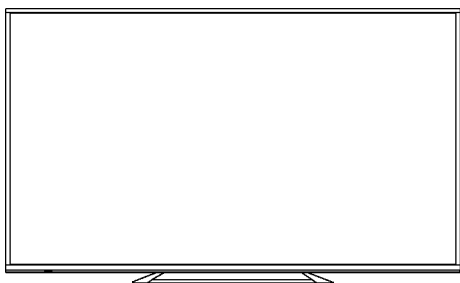


# Service Manual

LCD Television

Model No. **TX-40AS640B**  
**TX-40AS640E**  
**TX-40ASR650**


LA51 Chassis



## **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 conducting repairs and servicing, do not attempt to modify the equipment, its parts or its materials.
2. 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.
3. When conducting repairs and servicing, do not twist the Fasten connectors but plug them straight in or unplug them straight out.
4. 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.
5. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
6. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

## 1.2. Touch-Current Check

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

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

For d. c.:  $U_1 = 1.0 \text{ V}$ ,

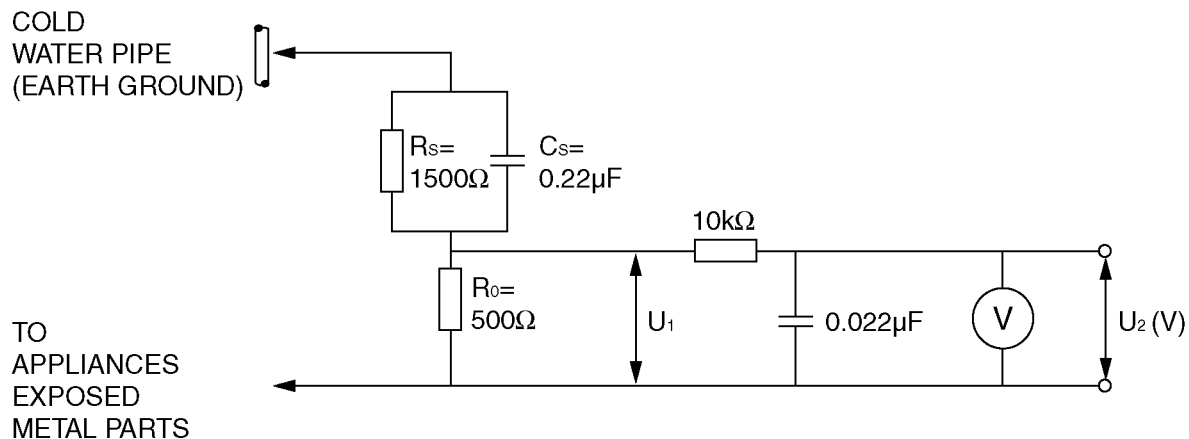
**Note:**

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

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

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

### Measuring network for TOUCH CURRENTS



Resistance values in ohms ( $\Omega$ )

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

Input resistance:  $\geq 1 \text{ M}\Omega$

Input capacitance:  $\leq 200 \text{ pF}$

Frequency range:  $15 \text{ Hz}$  to  $1 \text{ MHz}$  and d.c. respectively

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

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).

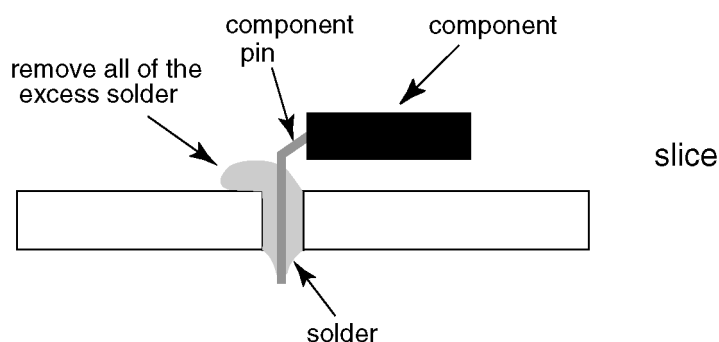
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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.

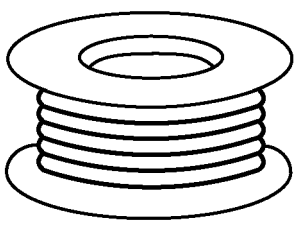
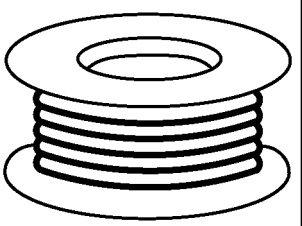
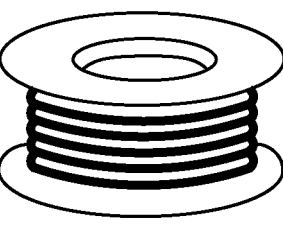
### Caution

- 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)



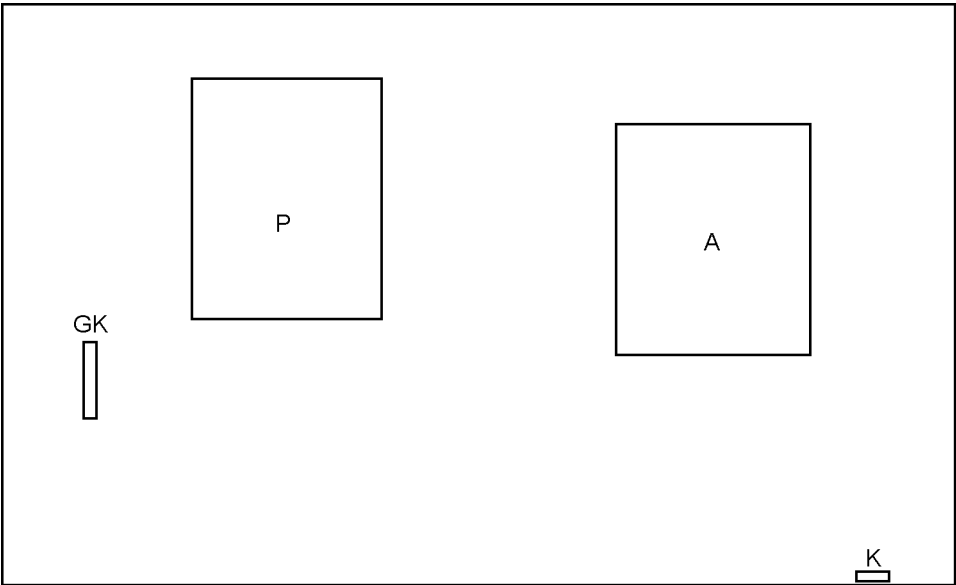
### Suggested Pb free solder

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. PCB Layout



Board Name	Function
A-Board	Main
P-Board	Power
K-Board	IR/LED/CATS
GK-Board	SWITCH

## 4 Specifications

### ■ Product fiche

Energy efficiency class	A+
Visible screen size (diagonal)	102 cm / 40 inches
On mode average power consumption (B/E)	51 W
Annual energy consumption *1 (B/E)	71 kWh
Rated power consumption (R)	96 W
On mode power consumption / screen area (R)	0.012 W / cm <sup>2</sup>
Standby power consumption *2	0.20 W
Off mode power consumption	0.20 W
Screen resolution	1 920 (W) × 1 080 (H)

\*1: Energy consumption XYZ kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days.  
The actual energy consumption will depend on how the television is used.

\*2: when the TV is turned off with the remote control and no function is active.

For the information of rated power consumption, refer to the label on the TV back cover.

### ■ TV

#### Dimensions (W × H × D)

918 mm × 581 mm × 247 mm (With Pedestal) (B/E)
918 mm × 537 mm × 57 mm (TV only) (B/E)
918 mm × 582 mm × 202 mm (With Pedestal) (R)
918 mm × 537 mm × 57 mm (TV only) (R)

#### Mass

11.0 kg Net (With Pedestal)
10.0 kg Net (TV only)

#### Power source

AC 220-240 V, 50 / 60 Hz

#### Panel

LED LCD panel

#### Sound

##### Speaker output

20 W (10 W + 10 W)

##### Headphones

M3 (3.5 mm) stereo mini Jack × 1

#### Connection terminals

##### AV1 input / output

##### SCART

(Audio/Video in, Audio/Video out, RGB in)

##### AV2 input (COMPONENT / VIDEO)

##### VIDEO

RCA PIN Type × 1 1.0 V [p-p] (75 Ω)

##### AUDIO L - R

RCA PIN Type × 2 0.5 V [rms]

##### Y

1.0 V [p-p] (including synchronisation)

##### P<sub>B</sub>/C<sub>B</sub>, P<sub>R</sub>/C<sub>R</sub>

± 0.35 V [p-p]

##### HDMI 1 / 2 / 3 input

TYPE A Connectors  
HDMI 1 / 3 : 3D, Content Type  
HDMI 2 : 3D, Content Type, Audio Return Channel  
• This TV supports "HDAVI control 5" function.

##### Card slot

Common Interface slot (complies with CI Plus) × 1

##### ETHERNET

RJ45, IEEE802.3 10BASE-T / 100BASE-TX

##### USB 1 / 2

##### USB1 / 2:

DC 5 V, Max. 500 mA [Hi-Speed USB (USB 2.0)]

##### DIGITAL AUDIO output

PCM / Dolby Digital / DTS, Fibre optic

#### Receiving systems / Band name (B)

Check the latest information on the available services at the following website.

<http://panasonic.net/viera/support>

##### DVB-T / T2

Digital terrestrial services

#### (UK)

##### PAL I

UHF E21 - 68

#### (Ireland)

##### PAL I

VHF A - J  
CATV S1 - S20  
UHF E21 - E69  
CATV S21 - S41 (Hyperband)

##### PAL 525/60

Playback of NTSC tape from some PAL Video recorders (VCR) or NTSC disc playback from DVD player and recorder

##### M. NTSC

Playback from M. NTSC Video recorders (VCR)

##### NTSC (AV input only)

Playback from NTSC Video recorders (VCR)

## Receiving systems / Band name (E)

Check the latest information on the available services at the following website. (English only)

<http://panasonic.net/viera/support>

<b>DVB-C</b>	Digital cable services (MPEG2 and MPEG4-AVC(H.264))	
<b>DVB-T / T2</b>	Digital terrestrial services (MPEG2 and MPEG4-AVC(H.264))	
<b>PAL B, G, H, I, SECAM B, G, SECAM L, L'</b>	VHF E2 - E12	VHF A - H (ITALY)
	CATV (S01 - S05)	CATV S11 - S20 (U1 - U10)
	VHF H1 - H2 (ITALY)	UHF E21 - E69
	CATV S1 - S10 (M1 - M10)	CATV S21 - S41 (Hyperband)
<b>PAL D, K, SECAM D, K</b>	VHF R1 - R2	VHF R3 - R5
	VHF R6 - R12	UHF E21 - E69
<b>PAL 525/60</b>	Playback of NTSC tape from some PAL Video recorders (VCR)	
<b>M.NTSC</b>	Playback from M.NTSC Video recorders (VCR)	
<b>NTSC (AV input only)</b>	Playback from NTSC Video recorders (VCR)	

## Receiving systems / Band name (R)

Check the latest information on the available services at the following website. (English only)

<http://panasonic.net/viera/support>

<b>DVB-C</b>	Digital cable services (MPEG2 and MPEG4-AVC(H.264))	
<b>DVB-T / T2</b>	Digital terrestrial services (MPEG2 and MPEG4-AVC(H.264))	
<b>PAL D, K, SECAM D, K</b>	VHF R1 - R2	VHF R3 - R5
	VHF R6 - R12	UHF E21 - E69
<b>PAL 525/60</b>	Playback of NTSC tape from some PAL Video recorders (VCR)	
<b>M.NTSC</b>	Playback from M.NTSC Video recorders (VCR)	
<b>NTSC (AV input only)</b>	Playback from NTSC Video recorders (VCR)	

## Aerial input

<b>(UK)</b>	UHF
<b>(Ireland) / E / R</b>	VHF / UHF

## Operating Conditions

<b>Temperature:</b>	0 °C - 35 °C
<b>Humidity:</b>	20 % - 80 % RH (non-condensing)

## Built-in wireless LAN

### Standard compliance and Frequency range\*1

IEEE802.11a/n (B/E)	5.180 GHz - 5.320 GHz, 5.500 GHz - 5.580 GHz, 5.660 GHz - 5.700 GHz
IEEE802.11a/n (R)	5.15 GHz - 5.35 GHz, 5.47 GHz - 5.85 GHz
IEEE802.11b/g/n (B/E)	2.412 GHz - 2.472 GHz
IEEE802.11b/g/n (R)	2.400 GHz - 2.4835 GHz

<b>Security</b>	WPA2-PSK (TKIP/AES), WPA-PSK (TKIP/AES), WEP (64 bit/128 bit)
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## Bluetooth wireless technology\*2

<b>Standard Compliance</b>	Bluetooth 3.0
<b>Frequency Range</b>	2.402 GHz - 2.480 GHz

\*1: The frequency and channel differ depending on the country. (B/E)

The frequency and channel differ depending on the country. Follow the regulations of your country for the frequency range. (R)

\*2: Not all the Bluetooth compatible devices are available with this TV. Up to 5 devices can be used simultaneously (except the 3D Eyewear and Touch Pad Controller). (B)

Not all the Bluetooth compatible devices are available with this TV. Up to 5 devices can be used simultaneously (except Touch Pad Controller). (E)

Not all the Bluetooth compatible devices are available with this TV. Up to 5 devices can be used simultaneously. (R)

## ■ 3D Eyewear (B)

<b>Dimensions (W × H × D)</b>	165 mm × 38 mm × 166 mm
<b>Mass</b>	Approx. 18 g
<b>Usage temperature range</b>	0 °C - 40 °C
<b>Battery</b>	Coin-shaped lithium battery CR2025
<b>Operation time</b>	Approx. 75 hours in continuous use of the battery made by Panasonic
<b>Materials</b>	
<b>Main body</b>	Resin
<b>Lens section</b>	Liquid crystal glass

## Note

- 3D Eyewear (B) and Touch Pad Controller (B/E) use Bluetooth wireless technology.
- Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.
- For the information of the open source software, refer to [eHELP] (Support > Licence).
- This equipment complies with the EMC standards listed below. (B/E)  
EN55013, EN61000-3-2, EN61000-3-3, EN55020, EN55022, EN55024 (B/E)



## 5 Technical Descriptions

### 5.1. Specification of KEY for CI Plus, DTCP-IP, One-to-One, Widevine, Netflix and HDCP

#### 5.1.1. General information:

1. eMMC (IC8903) for spare parts has the seed of KEY for each.
  2. The final KEY data will be generated by Main IC (IC8000) when SELF CHECK was done and are stored in both Main IC (IC8000) and eMMC (IC8903).
- All KEY are not generated for all models.  
The necessary KEY are only generated and stored depend on the feature of models.

#### 5.1.2. Replacement of ICs:

When Main IC (IC8000) is replaced, eMMC (IC8903) should be also replaced with new one the same time.

When eMMC (IC8903) is replaced, Main IC (IC8000) is not necessary to be replaced the same time.

After the replacement of IC, SELF CHECK should be done to generate the final KEY data.

How to SELF CHECK: While pressing [VOLUME ( - )] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

TV will be forced to the factory shipment setting after this SELF CHECK.

#### 5.1.3. Model and Keys:

Model No.	Keys					
	One-to-One (For USB Rec.)	CI Plus	DTCP-IP	WIDEVINE	Netflix	HDCP2
TX-40AS640B	None	Yes	Yes	Yes	Yes	Yes
TX-40AS640E	None	Yes	Yes	Yes	Yes	Yes
TX-40ASR650	None	Yes	None	Yes	Yes	Yes

# 6 Service Mode

## 6.1. How to enter into Service Mode

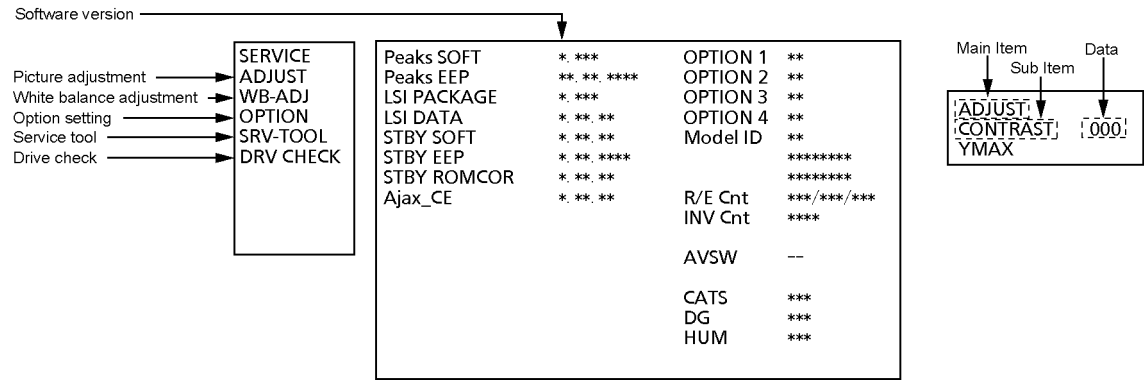
### 6.1.1. Purpose

After exchange parts, check and adjust the contents of adjustment mode.

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

**Note:**

- Service Mode can not be entered when 3D signal input.
- Input 2D signal to enter Service Mode.



### 6.1.2. Key command

- Press the [3/4] button to change the adjustment values or function.
- Press the [1/2] button to step up/down through the functions and adjustments.
- Press the numerical button [VOLUME (+/-)] to change of each option item.
- Press the [OK] button after each adjustment has been made to store the required values.

### 6.1.3. How to exit

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

#### 6.1.4. Contents of adjustment mode

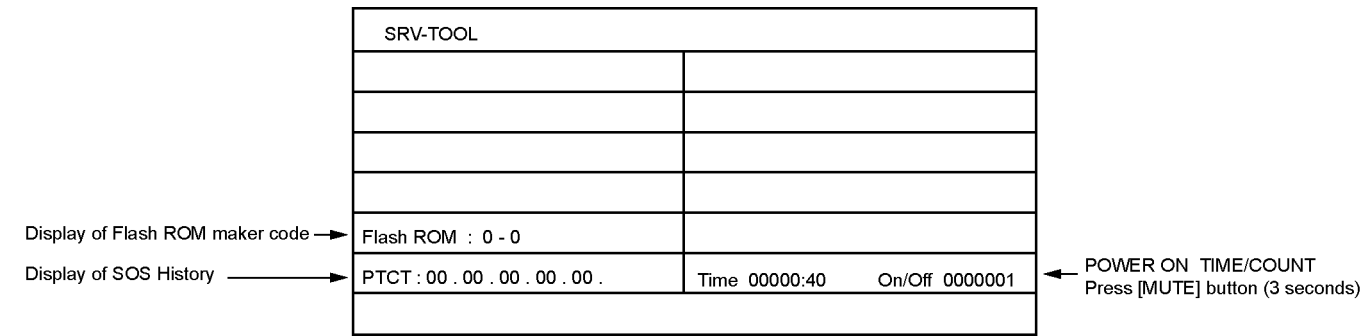
- Value is shown as a hexadecimal number.
- Preset value differs depending on models.
- After entering the adjustment mode, take note of the value in each item before starting adjustment.

Main item	Sub item	Sample Data	Remark
ADJUST	CONTRAST	24E	
	COLOR	2E	
	TINT	00	
	SUB-BRT	800	
	BACKLGT	FFF	
	H-POS	0	
	H-AMP	0	
	V-POS	0	
	V-AMP	0	
WB-ADJ	R-GAIN	80	
	G-GAIN	3B	
	B-GAIN	1A	
	R-CENT	71	
	G-CENT	80	
	B-CENT	7B	
OPTION	Boot	ROM	Factory Preset
	STBY-SET	00	
	CLK MODE	00	
	CLOCK	000	
	EMERGENCY	ON	
	Y/C Delay	0	
	OPT 1	00000100	
	OPT 2	11101110	
	OPT 3	00000001	
	OPT 4	00000000	
	EDID-CLK	MID	
SRV-TOOL		00	See Service tool mode
DRV CHECK	USBHDD CHECK	00	See DRV Check-USBHDD Check

6.2. Service tool mode

6.2.1. How to access

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



6.2.2. 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].

6.2.3. POWER ON Time, On/Off

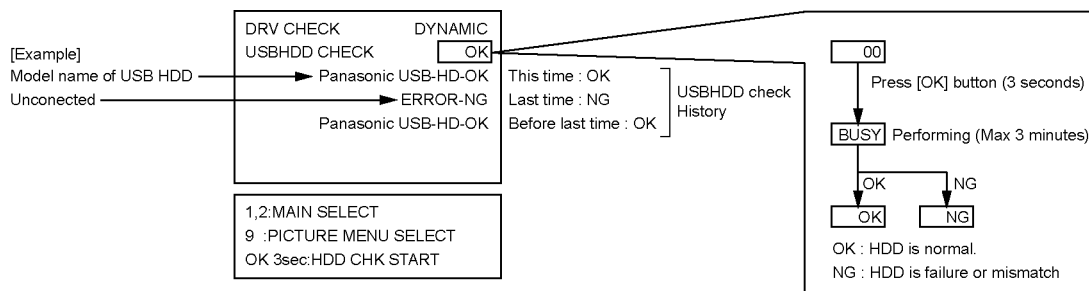
Note : To display TIME/COUNT menu, highlight position, then press MUTE for 3 seconds.  
Time : Cumulative power on time, indicated hour : minute by decimal  
On/Off : Number of On/Off switching by decimal  
Note : This indication will not be cleared by either of the self-checks or any other command.

6.2.4. Exit

Disconnect the AC cord from wall outlet or switch off the power with [ Power ] button on the main unit.

## 6.3. DRV Check - USBHDD Check

1. Select [DRV Check - USBHDD Check] in Service Mode.
2. Press [OK] button on the remote control for more than 3 seconds.



## 6.4. Hotel mode

### 6.4.1. Purpose

Restrict a function for hotels.

### 6.4.2. Access command to the Hotel mode setup menu

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

[TV]: Vol.[Down] + [REMOTE] : AV (3 times)

Then, the Hotel mode setup menu is displayed.

Hotel Mode	
Hotel Mode	Off
Initial INPUT	Off
Initial POS	Off
Initial VOL Level	Off
Maximum VOL Level	100
Button Lock	Off
Remote Lock	Off
Private Information	Keep

Select

Change

RETURN

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

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

### 6.4.4. Explain the Hotel mode setup menu

Item	Function
Hotel Mode	Select hotel mode On/Off
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off, Analogue, DVB (B), DVB-C (E/R), DVB-T (E/R), AV1, AV2, HDMI1, HDMI2, HDMI3 • Off: give priority to a last memory.
Initial POS	Select programme number. Selection : Off/0 to 99 • Off: give priority to a last memory
Initial VOL Level	Adjust the volume when each time power is switched on. Selection/Range : Off/0 to 100 • Off: give priority to a last memory
Maximum VOL Level	Adjust maximum volume. Range : 0 to 100
Button Lock	Select local key conditions. Selection : Off/SETUP/MENU • Off: altogether valid • SETUP: only F-key is invalid (Tuning guide (menu) can not be selected.) • MENU: only F-key is invalid (only Volume/Mute can be selected.)
Remote Lock	Select remote control key conditions. Selection : Off/SETUP/MENU • Off: altogether valid • SETUP: only Setup menu is invalid • MENU: Picture/Sound/Setup menu are invalid
Private Information	Select private information for VIERA Cast is Keep or Reset if Hotel mode is set to [On] when TV power on. Selection : Keep/Reset • Keep: private information for VIERA Cast is keep • Reset: private information for VIERA Cast is reset

## 6.5. Data Copy by USB Memory

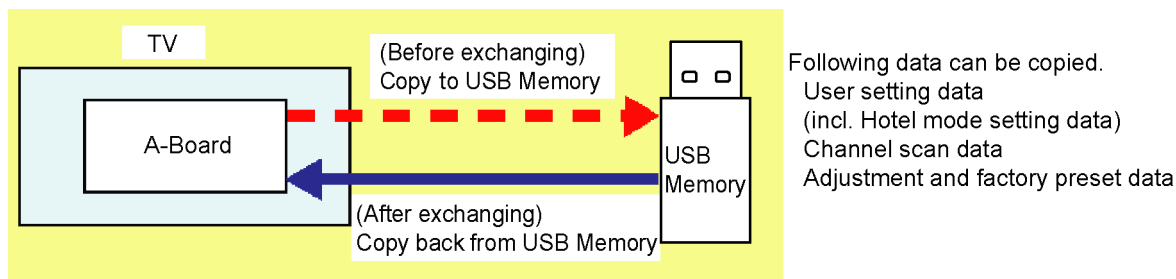
### Note:

SD card can not be used for Data Copy.

### 6.5.1. Purpose

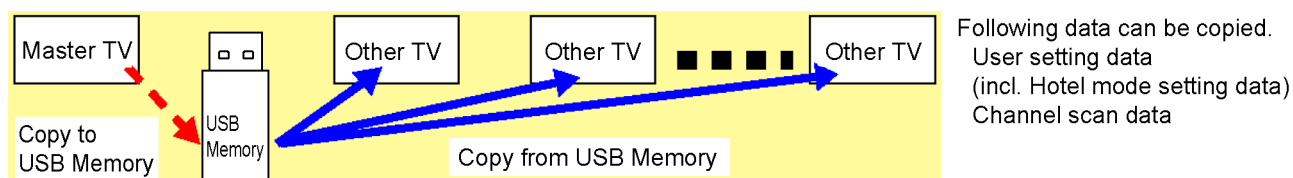
#### (a) Board replacement (Copy the data when exchanging A-board):

When exchanging A-board, the data in original A-board can be copied to USB Memory and then copy to new A-board.



#### (b) Hotel (Copy the data when installing a number of units in hotel or any facility):

When installing a number of units in hotel or any facility, the data in master TV can be copied to USB Memory and then copy to other TVs.



### 6.5.2. Preparation

Make pwd file as startup file for (a) or (b) in a empty USB Memory.

1. Insert a empty USB Memory to your PC.
2. Right-click a blank area in a USB Memory window, point to New, and then click text document. A new file is created by default (New Text Document.txt).
3. Right-click the new text document that you just created and select rename, and then change the name and extension of the file to the following file name for (a) or (b) and press ENTER.

### File name:

(a) For Board replacement : boardreplace.pwd

(b) For Hotel : hotel.pwd

### Note:

Please make only one file to prevent the operation error.

No any other file should not be in USB Memory.

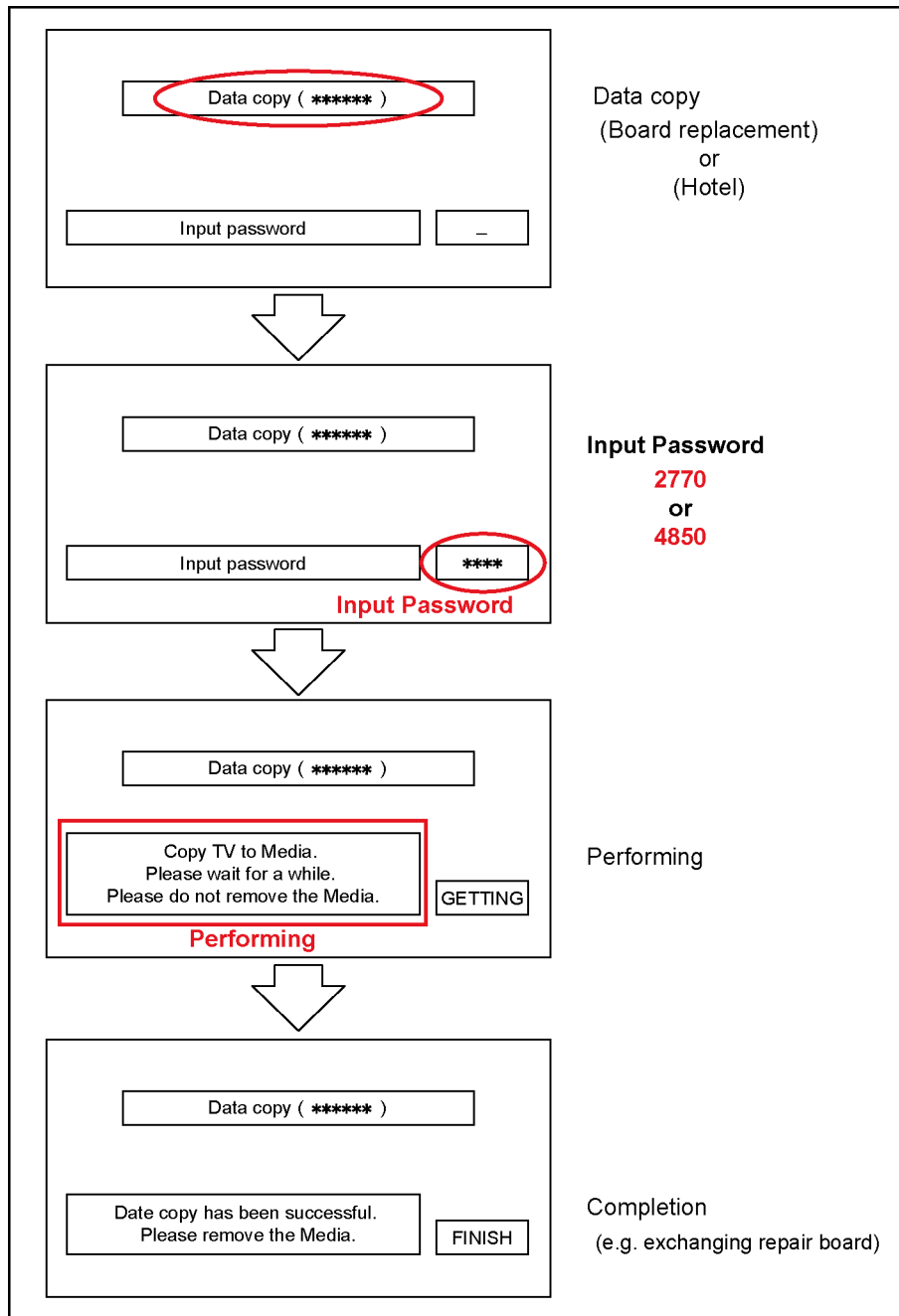
### 6.5.3. Data copy from TV set to USB Memory

1. Turn on the TV set.
2. Insert USB Memory with a startup file (pwd file) to USB terminal.  
On-screen Display will be appeared according to the startup file automatically.
3. Input a following password for (a) or (b) by using remote control.  
(a) For Board replacement : 2770  
(b) For Hotel : 4850  
Data will be copied from TV set to USB Memory.  
It takes around 2 to 6 minutes maximum for copying.
4. After the completion of copying to USB Memory, remove USB Memory from TV set.
5. Turn off the TV set.

