0GA100JA015	CHIP RESISTOR	
	R4937	D0GA151JA015	CHIP RESISTOR	
	R4938	D0GA100JA015	CHIP RESISTOR	
	R4939	D0GA101JA015	CHIP RESISTOR	
	R4940	D0GA471JA015	CHIP RESISTOR	
	R4942	D0GA223JA015	CHIP RESISTOR	
	R4943	D0GA473JA015	CHIP RESISTOR	
	R4944	EXB28V151JX	FIXED RESISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R4946	EXB28V471JX	RESISTOR	
	R4955	D0GA101JA015	CHIP RESISTOR	
	R4958	D0GA101JA015	CHIP RESISTOR	
	R4963	D0GA471JA015	CHIP RESISTOR	
	R4964	D0GA151JA015	CHIP RESISTOR	
	R4965	D0GA151JA015	CHIP RESISTOR	
	R4969	D0GA471JA015	CHIP RESISTOR	
	R4974	D1BA1601A014	CHIP RESISTOR	
	R4975	D0GA472JA015	CHIP RESISTOR	
	R4991	ERJ2GEJ103X	M 10KOHM, 1/10W	
	R4995	ERJ2GEJ103X	M 10KOHM, 1/10W	
	R5605	D0GA223JA015	M 22KOHM, J, 1/10W	
	R5606	D0GA473JA015	M 47KOHM, J, 1/10W	
	R5607	D0GA152JA015	M 1.5KOHM, J, 1/16W	
	R5608	D0GA222JA015	M 2.2KOHM, J, 1/10W	
	R5610	D0GA471JA015	M 470OHM, J, 1/10W	
	R5623	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R5624	D0GA473JA015	M 47KOHM, J, 1/10W	
	R5625	D0GA683JA015	M 68KOHM, J, 1/10W	
	R5626	ERJ2GEJ104X	F 100KOHM, J, 1/16W	
	R5627	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R5629	D0GA105JA015	M 1MOHM, J, 1/16W	
	R5630	D0GA101JA015	M 100OHM, J, 1/10W	
	R5631	D0GA471JA015	M 470OHM, J, 1/10W	
	R5632	D0GA101JA015	M 100OHM, J, 1/10W	
	R5667	D1BB4301A087	M 4.3KOHM, J, 1/10W	
	R5668	D1BB1002A087	M 10KOHM, J, 1/10W	
	R5669	D1BA2201A014	M 2.2KOHM, J, 1/10W	
	R5670	D0GA223JA015	M 22KOHM, J, 1/10W	
	R5671	D0GA683JA015	M 68KOHM, J, 1/10W	
	R5672	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R5673	D0GA473JA015	M 47KOHM, J, 1/10W	
	R5674	D0GA222JA015	M 2.2KOHM, J, 1/10W	
	R5675	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R5676	D0GA473JA015	M 47KOHM, J, 1/10W	
	R5678	D1BB9101A087	M 12KOHM, J, 1/10W	
	R5679	D1BB1002A087	M 10KOHM, J, 1/10W	
	R5680	D1BA2201A014	M 2.2KOHM, J, 1/10W	
	R5681	D1BB4702A087	M 47KOHM, J, 1/10W	
	R5682	D1BB1002A087	M 10KOHM, 1/10W	
	R5683	D1BA6801A014	M 6.8KOHM, 1/10W	
	R5694	D0GA471JA015	M 470OHM, J, 1/10W	
	R5696	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R5697	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
	R5701	D1BA20010002	M 2KOHM, J, 1/10W	
	R5702	D1BA1001A014	M 1KOHM, J, 1/4W	
	R5705	D0GDR00Z0002	M 0OHM, J, 1/16W	
	R5706	D0GDR00Z0002	M 0OHM, J, 1/16W	
	R5707	D0GB150JA041	M 15OHM, J, 1/10W	
	R5708	D0GB150JA041	M 15OHM, J, 1/10W	
	R5709	D0GB150JA041	M 15OHM, J, 1/10W	
	R5710	D0GB2R2JA040	M 2.2OHM, J, 1/10W	
	R5711	D0GB2R2JA040	M 2.2OHM, J, 1/10W	
	R5712	D0GB2R2JA040	M 2.2OHM, J, 1/10W	
	R5713	D1BB6201A087	M 6.2KOHM, J, 1/10W	
	R5714	D1BB1241A087	CHIP RESISTOR	
	R5715	D1BB4301A087	CHIP RESISTOR	
	R5719	D0GA223JA015	M 22KOHM, J, 1/10W	
	R5720	D0GA473JA015	M 47KOHM, J, 1/10W	
	R5721	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R5723	D0GA222JA015	CHIP RESISTOR	
