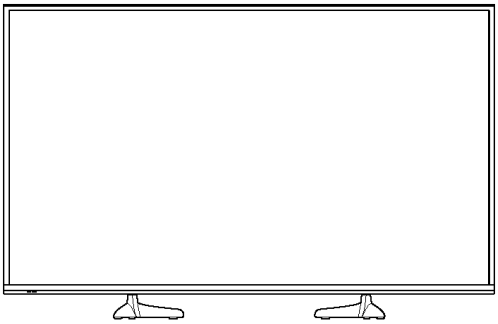
ORDER NO. MTV1612095CE

Service Manual

LED TV



Model No. TH-49DX650R

Chassis: KM30

Destination: R : Iran

⚠ WARNING

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

IMPORTANT SAFETY NOTICE

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

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1 Safety Precautions

1.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.
4. When conducting repairs and servicing, do not attempt to modify the equipment, its parts or its materials.
5. When wiring units (with cables, flexible cables or lead wires) are supplied as repair parts and only one wire or some of the wires have been broken or disconnected, do not attempt to repair or re-wire the units. Replace the entire wiring unit instead.
6. When conducting repairs and servicing, do not twist the Faston connectors but plug them straight in or unplug them straight out.

1.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be 8.5Mohm to 13Mohm.
   When the exposed metal does not have a return path to the chassis, the reading must be ∞.

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

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5kohm, 10 watts resistor, in parallel with a 0.15μF capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

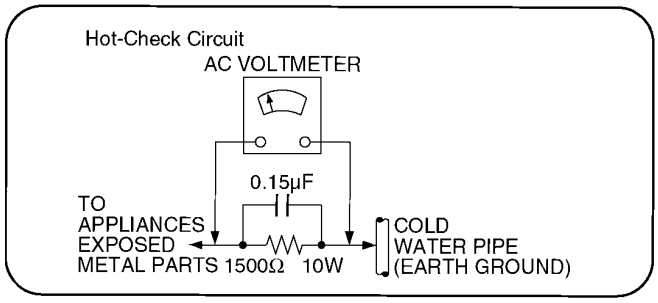


Figure 1

2 Warning

2.1. Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

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

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

   Caution

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

2.2. About lead free solder (PbF)

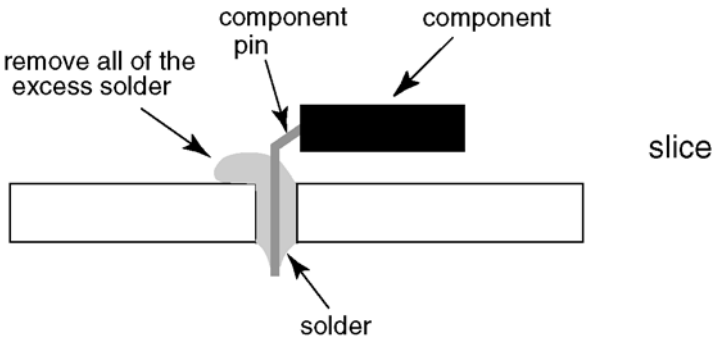
Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although 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.

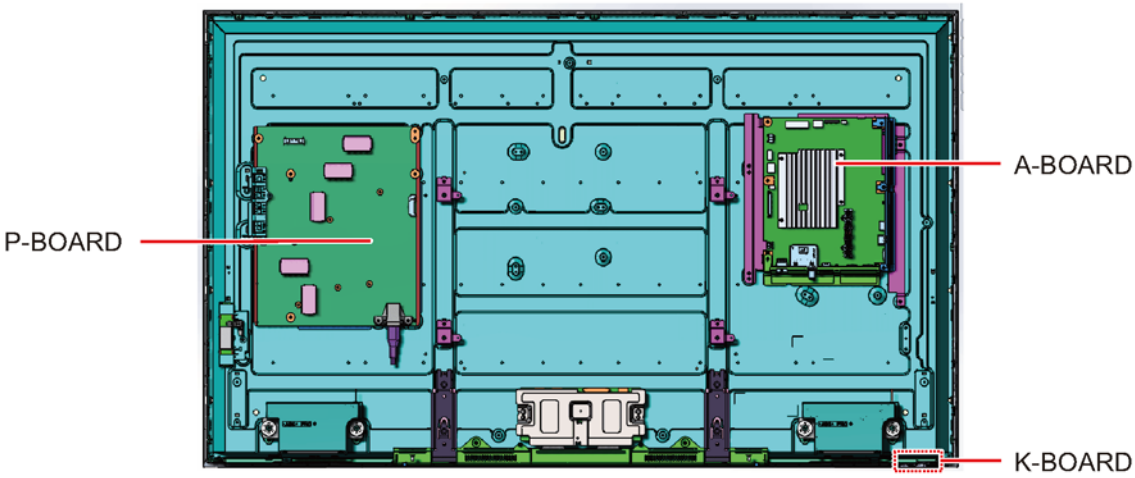
Caution

- 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)



3 Service Navigation

3.1. Service Hint



Board Name	Main Device	Remarks
A BOARD	Main(MTK IC)	Repairable
P BOARD	Power Supply, Switch	Repairable
K BOARD	LED/ RM/ CATS	Repairable

4 Specifications

Dimensions (W × H × D)	1 106 mm × 699 mm × 364 mm (With Pedestal) 1 106 mm × 646 mm × 81 mm (TV only)
Mass	16.0 kg Net (With Pedestal) 14.0 kg Net (TV only)
Power source	AC 220-240 V, 50 / 60 Hz
Rated power consumption	124 W
Standby power consumption	0.50 W
Visible screen size (diagonal)	123 cm
Display resolution	3 840 (W) × 2 160 (H)
Panel	LED backlight Liquid Crystal Display
Speaker output	20 W (10 W + 10 W)
Connection terminals	
AV IN (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_B/C_B, P_R/C_R** ±0.35 V[p-p]
HDMI 1 / 2 / 3 input	TYPE A Connectors HDMI1 / 3: 4K, Content Type, Deep Colour, x.v.Colour™ HDMI2: 4K, Content Type, Audio Return Channel, Deep Colour, x.v.Colour™ • This TV supports 'HDAVI Control 5' function.
ETHERNET	10BASE-T / 100BASE-TX
USB 1 / 2	USB1: DC 5 V, Max. 500 mA [Hi-Speed USB (USB 2.0)] USB2: DC 5 V, Max. 900 mA [SuperSpeed USB (USB 3.0)]
DIGITAL AUDIO OUT	PCM / Dolby Digital / Fibre optic

Receiving systems / Band name

17 SYSTEMS	FUNCTION
1 PAL B, G, H 2 PAL I 3 PAL D, K 4 SECAM B, G 5 SECAM D, K 6 SECAM K1 7 NTSC M (NTSC 3.58 / 4.5 MHz)	Reception of broadcast transmissions and Playback from Video Cassette Tape Recorders
8 NTSC 4.43 / 5.5 MHz 9 NTSC 4.43 / 6.0 MHz 10 NTSC 4.43 / 6.5 MHz 11 NTSC 3.58 / 5.5 MHz 12 NTSC 3.58 / 6.0 MHz 13 NTSC 3.58 / 6.5 MHz 14 SECAM I	Playback from Special VCR's or DVD
15 PAL 60 Hz / 5.5 MHz 16 PAL 60 Hz / 6.0 MHz 17 PAL 60 Hz / 6.5 MHz	Playback from Special Disc Players and Special VCR's or DVD

Digital TV	7 MHz VHF / 8 MHz UHF free-to-air TV broadcast reception
Receiving channels (Analogue TV)	
VHF BAND	2 - 12 (PAL / SECAM B, K1) 0 - 12 (PAL B AUST.) 1 - 9 (PAL B N.Z.) 1 - 12 (PAL / SECAM D) 1 - 12 (NTSC M Japan) 2 - 13 (NTSC M USA)
UHF BAND	21 - 69 (PAL G, H, I / SECAM G, K, K1) 28 - 69 (PAL B AUST.) 13 - 57 (PAL D, K) 13 - 62 (NTSC M Japan) 14 - 69 (NTSC M USA)
CATV	S1 - S20 (OSCAR) 1 - 125 (USA CATV) C13 - C49 (JAPAN) S21 - S41 (HYPER) Z1 - Z37 (CHINA) 5A, 9A (AUST.)
Aerial input	VHF / UHF

Operating Conditions	**Temperature :** 0°C - 40°C **Humidity :** 20 % - 80 % RH (non-condensing)
Built-in wireless LAN	**Standard compliance and Frequency range*** IEEE802.11a/n 5.15 GHz -5.35 GHz, 5.47 GHz -5.85 GHz IEEE802.11b/g/n 2.400 GHz -2.4835 GHz **Security** WPA2-PSK (TKIP/AES) WPA-PSK (TKIP/AES) WEP (64 bit/128 bit)

*: The frequency and channel differ depending on the country.

Note

- Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.
- For information about the open source software, refer to [eHELP] (Support > Licence).

5 CS Maintenance Menu

5.1. How to enter into CS Maintenance Menu

5.1.1. 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:

CS Maintenance Menu can not be entered when 3D signal input.
Input 2D signal to enter CS Maintenance Menu.

CS Maintenance Menu	
OPT	
EDID CLK	
DRV CHECK	
WB-ADJ	

5.1.2. Key command

Press the Cursor key [Up/Down] on the remote control to select the functions.

5.1.3. How to exit

Press the [EXIT] button on the remote control.

5.2. Repack

1. Select [OPT] in CS Maintenance Menu.
2. Press [OK] button or Cursor key [Right] on the remote control.

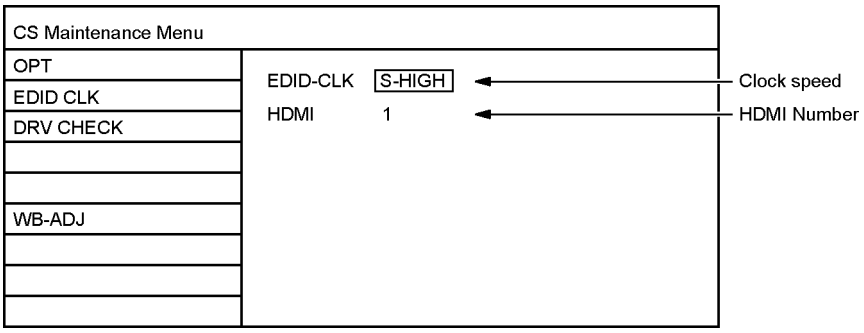
CS Maintenance Menu			
OPT		7 6 5 4 3 2 1 0	
EDID CLK	OPT1	0 0 0 $\boxed{0}$ 0 1 0 1	row : OPT1
DRV CHECK	OPT2	1 1 1 0 1 1 1 0	column : 4
	OPT3	0 0 0 0 0 0 0 1	0 : Automatic (Default)
	OPT4	0 0 0 0 0 0 1 0	1 : Manual
WB-ADJ			

Exit:

Press the [Exit] button or the [Return] button on the remote control.

5.3. EDID Clock

1. Select [EDID CLK] in CS Maintenance Menu.
2. Press [OK] button or Cursor key [Right] on the remote control.

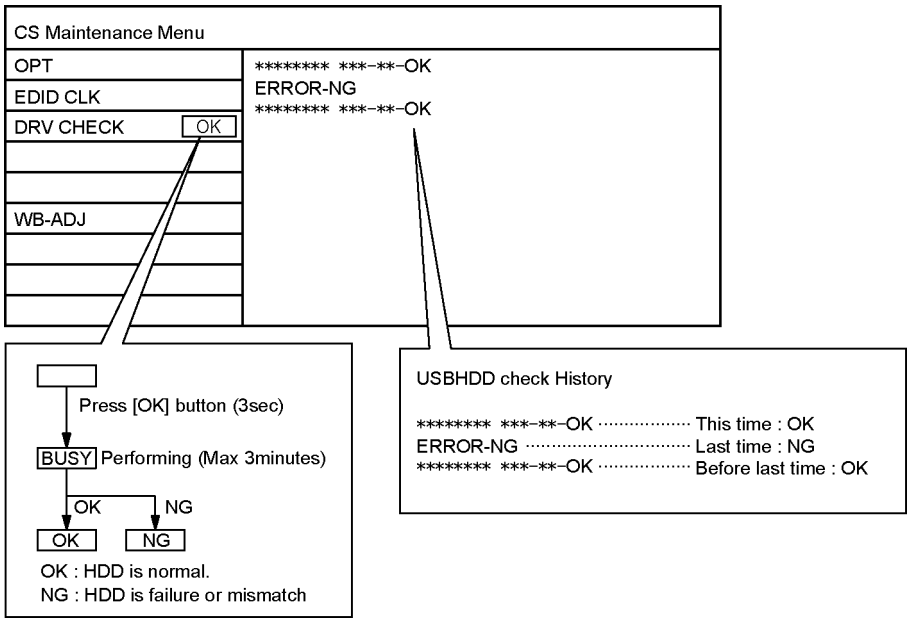


Exit:

Press the [Exit] button or the [Return] button on the remote control.

5.4. USB HDD Drive Check

1. Select [DRV CHECK] in CS Maintenance Menu.
2. Press [OK] button or Cursor key [Right] on the remote control.



Exit:

Press the [Return] button on the remote control.

5.5. White Balance Adjustment

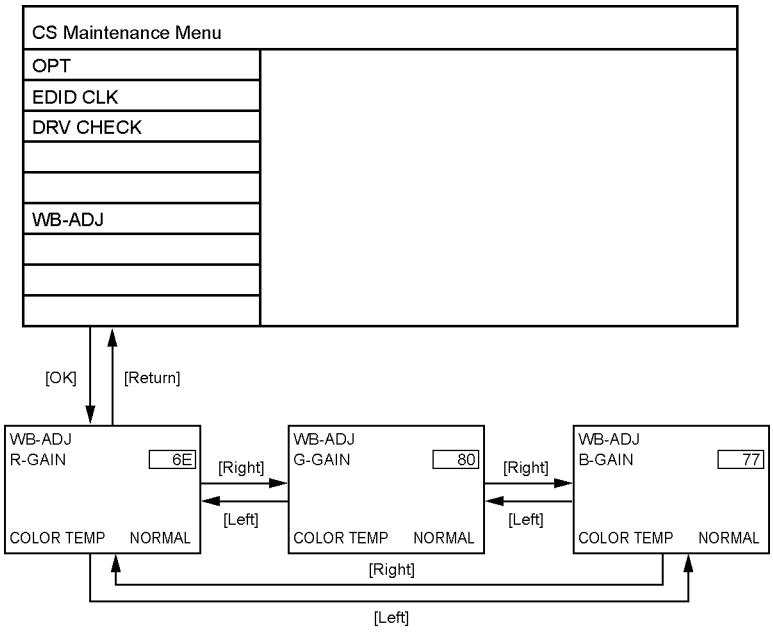
After LCD PANEL or A-Board is replaced and repaired, perform [White balance adjustment] in case of necessity for test / check ([White balance adjustment] is not required basically).

1. Select [W/B ADJ] in CS Maintenance Menu.
2. Press [OK] button on the remote control.

   Note for performing [White balance adjustment]

   Make a note for the setting values before changing if the settings of [R-GAIN], [B-GAIN] and [G-GAIN] in [WB-ADJ] will be changed.
3. Press the cursor key [Up/Down] on the remote control to change the data value, and press [OK] button on the remote control to store the value for this model.

• COLOR TEMP : Press the [Option] button of the remote control to change the color temperature. (COOL/NORMAL/WARM/ TUNNIG)



Exit:

Press the [Return] button on the remote control.

5.6. System Information

5.6.1. How to access

1. While pressing [MENU] button on the remote control.
2. To select [? Help] and then to select [System Information].

Example:

System Information			
SW version	3001-10000-abcde	3001 10000 abcde	Peaks SW GenX Main GenX Sub (optional)
Status1	0c 8801-0003 0080-0000	0c 8801-0003 0080-0000	Outer model ID Inner model ID Panel inch size
Status2	0008-008-000fac	0008 008 000fac	LSI Package LSI Release Model data version
Status3	00-000000-F000	00 00 00 00 F000	Number of bad block in NAND Flash (dec) Peaks reboot counter System crash counter Emergency (SOS) counter Peaks NAND Maker ID
Status4	A00000-0000003-00000	A 00000 0000003 00000	Power-On period (A <= 100hrs, B <= 200hrs, C > 200hrs) Total Power-On time (dec, max is 65535) Power-On timer (dec, max is 1048575) Fixed (always)
Status5	00000-10000 15e010ff	0 0 0 0 0 1 0000 15e010ff	SOS history (latest) SOS history (last time) SOS history (last but one) SOS history (2nd time after shipping) SOS history (1st time after shipping) Self-check _0-never selfcheck 1-production selfcheck by "FF" or USCM 2-user selfcheck by pressing "OK" Fixed (always) Panel ID
Status6	01010010-1000009	01010010 1000009	Peaks EEPROM version STM EEPROM version
Status7	00000-0741	00000 0741	STM ROMCOR version AJAX_CE version
HDAVI Control	5		VIERA Link version is displayed

Note:
Latest software version may differ from figure shown above.

5.6.2. How to exit

Press the [RETURN] button on the remote control.

5.7. Hotel mode

5.7.1. Purpose

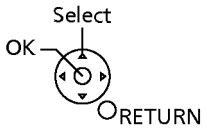
Restrict a function for hotels.

5.7.2. 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.
Example:

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



Note:
Latest software version may differ from figure shown above.

5.7.3. 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.

5.7.4. Explain the Hotel mode setup menu

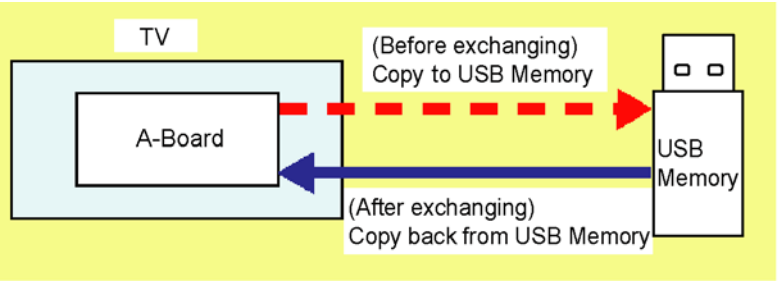
Item	Function
Hotel Mode	Select hotel mode On/Off
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off, Analogue TV, Digital TV, AV, HDMI1, HDMI2, HDMI3 • Off: give priority to a last memory.
Initial POS	Select programme number. Selection : Off/0 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

5.8. Data Copy by USB Memory

Note:
SD card can not be used for Data Copy.

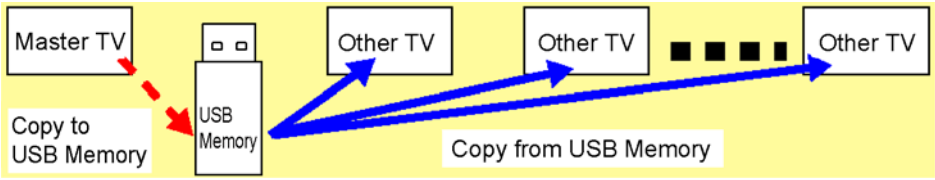
5.8.1. Purpose

(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.



Following data can be copied.
User setting data
(incl. Hotel mode setting data)
Channel scan data
Adjustment and factory preset data

(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.



Following data can be copied.
User setting data
(incl. Hotel mode setting data)
Channel scan data

5.8.2. 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

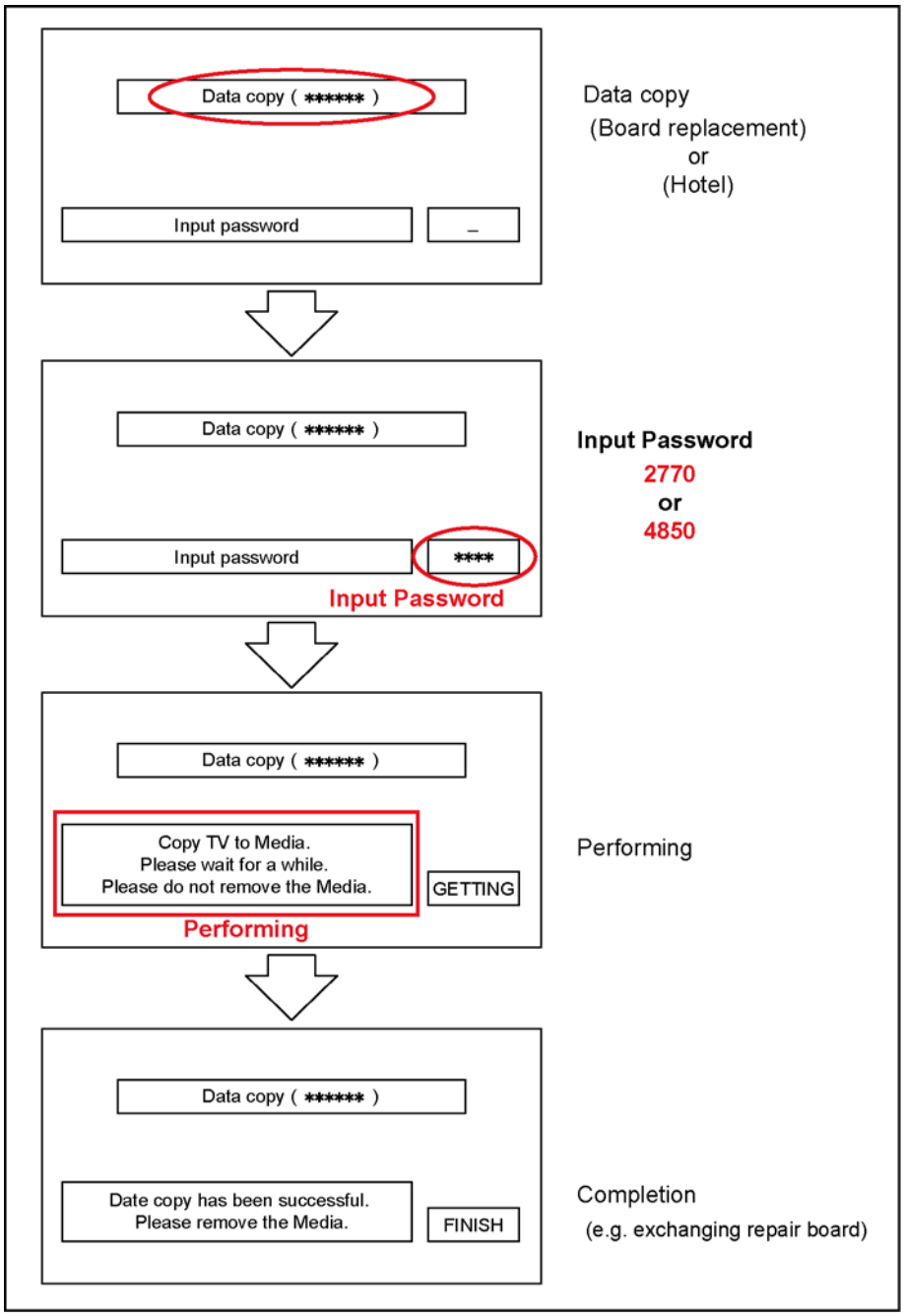
Note:
Please make only one file to prevent the operation error.
No any other file should not be in USB Memory.

5.8.3. 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

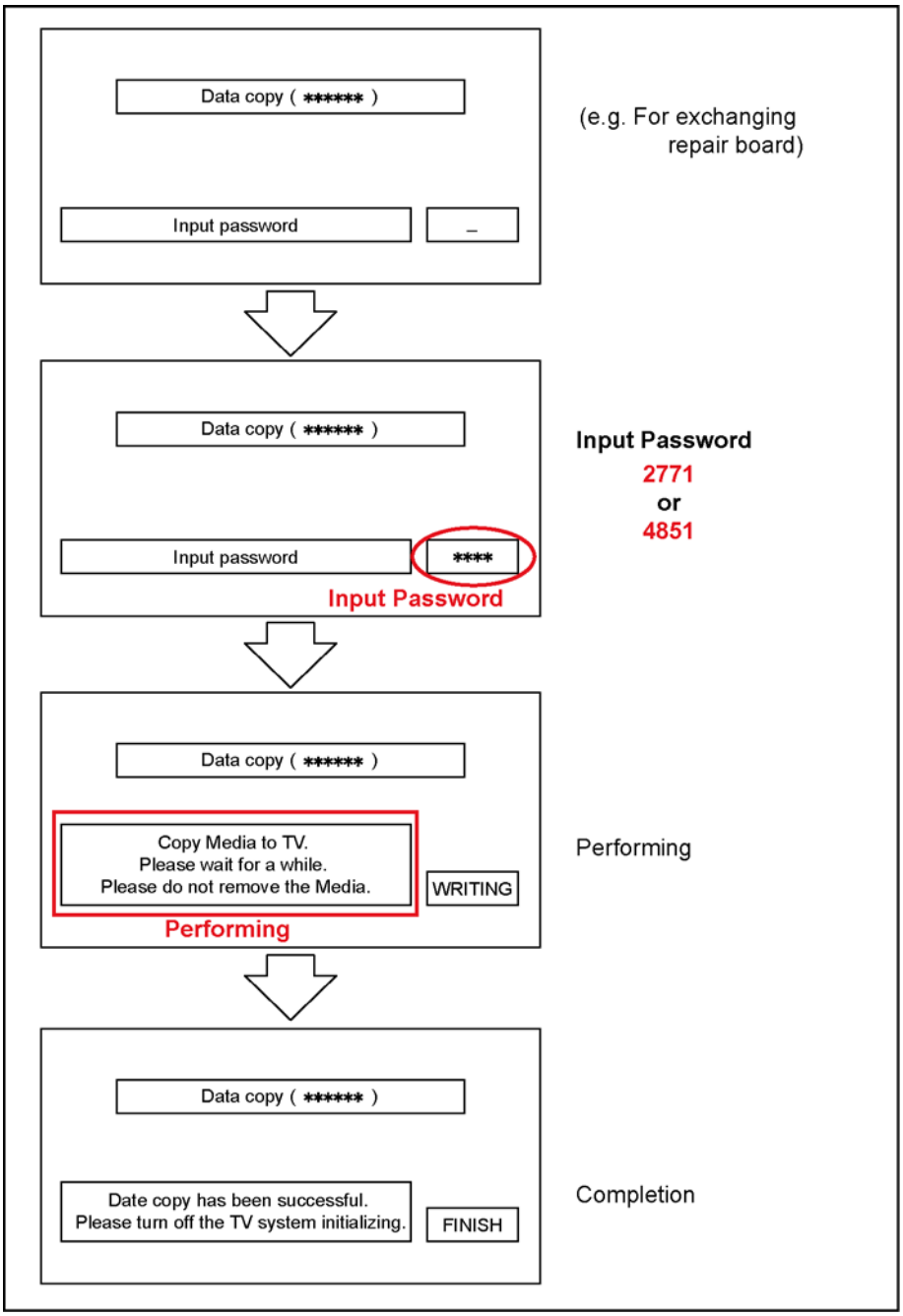


5.8.4. Data copy from USB Memory to TV set

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.



6 Troubleshooting Guide

Use the self-check function to test the unit.

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

6.1. Check of the IIC bus lines

6.1.1. How to access

6.1.1.1. Self-check indication only:

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

6.1.1.2. 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.

6.1.2. Screen display

Example

```
49
                    SELF CHECK COMPLETE

H14TUN      OK    PEAKS-SOFT        *. ***
H38FRC      OK    PEAKS-EEP      **. **. ****
H17LAN      OK    LSI-PACKAGE       *. ***
H96ID       OK    LSI-RELEASE        *. **
H97ID2      OK    STBY-SOFT       *. **. **
H42WiFi     OK    STBY-EEP      *. **. ****
                  FRC SOFT        ********
                  FRC DATA        ********

                                MODEL ID        **
                                            ********
                                            ********
```

6.1.3. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Check Ref. No.	Description	Check Point
H14TUN	IC6950	TUNER	A-BOARD
H38FRC		FRC	LCD PANEL
H17LAN		ETHERNET	A-BOARD / LAN
H96ID		ID	A-BOARD
H97ID2		ID2	A-BOARD
H42WiFi		WiFi	A-BOARD / WiFi

6.1.4. 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.

6.2. 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
7	SUB 3.3V / 1.0V	P-Board A-Board
9	SOUND SOS	A-Board Speaker
10	FRC/NVT SOS	A-Board
13	EMERGENCY SOS	A-Board

6.3. 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 [YELLOW] 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.

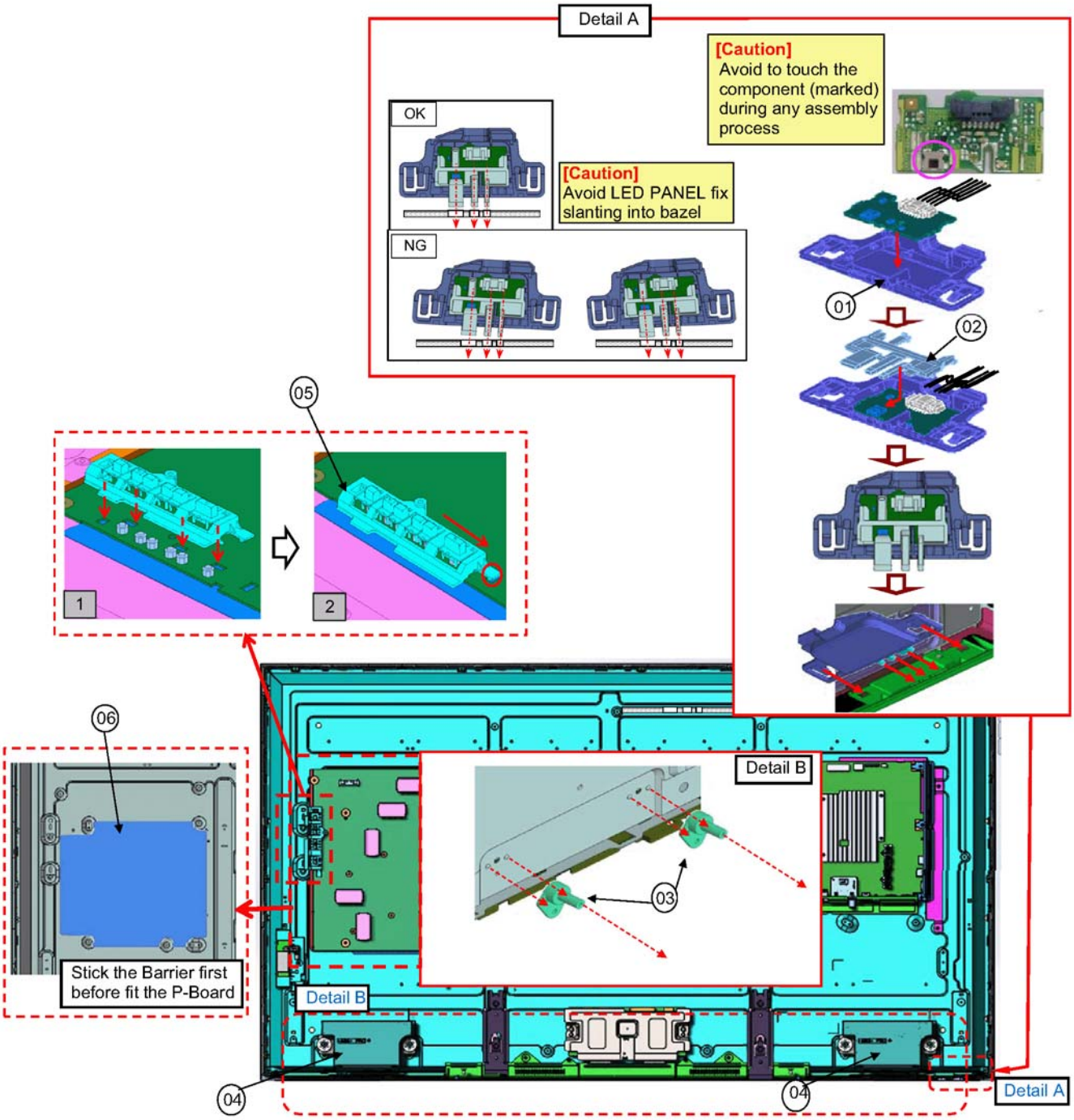
How to confirm:
If the abnormal picture is displayed, go into LCD Panel test mode to display the several test patterns.
And then, judge by the following method.
Still abnormal picture is displayed: The cause must be in LCD Panel.
Normal picture is displayed: The cause must be in A board.

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 Disassembly and Assembly Instructions

7.1. Key Button & LED Assembly

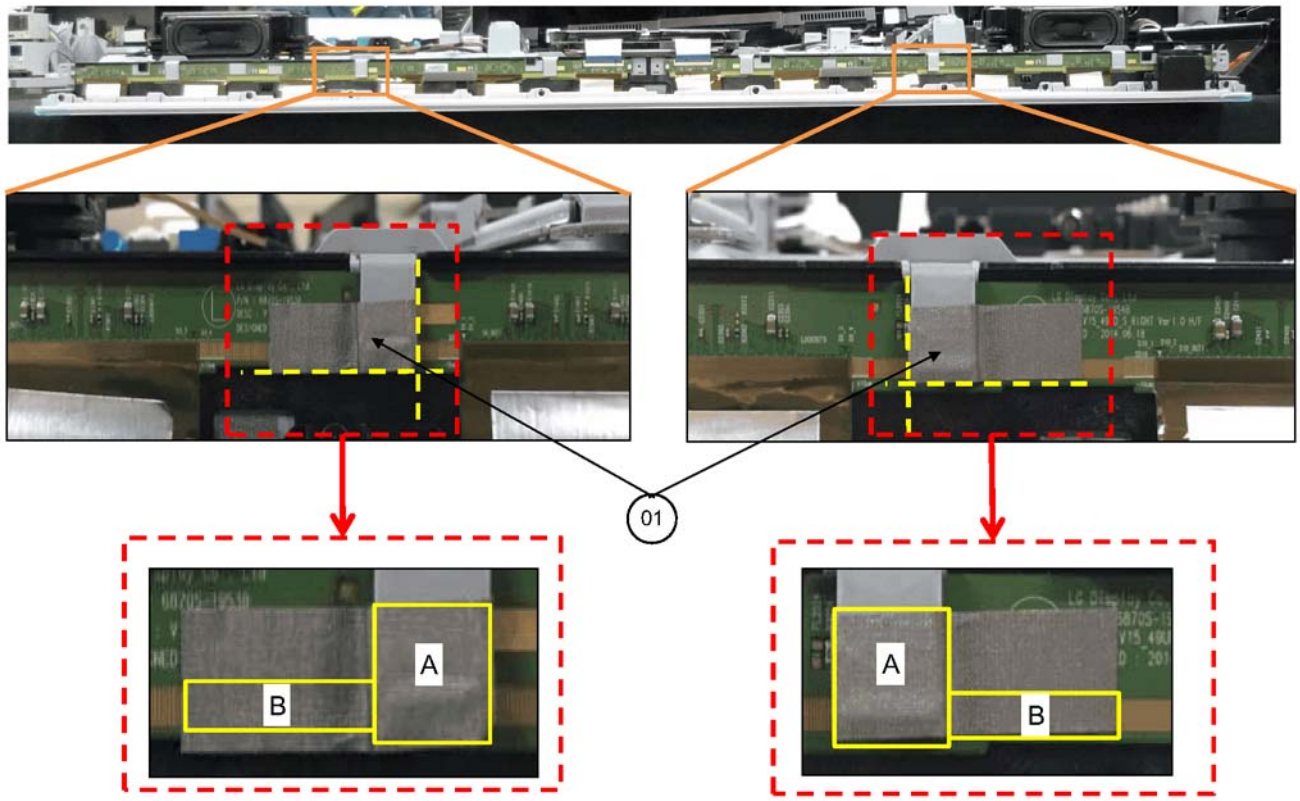
1. Fix SP BRACKET.
2. Install SP UNIT.
3. Fix KEY BUTTON BRACKET.
4. Stick the BARRIER.