**Note:**

Following new folder will be created in USB Memory for data from TV set.

- (a) For Board replacement : user\_setup
- (b) For Hotel : hotel

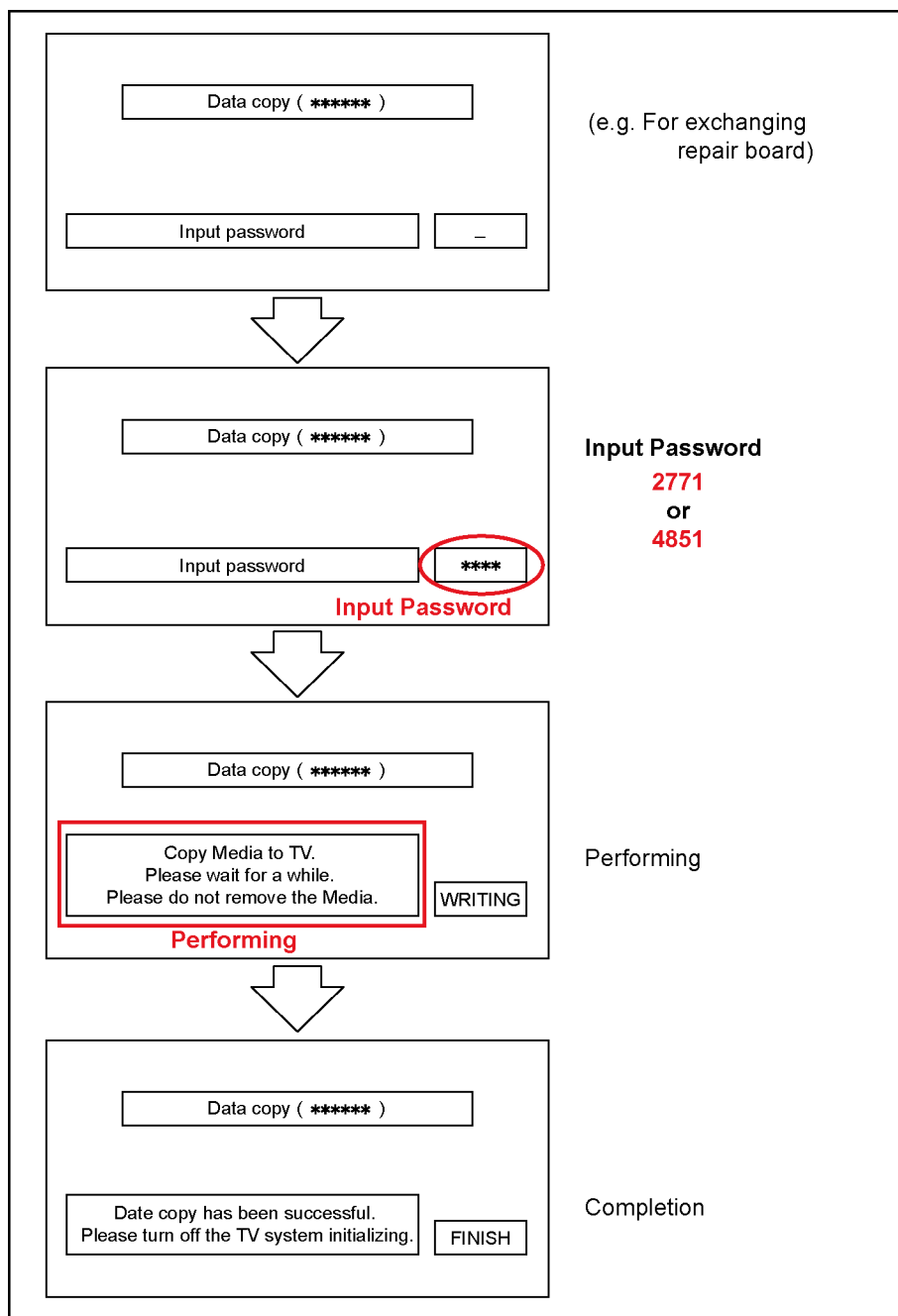


#### 6.5.4. Data copy from USB Memory to TV set

1. Turn on the TV set.
2. Insert USB Memory with Data to USB terminal.  
On-screen Display will be appeared according to the Data folder automatically.
3. Input a following password for (a) or (b) by using remote control.  
(a) For Board replacement : 2771  
(b) For Hotel : 4851  
Data will be copied from USB Memory to TV set.
4. After the completion of copying to USB Memory, remove USB Memory from TV set.  
(a) For Board replacement : Data will be deleted after copying (Limited one copy).  
(b) For Hotel : Data will not be deleted and can be used for other TVs.
5. Turn off the TV set.

**Note:**

1. Depending on the failure of boards, function of Data copy for board replacement does not work.
2. This function can be effective among the same model numbers.





## 7 Troubleshooting Guide

Use the self-check function to test the unit.

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

### 7.1. Check of the IIC bus lines

#### 7.1.1. How to access

##### 7.1.1.1. 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.

##### 7.1.1.2. 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.

#### 7.1.2. Screen display

40FHD			SELF CHECK COMPLETE		
H14TUN	OK	PEAKS-SOFT	*	***	MODEL ID ** ***** *****
H90STBY	OK	PEAKS-EEP	**	**, ****	
H92MEM1	OK	LSI-PACKAGE	*	***	
H91MEM2	OK	LSI-RELEASE	*	**	
H17LAN	OK	STBY-SOFT	*	**, **	
H00FE	OK	STBY-EEP	*	**, ****	
H96ID	OK				
H97ID2	OK				
H45BT	OK				
H42WiFi	OK				

### 7.1.3. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Check Ref. No.	Description	Check Point
H14TUN	TU6705	TUNER	A-BOARD
H90STBY	IC8000	PEAKS-LD6 (STM)	A-BOARD
H92MEM1	IC8000	BLOCK-EEP	A-BOARD
H91MEM2	IC8901	STM EEPROM	A-BOARD
H17LAN	IC8650	ETHERPHY	A-BOARD
H00FE	IC6800	DEM0D	A-BOARD
H96ID		ID	A-BOARD
H97ID2		ID2	A-BOARD
H45BT		BLUETOOTH	A-BOARD/BLUETOOTH
H42WiFi		WiFi	A-BOARD/WiFi

### 7.1.4. Exit

Disconnect the AC cord from wall outlet or press the [POWER] button on the main unit for 3 seconds to turn off and then turn on automatically.

## 7.2. Power LED Blinking timing chart

### 1. Subject

Information of LED Flashing timing chart.

### 2. Contents

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

Blinking Times	Contents	Check point
1	BL SOS	LCD PANEL P-Board
3 (fast blinking)	IROM SOS	A-Board
7	SUB 3.3V	A-Board
9	SOUND SOS	A-Board Speaker
12	BE SOS	A-Board
13	EMERGENCY SOS	A-Board

## 7.3. LCD Panel test mode

### Purpose:

To find the possible failure point where in LCD Panel or Printed Circuit Board when the abnormal picture is displayed.

### How to Enter:

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

### How to Exit:

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

### How to confirm:

If the abnormal picture is displayed, go into LCD Panel test mode to display the several test patterns.

And then, judge by the following method.

Still abnormal picture is displayed: The cause must be in LCD Panel.

Normal picture is displayed: The cause must be in A board.

### Remarks:

The test pattern is created by the circuit in LCD Panel.

In LCD Panel test mode, this test pattern is displayed unaffected by signal processing for RF or input signal.

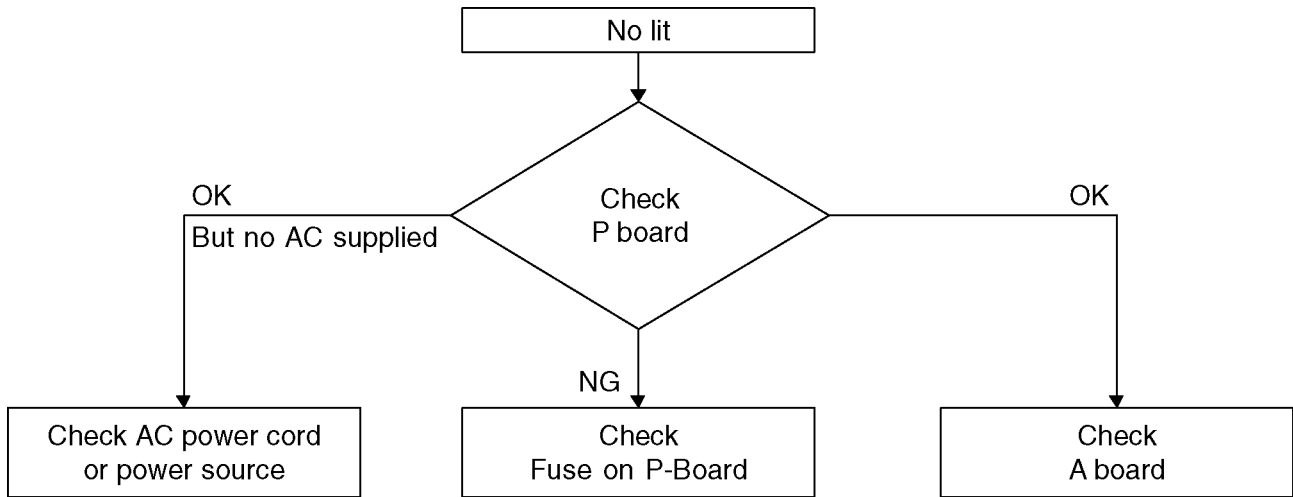
If the normal picture is displayed, LCD Panel must be okay and the cause of failure must be in A board.

## 7.4. No Power

### First check point

There are following 3 states of No Power indication by power LED.

1. No lit
2. Green is lit then turns red blinking a few seconds later. (See Power LED Blinking timing chart)
3. Only red is lit.

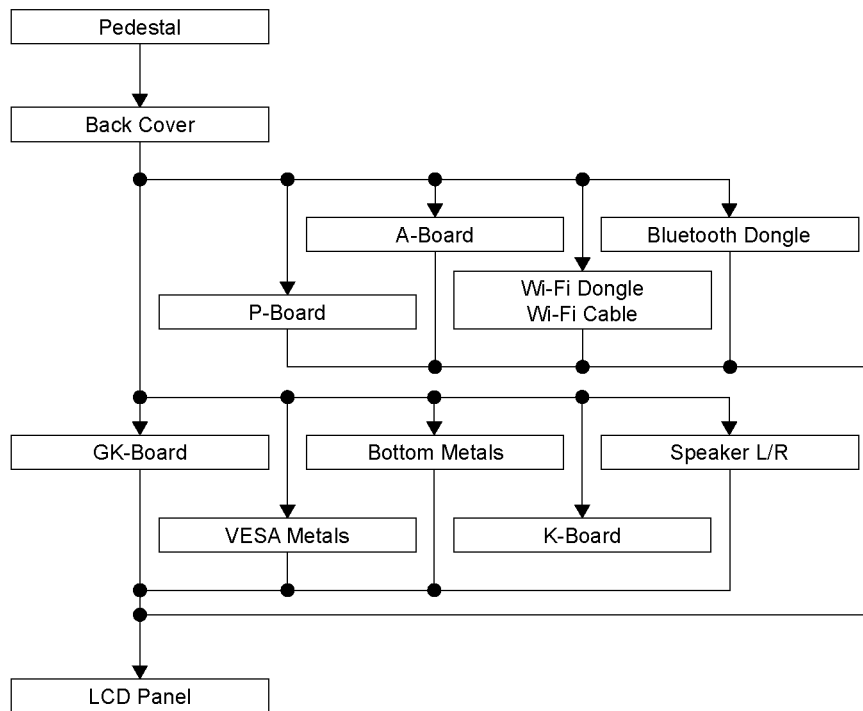


## 8 Disassembly and Assembly Instructions

### 8.1. Disassembly Flow Chart for the Unit

This is a disassembly chart.

When assembling, perform this chart conversely.



## 8.2. Disassembly Procedure for the Unit

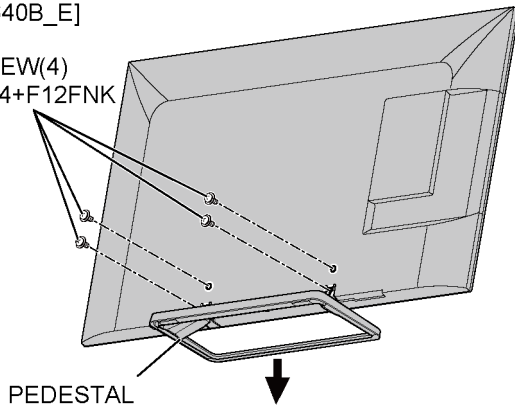
Lay down the unit so that the rear cover faces upward.

### 8.2.1. Pedestal

1. Remove the 4 screws.
2. Remove the Pedestal.

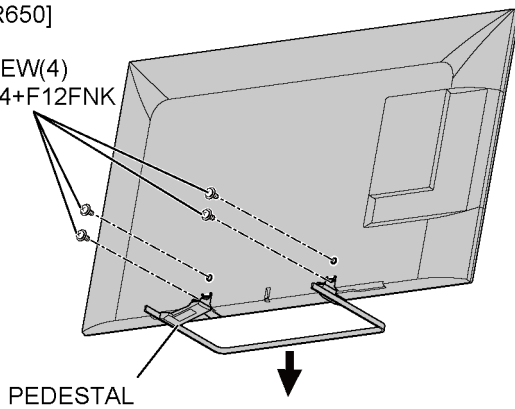
[AS640B\_E]

SCREW(4)  
XYN4+F12FNK



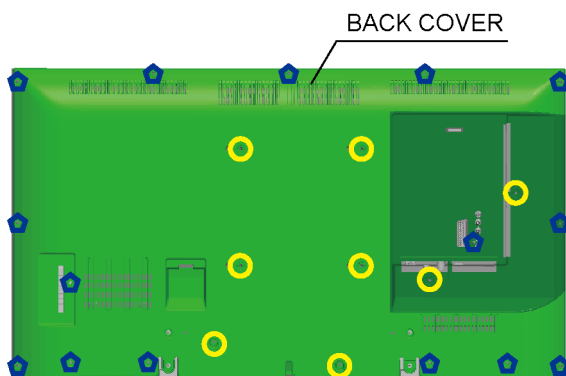
[ASR650]

SCREW(4)  
XYN4+F12FNK



### 8.2.2. Back Cover

1. Remove the 15 screws (A).
2. Remove the 8 screws (B).
3. Remove the Back Cover.

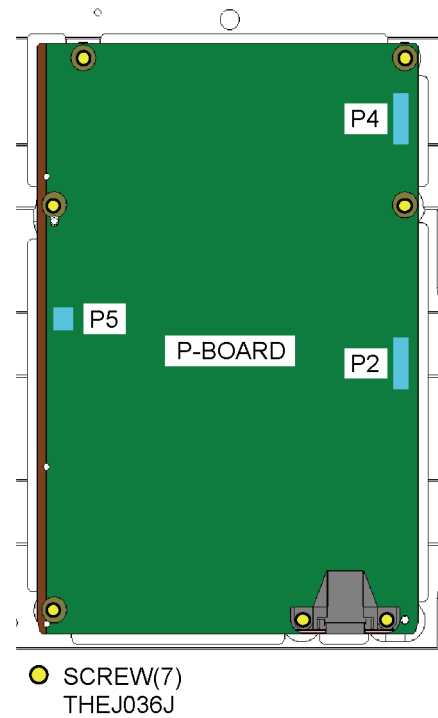


SCREW(A)(15) THEJD037J

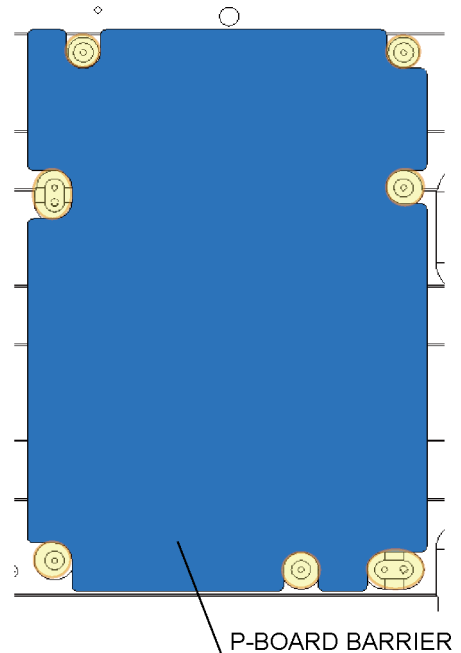
SCREW(B)(8) THEC1509

### 8.2.3. P-Board

1. Remove the 7 screws.
2. Disconnect the connectors (P2, P4 and P5).
3. Remove the P-Board.

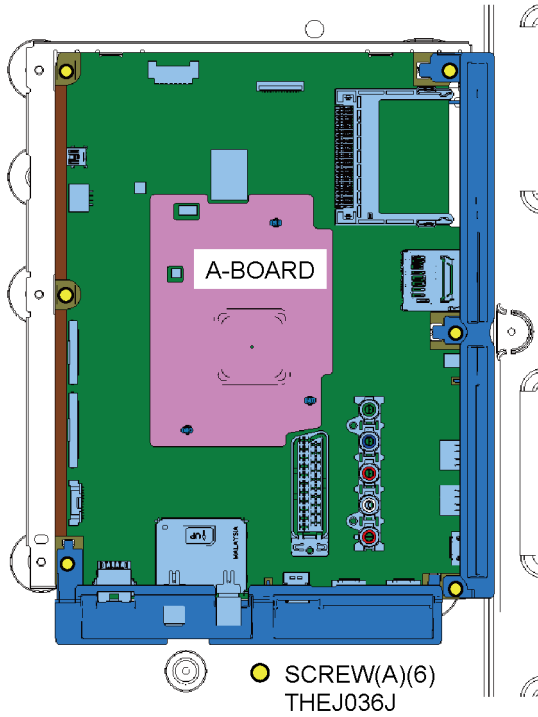


4. Remove the P-Board Barrier.

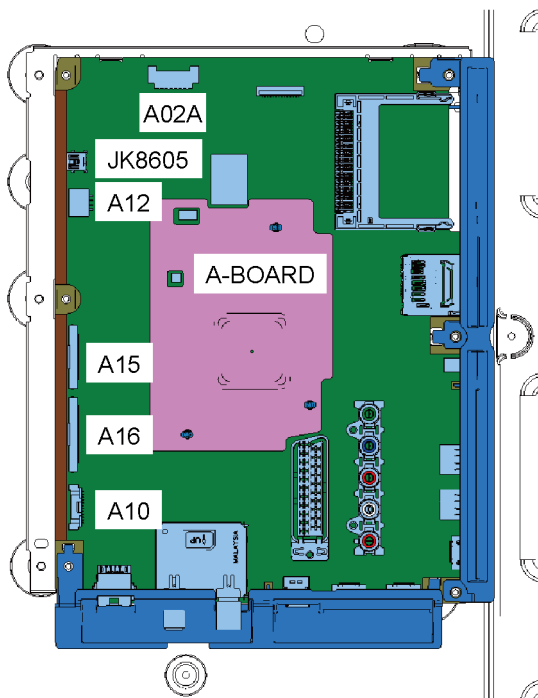


#### 8.2.4. A-Board

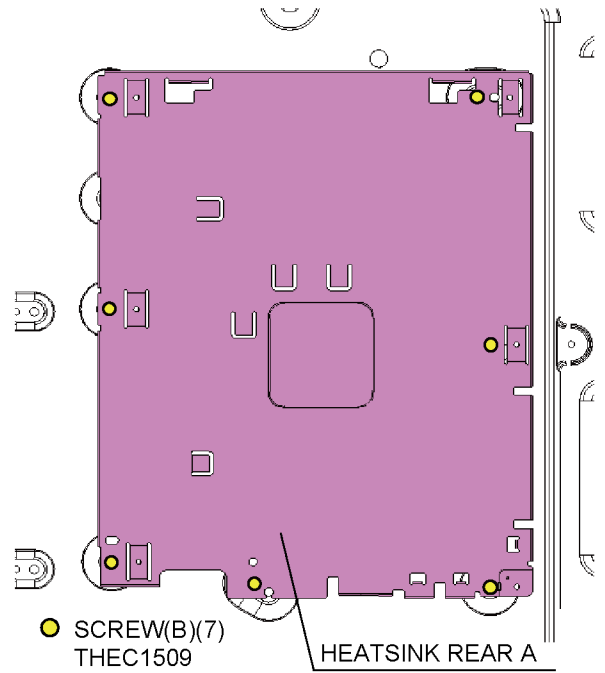
1. Remove the 6 screws (A).



2. Disconnect the connectors (A02A, A10, A12, A15, A16 and JK8605).
3. Remove the A-Board.

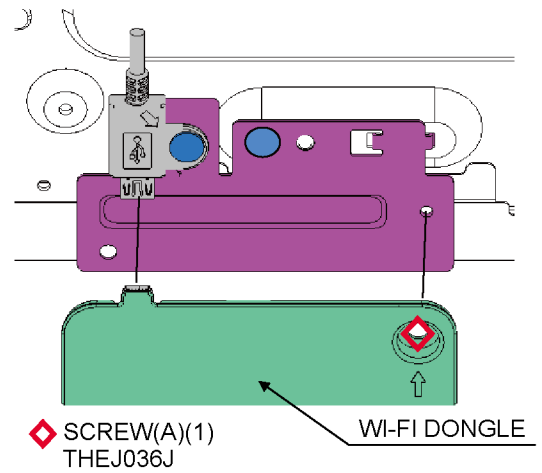


4. Remove the 7 screws (B).
5. Remove the Heatsink Rear A.

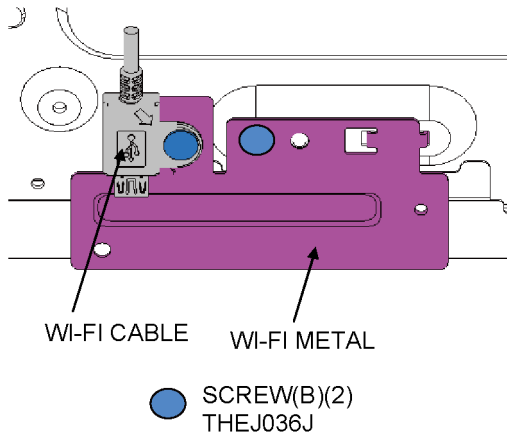


#### 8.2.5. Wi-Fi Dongle and Wi-Fi Cable

1. Remove the 1 screw (A).
2. Remove the Wi-Fi Dongle.

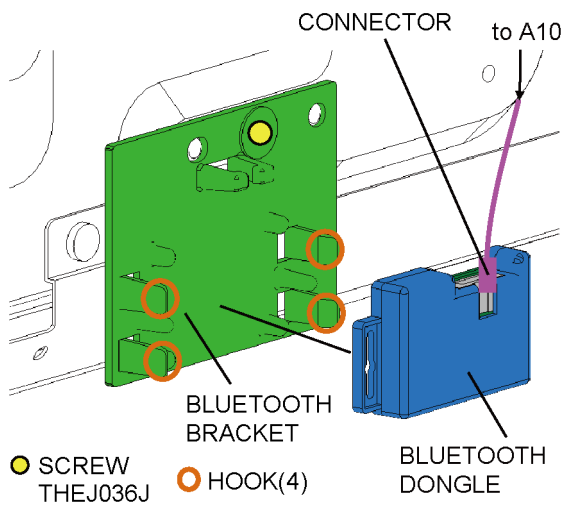


3. Remove the 2 screws (B).
4. Remove the Wi-Fi Cable and the Wi-Fi Metal.



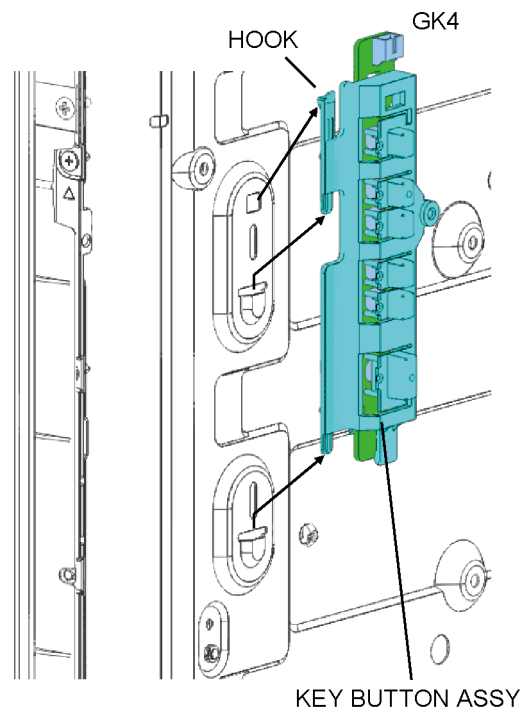
### 8.2.6. Bluetooth Dongle

1. Disconnect the connector.
2. Remove the 4 hooks.
3. Remove the Bluetooth Dongle.
4. Remove the 1 screw.
5. Remove the Bluetooth Bracket.

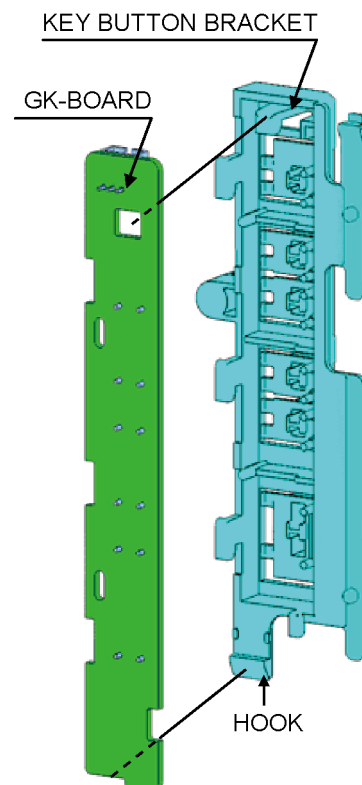


### 8.2.7. GK-Board

1. Disconnect the connector (GK4).
2. Remove the 1 hook.



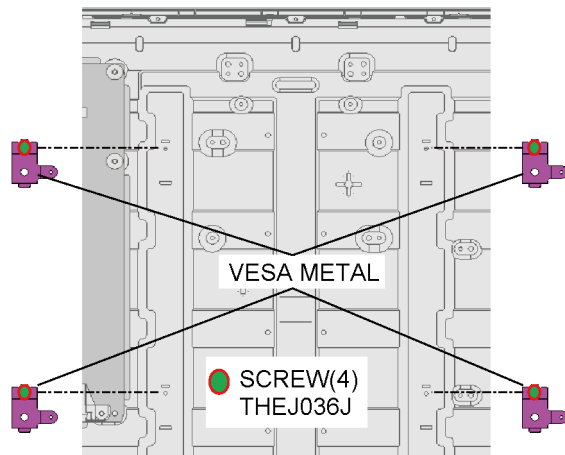
3. Remove the 1 hook.
4. Remove the GK-Board and the Key Button Bracket.