	R5724	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
⚠	R7001	ERC12GK105	S 1MOHM, K, 1/2W	
	R7084	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7092	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7094	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7095	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7096	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7097	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7098	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7099	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7100	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7101	D0GAR00Z0001	M 0OHM, J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R7102	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7103	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7104	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7105	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7106	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7107	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7108	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7109	D0GAR00Z0001	M 0OHM, J, 1/10W	
	R7110	D0GA680JA015	M 0OHM, J, 1/10W	
	R7111	D0GA680JA015	M 0OHM, J, 1/10W	
	R7201	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7202	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7203	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7204	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7205	ERJ6ENF2202	M 22KOHM, 1/10W	
	R7206	D0GD223JA036	M 22KOHM, J, 1/10W	
	R7210	D0GD562JA036	M 5.6KOHM, J, 1/10W	
	R7211	ERDS1TJ471	C 470OHM, J, 1/2W	
	R7212	D0GD681JA036	M 680OHM, J, 1/10W	
	R7213	D0GD101JA036	M 100OHM, J, 1/10W	
	R7214	ERDS1TJ220	C 22OHM, J, 1/2W	
	R7215	D0GD104JA036	M 100KOHM, J, 1/10W	
	R7216	ERX2SJR22P	M 0.22OHM, J, 2W	
	R7217	ERX2SJR47P	M 0.47OHM, J, 1/10W	
	R7220	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7221	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7222	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7223	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7224	ERJ6ENF1802	M 18KOHM, 1/10W	
	R7225	ERJ6ENF2701	M 2.7KOHM, 1/10W	
	R7226	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7227	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7228	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7229	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7230	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7231	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7232	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7233	ERJ6ENF3903	M 390KOHM, 1/10W	
	R7236	D0GD103JA036	M 10KOHM, J, 1/10W	
	R7301	ERDS1TJ330	C 33OHM, J, 1/2W	
	R7302	ERJ6ENF4700	M 470OHM, 1/10W	
	R7303	ERDS2TJ105	C 1MOHM, J, 1/4W	
	R7304	ERJ6ENF1200	M 120OHM, 1/10W	