No	Description	Qty	UOM	Remarks
01	LED PANEL CASE	1	PC	
02	LED PANEL	1	PC	
03	SP BRACKET	4	PC	
04	SPEAKER UNIT	2	PC	
05	KEY BUTTON BRACKET	1	PC	
06	BARRIER	1	PC	

7.2. Conductive Tape

1. Stick the Conductive Tape follow the step and position.



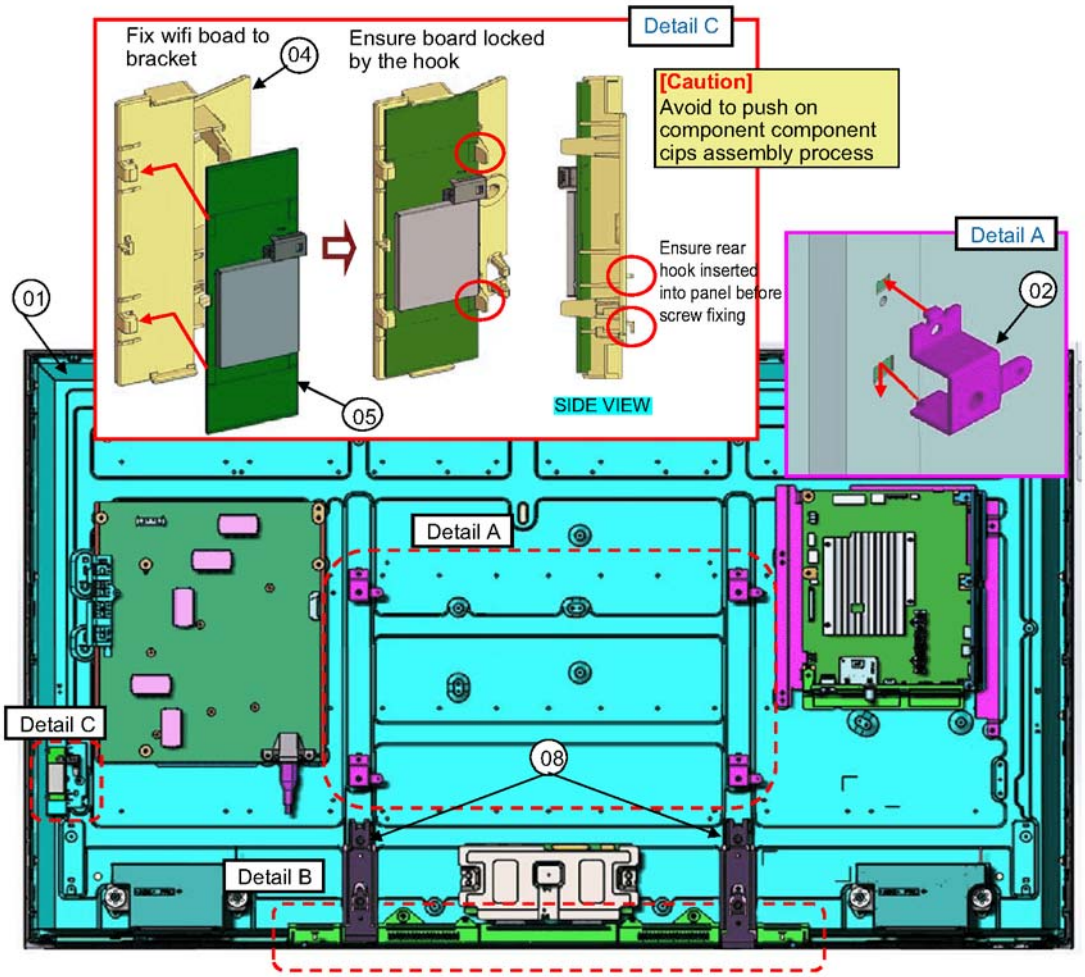
Area A：The Conductive - tape must touch to metal.

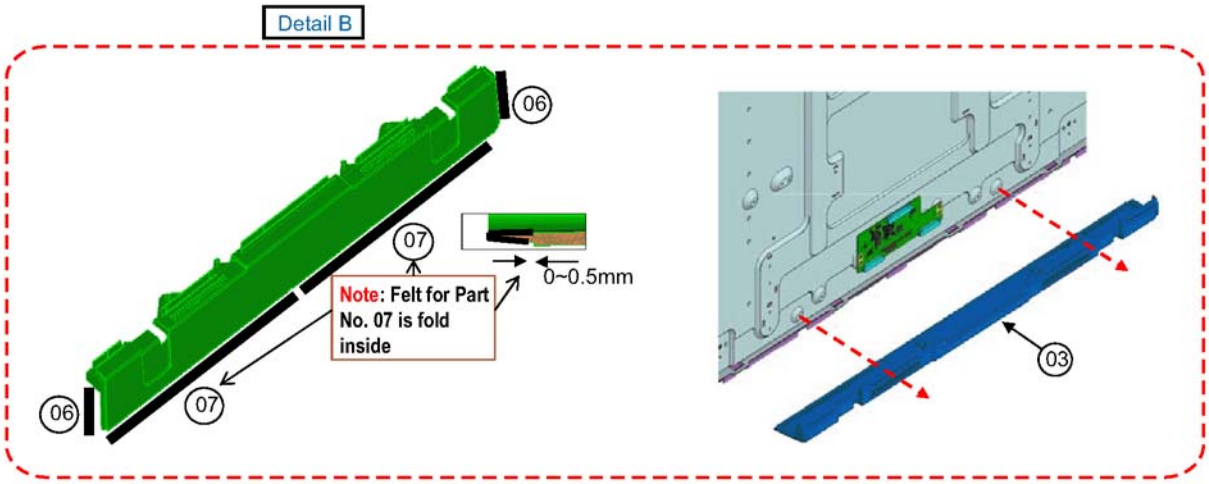
Area B：The Conductive - tape must touch to the ground pattern of source PCB.

No	Description	Qty	UOM	Remarks
01	CONDUCTIVE TAPE	2	PC	(T0.1+W10+L30)

7.3. VESA Metal & Btm Back Cover

1. Fix WIFI MODULE into WIFI BRACKET.
2. Stick FELT to BOTTOM BACK COVER.
3. Fix BOTTOM BACK COVER.
4. Instal VESA METAL.
5. Fix BOTTOM METAL L and RIGHT.



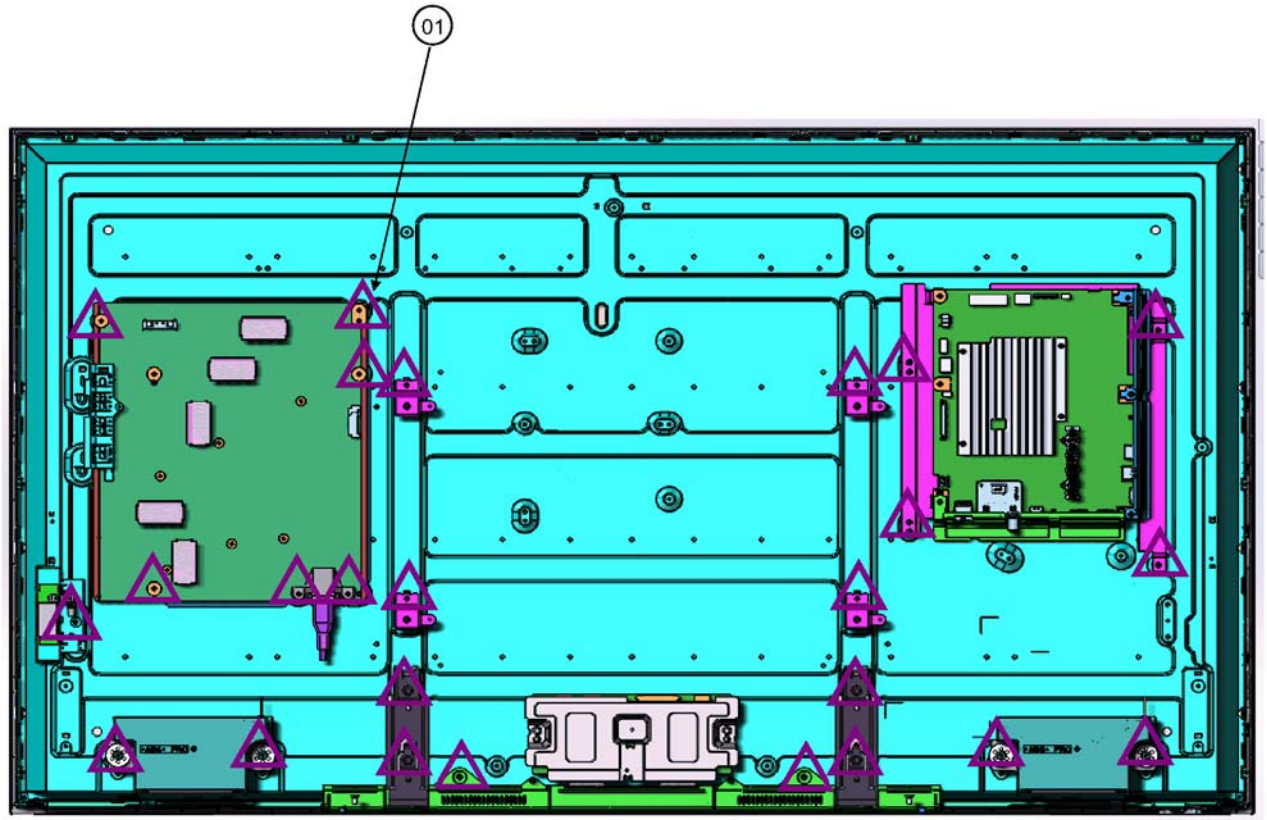


No	Description	Qty	UOM	Remarks
01	ASS'Y 49 IN-HOUSE PANEL	1	PC	
02	VESA METAL	4	PC	
03	BOTTOM BACK COVER	1	PC	
04	WIFI BRACKET	1	PC	
05	WIFI MOUDLE	1	PC	

No	Description	Qty	UOM	Remarks
06	FELT (W5 × L40 × T0.35)	2	PC	
07	FELT (W10 × L240 × T0.35)	2	PC	
08	BOTTOM METAL	2	PC	

7.4. Screw Installation (PANEL)

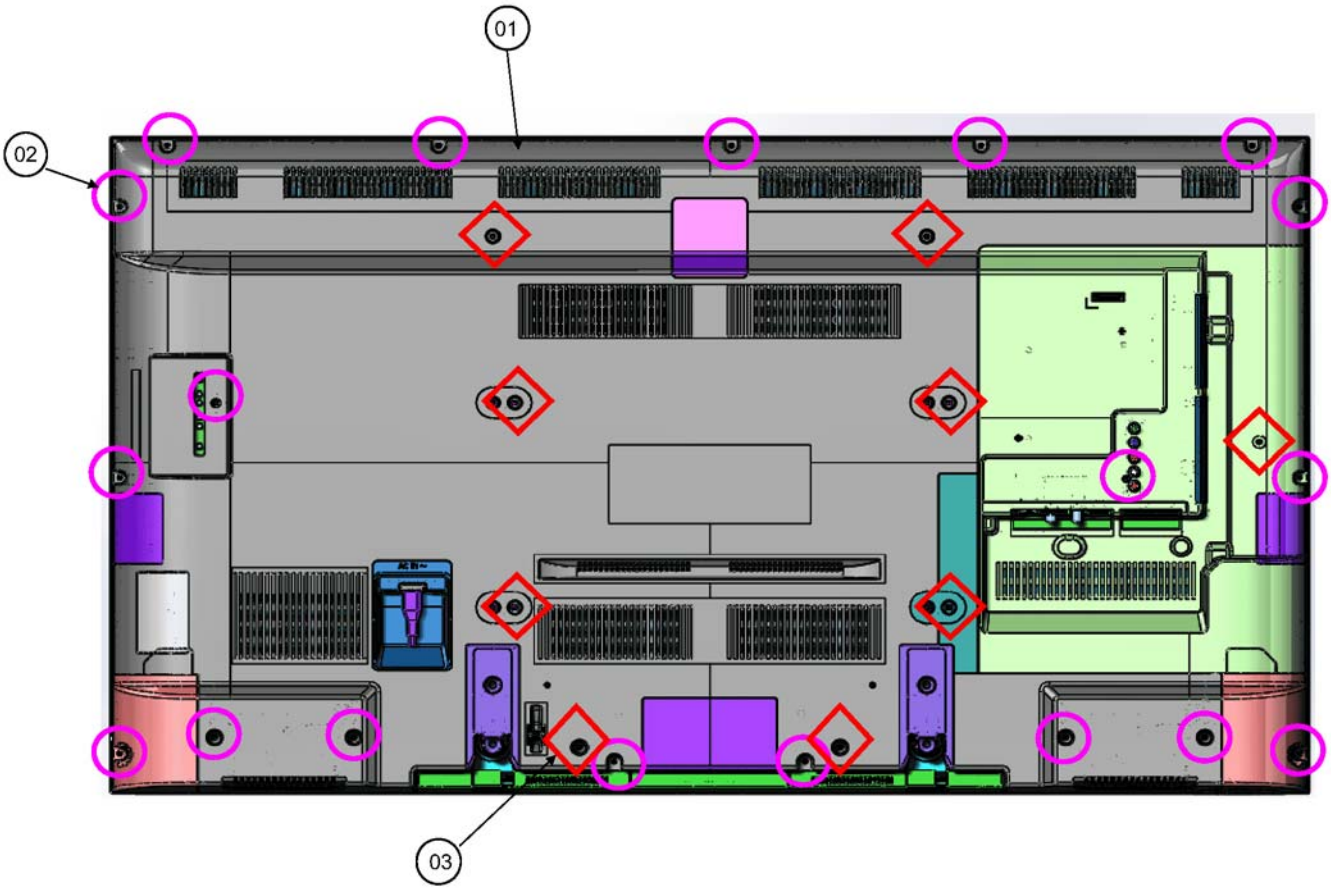
1. Screw all part follow the picture shown.



No	Description	Qty	UOM	Remarks
01	SCREW(A4/P6/VESA4/MTL4/SP4/WIFI1/B2)	25	PC	5 - 7 Kgfcm

7.5. Screw Installation (BC)

1. Screw all part follow the picture shown.



No	Description	Qty	UOM	Remarks
01	BACK COVER	1	PC	
02	SCREW(BC13/AV1/CRTL1/SP4)	19	PC	5 - 7 Kgfcm
03	SCREW(BC5/VESA4)	9	PC	5 - 7 Kgfcm

8 Measurements and Adjustments

8.1. Voltage chart of A-board

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

Checked Name	Test Point	Specification	In/Out	Target Board Suffix
PNL12V	TP4059	12V ± 1.2V	output	ALL
SUB5V	TP5241	5.17V ± 0.25V	output	ALL
USB1	TP8705	5.0V ± 0.25V	output	ALL
USB2	TP8711	5.0V ± 0.25V	output	ALL
USB-WiFi	TP8718	5.14V ± 0.20V	output	ALL
SUB3.3V	TP5201	3.33V ± 0.15V	output	ALL
HDMISW3.3V	TP4514	3.35V ± 0.17V	output	ALL
SUB_AI_3.3V	TP2206	3.3V ± 0.17V	output	ALL
STB_1.5V	TP8101	1.52V ± 0.07V	output	ALL
SUB1.0V	TP8100	1.02V ± 0.05V	output	ALL
AVDD1.0V	TP8102	1.06V ± 0.05V	output	ALL
WOL3.3V/PHY3.3V	TP8606	3.3V ± 0.17V	output	ALL
EU_TU_1.8V	TP5704	1.84V ± 0.1V	output	ALL

8.2. Voltage chart of P-board

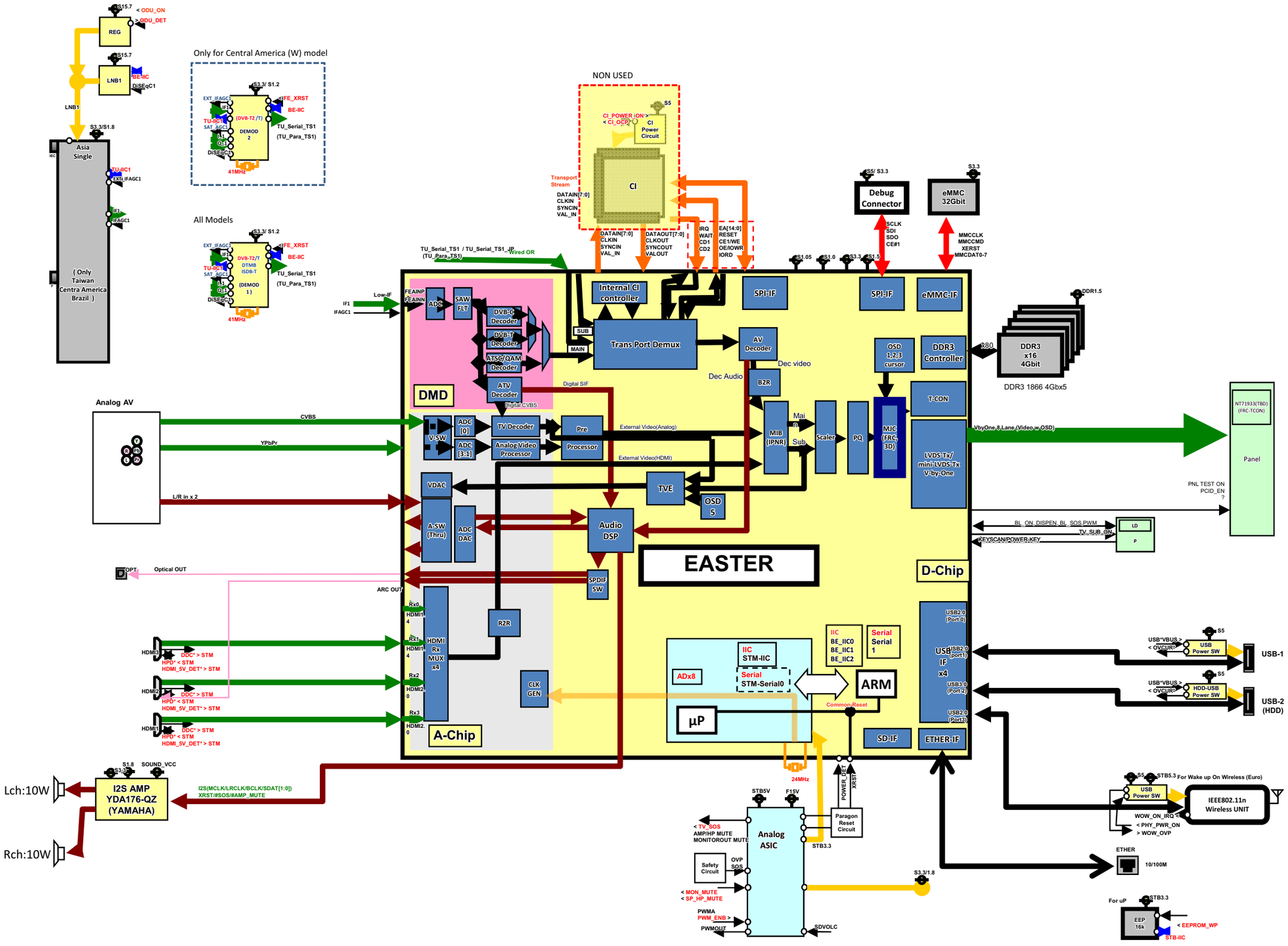
Set P-Board to a dummy load and check the satisfaction with the specified voltage as following table.

Output	Test Point	Specification		
		Step 1	Step 2	
32V	TP7407/08/09	<1V	32 ± 1.6V	
16V	TP7410/11/12	<1V	15.7 ± 0.8V	
5VS	TP7501	5.2 ± 0.2V	5.2 ± 0.2V	
PFC	TP7201/02	<340V	390V ± 15V	*HOT

Step 1 Supply to P1 or JK7101/JK7102 connector in the P-Board. Main power button is OFF.

Step 2 Supply DC 2.5V to TV_SUB_ON TP7416 (TNP4G598), displayed as SWITCH.

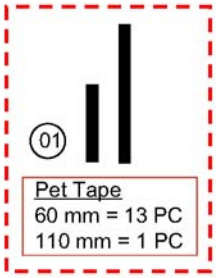
9 Block Diagram

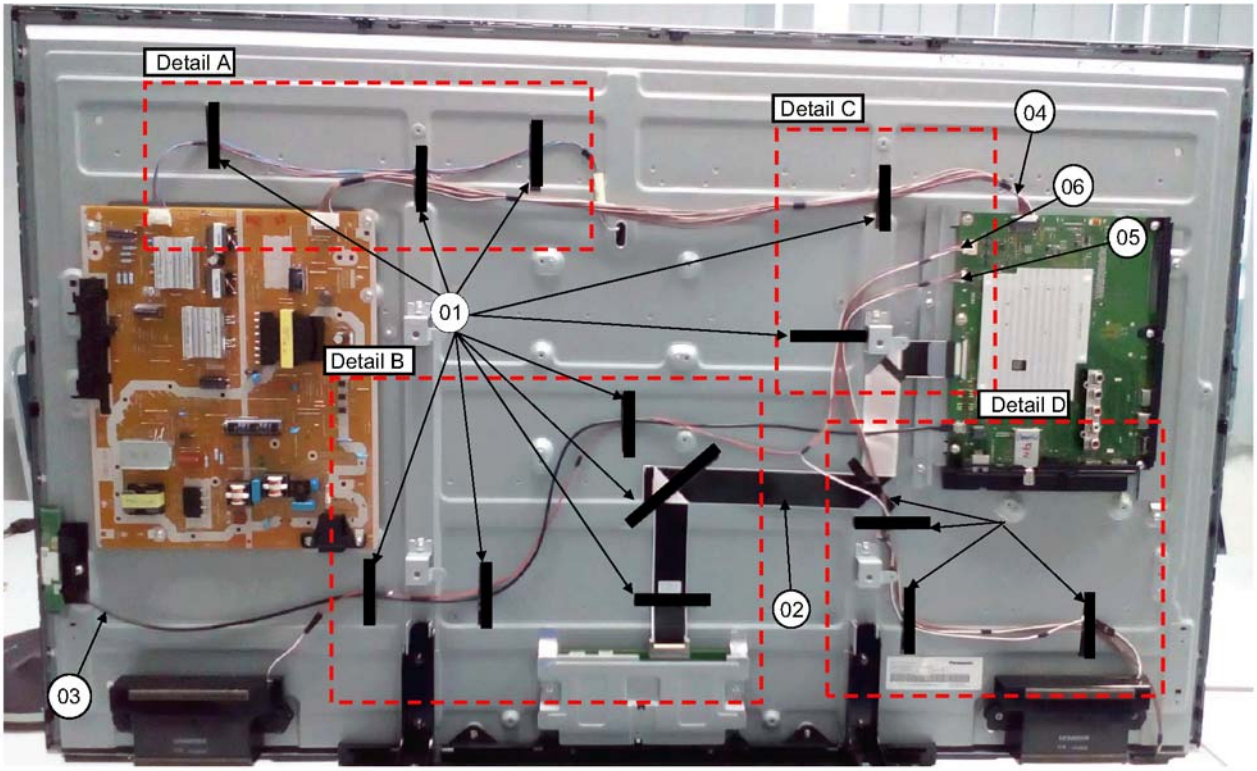


10 Wiring Connection Diagram

10.1. Wire Dressing -1

1. Do wire dressing follow below spec. (stick PET tape as shown).
2. Stick tapes and rub evently at lease twice.

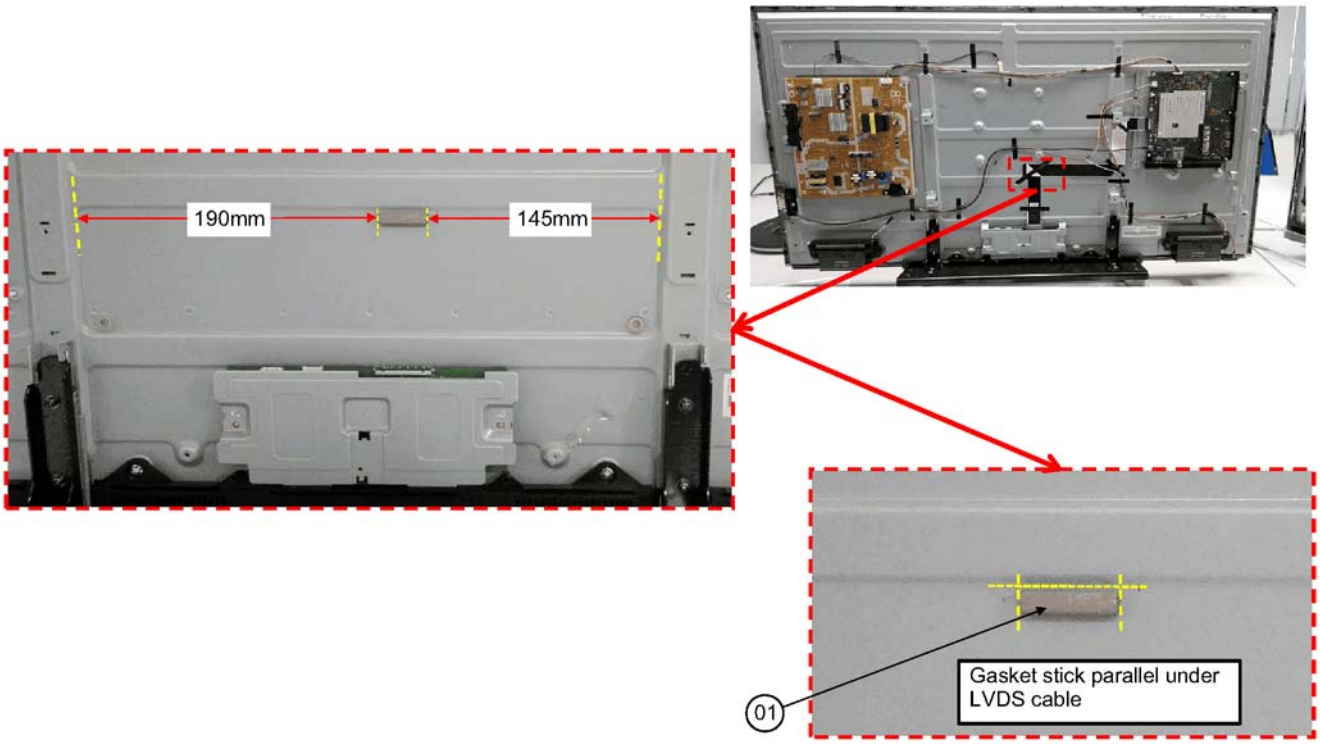




No	Description	Qty	UOM	Remarks
01	PET TAPE (0.11*1,0.06*13)	0.89	MT	
02	LVDS FFC (51PIN)	1	PC	80mm × 1
03	WIFI DONGLE WIRE	1	PC	
04	CABLE (A02-P2)	1	PC	
05	CABLE (A10-K10)	1	PC	
06	CABLE (A12-SPL/SPR)	1	PC	

10.2. Wire Dressing -2

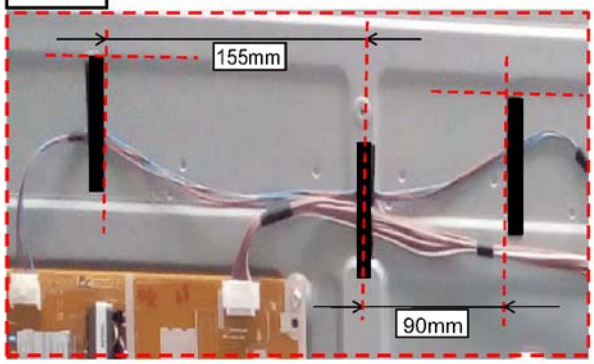
1. Stick Gasket under the LVCS cable.



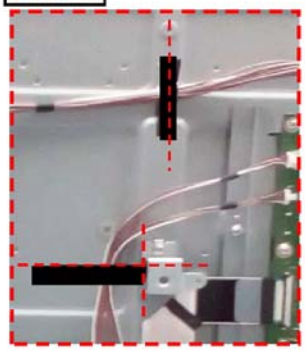
No	Description	Qty	UOM	Remarks
01	GASKET	1	PC	(T5.0+W5.0+L30)