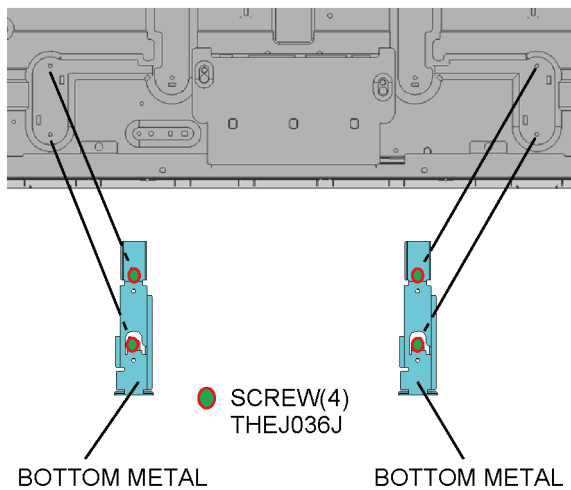
### 8.2.8. VESA Metals

1. Remove the 4 screws.
2. Remove the 4 VESA Metals.



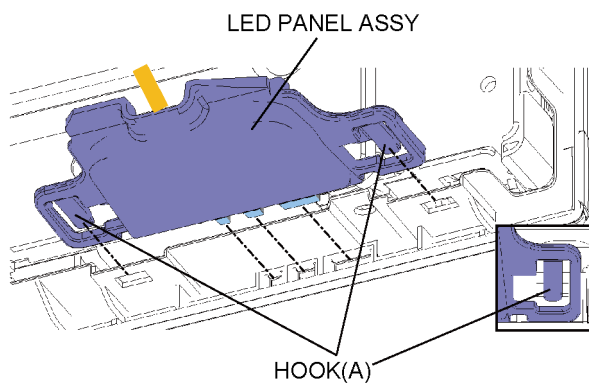
### 8.2.9. Bottom Metals

1. Remove the 4 screws.
2. Remove the 2 Bottom Metals.

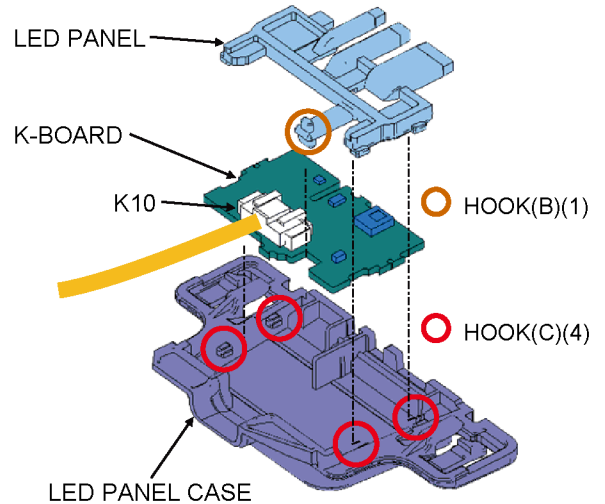


### 8.2.10. K-Board

1. Remove the 2 hooks (A).
2. Remove the LED Panel Assy.

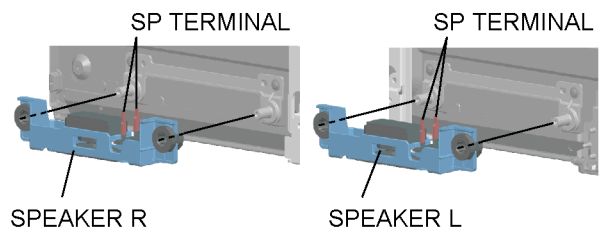


3. Remove the 1 hook (B).
4. Remove the 4 hooks (C).
5. Remove the K-Board and the LED Panel from the LED Panel Case.
6. Disconnect the connector (K10).
7. Remove the K-Board from the LED Panel.

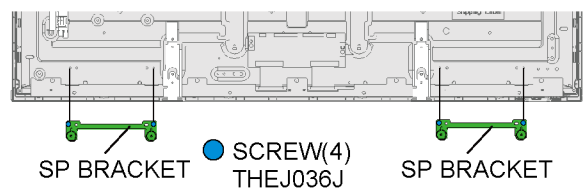


### 8.2.11. Speaker L/R

1. Disconnect the 4 SP Terminals.
2. Remove the Speaker L/R.

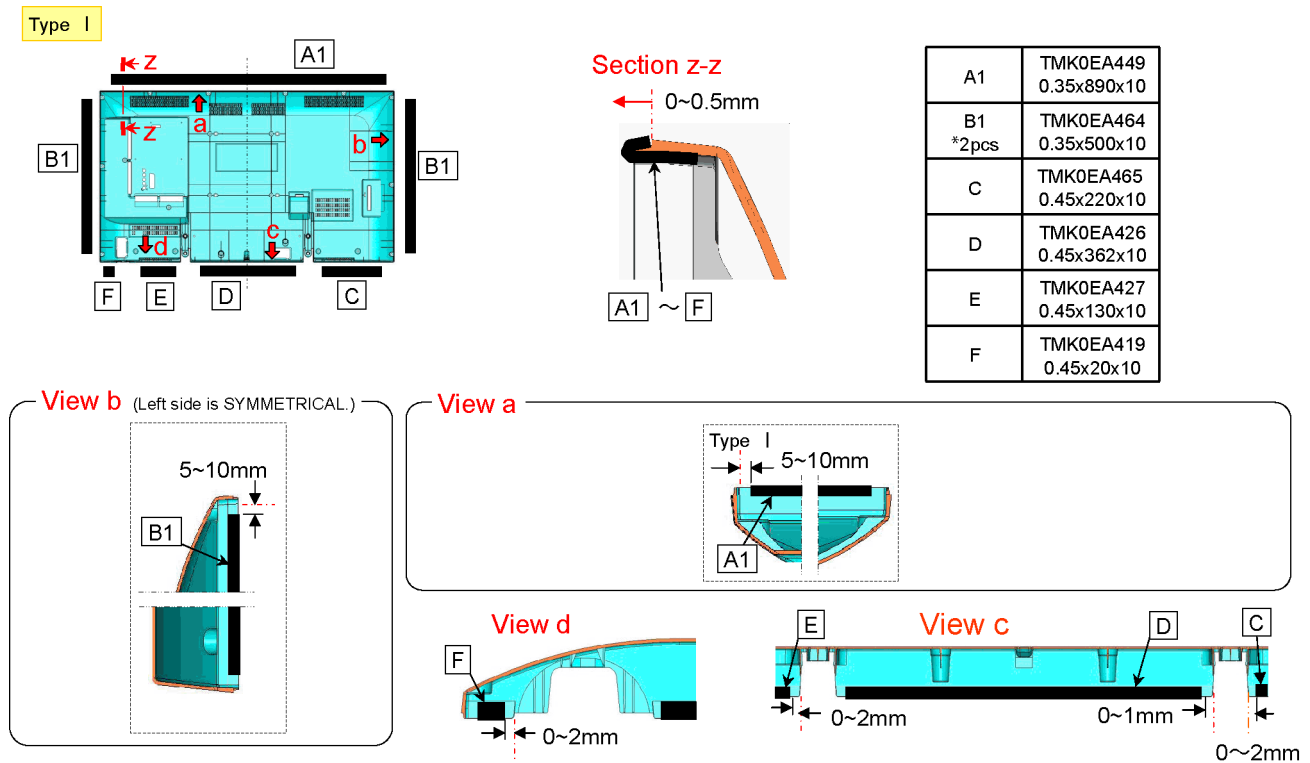


3. Remove the 4 screws.
4. Remove the 2 SP Brackets.

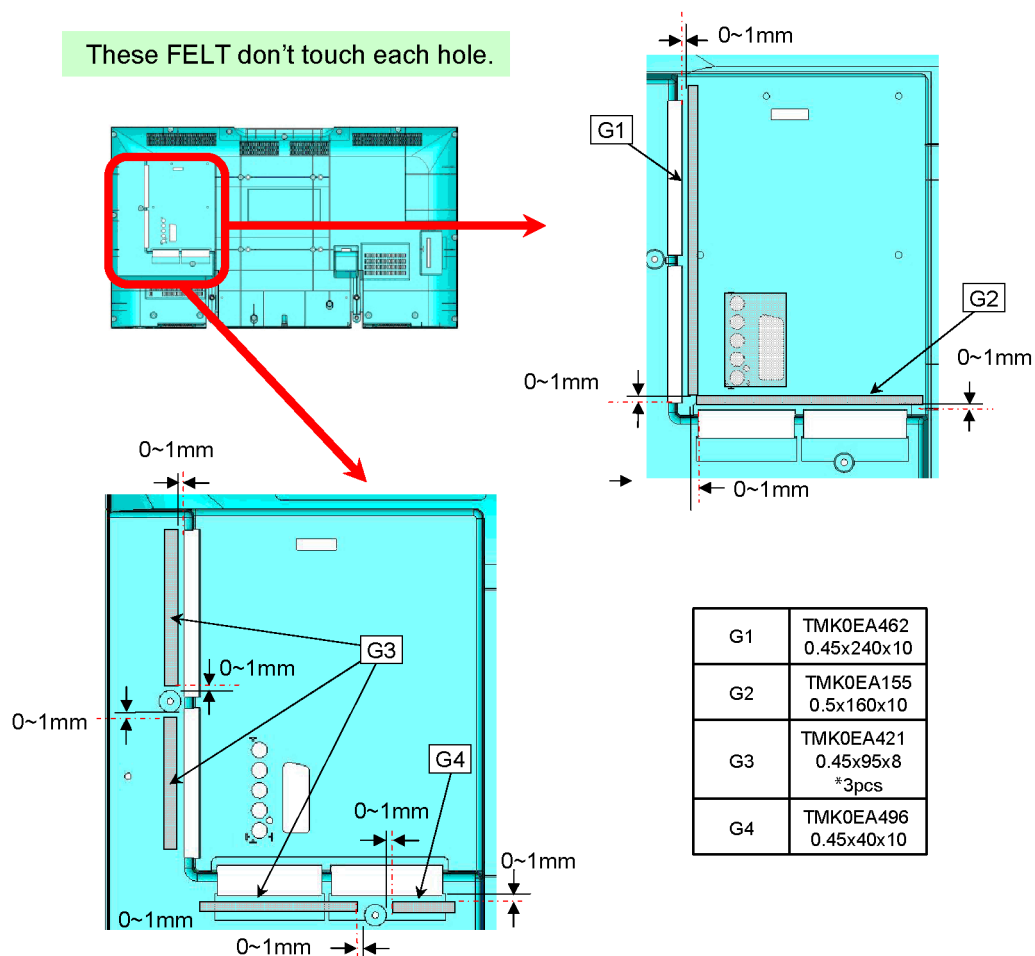


### 8.3. Specification of EMI countermeasures

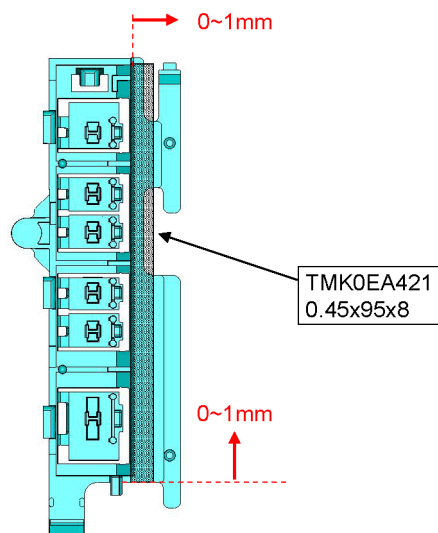
### 8.3.1. Felt on Back Cover



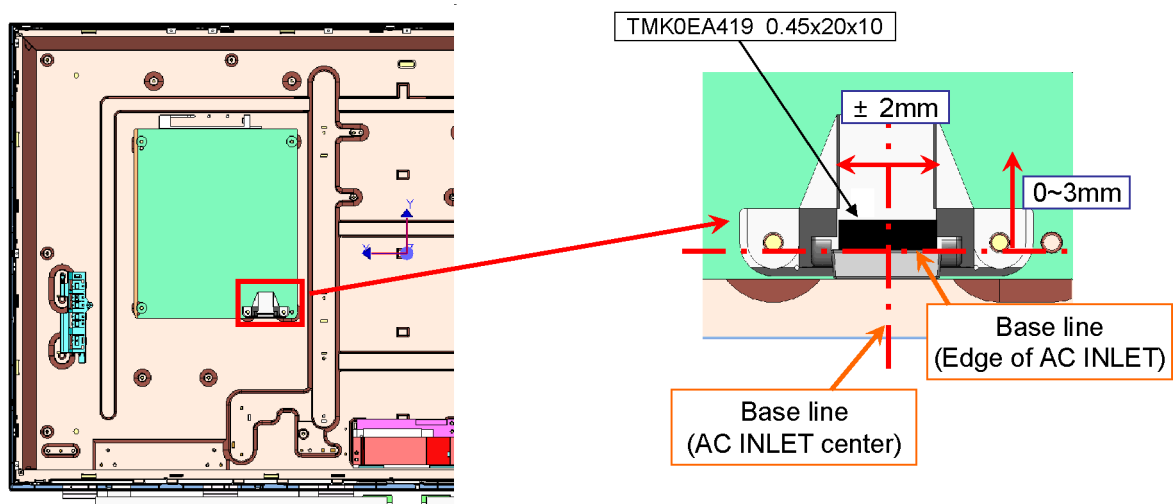
### 8.3.2. Felt on Back Cover



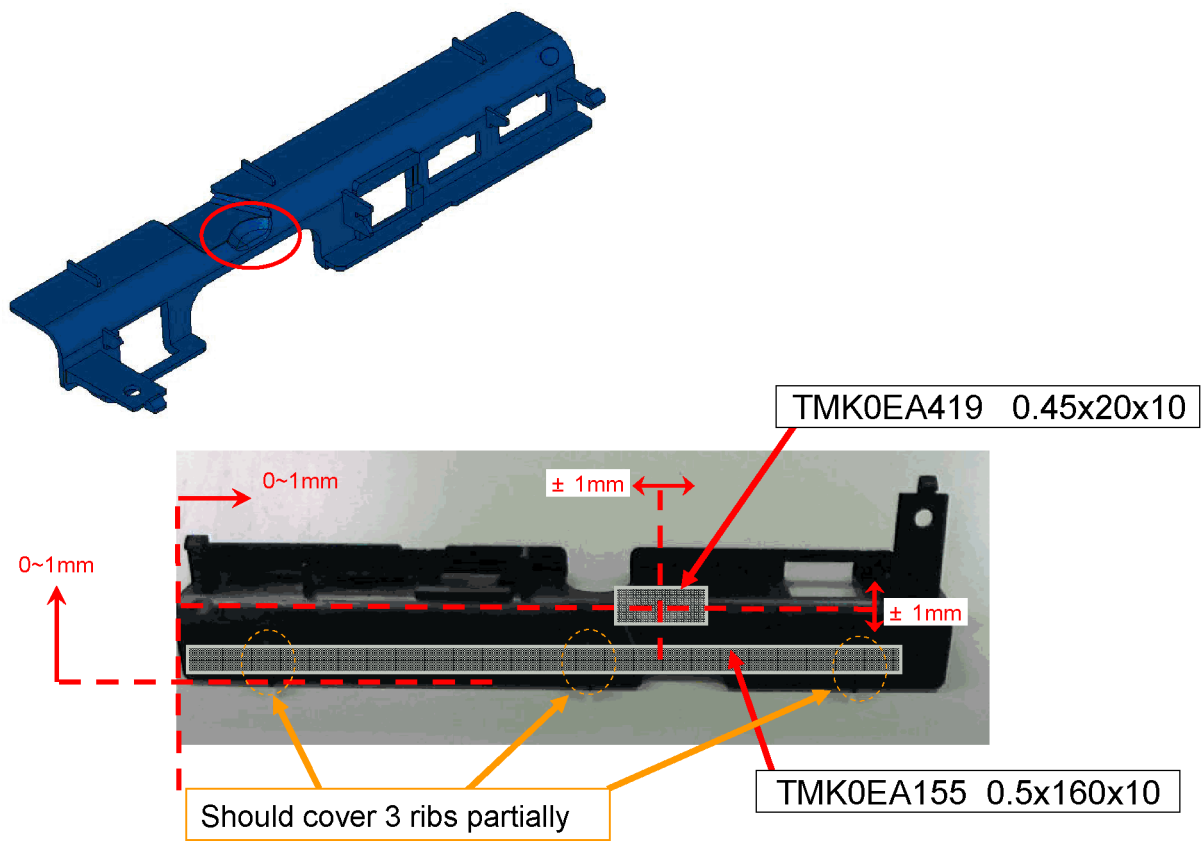
### 8.3.3. Felt on Key Button



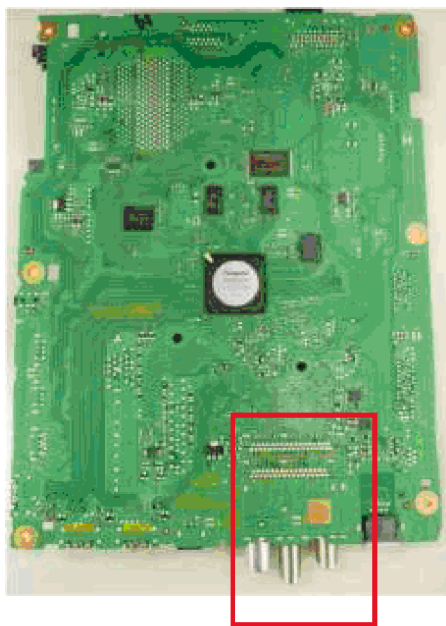
### 8.3.4. Felt on AC INLET



8.3.5. Felt on BOTTOM AV BRACKET



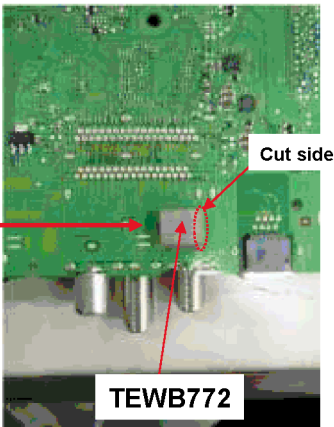
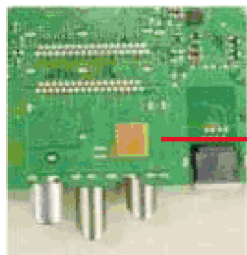
8.3.6. WORK INSTRUCTIONS FOR GASKET POSTING



GASKET

PART No.	SIZE	Qty
TEWB772	T5xW10xL10	1pcs

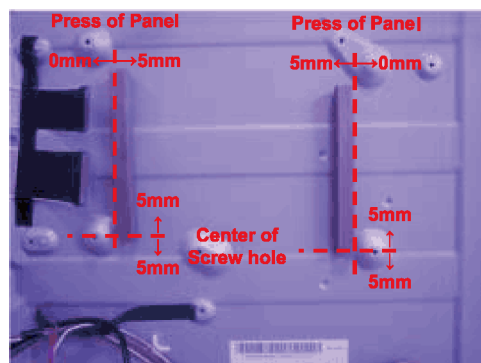
Put a gasket on Resist-stripped point. (Inside of square)



### 8.3.7. WORK INSTRUCTIONS FOR GASKET POSTING

#### GASKET

PART No.	SIZE	Qty
TEWB719	T10xW10xL100	2pcs



## 9 Measurements and Adjustments

### 9.1. Voltage chart of P-board

Power Supply Name	Test point	Spec
24V	TP7407	$23.4 \pm 1.2V$
16V	TP7411	$15.7 \pm 0.6V$
5VS	TP7501	$5.2 \pm 0.2V$
PFC	TP7201	$390 \pm 15V$

\*HOT

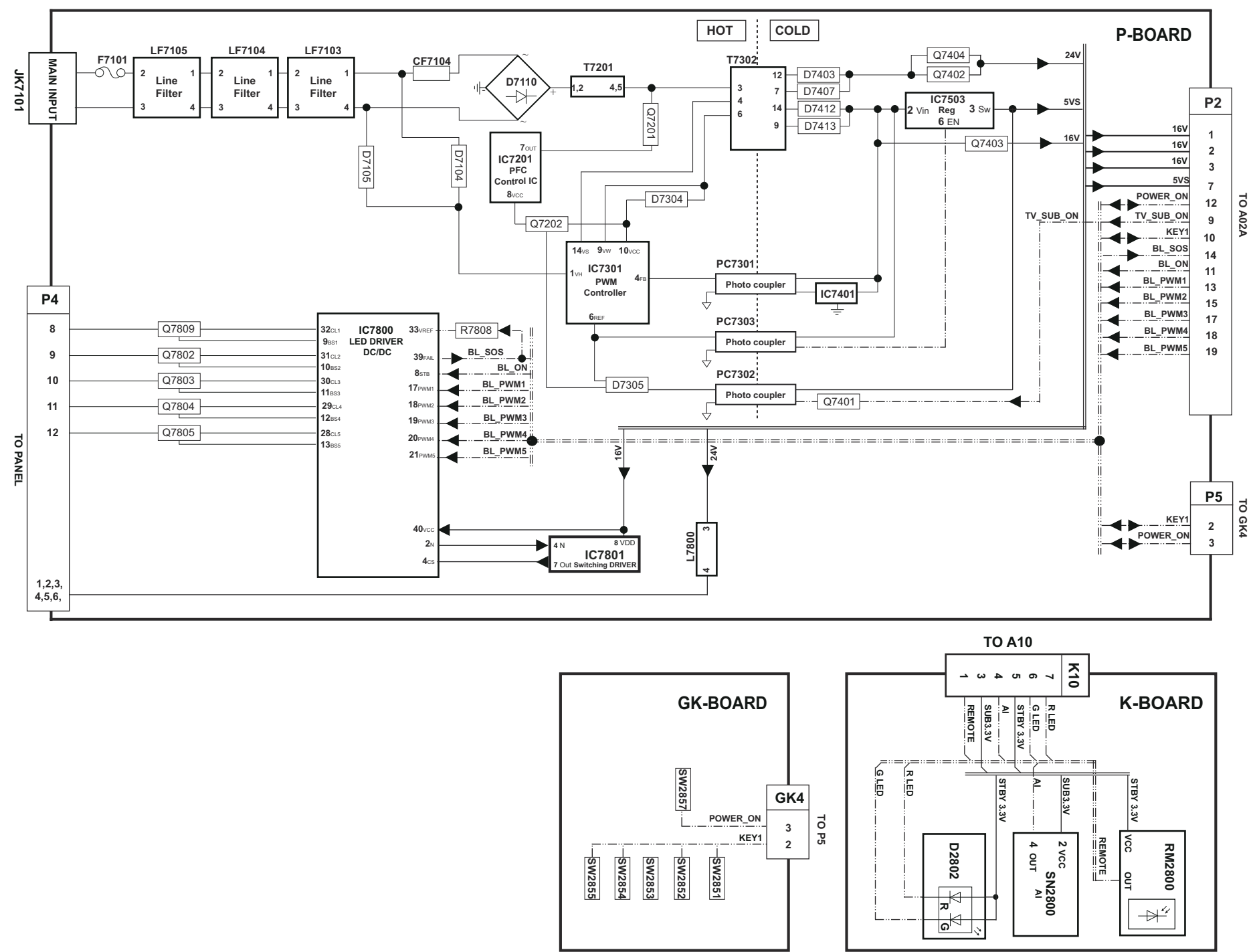
### 9.2. Voltage chart of A-board

Power Supply Name	Test point	Spec
PNL12V	TP4000, TP4001	$12V \pm 1.2V$
SUB5V	TP8704	$5.17V \pm 0.25V$
SUB3.3V	TP8705	$3.39V \pm 0.15V$
HDMI3.3V	TP8710	$3.3V \pm 0.17V$
SUB_AI_3.3V	TP2206	$3.3V \pm 0.17V$
EU_TU_1.8V	TP5704	$1.84V \pm 0.1V$
SUB1.5V	TP8101	$1.52V \pm 0.08V$
SUB1.1V	TP8100	$1.21 \pm 0.06V$
USB-WiFi	TP8620	$5.15 \pm 0.20V$
LNB_PWR_M	TP6703	$18V \pm 1.0V$
LNB_PWR_S	TP6702	$18V \pm 1.0V$
SUB9V	TP5004	$9V \pm 0.4V$
DMD 1.1V	TP5703	$1.12V \pm 0.11V$
SUB_CI_5V	TP8400	$5.0V \pm 0.5V$
USB1	TP8615	$5.0V \pm 0.25V$
USB2	TP8611	$5.0V \pm 0.25V$

### 10.1. Block Diagram (1/2)



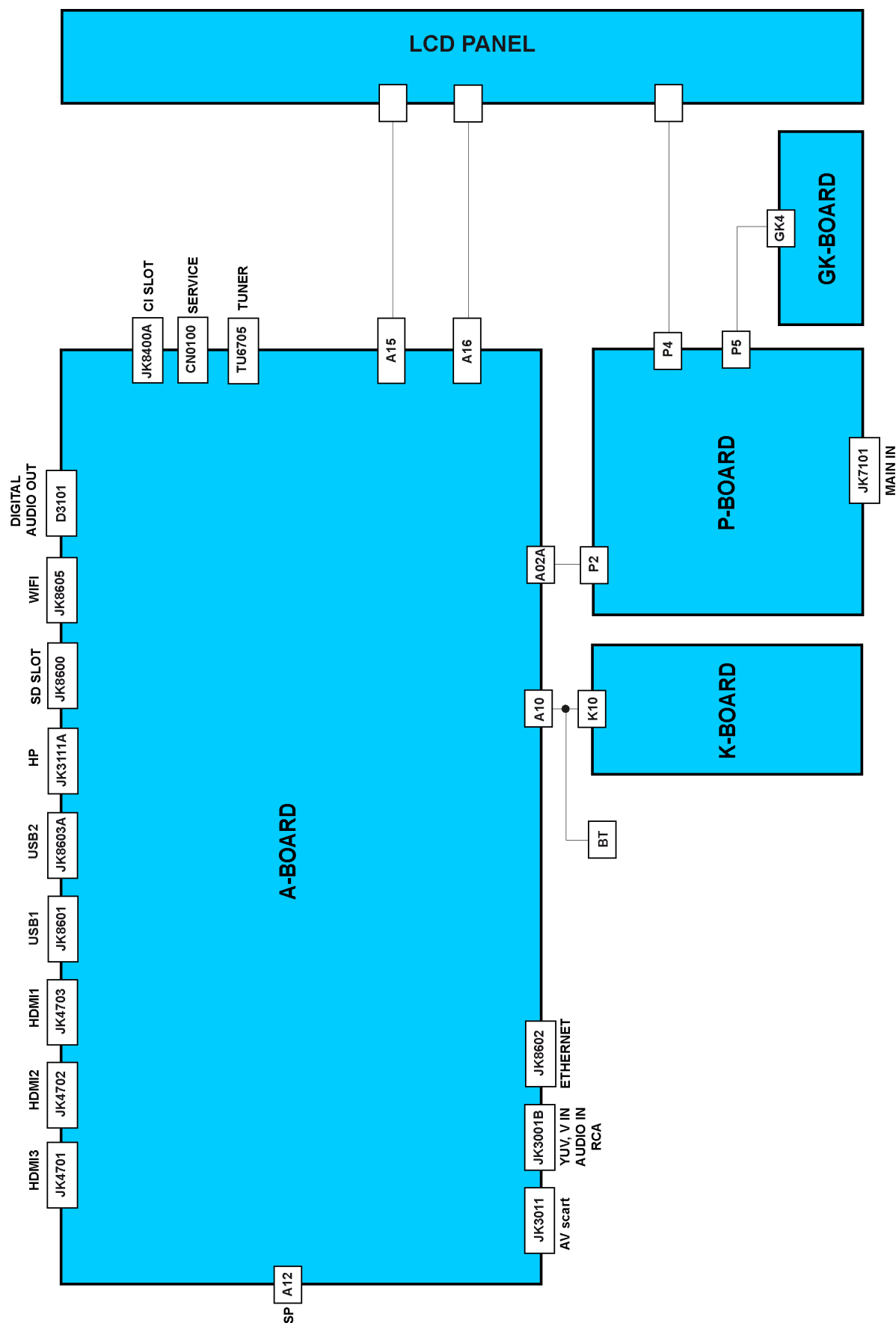
10.2. Block Diagram (2/2)