	R7305	ERDS2TJ105	C 1MOHM, J, 1/4W	
	R7306	ERDS2TJ105	C 1MOHM, J, 1/4W	
	R7307	ERJ6RBD163	M 16KOHM, J, 1/10W	
	R7308	D0GD561JA036	M 560OHM, J, 1/10W	
	R7309	D0GF101JA026	M 100OHM, J, 1/10W	
	R7310	D0GD104JA036	M 100KOHM, J, 1/10W	
⚠	R7313	ERDS2TJ104	C 100KOHM, J, 1/4W	
	R7314	ERDS2TJ104	C 100KOHM, J, 1/4W	
	R7315	ERJ6RBD473	M 47KOHM, J, 1/10W	
	R7317	D0GF101JA026	M 100OHM, J, 1/10W	
	R7318	D0GF100JA026	M 100OHM, J, 1/10W	
	R7319	ERG12SJ100	M 10OHM, J, 1/2W	
	R7321	D0GD104JA036	M 100KOHM, J, 1/10W	
⚠	R7322	D0XB106J0003	M 10MOHM, J, 1W	
	R7323	D0GDR00Z0002	M 0OHM, J, 1/16W	
	R7401	ERF2AJ100P	M 10OHM, J, 2W	
	R7402	ERJ12YJ474U	M 470KOHM, J, 1/2W	
	R7403	ERDS1TJ3R3	C 3.3OHM, J, 1/2W	
	R7404	ERDS1TJ3R3	C 3.3OHM, J, 1/2W	
	R7405	ERDS1TJ220	C 22OHM, J, 1/2W	
	R7406	D0GD222JA036	M 22OHM, J, 1/10W	
	R7407	D0GD101JA036	M 100OHM, J, 1/10W	
	R7408	ERJ12YJ474U	M 470KOHM, J, 1/2W	
	R7409	ERJ12YJ474U	M 470KOHM, J, 1/2W	
	R7410	D0GD474JA036	M 470KOHM, J, 1/10W	
	R7411	D0GD393JA036	M 39KOHM, J, 1/10W	
	R7413	ERG2SJ330H	M 33OHM, J, 2W	
	R7503	D0GD102JA036	M 1KOHM, J, 1/4W	
	R7504	D0GD122JA036	M 1.2KOHM, J, 1/10W	
	R7505	D0GD272JA036	M 2.7KOHM, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R7506	ERJ6RBD822	M 8.2KOHM, 1/10W	
	R7507	ERJ6RBD271	M 270OHM, J, 1/10W	
	R7508	ERJ6RBD222	M 2.2KOHM, J, 1/10W	
	R7513	D0GDR00Z0002	M 00HM, J, 1/10W	
	R7514	D0GD333JA036	M 330HM, J, 2W	
	R7516	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
	R7517	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
	R7518	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
	R7519	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
	R7601	D0GD102JA036	M 1KOHM, J, 1/4W	
	R7602	D0GD151JA036	M 150OHM, J, 1/16W	
	R7603	D0GDR00Z0002	M 00HM, J, 1/10W	
	R7604	ERJ6ENF6801	M 6.8KOHM, 1/10W	
	R7605	ERJ6ENF4701	M 4.7KOHM, 1/10W	
	R7606	D0GD472JA036	M 4.7KOHM, J, 1/10W	
	R7701	D0GD223JA036	M 22KOHM, J, 1/10W	
	R7702	D0GD103JA036	M 10KOHM, J, 1/10W	
	R7703	D0GD102JA036	M 1KOHM, J, 1/4W	
	R7704	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7705	D0GD103JA036	M 10KOHM, J, 1/10W	
	R7706	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7707	D0GD821JA036	M 820OHM, J, 1/10W	
	R7708	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7710	D0GD124JA036	M 120KOHM, J, 1/10W	
	R7711	D0GD101JA036	M 100OHM, J, 1/10W	
	R7750	D0GD103JA036	M 10KOHM, J, 1/10W	
	R7751	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7752	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7753	D0GD103JA036	M 10KOHM, J, 1/10W	
	R7754	D0GD472JA036	M 4.7KOHM, J, 1/10W	
	R7755	D0GD472JA036	M 4.7KOHM, J, 1/10W	
	R7756	D0GD472JA036	M 4.7KOHM, J, 1/10W	
	R7757	D0GD472JA036	M 4.7KOHM, J, 1/10W	
	R7758	D0GD102JA036	M 1KOHM, J, 1/4W	
	R7759	D0GD472JA036	M 4.7KOHM, J, 1/10W	
	R7760	D0GD472JA036	M 4.7KOHM, J, 1/10W	