10.3. Wire Dressing -3

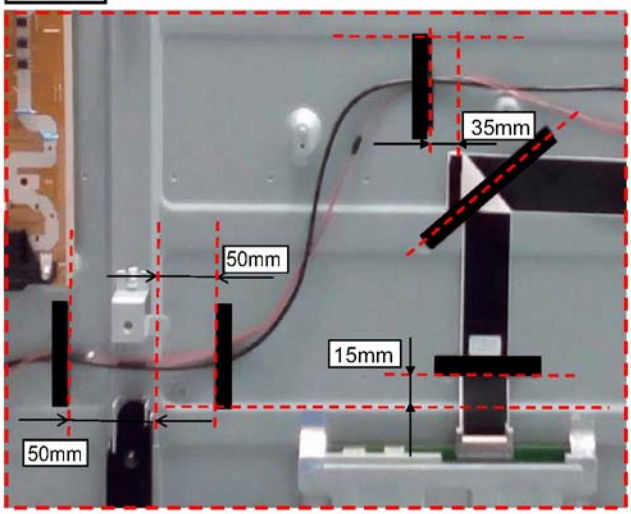
Detail A



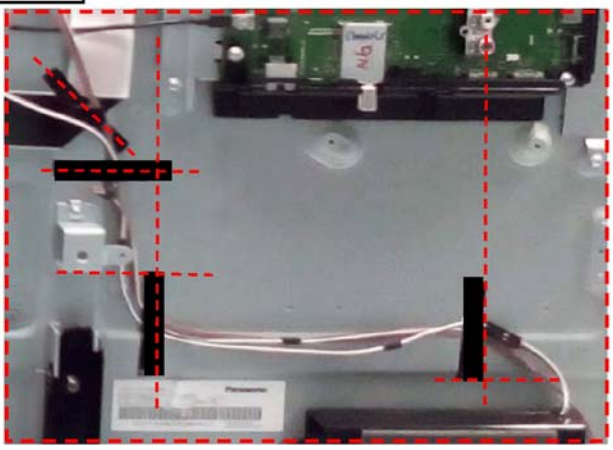
Detail C



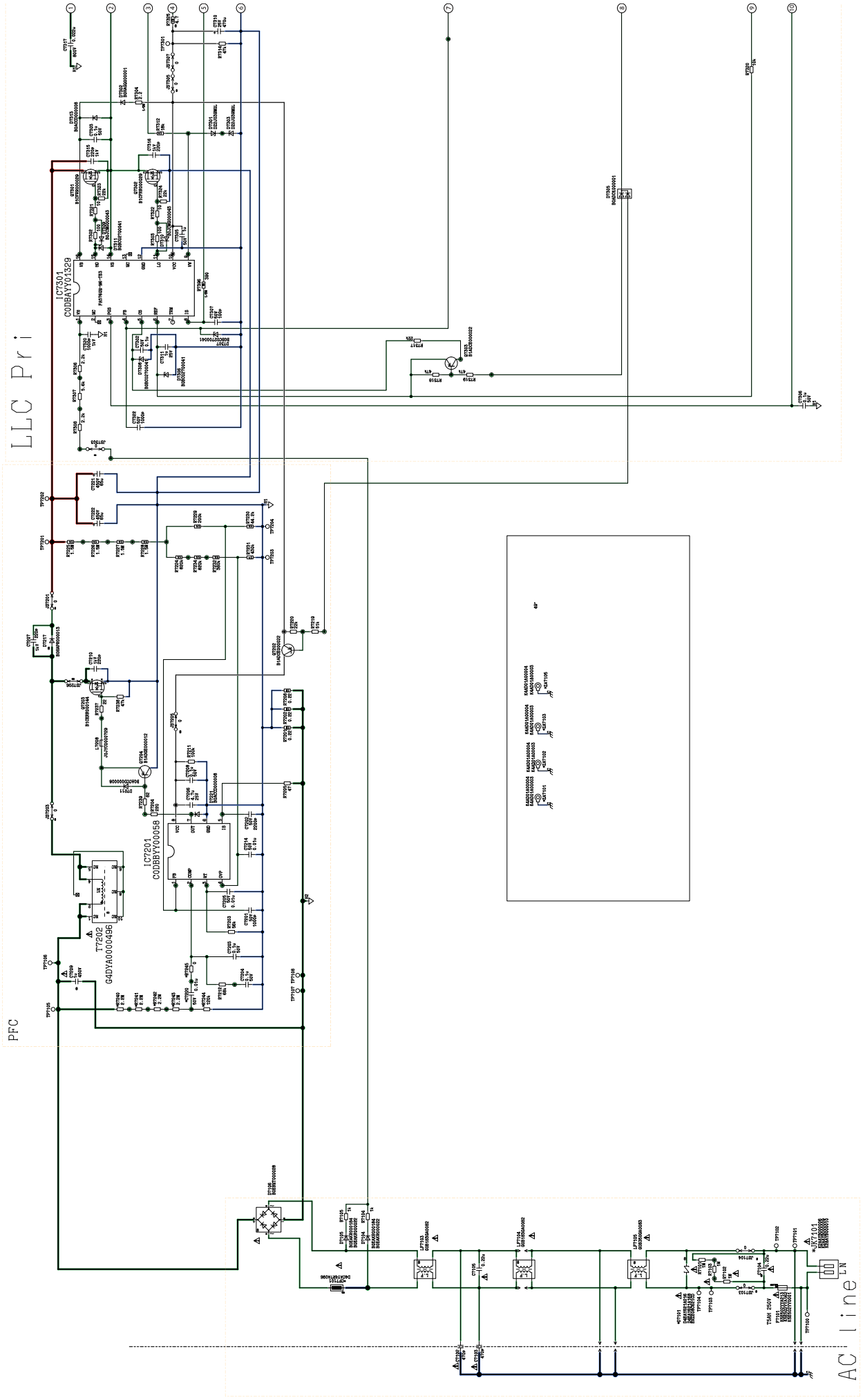
Detail B

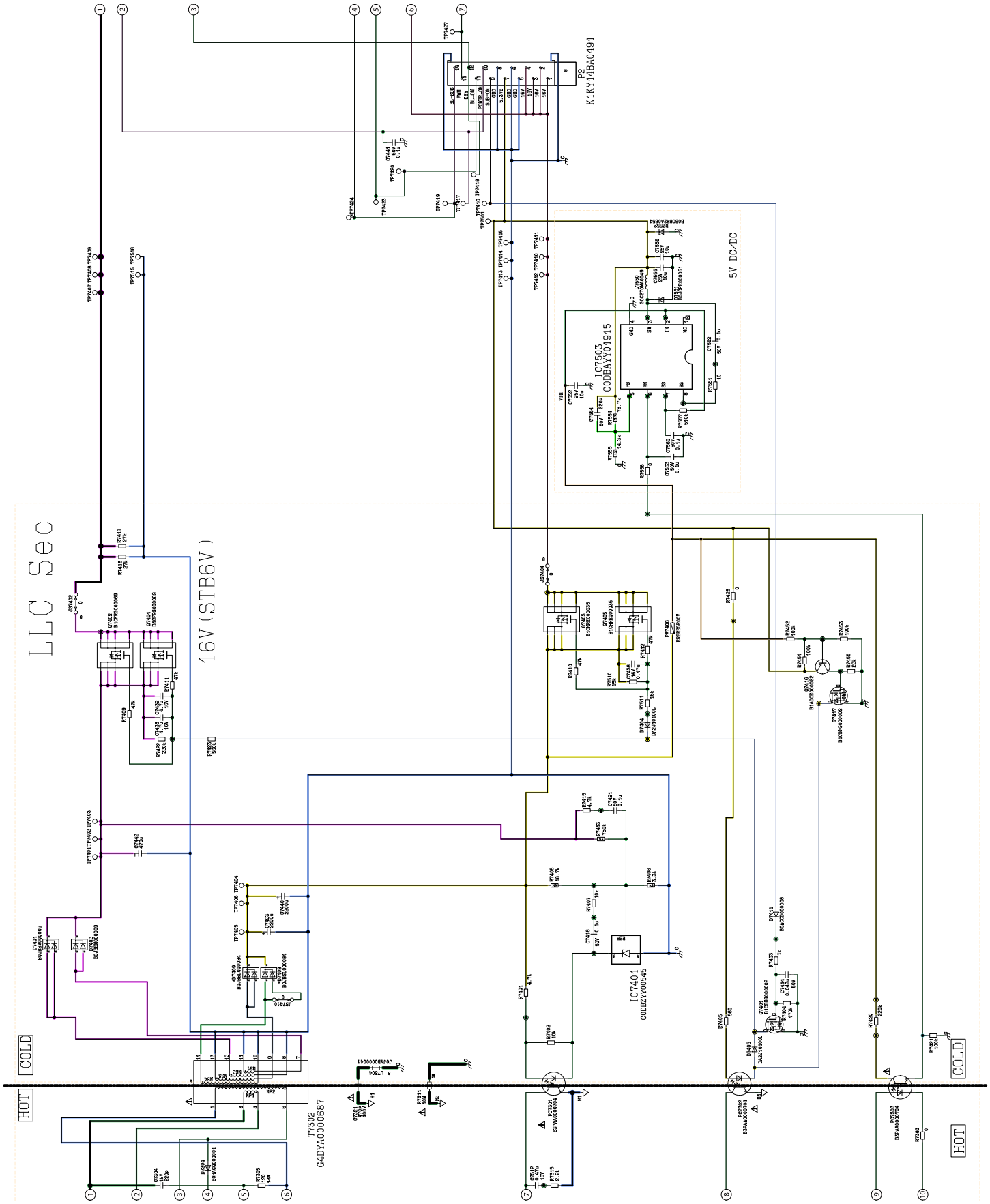


Detail D

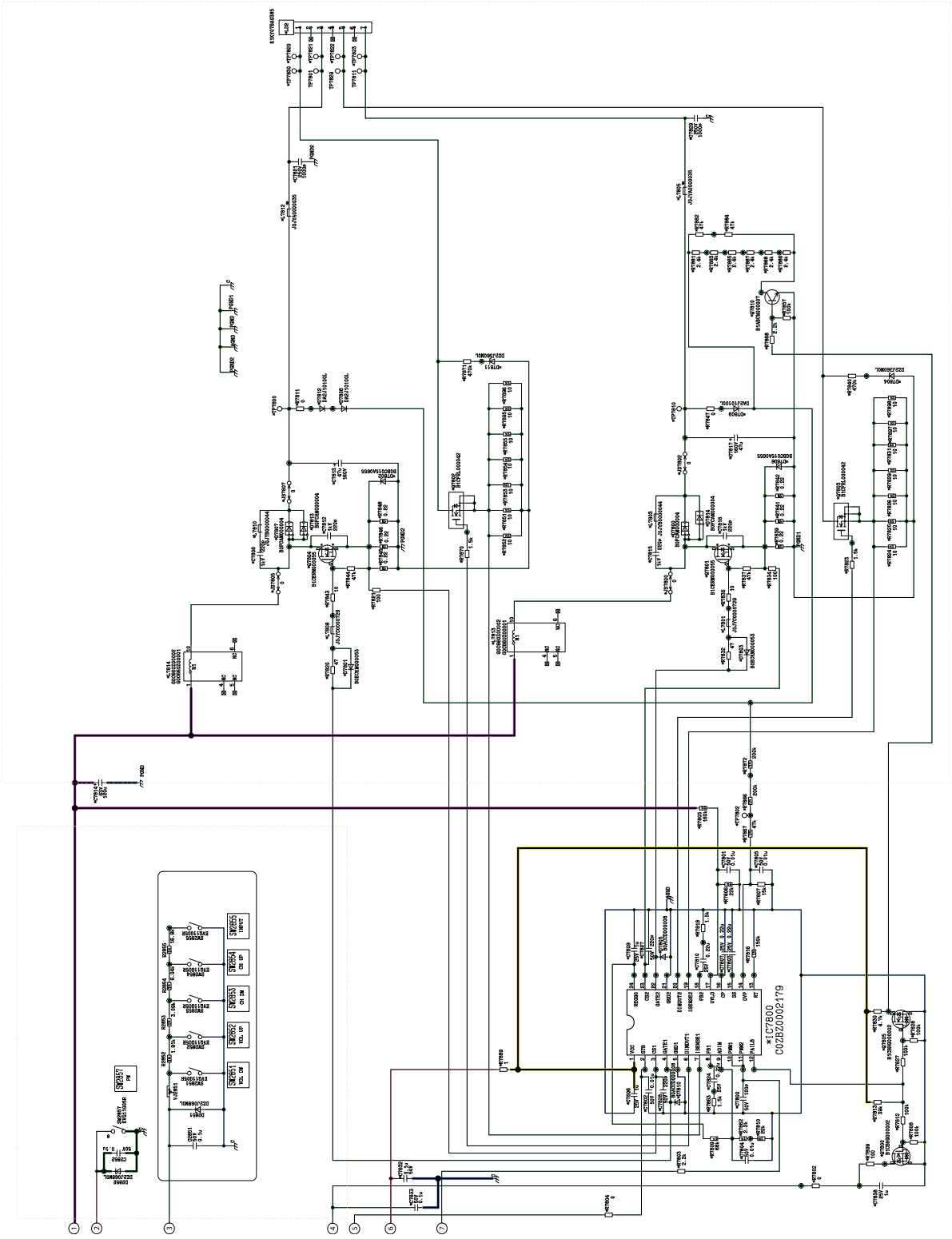


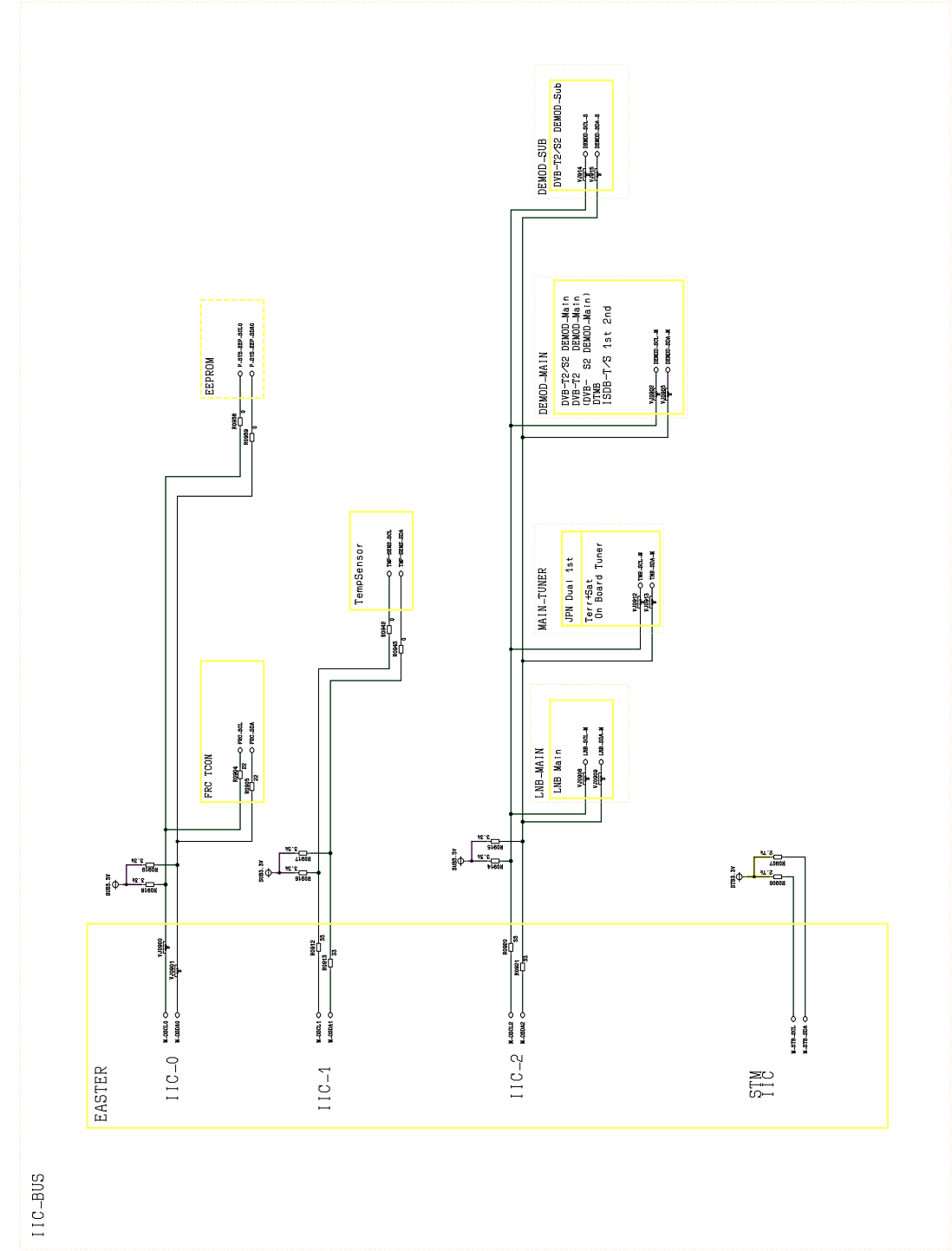
Model No. : TH-49DX650R P-Board (1/3)

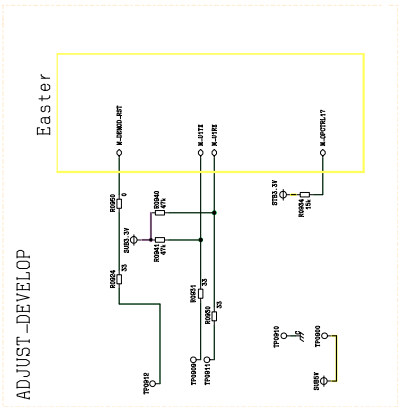



LLC Sec
16V(STB6V)
5V DC/DC
P2
K1KY14BA0491
IC7503
C0DBAY01915
IC7401
C0DBZYY00545
T7302
G4DYA0000687
COLD
HOT

TNP4G598DB
P BOARD







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IIC
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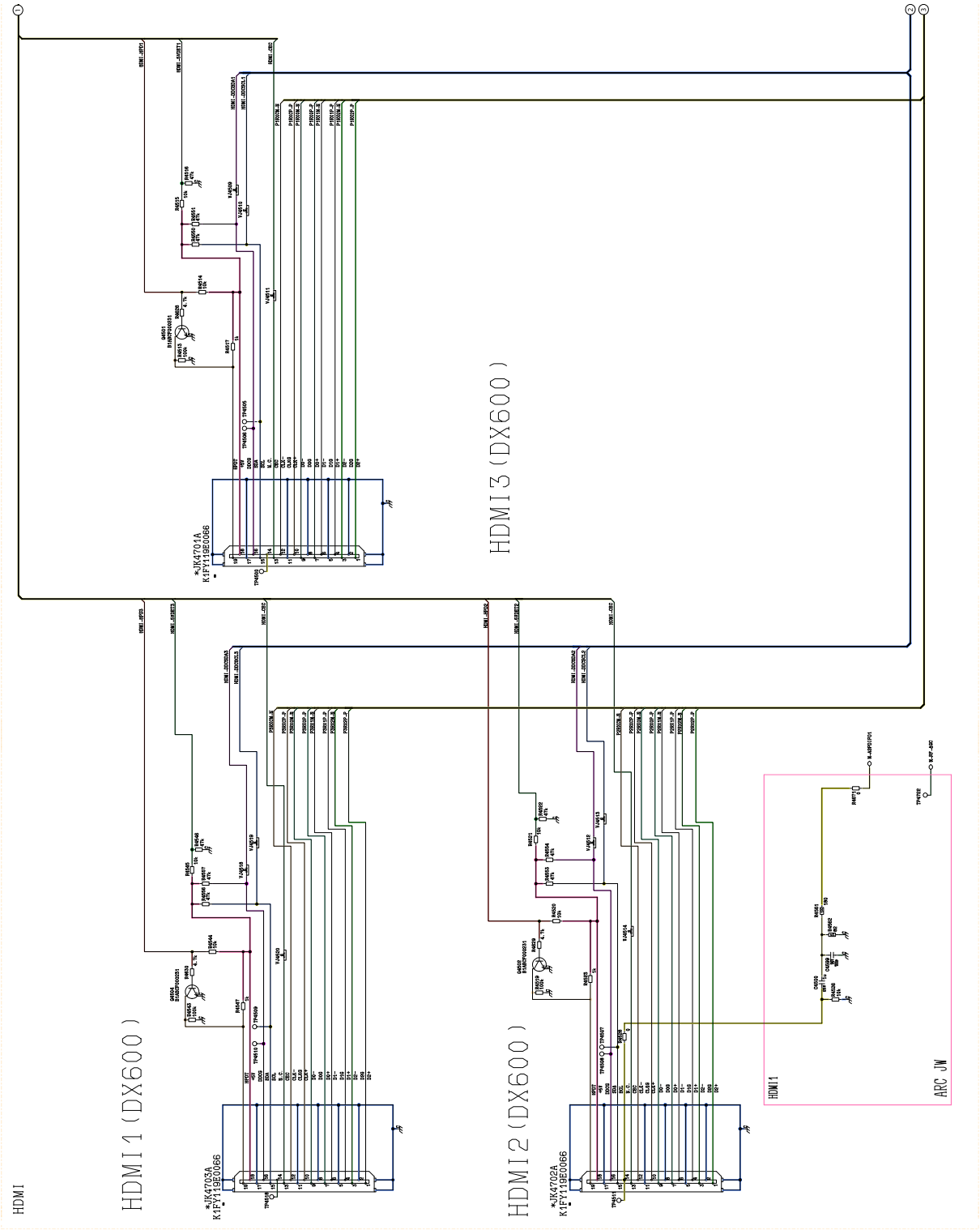

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HDMI
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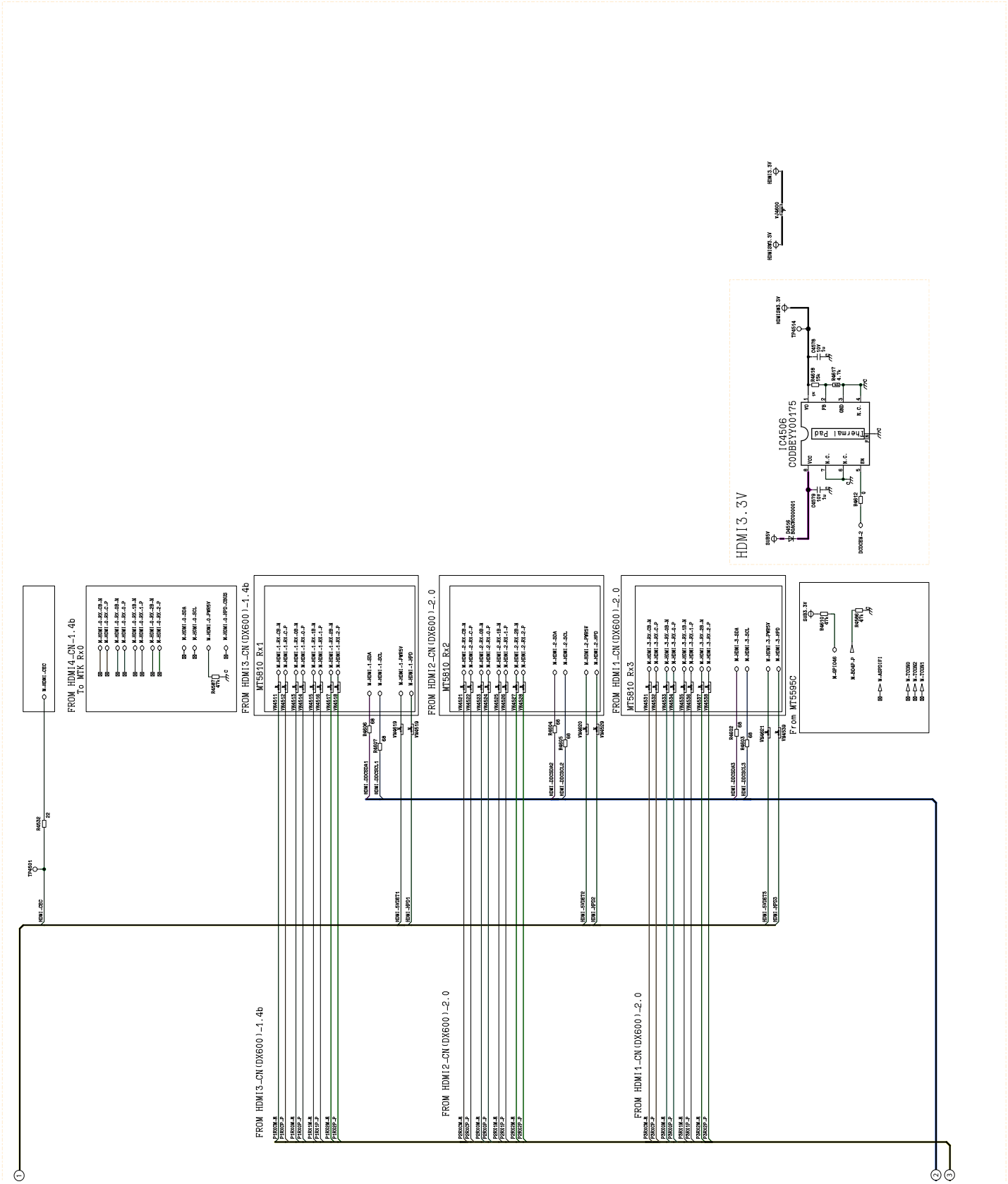
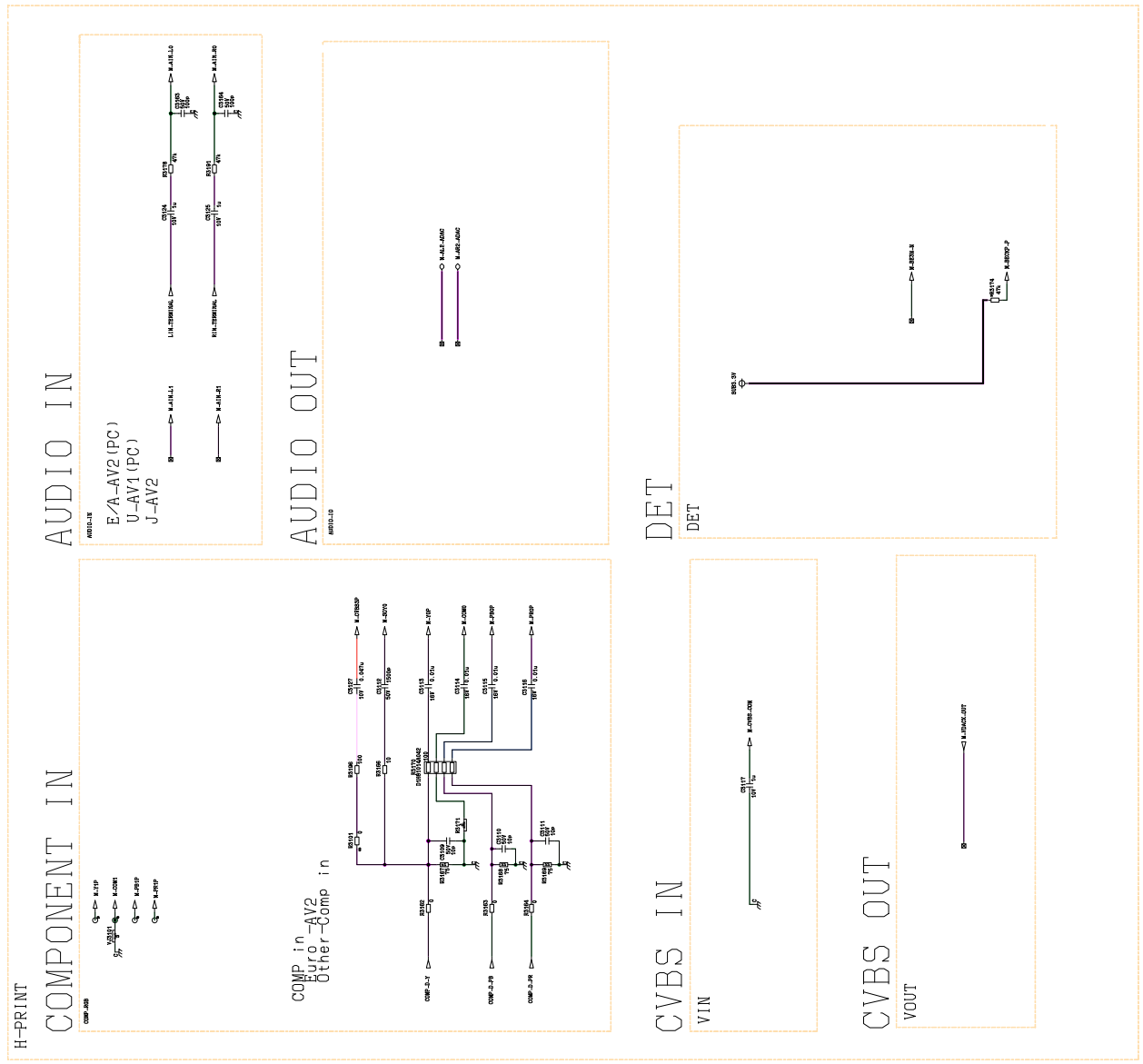
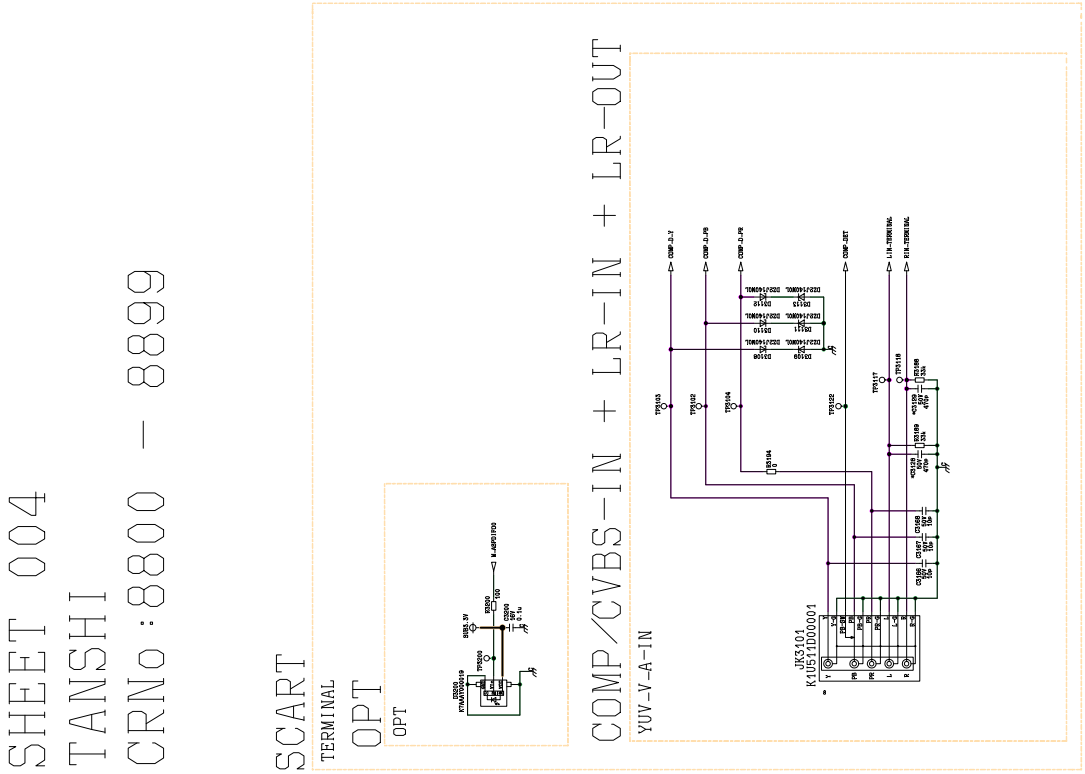

FROM HDMI4-CN-1.4b
To MTK RxO
FROM HDMI3-CN(DX600)-1.4b
MT5810 Rx1
FROM HDMI2-CN(DX600)-2.0
MT5810 Rx2
FROM HDMI1-CN(DX600)-2.0
MT5810 Rx3
From MT5595C
FROM HDMI3-CN(DX600)-1.4b
FROM HDMI2-CN(DX600)-2.0
FROM HDMI1-CN(DX600)-2.0
HDMI3.3V
IC4506
C0DBEY00175


H-PRINT
COMPONENT IN
COMP-JACK
COMP in
Euro -AV2
Other-Comp in
AUDIO IN
AUDIO-IN
E/A-AV2(PC)
U-AV1(PC)
J-AV2
AUDIO OUT
AUDIO-OUT
DET
DET
CVBS IN
VIN
CVBS OUT
VOUT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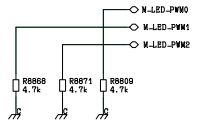
TANSHI
CRNo:8800 - 8899
SCART
TERMINAL
OPT
OPT
COMP/CVBS-IN + LR-IN + LR-OUT
YUV-V-A-IN
JK3101
K1U51D000001

PIN_STRAPPING



DEBUG

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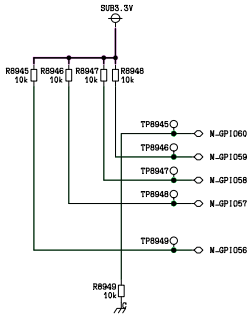
JTAG



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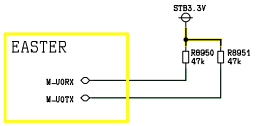

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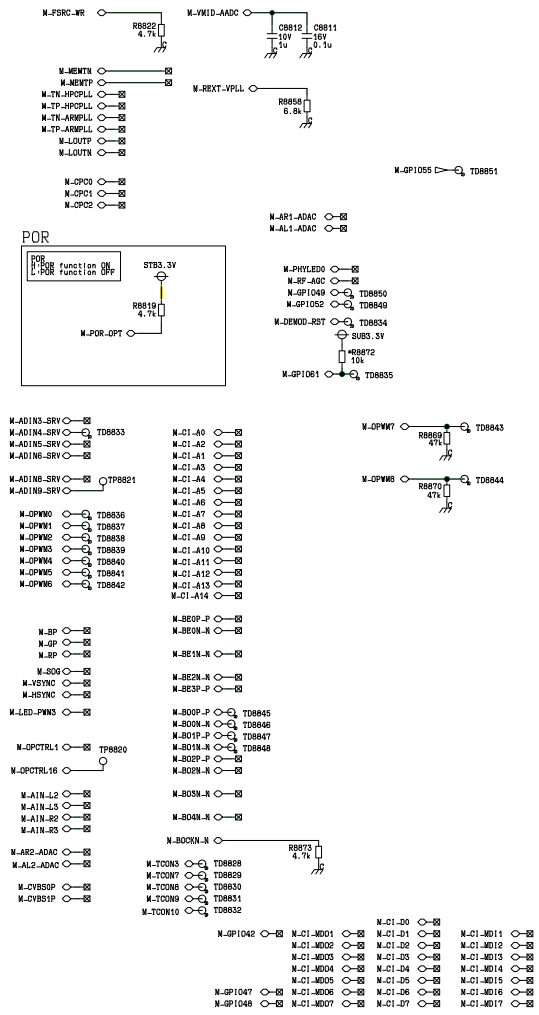

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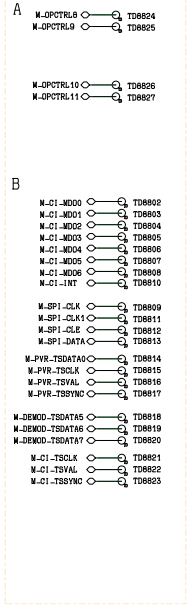
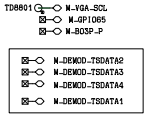


NO-USE



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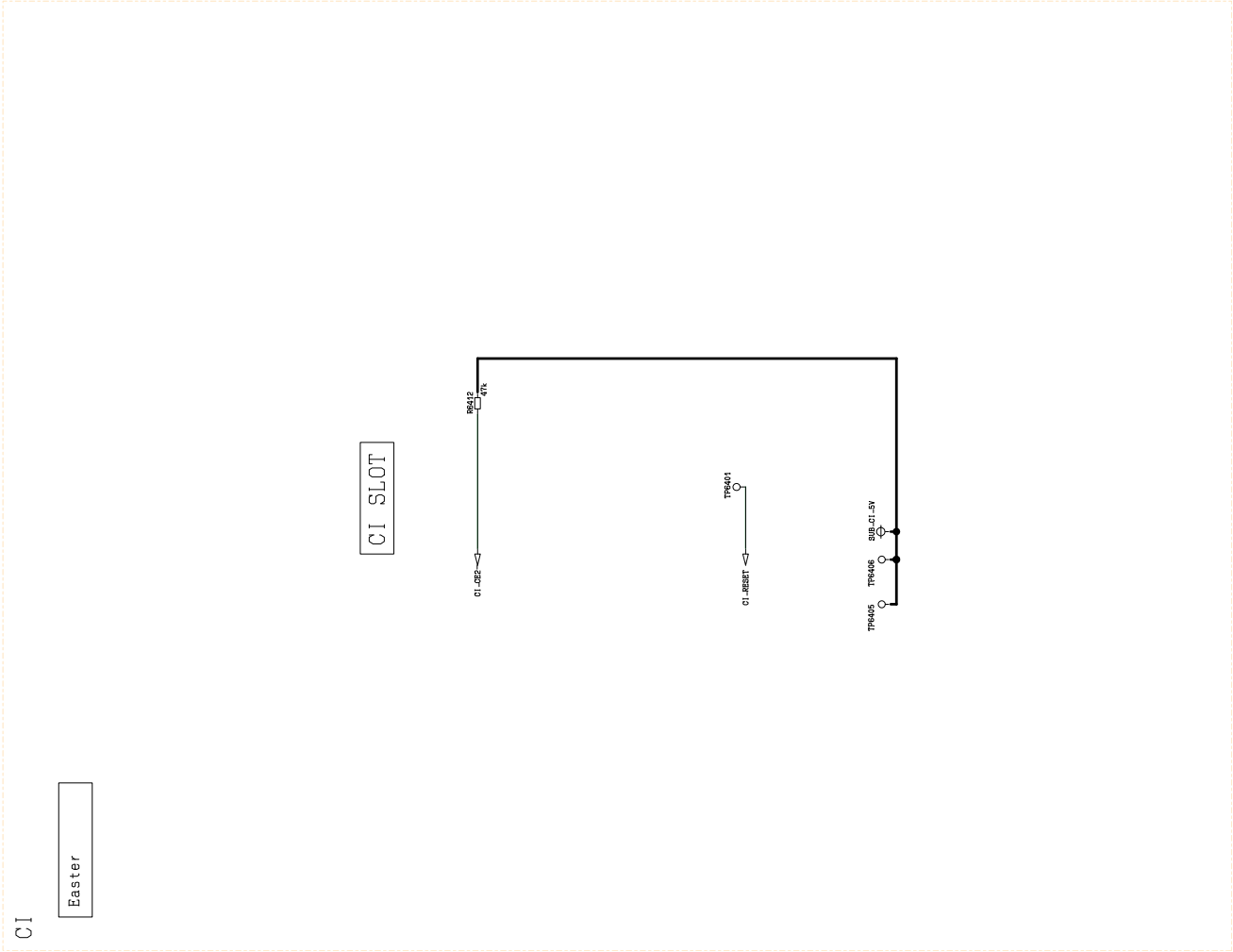
EASTER_OTHER
CRNo：8800 — 8899