# 11 Wiring Connection Diagram

## 11.1. Wiring Diagram



## 11.2. Caution statement.

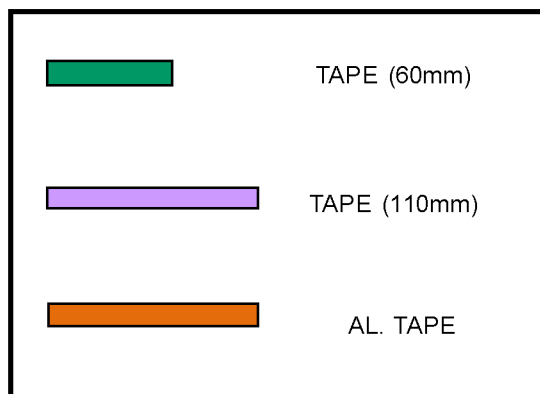
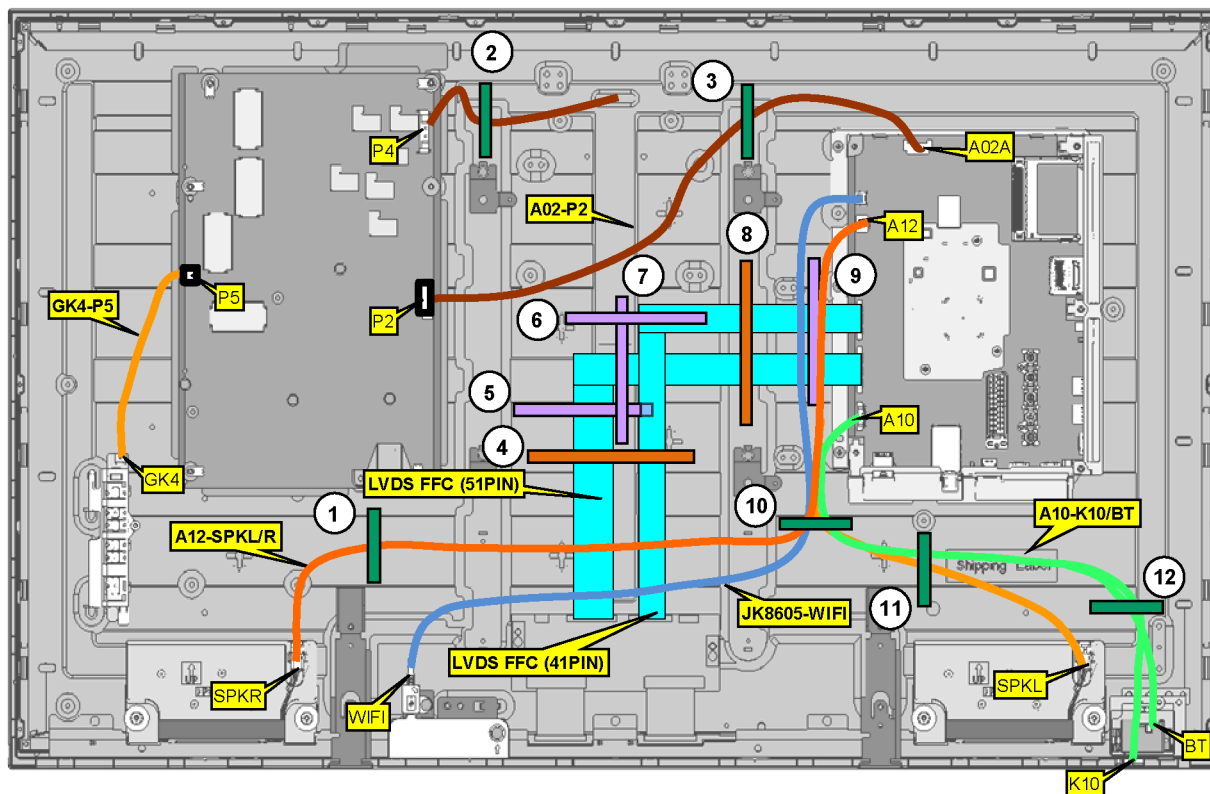
### Caution:

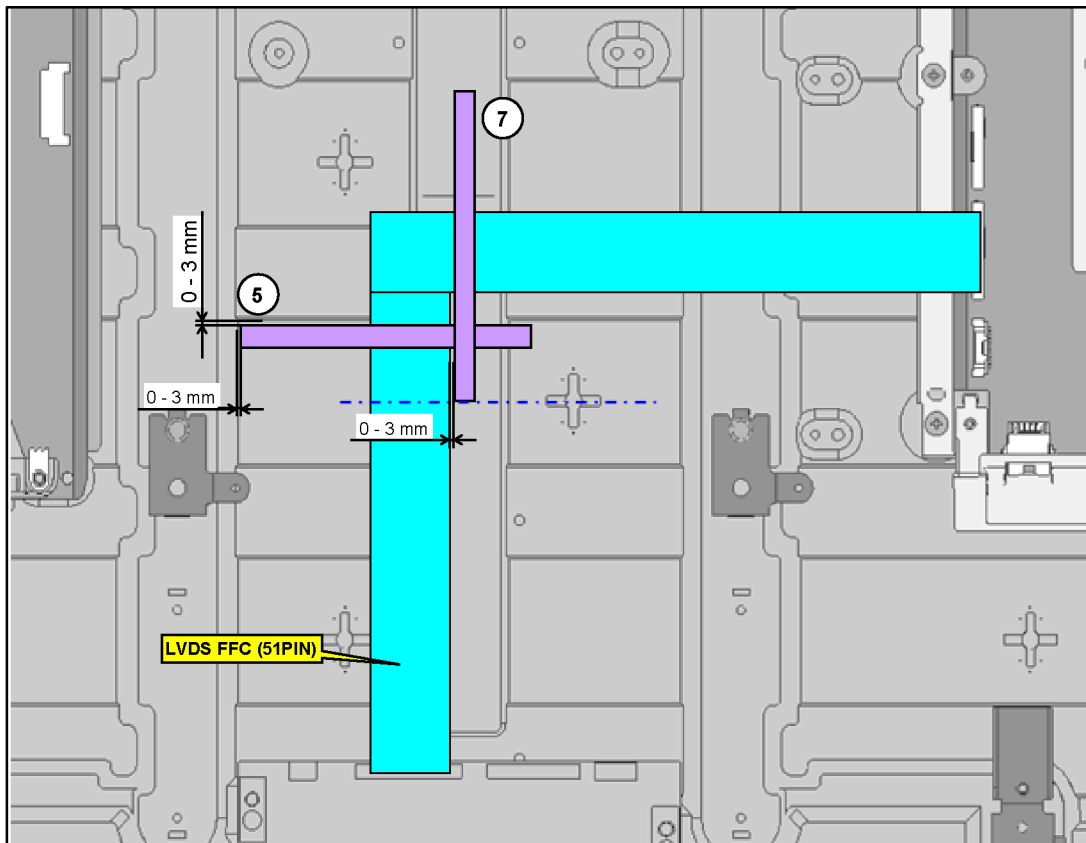
Please confirm that all flexible cables are assembled correctly.

Also make sure that they are locked in the connectors.

Verify by giving the flexible cables a very slight pull.

## 11.3. Dressing Wire

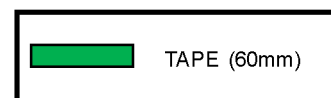
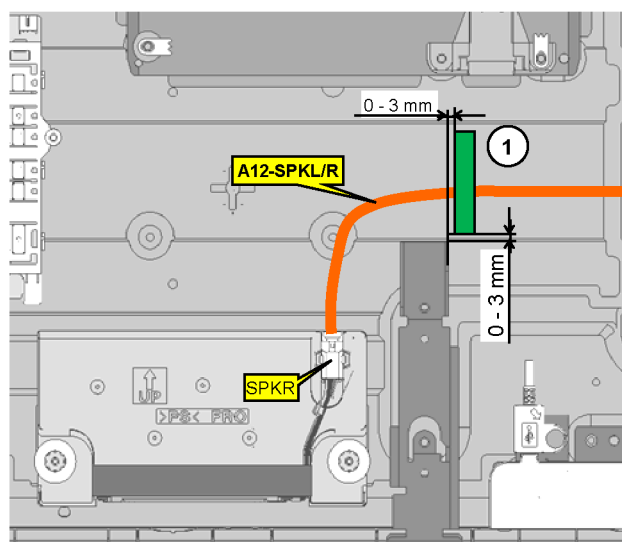
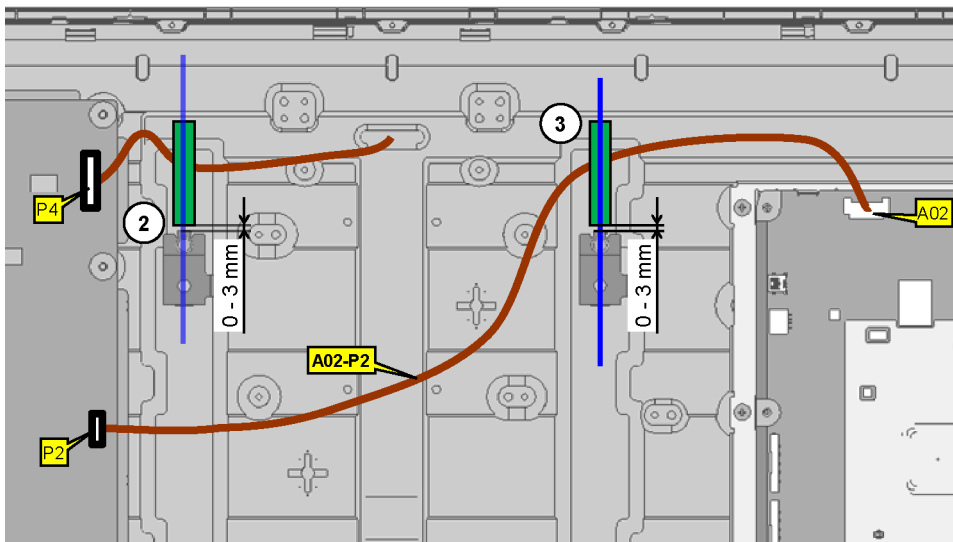




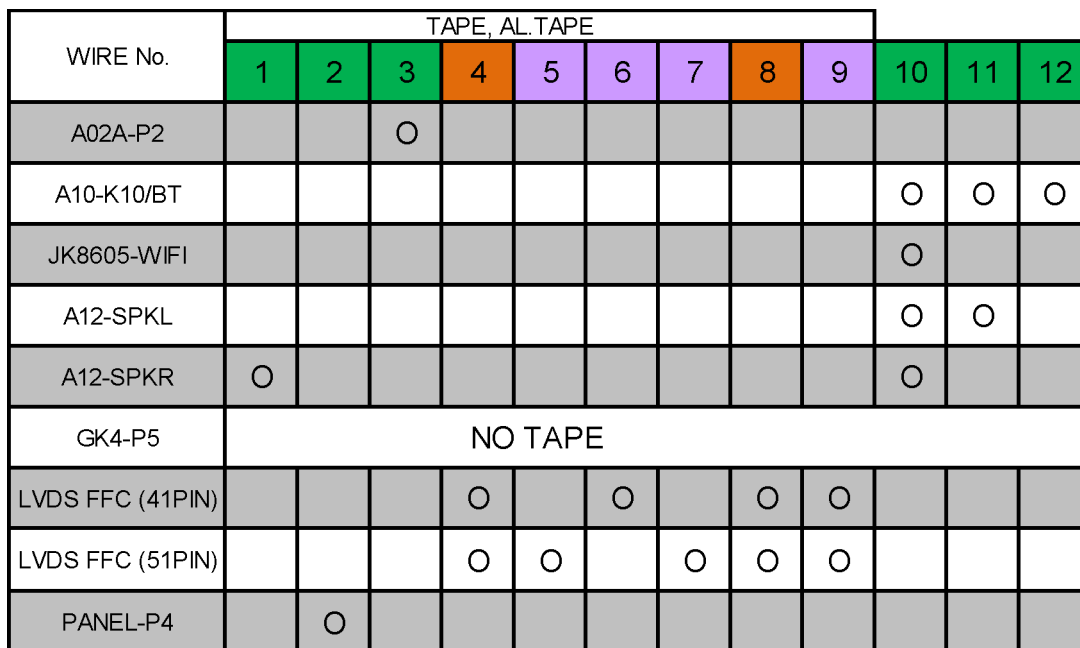
TAPE (110mm)

Pasting tapes tolerance,  
if not otherwise stated:  
+/- 3mm











Pasting tapes tolerance,  
if not otherwise stated:  
+/- 3mm



**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 ..... AC 220-240V, 50/60Hz  
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.

Notice: Use the parts number indicated on the Replacement parts List.

**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.

## Model No. : TX-40AS640B/E,R650 Replacement Parts List Note

**Note:** All parts except parts mentioned [PAVCCZ] in the Remarks column are supplied by AVC-CSPC.  
Parts mentioned [PAVCCZ] are supplied by PAVCCZ.

Notice: Be sure to make your orders of replacement parts according to this list.

### RTL (Retention Time Limited)

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

Abbreviation of part name and description

#### 1. Resistor

Example:

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

#### 2. Capacitor

Example:

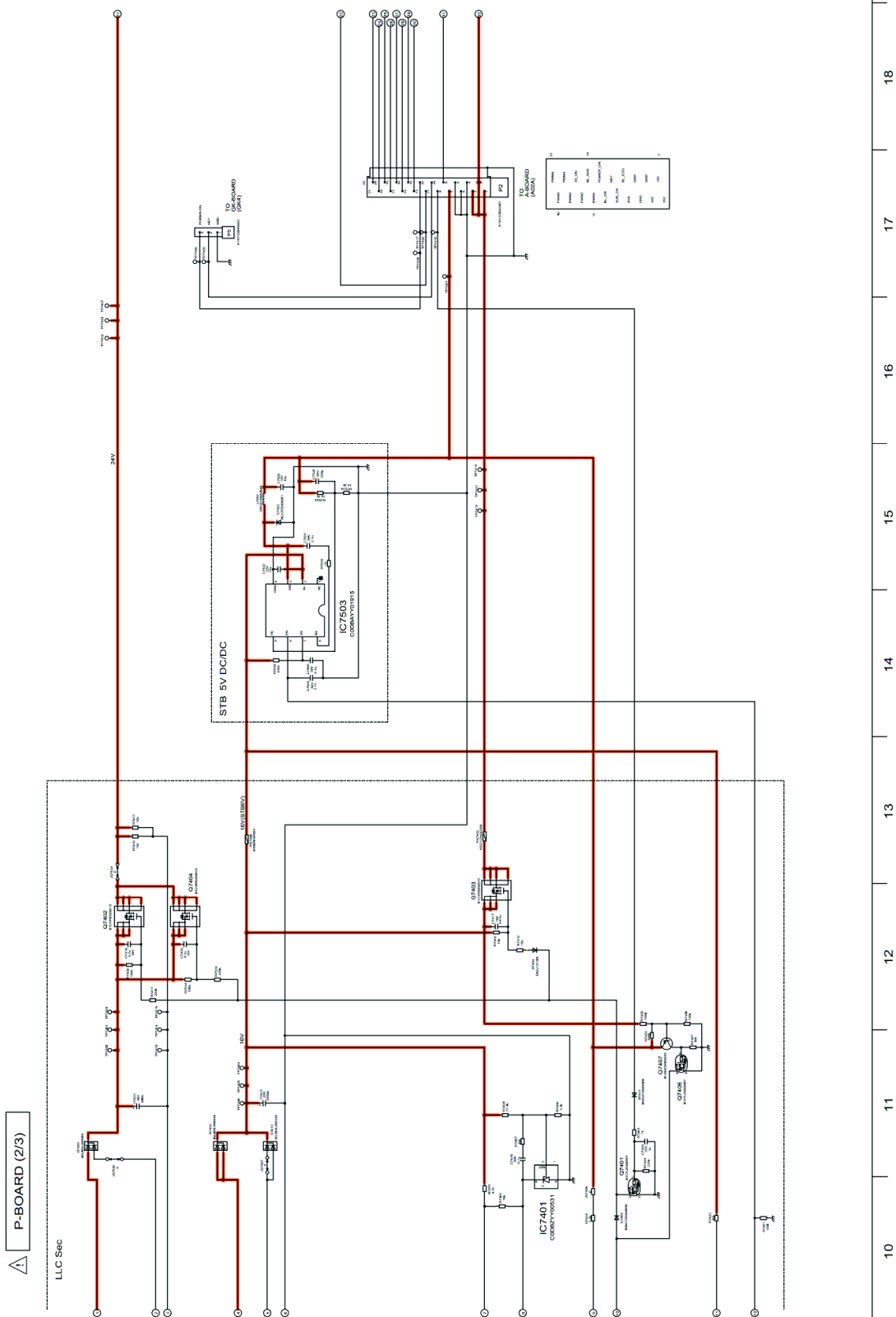
ECKF1H103ZF    C 0.01UF, Z 50V  
Type                      Allowance

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

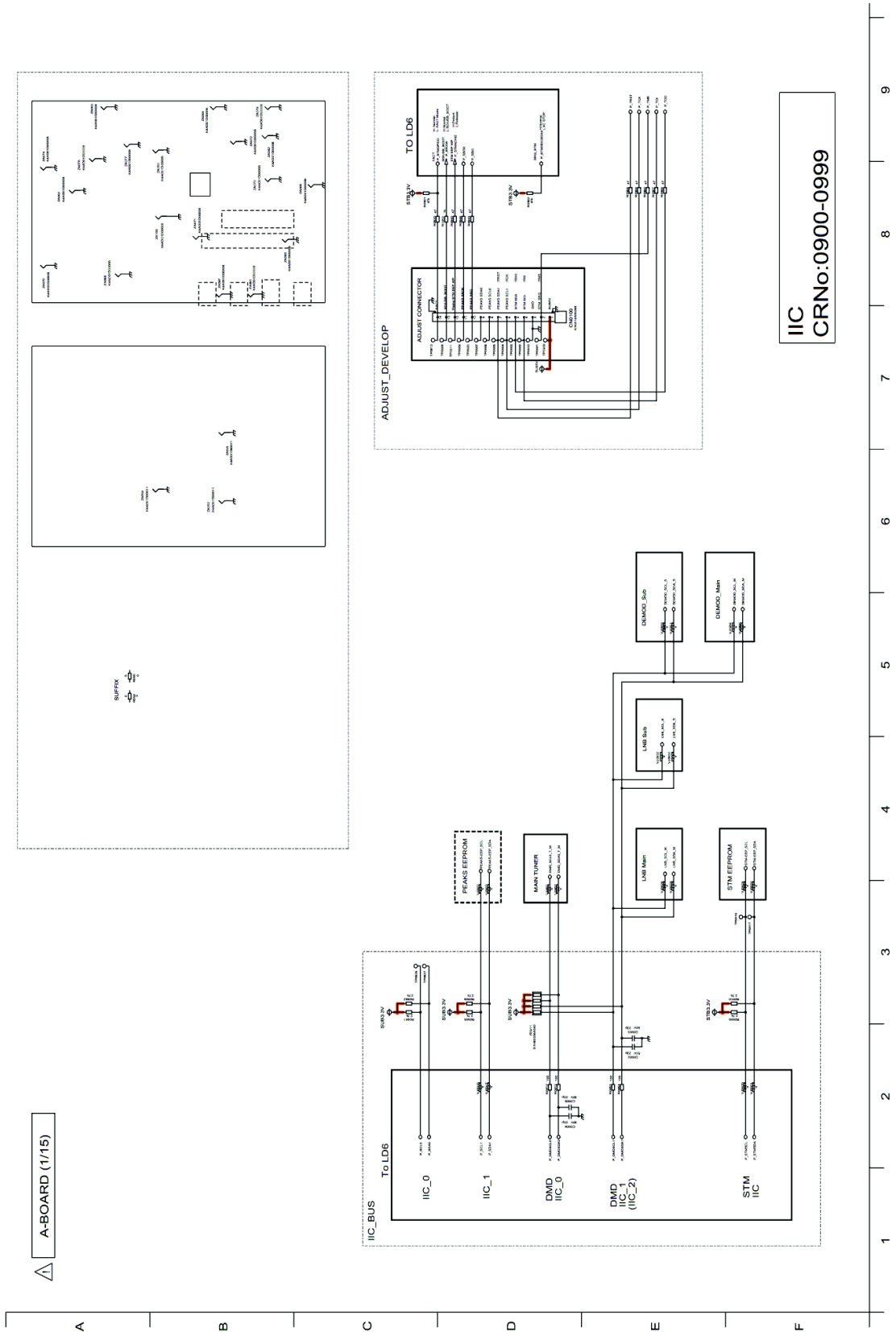
Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
Polyprop	G : ±3pF
lene	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%



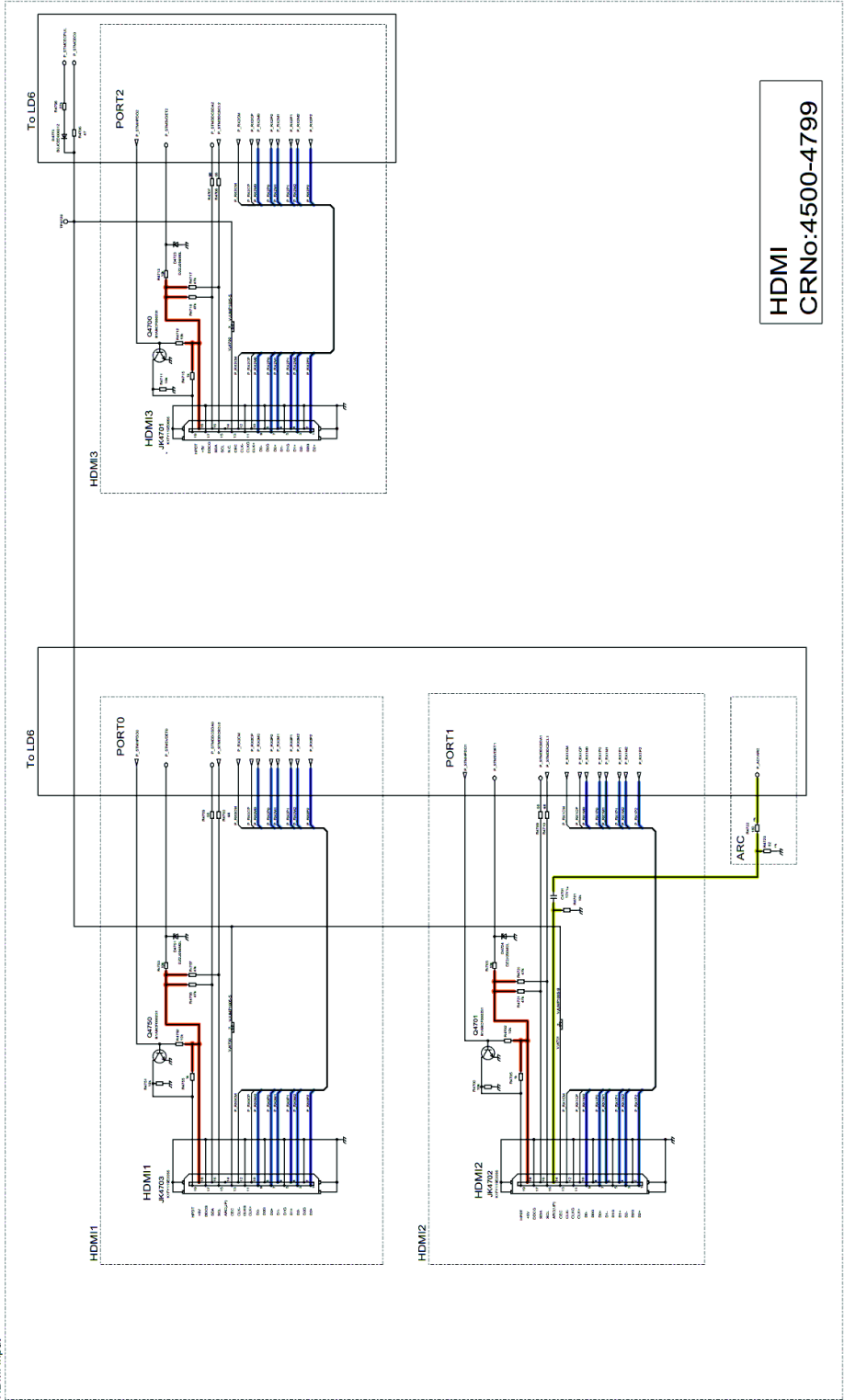








HDMI Input



HDMI  
CRNo:4500-4799

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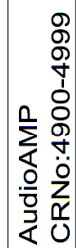
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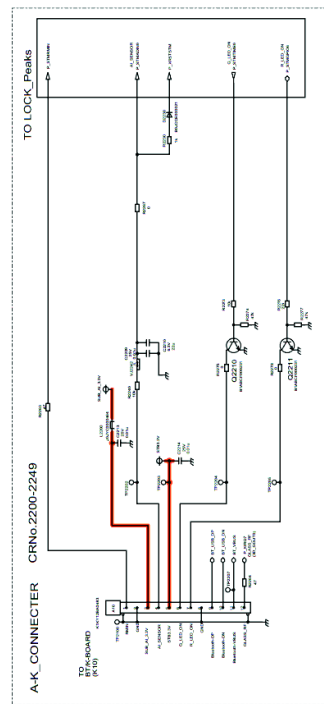
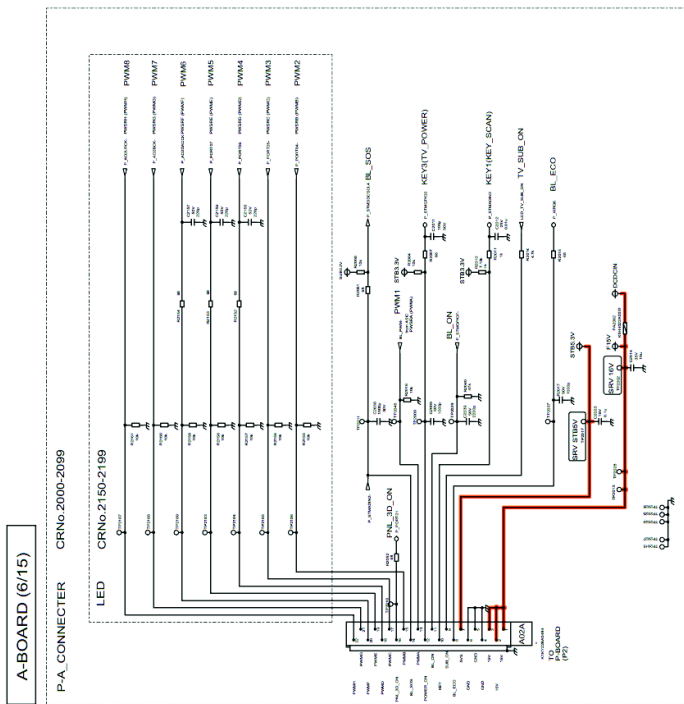
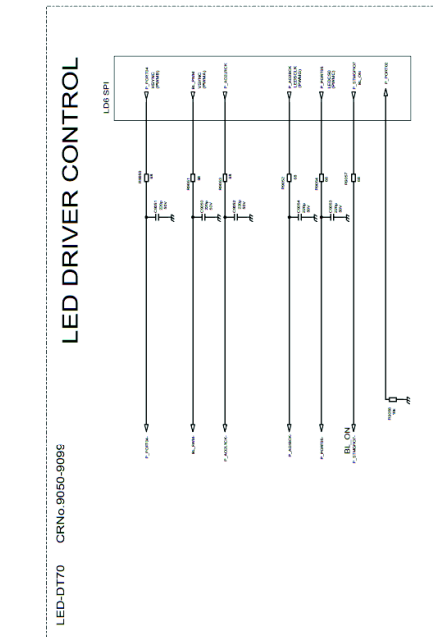
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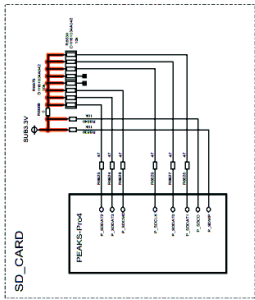
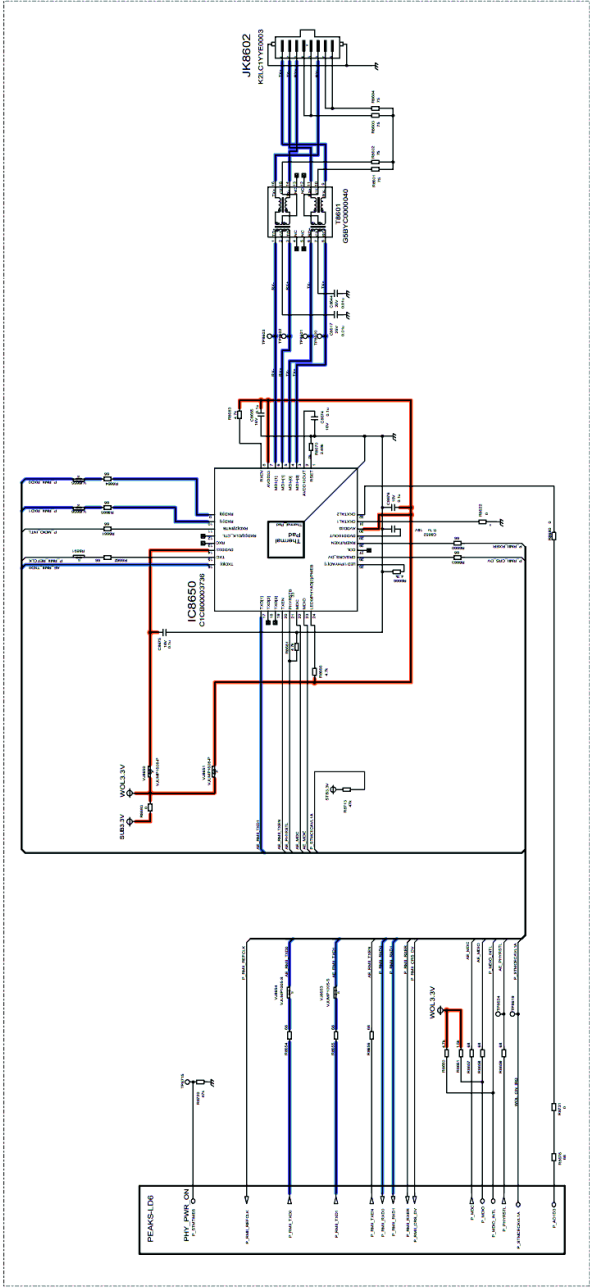