	R7763	D0GD101JA036	M 100OHM, J, 1/10W	
	R7801	D0GD101JA036	M 100OHM, J, 1/10W	
	R7802	D0GD4R7JA059	M 4.7OHM, J, 1/10W	
	R7803	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7804	D0GD101JA036	M 100OHM, J, 1/10W	
	R7805	D0GD4R7JA059	M 4.7OHM, J, 1/10W	
	R7806	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7807	D0GD101JA036	M 100OHM, J, 1/10W	
	R7808	D0GD4R7JA059	M 4.7OHM, J, 1/10W	
	R7809	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7810	D0GD101JA036	M 100OHM, J, 1/10W	
	R7811	D0GD4R7JA059	M 4.7OHM, J, 1/10W	
	R7812	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7813	D0GD472JA036	M 4.7KOHM, J, 1/10W	
	R7815	D0GD682JA036	M 6.8KOHM, 1/10W	
	R7816	D0GD682JA036	M 6.8KOHM, 1/10W	
	R7820	D0GD105JA036	M 150HM, J, 1/10W	
	R7821	D0GD824JA036	M 680KOHM, J, 1/10W	
	R7822	D0GD683JA036	M 47KOHM, J, 1/10W	
	R7823	ERJ6ENF1802	M 18KOHM, 1/10W	
	R7825	D0GD563JA036	M 47KOHM, J, 1/10W	
	R7826	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7828	ERJ6ENF1002	M 10KOHM, 1/10W	
	R7829	ERJ6ENF8201	M 8.2KOHM, 1/10W	
	R7830	D0GD273JA036	M 27KOHM, J, 1/10W	
	R7831	D0GDR00Z0002	M 00HM, J, 1/10W	
	R7832	D0GD102JA036	M 1KOHM, J, 1/4W	
	R7833	D0GD101JA036	M 100OHM, J, 1/10W	
	R7834	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7835	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7836	D0GD101JA036	M 100OHM, J, 1/10W	
	R7837	D0GDR00Z0002	M 00HM, J, 1/10W	
	R7841	D0GD473JA036	M 47KOHM, J, 1/10W	
	R7843	D0GDR00Z0002	M 00HM, J, 1/10W	
	R7844	D0GD1R0JA035	M 10HM, J, 1/10W	
	R7845	D0GD1R0JA035	M 10HM, J, 1/10W	
	R7846	D0GD1R0JA035	M 10HM, J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R7870	ERJ6ENF1802	M 18KOHM, 1/10W	
	R7871	ERJ6ENF1802	M 18KOHM, 1/10W	
	R7872	ERJ6ENF1802	M 18KOHM, 1/10W	
	R7873	ERJ6ENF1802	M 18KOHM, 1/10W	
	R7874	ERJ6ENF1802	M 18KOHM, 1/10W	
	R7875	ERJ6ENF1802	M 18KOHM, 1/10W	
	R7876	ERJ6ENF1802	M 18KOHM, 1/10W	
	R7877	ERJ6ENF1802	M 18KOHM, 1/10W	
	R7880	ERJ6ENF3900	M 390OHM, 1/10W	
	R7881	ERJ6ENF3900	M 390OHM, 1/10W	
	R7882	ERJ6ENF3900	M 390OHM, 1/10W	
	R7883	ERJ6ENF3900	M 390OHM, 1/10W	
	R7884	ERJ6ENF3900	M 390OHM, 1/10W	
	R7885	ERJ6ENF3900	M 390OHM, 1/10W	
	R7886	ERJ6ENF3900	M 390OHM, 1/10W	
	R7887	ERJ6ENF3900	M 390OHM, 1/10W	
	R7890	ERJ6ENF6801	M 6.8KOHM, 1/10W	
	R7891	ERJ6ENF6801	M 6.8KOHM, 1/10W	
	R7892	ERJ6ENF6801	M 6.8KOHM, 1/10W	
	R7893	ERJ6ENF6801	M 6.8KOHM, 1/10W	
	R7894	ERJ6ENF6801	M 6.8KOHM, 1/10W	
	R7895	ERJ6ENF6801	M 6.8KOHM, 1/10W	
	R7896	ERJ6ENF6801	M 6.8KOHM, 1/10W	
	R7897	ERJ6ENF6801	M 6.8KOHM, 1/10W	
	R7898	D0GDR00Z0002	M 00HM, J, 1/16W	
	R7899	D0GDR00Z0002	M 00HM, J, 1/16W	
	R7900	D0GDR00Z0002	M 00HM, J, 1/16W	
	R7901	D0GDR00Z0002	M 00HM, J, 1/16W	
	R7902	D0GDR00Z0002	M 00HM, J, 1/16W	
	R7914	D0GD472JA036	M 4.7KOHM, J, 1/10W	
	R8000	ERJ2GEJ102X	M 1KOHM, J, 1/4W	
	R8001	ERJ2GEJ102X	M 1KOHM, J, 1/4W	