SHEET 006
CI/B-CAS
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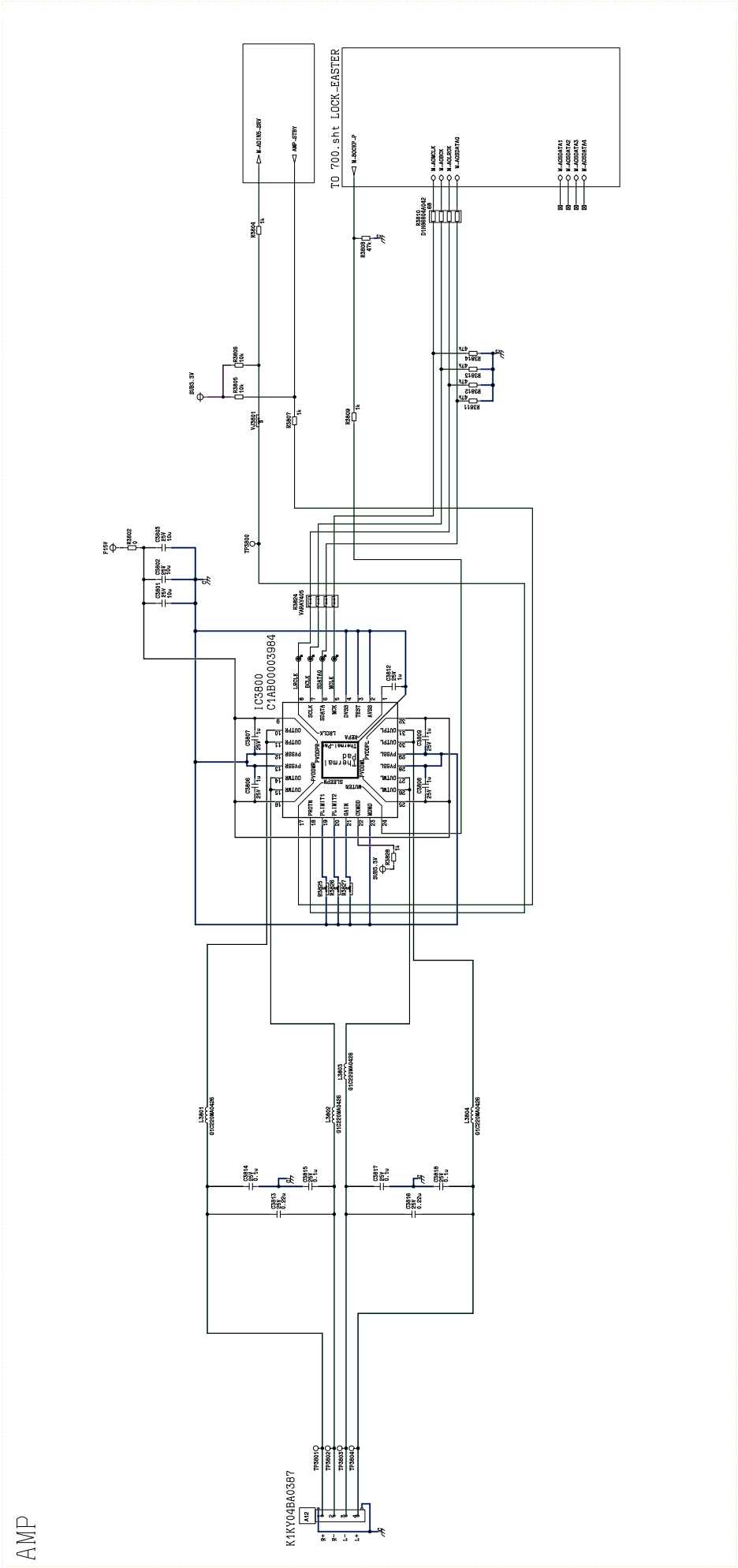

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AUDIO AMP
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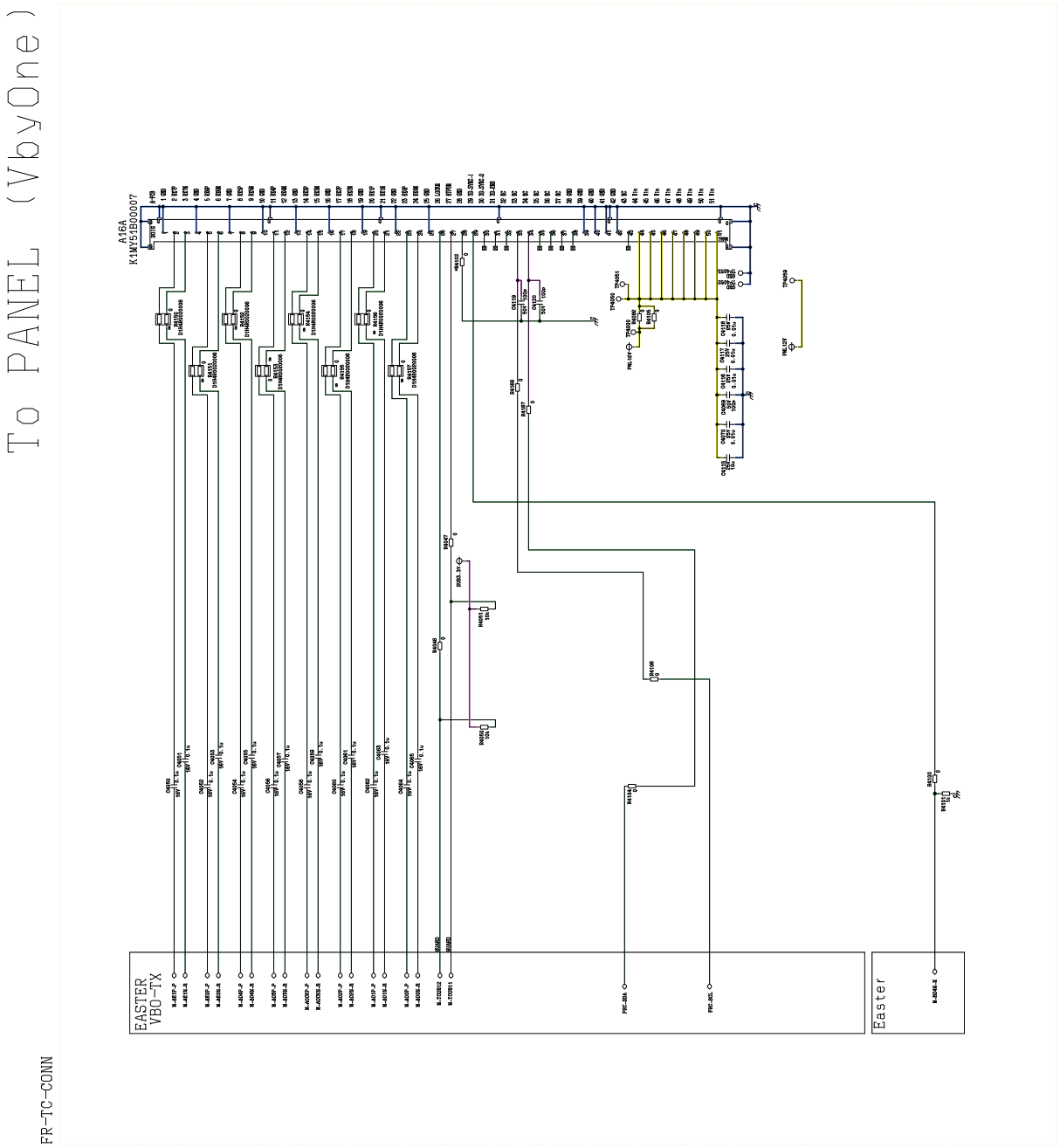
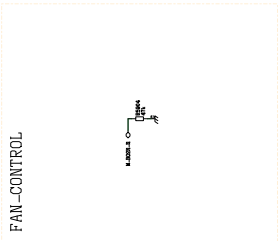
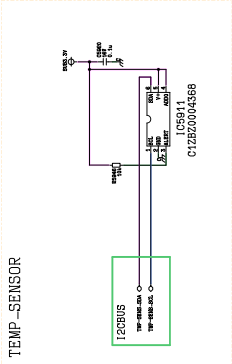
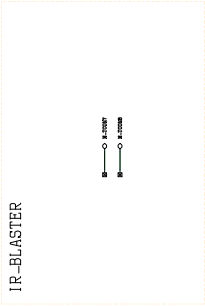


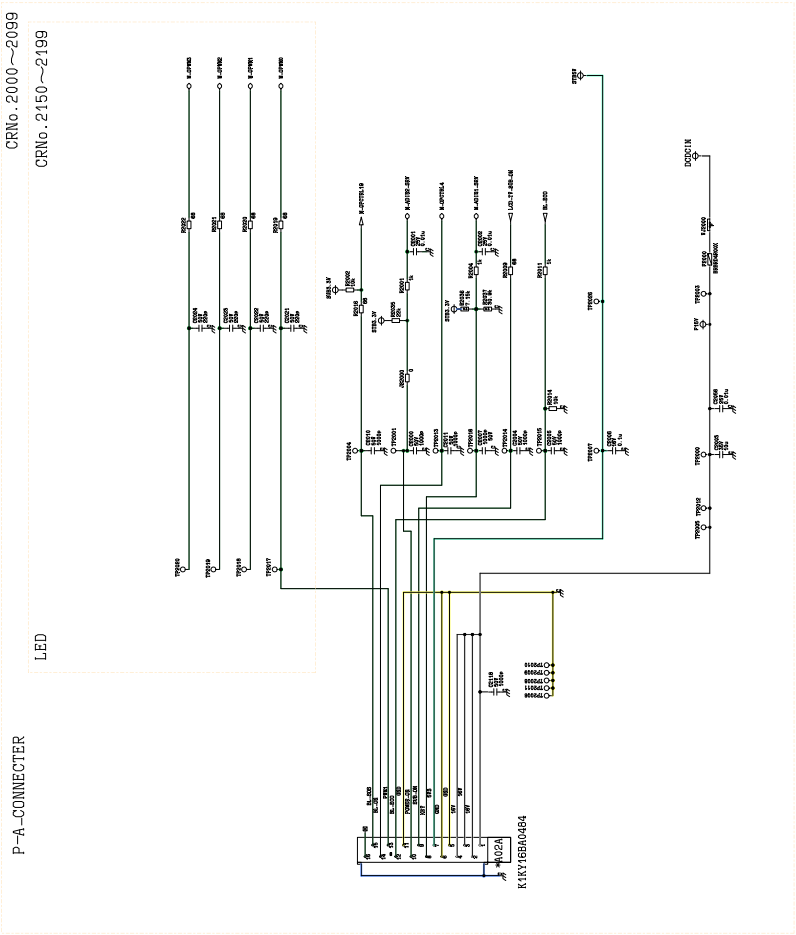
SHEET 009
VBO
CRNo:4000 - 4199

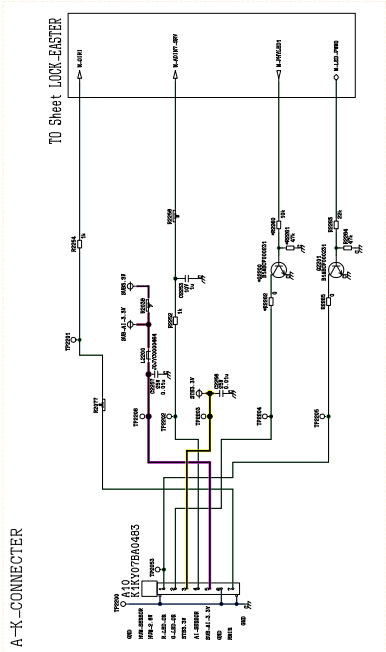
SHEET 101
SET
CRNo:2000 - 2499

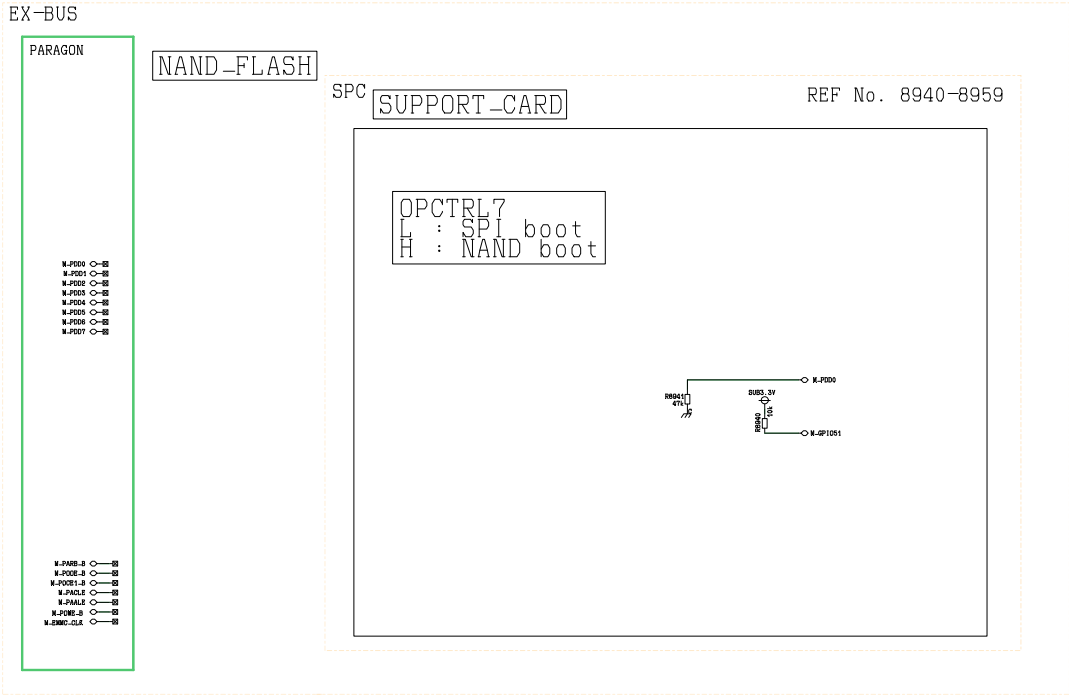


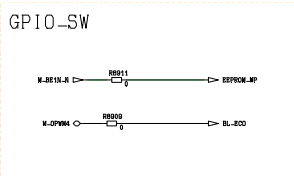


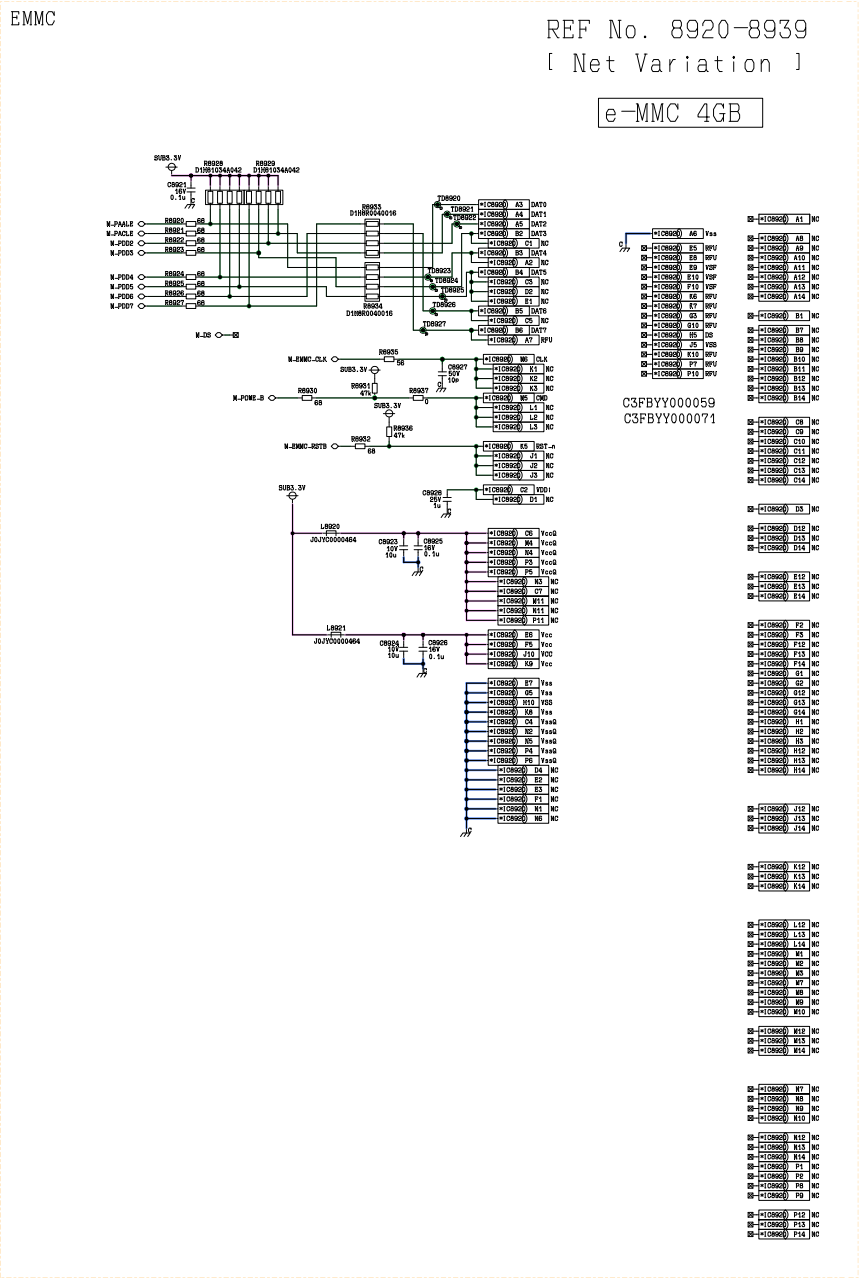








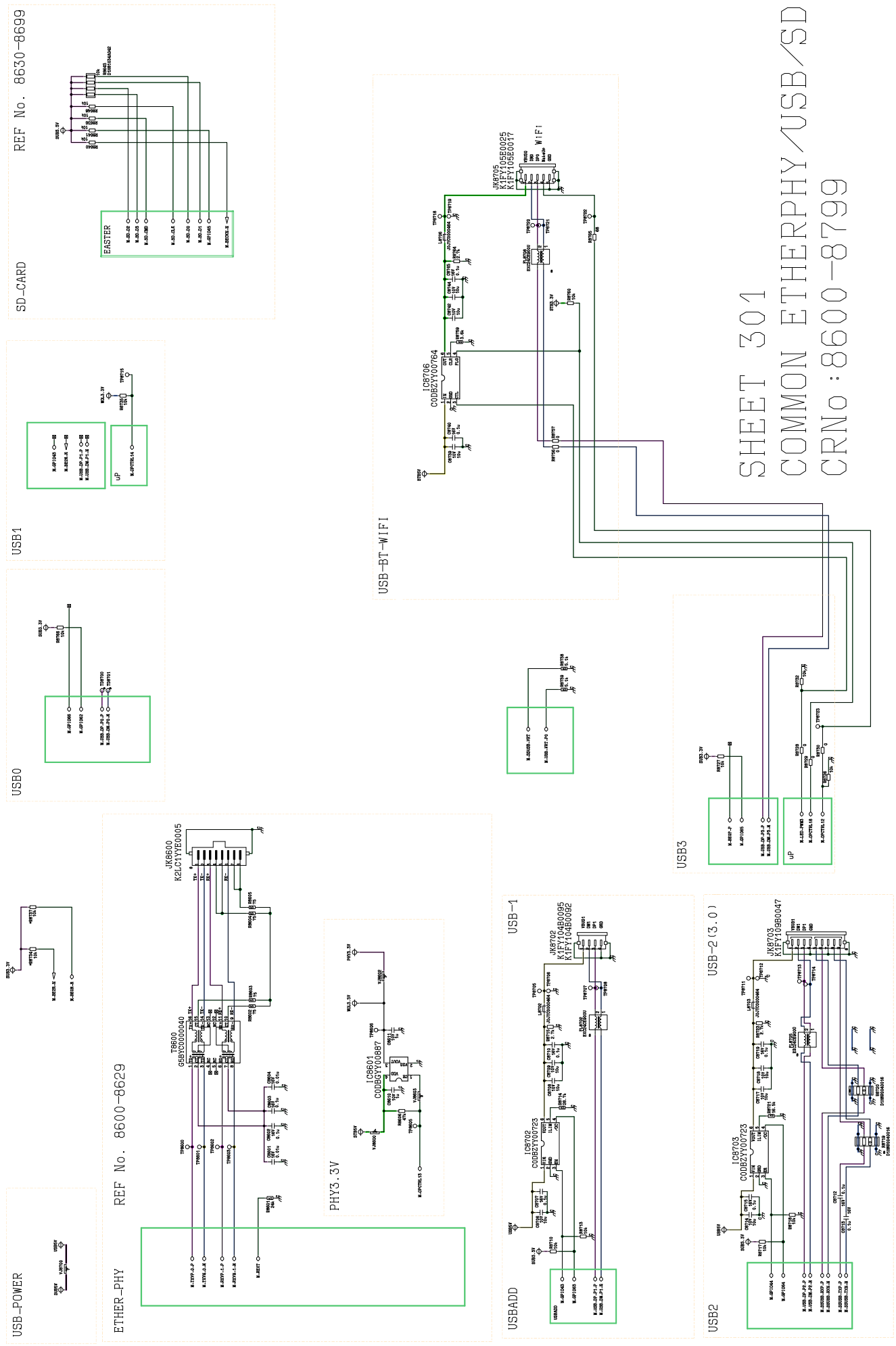


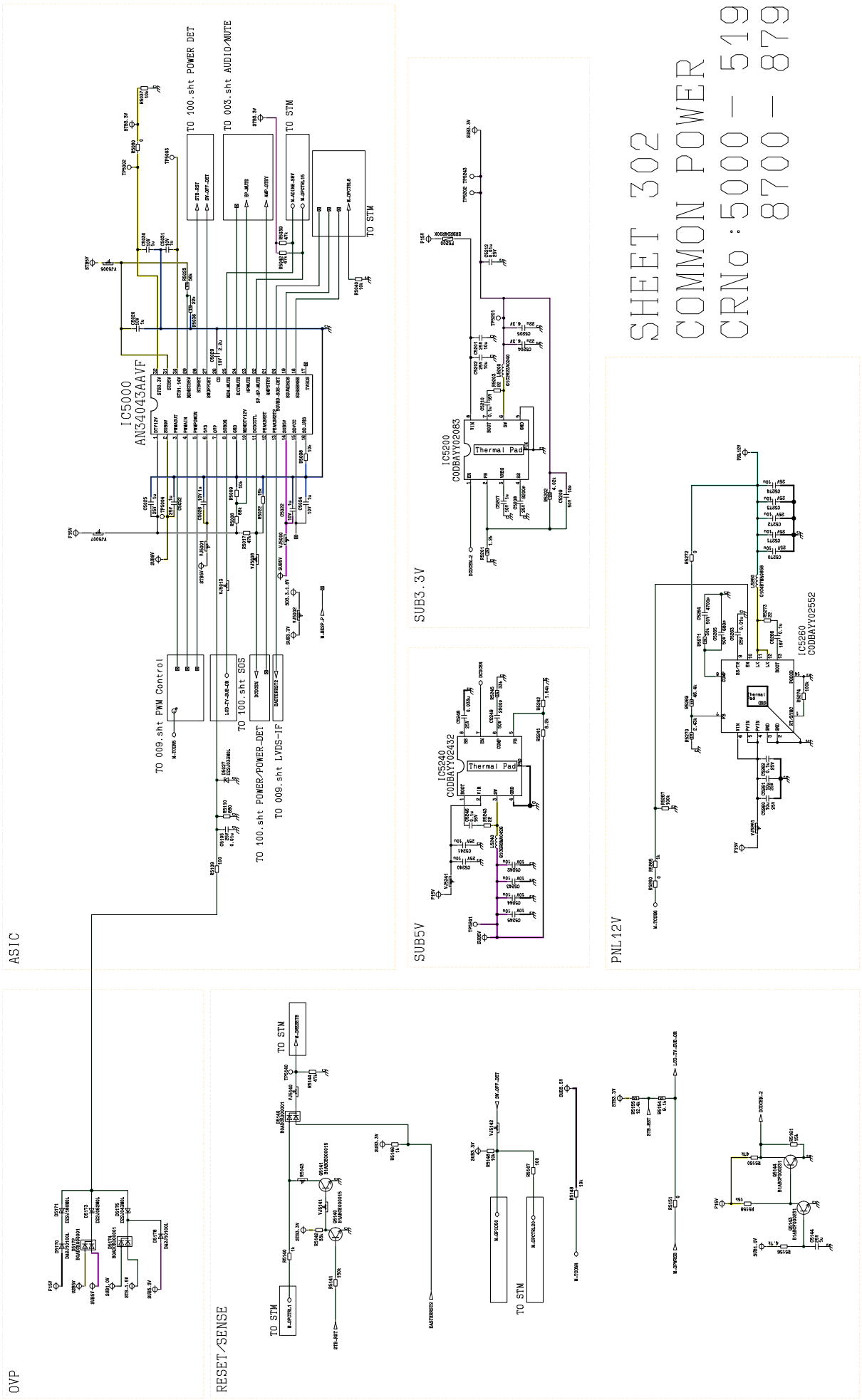


SHEET 300

COMMON EMMC/SPC/EEPROM/JTAG

CRNo:8900-8959


SHEET 301
COMMON ETHERPHY/USB/SD
CRNo :8600-8799
SD_CARD
REF No. 8630-8699
EASTER
USB1
uP
USB0
USB-BT-WIFI
IC8706
C0DBZYY00764
JK8705
K1FY105B0025
K1FY105B0017
WiFi
USB3
uP
USB-POWER
ETHER-PHY
REF No. 8600-8629
JK8600
K2LC1YYE0005
T8600
G5BTC0000040
PHY3.3V
IC8601
C0DBGYY00887
USB-1
JK8702
K1FY104B0095
K1FY104B0092
IC8702
C0DBZYY00723
USBADD
USB-2(3.0)
JK8703
K1FY109B0047
IC8703
C0DBZYY00723
USB2


SHEET 302
COMMON POWER
CRNo : 5000 - 5199
8700 - 8799
ASIC
IC5000
AN34043AAVF
TO 100.sht POWER DET
TO 003.sht AUDIO/MUTE
TO STM
TO 009.sht PWM Control
TO 100.sht SOS
TO 100.sht POWER/POWER-DET
TO 009.sht LVDS-IF
SUB3.3V
IC5200
CODBAYY02083
Thermal Pad
SUB5V
IC5240
CODBAYY02432
Thermal Pad
PNL12V
IC5260
CODBAYY02552
OVP
RESET/SENSE
TO STM

C1AB00004367

Standby Power Domain

Miscellaneous

DRESETB	M34	IC8000	M_DRESETB

LOCK/EASTER CLK / Crystal

XTALI	E37	IC8000	M_XTALI
XTALO	E38	IC8000	M_XTALO

UART

U0TX	AE56	IC8000	M_U0TX
U0RX	AE37	IC8000	M_U0RX

Infrared

OIRI	Y35	IC8000	M_OIRI

Power Management

OPCTRL0	R34	IC8000	M_OPCTRL0
OPCTRL1	R36	IC8000	M_OPCTRL1
OPCTRL2	R33	IC8000	M_OPCTRL2
OPCTRL3	R35	IC8000	M_OPCTRL3
OPCTRL4	T34	IC8000	M_OPCTRL4
OPCTRL5	T36	IC8000	M_OPCTRL5
OPCTRL6	R33	IC8000	M_OPCTRL6
OPCTRL7	U35	IC8000	M_OPCTRL7
OPCTRL8	R35	IC8000	M_OPCTRL8
OPCTRL9	Y33	IC8000	M_OPCTRL9
OPCTRL10	AC35	IC8000	M_OPCTRL10
OPCTRL11	AB37	IC8000	M_OPCTRL11
OPCTRL12	AC32	IC8000	M_OPCTRL12
OPCTRL13	AD33	IC8000	M_OPCTRL13
OPCTRL14	AE33	IC8000	M_OPCTRL14
OPCTRL15	AD35	IC8000	M_OPCTRL15
OPCTRL16	AD32	IC8000	M_OPCTRL16
OPCTRL17	AC33	IC8000	M_OPCTRL17
OPCTRL18	AD37	IC8000	M_OPCTRL18
OPCTRL19	AD36	IC8000	M_OPCTRL19
OPCTRL20	AD36	IC8000	M_OPCTRL20
OPWRSB	AB36	IC8000	M_OPWRSB

HDMI

HDMI_CEC	G24	IC8000	M_HDMI_CEC
HDMI_0_SCL	P26	IC8000	M_HDMI_0_SCL
HDMI_0_SDA	P27	IC8000	M_HDMI_0_SDA
HDMI_0_HPD_CBUS	P28	IC8000	M_HDMI_0_HPD_CBUS
HDMI_0_PWR5V	G26	IC8000	M_HDMI_0_PWR5V
HML_SENSE	P24	IC8000	M_HML_SENSE
HDMI_1_SCL	G30	IC8000	M_HDMI_1_SCL
HDMI_1_SDA	G28	IC8000	M_HDMI_1_SDA
HDMI_1_HPD	P30	IC8000	M_HDMI_1_HPD
HDMI_1_PWR5V	E30	IC8000	M_HDMI_1_PWR5V
HDMI_2_SCL	G31	IC8000	M_HDMI_2_SCL
HDMI_2_SDA	P33	IC8000	M_HDMI_2_SDA
HDMI_2_HPD	P31	IC8000	M_HDMI_2_HPD
HDMI_2_PWR5V	E31	IC8000	M_HDMI_2_PWR5V
HDMI_3_SCL	D34	IC8000	M_HDMI_3_SCL
HDMI_3_SDA	D33	IC8000	M_HDMI_3_SDA
HDMI_3_HPD	F34	IC8000	M_HDMI_3_HPD
HDMI_3_PWR5V	E34	IC8000	M_HDMI_3_PWR5V

OTHER

VGA_SCL	T37	IC8000	M_VGA_SCL
VGA_SDA	U36	IC8000	M_VGA_SDA
STB_SCL	AC37	IC8000	M_STB_SCL
STB_SDA	AC38	IC8000	M_STB_SDA
LED_PWM0	AA33	IC8000	M_LED_PWM0
LED_PWM1	AA32	IC8000	M_LED_PWM1
LED_PWM2	AF37	IC8000	M_LED_PWM2
LED_PWM3	AG36	IC8000	M_LED_PWM3

Analog Video Input

VSYNC	T36	IC8000	M_VSYNC
HSYNC	R37	IC8000	M_HSYNC
SOG	P38	IC8000	M_SOG
SOY0	L37	IC8000	M_SOY0
SOY1	K36	IC8000	M_SOY1

Servo ADC Input

ADIN0_SRV	L34	IC8000	M_ADIN0_SRV
ADIN1_SRV	P35	IC8000	M_ADIN1_SRV
ADIN2_SRV	L35	IC8000	M_ADIN2_SRV
ADIN3_SRV	E33	IC8000	M_ADIN3_SRV
ADIN4_SRV	L33	IC8000	M_ADIN4_SRV
ADIN5_SRV	M33	IC8000	M_ADIN5_SRV
ADIN6_SRV	J35	IC8000	M_ADIN6_SRV
ADIN7_SRV	U37	IC8000	M_ADIN7_SRV
ADIN8_SRV	N35	IC8000	M_ADIN8_SRV
ADIN9_SRV	K34	IC8000	M_ADIN9_SRV

Ethernet

PHYLED0	AB35	IC8000	M_PHYLED0
PHYLED1	AA34	IC8000	M_PHYLED1

TCON

TCON0	AL21	IC8000	M_TCON0
TCON1	AM21	IC8000	M_TCON1
TCON2	AM22	IC8000	M_TCON2
TCON3	AM23	IC8000	M_TCON3
TCON4	AM23	IC8000	M_TCON4
TCON5	AL22	IC8000	M_TCON5
TCON6	AL23	IC8000	M_TCON6
TCON7	AL24	IC8000	M_TCON7
TCON8	AM24	IC8000	M_TCON8
TCON9	AM24	IC8000	M_TCON9
TCON10	AM25	IC8000	M_TCON10
TCON11	AM25	IC8000	M_TCON11
TCON12	AL25	IC8000	M_TCON12

Miscellaneous

PSRC_WE	G20	IC8000	M_PSRC_WE
MEWTN	AF15	IC8000	M_MEWTN
MEWTP	AE10	IC8000	M_MEWTP
TN_HPCPLL	AK18	IC8000	M_TN_HPCPLL
TP_HPCPLL	AK19	IC8000	M_TP_HPCPLL
TN_ARMPLL	K14	IC8000	M_TN_ARMPLL
TP_ARMPLL	K14	IC8000	M_TP_ARMPLL
LOUTP	L26	IC8000	M_LOUTP
LOUTN	L27	IC8000	M_LOUTN
POR_OPT	U34	IC8000	M_POR_OPT

Serial / NAND Flash / EMMC

PDD0	AJ37	IC8000	M_PDD0
PDD1	AF33	IC8000	M_PDD1
PDD2	AF32	IC8000	M_PDD2
PDD3	AG32	IC8000	M_PDD3
PDD4	AH34	IC8000	M_PDD4
PDD5	AJ35	IC8000	M_PDD5
PDD6	AJ34	IC8000	M_PDD6
PDD7	AJ33	IC8000	M_PDD7
PDCE0_B	AF36	IC8000	M_PDCE0_B
PDCE1_B	AF35	IC8000	M_PDCE1_B
PARB_B	AH36	IC8000	M_PARB_B
PALE	AE34	IC8000	M_PALE
PACLE	AG37	IC8000	M_PACLE
PDWE_B	AG38	IC8000	M_PDWE_B
PDOE_B	AH37	IC8000	M_PDOE_B
EMMC_CLK	AL37	IC8000	M_EMMC_CLK
EMMC_RSTB	AK36	IC8000	M_EMMC_RSTB
DS	AJ32	IC8000	M_DS

UART

U1RX	AM37	IC8000	M_U1RX
U1TX	AM38	IC8000	M_U1TX

IIC

OSCL0	AT38	IC8000	M_OSCL0
OSDA0	AT37	IC8000	M_OSDA0
OSCL1	AN37	IC8000	M_OSCL1
OSDA1	AN38	IC8000	M_OSDA1
OSCL2	E18	IC8000	M_OSCL2
OSDA2	F18	IC8000	M_OSDA2