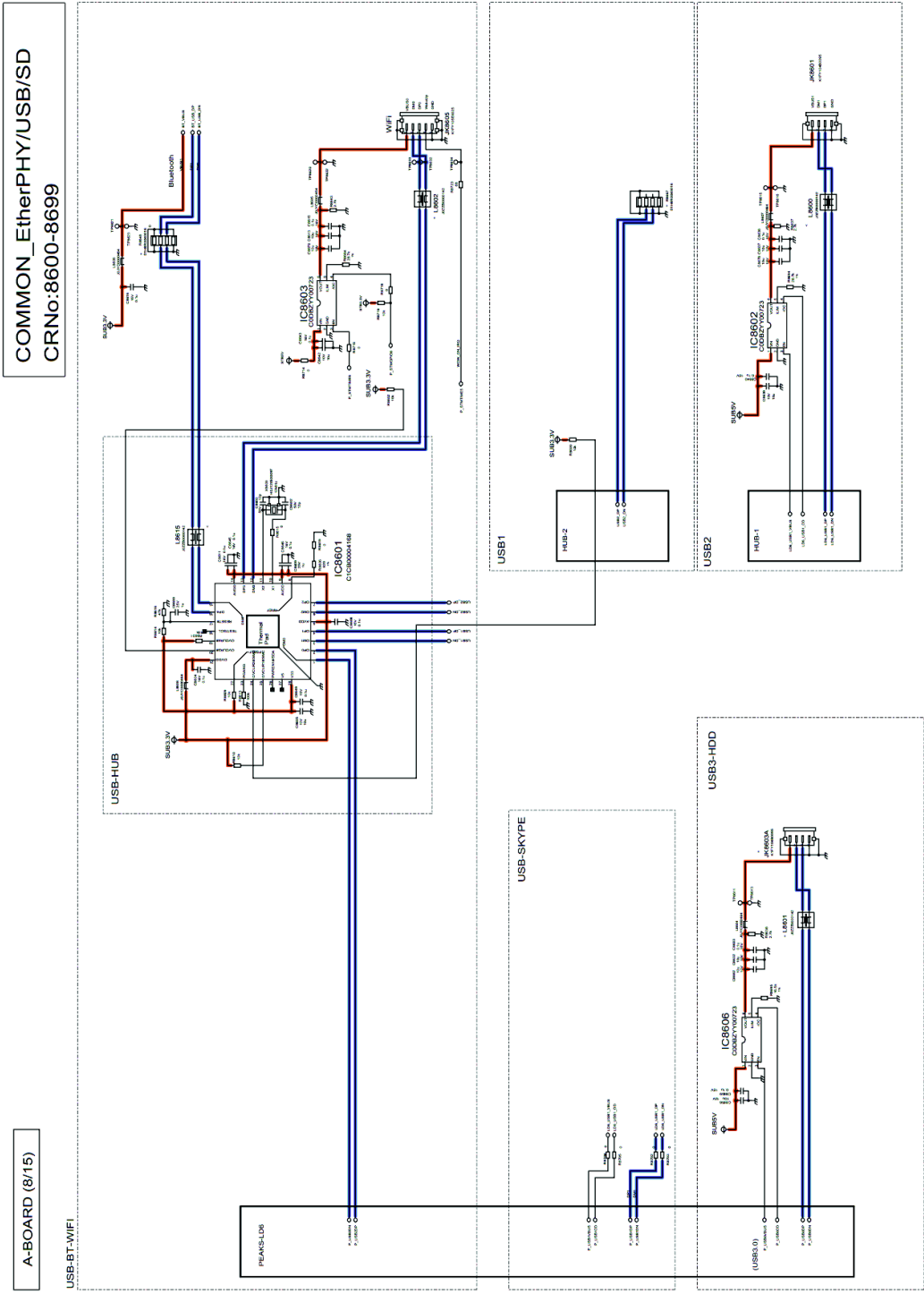
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A-BOARD (7/15)

ETHER\_PHY



COMMON\_EtherPHY/USB/SD  
CRNo:8600-8699



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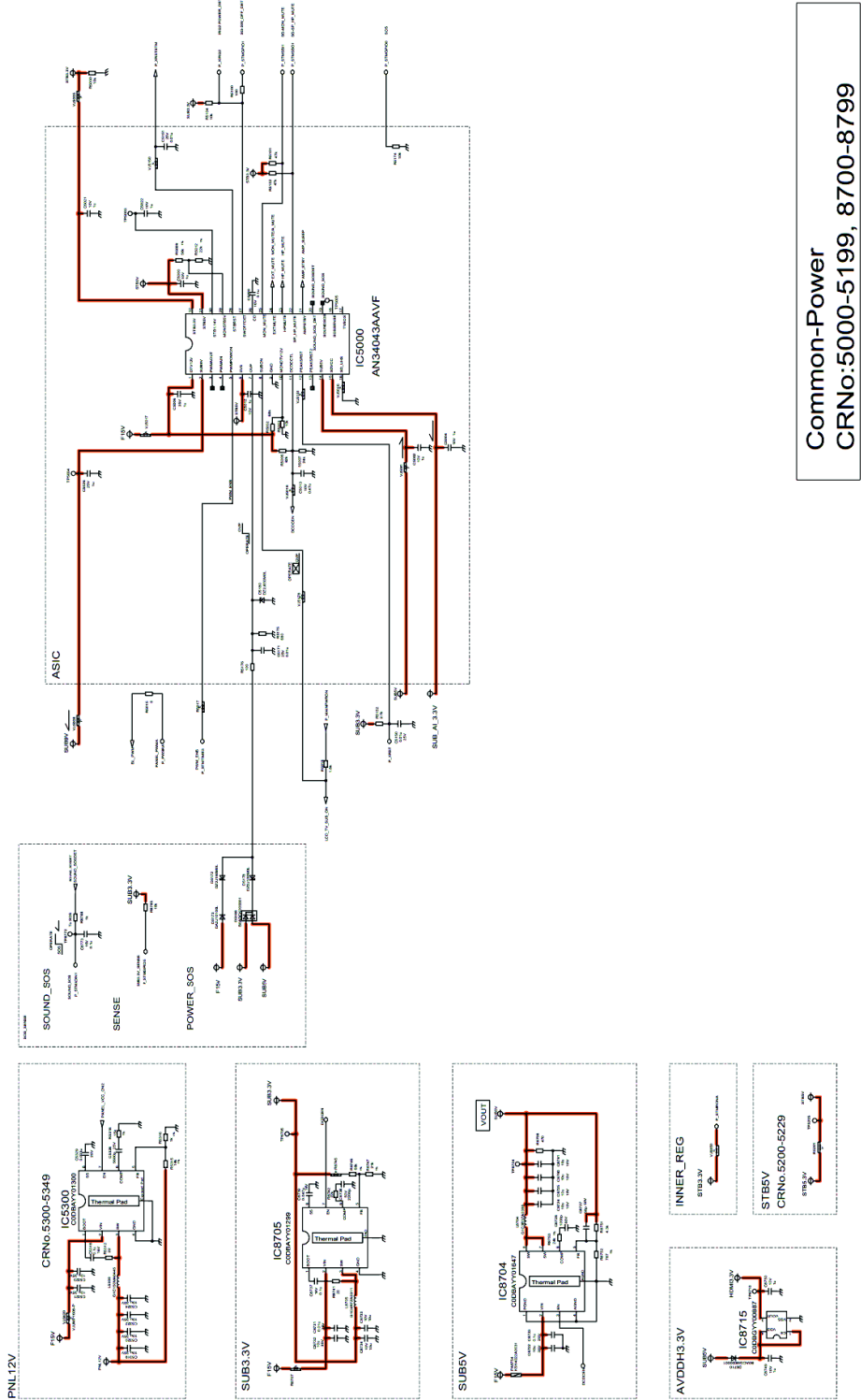
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A-BOARD (9/15)



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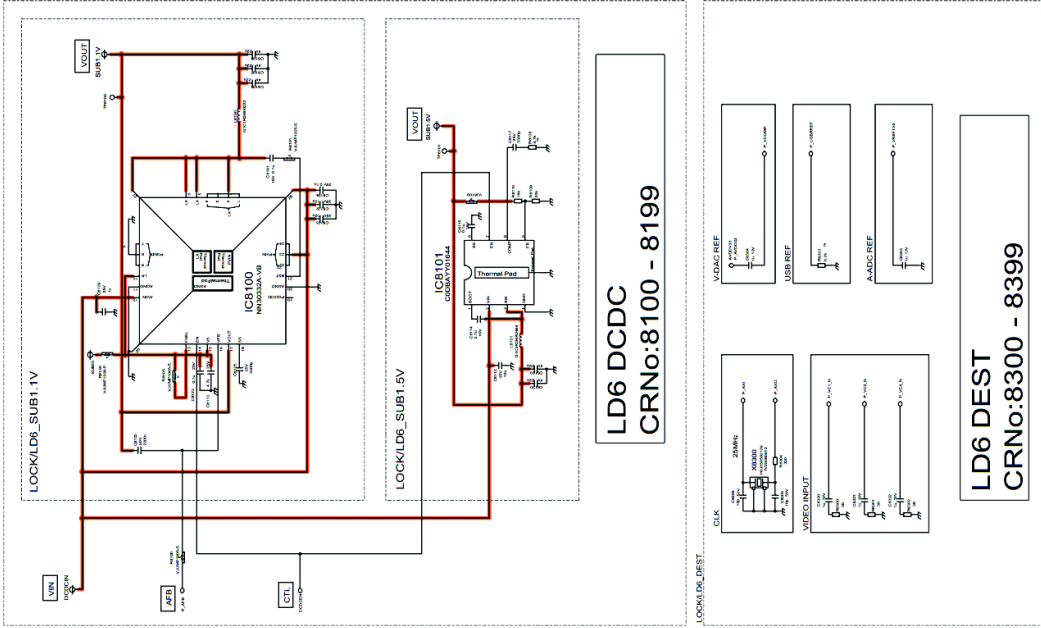
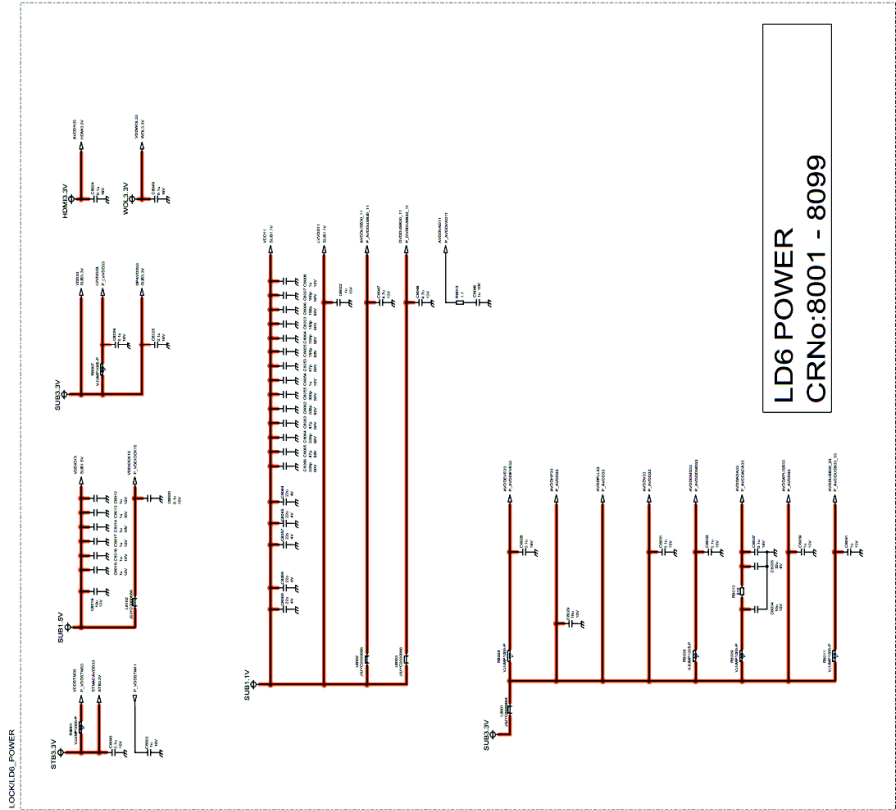
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A-BOARD (11/15)



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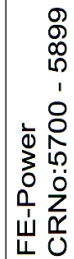
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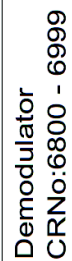


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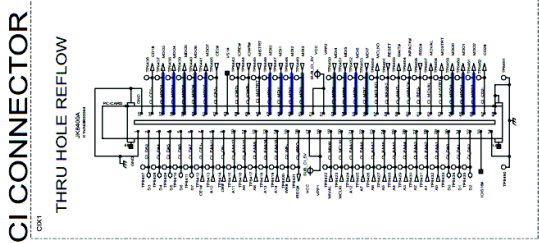
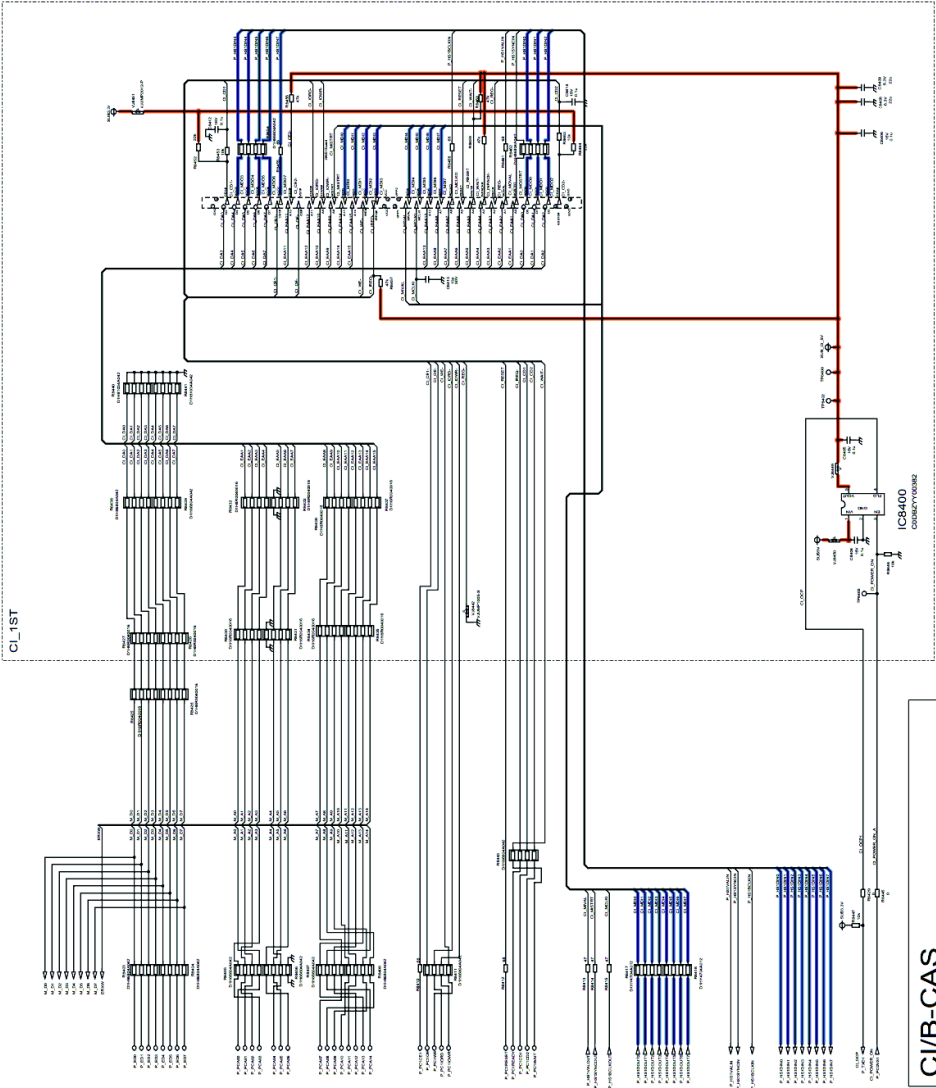
Tuner  
CRNo:6700 - 6749





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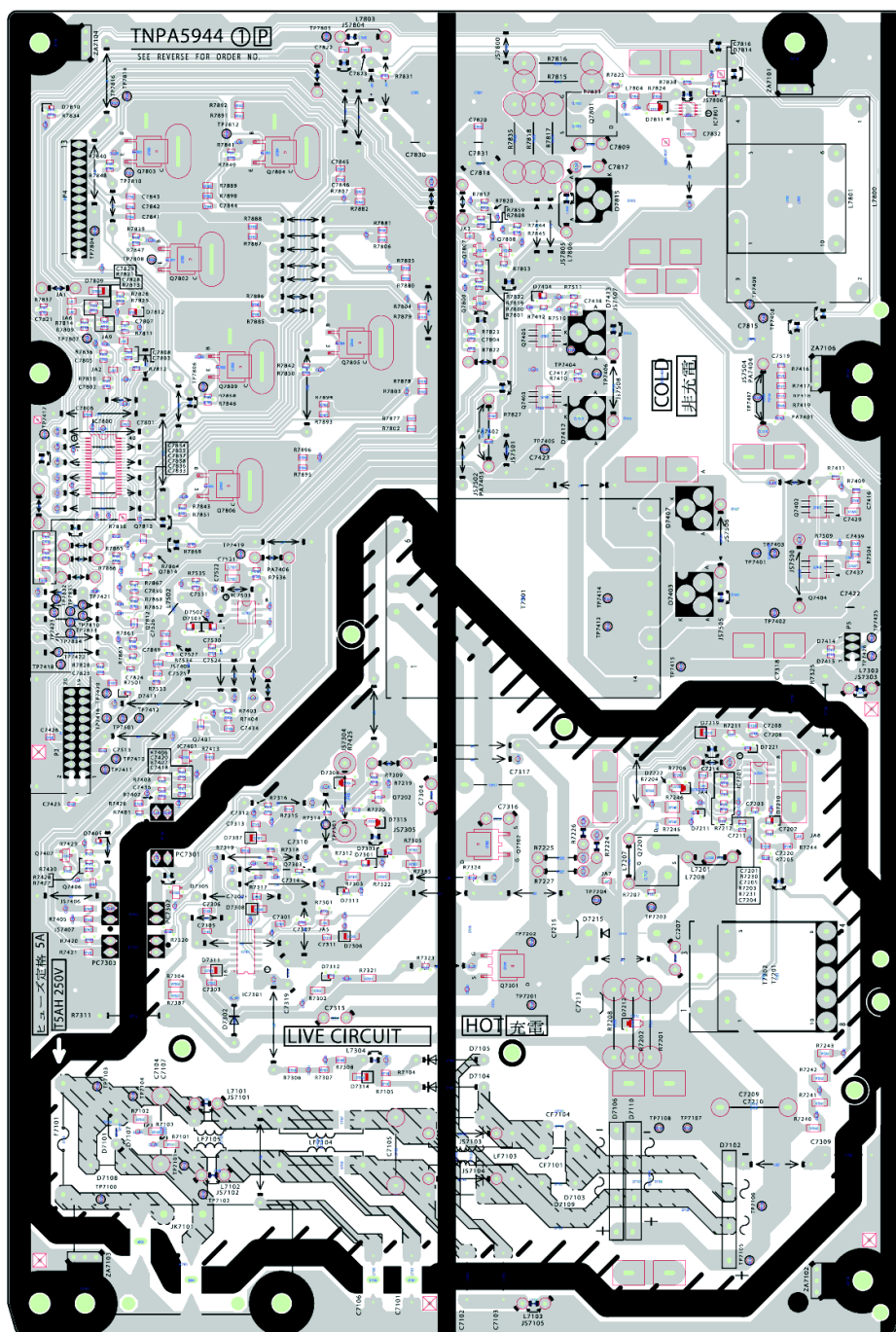
A-BOARD (15/15)



CI/B-CAS  
CRNo:8400 - 8599

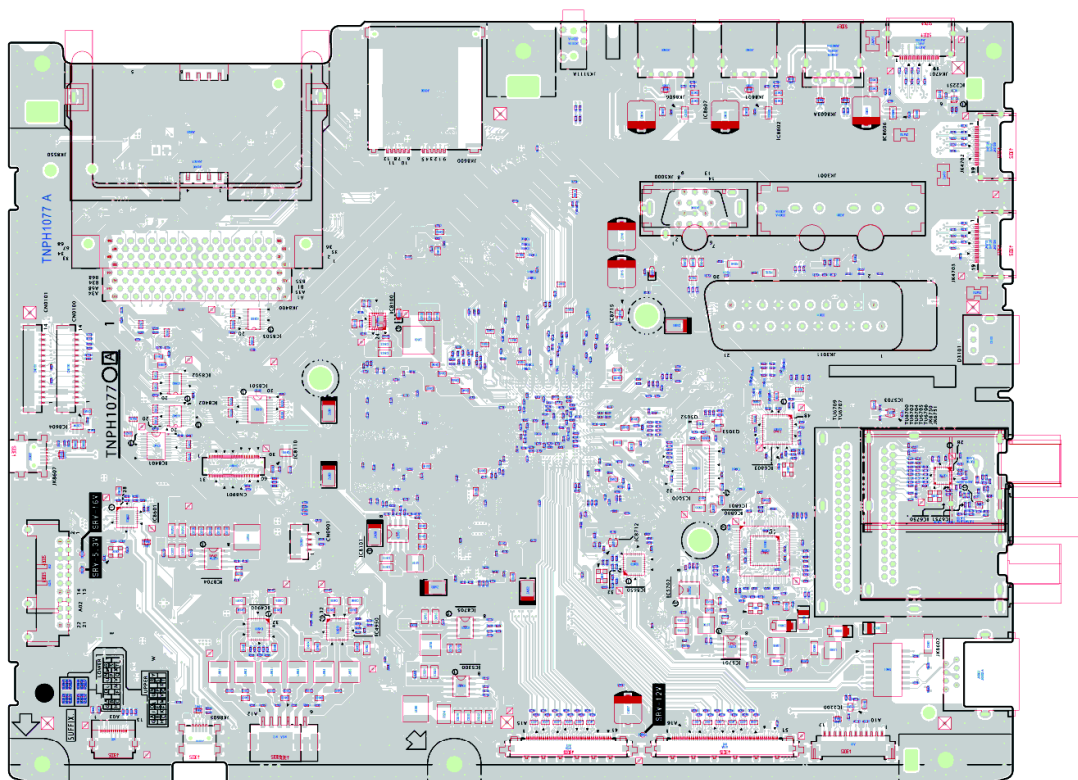


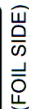
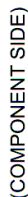
Model No. : TX-40AS640B/E,R650 P-Board (Foil side)
























# Model No. : TX-40AS640B/E,R650 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		PCB	A-40AS640B	CIRCUIT BOARD A	1	(TX-40AS640B) (RTL) PAVCCZ
		PCB	A-40AS640E	CIRCUIT BOARD A	1	(TX-40AS640E) (RTL) PAVCCZ
		PCB	A-40ASR650	CIRCUIT BOARD A	1	(TX-40ASR650) (RTL) PAVCCZ
		PCB	TXN/K1ZLUB	CIRCUIT BOARD K	1	(RTL) PAVCCZ
		PCB	TXN/P1DFVB	CIRCUIT BOARD P	1	(RTL) PAVCCZ
		PCB	TXNGK1YQUU	CIRCUIT BOARD GK	1	(RTL) PAVCCZ
		A02A	K1KY22BA0484	22P CONNECTOR	1	PAVCCZ
		A10	K1KY12BA0483	12P CONNECTOR	1	PAVCCZ
		A12	K1KY04BA0387	4P CONNECTOR	1	PAVCCZ
		A15	K1MY41BA0526	41P CONNECTOR	1	PAVCCZ
		A16	K1MY51BA0526	51P CONNECTOR	1	PAVCCZ
		C0902	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C0903	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C0904	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C0905	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C2009	FlG1H102A946	C 1000PF, K, 50V	1	PAVCCZ
		C2011	FlG1H101A948	C 100PF, J, 50V	1	PAVCCZ
		C2012	FlG1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C2014	FlK1V106A010	C 10UF, , 35V	1	PAVCCZ
		C2023	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C2038	FlG1H102A946	C 1000PF, K, 50V	1	PAVCCZ
		C2039	FlG1H222A946	C 2200PF, K, 50V	1	PAVCCZ
		C2155	FlG1H221A834	C 220PF, -, 50V	1	PAVCCZ
		C2156	FlG1H221A834	C 220PF, -, 50V	1	PAVCCZ
		C2157	FlG1H221A834	C 220PF, -, 50V	1	PAVCCZ
		C2209	FlG1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C2210	FlJ0J2260004	C 22UF, , 6.3V	1	PAVCCZ
		C2213	FlG1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C2214	FlG1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C2801	FlH1H103B047	C 10NF, , 50V	1	PAVCCZ
		C2804	FlH1C104A178	C 0.1UF, -, 16V	1	PAVCCZ
		C2807	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C2808	FlH1C104A178	C 0.1UF, -, 16V	1	PAVCCZ
		C2851	FlJ1H104A902	C 100NF, , 50V	1	PAVCCZ
		C2852	FlJ1H104A902	C 100NF, , 50V	1	PAVCCZ
		C3000	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C3026	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C3036	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C3037	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C3040	FlG1H221A834	C 220PF, -, 50V	1	PAVCCZ
		C3041	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C3042	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C3061	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C3062	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C3063	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C3064	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C3065	FlG1H120A948	C 12PF, J, 50V	1	PAVCCZ
		C3101	FlG1H471A834	C 470PF, , 50V	1	PAVCCZ
		C3105	FlG1H471A834	C 470PF, , 50V	1	PAVCCZ
		C3135	FlG1H471A834	C 470PF, , 50V	1	PAVCCZ
		C3136	FlG1H471A834	C 470PF, , 50V	1	PAVCCZ
		C3139	FlG1H471A834	C 470PF, , 50V	1	PAVCCZ
		C3140	FlG1H471A834	C 470PF, , 50V	1	PAVCCZ
		C3166	FlG1H102A946	C 1000PF, K, 50V	1	PAVCCZ
		C3168	FlG1E333A144	C 0.033UF, -, 25V	1	PAVCCZ
		C3170	FlG1E333A144	C 0.033UF, -, 25V	1	PAVCCZ
		C3171	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C3172	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C3173	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C3174	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C3175	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C3176	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ


# Model No. : TX-40AS640B/E,R650    Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C3191	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C3192	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C3195	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C3196	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C3301	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C3302	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C3303	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C3304	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C3315	F2H1A101A040	E 100UF, , 10V	1	PAVCCZ
		C3316	F2H1A101A040	E 100UF, , 10V	1	PAVCCZ
		C4004	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C4005	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C4006	F1G1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C4008	F1G1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C4701	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C4906	F1H1E105A153	C 1000NF, , 25V	1	PAVCCZ
		C4909	F1J1E105A287	C 1000NF, , 25V	1	PAVCCZ
		C4910	F1H1E104A161	C 0.1UF, , 25V	1	PAVCCZ
		C4914	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C4916	F1H1E104A161	C 0.1UF, , 25V	1	PAVCCZ
		C4919	F1J1E105A287	C 1000NF, , 25V	1	PAVCCZ
		C4924	F1H1E104A161	C 0.1UF, , 25V	1	PAVCCZ
		C4926	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C4928	F1J1E105A287	C 1000NF, , 25V	1	PAVCCZ
		C4930	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C4933	F1H1E104A161	C 0.1UF, , 25V	1	PAVCCZ
		C4934	F1J1E105A287	C 1000NF, , 25V	1	PAVCCZ
		C4937	F1J1E224A272	C 220NF, , 25V	1	PAVCCZ
		C4938	F1J1E224A272	C 220NF, , 25V	1	PAVCCZ
		C5000	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C5002	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C5004	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C5006	F1H1E105A153	C 1000NF, , 25V	1	PAVCCZ
		C5012	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C5013	F1G1A474A070	C 0.47UF, Z, 10V	1	PAVCCZ
		C5020	F1G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C5021	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C5022	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C5026	F1H1E105A153	C 1000NF, , 25V	1	PAVCCZ
		C5150	F1G1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C5151	F1G1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C5171	F1G1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C5318	F1G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C5319	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C5320	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C5321	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C5322	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C5323	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C5324	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C5328	F1G1E562A086	C 5600PF, K, 25V	1	PAVCCZ
		C5329	F1G1E333A144	C 0.033UF, -, 25V	1	PAVCCZ
		C5705	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C5706	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C5707	F1J0G2260001	C 22UF, , 4V	1	PAVCCZ
		C5708	F1J0G2260001	C 22UF, , 4V	1	PAVCCZ
		C5709	F1G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C5711	F1G1E333A144	C 0.033UF, -, 25V	1	PAVCCZ
		C5713	F1G1H821A830	C 820PF, , 50V	1	PAVCCZ
		C5717	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C5718	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C5720	F1G1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C6704	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ

# Model No. : TX-40AS640B/E,R650 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C6705	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C6706	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C6708	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C6722	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6734	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6735	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6736	FlG1H101A948	C 100PF, J, 50V	1	PAVCCZ
		C6737	FlG1H101A948	C 100PF, J, 50V	1	PAVCCZ
		C6742	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C6743	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C6744	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C6745	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C6746	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6748	FlG1H102A946	C 1000PF, K, 50V	1	PAVCCZ
		C6757	FlG1H102A946	C 1000PF, K, 50V	1	PAVCCZ
		C6760	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C6761	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C6800	FlG1H8R0A833	C 8PF, -, 50V	1	PAVCCZ
		C6801	FlG1H8R0A833	C 8PF, -, 50V	1	PAVCCZ
		C6803	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6807	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6811	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6816	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C6820	FlG1H220A948	C 22PF, J, 50V	1	PAVCCZ
		C6822	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6823	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6825	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6826	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6836	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C6839	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C6843	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C6847	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C6849	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C7102	F1AAF471A019	C 470PF, K, 250V	1	PAVCCZ
		C7103	F1AAF471A019	C 470PF, K, 250V	1	PAVCCZ
		C7104	F0CAF3340009	P 0.33UF, K, 250V	1	PAVCCZ
		C7105	F0CAF2240010	P 0.22UF, K, 250V	1	PAVCCZ
		C7201	FlH1H102B052	C 1000PF, -, 50V	1	PAVCCZ
		C7202	FlH1H102B052	C 1000PF, -, 50V	1	PAVCCZ
		C7203	FlH1H104B047	C 100NF, , 50V	1	PAVCCZ
		C7204	FlH1H104B047	C 100NF, , 50V	1	PAVCCZ
		C7205	FlH1H102B052	C 1000PF, -, 50V	1	PAVCCZ
		C7206	FlH1H104B047	C 100NF, , 50V	1	PAVCCZ
		C7207	FlA3A471A060	C 470PF, , 1KV	1	PAVCCZ
		C7208	FlJ1E105A287	C 1000NF, , 25V	1	PAVCCZ
		C7209	ECWFD2W824KC	P 0.82UF, K, 450V	1	PAVCCZ
		C7213	F2A2W6500001	E 65UF, M, 450V	1	PAVCCZ
		C7214	FlJ1H103A900	C 10NF, , 50V	1	PAVCCZ
		C7215	F2A2W6500001	E 65UF, M, 450V	1	PAVCCZ
		C7302	FlJ1H104A902	C 100NF, , 50V	1	PAVCCZ
		C7303	FlJ1H104A902	C 100NF, , 50V	1	PAVCCZ
		C7304	FlA3A221A060	C 220PF, , 1KV	1	PAVCCZ
		C7305	FlJ1H104A902	C 100NF, , 50V	1	PAVCCZ
		C7306	FlJ1H104A902	C 100NF, , 50V	1	PAVCCZ
		C7307	FlH1H101B052	C 100PF, , 50V	1	PAVCCZ
		C7309	F1AAF101A019	C 100PF, K, 250V	1	PAVCCZ
		C7310	F2A1E4710124	E 470UF, M, 25V	1	PAVCCZ
		C7311	FlJ1E105A287	C 1000NF, , 25V	1	PAVCCZ
		C7312	FlH1C474A178	C 470NF, , 16V	1	PAVCCZ
		C7313	FlJ1H102A909	C 1NF, , 50V	1	PAVCCZ
		C7315	FlA3A101A060	C 100PF, , 1KV	1	PAVCCZ
		C7316	FlA3A101A060	C 100PF, , 1KV	1	PAVCCZ

# Model No. : TX-40AS640B/E,R650 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7317	ECWH8223HAC	P 0.022UF, , 800V	1	PAVCCZ
		C7318	F1AAF471A019	C 470PF, K, 250V	1	PAVCCZ
		C7319	F1A3A102A060	C 1NF, , 1KV	1	PAVCCZ
		C7416	F1J1C475A225	C 4700NF, , 16V	1	PAVCCZ
		C7417	F1H1C474A178	C 470NF, , 16V	1	PAVCCZ
		C7418	F1H1H104B047	C 100NF, , 50V	1	PAVCCZ
		C7422	F2A1V6810043	E 680UF, M, 35V	1	PAVCCZ
		C7423	F2A1E222B927	E 2200UF, , 25V	1	PAVCCZ
		C7434	F1J1E105A287	C 1000NF, , 25V	1	PAVCCZ
		C7439	F1J1C475A225	C 4700NF, , 16V	1	PAVCCZ
		C7522	F1K1E106A167	C 10UF, , 25V	1	PAVCCZ
		C7524	F1H1H104B047	C 100NF, , 50V	1	PAVCCZ
		C7525	F1J1H221A906	C 220PF, , 50V	1	PAVCCZ
		C7526	F1J1A106A111	C 10UF, M, 10V	1	PAVCCZ
		C7530	F1H1H104B047	C 100NF, , 50V	1	PAVCCZ
		C7531	F1H1H104B047	C 100NF, , 50V	1	PAVCCZ
		C7801	F1J1E105A287	C 1000NF, , 25V	1	PAVCCZ
		C7802	F1H1C104A178	C 0.1UF, -, 16V	1	PAVCCZ
		C7803	F1H1C224A178	C 0.22UF, , 16V	1	PAVCCZ
		C7804	F1H1H103B047	C 10NF, , 50V	1	PAVCCZ
		C7805	F1H1H103B047	C 10NF, , 50V	1	PAVCCZ
		C7806	F1J1E105A287	C 1000NF, , 25V	1	PAVCCZ
		C7807	F1H1H104B047	C 100NF, , 50V	1	PAVCCZ
		C7808	F1H1H102B048	C 1000PF, J, 50V	1	PAVCCZ
		C7815	F2A1V2710019	E 270UF, M, 35V	1	PAVCCZ
		C7816	F1H1H102B048	C 1000PF, J, 50V	1	PAVCCZ
		C7817	F1A3A471A060	C 470PF, , 1KV	1	PAVCCZ
		C7818	F1A3A102A060	C 1NF, , 1KV	1	PAVCCZ
		C7821	F1H1H102B048	C 1000PF, J, 50V	1	PAVCCZ
		C7824	F1H1H102B048	C 1000PF, J, 50V	1	PAVCCZ
		C7825	F1H1H102B048	C 1000PF, J, 50V	1	PAVCCZ
		C7828	F1H1H103B047	C 10NF, , 50V	1	PAVCCZ
		C7829	F1H1H103B047	C 10NF, , 50V	1	PAVCCZ
		C7830	F2A2A1010047	E 100UF, M, 100V	1	PAVCCZ
		C7832	F1K1E105A167	C 1UF, K, 25V	1	PAVCCZ
		C7841	F1J2E1030004	C 0.01UF, K, 250V	1	PAVCCZ
		C7842	F1J2E1030004	C 0.01UF, K, 250V	1	PAVCCZ
		C7843	F1J2E1030004	C 0.01UF, K, 250V	1	PAVCCZ
		C7844	F1J2E1030004	C 0.01UF, K, 250V	1	PAVCCZ
		C7845	F1J2E1030004	C 0.01UF, K, 250V	1	PAVCCZ
		C8002	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8003	F1G1H151A834	C 150PF, -, 50V	1	PAVCCZ
		C8004	F1G1H151A834	C 150PF, -, 50V	1	PAVCCZ
		C8005	F1G1H151A834	C 150PF, -, 50V	1	PAVCCZ
		C8006	F1G1H151A834	C 150PF, -, 50V	1	PAVCCZ
		C8007	F1G1H151A834	C 150PF, -, 50V	1	PAVCCZ
		C8008	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8012	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8013	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8014	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8016	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8017	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8018	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8019	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8020	F1G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8022	F1G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8024	F1G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8025	F1G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8026	F1G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8028	F1G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8029	F1J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8031	F1G1C104A146	C 0.1UF, , 16V	1	PAVCCZ

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8033	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8034	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8035	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8037	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8039	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8041	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8043	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8044	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8045	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8046	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8047	FlH1A475A102	C 4.7UF, K, 10V	1	PAVCCZ
		C8048	FlH1A475A102	C 4.7UF, K, 10V	1	PAVCCZ
		C8049	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8053	FlG1H470A834	C 47PF, , 50V	1	PAVCCZ
		C8054	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8055	FlG1H331A830	C 330PF, , 50V	1	PAVCCZ
		C8057	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8059	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8060	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8062	FlG1H331A830	C 330PF, , 50V	1	PAVCCZ
		C8063	FlG1H470A834	C 47PF, , 50V	1	PAVCCZ
		C8064	FlG1H331A830	C 330PF, , 50V	1	PAVCCZ
		C8065	FlG1H470A834	C 47PF, , 50V	1	PAVCCZ
		C8066	FlG1H331A830	C 330PF, , 50V	1	PAVCCZ
		C8100	FlG1H222A946	C 2200PF, K, 50V	1	PAVCCZ
		C8101	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8102	FlK1V106A010	C 10UF, , 35V	1	PAVCCZ
		C8103	FlK1V106A010	C 10UF, , 35V	1	PAVCCZ
		C8104	FlH1E104A161	C 0.1UF, , 25V	1	PAVCCZ
		C8105	FlG1E332A172	C 3300PF, K, 25V	1	PAVCCZ
		C8106	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8107	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8108	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8109	FlH1E105A153	C 1000NF, , 25V	1	PAVCCZ
		C8110	FlJ1E475A257	C 4700NF, , 25V	1	PAVCCZ
		C8112	FlK1V106A010	C 10UF, , 35V	1	PAVCCZ
		C8114	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8115	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8117	FlG1E332A172	C 3300PF, K, 25V	1	PAVCCZ
		C8119	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8120	FlJ0G2260001	C 22UF, , 4V	1	PAVCCZ
		C8123	FlH1E104A161	C 0.1UF, , 25V	1	PAVCCZ
		C8203	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8204	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8205	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8206	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8207	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8210	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8212	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8215	FlG1H331A830	C 330PF, , 50V	1	PAVCCZ
		C8216	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8218	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8220	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8221	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8222	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8223	FlG1H331A830	C 330PF, , 50V	1	PAVCCZ
		C8226	FlG1H331A830	C 330PF, , 50V	1	PAVCCZ
		C8227	FlG1H331A830	C 330PF, , 50V	1	PAVCCZ
		C8229	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8231	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8233	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8234	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ


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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8246	FIJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8250	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8251	FI G1H331A830	C 330PF, , 50V	1	PAVCCZ
		C8254	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8255	FI G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8256	FI G1H331A830	C 330PF, , 50V	1	PAVCCZ
		C8257	FI G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8259	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8300	FI G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8301	FI G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8302	FI G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8303	FI G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8304	FI G1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8305	FI G1H100A948	C 10PF, J, 50V	1	PAVCCZ
		C8306	FI G1H120A948	C 12PF, J, 50V	1	PAVCCZ
		C8404	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8405	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8406	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8408	FI K0J226A049	C 22UF, , 6.3V	1	PAVCCZ
		C8409	FI K0J226A049	C 22UF, , 6.3V	1	PAVCCZ
		C8412	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8413	FI G1H100A948	C 10PF, J, 50V	1	PAVCCZ
		C8414	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8600	FI H1E105A153	C 1000NF, , 25V	1	PAVCCZ
		C8602	FI G1H120A948	C 12PF, J, 50V	1	PAVCCZ
		C8603	FI G1H120A948	C 12PF, J, 50V	1	PAVCCZ
		C8604	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8605	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8608	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8609	FI H1E105A153	C 1000NF, , 25V	1	PAVCCZ
		C8611	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8613	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8615	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8616	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8617	FI G1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C8632	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8633	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8637	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8638	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8639	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8640	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8642	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8643	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8644	FI G1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C8645	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8646	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8649	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8652	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8655	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8658	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8659	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8674	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8675	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8676	FI G1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8678	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8679	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8682	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8722	FI K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C8723	FI H1E104A161	C 0.1UF, , 25V	1	PAVCCZ
		C8724	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8725	FI J1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8727	FI G1H680A834	C 68PF, , 50 V	1	PAVCCZ

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8728	FlG1H102A946	C 1000PF, K, 50V	1	PAVCCZ
		C8731	FlG1E103A172	C 0.01UF, K, 25V	1	PAVCCZ
		C8732	F1K1V106A010	C 10UF, , 35V	1	PAVCCZ
		C8733	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8734	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8737	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8738	FlG1H222A946	C 2200PF, K, 50V	1	PAVCCZ
		C8739	FlG1C473A146	C 0.047UF, -, 16V	1	PAVCCZ
		C8749	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8750	FlG1A105A047	C 1000NF, , 10V	1	PAVCCZ
		C8773	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8790	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8791	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8903	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8910	FlH1E105A153	C 1000NF, , 25V	1	PAVCCZ
		C8911	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8912	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8913	FlG1C104A146	C 0.1UF, , 16V	1	PAVCCZ
		C8914	FlJ1A106A043	C 10UF, , 10V	1	PAVCCZ
		C8915	FlG1H100A948	C 10PF, J, 50V	1	PAVCCZ
		C9050	FlG1H221A834	C 220PF, -, 50V	1	PAVCCZ
		C9051	FlG1H221A834	C 220PF, -, 50V	1	PAVCCZ
		C9052	FlG1H221A834	C 220PF, -, 50V	1	PAVCCZ
		C9053	FlG1H221A834	C 220PF, -, 50V	1	PAVCCZ
		C9054	FlG1H221A834	C 220PF, -, 50V	1	PAVCCZ
		CF7104	D4CA94R0A001	NTC THERMISTOR	1	PAVCCZ
		CN0100	K1KA14A00248	14P CONNECTOR	1	PAVCCZ
		D2230	B0JCCE000021	DIODE	1	PAVCCZ
		D2800	DZ2J056M0L	ZENER DIODE	1	PAVCCZ
		D2802	B3AGB0000083	LED	1	PAVCCZ
		D2851	DZ2J068M0L	DIODE	1	PAVCCZ
		D2852	DZ2J068M0L	DIODE	1	PAVCCZ
		D3007	DZ2J140M0L	DIODE	1	PAVCCZ
		D3008	DZ2J140M0L	DIODE	1	PAVCCZ
		D3009	DZ2J140M0L	DIODE	1	PAVCCZ
		D3010	DZ2J140M0L	DIODE	1	PAVCCZ
		D3011	DZ2J140M0L	DIODE	1	PAVCCZ
		D3012	DZ2J140M0L	DIODE	1	PAVCCZ
		D3013	DZ2J140M0L	DIODE	1	PAVCCZ
		D3014	DZ2J140M0L	DIODE	1	PAVCCZ
		D3021	DZ2J140M0L	DIODE	1	PAVCCZ
		D3022	DZ2J140M0L	DIODE	1	PAVCCZ
		D3023	DZ2J140M0L	DIODE	1	PAVCCZ
		D3024	DZ2J140M0L	DIODE	1	PAVCCZ
		D3025	DZ2J140M0L	DIODE	1	PAVCCZ
		D3026	DZ2J140M0L	DIODE	1	PAVCCZ
		D3101	K7AAAY000014	OPTICAL LINK	1	PAVCCZ
		D4723	DZ2J056M0L	ZENER DIODE	1	PAVCCZ
		D4724	DZ2J056M0L	ZENER DIODE	1	PAVCCZ
		D4761	DZ2J056M0L	ZENER DIODE	1	PAVCCZ
		D4773	B0JCED000012	DIODE	1	PAVCCZ
		D5172	DZ2J180M0L	ZENER DIODE	1	PAVCCZ
		D5173	DA2J10100L	DIODE	1	PAVCCZ
		D5178	DZ2J100M0L	ZENER DIODE	1	PAVCCZ
		D5180	DZ2J033M0L	DIODE	1	PAVCCZ
		D5188	B0ADCK000001	DIODE	1	PAVCCZ
	⚠	D7101	ERZE08C621CD	VARISTOR	1	PAVCCZ
		D7104	B0AAMT000014	DIODE	1	PAVCCZ
		D7105	B0AAMT000014	DIODE	1	PAVCCZ
	⚠	D7110	B0EBNT000030	DIODE	1	PAVCCZ
		D7211	B0ACCD000008	DIODE	1	PAVCCZ
		D7215	B0HAPR000013	DIODE	1	PAVCCZ

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D7221	B0ACCD000008	DIODE	1	PAVCCZ
		D7301	DZ2J039M0L	ZENER DIODE	1	PAVCCZ
		D7302	B0HAGQ000001	DIODE	1	PAVCCZ
		D7303	DZ2J039M0L	ZENER DIODE	1	PAVCCZ
		D7304	B0ECKM000053	DIODE	1	PAVCCZ
		D7305	B0ADCK000001	DIODE	1	PAVCCZ
		D7306	B0BC027A0336	DIODE	1	PAVCCZ
		D7307	B0BC027A0336	DIODE	1	PAVCCZ
		D7308	B0BC027A0336	DIODE	1	PAVCCZ
		D7311	B0BC027A0336	DIODE	1	PAVCCZ
		D7312	B0ACCD000008	DIODE	1	PAVCCZ
		D7313	B0ACCD000008	DIODE	1	PAVCCZ
		D7403	B0JBSL000046	DIODE	1	PAVCCZ
		D7404	DA2J10100L	DIODE	1	PAVCCZ
		D7405	B0ACCD000008	DIODE	1	PAVCCZ
		D7411	B0ACCD000008	DIODE	1	PAVCCZ
		D7412	B0JBSL000046	DIODE	1	PAVCCZ
		D7413	B0JBSL000046	DIODE	1	PAVCCZ
		D7502	B0JCPE000051	DIODE	1	PAVCCZ
		D7810	B0ACCD000008	DIODE	1	PAVCCZ
		D7811	B0ECKM000053	DIODE	1	PAVCCZ
		D7814	B0ACCD000008	DIODE	1	PAVCCZ
		D7815	B0JBSL000077	DIODE	1	PAVCCZ
		D8710	B0ACGM000001	DIODE	1	PAVCCZ
		F7101	K5E502YYA162	FUSE	1	PAVCCZ
		GK4	K1KY03BA0402	3P CONNECTOR	1	PAVCCZ
		IC3052	C0ABBB000179	IC DUAL OPERATIONAL AMPLIFIER	1	PAVCCZ
		IC4900	C1AB00003984	IC DIG AUDIO POWER AMPLIFIER	1	PAVCCZ
		IC5000	AN34043AAVF	IC ANALOG ASIC	1	PAVCCZ
		IC5300	C0DBAYY01300	DC/DC CONVERTER	1	PAVCCZ
		IC5702	C0DBAYY01656	IC DC/DC CONVERTER	1	PAVCCZ
		IC5704	C0DBEYY00102	IC REGULATOR	1	PAVCCZ
		IC6800	C1AB00004028	IC DVB-T2/T/C DEMODULATOR	1	PAVCCZ
		IC7201	C0DBBY000058	IC PFC	1	PAVCCZ
		IC7301	C0DBAYY01329	IC CURRENT RESONANT CONTROLLER	1	PAVCCZ
		IC7401	C0DBZYY00531	IC SHUNT REGULATOR	1	PAVCCZ
		IC7503	C0DBAYY01915	IC DC/DC CONVERTER	1	PAVCCZ
		IC7800	C0ZBZ0002164	IC LED DRIVER FOR BACKLIGHT	1	PAVCCZ
		IC7801	C0ZBZ0001936	IC SWITCHING DRIVER	1	PAVCCZ
		IC8000	MN2WS0280PB	IC PEAKS LD6	1	PAVCCZ
		IC8100	NN30332A-VB	IC DC/DC CONVERTER	1	PAVCCZ
		IC8101	C0DBAYY01644	IC STEP-DOWN DC/DC CONVERTER	1	PAVCCZ
		IC8200	C3ABUY000056	IC 2GBIT DDR3 SDRAM	1	PAVCCZ
		IC8201	C3ABUY000056	IC 2GBIT DDR3 SDRAM	1	PAVCCZ
		IC8202	C3ABVY000026	IC 4GBIT DDR3+SDRAM	1	PAVCCZ
		IC8400	C0DBZYY00382	IC SWITCH	1	PAVCCZ
		IC8601	C1CB00004168	IC USB HUB	1	PAVCCZ
		IC8602	C0DBZYY00723	IC SWITCH	1	PAVCCZ
		IC8603	C0DBZYY00723	IC SWITCH	1	PAVCCZ
		IC8606	C0DBZYY00723	IC SWITCH	1	PAVCCZ
		IC8650	C1CB00003736	IC LAN CONTROLLER	1	PAVCCZ
		IC8704	C0DBAYY01647	IC DC/DC CONVERTER	1	PAVCCZ
		IC8705	C0DBAYY01299	IC STEP-DOWN DC/DC CONVERTER	1	PAVCCZ
		IC8715	C0DBGYY00887	IC REGULATOR	1	PAVCCZ
		IC8901	STM40AS640B	IC EEPROM STM	1	(TX-40AS640B) PAVCCZ
		IC8901	STM40AS640E	IC EEPROM STM	1	(TX-40AS640E) PAVCCZ
		IC8901	STM40ASR650	IC EEPROM STM	1	(TX-40ASR650) PAVCCZ
		IC8903	TVR40AS640B	IC NAND FLASH 4GB EMMC	1	(TX-40AS640B) PAVCCZ
		IC8903	TVR40AS640E	IC NAND FLASH 4GB EMMC	1	(TX-40AS640E) PAVCCZ
		IC8903	TVR40ASR650	IC NAND FLASH 4GB EMMC	1	(TX-40ASR650) PAVCCZ
		JA2	D0GDR00J0004	M 0 OHM, J, 1/8W	1	PAVCCZ
		JA3	D0GDR00J0004	M 0 OHM, J, 1/8W	1	PAVCCZ



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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		JA4	D0GDR00J0004	M 0 OHM, J, 1/8W	1	PAVCCZ
		JA5	D0GDR00J0004	M 0 OHM, J, 1/8W	1	PAVCCZ
		JA6	D0GDR00J0004	M 0 OHM, J, 1/8W	1	PAVCCZ
		JA7	D0GDR00J0004	M 0 OHM, J, 1/8W	1	PAVCCZ
		JA8	D0GDR00J0004	M 0 OHM, J, 1/8W	1	PAVCCZ
		JA9	D0GDR00J0004	M 0 OHM, J, 1/8W	1	PAVCCZ
		JK3001B	K1U511D00002	YUV_V/AUDIO IN TERMINAL	1	PAVCCZ
		JK3011	K1FY121D0001	21P SCART TERMINAL	1	PAVCCZ
		JK3111A	K2HC1YYB0079	HP TERMINAL	1	PAVCCZ
		JK4701	K1FY119E0066	HDMI TERMINAL	1	PAVCCZ
		JK4702	K1FY119E0066	HDMI TERMINAL	1	PAVCCZ
		JK4703	K1FY119E0066	HDMI TERMINAL	1	PAVCCZ
		JK7101	K2AAYB000010	AC INLET	1	PAVCCZ
		JK8400A	K1NA68B00064	CI CONNECTOR	1	PAVCCZ
		JK8601	K1FY104B0092	USB TERMINAL	1	PAVCCZ
		JK8602	K2LC1YYE0003	ETHERNET TERMINAL	1	PAVCCZ
		JK8603A	K1FY104B0092	USB TERMINAL	1	PAVCCZ
		JK8605	K1FY105E0025	USB TERMINAL	1	PAVCCZ
		JS7406	D0GDR00J0004	M 0 OHM, J, 1/8W	1	PAVCCZ
		K10	K1KY07BA0483	7P CONNECTOR	1	PAVCCZ
		L2200	J0JYC0000464	FILTER	1	PAVCCZ
		L4006	J0ZZB0000147	FILTER	1	PAVCCZ
		L4007	J0ZZB0000147	FILTER	1	PAVCCZ
		L4008	J0ZZB0000147	FILTER	1	PAVCCZ
		L4009	J0ZZB0000147	FILTER	1	PAVCCZ
		L4010	J0ZZB0000147	FILTER	1	PAVCCZ
		L4011	J0ZZB0000147	FILTER	1	PAVCCZ
		L4012	J0ZZB0000147	FILTER	1	PAVCCZ
		L4013	J0ZZB0000147	FILTER	1	PAVCCZ
		L4014	J0ZZB0000147	FILTER	1	PAVCCZ
		L4015	J0ZZB0000147	FILTER	1	PAVCCZ
		L4016	J0ZZB0000147	FILTER	1	PAVCCZ
		L4017	J0ZZB0000147	FILTER	1	PAVCCZ
		L4901	G1C220MA0533	COIL	1	PAVCCZ
		L4902	G1C220MA0533	COIL	1	PAVCCZ
		L4903	G1C220MA0533	COIL	1	PAVCCZ
		L4904	G1C220MA0533	COIL	1	PAVCCZ
		L5300	G1C150MA0445	COIL	1	PAVCCZ
		L5700	G1C2R2MA0464	COIL	1	PAVCCZ
		L5701	J0JYC0000464	FILTER	1	PAVCCZ
		L6704	J0JYC0000464	FILTER	1	PAVCCZ
		L6706	J0JYC0000464	FILTER	1	PAVCCZ
		L6801	J0JYC0000464	FILTER	1	PAVCCZ
		L6804	J0JYC0000464	FILTER	1	PAVCCZ
		L7207	EXCELSA35T	BEAD CHOKE	1	PAVCCZ
		L7208	EXCELSA35T	BEAD CHOKE	1	PAVCCZ
		L7502	G0C270MA0049	COIL	1	PAVCCZ
		L7800	G0C470K00027	COIL	1	PAVCCZ
		L7804	J0JHC0000075	FILTER	1	PAVCCZ
		L8001	J0JYC0000464	FILTER	1	PAVCCZ
		L8002	J0JYC0000686	FILTER	1	PAVCCZ
		L8003	J0JYC0000686	FILTER	1	PAVCCZ
		L8100	G1C1R0M00022	COIL	1	PAVCCZ
		L8101	G1C3R3MA0464	COIL	1	PAVCCZ
		L8102	J0JYC0000686	FILTER	1	PAVCCZ
		L8600	J0ZZB0000142	FILTER	1	PAVCCZ
		L8601	J0ZZB0000142	FILTER	1	PAVCCZ
		L8602	J0ZZB0000142	FILTER	1	PAVCCZ
		L8604	J0JYC0000464	FILTER	1	PAVCCZ
		L8605	J0JYC0000464	FILTER	1	PAVCCZ
		L8606	J0JYC0000464	FILTER	1	PAVCCZ
		L8607	J0JYC0000464	FILTER	1	PAVCCZ

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		L8608	J0JYC0000464	FILTER	1	PAVCCZ
		L8615	J0ZZB0000142	FILTER	1	PAVCCZ
		L8704	G1C3R3ZA0388	COIL	1	PAVCCZ
		L8705	G1C4R7ZA0311	COIL	1	PAVCCZ
		L8902	J0JYC0000464	FILTER	1	PAVCCZ
		L8903	J0JYC0000464	FILTER	1	PAVCCZ
		LF7103	G0B952G00002	LINE FILTER	1	PAVCCZ
		LF7104	G0B183G00008	LINE FILTER	1	PAVCCZ
		LF7105	G0B350HA0036	LINE FILTER	1	PAVCCZ
		P2	K1KY20BA0491	20P CONNECTOR	1	PAVCCZ
		P4	K1KY13BA0386	13P CONNECTOR	1	PAVCCZ
		P5	K1KY03BA0402	3P CONNECTOR	1	PAVCCZ
		PA2002	K5H4022A0031	FUSE	1	PAVCCZ
		PA5703	K5H1022A0031	FUSE	1	PAVCCZ
		PA7403	K5G103AA0009	FUSE	1	PAVCCZ
		PA7406	ERBRE5R00V	FUSE	1	PAVCCZ
		PA8754	K5H4022A0031	FUSE	1	PAVCCZ
		PC7301	B3PAA0000674	PHOTO COUPLER	1	PAVCCZ
		PC7302	B3PAA0000674	PHOTO COUPLER	1	PAVCCZ
		PC7303	B3PAA0000674	PHOTO COUPLER	1	PAVCCZ
		Q2210	B1ABCF000231	TRANSISTOR	1	PAVCCZ
		Q2211	B1ABCF000231	TRANSISTOR	1	PAVCCZ
		Q3051	B1HFCEA00001	TRANSISTOR	1	PAVCCZ
		Q3052	B1HFCEA00001	TRANSISTOR	1	PAVCCZ
		Q3053	B1ADCE000022	TRANSISTOR	1	PAVCCZ
		Q3301	B1ABKE000001	TRANSISTOR	1	PAVCCZ
		Q3302	B1ABKE000001	TRANSISTOR	1	PAVCCZ
		Q3305	B1ABKE000001	TRANSISTOR	1	PAVCCZ
		Q3306	B1ABKE000001	TRANSISTOR	1	PAVCCZ
		Q3307	B1ABCF000231	TRANSISTOR	1	PAVCCZ
		Q4700	B1ABCF000231	TRANSISTOR	1	PAVCCZ
		Q4701	B1ABCF000231	TRANSISTOR	1	PAVCCZ
		Q4750	B1ABCF000231	TRANSISTOR	1	PAVCCZ
		Q7201	B1CERR000096	TRANSISTOR	1	PAVCCZ
		Q7202	B1ADGE000012	TRANSISTOR	1	PAVCCZ
		Q7301	B1CBRR000002	TRANSISTOR	1	PAVCCZ
		Q7302	B1CBRR000002	TRANSISTOR	1	PAVCCZ
		Q7303	B1ADCE000022	TRANSISTOR	1	PAVCCZ
		Q7401	B1CFJD000007	TRANSISTOR	1	PAVCCZ
		Q7402	B1CHRE000015	TRANSISTOR	1	PAVCCZ
		Q7403	B1CHRE000015	TRANSISTOR	1	PAVCCZ
		Q7404	B1CHRE000015	TRANSISTOR	1	PAVCCZ
		Q7406	B1CFJD000007	TRANSISTOR	1	PAVCCZ
		Q7407	B1ADCE000022	TRANSISTOR	1	PAVCCZ
		Q7800	B1ABCF000231	TRANSISTOR	1	PAVCCZ
		Q7801	B1CERM000047	TRANSISTOR	1	PAVCCZ
		Q7802	B1BDBJ000001	TRANSISTOR	1	PAVCCZ
		Q7803	B1BDBJ000001	TRANSISTOR	1	PAVCCZ
		Q7804	B1BDBJ000001	TRANSISTOR	1	PAVCCZ
		Q7805	B1BDBJ000001	TRANSISTOR	1	PAVCCZ
		Q7809	B1BDBJ000001	TRANSISTOR	1	PAVCCZ
		Q7812	B1CFJD000007	TRANSISTOR	1	PAVCCZ
		Q7813	B1CBHG000002	TRANSISTOR	1	PAVCCZ
		Q7814	B1ABCF000231	TRANSISTOR	1	PAVCCZ
		R054	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R090	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R0902	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R0905	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R0906	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R0909	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R0910	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R0911	D1H83324A042	M 3K3 OHM, J, 1/16W	1	PAVCCZ