	R8003	D1BA3010A014	M 301OHM, J, 1/10W	
	R8004	D1BA4020A014	M 402OHM, J, 1/10W	
	R8005	D1BA1020A014	M 102OHM, J, 1/10W	
	R8006	D1BA4020A014	M 402OHM, J, 1/10W	
	R8007	D1BA1020A014	M 102OHM, J, 1/10W	
	R8008	ERJ2GEJ102X	M 1KOHM, J, 1/4W	
	R8009	ERJ2GEJ102X	M 1KOHM, J, 1/4W	
	R8010	EXB28V101JX	M 100OHM, J, 1/10W	
	R8011	EXB28V101JX	M 100OHM, J, 1/10W	
	R8012	EXB28V101JX	M 100OHM, J, 1/10W	
	R8013	EXB28V101JX	M 100OHM, J, 1/10W	
	R8014	EXB28V101JX	M 100OHM, J, 1/10W	
	R8015	EXB28V101JX	M 100OHM, J, 1/10W	
	R8016	EXB28V101JX	M 100OHM, J, 1/10W	
	R8017	EXB28V101JX	M 100OHM, J, 1/10W	
	R8018	EXB28V101JX	M 100OHM, J, 1/10W	
	R8019	EXB28V101JX	M 100OHM, J, 1/10W	
	R8023	D0GA105JA015	M 1MOHM, J, 1/16W	
	R8024	D0GA152JA015	M 1.5KOHM, J, 1/16W	
	R8025	D1BB2001A055	M 2KOHM, J, 1/10W	
	R8026	D1BB2001A055	M 2KOHM, J, 1/10W	
	R8027	D1BB2001A055	M 2KOHM, J, 1/10W	
	R8029	D0GAR00Z0001	M 00HM, J, 1/10W	
	R8030	D0GAR00Z0001	M 00HM, J, 1/10W	
	R8037	ERJ2GEJ103X	F 10KOHM, J, 1/16W	
	R8039	D0GA472JA015	M 4.7KOHM, J, 1/10W	
	R8040	D0GA472JA015	M 4.7KOHM, J, 1/10W	
	R8041	D0GA472JA015	M 4.7KOHM, J, 1/10W	
	R8043	D0GA473JA015	M 47KOHM, J, 1/10W	
	R8044	ERJ2GEJ102X	M 1KOHM, J, 1/4W	
	R8045	D0GA473JA015	M 47KOHM, J, 1/10W	
	R8048	D0GA273JA015	M 27KOHM, J, 1/10W	
	R8049	D0GA101JA015	M 100OHM, J, 1/10W	
	R8050	D0GA101JA015	M 100OHM, J, 1/10W	
	R8051	D0GA101JA015	M 100OHM, J, 1/10W	
	R8053	ERJ2GEJ102X	M 1KOHM, J, 1/4W	
	R8054	D0GA122JA015	M 1.2KOHM, J, 1/10W	
	R8055	D0GA222JA015	M 2.2KOHM, J, 1/10W	
	R8056	D0GA152JA015	M 1.5KOHM, J, 1/16W	
	R8057	D0GA152JA015	M 1.5KOHM, J, 1/16W	
	R8058	ERJ2GEJ221X	M 1.2KOHM, J, 1/10W	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R8062	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8068	D0GA151JA015	M 1.5KOHM ,J, 1/16W	
	R8079	ERJ2RKF73R2X	M 73.2OHM ,J, 1/10W	
	R8089	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8090	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8091	D1BA80R6A014	M 80.6OHM ,J, 1/10W	
	R8098	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8099	ERJ2GEJ102X	F 1KOHM ,J, 1/16W	
	R8100	D0GA223JA015	M 22KOHM ,J, 1/10W	
	R8101	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8102	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8103	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8104	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8106	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8302	D0GA561JA015	M 560OHM ,J, 1/10W	
	R8303	ERJ2GEJ102X	M 1KOHM ,J, 1/4W	
	R8305	D0GA101JA015	M 100OHM ,J, 1/10W	
	R8306	D0GA222JA015	M 2.2KOHM ,J, 1/10W	
	R8307	D0GA101JA015	M 100OHM ,J, 1/10W	
	R8308	D0GA101JA015	M 100OHM ,J, 1/10W	
	R8309	D0GA750JA015	M 750OHM ,J, 1/10W	
	R8310	D0GA474JA015	M 470KOHM ,J, 1/16W	
	R8311	ERJ2GEJ103X	M 10KOHM ,1/10W	