PWM

GPWM0	AP36	IC8000	M_GPWM0
GPWM1	AL30	IC8000	M_GPWM1
GPWM2	AP37	IC8000	M_GPWM2
GPIO84	AN35	IC8000	M_GPWM3
GPIO85	AL36	IC8000	M_GPWM4
GPIO125	AP34	IC8000	M_GPWM5
GPIO126	AL34	IC8000	M_GPWM6
GPIO127	AK35	IC8000	M_GPWM7
GPIO128	AK34	IC8000	M_GPWM8

LVDS / EPI / VB1

AE0P	AV33	IC8000	M_AE0P_P
AE0N	AU33	IC8000	M_AE0N_N
AE1P	AT32	IC8000	M_AE1P_P
AE1N	AR32	IC8000	M_AE1N_N
AE2P	AT31	IC8000	M_AE2P_P
AE2N	AR31	IC8000	M_AE2N_N
AE3P	AT34	IC8000	M_AE3P_P
AE3N	AR35	IC8000	M_AE3N_N
AE4P	AT29	IC8000	M_AE4P_P
AE4N	AR29	IC8000	M_AE4N_N
AECKP	AV31	IC8000	M_AECKP_P
AECKN	AU31	IC8000	M_AECKN_N
AO0P	AY37	IC8000	M_AO0P_P
AO0N	AW37	IC8000	M_AO0N_N
AO1P	AT36	IC8000	M_AO1P_P
AO1N	AR36	IC8000	M_AO1N_N
AO2P	AT35	IC8000	M_AO2P_P
AO2N	AR35	IC8000	M_AO2N_N
AO3P	AT34	IC8000	M_AO3P_P
AO3N	AR34	IC8000	M_AO3N_N
AO4P	AT33	IC8000	M_AO4P_P
AO4N	AR33	IC8000	M_AO4N_N
AOCKP	AV35	IC8000	M_AOCKP_P
AOCKN	AU35	IC8000	M_AOCKN_N
BE0P	AY25	IC8000	M_BE0P_P
BE0N	AU25	IC8000	M_BE0N_N
BE1P	AT24	IC8000	M_BE1P_P
BE1N	AR24	IC8000	M_BE1N_N
BE2P	AT25	IC8000	M_BE2P_P
BE2N	AR23	IC8000	M_BE2N_N
BE3P	AT23	IC8000	M_BE3P_P
BE3N	AR22	IC8000	M_BE3N_N
BE4P	AT21	IC8000	M_BE4P_P
BE4N	AR21	IC8000	M_BE4N_N
BECKP	AT20	IC8000	M_BECKP_P
BECKN	AU23	IC8000	M_BECKN_N
BO0P	AY29	IC8000	M_BO0P_P
BO0N	AU29	IC8000	M_BO0N_N
BO1P	AT28	IC8000	M_BO1P_P
BO1N	AR28	IC8000	M_BO1N_N
BO2P	AT27	IC8000	M_BO2P_P
BO2N	AR27	IC8000	M_BO2N_N
BO3P	AT26	IC8000	M_BO3P_P
BO3N	AR26	IC8000	M_BO3N_N
BO4P	AT25	IC8000	M_BO4P_P
BO4N	AR25	IC8000	M_BO4N_N
BOCKP	AY27	IC8000	M_BOCKP_P
BOCKN	AU27	IC8000	M_BOCKN_N
NEXT_VPLL	AY21	IC8000	M_NEXT_VPLL

HDMI Receiver

HDMI_0_RX_0	A20	IC8000	M_HDMI_0_RX_0_P
HDMI_0_RX_0B	B20	IC8000	M_HDMI_0_RX_0B_N
HDMI_0_RX_1	A19	IC8000	M_HDMI_0_RX_1_P
HDMI_0_RX_1B	B19	IC8000	M_HDMI_0_RX_1B_N
HDMI_0_RX_2	A18	IC8000	M_HDMI_0_RX_2_P
HDMI_0_RX_2B	B18	IC8000	M_HDMI_0_RX_2B_N
HDMI_0_RX_C	A21	IC8000	M_HDMI_0_RX_C_P
HDMI_0_RX_CB	B21	IC8000	M_HDMI_0_RX_CB_N
HDMI_1_RX_0	C23	IC8000	M_HDMI_1_RX_0_P
HDMI_1_RX_0B	D23	IC8000	M_HDMI_1_RX_0B_N
HDMI_1_RX_1	C22	IC8000	M_HDMI_1_RX_1_P
HDMI_1_RX_1B	D22	IC8000	M_HDMI_1_RX_1B_N
HDMI_1_RX_2	A22	IC8000	M_HDMI_1_RX_2_P
HDMI_1_RX_2B	B22	IC8000	M_HDMI_1_RX_2B_N
HDMI_1_RX_C	A24	IC8000	M_HDMI_1_RX_C_P
HDMI_1_RX_CB	B24	IC8000	M_HDMI_1_RX_CB_N
HDMI_2_RX_0	A26	IC8000	M_HDMI_2_RX_0_P
HDMI_2_RX_0B	B26	IC8000	M_HDMI_2_RX_0B_N
HDMI_2_RX_1	C25	IC8000	M_HDMI_2_RX_1_P
HDMI_2_RX_1B	D25	IC8000	M_HDMI_2_RX_1B_N
HDMI_2_RX_2	C24	IC8000	M_HDMI_2_RX_2_P
HDMI_2_RX_2B	D24	IC8000	M_HDMI_2_RX_2B_N
HDMI_2_RX_C	C26	IC8000	M_HDMI_2_RX_C_P
HDMI_2_RX_CB	D26	IC8000	M_HDMI_2_RX_CB_N
HDMI_3_RX_0	C28	IC8000	M_HDMI_3_RX_0_P
HDMI_3_RX_0B	D28	IC8000	M_HDMI_3_RX_0B_N
HDMI_3_RX_1	A28	IC8000	M_HDMI_3_RX_1_P
HDMI_3_RX_1B	B28	IC8000	M_HDMI_3_RX_1B_N
HDMI_3_RX_2	C27	IC8000	M_HDMI_3_RX_2_P
HDMI_3_RX_2B	D27	IC8000	M_HDMI_3_RX_2B_N
HDMI_3_RX_C	C29	IC8000	M_HDMI_3_RX_C_P
HDMI_3_RX_CB	D29	IC8000	M_HDMI_3_RX_CB_N

GPIO

C1_A0	C1	IC8000	M_C1_A0
C1_A2	B1	IC8000	M_C1_A2
C1_A1	C2	IC8000	M_C1_A1
C1_A3	C3	IC8000	M_C1_A3
C1_A4	B2	IC8000	M_C1_A4
C1_A5	A2	IC8000	M_C1_A5
C1_A6	A3	IC8000	M_C1_A6
C1_A7	B3	IC8000	M_C1_A7
C1_A8	E11	IC8000	M_C1_A8
C1_A9	E12	IC8000	M_C1_A9
C1_A10	D13	IC8000	M_C1_A10
C1_A11	D12	IC8000	M_C1_A11
C1_A12	A5	IC8000	M_C1_A12
C1_A13	C9	IC8000	M_C1_A13
C1_A14	C8	IC8000	M_C1_A14
C1_MCLK1	D11	IC8000	M_C1_MCLK1
C1_MIVAL	B6	IC8000	M_C1_MIVAL
C1_MISTRT	B8	IC8000	M_C1_MISTRT
C1_MD10	A8	IC8000	M_C1_MD10
C1_MD11	A7	IC8000	M_C1_MD11
C1_MD12	B7	IC8000	M_C1_MD12
C1_MD13	C7	IC8000	M_C1_MD13
C1_MD14	B5	IC8000	M_C1_MD14
C1_MD15	D12	IC8000	M_C1_MD15
C1_MD16	C5	IC8000	M_C1_MD16
C1_MD17	B4	IC8000	M_C1_MD17
C1_D0	F8	IC8000	M_C1_D0
C1_D1	E5	IC8000	M_C1_D1
C1_D2	D4	IC8000	M_C1_D2
C1_D3	F16	IC8000	M_C1_D3
C1_D4	E15	IC8000	M_C1_D4
C1_D5	E13	IC8000	M_C1_D5
C1_D6	C10	IC8000	M_C1_D6
C1_D7	E14	IC8000	M_C1_D7
C1_MD00	B6	IC8000	M_C1_MD00
C1_MD01	D5	IC8000	M_C1_MD01
C1_MD02	C4	IC8000	M_C1_MD02
C1_MD03	D15	IC8000	M_C1_MD03
C1_MD04	F14	IC8000	M_C1_MD04
C1_MD05	D10	IC8000	M_C1_MD05
C1_MD06	B9	IC8000	M_C1_MD06
C1_MD07	D14	IC8000	M_C1_MD07
GP1042	D3	IC8000	M_GP1042
GP1043	G16	IC8000	M_GP1043
GP1044	D17	IC8000	M_GP1044
GP1045	F5	IC8000	M_GP1045
GP1046	E4	IC8000	M_GP1046
GP1047	B3	IC8000	M_GP1047
GP1048	F4	IC8000	M_GP1048
GP1049	AK25	IC8000	M_GP1049
GP1050	AL27	IC8000	M_GP1050
GP1051	AM27	IC8000	M_GP1051
GP1052	AN27	IC8000	M_GP1052
GP1053	AN28	IC8000	M_GP1053
GP1054	AN26	IC8000	M_GP1054
GP1055	AL26	IC8000	M_GP1055
GP1056	AN37	IC8000	M_GP1056
GP1057	AU38	IC8000	M_GP1057
GP1058	AN36	IC8000	M_GP1058
GP1059	AN36	IC8000	M_GP1059
GP1060	AK37	IC8000	M_GP1060
GP1061	E10	IC8000	M_GP1061
GP1062	D9	IC8000	M_GP1062
GP1063	D6	IC8000	M_GP1063
GP1064	D6	IC8000	M_GP1064
GP1065	E8	IC8000	M_GP1065
GP1066	D8	IC8000	M_GP1066

Analog Video Input

RP	R38	IC8000	M_RP
GP	P37	IC8000	M_GP
BP	N37	IC8000	M_BP
COM	P36	IC8000	
PB0P	K36	IC8000	M_PB0P
PB1P	M36	IC8000	M_PB1P
PB0P	J37	IC8000	M_PB0P
PB1P	L38	IC8000	M_PB1P
YGP	L36	IC8000	M_YGP
YIP	M37	IC8000	M_YIP
COM0	K37	IC8000	M_COM0
COM1	M38	IC8000	M_COM1
CVBS_COM	J36	IC8000	M_CVBS_COM
SIF_COM	H37	IC8000	
CVBS0P	H38	IC8000	M_CVBS0P
CVBS1P	K34	IC8000	M_CVBS1P
CVBS2P	K35	IC8000	M_CVBS2P
CVBS3P	J38	IC8000	M_CVBS3P

Analog Vieo Output

VDACX_OUT	K33	IC8000	M_VDACX_OUT

Audio

AOBCK	AN31	IC8000	M_AOBCK
AOLRCK	AN30	IC8000	M_AOLRCK
AOWCLK	AP36	IC8000	M_AOWCLK
AOSDATA0	AN31	IC8000	M_AOSDATA0
AOSDATA1	AN30	IC8000	M_AOSDATA1
AOSDATA2	AL31	IC8000	M_AOSDATA2
AOSDATA3	AN33	IC8000	M_AOSDATA3
AOSDATA4	AN33	IC8000	M_AOSDATA4
ASPDIF0P	AN34	IC8000	M_ASPDIF0P
ASPDIF0I	Q27	IC8000	M_ASPDIF0I
ASPDIF1	AN38	IC8000	M_ASPDIF1

Audio Line in ADC

AIN_L0	D37	IC8000	M_AIN_L0
AIN_R0	B36	IC8000	M_AIN_R0
AIN_L1	C38	IC8000	M_AIN_L1
AIN_R1	A37	IC8000	M_AIN_R1
AIN_L2	B35	IC8000	M_AIN_L2
AIN_R2	B38	IC8000	M_AIN_R2
AIN_L3	C37	IC8000	M_AIN_L3
AIN_R3	D36	IC8000	M_AIN_R3
VMID_AADC	D38	IC8000	M_VMID_AADC

Audio DAC

AL0_ADAC	C35	IC8000	M_AL0_ADAC
AR0_ADAC	D36	IC8000	M_AR0_ADAC
AL1_ADAC	E36	IC8000	M_AL1_ADAC
AR1_ADAC	D35	IC8000	M_AR1_ADAC
AL2_ADAC	E35	IC8000	M_AL2_ADAC
AR2_ADAC	C36	IC8000	M_AR2_ADAC

Ethernet

TXVP_0	W37	IC8000	M_TXVP_0_P
TXVN_0	W38	IC8000	M_TXVN_0_N
RXVP_1	T37	IC8000	M_RXVP_1_P
RXVN_1	T38	IC8000	M_RXVN_1_N
REXT	Y38	IC8000	M_REXT

SDIO

SD_CMD	D2	IC8000	M_SD_CMD
SD_CLK	F3	IC8000	M_SD_CLK
SD_D0	E1	IC8000	M_SD_D0
SD_D1	E2	IC8000	M_SD_D1
SD_D2	E1	IC8000	M_SD_D2
SD_D3	F2	IC8000	M_SD_D3

CLK / Crystal

CPC0	U33	IC8000	M_CPC0
CPC1	Y33	IC8000	M_CPC1
CPC2	Y34	IC8000	M_CPC2

DEMOD

IF_AGC	B14	IC8000	M_IF_AGC
RF_AGC	C15	IC8000	M_RF_AGC
DEMOD_RST	C14	IC8000	M_DEMOD_RST
DEMOD_TSCLK	A14	IC8000	M_DEMOD_TSCLK
DEMOD_TSVAL	F20	IC8000	M_DEMOD_TSVAL
DEMOD_TSSYNC	D20	IC8000	M_DEMOD_TSSYNC
DEMOD_TSDATA0	D19	IC8000	M_DEMOD_TSDATA0
DEMOD_TSDATA1	F22	IC8000	M_DEMOD_TSDATA1
DEMOD_TSDATA2	G22	IC8000	M_DEMOD_TSDATA2
DEMOD_TSDATA3	H22	IC8000	M_DEMOD_TSDATA3
DEMOD_TSDATA4	H23	IC8000	M_DEMOD_TSDATA4
DEMOD_TSDATA5	G23	IC8000	M_DEMOD_TSDATA5
DEMOD_TSDATA6	F25	IC8000	M_DEMOD_TSDATA6
DEMOD_TSDATA7	F23	IC8000	M_DEMOD_TSDATA7
C1_TSCLK	C14	IC8000	M_C1_TSCLK
C1_TSVAL	A13	IC8000	M_C1_TSVAL
C1_TSSYNC	B13	IC8000	M_C1_TSSYNC
C1_TSDATA0	C13	IC8000	M_C1_TSDATA0
PVR_TSCLK	B12	IC8000	M_PVR_TSCLK
PVR_TSVAL	D16	IC8000	M_PVR_TSVAL
PVR_TSSYNC	E17	IC8000	M_PVR_TSSYNC
PVR_TSDATA0	F17	IC8000	M_PVR_TSDATA0
PVR_TSDATA1	G17	IC8000	M_PVR_TSDATA1
SPI_CLK	B11	IC8000	M_SPI_CLK
SPI_CLK1	C12	IC8000	M_SPI_CLK1
SPI_CLE	C11	IC8000	M_SPI_CLE
SPI_DATA	A11	IC8000	M_SPI_DATA
C1_INT	A10	IC8000	M_C1_INT
ADC1MN_DEMOD	F37	IC8000	M_ADC1MN_DEMOD_N
ADC1MP_DEMOD	F38	IC8000	M_ADC1MP_DEMOD_P

USB

USB_DP_P0	A16	IC8000	M_USB_DP_P0_P
USB_DN_P0	B16	IC8000	M_USB_DN_P0_N
USB_DP_P1	A17	IC8000	M_USB_DP_P1_P
USB_DN_P1	B17	IC8000	M_USB_DN_P1_N
USB_VRT_PG	B15	IC8000	M_USB_VRT_PG
SSUSB_XKP	B32	IC8000	M_SSUSB_XKP_P
SSUSB_XKN	A32	IC8000	M_SSUSB_XKN_N
SSUSB_TXP	B34	IC8000	M_SSUSB_TXP_P
SSUSB_TXN	A34	IC8000	M_SSUSB_TXN_N
SSUSB_VRT	A35	IC8000	M_SSUSB_VRT
USB_DP_P2	C31	IC8000	M_USB_DP_P2_P
USB_DN_P2	D31	IC8000	M_USB_DN_P2_N
USB_DP_P3	A37	IC8000	M_USB_DP_P3_P
USB_DN_P3	A38	IC8000	M_USB_DN_P3_N

NC

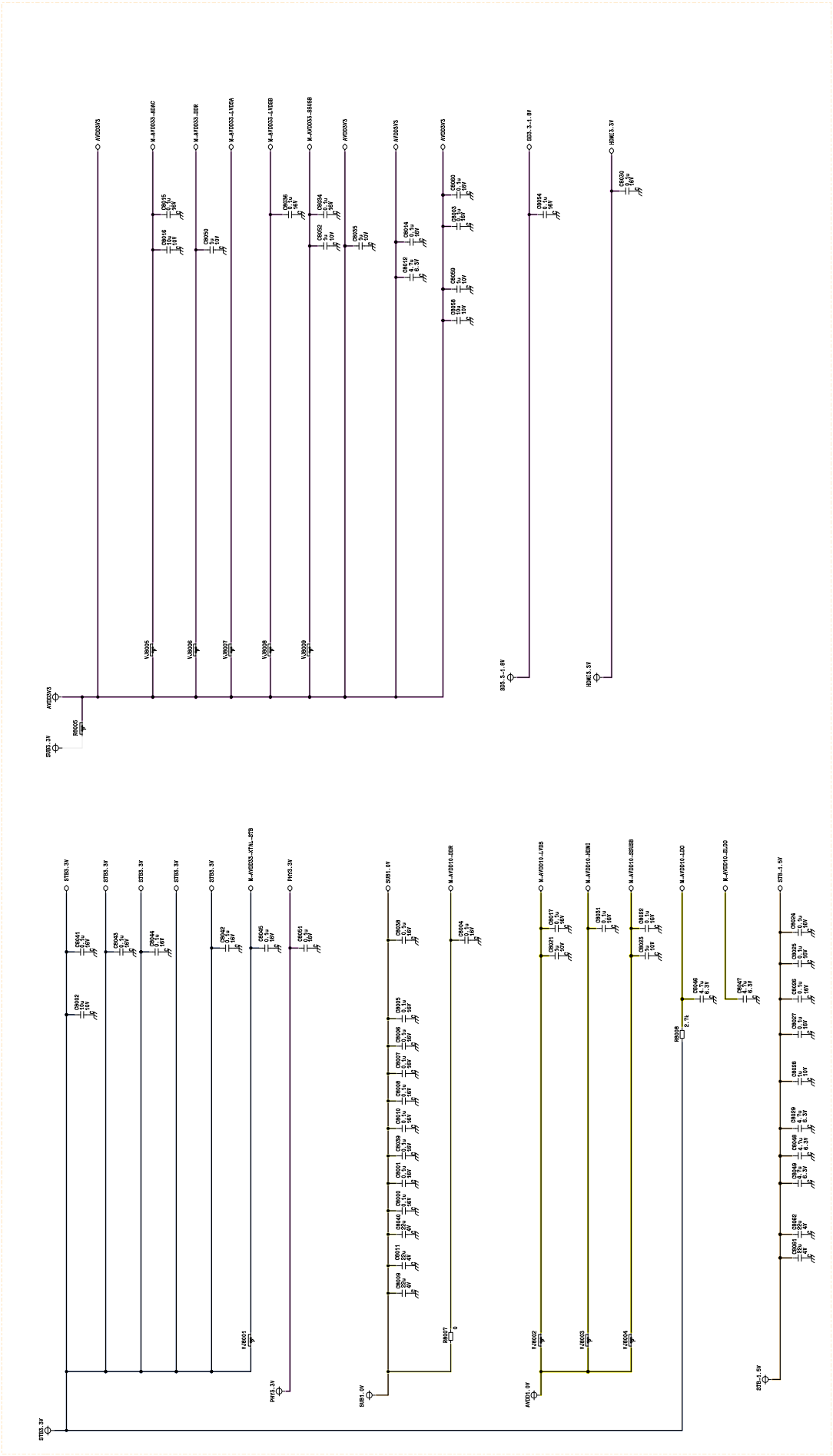
NC_A1	A1	IC8000	NC
NC_A38	A38	IC8000	NC
NC_AV1	AV1	IC8000	NC
NC_AV38	AV38	IC8000	NC

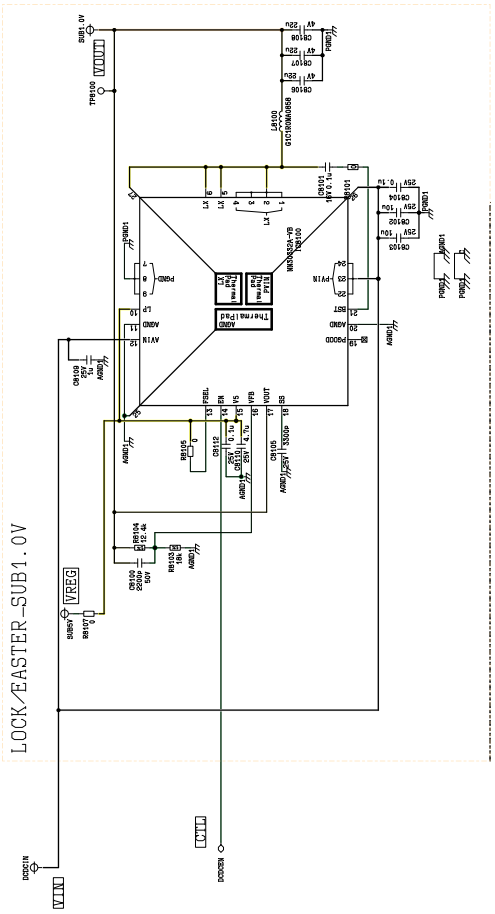
LOCK/EASTER DDR3 I/F CH-A

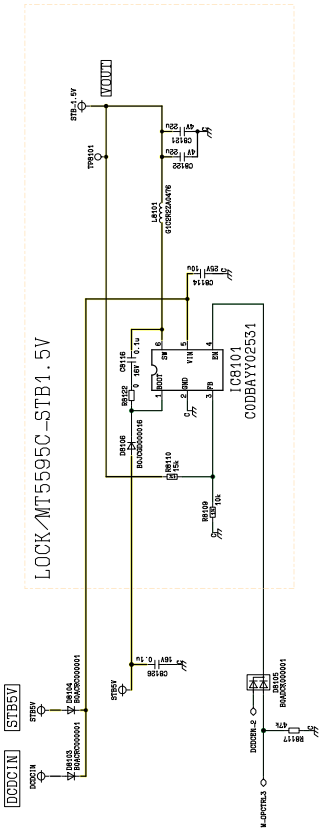
ARA0	AE4	IC8000	M_ARA0
ARA1	AD6	IC8000	M_ARA1
ARA2	AF7	IC8000	M_ARA2
ARA3	AF4	IC8000	M_ARA3
ARA4	AG5	IC8000	M_ARA4
ARA5	AG7	IC8000	M_ARA5
ARA6	AJ6	IC8000	M_ARA6
ARA7	AJ5	IC8000	M_ARA7
ARA8	AL4	IC8000	M_ARA8
ARA9	AH4	IC8000	M_ARA9
ARA10	AD7	IC8000	M_ARA10
ARA11	AN6	IC8000	M_ARA11
ARA12	AF6	IC8000	M_ARA12
ARA13	AK5	IC8000	M_ARA13
ARA14	AM4	IC8000	M_ARA14
ARBA0	AG6	IC8000	M_ARBA0
ARBA1	AE3	IC8000	M_ARBA1
ARBA2	AD6	IC8000	M_ARBA2
ARCAS#	AM6	IC8000	M_ARCAS#
ARRAS#	AN5	IC8000	M_ARRAS#
ARCKE	AA7	IC8000	M_ARCKE
ARWE#	AB7	IC8000	M_ARWE#
ARCS#	AB5	IC8000	M_ARCS#
ARCSD#	AB4	IC8000	M_ARCSD#
ARCLK0	T4	IC8000	M_ARCLK0
ARCLK0#	Y5	IC8000	M_ARCLK0#
ARDQ0	Y8	IC8000	M_ARDQ0
ARDQ1	AB2	IC8000	M_ARDQ1
ARDQ2	Y1	IC8000	M_ARDQ2
ARDQ3	AG3	IC8000	M_ARDQ3
ARDQ4	W1	IC8000	M_ARDQ4
ARDQ5	AH3	IC8000	M_ARDQ5
ARDQ6	W2	IC8000	M_ARDQ6
ARDQ7	AH2	IC8000	M_ARDQ7
ARDQ8	AF1	IC8000	M_ARDQ8
ARDQ9	AB3	IC8000	M_ARDQ9
ARDQ10	AG1	IC8000	M_ARDQ10
ARDQ11	Y3	IC8000	M_ARDQ11
ARDQ12	AF2	IC8000	M_ARDQ12
ARDQ13	AB2	IC8000	M_ARDQ13
ARDQ14	AF3	IC8000	M_ARDQ14
ARDQ15	AB1	IC8000	M_ARDQ15
ARDQ16	AK2	IC8000	M_ARDQ16
ARDQ17	AT2	IC8000	M_ARDQ17
ARDQ18	AK1	IC8000	M_ARDQ18
ARDQ19	AD1	IC8000	M_ARDQ19
ARDQ20	AJ1	IC8000	M_ARDQ20
ARDQ21	AU2	IC8000	M_ARDQ21
ARDQ22	AJ3	IC8000	M_ARDQ22
ARDQ23	AR4	IC8000	M_ARDQ23
ARDQ24	AR2	IC8000	M_ARDQ24
ARDQ25	AL2	IC8000	M_ARDQ25
ARDQ26	AT1	IC8000	M_ARDQ26
ARDQ27	AK3	IC8000	M_ARDQ27
ARDQ28	AP3	IC8000	M_ARDQ28
ARDQ29	AL3	IC8000	M_ARDQ29
ARDQ30	AK3	IC8000	M_ARDQ30
ARDQ31	AM2	IC8000	M_ARDQ31
ARDQM0	AD1	IC8000	ARDQM0
ARDQM1	AC3	IC8000	ARDQM1
ARDQM2	AR2	IC8000	ARDQM2
ARDQM3	AM1	IC8000	ARDQM3
ARDQS0	AC1	IC8000	ARDQS0
ARDQS0#	AC2	IC8000	ARDQS0#
ARDQS1	AD2	IC8000	ARDQS1
ARDQS1#	AE2	IC8000	ARDQS1#
ARDQS2	AM5	IC8000	ARDQS2
ARDQS2#	AN1	IC8000	ARDQS2#
ARDQS3	AP1	IC8000	ARDQS3
ARDQS3#	AP2	IC8000	ARDQS3#
ARODT	AB6	IC8000	ARODT
ARRESET#	AK4	IC8000	ARRESET#
ARTP	Y10	IC8000	ARTP
ARTN	W10	IC8000	ARTN
DDRVREF_A1	V1	IC8000	DDRVREF_A1
DDRVREF_A2	AJ2	IC8000	DDRVREF_A2

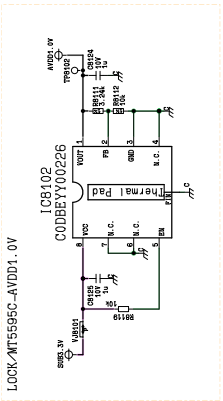
LOCK/EASTER DDR3 I/F CH-B

BRA0	AF18	IC8000	M_BRA0
BRA1	AP15	IC8000	M_BRA1
BRA2	AN14	IC8000	M_BRA2
BRA3	AP13	IC8000	M_BRA3
BRA4	AR15	IC8000	M_BRA4
BRA5	AP14	IC8000	M_BRA5
BRA6	AR17	IC8000	M_BRA6
BRA7	AN18	IC8000	M_BRA7
BRA8	AP18	IC8000	M_BRA8
BRA9	AP16	IC8000	M_BRA9
BRA10	AR10	IC8000	M_BRA10
BRA11	AN12	IC8000	M_BRA11
BRA12	AR13	IC8000	M_BRA12
BRA13	AR17	IC8000	M_BRA13
BRA14	AN16	IC8000	M_BRA14
BRA15	AP11	IC8000	M_BRA15
BRBA1	AN13	IC8000	M_BRBA1
BRBA2	AP19	IC8000	M_BRBA2
BRCAS#	AP7	IC8000	M_BRCAS#
BRRAS#	AR7	IC8000	M_BRRAS#
BRCKE	AN9	IC8000	M_BRCKE
BRWE#	AP10	IC8000	M_BRWE#
BRCS#	AP9	IC8000	M_BRCS#
BRCSD#	AR10	IC8000	M_BRCSD#
BRCLK0	AP6	IC8000	M_BRCLK0
BRCLK0#	AR6	IC8000	M_BRCLK0#
BRDQ0	AU4	IC8000	M_BRDQ0
BRDQ1	AT10	IC8000	M_BRDQ1
BRDQ2	AU5	IC8000	M_BRDQ2
BRDQ3	AU10	IC8000	M_BRDQ3
BRDQ4	AT3	IC8000	M_BRDQ4
BRDQ5	AU11	IC8000	M_BRDQ5
BRDQ6	AY3	IC8000	M_BRDQ6
BRDQ7	AT11	IC8000	M_BRDQ7
BRDQ8	AT9	IC8000	M_BRDQ8
BRDQ9	AU5	IC8000	M_BRDQ9
BRDQ10	AU9	IC8000	M_BRDQ10
BRDQ11	A