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R0912	D0GA101JA039	M 100 OHM, J, 1/16W	1	PAVCCZ
		R0913	D0GA101JA039	M 100 OHM, J, 1/16W	1	PAVCCZ
		R0930	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R0931	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R0940	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R0945	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R0946	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R0952	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R0953	D0GA101JA039	M 100 OHM, J, 1/16W	1	PAVCCZ
		R0954	D0GA101JA039	M 100 OHM, J, 1/16W	1	PAVCCZ
		R0961	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R0962	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R0965	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R0966	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R0967	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R0968	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R0969	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R0970	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R0971	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R2004	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2007	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R2008	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2010	D1BA7151A023	M 7K15 OHM, F, 1/16W	1	PAVCCZ
		R2011	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R2014	D0GA472JA023	M 4K7 OHM, J, 1/16W	1	PAVCCZ
		R2015	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R2016	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2017	F1G1H102A946	C 1000PF, K, 50V	1	PAVCCZ
		R2040	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R2051	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R2052	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R2152	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R2153	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R2154	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R2155	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2156	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2157	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2158	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2159	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2160	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2161	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2230	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R2240	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2263	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R2264	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R2267	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R2273	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R2274	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R2275	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R2276	D0GA223JA023	M 22K OHM, J, 1/16W	1	PAVCCZ
		R2277	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R2278	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R2804	D0GBR00J0004	M 0 OHM, J, 1/10W	1	PAVCCZ
		R2807	D0GBR00J0004	M 0 OHM, J, 1/10W	1	PAVCCZ
		R2820	D0GB470JA065	M 47 OHM, J, 1/10W	1	PAVCCZ
		R2821	D0GB332JA065	M 3K3 OHM, J, 1/10W	1	PAVCCZ
		R2822	D0GD104JA052	M 100K OHM, J, 1/8W	1	PAVCCZ
		R2823	D1BB4301A073	M 4K3 OHM, F, 1/10W	1	PAVCCZ
		R2824	D1BB1001A073	M 1K OHM, F, 1/10W	1	PAVCCZ
		R2852	D1BD1911A203	M 1K91 OHM, F, 1/8W	1	PAVCCZ
		R2853	D1BD3091A203	M 3K09 OHM, F, 1/8W	1	PAVCCZ
		R2854	D1BD6041A203	M 6K04 OHM, F, 1/8W	1	PAVCCZ




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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R2855	D1BD1692A203	M 16K9 OHM, F, 1/8W	1	PAVCCZ
		R3007	D1HY2204A012	M 22 OHM, J, 1/16W	1	PAVCCZ
		R3011	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R3012	D1BD75R0A204	M 75 OHM, F, 1/8W	1	PAVCCZ
		R3013	D1BD75R0A204	M 75 OHM, F, 1/8W	1	PAVCCZ
		R3014	D1BD75R0A204	M 75 OHM, F, 1/8W	1	PAVCCZ
		R3015	D1HY2204A012	M 22 OHM, J, 1/16W	1	PAVCCZ
		R3038	D1BA1403A023	M 140K OHM, F, 1/16W	1	PAVCCZ
		R3041	D0GA220JA023	M 22 OHM, J, 1/16W	1	PAVCCZ
		R3042	D1BF75R0A073	M 75 OHM, F, 1/4W	1	PAVCCZ
		R3043	D1BF75R0A073	M 75 OHM, F, 1/4W	1	PAVCCZ
		R3044	D1BF75R0A073	M 75 OHM, F, 1/4W	1	PAVCCZ
		R3045	D1BF75R0A073	M 75 OHM, F, 1/4W	1	PAVCCZ
		R3047	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R3053	D0GA333JA023	M 33K OHM, J, 1/16W	1	PAVCCZ
		R3054	D0GA333JA023	M 33K OHM, J, 1/16W	1	PAVCCZ
		R3056	D1BA1403A023	M 140K OHM, F, 1/16W	1	PAVCCZ
		R3058	D0GA101JA039	M 100 OHM, J, 1/16W	1	PAVCCZ
		R3060	D0GA101JA039	M 100 OHM, J, 1/16W	1	PAVCCZ
		R3061	D0GA304JA023	M 300K OHM, J, 1/16W	1	PAVCCZ
		R3062	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R3063	D0GA104JA039	M 100K OHM, J, 1/16W	1	PAVCCZ
		R3064	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R3068	D1BA1403A023	M 140K OHM, F, 1/16W	1	PAVCCZ
		R3069	D1BA1403A023	M 140K OHM, F, 1/16W	1	PAVCCZ
		R3070	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R3071	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R3072	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R3073	D0GA152JA023	M 1K5 OHM, J, 1/16W	1	PAVCCZ
		R3074	D0GA152JA023	M 1K5 OHM, J, 1/16W	1	PAVCCZ
		R3079	D0GA101JA039	M 100 OHM, J, 1/16W	1	PAVCCZ
		R3080	D0GA101JA039	M 100 OHM, J, 1/16W	1	PAVCCZ
		R3102	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R3103	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R3117	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R3118	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R3129	D0GA471JA023	M 470 OHM, J, 1/16W	1	PAVCCZ
		R3132	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R3137	D1BD75R0A204	M 75 OHM, F, 1/8W	1	PAVCCZ
		R3167	D0GA333JA023	M 33K OHM, J, 1/16W	1	PAVCCZ
		R3168	D0GA333JA023	M 33K OHM, J, 1/16W	1	PAVCCZ
		R3202	D1BF75R0A073	M 75 OHM, F, 1/4W	1	PAVCCZ
		R3231	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R3233	D0GA203JA023	M 20K OHM, J, 1/16W	1	PAVCCZ
		R3234	D0GA203JA023	M 20K OHM, J, 1/16W	1	PAVCCZ
		R3237	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R3238	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R3309	D0GA331JA023	M 330 OHM, J, 1/16W	1	PAVCCZ
		R3310	D0GA331JA023	M 330 OHM, J, 1/16W	1	PAVCCZ
		R3312	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R3314	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R3317	D0GA104JA039	M 100K OHM, J, 1/16W	1	PAVCCZ
		R3318	D0GA104JA039	M 100K OHM, J, 1/16W	1	PAVCCZ
		R3319	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R3320	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R3326	D0GB272JA065	M 2K7 OHM, J, 1/10W	1	PAVCCZ
		R3327	D0GB272JA065	M 2K7 OHM, J, 1/10W	1	PAVCCZ
		R3329	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R3330	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4099	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R4101	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R4104	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ


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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R4105	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R4106	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4700	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4701	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4702	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4703	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4705	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R4706	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R4707	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R4708	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R4709	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R4710	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R4711	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4712	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4713	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4715	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R4717	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R4718	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R4720	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R4721	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R4722	D1BA1600A023	M 160 OHM, F, 1/16W	1	PAVCCZ
		R4723	D1BA82R0A023	M 82 OHM, F, 1/16W	1	PAVCCZ
		R4751	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4752	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4753	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4755	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R4757	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R4758	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R4759	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R4760	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R4798	D0GA273JA023	M 27K OHM, J, 1/16W	1	PAVCCZ
		R4900	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4901	D0GFR00J0005	M 0 OHM, J, 1/4W	1	PAVCCZ
		R4902	D1H8680A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R4903	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R4904	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R4909	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R4910	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R4913	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R5002	D0GA683JA023	M 68K OHM, J, 1/16W	1	PAVCCZ
		R5003	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R5006	D0GA623JA023	M 62K OHM, J, 1/16W	1	PAVCCZ
		R5007	D0GA243JA023	M 24K OHM, J, 1/16W	1	PAVCCZ
		R5009	D1BA5602A023	M 56K OHM, F, 1/16W	1	PAVCCZ
		R5012	D1BA2202A023	M 22K OHM, F, 1/16W	1	PAVCCZ
		R5015	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R5018	D0GA182JA023	M 1K8 OHM, J, 1/16W	1	PAVCCZ
		R5030	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R5100	D0GA101JA039	M 100 OHM, J, 1/16W	1	PAVCCZ
		R5101	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R5102	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R5104	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R5152	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R5174	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R5175	D0GA681JA023	M 680 OHM, J, 1/16W	1	PAVCCZ
		R5176	D0GB101JA065	M 100 OHM, J, 1/10W	1	PAVCCZ
		R5312	D0GA220JA023	M 22 OHM, J, 1/16W	1	PAVCCZ
		R5315	D1BA1402A023	M 14K OHM, F, 1/16W	1	PAVCCZ
		R5316	D1BA1001A023	M 1K OHM, F, 1/16W	1	PAVCCZ
		R5318	D1BA1502A023	M 15K OHM, F, 1/16W	1	PAVCCZ
		R5707	D0GBR00J0004	M 0 OHM, J, 1/10W	1	PAVCCZ
		R5715	D1BA1502A023	M 15K OHM, F, 1/16W	1	PAVCCZ

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R5716	D1BA6041A023	M 6K04 OHM, F, 1/16W	1	PAVCCZ
		R5717	D0GA123JA023	M 12K OHM, J, 1/16W	1	PAVCCZ
		R5731	D1BA1200A023	M 120 OHM, F, 1/16W	1	PAVCCZ
		R5732	D1BA56R0A023	M 56 OHM, F, 1/16W	1	PAVCCZ
		R5736	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R6720	D0GA221JA023	M 220 OHM, J, 1/16W	1	PAVCCZ
		R6721	D0GA221JA023	M 220 OHM, J, 1/16W	1	PAVCCZ
		R6734	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R6804	D0GA471JA023	M 470 OHM, J, 1/16W	1	PAVCCZ
		R6806	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R6809	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R6810	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R6811	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R6815	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R6817	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R6818	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R6819	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R6821	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R6825	D0GA332JA023	M 3K3 OHM, J, 1/16W	1	PAVCCZ
		R6828	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R6829	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R6830	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R6834	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R6835	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R6836	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R6837	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R6843	D0GBR00J0004	M 0 OHM, J, 1/10W	1	PAVCCZ
		R6863	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R6895	D0GA332JA023	M 3K3 OHM, J, 1/16W	1	PAVCCZ
		R6896	D0GA332JA023	M 3K3 OHM, J, 1/16W	1	PAVCCZ
		R6899	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R7101	D0GF474JA048	M 470K OHM, J, 1/3W	1	PAVCCZ
		R7102	D0GF474JA048	M 470K OHM, J, 1/3W	1	PAVCCZ
		R7103	D0GF474JA048	M 470K OHM, J, 1/3W	1	PAVCCZ
		R7104	D0GD102JA052	M 1K OHM, J, 1/8W	1	PAVCCZ
		R7105	D0GD102JA052	M 1K OHM, J, 1/8W	1	PAVCCZ
		R7201	ERX1SJR22V	M R22 OHM, J, 1W	1	PAVCCZ
		R7202	ERX1SJR22V	M R22 OHM, J, 1W	1	PAVCCZ
		R7203	D0GB563ZA038	M 56K OHM, J, 1/10W	1	PAVCCZ
		R7204	D0GZ181JA020	M 180 OHM, J, 1/2W	1	PAVCCZ
		R7205	D0GB101JA065	M 100 OHM, J, 1/10W	1	PAVCCZ
		R7206	D0GD4R7JA059	M 4R7 OHM, J, 1/4W	1	PAVCCZ
		R7207	D0GB103JA065	M 10K OHM, J, 1/10W	1	PAVCCZ
		R7209	D0GB100JA065	M 10 OHM, J, 1/10W	1	PAVCCZ
		R7212	D0GB683ZA038	M 68K OHM, J, 1/10W	1	PAVCCZ
		R7219	D0GB513JA065	M 51K OHM, J, 1/10W	1	PAVCCZ
		R7220	D0GB223JA065	M 22K OHM, J, 1/10W	1	PAVCCZ
		R7224	D1AB2704A023	M 2M7 OHM, J, 1/4W	1	PAVCCZ
		R7225	D1AB2704A023	M 2M7 OHM, J, 1/4W	1	PAVCCZ
		R7226	D1AB2404A023	M 2M4 OHM, J, 1/4W	1	PAVCCZ
		R7227	D1AB3004A023	M 3M OHM, J, 1/4W	1	PAVCCZ
		R7230	D0GB333ZA038	M 33K OHM, 1/10W	1	PAVCCZ
		R7231	D0GB363ZA038	M 36K OHM, J, 1/10W	1	PAVCCZ
		R7245	D0GF220JA048	M 22 OHM, , 1/4W	1	PAVCCZ
		R7246	D0GZ181JA020	M 180 OHM, J, 1/2W	1	PAVCCZ
		R7302	D0GF391JA048	M 390 OHM, -, 1/3W	1	PAVCCZ
		R7303	D0GF391JA048	M 390 OHM, -, 1/3W	1	PAVCCZ
		R7304	D0GF4R7JA048	M 4R7 OHM, J, 1/4W	1	PAVCCZ
		R7305	D0GF121JA048	M 120 OHM, J, 1/4W	1	PAVCCZ
		R7306	D0GD222JA052	M 2K2 OHM, J, 1/8W	1	PAVCCZ
		R7307	D0GD562JA052	M 5K6 OHM, J, 1/8W	1	PAVCCZ
		R7308	D0GD222JA052	M 2K2 OHM, J, 1/8W	1	PAVCCZ

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7311	D0XB106JA018	M 10M OHM, J, 1W	1	PAVCCZ
		R7312	D0GB153ZA038	M 15K OHM, J, 1/10W	1	PAVCCZ
		R7314	D0GB104JA065	M 100K OHM, J, 1/10W	1	PAVCCZ
		R7315	D0GD222JA052	M 2K2 OHM, J, 1/8W	1	PAVCCZ
		R7317	D0GB223JA065	M 22K OHM, J, 1/10W	1	PAVCCZ
		R7318	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7319	D0GD473JA052	M 47K OHM, J, 1/8W	1	PAVCCZ
		R7320	D0GB103JA065	M 10K OHM, J, 1/10W	1	PAVCCZ
		R7321	D0GF220JA048	M 22 OHM, , 1/4W	1	PAVCCZ
		R7322	D0GF220JA048	M 22 OHM, , 1/4W	1	PAVCCZ
		R7323	D0GB103JA065	M 10K OHM, J, 1/10W	1	PAVCCZ
		R7324	D0GB103JA065	M 10K OHM, J, 1/10W	1	PAVCCZ
		R7385	D0GF100JA048	M 10 OHM, J, 1/10W	1	PAVCCZ
		R7387	D0GF4R7JA048	M 4R7 OHM, J, 1/4W	1	PAVCCZ
		R7401	D0GB472JA065	M 4K7 OHM, J, 1/10W	1	PAVCCZ
		R7402	D0GB103JA065	M 10K OHM, J, 1/10W	1	PAVCCZ
		R7403	D0GB102JA065	M 1K OHM, J, 1/10W	1	PAVCCZ
		R7404	D0GB224JA065	M 220K OHM, J, 1/10W	1	PAVCCZ
		R7405	D0GD222JA052	M 2K2 OHM, J, 1/8W	1	PAVCCZ
		R7406	D0GB332ZA038	M 3K3 OHM, -, 1/10W	1	PAVCCZ
		R7407	D0GB223JA065	M 22K OHM, J, 1/10W	1	PAVCCZ
		R7408	D1BB1742A106	M 17K4 OHM, F, 1/10W	1	PAVCCZ
		R7409	D0GB104JA065	M 100K OHM, J, 1/10W	1	PAVCCZ
		R7410	D0GB153JA065	M 15K OHM, J, 1/10W	1	PAVCCZ
		R7411	D0GB224JA065	M 220K OHM, J, 1/10W	1	PAVCCZ
		R7412	D0GB153JA065	M 15K OHM, J, 1/10W	1	PAVCCZ
		R7416	D0GD103JA052	M 10K OHM, J, 1/8W	1	PAVCCZ
		R7417	D0GD103JA052	M 10K OHM, J, 1/8W	1	PAVCCZ
		R7420	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7421	D0GD124JA052	M 120K OHM, J, 1/8W	1	PAVCCZ
		R7425	ERX1SJ1R0V	M 1 OHM, J, 1W	1	PAVCCZ
		R7427	D0GB223JA065	M 22K OHM, J, 1/10W	1	PAVCCZ
		R7428	D0GB154JA065	M 150K OHM, J, 1/10W	1	PAVCCZ
		R7429	D0GB104JA065	M 100K OHM, J, 1/10W	1	PAVCCZ
		R7430	D0GB104JA065	M 100K OHM, J, 1/10W	1	PAVCCZ
		R7504	D0GD104JA052	M 100K OHM, J, 1/8W	1	PAVCCZ
		R7509	D0GD224JA052	M 220K OHM, J, 1/8W	1	PAVCCZ
		R7533	D1BB7872A106	M 78K7 OHM, F, 1/10W	1	PAVCCZ
		R7534	D1BB1432A106	M 14K3 OHM, F, 1/10W	1	PAVCCZ
		R7535	D0GB100JA065	M 10 OHM, J, 1/10W	1	PAVCCZ
		R7536	D0GB514JA065	M 510K OHM, J, 1/10W	1	PAVCCZ
		R7800	D0GB103JA065	M 10K OHM, J, 1/10W	1	PAVCCZ
		R7801	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7803	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7804	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7805	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7806	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7807	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7808	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7809	D1BB1203A143	M 120K OHM, F, 1/10W	1	PAVCCZ
		R7810	D1BB1333A143	M 133K OHM, F, 1/10W	1	PAVCCZ
		R7811	D1BB1201A143	M 1K2 OHM, F, 1/10W	1	PAVCCZ
		R7812	D1BB1503A143	M 150K OHM, F, 1/10W	1	PAVCCZ
		R7815	ERX1SJR22V	M R22 OHM, J, 1W	1	PAVCCZ
		R7816	ERX1SJR22V	M R22 OHM, J, 1W	1	PAVCCZ
		R7817	ERX1SJR22V	M R22 OHM, J, 1W	1	PAVCCZ
		R7818	ERX1SJR22V	M R22 OHM, J, 1W	1	PAVCCZ
		R7820	D1BB1403A143	M 140K OHM, F, 1/10W	1	PAVCCZ
		R7821	D1BB1402A143	M 14K OHM, F, 1/10W	1	PAVCCZ
		R7822	D0GB114JA065	M 110K OHM, J, 1/10W	1	PAVCCZ
		R7823	D0GB203JA065	M 20K OHM, J, 1/10W	1	PAVCCZ
		R7824	D0GD470JA059	M 47 OHM, J, 1/4W	1	PAVCCZ

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7825	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7827	D0GD101JA052	M 100 OHM, J, 1/8W	1	PAVCCZ
		R7828	D0GBR00J0004	M 0 OHM, J, 1/10W	1	PAVCCZ
		R7830	D0GBR00J0004	M 0 OHM, J, 1/10W	1	PAVCCZ
		R7831	D0GB470JA065	M 47 OHM, J, 1/10W	1	PAVCCZ
		R7833	D0GD100JA059	M 10 OHM, J, 1/4W	1	PAVCCZ
		R7834	D0GBR00J0004	M 0 OHM, J, 1/10W	1	PAVCCZ
		R7836	D1BB2612A143	M 26K1 OHM, F, 1/10W	1	PAVCCZ
		R7838	D0GB470JA065	M 47 OHM, J, 1/10W	1	PAVCCZ
		R7839	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7840	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7841	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7842	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7846	D0GB101JA065	M 100 OHM, J, 1/10W	1	PAVCCZ
		R7847	D0GB101JA065	M 100 OHM, J, 1/10W	1	PAVCCZ
		R7848	D0GB101JA065	M 100 OHM, J, 1/10W	1	PAVCCZ
		R7849	D0GB101JA065	M 100 OHM, J, 1/10W	1	PAVCCZ
		R7850	D0GB101JA065	M 100 OHM, J, 1/10W	1	PAVCCZ
		R7857	D1BB1403A143	M 140K OHM, F, 1/10W	1	PAVCCZ
		R7858	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7861	D0GB104JA065	M 100K OHM, J, 1/10W	1	PAVCCZ
		R7862	D0GB224ZA041	M 220K OHM, J, 1/10W	1	PAVCCZ
		R7863	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7864	D0GB104JA065	M 100K OHM, J, 1/10W	1	PAVCCZ
		R7865	D1BB6802A143	M 68K OHM, F, 1/10W	1	PAVCCZ
		R7866	D1BB3902A143	M 39K OHM, F, 1/10W	1	PAVCCZ
		R7867	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7868	D0GB103JA065	M 10K OHM, J, 1/10W	1	PAVCCZ
		R7869	D0GB473JA065	M 47K OHM, J, 1/10W	1	PAVCCZ
		R7878	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7879	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7880	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7881	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7882	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7885	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7886	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7887	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7888	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7889	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7890	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7891	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7892	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7893	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R7894	D1BD3R30A179	M 3R3 OHM, F, 1/8W	1	PAVCCZ
		R8010	D0GA511JA023	M 510 OHM, J, 1/16W	1	PAVCCZ
		R8012	D0GA1R1JA023	M 1R1 OHM, J, 1/16W	1	PAVCCZ
		R8108	D1BA4701A023	M 4K7 OHM, F, 1/16W	1	PAVCCZ
		R8109	D1BA2002A023	M 20K OHM, F, 1/16W	1	PAVCCZ
		R8110	D1BA1802A014	M 18K OHM, F, 1/16W	1	PAVCCZ
		R8200	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8203	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8206	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8217	D0GA221JA023	M 220 OHM, J, 1/16W	1	PAVCCZ
		R8218	D0GA221JA023	M 220 OHM, J, 1/16W	1	PAVCCZ
		R8219	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8220	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8221	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8230	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8231	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8232	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8233	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8234	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ



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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8236	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8239	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8242	D0GA111JA023	M 110 OHM, J, 1/16W	1	PAVCCZ
		R8244	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8245	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8250	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8251	D1BA2400A023	M 240 OHM, F, 1/16W	1	PAVCCZ
		R8300	D0GA360JA023	M 36 OHM, J, 1/16W	1	PAVCCZ
		R8301	D0GA360JA023	M 36 OHM, J, 1/16W	1	PAVCCZ
		R8302	D0GA360JA023	M 36 OHM, J, 1/16W	1	PAVCCZ
		R8303	D1BA6201A023	M 6K2 OHM, F, 1/16W	1	PAVCCZ
		R8304	D0GA331JA023	M 330 OHM, J, 1/16W	1	PAVCCZ
		R8305	D1HY2204A012	M 22 OHM, J, 1/16W	1	PAVCCZ
		R8306	D1HY2204A012	M 22 OHM, J, 1/16W	1	PAVCCZ
		R8307	D1HY2204A012	M 22 OHM, J, 1/16W	1	PAVCCZ
		R8308	D1HY2204A012	M 22 OHM, J, 1/16W	1	PAVCCZ
		R8309	D1HY2204A012	M 22 OHM, J, 1/16W	1	PAVCCZ
		R8313	D1HY4704A012	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8314	D1HY4704A012	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8315	D1HY4704A012	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8316	D1HY4704A012	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8317	D1HY4704A012	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8320	D0GA330JA023	M 33 OHM, J, 1/16W	1	PAVCCZ
		R8321	D0GA330JA023	M 33 OHM, J, 1/16W	1	PAVCCZ
		R8322	D0GA220JA023	M 22 OHM, J, 1/16W	1	PAVCCZ
		R8323	D0GA330JA023	M 33 OHM, J, 1/16W	1	PAVCCZ
		R8324	D0GA330JA023	M 33 OHM, J, 1/16W	1	PAVCCZ
		R8325	D0GA220JA023	M 22 OHM, J, 1/16W	1	PAVCCZ
		R8326	D0GA330JA023	M 33 OHM, J, 1/16W	1	PAVCCZ
		R8327	D0GA330JA023	M 33 OHM, J, 1/16W	1	PAVCCZ
		R8328	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8329	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8330	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8331	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8332	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8403	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8404	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8405	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8406	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8407	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8408	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8410	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8411	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8412	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8413	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8414	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8415	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8417	D1HY4704A012	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8418	D1HY4704A012	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8425	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8426	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8427	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8428	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8429	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8430	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8431	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8432	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8433	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8434	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8435	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8436	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8437	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ



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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8438	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8439	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8440	D1H81034A042	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8441	D1H81034A042	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8443	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8445	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8447	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8448	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8452	D0GA223JA023	M 22K OHM, J, 1/16W	1	PAVCCZ
		R8453	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8454	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8455	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8456	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8457	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8458	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8459	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8460	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8461	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8462	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8463	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8464	D0GA223JA023	M 22K OHM, J, 1/16W	1	PAVCCZ
		R8601	D1BA75R0A023	M 75 OHM, F, 1/16W	1	PAVCCZ
		R8602	D1BA75R0A023	M 75 OHM, F, 1/16W	1	PAVCCZ
		R8603	D1BA75R0A023	M 75 OHM, F, 1/16W	1	PAVCCZ
		R8604	D1BA75R0A023	M 75 OHM, F, 1/16W	1	PAVCCZ
		R8606	D1BA6200A023	M 620 OHM, F, 1/16W	1	PAVCCZ
		R8609	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8610	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8613	D0GA104JA039	M 100K OHM, J, 1/16W	1	PAVCCZ
		R8614	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8615	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8616	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8619	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8622	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8624	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8625	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8626	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8627	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8628	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8629	D0GA470JA023	M 47 OHM, J, 1/16W	1	PAVCCZ
		R8630	D1H81034A042	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8631	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8637	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R8638	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R8639	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8640	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8643	D0GA272JA023	M 2K7 OHM, J, 1/16W	1	PAVCCZ
		R8648	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8650	D0GA472JA023	M 4K7 OHM, J, 1/16W	1	PAVCCZ
		R8651	D0GA152JA023	M 1K5 OHM, J, 1/16W	1	PAVCCZ
		R8652	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8654	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8655	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8656	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8657	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8658	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8659	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8660	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8661	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8662	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8663	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8664	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ

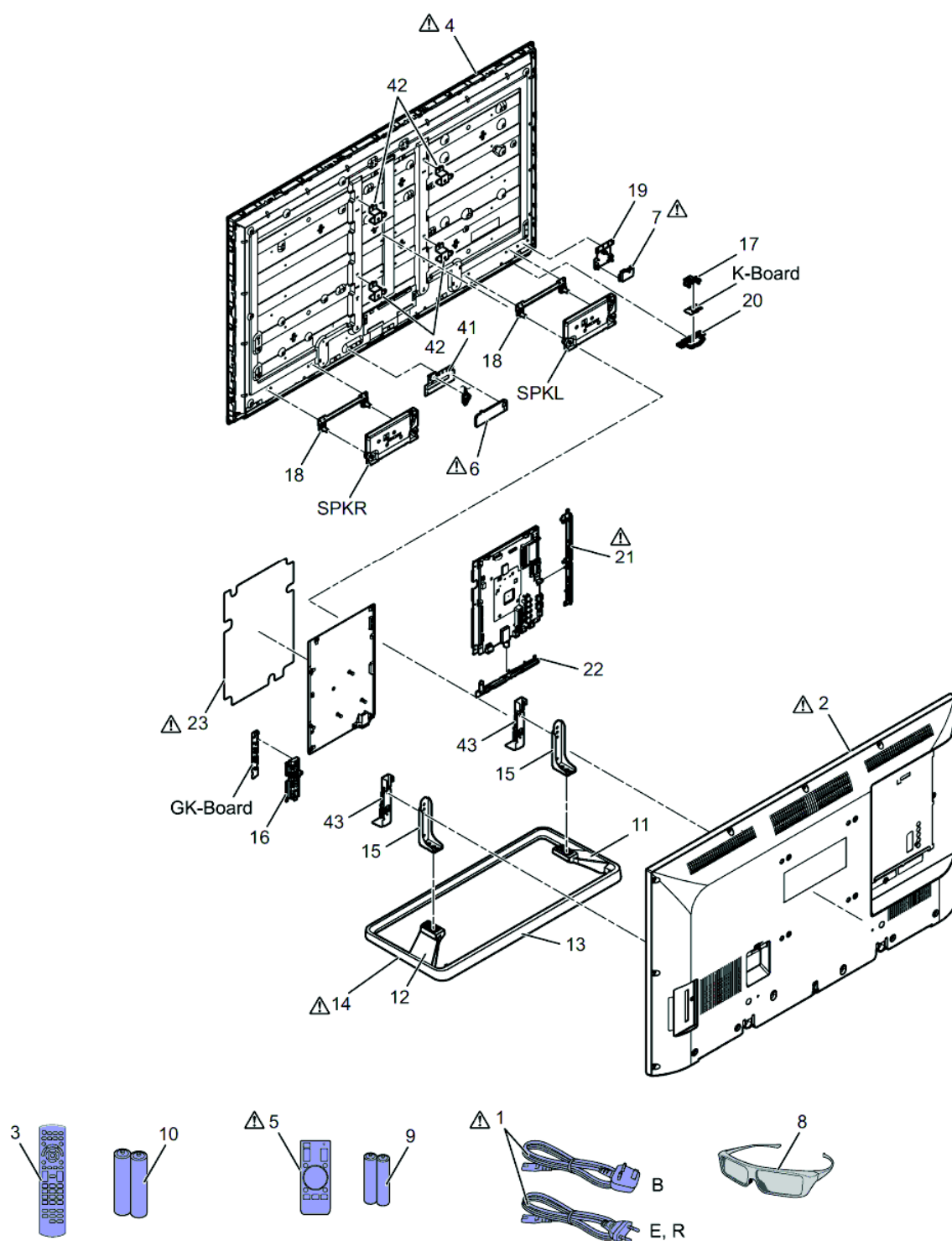
# Model No. : TX-40AS640B/E,R650 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8665	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8666	D0GA472JA023	M 4K7 OHM, J, 1/16W	1	PAVCCZ
		R8667	D1H8R0040016	M 0 OHM, -, -	1	PAVCCZ
		R8668	D0GA472JA023	M 4K7 OHM, J, 1/16W	1	PAVCCZ
		R8669	D0GBR00J0004	M 0 OHM, J, 1/10W	1	PAVCCZ
		R8670	D1BA2491A023	M 2K49 OHM, F, 1/16W	1	PAVCCZ
		R8675	D1H81034A042	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8678	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8680	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8681	D0GA472JA023	M 4K7 OHM, J, 1/16W	1	PAVCCZ
		R8683	D0GA472JA023	M 4K7 OHM, J, 1/16W	1	PAVCCZ
		R8684	D1BA2872A023	M 28K7 OHM, F, 1/16W	1	PAVCCZ
		R8693	D0GBR00J0004	M 0 OHM, J, 1/10W	1	PAVCCZ
		R8694	D1BA2872A023	M 28K7 OHM, F, 1/16W	1	PAVCCZ
		R8695	D1BA1652A023	M 16K5 OHM, F, 1/16W	1	PAVCCZ
		R8699	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8702	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8703	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8704	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8705	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8708	D0GF471JA048	M 470 OHM, J, 1/4W	1	PAVCCZ
		R8713	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8714	D0GBR00J0004	M 0 OHM, J, 1/10W	1	PAVCCZ
		R8715	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8718	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8719	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8720	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8731	D0GAR00J0005	M 0 OHM, J, 1/16W	1	PAVCCZ
		R8741	D0GA220JA023	M 22 OHM, J, 1/16W	1	PAVCCZ
		R8742	D0GA223JA023	M 22K OHM, J, 1/16W	1	PAVCCZ
		R8746	D1BA6802A023	M 68K OHM, F, 1/16W	1	PAVCCZ
		R8747	D1BA2102A023	M 21K OHM, F, 1/16W	1	PAVCCZ
		R8751	D1BB4301A074	M 4K3 OHM, D, 1/10W	1	PAVCCZ
		R8752	D1BB7870A143	M 787 OHM, F, 1/10W	1	PAVCCZ
		R8753	D1BA2402A023	M 24K OHM, F, 1/16W	1	PAVCCZ
		R8785	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8788	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R8802	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8803	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8804	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8805	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8806	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8807	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8808	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8809	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8811	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8812	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8813	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8814	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8820	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8821	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8822	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8831	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8832	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8851	D0GA473JA039	M 47K OHM, J, 1/16W	1	PAVCCZ
		R8854	D0GA102JA039	M 1K OHM, J, 1/16W	1	PAVCCZ
		R8859	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8901	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8903	D0GA472JA023	M 4K7 OHM, J, 1/16W	1	PAVCCZ
		R8910	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8911	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8912	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ

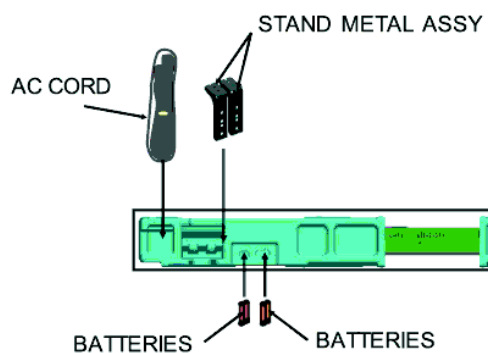
# Model No. : TX-40AS640B/E,R650 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8913	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8919	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R8920	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8921	D1H86804A042	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8922	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8923	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R8924	D0GA220JA023	M 22 OHM, J, 1/16W	1	PAVCCZ
		R8925	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		R9050	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R9051	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R9052	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R9053	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R9054	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R9057	D0GA680JA023	M 68 OHM, J, 1/16W	1	PAVCCZ
		R9058	D0GA103JA039	M 10K OHM, J, 1/16W	1	PAVCCZ
		RM2800	B3RBB0000018	IR RECEIVER	1	PAVCCZ
		SN2800	B3JB000000219	AI SENSOR IC	1	PAVCCZ
		SW2851	EVQ11G05R	LIGHT TOUCH SWITCH	1	PAVCCZ
		SW2852	EVQ11G05R	LIGHT TOUCH SWITCH	1	PAVCCZ
		SW2853	EVQ11G05R	LIGHT TOUCH SWITCH	1	PAVCCZ
		SW2854	EVQ11G05R	LIGHT TOUCH SWITCH	1	PAVCCZ
		SW2855	EVQ11G05R	LIGHT TOUCH SWITCH	1	PAVCCZ
		SW2857	EVQ11G05R	LIGHT TOUCH SWITCH	1	PAVCCZ
		T7201	G4DYA0000496	TRANSFORMER	1	PAVCCZ
		T7301	G4DYA0000566	TRANSFORMER	1	PAVCCZ
		T8601	G5BYC0000040	TRANSFORMER	1	PAVCCZ
		TU6705	J3ACAAC00012	TUNER A/DVB-T/T2/C	1	PAVCCZ
		X6800	H0J410500003	CRYSTAL 41MHZ	1	PAVCCZ
		X8300	H0J250500109	CRYSTAL 25MHZ	1	PAVCCZ
		X8600	H0J120500097	CRYSTAL	1	PAVCCZ
		ZA050	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA052	K4AD01D00011	TERMINAL	1	PAVCCZ
		ZA054	K4AD01D00011	TERMINAL	1	PAVCCZ
		ZA055	K4AD01D00011	TERMINAL	1	PAVCCZ
		ZA062	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA063	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA064	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA066	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA067	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA068	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA070	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA071	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA072	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA073	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA074	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA076	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA077	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA079	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA080	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA081	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA082	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA100	K4AD01D00008	TERMINAL	1	PAVCCZ
		ZA7101	K4AD01A00004	TERMINAL	1	PAVCCZ
		ZA7102	K4AD01A00004	TERMINAL	1	PAVCCZ
		ZA7103	K4AD01A00004	TERMINAL	1	PAVCCZ
		ZA7104	K4AD01A00004	TERMINAL	1	PAVCCZ
		ZA7106	K4AD01A00004	TERMINAL	1	PAVCCZ

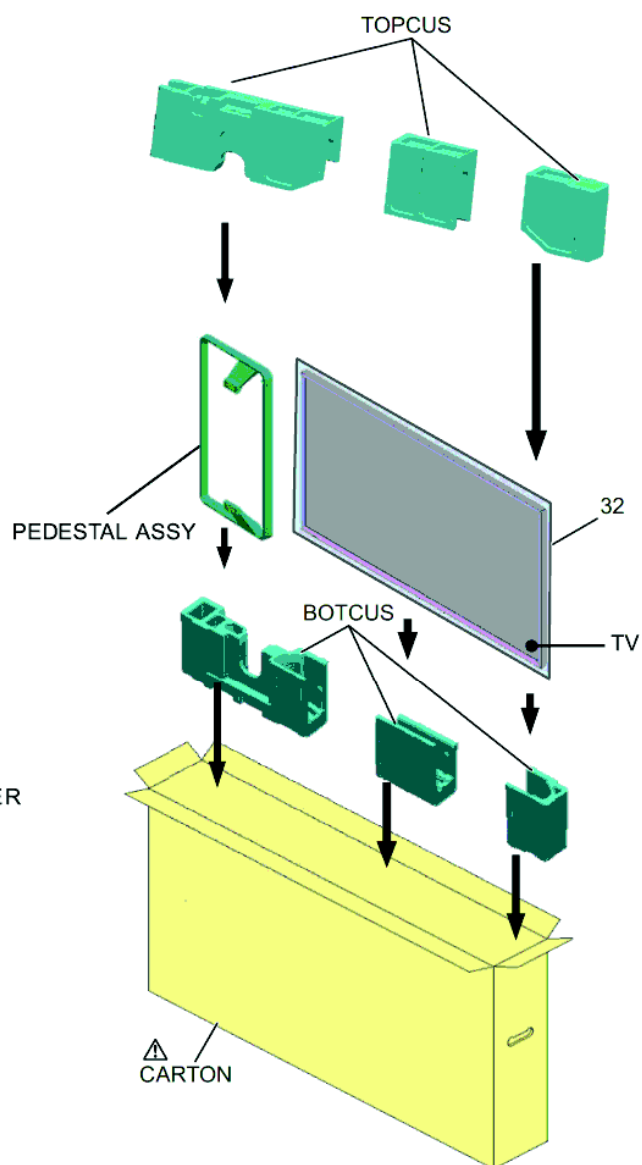
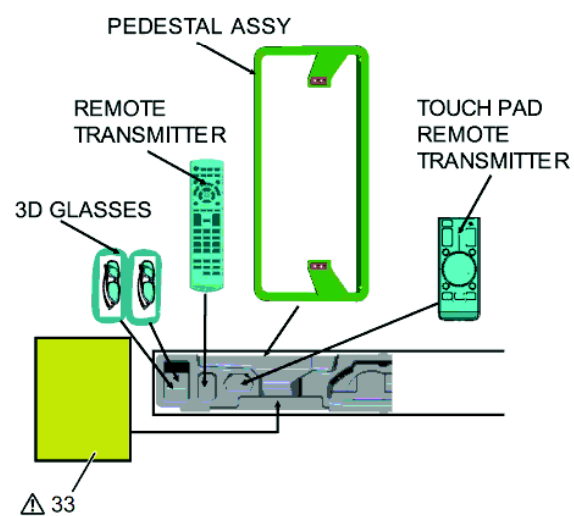
Model No. : TX-40AS640B/E,R650 Exploded View








CUSHION TOP LEFT  
TOP VIEW



CUSHION BOTTOM LEFT  
TOP VIEW



# Model No. : TX-40AS640B/E,R650 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		A02-P2	TXJA02JDVE	A02-P2 WIRE	1	PAVCCZ
		A10-K10/BT	TXJA10JDVE	A10-K10/BT WIRE	1	PAVCCZ
		A12-SPKL/SPKR	TXJA12JDVE	A12-SP WIRE	1	PAVCCZ
		A15-CN	TSCKF0170114	LVDS FFC (41PIN)	1	PAVCCZ
		A16-CN	TSCKF0170113	LVDS FFC (51PIN)	1	PAVCCZ
		1	K2CQ2YY00107	AC CORD	1	(TX-40AS640E,TX-40ASR650) PAVCCZ
		1	K2CT2YY00089	AC CORD (UK)	1	(TX-40AS640B) PAVCCZ
		2	TKU0EC00701	BACK COVER	1	PAVCCZ
		BOTCUS	TPD0E23101	CUSHION BOTTOM	1	(TX-40AS640B,TX-40AS640E) PAVCCZ
		BOTCUS	TPD0E23361	CUSHION BOTTOM	1	(TX-40ASR650) PAVCCZ
		CARTON	TPC0EA22001	CARTON	1	(TX-40AS640B,TX-40AS640E) PAVCCZ
		CARTON	TPC0EA22002	CARTON	1	(TX-40ASR650) PAVCCZ
		CK301	TMME442	SPACER HEATSINK HOLD	1	PAVCCZ
		CK302	TMME442	SPACER HEATSINK HOLD	1	PAVCCZ
		CK303	TMME442	SPACER HEATSINK HOLD	1	PAVCCZ
		CK304	TMME399	SPACER(P_PCB)	1	PAVCCZ
		CK305	TMME399	SPACER(P_PCB)	1	PAVCCZ
		CK306	TMME399	SPACER(P_PCB)	1	PAVCCZ
		CK307	TMME399	SPACER(P_PCB)	1	PAVCCZ
		FK101	TBL5ZG30301	RUBBER FOOT	1	(TX-40ASR650) PAVCCZ
		FK102	TBL5ZG30301	RUBBER FOOT	1	(TX-40ASR650) PAVCCZ
		FK103	TBL5ZG30341	RUBBER FOOT	1	(TX-40ASR650) PAVCCZ
		FK104	TBL5ZG30341	RUBBER FOOT	1	(TX-40ASR650) PAVCCZ
		FK201	TMK0EA449	FELT(890X10XT0.35)	1	PAVCCZ
		FK202	TMK0EA464	FELT(500X10XT0.35)	1	PAVCCZ
		FK203	TMK0EA464	FELT(500X10XT0.35)	1	PAVCCZ
		FK204	TMK0EA419	FELT(20X10XT0.45)	1	PAVCCZ
		FK205	TMK0EA427	FELT(130X10XT0.45)	1	PAVCCZ
		FK206	TMK0EA426	FELT(362X10XT0.45)	1	PAVCCZ
		FK207	TMK0EA465	FELT(220X10XT0.45)	1	PAVCCZ
		FK208	TMK0EA462	FELT(240X10XT0.45)	1	PAVCCZ
		FK209	TMK0EA155	FELT(10X160XT0.5)	1	PAVCCZ
		FK210	TMK0EA421	FELT(95X8XT0.45)	1	PAVCCZ
		FK211	TMK0EA421	FELT(95X8XT0.45)	1	PAVCCZ
		FK212	TMK0EA421	FELT(95X8XT0.45)	1	PAVCCZ
		FK213	TMK0EA496	FELT(40X10XT0.45)	1	PAVCCZ
		FK301	TMKK432	THERMAL CONDUCTIVE SHEET	1	PAVCCZ
		FK302	TMKK432	THERMAL CONDUCTIVE SHEET	1	PAVCCZ
		FK303	TMKK432	THERMAL CONDUCTIVE SHEET	1	PAVCCZ
		FK304	TMKK432	THERMAL CONDUCTIVE SHEET	1	PAVCCZ
		FK305	TMKK461	RUBBER(L20XW20XT1)	1	PAVCCZ
		FK306	TMKK438	HEAT RUBBER	1	PAVCCZ
		FK307	TMK0EA421	FELT(95X8XT0.45)	1	PAVCCZ
		FK308	TMK0EA419	FELT(20X10XT0.45)	1	PAVCCZ
		FK309	TMK0EA155	FELT(10X160XT0.5)	1	PAVCCZ
		FK310	TMK0EA419	FELT(20X10XT0.45)	1	PAVCCZ
		GK301	TEWB772	GASKET(T5XW10XL10)	1	PAVCCZ
		GK302	TEWB719	GASKET(10X100XT10)	1	PAVCCZ
		GK303	TEWB719	GASKET(10X100XT10)	1	PAVCCZ
		GK4-P5	TXJ/P5DMVE	P5-GK4 WIRE	1	PAVCCZ
		HS7800	TUC5ZJ51521	HEATSINK	1	PAVCCZ
		HS7801	TUC5ZJ51521	HEATSINK	1	PAVCCZ
		HS7802	TUC5ZJ51521	HEATSINK	1	PAVCCZ
		HS7803	TUC5ZJ51521	HEATSINK	1	PAVCCZ
		HS7804	TUC5ZJ51521	HEATSINK	1	PAVCCZ
		JK8605-WIFI	K1HY05YY0181	USB CABLE	1	PAVCCZ
		3	N2QAYB000829	REMOTE CONTROL	1	PAVCCZ
		SK101	THE52C008N	SCREW M5X12	1	(TX-40ASR650) PAVCCZ
		SK102	THE52C008N	SCREW M5X12	1	(TX-40ASR650) PAVCCZ

# Model No. : TX-40AS640B/E,R650 Parts List









Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		SK103	THE52C008N	SCREW M5X12	1	(TX-40ASR650) PAVCCZ
		SK104	THE52C008N	SCREW M5X12	1	(TX-40ASR650) PAVCCZ
		SK201	THTD037J	SCREW M3X10	1	PAVCCZ
		SK202	THTD037J	SCREW M3X10	1	PAVCCZ
		SK203	THTD037J	SCREW M3X10	1	PAVCCZ
		SK204	THTD037J	SCREW M3X10	1	PAVCCZ
		SK205	THTD037J	SCREW M3X10	1	PAVCCZ
		SK206	THTD037J	SCREW M3X10	1	PAVCCZ
		SK207	THTD037J	SCREW M3X10	1	PAVCCZ
		SK208	THTD037J	SCREW M3X10	1	PAVCCZ
		SK209	THTD037J	SCREW M3X10	1	PAVCCZ
		SK210	THTD037J	SCREW M3X10	1	PAVCCZ
		SK211	THTD037J	SCREW M3X10	1	PAVCCZ
		SK212	THTD037J	SCREW M3X10	1	PAVCCZ
		SK213	THTD037J	SCREW M3X10	1	PAVCCZ
		SK214	THTD037J	SCREW M3X10	1	PAVCCZ
		SK215	THTD037J	SCREW M3X10	1	PAVCCZ
		SK216	THEC1509	SCREW	1	PAVCCZ
		SK217	THEC1509	SCREW	1	PAVCCZ
		SK218	THEC1509	SCREW	1	PAVCCZ
		SK219	THEC1509	SCREW	1	PAVCCZ
		SK220	THEC1509	SCREW	1	PAVCCZ
		SK221	THEC1509	SCREW	1	PAVCCZ
		SK222	THEC1509	SCREW	1	PAVCCZ
		SK223	THEC1509	SCREW	1	PAVCCZ
		SK301	THEJ036J	SCREW	1	PAVCCZ
		SK302	THEJ036J	SCREW	1	PAVCCZ
		SK303	THEJ036J	SCREW	1	PAVCCZ
		SK304	THEJ036J	SCREW	1	PAVCCZ
		SK305	THEJ036J	SCREW	1	PAVCCZ
		SK306	THEJ036J	SCREW	1	PAVCCZ
		SK307	THEJ036J	SCREW	1	PAVCCZ
		SK308	THEJ036J	SCREW	1	PAVCCZ
		SK309	THEJ036J	SCREW	1	PAVCCZ
		SK310	THEJ036J	SCREW	1	PAVCCZ
		SK311	THEJ036J	SCREW	1	PAVCCZ
		SK312	THEC1509	SCREW	1	PAVCCZ
		SK313	THEC1509	SCREW	1	PAVCCZ
		SK314	THEC1509	SCREW	1	PAVCCZ
		SK315	THEC1509	SCREW	1	PAVCCZ
		SK316	THEC1509	SCREW	1	PAVCCZ
		SK317	THEC1509	SCREW	1	PAVCCZ
		SK318	THEC1509	SCREW	1	PAVCCZ
		SK319	THEJ036J	SCREW	1	PAVCCZ
		SK320	THEJ036J	SCREW	1	PAVCCZ
		SK321	THEJ036J	SCREW	1	PAVCCZ
		SK322	THEJ036J	SCREW	1	PAVCCZ
		SK323	THEJ036J	SCREW	1	PAVCCZ
		SK324	THEJ036J	SCREW	1	PAVCCZ
		SK325	THEJ036J	SCREW	1	PAVCCZ
		SK326	THEJ036J	SCREW	1	PAVCCZ
		SK327	THEJ036J	SCREW	1	PAVCCZ
		SK328	THEJ036J	SCREW	1	PAVCCZ
		SK329	THEJ036J	SCREW	1	PAVCCZ
		SK330	THEJ036J	SCREW	1	PAVCCZ
		SK331	THEJ036J	SCREW	1	PAVCCZ
		SK332	THEJ036J	SCREW	1	PAVCCZ
		SK333	THEJ036J	SCREW	1	PAVCCZ
		SK334	THEJ036J	SCREW	1	PAVCCZ
		SK335	THEJ036J	SCREW	1	PAVCCZ
		SK336	THEJ036J	SCREW	1	PAVCCZ
		SP01	XYN3+C6FJ	SCREW	1	PAVCCZ



# Model No. : TX-40AS640B/E,R650 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		SP02	XYN3+C6FJ	SCREW	1	PAVCCZ
		SP03	XYN3+C6FJ	SCREW	1	PAVCCZ
		SP05	XYN3+C6FJ	SCREW	1	PAVCCZ
		SP06	XYN3+C6FJ	SCREW	1	PAVCCZ
		SPKL	L0EYAA000056	SPEAKER	1	PAVCCZ
		SPKR	L0EYAA000056	SPEAKER	1	PAVCCZ
		TOPCUS	TPD0E13091	CUSHION TOP	1	(TX-40AS640B,TX-40AS640E) PAVCCZ
		TOPCUS	TPD0E13351	CUSHION TOP	1	(TX-40ASR650) PAVCCZ
			BAT-C-0829	BATTERY COVER OF RC	1	PAVCCZ
	⚠	4	L5EDDY00634	LCD PANEL	1	PAVCCZ
	⚠	5	N2QBYA000004	TOUCH PAD REMOTE CONTROL	1	(TX-40AS640B,TX-40AS640E) PAVCCZ
	⚠	6	N5HBZ0000109	WIFI DONGLE	1	PAVCCZ
	⚠	7	N5HZZ0000130	BLUETOOTH DONGLE	1	PAVCCZ
		8	N5ZZ00000334	3D GLASSES	1	(TX-40AS640B) PAVCCZ
		9	R03UE/2SA	BATTERY	2	(TX-40AS640B,TX-40AS640E) PAVCCZ
		10	R6DB/2P	BATTERY	2	PAVCCZ
		13	TBL5ZA35131	METAL FRAME	1	(TX-40ASR650) PAVCCZ
		11	TBL5ZA35141	NECK BASE L	1	(TX-40ASR650) PAVCCZ
		12	TBL5ZA35151	NECK BASE R	1	(TX-40ASR650) PAVCCZ
			TBL5ZB33601	METAL FRAME SHEET L	1	(TX-40ASR650) PAVCCZ
			TBL5ZB33821	METAL FRAME SHEET R	1	(TX-40ASR650) PAVCCZ
	⚠	14	TBL5ZX08221	PEDESTAL ASSY	1	(TX-40AS640B,TX-40AS640E) PAVCCZ
		15	TBL5ZX08911	STAND METAL ASSY	1	PAVCCZ
	⚠		TBM0EC1701	MODEL LABEL	1	(TX-40AS640E) PAVCCZ
	⚠		TBM0EC2831	MODEL LABEL	1	(TX-40AS640B) PAVCCZ
	⚠		TBM0EC2841	MODEL LABEL	1	(TX-40ASR650) PAVCCZ
			TBM0EU0221	REAR AV LABEL	1	PAVCCZ
	⚠		TBM0EU0232	SIDE AV LABEL	1	PAVCCZ
			TBM0EU0241	KEY BUTTON SHEET	1	PAVCCZ
			TBM4GU113	COVER LABEL	1	PAVCCZ
		16	TBX0E87900	KEY BUTTON BRACKET	1	PAVCCZ
			TEWF411	AL-PET TAPE (W10XL120)	2	PAVCCZ
			THE5ZL002N	SCREW (PEDESTAL)	4	PAVCCZ
		17	TKK5ZC50501A	LED PANEL	1	PAVCCZ
		18	TKP5ZA41401	SP BRACKET	2	PAVCCZ
		19	TKP5ZA41501	BLUETOOTH BRACKET	1	PAVCCZ
		20	TKP5ZA41701	LED PANEL CASE	1	PAVCCZ
	⚠	21	TKP5ZA42008	SIDE AV BRACKET	1	PAVCCZ
		22	TKP5ZA42201	BOTTOM AV BRACKET	1	PAVCCZ
	⚠	23	TMK5ZX086	BARRIER	1	PAVCCZ
		32	TPE0E4075	SET BAG	1	PAVCCZ
	⚠		TQB0E2398	PRODUCT FICHE	1	(TX-40AS640B) PAVCCZ
	⚠	33	TQB0E2398U	INSTRUCTION BOOK (ENGLISH)	1	(TX-40AS640B) PAVCCZ
	⚠		TQB0E2399	PRODUCT FICHE	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399A	INSTRUCTION BOOK (GERMAN)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399B	INSTRUCTION BOOK (DUTCH)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399C	INSTRUCTION BOOK (ITALIAN)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399D	INSTRUCTION BOOK (FRENCH)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399E	INSTRUCTION BOOK (SPANISH)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399F	INSTRUCTION BOOK (SWEDISH)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399G	INSTRUCTION BOOK (NORWEGIAN)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399H	INSTRUCTION BOOK (FINNISH)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399I	INSTRUCTION BOOK (LITHUANIAN)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399J	INSTRUCTION BOOK (PORTUGUESE)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399K	INSTRUCTION BOOK (DANISH)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399M	INSTRUCTION BOOK (BULGARIAN)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399N	INSTRUCTION BOOK (ROMANIAN)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399O	INSTRUCTION BOOK (LATVIAN)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399P	INSTRUCTION BOOK (POLISH)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399Q	INSTRUCTION BOOK (HUNGARIAN)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399R	INSTRUCTION BOOK (CZECH)	1	(TX-40AS640E) PAVCCZ
	⚠	33	TQB0E2399S	INSTRUCTION BOOK (GREEK)	1	(TX-40AS640E) PAVCCZ

# Model No. : TX-40AS640B/E,R650 Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		33	TQB0E2399T	INSTRUCTION BOOK (TURKISH)	1	(TX-40AS640E) PAVCCZ
		33	TQB0E2399U	INSTRUCTION BOOK (ENGLISH)	1	(TX-40AS640E) PAVCCZ
		33	TQB0E2399V	INSTRUCTION BOOK (CROATIAN)	1	(TX-40AS640E) PAVCCZ
		33	TQB0E2399W	INSTRUCTION BOOK (SLOVAKIAN)	1	(TX-40AS640E) PAVCCZ
		33	TQB0E2399Z	INSTRUCTION BOOK (ESTONIAN)	1	(TX-40AS640E) PAVCCZ
		33	TQB0E24839	INSTRUCTION BOOK (KAZAKHSTAN)	1	(TX-40ASR650) PAVCCZ
		33	TQB0E2483L	INSTRUCTION BOOK (RUSSIAN)	1	(TX-40ASR650) PAVCCZ
		33	TQB0E2483Y	INSTRUCTION BOOK (UKRAINIAN)	1	(TX-40ASR650) PAVCCZ
			TQF0EA635	ENERGY LABEL	1	(TX-40AS640B, TX-40AS640E) PAVCCZ
			TUC4GJ5058	HEATSINK	4	PAVCCZ
			TUC5ZJ51101	HEATSINK BOTTOM	1	PAVCCZ
			TUC5ZJ51441	HEATSINK TOP	1	PAVCCZ
		41	TUX5ZX0361	WIFI METAL	1	PAVCCZ
		42	TUX5ZX0371	VESA METAL	4	PAVCCZ
		43	TUX5ZX0391	BOTTOM METAL	2	PAVCCZ
			XSS5+15FNK	SCREW	4	PAVCCZ