	R8312	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8313	ERJ2GEJ103X	M 10KOHM ,1/10W	
	R8314	D0GA333JA015	M 33KOHM ,J, 1/10W	
	R8315	D0GA223JA015	M 22KOHM ,J, 1/10W	
	R8316	D0GA473JA015	M 47KOHM ,J, 1/10W	
	R8317	D0GA473JA015	M 47KOHM ,J, 1/10W	
	R8318	D0GA223JA015	M 22KOHM ,J, 1/10W	
	R8319	D0GA393JA015	M 39KOHM ,J, 1/10W	
	R8320	D0GA101JA015	M 100OHM ,J, 1/10W	
	R8321	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8322	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8323	D0GA333JA015	M 33KOHM ,J, 1/10W	
	R8324	D0GA101JA015	M 100OHM ,J, 1/10W	
	R8325	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8326	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8330	D0GA222JA015	M 2.2KOHM ,J, 1/10W	
	R8331	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8332	ERJ2GEJ220X	F 22OHM ,J, 1/16W	
	R8333	D0GA122JA015	M 1.2KOHM ,J, 1/10W	
	R8334	D0GA471JA015	M 470OHM ,1/10W	
	R8335	D0GDR00Z0002	M 0OHM,J,1/10W	
	R8336	ERJ2GEJ220X	F 22OHM ,J, 1/16W	
	R8337	ERJ2GEJ102X	F 1KOHM ,J, 1/16W	
	R8338	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8339	ERJ2GEJ221X	M 220OHM ,J, 1/10W	
	R8341	D0GD821JA036	M 820OHM ,J, 1/10W	
	R8342	ERJ2GEJ102X	M 1KOHM ,J, 1/4W	
	R8345	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8346	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8347	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8348	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8350	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8406	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8501	D0GA680JA015	M 680OHM ,J, 1/10W	
	R8502	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8512	EXB2HV680JV	RESISTOR	
	R8513	EXB2HV680JV	RESISTOR	
	R8514	EXB2HV680JV	RESISTOR	
	R8515	EXB2HV680JV	RESISTOR	
	R8516	EXB2HV680JV	RESISTOR	
	R8521	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8522	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8523	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8528	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8530	EXB2HV330JV	FIXED RESISTOR	
	R8531	D0GA680JA015	M 680OHM ,J, 1/10W	
	R8532	D0GA680JA015	M 680OHM ,J, 1/10W	
	R8533	D0GA680JA015	M 680OHM ,J, 1/10W	
	R8538	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8539	EXB2HV680JV	RESISTOR	

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	R8543	EXB2HV103JV	RESISTOR	
	R8546	D0GA101JA015	M 100OHM ,J, 1/10W	
	R8547	D0GA473JA015	M 47KOHM ,J, 1/10W	
	R8548	D0GA473JA015	M 47KOHM ,J, 1/10W	
	R8557	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8560	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R8851	D1BA2201A014	M 2.2KOHM ,J, 1/10W	
	R8852	D0GAR00Z0001	M 0OHM,J,1/10W	
	R8853	D1BA1001A014	M 1KOHM ,J, 1/4W	
	R9901	ERJ2GEJ103X	F 10KOHM ,J, 1/16W	
	R9902	ERJ2GEJ102X	M 1KOHM ,J, 1/4W	
	R9903	D0GA473JA015	M 47KOHM ,J, 1/10W	
	R9904	D0GA302JA015	M 3KOHM ,J, 1/10W	