SHEET 701
LOCK_EASTER-POWER
CRNo:800 - 809
LOCK/EASTER



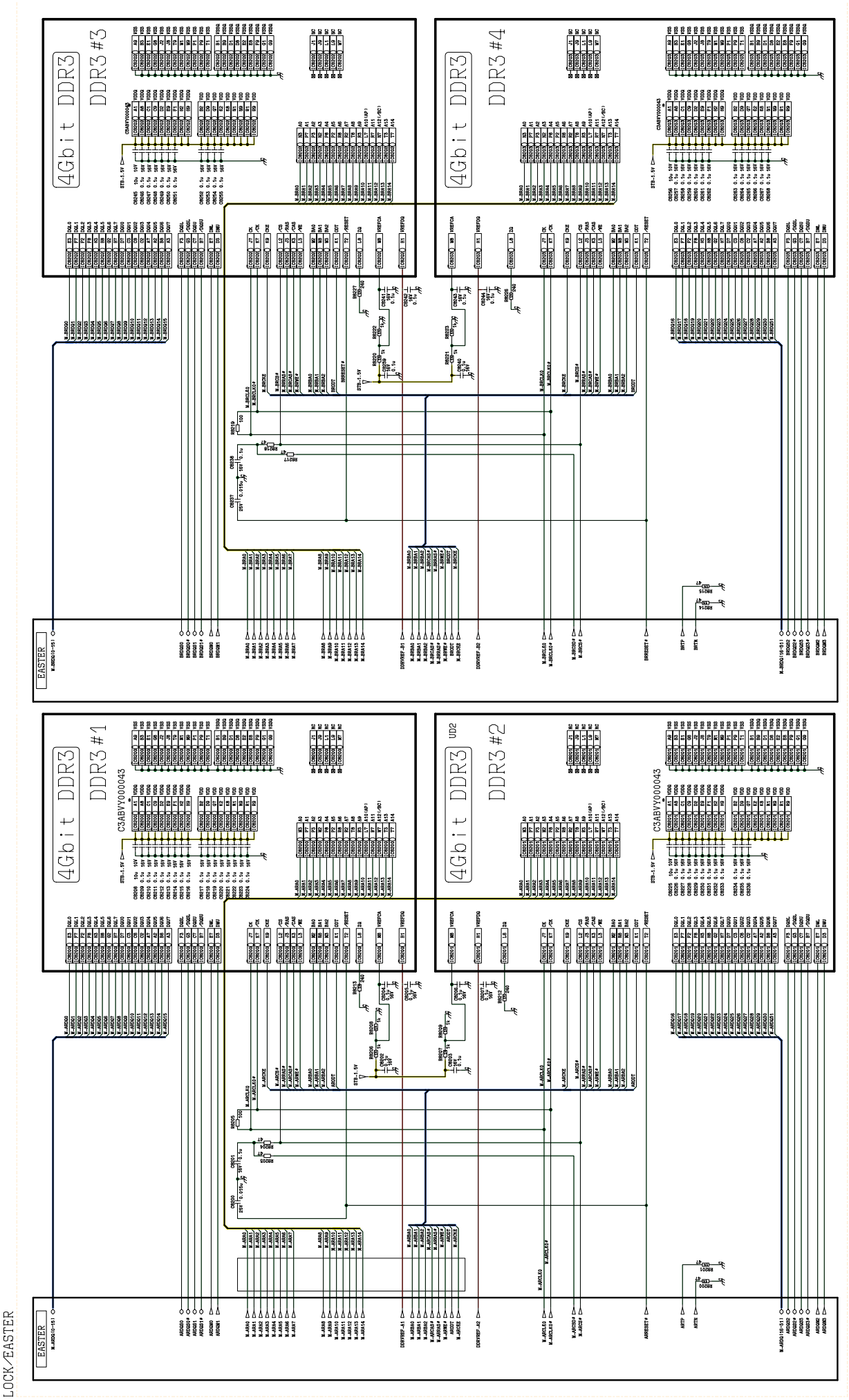




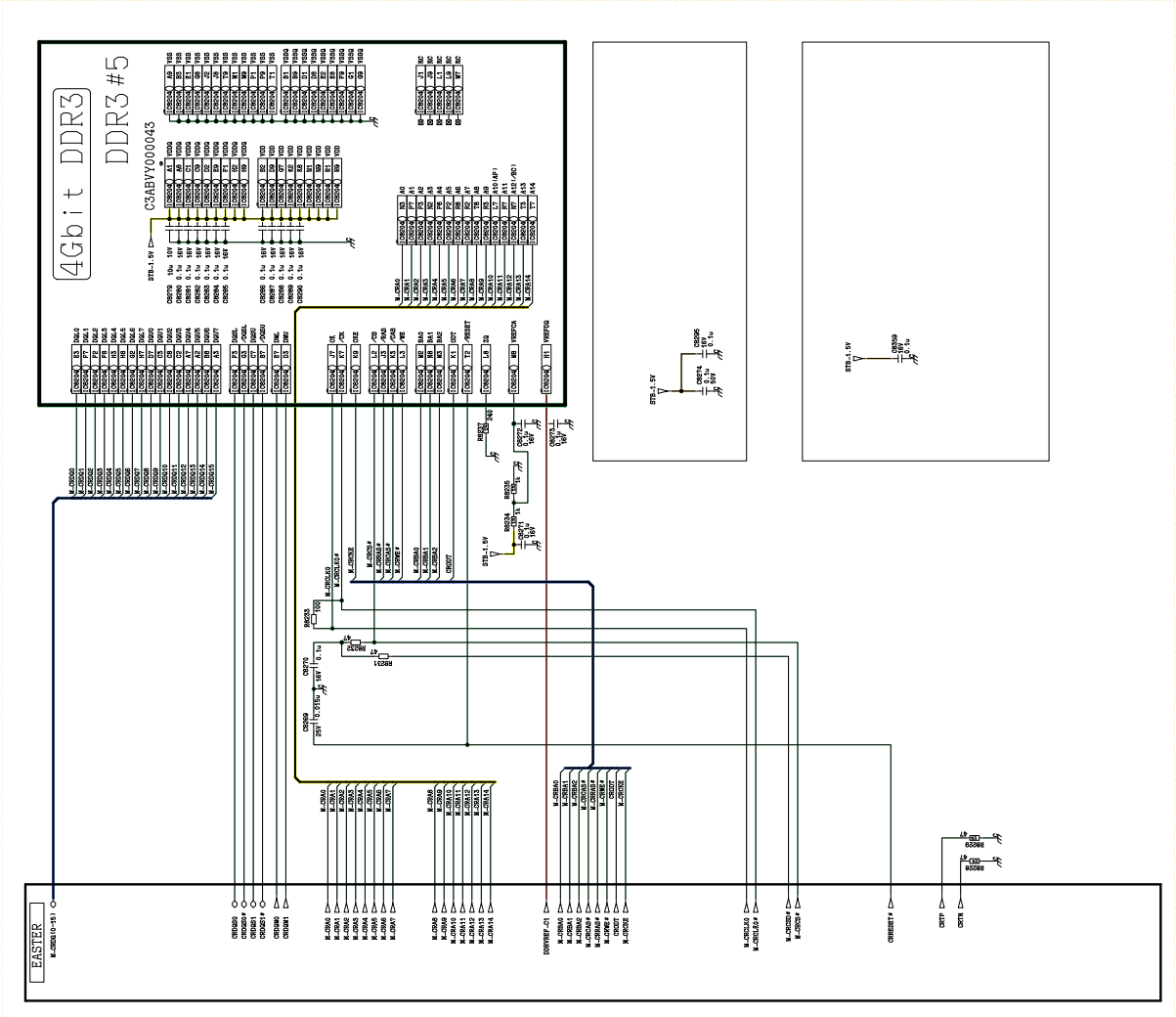
SHEET 702

LOCK_EASTER-DCDC

CRNo:8100 - 8199


4Gbit DDR3
DDR3 #3
4Gbit DDR3
DDR3 #4
4Gbit DDR3
DDR3 #1
C3ABVY000043
4Gbit DDR3
UD2
DDR3 #2
C3ABVY000043
EASTER
EASTER

LOCK/EASTER

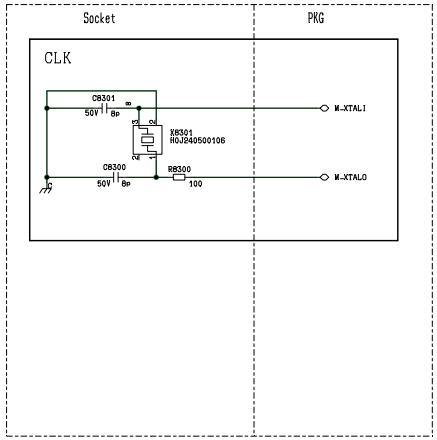


SHEET 703

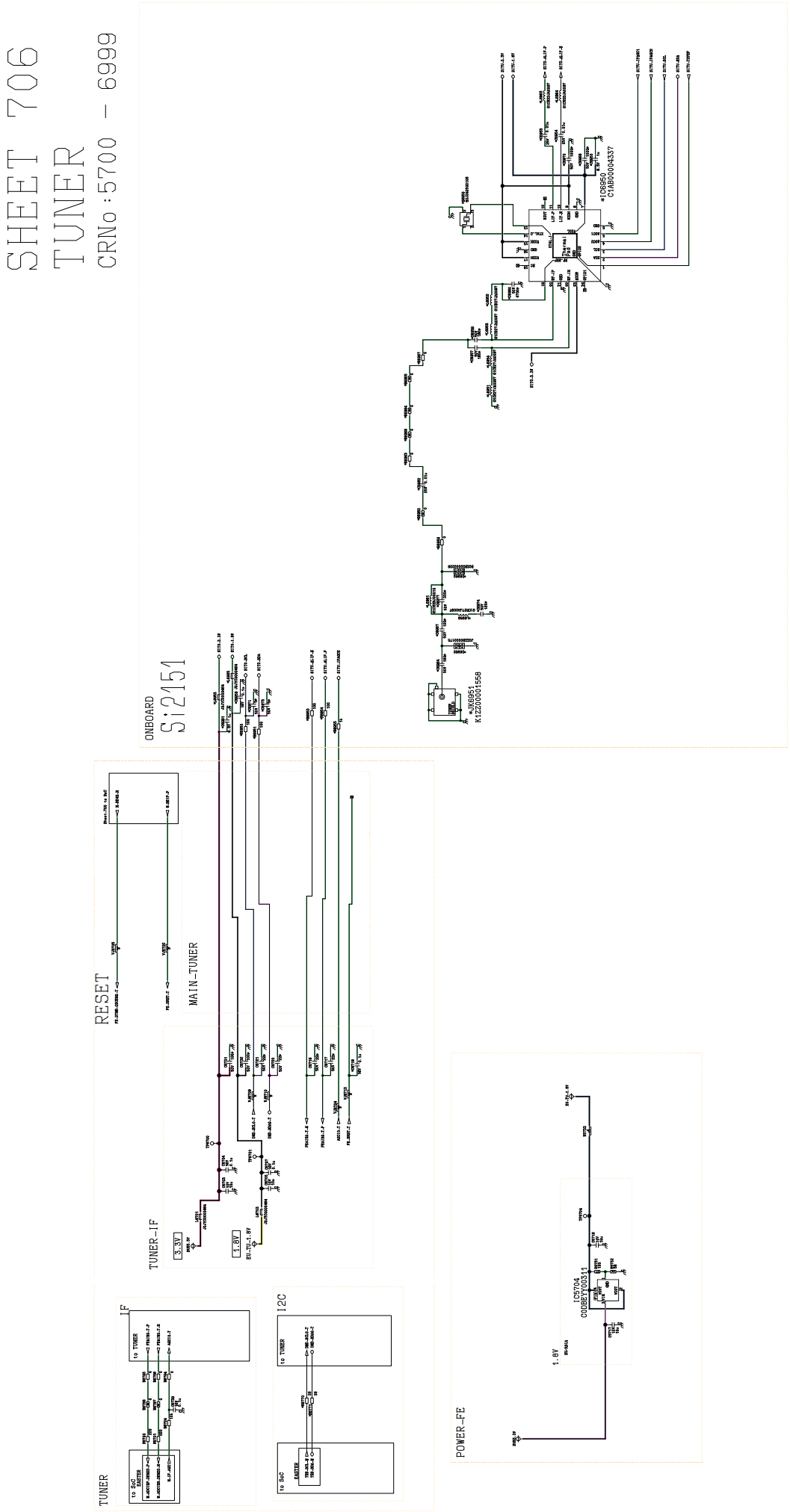
LOCK_EASTER-DDR3

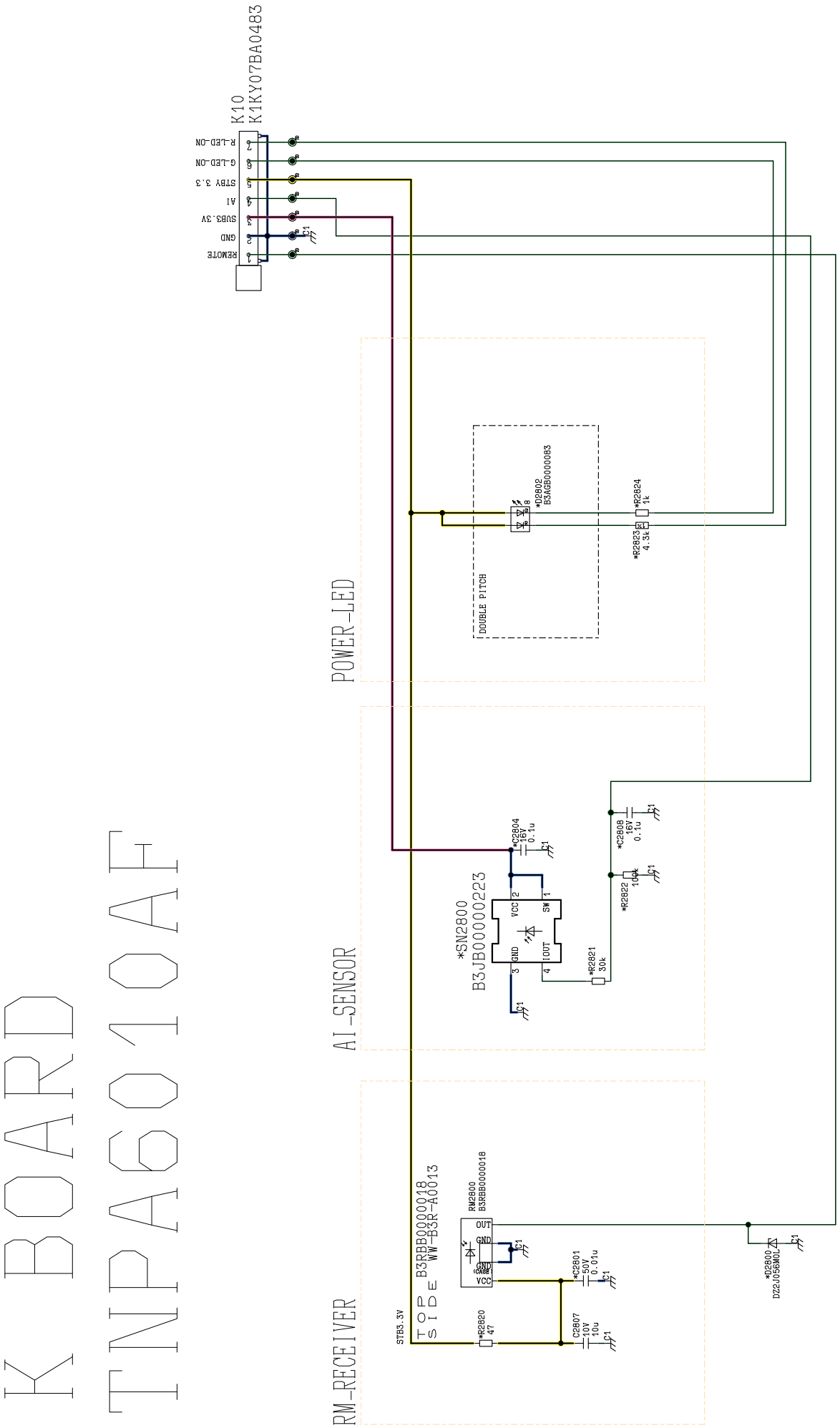
CRNo.8200 - 8299 / 8350 - 8399

LOCK/EASTER

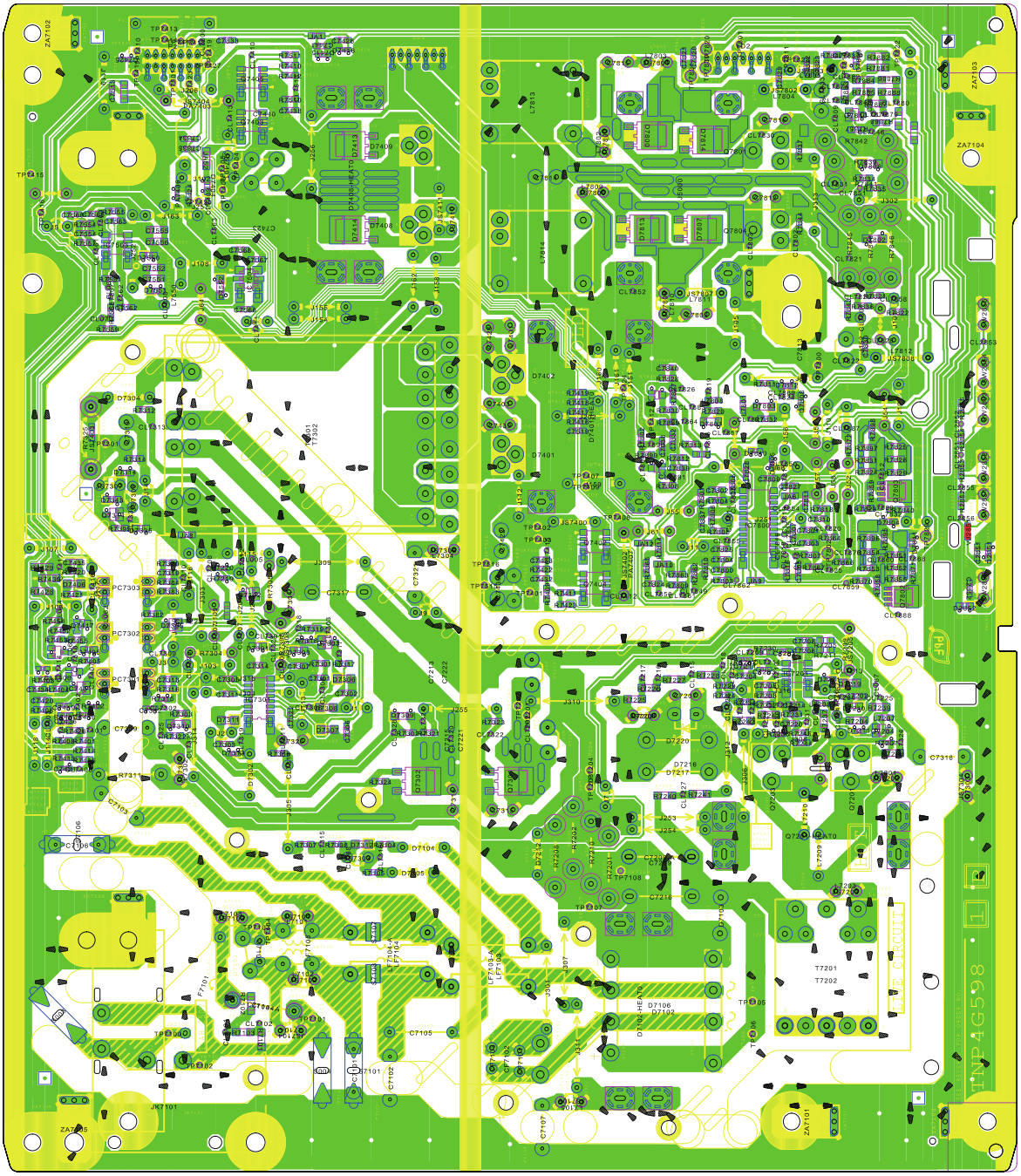


SHEET 704
LOCK_EASTER-DEST
CRNo:8300 - 8349

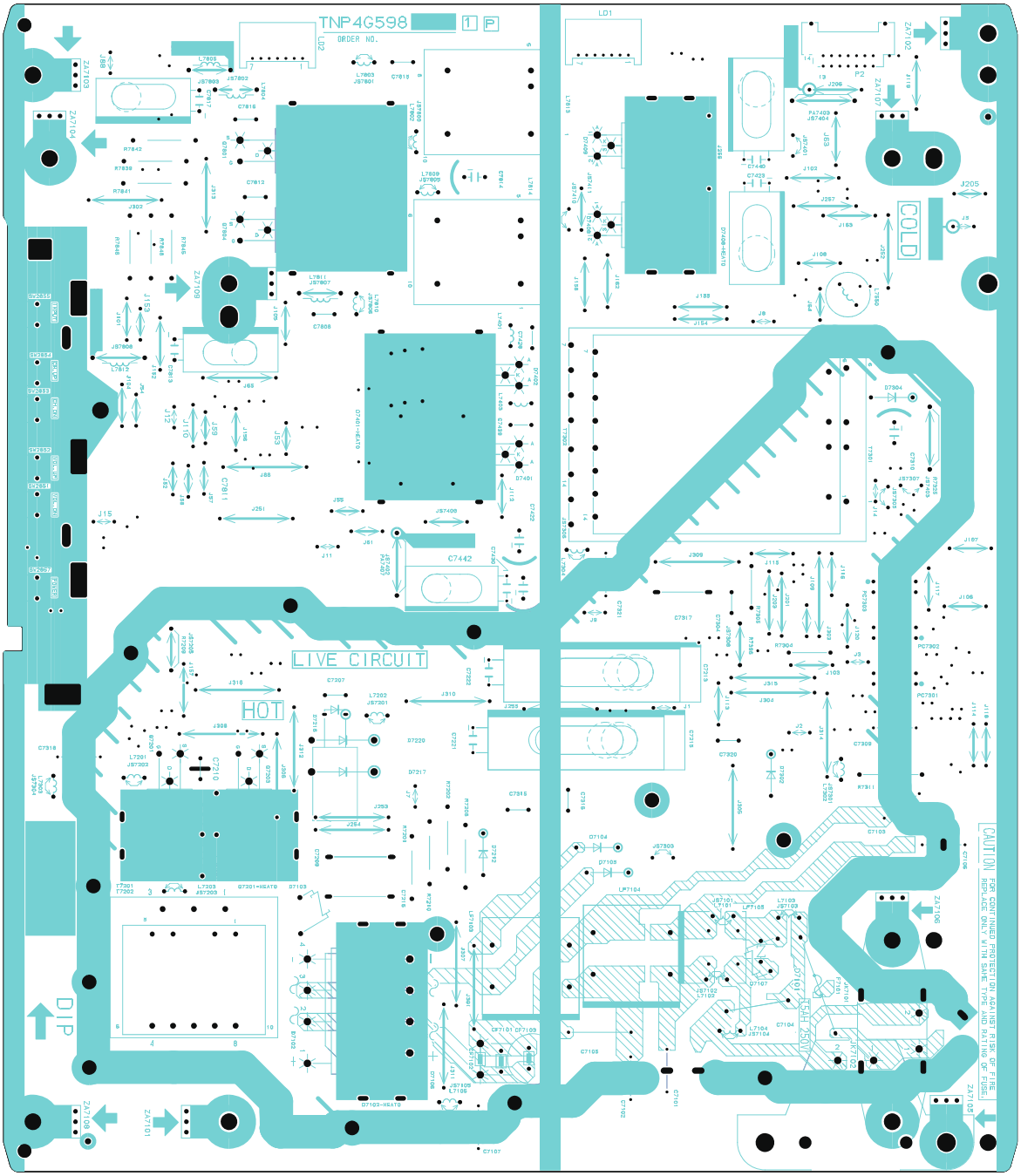

SHEET 706
TUNER
CRNo:5700 - 6999
ONBOARD
SI2151
RESET
MAIN-TUNER
TUNER-IF
TUNER
IF
I2C
POWER-FE
3.3V
1.8V
1.8V
IC5704
C0DBEYY00311
*IC6950
C1AB00004337
*XK691
XTZZ00001558


K BOARD
TNPA6010AF
RM-RECEIVER
AI-SENSOR
POWER-LED
K10
K1KY07BA0483
REMOTE
GND
SUB3.3V
AI
STBY 3.3
G-LED-ON
R-LED-ON
DOUBLE PITCH
*D2802
B3AGB0000083
*R2824
1k
*R2823
4.3k
*C2804
16V
0.1u
*SN2800
B3JB00000223
VCC
SW
GND
IOUT
*C2809
16V
0.1u
*R2822
100k
*R2821
30k
RM2800
B3RBB0000018
OUT
GND
VCC
TOP SIDE
B3RBB0000018
WW-B3R-A0013
STB3.3V
*R2820
47
C2807
10V
10u
*C2801
50V
0.01u
*D2800
D2JU056W0L
C1

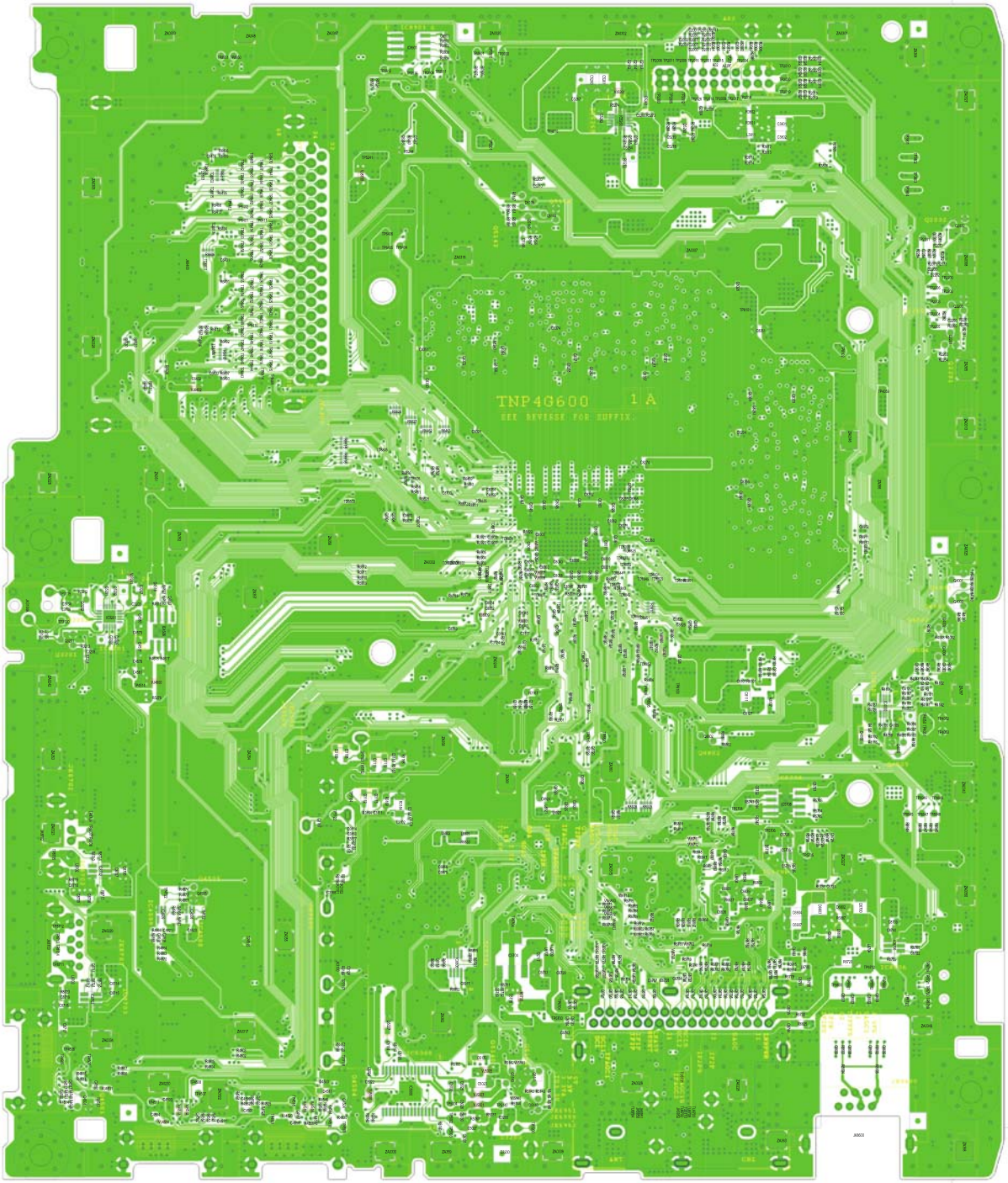
Model No. : TH-49DX650R P-Board (Foil Side)



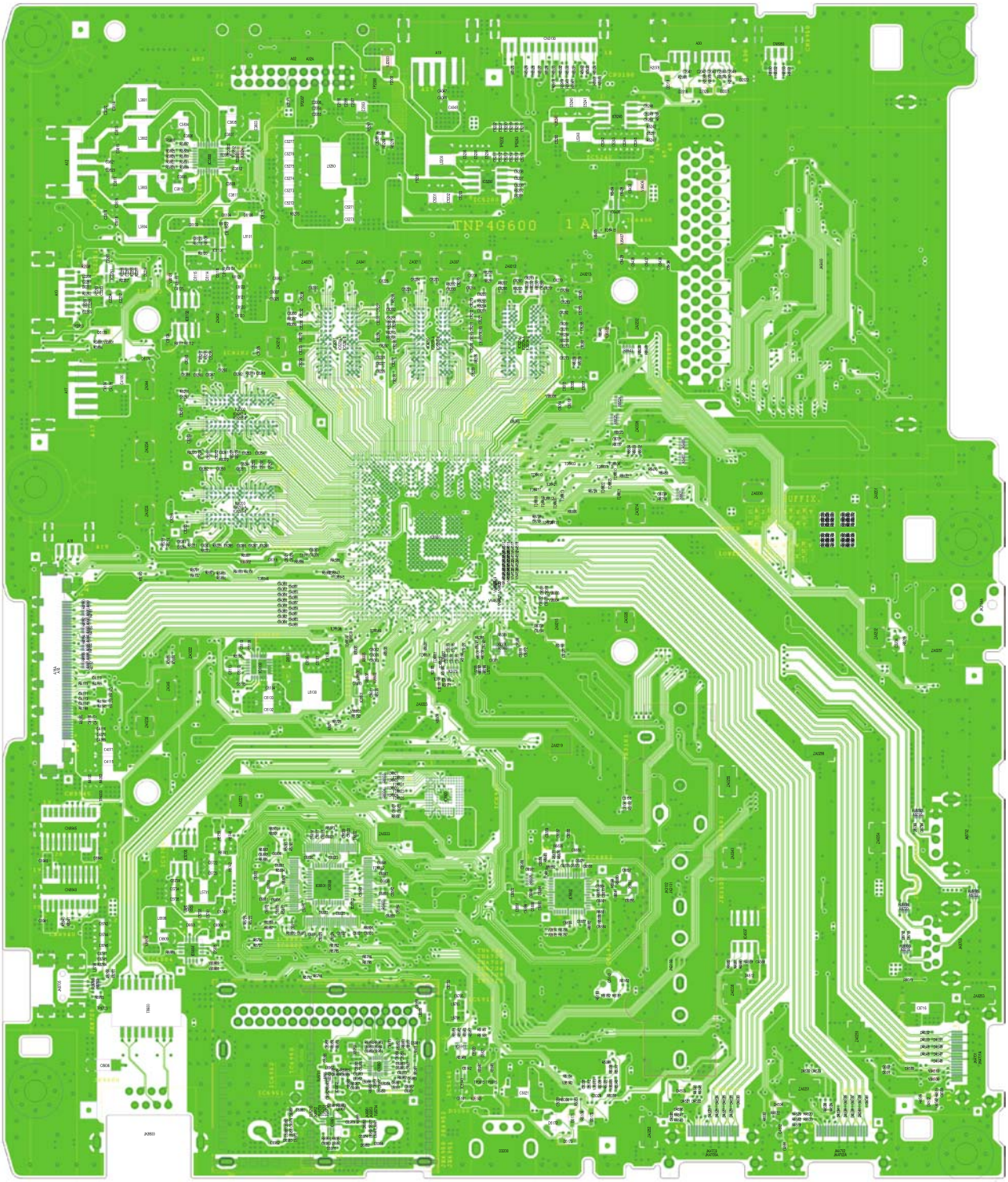
Model No. : TH-49DX650R P-Board (Component Side)

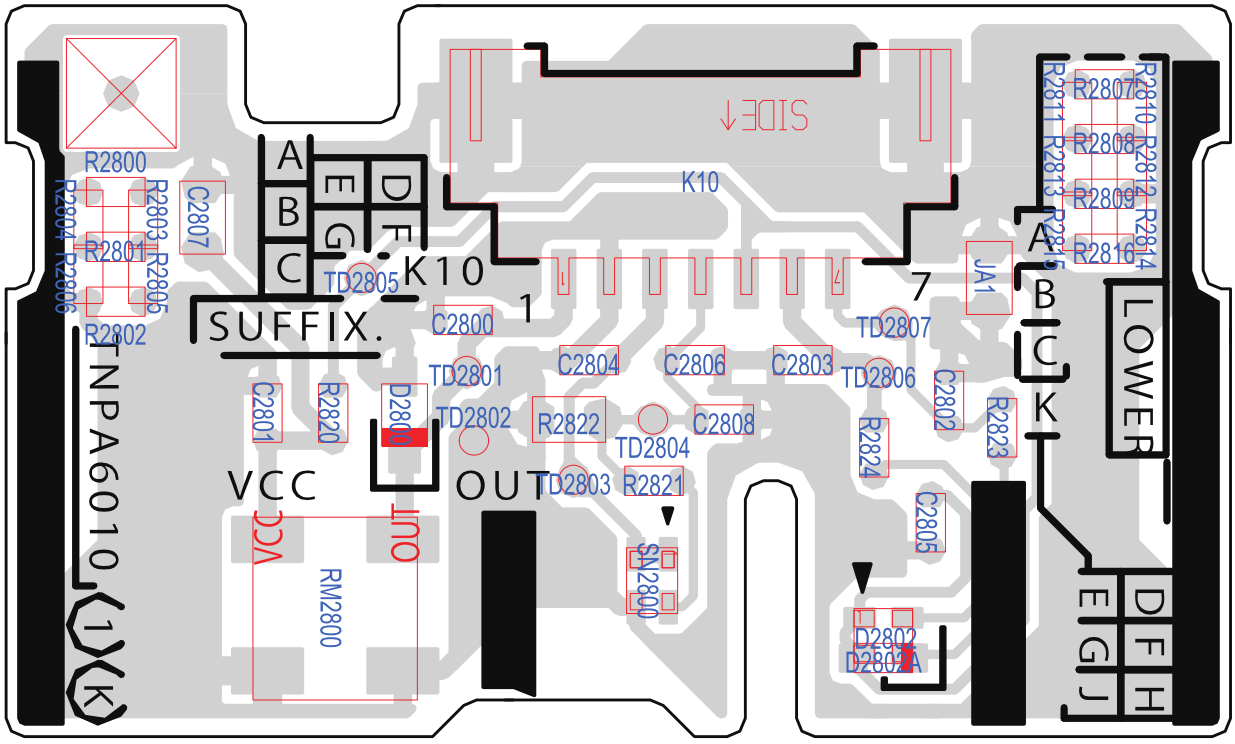


Model No. : TH-49DX650R A-Board (Foil Side)

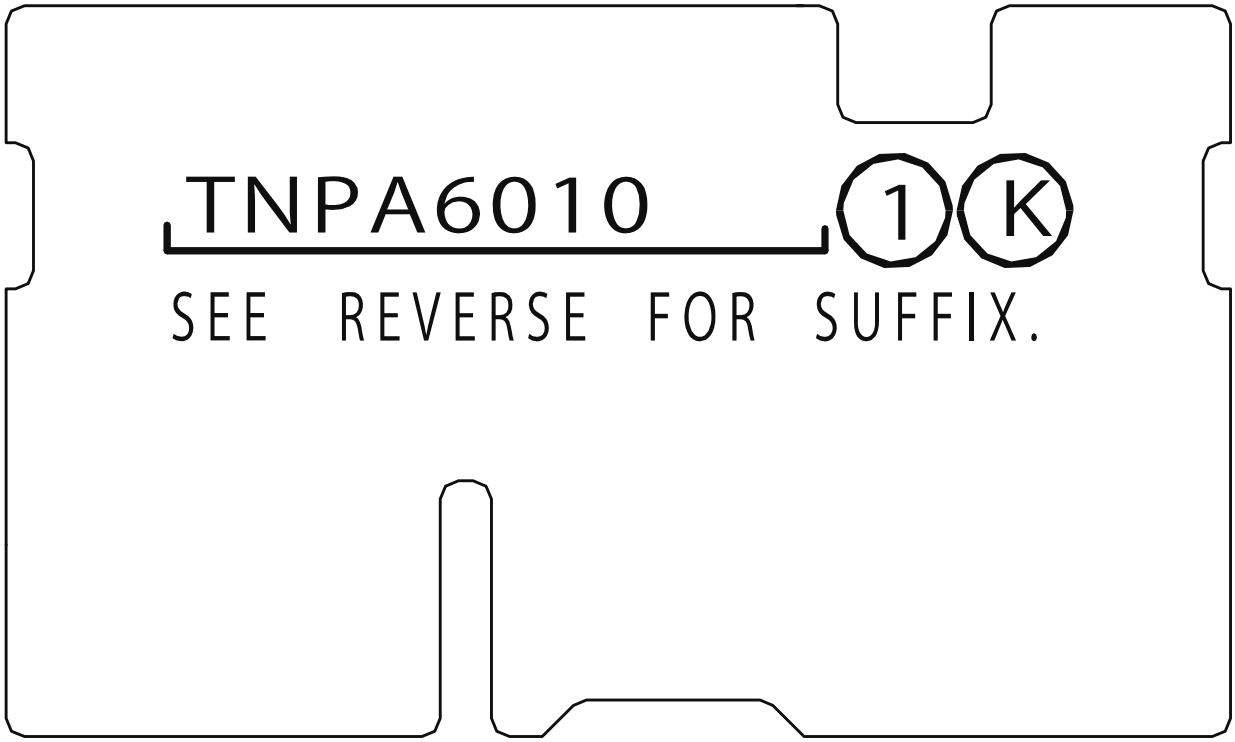


Model No. : TH-49DX650R A-Board (Component Side)





(FOIL SIDE)



(COMPONENT SIDE)

Model No. : TH-49DX650R Parts Location

CABINET ASSY

LED PANEL 9

K-PCB 18

VESA METAL

20 PANEL

22 A PCB

10 SIDE AV BRACKET

BACKCOVER 23

LED PANEL CASE

3 SPEAKER

BOTTOM BACK COVER

KEY BUTTON BRACKET 8

BOTTOM METAL

6 STAND METAL

P-PCB BARRIER

WIFI MODULE ⚠ 5

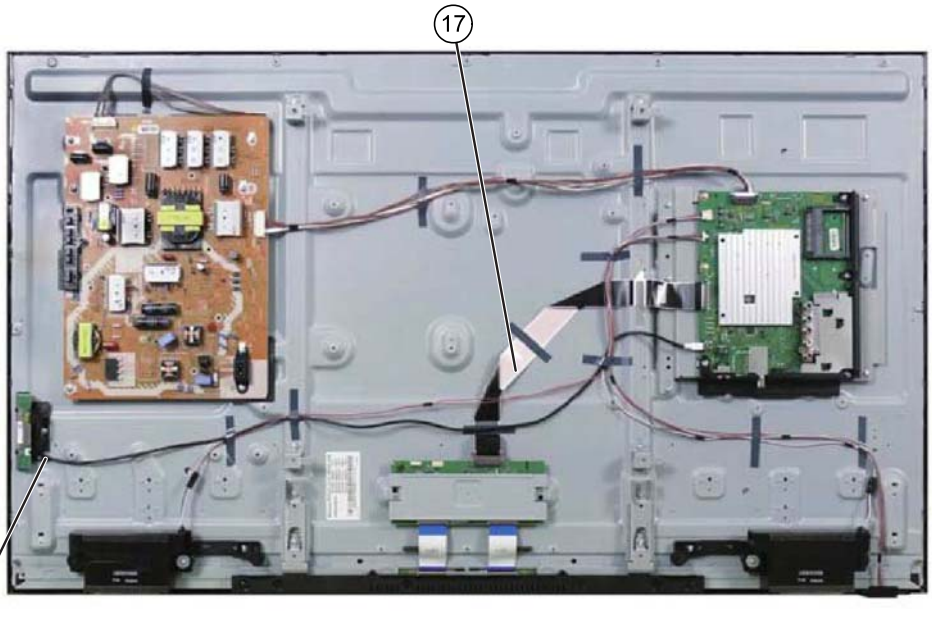
WIFI BRACKET

21 P-PCB

3 SPEAKER

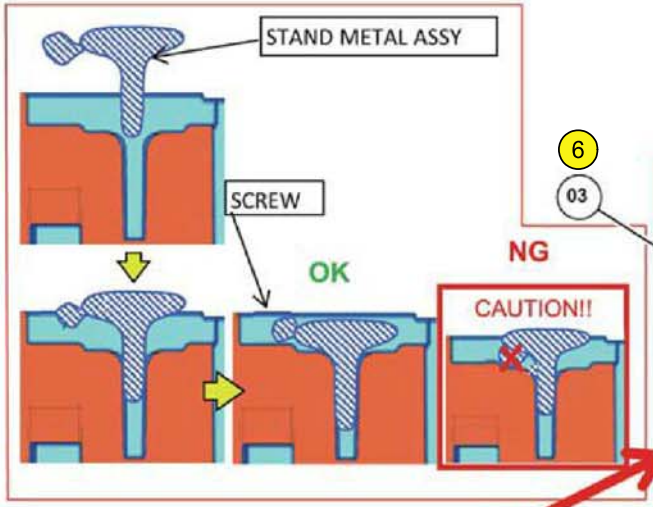
⚠ 7 NAME PLATE

19 PEDESTAL

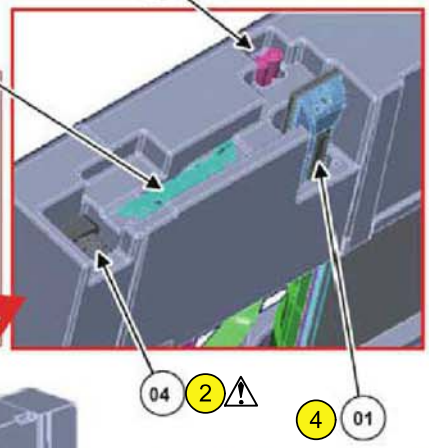


ASSEMBLY CONTENTS :

1. Follow all the sequence and arrangement for place accessories.
2. There are several item need to special arrangement position like fanbag and remote.

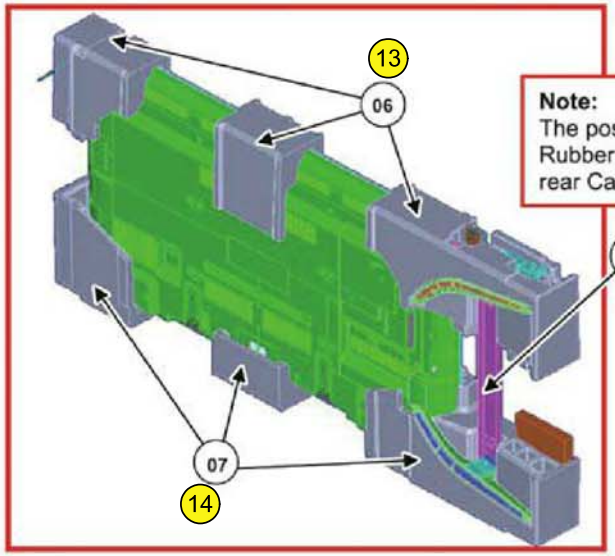


[Caution]
Make sure (+ve) side at top position



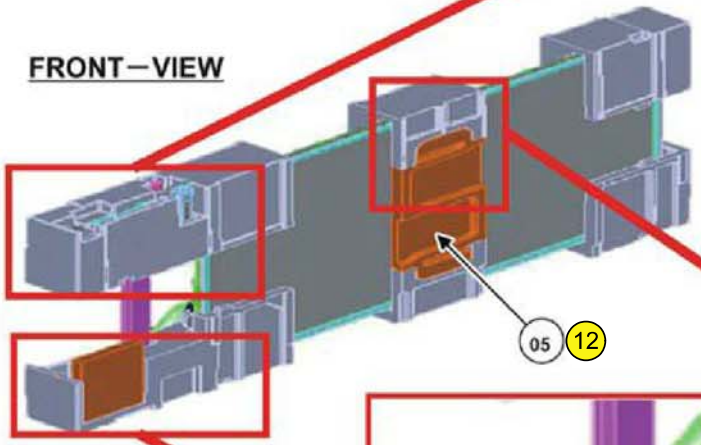
No.	Description	Qty	UOM	Remarks
01	REMOTE TRANSMITTER	1	PC	
02	BATTERY	1	PC	
03	STAND METAL ASS'Y	1	PC	
04	AC CORD	1	PC	
05	CUSHION FRONT	1	PC	
06	CUSHION TOP	1	PC	
07	CUSHION BOTTOM	1	PC	
08	FAN BAG ASSY	1	PC	
09	PEDESTAL ASS'Y	1	PC	
10	PP TAPE	0.1	MT	

REAR—VIEW

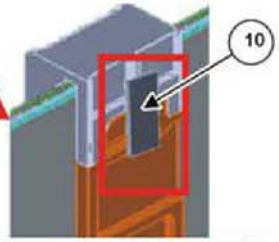


Note:
The position of Rubber foot is facing rear Carton

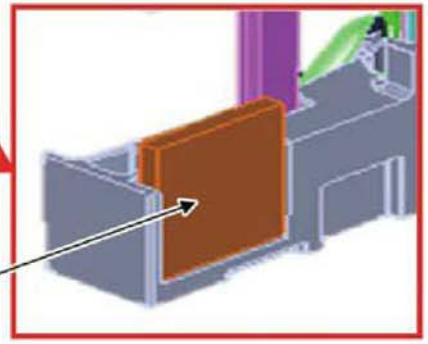
FRONT—VIEW



[Caution]
Make sure LED position facing top



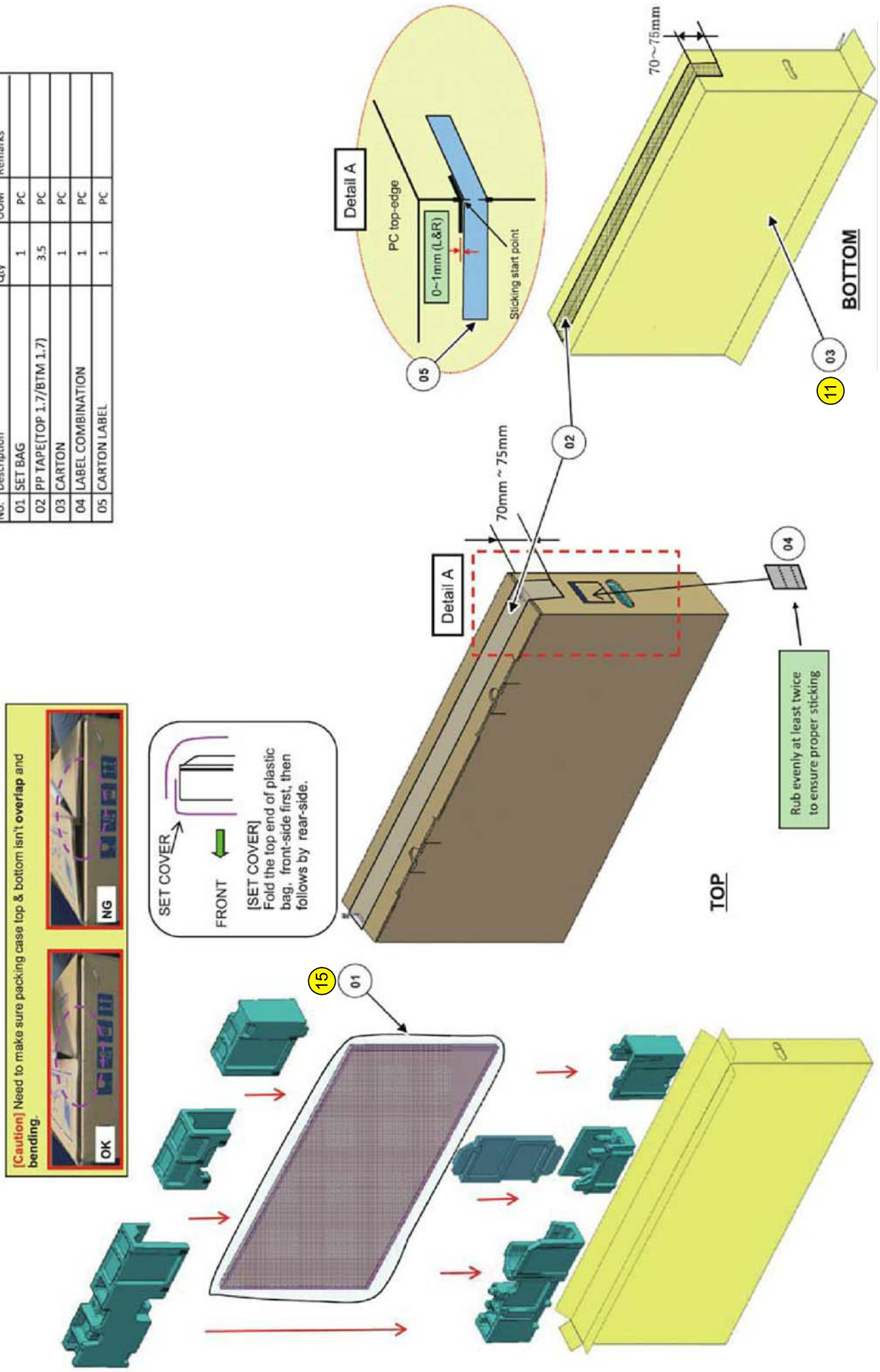
Adding PP tape 100mm between Center Top Cushion and Front Cushion



ASSEMBLY CONTENTS :

1. Follow all the sequence and arrangement for placing the TOP, BOTTOM and FRONT CUSHION.

No.	Description	Qty	UOM	Remarks
01	SET BAG	1	PC	
02	PP TAPE(TOP 1.7/BTM 1.7)	3.5	PC	
03	CARTON	1	PC	
04	LABEL COMBINATION	1	PC	
05	CARTON LABEL	1	PC	



Model No. : TH-49DX650R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		A02A	K1KY16BA0484	CONNECTOR		
		A10	K1KY07BA0483	CONNECTOR		
		A12	K1KY04BA0387	CONNECTOR		
		A16A	K1MY51B00007	CONNECTOR		
		C2000	F1G1H102A830	C 1000PF, 50V		
		C2001	F1G1E103A144	C 0.01UF, 25V		
		C2002	F1G1E103A144	C 0.01UF, 25V		
		C2003	F1K1V106A010	C 10UF, 35V		
		C2004	F1G1H102A830	C 1000PF, 50V		
		C2005	F1G1H102A830	C 1000PF, 50V		
		C2006	F1G1C104A146	C 0.1UF, 16V		
		C2007	F1G1H102A830	C 1000PF, 50V		
		C2010	F1G1H102A830	C 1000PF, 50V		
		C2011	F1G1H102A830	C 1000PF, 50V		
		C2021	F1G1H221A834	C 220PF, 50V		
		C2022	F1G1H221A834	C 220PF, 50V		
		C2023	F1G1H221A834	C 220PF, 50V		
		C2024	F1G1H221A834	C 220PF, 50V		
		C2056	F1G1E103A144	C 0.01UF, 25V		
		C2118	F1G1H102A830	C 1000PF, 50V		
		C2253	F1G1A105A047	C 1UF, 10V		
		C2257	F1G1E103A144	C 0.01UF, 25V		
		C2258	F1G1E103A144	C 0.01UF, 25V		
		C2801	F1H1H103B047	C 0.01UF, 50V		
		C2804	F1H1C104A178	C 0.1UF, 16V		
		C2807	F1J1A106A043	C 10UF, 10V		
		C2808	F1H1C104A178	C 0.1UF, 16V		
		C2851	F1J1H104A902	C 0.1UF, 50V		
		C2852	F1J1H104A902	C 0.1UF, 50V		
		C3109	F1G1H100A963	C 10PF, 50V		
		C3110	F1G1H100A963	C 10PF, 50V		
		C3111	F1G1H100A963	C 10PF, 50V		
		C3112	F1G1H152A946	C 1500PF, 50V		
		C3113	F1G1C103A173	C 0.01UF, 16V		
		C3114	F1G1C103A173	C 0.01UF, 16V		
		C3115	F1G1C103A173	C 0.01UF, 16V		
		C3116	F1G1C103A173	C 0.01UF, 16V		
		C3117	F1G1A105A047	C 1UF, 10V		
		C3124	F1G1A105A047	C 1UF, 10V		
		C3125	F1G1A105A047	C 1UF, 10V		
		C3127	F1G1A473A079	C 0.047UF, 10V		
		C3128	F1G1H471A834	C 470PF, 50V		
		C3129	F1G1H471A834	C 470PF, 50V		
		C3163	F1G1H101A948	C 100PF, 50V		
		C3164	F1G1H101A948	C 100PF, 50V		
		C3166	F1G1H100A963	C 10PF, 50V		
		C3167	F1G1H100A963	C 10PF, 50V		
		C3168	F1G1H100A963	C 10PF, 50V		
		C3200	F1G1C104A146	C 0.1UF, 16V		
		C3801	F1K1E106A167	C 10UF, 25V		
		C3802	F1K1E106A167	C 10UF, 25V		
		C3803	F1K1E106A167	C 10UF, 25V		
		C3806	F1J1E105A287	C 1UF, 25V		
		C3807	F1J1E105A287	C 1UF, 25V		
		C3808	F1J1E105A287	C 1UF, 25V		
		C3809	F1J1E105A287	C 1UF, 25V		
		C3812	F1H1E105A153	C 1UF, 25V		
		C3813	F1J1E224A272	C 0.22UF, 25V		
		C3814	F1H1E104A161	C 0.1UF, 25V		
		C3815	F1H1E104A161	C 0.1UF, 25V		
		C3816	F1J1E224A272	C 0.22UF, 25V		
		C3817	F1H1E104A161	C 0.1UF, 25V		
		C3818	F1H1E104A161	C 0.1UF, 25V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C4050	F1G1C104A146	C 0.1UF, 16V		
		C4051	F1G1C104A146	C 0.1UF, 16V		
		C4052	F1G1C104A146	C 0.1UF, 16V		
		C4053	F1G1C104A146	C 0.1UF, 16V		
		C4054	F1G1C104A146	C 0.1UF, 16V		
		C4055	F1G1C104A146	C 0.1UF, 16V		
		C4056	F1G1C104A146	C 0.1UF, 16V		
		C4057	F1G1C104A146	C 0.1UF, 16V		
		C4058	F1G1C104A146	C 0.1UF, 16V		
		C4059	F1G1C104A146	C 0.1UF, 16V		
		C4060	F1G1C104A146	C 0.1UF, 16V		
		C4061	F1G1C104A146	C 0.1UF, 16V		
		C4062	F1G1C104A146	C 0.1UF, 16V		
		C4063	F1G1C104A146	C 0.1UF, 16V		
		C4064	F1G1C104A146	C 0.1UF, 16V		
		C4065	F1G1C104A146	C 0.1UF, 16V		
		C4069	F1G1H101A948	C 100PF, 50V		
		C4070	F1G1E103A144	C 0.01UF, 25V		
		C4115	F1K1E106A167	C 10UF, 25V		
		C4116	F1G1E103A144	C 0.01UF, 25V		
		C4117	F1G1E103A144	C 0.01UF, 25V		
		C4118	F1G1E103A144	C 0.01UF, 25V		
		C4119	F1G1H101A948	C 100PF, 50V		
		C4120	F1G1H101A948	C 100PF, 50V		
		C4500	F1H1E105A153	C 1UF, 25V		
		C4578	F1G1A105A047	C 1UF, 10V		
		C4579	F1G1A105A047	C 1UF, 10V		
		C4599	F1G1H101A948	C 100PF, 50V		
		C5020	F1G1A105A047	C 1UF, 10V		
		C5022	F1G1A105A047	C 1UF, 10V		
		C5024	F1G1A105A047	C 1UF, 10V		
		C5025	F1J1E105A287	C 1UF, 25V		
		C5026	F1G1A105A047	C 1UF, 10V		
		C5029	F1H1A225A051	C 2.2UF, 10V		
		C5030	F1G1A105A047	C 1UF, 10V		
		C5031	F1G1A105A047	C 1UF, 10V		
		C5032	F1H1E105A153	C 1UF, 25V		
		C5105	F1G1E103A144	C 0.01UF, 25V		
		C5144	F1H1E105A153	C 1UF, 25V		
		C5201	F1K1E106A167	C 10UF, 25V		
		C5202	F1K1E106A167	C 10UF, 25V		
		C5204	F1J0J2260004	C 22UF, 6.3V		
		C5205	F1J0J2260004	C 22UF, 6.3V		
		C5207	F1G1A105A047	C 1UF, 10V		
		C5208	F1G1E822A144	C 8200 PF, 25V		
		C5209	F1G1H100A963	C 10PF, 50V		
		C5210	F1G1C104A146	C 0.1UF, 16V		
		C5212	F1G1E103A144	C 0.01UF, 25V		
		C5240	F1K1E106A167	C 10UF, 25V		
		C5241	F1K1E106A167	C 10UF, 25V		
		C5242	F1J1A106A043	C 10UF, 10V		
		C5243	F1J1A106A043	C 10UF, 10V		
		C5244	F1J1A106A043	C 10UF, 10V		
		C5245	F1J1A106A043	C 10UF, 10V		
		C5246	F1G1C104A146	C 0.1UF, 16V		
		C5248	F1G1E333A144	C 0.033UF, 25V		
		C5249	F1G1H222A946	C 2200PF, 50V		
		C5260	F1K1E106A167	C 10UF, 25V		
		C5261	F1K1E106A167	C 10UF, 25V		
		C5262	F1H1E104A161	C 0.1UF, 25V		
		C5263	F1G1E103A144	C 0.01UF, 25V		
		C5264	F1G1H472A830	C 4700PF, 50V		
		C5265	F1G1H681A571	C 680PF, 50V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C5266	F1G1C104A146	C 0.1UF, 16V		
		C5270	F1K1E106A167	C 10UF, 25V		
		C5271	F1K1E106A167	C 10UF, 25V		
		C5272	F1K1E106A167	C 10UF, 25V		
		C5273	F1K1E106A167	C 10UF, 25V		
		C5274	F1K1E106A167	C 10UF, 25V		
		C5717	F1J1A106A043	C 10UF, 10V		
		C5718	F1J1A106A043	C 10UF, 10V		
		C5920	F1G1C104A146	C 0.1UF, 16V		
		C6703	F1J1A106A043	C 10UF, 10V		
		C6704	F1G1C104A146	C 0.1UF, 16V		
		C6705	F1J1A106A043	C 10UF, 10V		
		C6707	F1G1C104A146	C 0.1UF, 16V		
		C6717	F1G1H220A834	C 22PF, 50V		
		C6718	F1G1H220A834	C 22PF, 50V		
		C6719	F1G1C104A146	C 0.1UF, 16V		
		C6720	F1G1H220A834	C 22PF, 50V		
		C6721	F1G1H220A834	C 22PF, 50V		
		C6731	F1G1H101A948	C 100PF, 50V		
		C6732	F1G1H101A948	C 100PF, 50V		
		C6739	F1G1C104A146	C 0.1UF, 16V		
		C6950	F1G0J1050007	C 1.0UF, 6.3V		
		C6953	F1G1E103A144	C 0.01UF, 25V		
		C6954	F1G1E103A144	C 0.01UF, 25V		
		C6957	F1G1H181A834	C 180PF, 50V		
		C6958	F1G1C104A146	C 0.1UF, 16V		
		C6959	F1G1H181A834	C 180PF, 50V		
		C6960	F1G1H472A830	C 4700PF, 50V		
		C6961	F1G0J1050007	C 1.0UF, 6.3V		
		C6964	F1H1H181B052	C 180PF, 50V		
		C6967	F1G1H121A834	C 120PF, 50V		
		C6968	F1G1H102A830	C 1000PF, 50V		
		C6970	F1G1H102A830	C 1000PF, 50V		
		C6971	F1G1H5R0A947	C 5PF, 50V		
		C6973	F1G1H5R0A947	C 5PF, 50V		
		C6974	F1G1H121A834	C 120PF, 50V		
		C6977	F1G1H331A946	C 330PF, 50V		
		C6982	F1G1E103A144	C 0.01UF, 25V		
		C6983	F1G1H102A948	C 1000PF, 50V		
		C6984	F1G1E103A144	C 0.01UF, 25V		
		C6985	F1G0J1050007	C 1.0UF, 6.3V		
		C6986	F1G1H121A834	C 120PF, 50V		
		C6988	F1G1H102A830	C 1000PF, 50V		
		C6989	F1G1H6R0A832	C 6PF, 50V		
	⚠	C7102	F1AAF471A019	C 470PF, 240V		
	⚠	C7103	F1AAF471A019	C 470PF, 240V		
	⚠	C7104	F0CAF224A218	C 0.22UF, 250V		
	⚠	C7105	F0CAF224A218	C 0.22UF, 250V		
		C7201	F1H1H102B052	C 1000PF, 50V		
		C7202	F1J1H222A911	C 2200PF, 50V		
		C7203	F1H1H104B047	C 0.1UF, 50V		
		C7204	F1J1H104A902	C 0.1UF, 50V		
		C7205	F1J1H103A900	C 0.01UF, 50V		
		C7206	F1J1E475A257	C 4.7UF, 25V		
		C7207	F1A3A221A079	C 220PF, 1KV		
		C7208	F1J1H104A902	C 0.1UF, 50V		
		C7209	ECWFD2W105KC	C 1.0UF, 240V		
		C7210	F1A3A221A078	C 220PF, 1KV		
		C7214	F1J1H103A900	C 0.01UF, 50V		
		C7220	F1J1H103A900	C 0.01UF, 50V		
		C7221	F2A2W6500001	C 65UF, 450V		
		C7222	F2A2W6500001	C 65UF, 450V		
		C7302	F1J1H104A902	C 0.1UF, 50V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7303	F1J1H104A902	C 0.1UF, 50V		
		C7304	F1A3A221A079	C 220PF, 1KV		
		C7305	F1J1H105A919	C 1UF, 50V		
		C7306	F1J1H104A902	C 0.1UF, 50V		
		C7307	F1J1H101A906	C 100PF, 50V		
		C7310	F2A1E4710124	C 470PF, 25V		
		C7311	F1J1E105A287	C 1UF, 25V		
		C7312	F1H1C474A178	C 0.47UF, 16V		
		C7315	F1A3A221A079	C 220PF, 1KV		
		C7316	F1A3A221A079	C 220PF, 1KV		
		C7317	ECWH8223HAC	C 0.022UF, Z, 800V		
		C7320	F1A3A102A079	C 1000PF, 1KV		
		C7321	F1B2G4710004	C 470PF, 400V		
		C7322	F1J1H102A909	C 1000PF, 50V		
		C7418	F1H1H104B047	C 0.1UF, 50V		
		C7421	F1H1H104B047	C 0.1UF, 50V		
		C7423	F2AZZ2220001	C 2200UF, 240V		
		C7432	F1J1C475A225	C 4.7UF, 16V		
		C7433	F1J1C475A225	C 4.7UF, 16V		
		C7434	F1J1H473A900	C 0.047UF, 50V		
		C7438	F1J1C474A238	C 0.47UF, 16V		
		C7440	F2AZZ2220001	C 2200UF, 240V		
		C7441	F1J1H104A902	C 0.1UF, 50V		
		C7442	F2AZZ4710003	C 470UF, 240V		
		C7552	F1K1E106A167	C 10UF, 25V		
		C7554	F1J1H221A906	C 220PF, 50V		
		C7555	F1K1E106A167	C 10UF, 25V		
		C7556	F1K1E106A167	C 10UF, 25V		
		C7560	F1J1H104A902	C 0.1UF, 50V		
		C7562	F1J1H104A902	C 0.1UF, 50V		
		C7563	F1J1H104A902	C 0.1UF, 50V		
		C7800	F1J1H101A906	C 100PF, 50V		
		C7801	F1J1H103A900	C 0.01UF, 50V		
		C7802	F1J1H103A900	C 0.01UF, 50V		
		C7803	F1J1E224A272	C 0.22UF, 25V		
		C7804	F1J1H103A900	C 0.01UF, 50V		
		C7805	F1J1H103A900	C 0.01UF, 50V		
		C7806	F1J1E105A287	C 1UF, 25V		
		C7807	F1J1E224A272	C 0.22UF, 25V		
		C7808	F1A3A221A078	C 220PF, 1KV		
		C7809	F1J1E105A287	C 1UF, 25V		
		C7810	F1J1E224A272	C 0.22UF, 25V		
		C7812	F1A3A221A079	C 220PF, 1KV		
		C7813	F2A2C470A240	C 47UF, 160V		
		C7814	F2A1J1210012	C 120UF, 63V		
		C7815	F1A3A221A078	C 220PF, 1KV		
		C7816	F1A3A221A079	C 220PF, 1KV		
		C7817	F2A2C470A240	C 47UF, 160V		
		C7821	F1J2E1020002	C 1000PF, 250V		
		C7824	F1J1E224A272	C 0.22UF, 25V		
		C7827	F1J1H221A906	C 220PF, 50V		
		C7828	F1J1H221A906	C 220PF, 50V		
		C7829	F1J2E1020002	C 1000PF, 250V		
		C7832	F1J1H104A902	C 0.1UF, 50V		
		C7833	F1J1H104A902	C 0.1UF, 50V		
		C7838	F1J1E105A287	C 1UF, 25V		
		C8000	F1G1C104A146	C 0.1UF, 16V		
		C8001	F1G1C104A146	C 0.1UF, 16V		
		C8002	F1J1A106A043	C 10UF, 10V		
		C8003	F1G1C104A146	C 0.1UF, 16V		
		C8004	F1G1C104A146	C 0.1UF, 16V		
		C8005	F1G1C104A146	C 0.1UF, 16V		
		C8006	F1G1C104A146	C 0.1UF, 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8007	F1G1C104A146	C 0.1UF, 16V		
		C8008	F1G1C104A146	C 0.1UF, 16V		
		C8009	F1J0G2260001	C 22UF, 4V		
		C8010	F1G1C104A146	C 0.1UF, 16V		
		C8011	F1J0G2260001	C 22UF, 4V		
		C8012	F1H0J4750004	C 4.7UF, 6.3V		
		C8014	F1G1C104A146	C 0.1UF, 16V		
		C8015	F1G1C104A146	C 0.1UF, 16V		
		C8016	F1J1A106A043	C 10UF, 10V		
		C8017	F1G1C104A146	C 0.1UF, 16V		
		C8021	F1G1A105A047	C 1UF, 10V		
		C8022	F1G1C104A146	C 0.1UF, 16V		
		C8023	F1G1A105A047	C 1UF, 10V		
		C8024	F1G1C104A146	C 0.1UF, 16V		
		C8025	F1G1C104A146	C 0.1UF, 16V		
		C8026	F1G1C104A146	C 0.1UF, 16V		
		C8027	F1G1C104A146	C 0.1UF, 16V		
		C8028	F1G1A105A047	C 1UF, 10V		
		C8029	F1H0J4750004	C 4.7UF, 6.3V		
		C8030	F1G1C104A146	C 0.1UF, 16V		
		C8031	F1G1C104A146	C 0.1UF, 16V		
		C8034	F1G1C104A146	C 0.1UF, 16V		
		C8035	F1G1A105A047	C 1UF, 10V		
		C8036	F1G1C104A146	C 0.1UF, 16V		
		C8038	F1G1C104A146	C 0.1UF, 16V		
		C8039	F1G1C104A146	C 0.1UF, 16V		
		C8040	F1J0G2260001	C 22UF, 4V		
		C8041	F1G1C104A146	C 0.1UF, 16V		
		C8042	F1G1C104A146	C 0.1UF, 16V		
		C8043	F1G1C104A146	C 0.1UF, 16V		
		C8044	F1G1C104A146	C 0.1UF, 16V		
		C8045	F1G1C104A146	C 0.1UF, 16V		
		C8046	F1H0J4750004	C 4.7UF, 6.3V		
		C8047	F1H0J4750004	C 4.7UF, 6.3V		
		C8048	F1H0J4750004	C 4.7UF, 6.3V		
		C8049	F1H0J4750004	C 4.7UF, 6.3V		
		C8050	F1G1A105A047	C 1UF, 10V		
		C8051	F1G1C104A146	C 0.1UF, 16V		
		C8052	F1G1A105A047	C 1UF, 10V		
		C8054	F1G1C104A146	C 0.1UF, 16V		
		C8058	F1J1A106A043	C 10UF, 10V		
		C8059	F1G1A105A047	C 1UF, 10V		
		C8060	F1G1C104A146	C 0.1UF, 16V		
		C8061	F1J0G2260001	C 22UF, 4V		
		C8062	F1J0G2260001	C 22UF, 4V		
		C8100	F1G1H222A946	C 2200PF, 50V		
		C8101	F1G1C104A146	C 0.1UF, 16V		
		C8102	F1K1E106A167	C 10UF, 25V		
		C8103	F1K1E106A167	C 10UF, 25V		
		C8104	F1H1E104A161	C 0.1UF, 25V		
		C8105	F1G1E332A172	C 3300PF, 25V		
		C8106	F1J0G2260001	C 22UF, 4V		
		C8107	F1J0G2260001	C 22UF, 4V		
		C8108	F1J0G2260001	C 22UF, 4V		
		C8109	F1H1E105A153	C 1UF, 25V		
		C8110	F1J1E475A257	C 4.7UF, 25V		
		C8112	F1H1E104A161	C 0.1UF, 25V		
		C8114	F1K1E106A167	C 10UF, 25V		
		C8116	F1G1C104A146	C 0.1UF, 16V		
		C8121	F1J0G2260001	C 22UF, 4V		
		C8122	F1J0G2260001	C 22UF, 4V		
		C8124	F1G1A105A047	C 1UF, 10V		
		C8125	F1G1A105A047	C 1UF, 10V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8126	F1G1C104A146	C 0.1UF, 16V		
		C8200	F1G1E153A144	C 0.015UF, 25V		
		C8201	F1G1C104A146	C 0.1UF, 16V		
		C8202	F1G1C104A146	C 0.1UF, 16V		
		C8203	F1G1C104A146	C 0.1UF, 16V		
		C8204	F1G1C104A146	C 0.1UF, 16V		
		C8205	F1G1C104A146	C 0.1UF, 16V		
		C8206	F1G1C104A146	C 0.1UF, 16V		
		C8207	F1G1C104A146	C 0.1UF, 16V		
		C8208	F1J1A106A043	C 10UF, 10V		
		C8209	F1G1C104A146	C 0.1UF, 16V		
		C8210	F1G1C104A146	C 0.1UF, 16V		
		C8211	F1G1C104A146	C 0.1UF, 16V		
		C8212	F1G1C104A146	C 0.1UF, 16V		
		C8213	F1G1C104A146	C 0.1UF, 16V		
		C8214	F1G1C104A146	C 0.1UF, 16V		
		C8215	F1G1C104A146	C 0.1UF, 16V		
		C8216	F1G1C104A146	C 0.1UF, 16V		
		C8217	F1G1C104A146	C 0.1UF, 16V		
		C8218	F1G1C104A146	C 0.1UF, 16V		
		C8219	F1G1C104A146	C 0.1UF, 16V		
		C8220	F1G1C104A146	C 0.1UF, 16V		
		C8221	F1G1C104A146	C 0.1UF, 16V		
		C8222	F1G1C104A146	C 0.1UF, 16V		
		C8223	F1G1C104A146	C 0.1UF, 16V		
		C8224	F1G1C104A146	C 0.1UF, 16V		
		C8225	F1J1A106A043	C 10UF, 10V		
		C8226	F1G1C104A146	C 0.1UF, 16V		
		C8227	F1G1C104A146	C 0.1UF, 16V		
		C8228	F1G1C104A146	C 0.1UF, 16V		
		C8229	F1G1C104A146	C 0.1UF, 16V		
		C8230	F1G1C104A146	C 0.1UF, 16V		
		C8231	F1G1C104A146	C 0.1UF, 16V		
		C8232	F1G1C104A146	C 0.1UF, 16V		
		C8233	F1G1C104A146	C 0.1UF, 16V		
		C8234	F1G1C104A146	C 0.1UF, 16V		
		C8235	F1G1C104A146	C 0.1UF, 16V		
		C8236	F1G1C104A146	C 0.1UF, 16V		
		C8237	F1G1E153A144	C 0.015UF, 25V		
		C8238	F1G1C104A146	C 0.1UF, 16V		
		C8239	F1G1C104A146	C 0.1UF, 16V		
		C8240	F1G1C104A146	C 0.1UF, 16V		
		C8241	F1G1C104A146	C 0.1UF, 16V		
		C8242	F1G1C104A146	C 0.1UF, 16V		
		C8243	F1G1C104A146	C 0.1UF, 16V		
		C8244	F1G1C104A146	C 0.1UF, 16V		
		C8245	F1J1A106A043	C 10UF, 10V		
		C8246	F1G1C104A146	C 0.1UF, 16V		
		C8247	F1G1C104A146	C 0.1UF, 16V		
		C8248	F1G1C104A146	C 0.1UF, 16V		
		C8249	F1G1C104A146	C 0.1UF, 16V		
		C8250	F1G1C104A146	C 0.1UF, 16V		
		C8251	F1G1C104A146	C 0.1UF, 16V		
		C8252	F1G1C104A146	C 0.1UF, 16V		
		C8253	F1G1C104A146	C 0.1UF, 16V		
		C8254	F1G1C104A146	C 0.1UF, 16V		
		C8255	F1G1C104A146	C 0.1UF, 16V		
		C8256	F1J1A106A043	C 10UF, 10V		
		C8257	F1G1C104A146	C 0.1UF, 16V		
		C8258	F1G1C104A146	C 0.1UF, 16V		
		C8259	F1G1C104A146	C 0.1UF, 16V		
		C8260	F1G1C104A146	C 0.1UF, 16V		
		C8261	F1G1C104A146	C 0.1UF, 16V		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8262	F1G1C104A146	C 0.1UF, 16V		
		C8263	F1G1C104A146	C 0.1UF, 16V		
		C8264	F1G1C104A146	C 0.1UF, 16V		
		C8265	F1G1C104A146	C 0.1UF, 16V		
		C8266	F1G1C104A146	C 0.1UF, 16V		
		C8267	F1G1C104A146	C 0.1UF, 16V		
		C8268	F1G1C104A146	C 0.1UF, 16V		
		C8269	F1G1E153A144	C 0.015UF, 25V		
		C8270	F1G1C104A146	C 0.1UF, 16V		
		C8271	F1G1C104A146	C 0.1UF, 16V		
		C8272	F1G1C104A146	C 0.1UF, 16V		
		C8273	F1G1C104A146	C 0.1UF, 16V		
		C8274	F1J1H104A902	C 0.1UF, 50V		
		C8279	F1J1A106A043	C 10UF, 10V		
		C8280	F1G1C104A146	C 0.1UF, 16V		
		C8281	F1G1C104A146	C 0.1UF, 16V		
		C8282	F1G1C104A146	C 0.1UF, 16V		
		C8283	F1G1C104A146	C 0.1UF, 16V		
		C8284	F1G1C104A146	C 0.1UF, 16V		
		C8285	F1G1C104A146	C 0.1UF, 16V		
		C8286	F1G1C104A146	C 0.1UF, 16V		
		C8287	F1G1C104A146	C 0.1UF, 16V		
		C8288	F1G1C104A146	C 0.1UF, 16V		
		C8289	F1G1C104A146	C 0.1UF, 16V		
		C8290	F1G1C104A146	C 0.1UF, 16V		
		C8295	F1G1C104A146	C 0.1UF, 16V		
		C8300	F1G1H8R0A963	C 8PF, 50V		
		C8301	F1G1H8R0A963	C 8PF, 50V		
		C8359	F1G1C104A146	C 0.1UF, 16V		
		C8601	F1G1C103A173	C 0.01UF, 16V		
		C8602	F1H1C104A178	C 0.1UF, 16V		
		C8603	F1H1C104A178	C 0.1UF, 16V		
		C8604	F1G1C103A173	C 0.01UF, 16V		
		C8610	F1G1A105A047	C 1UF, 10V		
		C8611	F1G1A105A047	C 1UF, 10V		
		C8706	F1J1A106A043	C 10UF, 10V		
		C8707	F1G1C104A146	C 0.1UF, 16V		
		C8708	F1J1A106A043	C 10UF, 10V		
		C8709	F1J1A106A043	C 10UF, 10V		
		C8710	F1G1C104A146	C 0.1UF, 16V		
		C8712	F1G1C104A146	C 0.1UF, 16V		
		C8713	F1G1C104A146	C 0.1UF, 16V		
		C8714	F1J1A106A043	C 10UF, 10V		
		C8715	F1G1C104A146	C 0.1UF, 16V		
		C8717	F1J1A106A043	C 10UF, 10V		
		C8718	F1J1A106A043	C 10UF, 10V		
		C8719	F1G1C104A146	C 0.1UF, 16V		
		C8739	F1J1A106A043	C 10UF, 10V		
		C8740	F1G1C104A146	C 0.1UF, 16V		
		C8742	F1J1A106A043	C 10UF, 10V		
		C8744	F1J1A106A043	C 10UF, 10V		
		C8745	F1G1C104A146	C 0.1UF, 16V		
		C8811	F1G1C104A146	C 0.1UF, 16V		
		C8812	F1G1A105A047	C 1UF, 10V		
		C8921	F1G1C104A146	C 0.1UF, 16V		
		C8923	F1J1A106A043	C 10UF, 10V		
		C8924	F1J1A106A043	C 10UF, 10V		
		C8925	F1G1C104A146	C 0.1UF, 16V		
		C8926	F1G1C104A146	C 0.1UF, 16V		
		C8927	F1G1H100A948	C 10PF, 50V		
		C8928	F1H1E105A153	C 1UF, 25V		
	⚠	CF7101	D4CAY4R7A096	THERMISTORS RESISTOR		
		D2800	DZ2J056M0L	DIODE		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D2802	B3AGB0000083	LED		
		D2851	DZ2J068M0L	DIODE		
		D2852	DZ2J068M0L	DIODE		
		D3108	DZ2J140M0L	DIODE		
		D3109	DZ2J140M0L	DIODE		
		D3110	DZ2J140M0L	DIODE		
		D3111	DZ2J140M0L	DIODE		
		D3112	DZ2J140M0L	DIODE		
		D3113	DZ2J140M0L	DIODE		
		D3200	K7AAAY000019	CHIP DIODE		
		D4516	B0ACRC000001	DIODE		
		D5027	DZ2J033M0L	DIODE		
		D5140	B0ADCK000001	DIODE		
		D5170	DA2J10100L	DIODE		
		D5171	DZ2J180M0L	DIODE		
		D5172	B0ADCK000001	DIODE		
		D5173	DZ2J062M0L	DIODE		
		D5174	B0ADCK000001	DIODE		
		D5175	DZ2J043M0L	DI0DE		
		D5178	DA2J10100L	DIODE		
		D6950	B0ZBZ0000226	DIODE		
		D6952	J0ZZB0000175	DIODE		
	⚠	D7101	D4EAY621A216	DIODE		
		D7104	B0EAKR000184	DIODE		
		D7105	B0EAKR000184	DIODE		
		D7106	B0EBNT000028	DIODE		
		D7211	B0ACCD000008	DIODE		
		D7217	B0HAPR000013	DIODE		
		D7221	B0ACCD000008	DIODE		
		D7301	DZ2J039M0L	DIODE		
		D7302	B0HAGQ000001	DIODE		
		D7303	DZ2J039M0L	DIODE		
		D7304	B0HAGQ000001	DIODE		
		D7305	B0ADCK000001	DIODE		
		D7306	B0BC02700041	DIODE		
		D7307	B0BC02700041	DIODE		
		D7308	B0BC02700041	DIODE		
		D7309	B0JCMG000043	DIODE		
		D7310	B0JCMG000043	DIODE		
		D7311	B0BC02700041	DIODE		
		D7313	B0ACCD000008	DIODE		
		D7401	B0JBSM000009	DIODE		
		D7402	B0JBSM000009	DIODE		
		D7404	DA2J10100L	DIODE		
		D7405	DA2J10100L	DIODE		
		D7408	B0JBSL000084	DIODE		
		D7409	B0JBSL000084	DIODE		
		D7411	B0ACCD000008	DIODE		
		D7551	B0JCPE000051	DIODE		
		D7552	B0BC6R2A0654	DIODE		
		D7800	B0FCAM000004	DIODE		
		D7801	B0ECKM000053	DIODE		
		D7802	B0BC015A0655	DIODE		
		D7803	B0ECKM000053	DIODE		
		D7804	DZ2J360M0L	DIODE		
		D7805	B0ACCD000008	DIODE		
		D7806	B0BC015A0655	DIODE		
		D7807	B0FCAM000004	DIODE		
		D7808	DA2J10100L	DIODE		
		D7809	DA2J10100L	DIODE		
		D7810	B0ACCD000008	DIODE		
		D7811	DZ2J360M0L	DIODE		
		D7812	DA2J10100L	DIODE		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D7813	B0FCAM000004	DIODE		
		D7814	B0FCAM000004	DIODE		
		D8103	B0ACRC000001	DIODE		
		D8104	B0ACRC000001	DIODE		
		D8105	B0ADCK000001	DIODE		
		D8106	B0JCGD000016	DIODE		
		F2000	ERBRD4R00X	FUSE		
		F5200	ERBRD4R00X	FUSE		
	⚠	F7101	K5E502YYA213	FUSE		
		FL8702	EXC24CE900U	NOISE FILTER		
		FL8705	EXC24CE900U	NOISE FILTER		
		FL8708	EXC24CE900U	NOISE FILTER		
		IC3800	C1AB00003984	IC		
		IC4506	C0DBEYY00175	IC		
		IC5000	AN34043AAVF	IC		
		IC5200	C0DBAYY02083	IC		
		IC5240	C0DBAYY02432	IC		
		IC5260	C0DBAYY02552	IC		
		IC5704	C0DBEYY00311	IC		
		IC5911	C1ZBZ0004368	IC		
		IC6950	C1AB00004337	IC		
		IC6952	C1AB00004174	IC		
		IC7201	C0DBBYY00058	IC		
		IC7301	C0DBAYY01329	IC		
		IC7401	C0DBZYY00545	IC		
		IC7503	C0DBAYY01915	IC		
		IC7800	C0ZBZ0002179	IC		
		IC8000	C1AB00004367	IC		
		IC8100	NN30332A-VB	IC		
		IC8101	C0DBAYY02531	IC		
		IC8102	C0DBEYY00226	IC		
		IC8200	C3ABVY000043	IC		
		IC8201	C3ABVY000043	IC		
		IC8202	C3ABVY000043	IC		
		IC8203	C3ABVY000043	IC		
		IC8204	C3ABVY000043	IC		
		IC8601	C0DBGYY00887	IC		
		IC8702	C0DBZYY00723	IC		
		IC8703	C0DBZYY00723	IC		
		IC8706	C0DBZYY00764	IC		
		IC8920	TVRU145	ROM VERSION ASSY		
		JA1	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA10	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA12	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA2	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA3	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA51	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA52	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA53	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA54	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA6	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA8	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA9	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JK3101	K1U511D00001	TERMINAL		
		JK4701A	K1FY119E0066	HDMI CONNECTOR		
		JK4702A	K1FY119E0066	HDMI CONNECTOR		
		JK4703A	K1FY119E0066	HDMI CONNECTOR		
		JK6951	K1ZZ00001558	TUNER SHIELD		
	⚠	JK7101	K2AAYB000010	AC INLET		
		JK8600	K2LC1YYE0005	JACK TERMINAL		
		JK8702	K1FY104B0095	AV TERMINAL		
		JK8703	K1FY109B0047	AV TERMINAL		
		JK8705	K1FY105E0025	CONNECTOR		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		JS2000	D0GAR00JA039	M 0 OHM, 1/16W		
		K10	K1KY07BA0483	CONNECTOR		
		L2200	J0JYC0000464	BEAD CORE		
		L3801	G1C220MA0426	COIL		
		L3802	G1C220MA0426	COIL		
		L3803	G1C220MA0426	COIL		
		L3804	G1C220MA0426	COIL		
		L5200	G1C2R2ZA0240	COIL		
		L5240	G1C6R8MA0426	COIL		
		L5260	G1C4R7MA0858	INDUCTOR		
		L6701	J0JYC0000464	BEAD CORE		
		L6703	J0JYC0000464	BEAD CORE		
		L6951	G1CR27JA0097	COIL		
		L6952	G1CR27JA0097	COIL		
		L6953	J0JYC0000464	BEAD CORE		
		L6954	G1CR27JA0097	COIL		
		L6955	J0JYC0000464	BEAD CORE		
		L6956	G1CR27JA0097	COIL		
		L6959	G1CR27JA0097	COIL		
		L6961	G1C82NJ00010	COIL		
		L6962	G1CR47J00012	BEAD COIL		
		L6963	G1CR22JA0097	COIL		
		L6964	G1CR22JA0097	COIL		
		L6965	G1C10NJ00008	BEAD COIL		
		L7208	J0JYC0000729	COIL		
		L7304	J0JYB0000044	COIL		
		L7550	G0C270MA0049	INDUCTOR		
		L7801	J0JYC0000729	COIL		
		L7803	J0JYB0000044	COIL		
		L7805	J0JYA0000035	BEAD CORE		
		L7808	J0JYC0000729	COIL		
		L7810	J0JYB0000044	COIL		
		L7812	J0JYA0000035	BEAD CORE		
		L7813	G0C660Z00002	CHOKE COIL		
		L7814	G0C660Z00002	CHOKE COIL		
		L8100	G1C1R0MA0858	INDUCTOR		
		L8101	G1C2R2ZA0476	INDUCTOR		
		L8702	J0JYC0000464	BEAD CORE		
		L8703	J0JYC0000464	BEAD CORE		
		L8706	J0JYC0000464	BEAD CORE		
		L8920	J0JYC0000464	BEAD CORE		
		L8921	J0JYC0000464	BEAD CORE		
	⚠	LD2	K1KY07BA0385	CONNECTOR		
	⚠	LF7103	G0B183GA0082	LINE FILTER		
	⚠	LF7104	G0B183GA0082	LINE FILTER		
	⚠	LF7105	G0B350GA0083	LINE FILTER		
		P2	K1KY14BA0491	CONNECTOR		
		PA7406	ERBRE5R00V	FUSE RESISTOR		
	⚠	PC7301	B3PAA0000704	PHOTO COUPLERS		
	⚠	PC7302	B3PAA0000704	PHOTO COUPLERS		
	⚠	PC7303	B3PAA0000704	PHOTO COUPLERS		
		Q2200	B1ABCF000231	TRANSISTOR		
		Q2201	B1ABCF000231	TRANSISTOR		
		Q4501	B1ABCF000231	TRANSISTOR		
		Q4502	B1ABCF000231	TRANSISTOR		
		Q4504	B1ABCF000231	TRANSISTOR		
		Q5140	B1ABCE000015	TRANSISTOR		
		Q5141	B1ABCE000015	TRANSISTOR		
		Q5143	B1ABCF000231	TRANSISTOR		
		Q5144	B1ABCF000231	TRANSISTOR		
		Q7202	B1ADCE000022	TRANSISTOR		
		Q7203	B1CERR000144	TRANSISTOR		
		Q7204	B1ADGE000012	TRANSISTOR		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		Q7301	B1CFRR000029	TRANSISTOR		
		Q7302	B1CFRR000029	TRANSISTOR		
		Q7303	B1ADCE000022	TRANSISTOR		
		Q7401	B1CBHG000002	TRANSISTOR		
		Q7402	B1CFRG000069	TRANSISTOR		
		Q7403	B1CHRE000035	TRANSISTOR		
		Q7404	B1CFRG000069	TRANSISTOR		
		Q7405	B1CHRE000035	TRANSISTOR		
		Q7416	B1ADCE000022	TRANSISTOR		
		Q7417	B1CBHG000002	TRANSISTOR		
		Q7800	B1CBHG000002	TRANSISTOR		
		Q7801	B1CERM000055	TRANSISTOR		
		Q7802	B1CFRL000042	TRANSISTOR		
		Q7803	B1CFRL000042	TRANSISTOR		
		Q7804	B1CERM000055	TRANSISTOR		
		Q7805	B1CBHG000002	TRANSISTOR		
		Q7810	B1ABCN000007	TRANSISTOR		
		R0071	D0GAR00JA039	M 0 OHM, 1/16W		
		R0074	D0GAR00JA039	M 0 OHM, 1/16W		
		R0904	D0GA220JA039	M 22 OHM, J, 1/16W		
		R0905	D0GA220JA039	M 22 OHM, J, 1/16W		
		R0906	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0907	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0912	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0913	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0914	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0915	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0916	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0917	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0918	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0919	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0920	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0921	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0924	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0930	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0931	D0GA330JA039	M 33 OHM, J, 1/16W		
		R0934	D0GA153JA039	M 15K OHM, J, 1/16W		
		R0938	D0GAR00JA039	M 0 OHM, 1/16W		
		R0939	D0GAR00JA039	M 0 OHM, 1/16W		
		R0940	D0GA473JA039	M 47K OHM, J, 1/16W		
		R0941	D0GA473JA039	M 47K OHM, J, 1/16W		
		R0942	D0GAR00JA039	M 0 OHM, 1/16W		
		R0943	D0GAR00JA039	M 0 OHM, 1/16W		
		R0950	D0GAR00JA039	M 0 OHM, 1/16W		
		R2001	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2002	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2004	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2009	D0GA680JA039	M 68 OHM, J, 1/16W		
		R2011	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2014	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2016	D0GA680JA039	M 68 OHM, J, 1/16W		
		R2019	D0GA680JA039	M 68 OHM, J, 1/16W		
		R2020	D0GA680JA039	M 68 OHM, J, 1/16W		
		R2021	D0GA680JA039	M 68 OHM, J, 1/16W		
		R2022	D0GA680JA039	M 68 OHM, J, 1/16W		
		R2035	D0GA223JA039	M 22K OHM, J, 1/16W		
		R2036	D1BA7151A023	M 7.15K OHM, F, 1/16 W		
		R2037	D1BA3092A023	M 30.9K OHM, F, 1/16W		
		R2252	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2254	D0GA102JA039	M 1K OHM, J, 1/16W		
		R2260	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2261	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2262	D0GAR00JA039	M 0 OHM, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R2263	D0GA223JA039	M 22K OHM, J, 1/16W		
		R2264	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2265	D0GAR00JA039	M 0 OHM, 1/16W		
		R2301	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2302	D0GA333JA039	M 33K OHM, J, 1/16W		
		R2800	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R2812	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R2820	D0GB470JA065	M 47 OHM, J, 1/10W		
		R2821	D0GB303JA065	M 30K OHM, J, 1/10W		
		R2822	D0GD104JA052	M 100K OHM, J, 1/8W		
		R2823	D1BB4301A073	M 4.3K OHM, J, 1/10W		
		R2824	D1BB1001A073	M 1K OHM, J, 1/10W		
		R2852	D1BD1911A203	M 1.91K OHM, F, 1/8W		
		R2853	D1BD3091A203	M 3.09K OHM, F, 1/8W		
		R2854	D1BD6041A203	M 6.04K OHM, F, 1/8W		
		R2855	D1BD1692A203	M 16.9K OHM, F, 1/8W		
		R3101	D0GAR00JA039	M 0 OHM, 1/16W		
		R3162	D0GAR00JA039	M 0 OHM, 1/16W		
		R3163	D0GAR00JA039	M 0 OHM, 1/16W		
		R3164	D0GAR00JA039	M 0 OHM, 1/16W		
		R3166	D0GA100JA039	M 10 OHM, J, 1/16W		
		R3167	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3168	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3169	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3170	D1H81014A042	M 100 OHM, J, 1/16W		
		R3174	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3178	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3188	D0GA333JA039	M 33K OHM, J, 1/16W		
		R3189	D0GA333JA039	M 33K OHM, J, 1/16W		
		R3191	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3194	D0GAR00JA039	M 0 OHM, 1/16W		
		R3196	D0GA101JA039	M 100 OHM, J, 1/16W		
		R3200	D0GA101JA039	M 100 OHM, J, 1/16W		
		R3802	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R3804	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3805	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3806	D0GA103JA039	M 10K OHM, J, 1/16W		
		R3807	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3808	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3809	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3810	D1H86804A042	M 68 OHM, J, 1/16W		
		R3811	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3812	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3813	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3814	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3828	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4046	D0GAR00JA039	M 0 OHM, 1/16W		
		R4047	D0GAR00JA039	M 0 OHM, 1/16W		
		R4050	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4051	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4082	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R4100	D0GAR00JA039	M 0 OHM, 1/16W		
		R4101	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4102	D0GAR00JA039	M 0 OHM, 1/16W		
		R4104	D0GAR00JA039	M 0 OHM, 1/16W		
		R4105	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R4106	D0GAR00JA039	M 0 OHM, 1/16W		
		R4150	D1H4R0020006	RESISTOR		
		R4151	D1H4R0020006	RESISTOR		
		R4152	D1H4R0020006	RESISTOR		
		R4153	D1H4R0020006	RESISTOR		
		R4154	D1H4R0020006	RESISTOR		
		R4155	D1H4R0020006	RESISTOR		