	R9907	ERJ2GEJ102X	M 1KOHM ,J, 1/4W	
	R9908	ERJ2GEJ102X	M 1KOHM ,J, 1/4W	
	R9909	ERJ2GEJ103X	F 10KOHM ,J, 1/16W	
	R9912	ERJ2GEJ103X	F 10KOHM ,J, 1/16W	
	R9915	D0GA473JA015	M 47KOHM ,J, 1/10W	
	R9917	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R9919	D0GA272JA015	M 2.7KOHM ,1/10W	
	R9922	D0GA100JA015	M 100OHM ,J, 1/10W	
	R9923	D0GA680JA015	M 680OHM ,J, 1/10W	
	R9927	D0GAR00Z0001	M 0OHM,J,1/10W	
	R9984	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
	R9985	D0GA472JA015	M 4.7KOHM ,J, 1/10W	
		TRANSFORMERS		
	△	T7201	G4D3A0000208	TRANSFORMER
	△	T7301	G4DYA0000212	TRANSFORMER
	△	T7401	G4DYA0000211	TRANSFORMER
	△	T7801	G4FYA0000014	TRANSFORMER
	△	T7802	G4FYA0000014	TRANSFORMER
	△	T7803	G4FYA0000014	TRANSFORMER
	△	T7804	G4FYA0000014	TRANSFORMER
		OTHERS		
	A03	K1KA15AA0409	CONNECTOR	
	A04	K1KA04B00273	CONNECTOR	
	A10	K1KA08B00270	CONNECTOR	
	A11	K1KA04BA0055	CONNECTOR	
	A17	K1KA20AA0009	CONNECTOR	
	A18	K1KA08AA0714	CONNECTOR	
	A19	K1KA04AA0104	CONNECTOR	
	A22	K1MN55BA0076	CONNECTOR	
	CF7101	D4CAY8R0A010	COIL	
	△	F7001	K5D502BNA005	FUSE
		F7001-1	K3GE1ZZ00001	FUSE HOLDER
		F7001-2	K3GE1ZZ00001	FUSE HOLDER
		FL2100	J0HABB000003	EMI FILTER
		FL2101	J0HABB000003	EMI FILTER
		FL2102	J0HABB000004	EMI FILTER
		FL2103	J0HABB000004	EMI FILTER
		FL2104	J0HABB000004	EMI FILTER
		FL7000	EXC28CE201U	CHOKE COIL
		FL7001	EXC28CE201U	CHOKE COIL
		FL7002	EXC28CE201U	CHOKE COIL
		FL7003	EXC28CE201U	CHOKE COIL
		JA1	D0GDR00Z0002	CHIP RESISTOR
		JK2101B	K1U916A00001	CONNECTOR
		JK2108A	K1FY315A0006	CONNECTOR
		JK4501	K1FY119D0011	HDMI CONNECTOR
		JK4502	K1FY119D0011	HDMI CONNECTOR
		JK8502	K1NA12E00017	CONNECTOR
		JS1000	D0GAR00Z0001	CHIP RESISTOR
		JS1011	D0GAR00Z0001	CHIP RESISTOR
		JS2502	D0GAR00Z0001	CHIP RESISTOR
		JS2503	D0GAR00Z0001	CHIP RESISTOR
		K02	K1KA03BA0047	CONNECTOR
	△	LF7002	G0B103H00009	CHOKE COIL
	△	LF7003	G0B103H00009	CHOKE COIL
		P1	K1KY02A00001	CONNECTOR
		P2	K1KA16AA0658	CONNECTOR
		P5	K1KY02BA0257	CONNECTOR
		P6	K1KY02BA0257	CONNECTOR

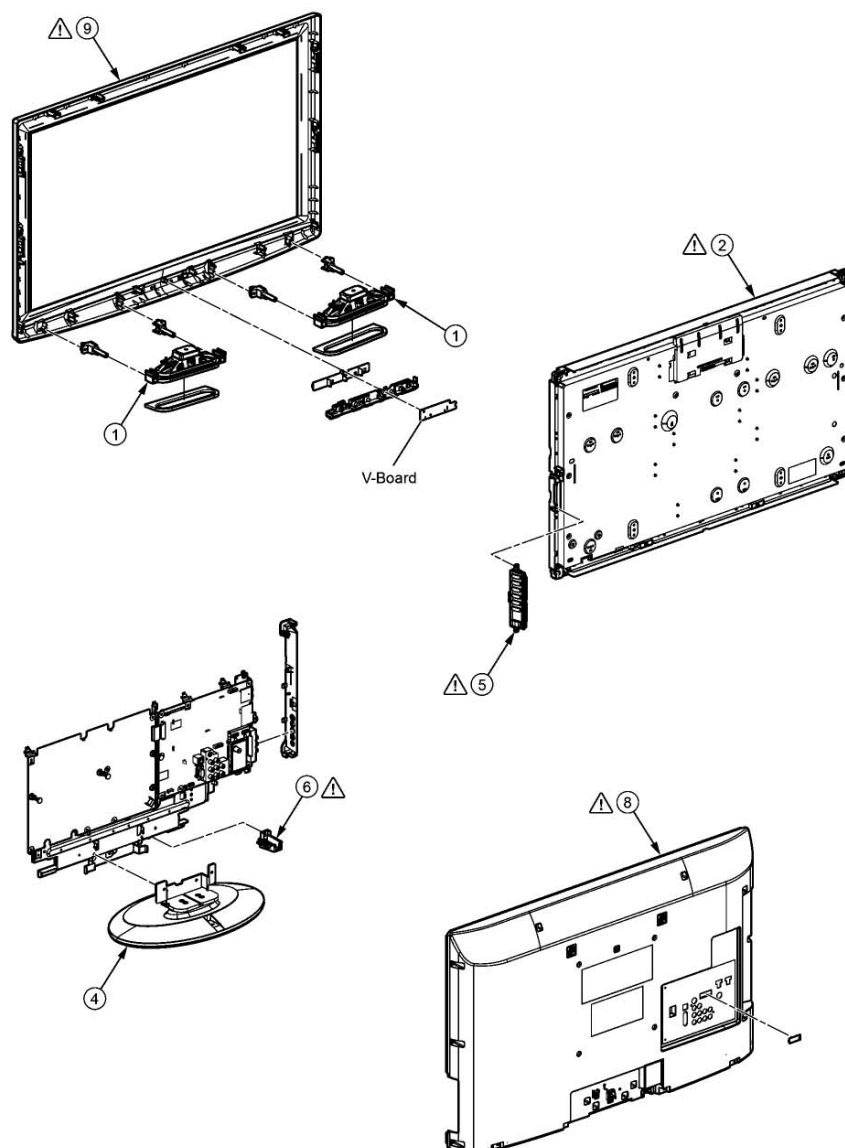
Safety	Ref. No.	Part No.	Part Name & Description	Remarks
	P7	K1KY02BA0257	CONNECTOR	
	P8	K1KY02BA0257	CONNECTOR	
	PA4800	K5H1622A0031	FUSE	
	PA4801	ERBSE1R50U	FUSE	
	PA4802	ERBSE1R50U	FUSE	
	PA4803	ERBSE1R50U	FUSE	
	PA7501	B1ZAZ0000016	TRANSISTOR	
⚠	PC7301	B3PAA0000363	PHOTO COUPLER	
⚠	PC7401	B3PAA0000363	PHOTO COUPLER	
⚠	PC7701	B3PAA0000363	PHOTO COUPLER	
⚠	RL7101	K6B1AYY00060	RELAY	
⚠	RL7102	K6B1AYY00060	RELAY	
⚠	RL7103	K6B1AYY00061	RELAY	
	RM2500	B3RAD0000168	PHOTO DETECTOR	
	SN2500	B3JB00000046	PHOTO DETECTOR	
	SW2600	K0H1BA000445	CONNECTOR	
	SW2601	K0H1BA000445	CONNECTOR	
	SW2602	K0H1BA000445	CONNECTOR	
	SW2603	K0H1BA000445	CONNECTOR	
	SW2604	K0H1BA000445	CONNECTOR	
	SW2605	K0H1BA000445	CONNECTOR	
	SW2607	K0H1BA000445	CONNECTOR	
⚠	TU8302	ENG36F12KF	TUNER	
	V10	K1KA07B00135	CONNECTOR	
	VR7800	EVMEASA00B14	TRIMMER POTENTIOMETER	
	X8000	H0J250500094	CRYSTAL OSC	
	ZA5400	K4ZZ01000267	SHIELD CHIP	
	ZA5401	K4ZZ01000267	SHIELD CHIP	
	ZA5402	K4ZZ01000267	SHIELD CHIP	
	ZA5405	K4ZZ01000267	SHIELD CHIP	
	ZA5408	K4ZZ01000267	SHIELD CHIP	
	ZA5409	K4ZZ01000267	SHIELD CHIP	
	ZA5410	K4ZZ01000267	SHIELD CHIP	
	ZA5411	K4ZZ01000267	SHIELD CHIP	
	ZA5412	K4ZZ01000267	SHIELD CHIP	
	ZA5413	K4ZZ01000267	SHIELD CHIP	
	ZA5414	K4ZZ01000267	SHIELD CHIP	
	ZA5415	K4ZZ01000267	SHIELD CHIP	
	ZA5416	K4ZZ01000267	SHIELD CHIP	
	ZA5417	K4ZZ01000267	SHIELD CHIP	
	ZA5418	K4ZZ01000267	SHIELD CHIP	
	ZA7002	K4AD01A00002	CONNECTOR	
	ZA7003	K4AD01A00002	CONNECTOR	
	ZA7004	K4AD01A00002	CONNECTOR	



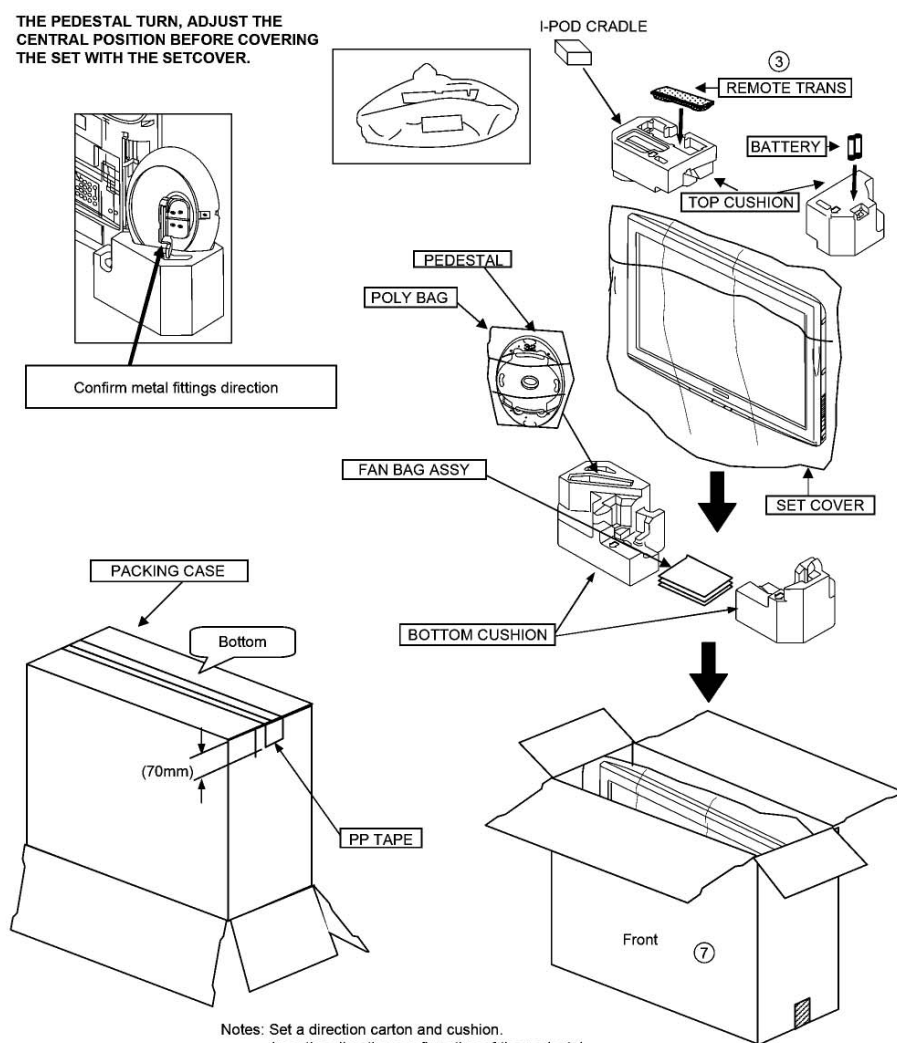
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**Model No. : TC-L32C22    Parts Location**





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## Model No. : TC-L32C22 Packing Exploded View



## Model No. : TC-L32C22 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		K2CB2YY00015	AC POWER CORD		
	1	L0AA14B00004	SPEAKER UNIT		
	2	L5EDD8Q00063	LCD PANEL		
	3	N2QAYB000485	REMOTE CONTROL TRANSMITTER		
	4	TBL4GA0042	PEDESTAL ASSY		
		TBM4GA002	PANASONIC LOGO SHEET		
		TBM4GC412	MODEL NAME PLATE		
		TBM4GU055	SIDE AV INDI. SHEET		
		TBM4GU065	REAR AV INDI. SHEET		
		TBX4GA01501	CONTROL BUTTON		
		THEJ024	SCREW		
		TKK4G8611	COVER		
		TKK4GC5026	LED PANEL		
		TKP4GA03803	SIDE AV BRACKET		
	5	TKP4GA03901	CONTROL PANEL		
		TKX4GA01301	LED SHADE - RIB		
		TKX4GA03201	SP BRACKET L		
		TKX4GA03301	SP BRACKET R		
		TKZ4GC5022	LCD SIDE MTG		
		TKZ4GC5023	LCD CORNER MTG L		
		TKZ4GG5002	LCD BOTTOM MTG		
		TKZ4GG5003	LCD SIDE MTG		
		TKZ4GG5005	METAL BRACKET		
		TKZ4GX5005	VESA METAL		
		TKZ4GX5014	METAL BRACKET BOTTOM		
		TKZ4GX5015	VESA METAL TOP		
		TKZ4GX5016	METAL BRACKET TOP-L		
		TKZ4GX5018	METAL SUPPORT-L		
		TKZ4GX5019	METAL SUPPORT-R		
		TMME268	CLAMPER		
		TMME332	CLAMPER		
		TMME381	EDGE SADDLE		
		TMX4GE007	BRACKET-IP		
	6	TMX4GX001	AC CORD BRACKET		
	RTL	TZT/A10QXL	A BOARD		
	RTL	TNPA4834AG	V BOARD		
	RTL	TNPA5123CA	P BOARD		
	RTL	TNPA5136	K BOARD		
	7	TPC4GA06303A	PACKING CASE		
		TPD4GA0120	TOP CUSHION		
		TPD4GA0130	BOTTOM CUSHION		
		TPE4GH014-1	SET COVER		
		TQZ4GB243-1	FAN BAG ASSY		

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**Model No. : TC-L32C22    Parts List**

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		TSXL973	LVDS CABLE		
	8	TTU4GA0314	BACK COVER ASSY		
	9	TTY4GA0119	CABINET ASSY		
		XSN3+6FJ	SCREW		
		XSS4+16FJK	SCREW		
		XSS6+12FJK	SCREW		
		XTB4+12JFJ	SCREW		
		XTB4+15JFJ	SCREW		
		XTB4+18JFJK	SCREW		
		XTS4+10GFJ	SCREW		
		XTV3+8GFJK	SCREW		
		XTW3+12TFJ	SCREW		
		XTW3+8SFJ	SCREW		
		XYC3+FJ8FJ	SCREW		
		XYN3+J8FJ	SCREW		
		XYN4+F12FJK	SCREW		