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		R4156	D1H4R0020006	RESISTOR		
		R4157	D1H4R0020006	RESISTOR		
		R4166	D0GAR00JA039	M 0 OHM, 1/16W		
		R4167	D0GAR00JA039	M 0 OHM, 1/16W		
		R4513	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4514	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4515	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4516	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4517	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4519	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4520	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4521	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4522	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4523	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4526	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4528	D0GAR00JA039	M 0 OHM, 1/16W		
		R4532	D0GA220JA039	M 22 OHM, J, 1/16W		
		R4543	D0GA104JA039	M 100K OHM, J, 1/16W		
		R4544	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4545	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4546	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4547	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4550	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4551	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4553	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4554	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4556	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4557	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4561	D1BA1800A023	M 180 OHM, F, 1/16W		
		R4562	D1BA82R0A023	M 82 OHM, F, 1/16W		
		R4586	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4587	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4602	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4603	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4604	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4605	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4606	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4607	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4610	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4612	D0GAR00JA039	M 0 OHM, 1/16W		
		R4617	D1BA4701A023	M 4.7K OHM, F, 1/16W		
		R4618	D1BA1502A023	M 15K OHM, F, 1/16 W		
		R4628	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R4629	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R4630	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R4671	D0GAR00JA039	M 0 OHM, 1/16W		
		R5008	D0GA683JA039	M 68K OHM, J, 1/16W		
		R5009	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5017	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5022	D0GA153JA039	M 15K OHM, J, 1/16W		
		R5023	D1BA5602A023	M 56K OHM, F, 1/16W		
		R5036	D1BA2202A023	M 22K OHM, F, 1/16W		
		R5037	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5039	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5040	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5042	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5080	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R5098	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5109	D0GB101JA065	M 100 OHM, J, 1/10W		
		R5110	D0GA681JA039	M 680 OHM, J, 1/16W		
		R5140	D0GA102JA039	M 1K OHM, J, 1/16W		
		R5141	D0GA154JA039	M 150K OHM, J, 1/16W		
		R5142	D0GA333JA039	M 33K OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R5144	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5146	D0GA102JA039	M 1K OHM, J, 1/16W		
		R5147	D0GA101JA039	M 100 OHM, J, 1/16W		
		R5148	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5149	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5151	D0GAR00JA039	M 0 OHM, 1/16W		
		R5154	D1BA9101A023	M 9.1K OHM, F, 1/16 W		
		R5155	D1BA1242A023	M 12.4K OHM, F, 1/16W		
		R5156	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R5158	D0GA153JA039	M 15K OHM, J, 1/16W		
		R5160	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5161	D0GA153JA039	M 15K OHM, J, 1/16W		
		R5201	D1BA1201A023	M 1.2K OHM, F, 1/16W		
		R5202	D1BA4021A023	M 4.02K OHM, F, 1/16W		
		R5203	D0GA220JA039	M 22 OHM, J, 1/16W		
		R5241	D1BB8201A074	M 8.2K OHM, D, 1/10 W		
		R5242	D1BB1541A074	M 1.54K OHM, D, 1/10 W		
		R5243	D0GA220JA039	M 22 OHM, J, 1/16W		
		R5245	D1BA3302A023	M 33K OHM, F, 1/16W		
		R5260	D0GAR00JA039	M 0 OHM, 1/16W		
		R5265	D0GA102JA039	M 1K OHM, J, 1/16W		
		R5267	D0GA104JA039	M 100K OHM, J, 1/16W		
		R5269	D1BB4642A073	M 46.4K OHM, F, 1/10W		
		R5270	D1BB2431A106	M 24.3K OHM, D, 1/10 W		
		R5271	D1BA3002A023	M 30K OHM, F, 1/16W		
		R5272	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R5273	D0GA220JA039	M 22 OHM, J, 1/16W		
		R5274	D0GA104JA039	M 100K OHM, J, 1/16W		
		R5731	D1BA1200A023	M 120 OHM, F, 1/16W		
		R5732	D1BA56R0A023	M 56 OHM, F, 1/16W		
		R5904	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5946	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6412	D0GA473JA039	M 47K OHM, J, 1/16W		
		R6700	D0GA221JA039	M 220 OHM, J, 1/16W		
		R6701	D0GA221JA039	M 220 OHM, J, 1/16W		
		R6724	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6758	D0GAR00JA039	M 0 OHM, 1/16W		
		R6770	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6771	D0GA220JA039	M 22 OHM, J, 1/16W		
		R6786	D0GAR00JA039	M 0 OHM, 1/16W		
		R6787	D0GAR00JA039	M 0 OHM, 1/16W		
		R6793	D0GAR00JA039	M 0 OHM, 1/16W		
		R6794	D0GAR00JA039	M 0 OHM, 1/16W		
		R6950	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6951	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6953	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6954	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6955	D0GA102JA039	M 1K OHM, J, 1/16W		
		R6956	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6959	D0GAR00JA039	M 0 OHM, 1/16W		
		R6960	D0GAR00JA039	M 0 OHM, 1/16W		
		R6962	D0GA102JA039	M 1K OHM, J, 1/16W		
		R6963	D0GA331JA039	M 330 OHM, J, 1/16W		
		R6966	D0GA681JA039	M 680 OHM, J, 1/16W		
		R6967	D0GA240JA039	M 24 OHM, J, 1/16W		
		R6968	D0GA681JA039	M 680 OHM, J, 1/16W		
		R7101	D0GF105JA048	M 1M OHM, J, 1/4W		
		R7102	D0GF105JA048	M 1M OHM, J, 1/4W		
		R7103	D0GF105JA048	M 1M OHM, J, 1/4W		
		R7104	D0GD102JA052	M 1K OHM, J, 1/8W		
		R7105	D0GD102JA052	M 1K OHM, J, 1/8W		
		R7201	ERX1SJR22V	M 0.22 OHM, J, 1W		
		R7202	ERX1SJR22V	M 0.22 OHM, J, 1W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7203	D0GD563JA052	M 56K OHM, J, 1/8W		
		R7204	D0GF221JA047	M 220 OHM, J, 1/3W		
		R7205	D0GD470JA052	M 47 OHM, J, 1/8W		
		R7208	ERX1SJR22V	M 0.22 OHM, J, 1W		
		R7211	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7212	D0GB683JA065	M 68K OHM, J, 1/10W		
		R7219	D0GB513JA065	M 51K OHM, J, 1/10W		
		R7220	D0GB223JA065	M 22K OHM, J, 1/10W		
		R7224	D1BD8203A066	M 820K OHM, F, 1/8W		
		R7225	D1BF1504A073	M 1.5M OHM, F, 1/16W		
		R7226	D1BF1504A073	M 1.5M OHM, F, 1/16W		
		R7227	D1BF1504A073	M 1.5M OHM, F, 1/16W		
		R7228	D1BF1504A073	M 1.5M OHM, F, 1/16W		
		R7229	D1BD2003A066	M 200K OHM, F, 1/8W		
		R7230	D1BD4422A066	M 44.2K OHM, F, 1/8W		
		R7231	D1BD4303A066	M 430K OHM, F, 1/8W		
		R7232	D1BD3603A066	M 360K OHM, F, 1/8W		
		R7234	D1BD8203A066	M 820K OHM, F, 1/8W		
		R7237	D0GF220JA047	M 22 OHM, J, 1/3W		
		R7238	D0GB473JA065	M 47K OHM, J, 1/10W		
		R7239	D0GF820JA047	M 82 OHM, J, 1/3W		
		R7240	D0GF225JA048	M 2.2M OHM, J, 1/4W		
		R7241	D0GF225JA048	M 2.2M OHM, J, 1/4W		
		R7242	D0GF225JA048	M 2.2M OHM, J, 1/4W		
		R7243	D0GF225JA048	M 2.2M OHM, J, 1/4W		
		R7244	D0GD124JA052	M 120K OHM, J, 1/8W		
		R7245	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7302	D0GD101JA106	M 100 OHM, J, 1/3W		
		R7303	D0GD101JA106	M 100 OHM, J, 1/3W		
		R7304	D0AF2R2JA112	M 2.2 OHM, J, 1/2W		
		R7305	D0AF121JA112	M 120 OHM, J, 1/2W		
		R7306	D0GD222JA052	M 2.2K OHM, J, 1/8W		
		R7307	D0GD562JA052	M 5.6K OHM, J, 1/8W		
		R7308	D0GD222JA052	M 2.2K OHM, J, 1/8W		
		R7311	D0XB106JA018	M 10M OHM, J, 1/16W		
		R7312	D1BD1802A066	M 18K OHM, F, 1/8W		
		R7314	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7315	D0GB222JA065	M 2.2K OHM, J, 1/10W		
		R7317	D0GD223JA052	M 22K OHM, J, 1/8W		
		R7318	D0GB473JA065	M 47K OHM, J, 1/10W		
		R7319	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7320	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7321	D0GD100JA106	M 10 OHM, J, 1/3W		
		R7322	D0GD100JA106	M 10 OHM, J, 1/3W		
		R7323	D0GD223JA052	M 22K OHM, J, 1/8W		
		R7324	D0GD223JA052	M 22K OHM, J, 1/8W		
		R7325	ERX1SJ4R7V	M 4.7 OHM, J, 1W		
		R7383	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7396	D0AF391JA112	M 390 OHM, J, 1/2W		
		R7401	D0GD472JA052	M 4.7K OHM, J, 1/8W		
		R7402	D0GB103JA065	M 10K OHM, J, 1/10W		
		R7403	D0GD102JA052	M 1K OHM, J, 1/8W		
		R7404	D0GD474JA052	M 470K OHM, J, 1/8W		
		R7405	D0GD561JA052	M 560 OHM, J, 1/8W		
		R7406	D1BD3301A066	M 3.3K OHM, F, 1/8W		
		R7407	D0GB103JA065	M 10K OHM, J, 1/10W		
		R7408	D1BD1872A066	M 18.7K OHM, F, 1/8W		
		R7409	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7410	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7411	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7412	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7413	D1BD7503A066	M 750K OHM, F, 1/8W		
		R7415	D0GD472JA052	M 4.7K OHM, J, 1/8W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7416	D0GD273JA052	M 27K OHM, J, 1/8W		
		R7417	D0GD273JA052	M 27K OHM, J, 1/8W		
		R7420	D0GD224JA052	M 220K OHM, J, 1/8W		
		R7421	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7422	D0GD224JA052	M 220K OHM, J, 1/8W		
		R7423	D0GD564JA052	M 560K OHM, J, 1/8W		
		R7428	D0GFR00J0005	M 0 OHM, J, 1/3W		
		R7452	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7453	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7454	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7455	D0GD223JA052	M 22K OHM, J, 1/8W		
		R7510	D0GD153JA052	M 15K OHM, J, 1/8W		
		R7511	D0GD153JA052	M 15K OHM, J, 1/8W		
		R7551	D0GD100JA052	M 10 OHM, J, 1/8W		
		R7554	D1BD7872A066	M 78.7K OHM, F, 1/8W		
		R7555	D1BD1432A066	M 14.3K OHM, F, 1/8W		
		R7557	D0GD514JA052	M 510K OHM, J, 1/8W		
		R7558	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7802	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7803	D0GD222JA052	M 2.2K OHM, J, 1/8W		
		R7804	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7805	D1BD1803A066	M 180K OHM, F, 1/8W		
		R7806	D1BD2202A066	M 22K OHM, D, 1/10 W		
		R7807	D0GD153ZA034	M 15K OHM, Z, 1/8W		
		R7808	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7809	D1BD6802A066	M 68K OHM, F, 1/8W		
		R7810	D1BD2202A066	M 22K OHM, D, 1/10 W		
		R7811	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7812	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7813	D0GD393JA052	M 39K OHM, J, 1/8W		
		R7816	D1BD1503A066	M 150K OHM, F, 1/8W		
		R7818	D0GD152ZA034	M 1.5K OHM, Z, 1/8W		
		R7820	D0GD470JA106	M 47 OHM, J, 1/3W		
		R7821	D0GD101JA052	M 100 OHM, J, 1/8W		
		R7823	D0GD152JA052	M 1.5K OHM, J, 1/8W		
		R7824	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7825	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7826	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7827	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7828	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7829	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7830	D0GD472JA052	M 4.7K OHM, J, 1/8W		
		R7831	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7832	D0GD470JA106	M 47 OHM, J, 1/3W		
		R7834	D0GD101JA052	M 100 OHM, J, 1/8W		
		R7836	D0GD100JA106	M 10 OHM, J, 1/3W		
		R7837	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7839	ERX1SJR22V	M 0.22 OHM, J, 1W		
		R7840	D0GD474JA052	M 470K OHM, J, 1/8W		
		R7841	ERX1SJR22V	M 0.22 OHM, J, 1W		
		R7842	ERX1SJR22V	M 0.22 OHM, J, 1W		
		R7843	D0GD100JA106	M 10 OHM, J, 1/3W		
		R7844	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7845	ERX1SJR22V	M 0.22 OHM, J, 1W		
		R7846	ERX1SJR22V	M 0.22 OHM, J, 1W		
		R7847	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7848	ERX1SJR22V	M 0.22 OHM, J, 1W		
		R7851	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7852	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7853	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7854	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7855	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7857	D0GD104JA052	M 100K OHM, J, 1/8W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7862	D1BD2201A066	M 220 OHM, F, 1/8W		
		R7863	D0GD152ZA034	M 1.5K OHM, Z, 1/8W		
		R7866	D1BD2003A066	M 200K OHM, F, 1/8W		
		R7867	D1BD4702A066	M 47K OHM, F, 1/8W		
		R7868	D0GD222JA052	M 2.2K OHM, J, 1/8W		
		R7870	D0GD152JA052	M 1.5K OHM, J, 1/8W		
		R7871	D0GD474JA052	M 470K OHM, J, 1/8W		
		R7872	D1BD2003A066	M 200K OHM, F, 1/8W		
		R7881	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7882	D0GF473JA048	M 47K OHM, J, 1/4W		
		R7883	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7884	D0GF473JA048	M 47K OHM, J, 1/4W		
		R7885	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7886	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7887	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7888	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7889	D0GD1R0JA052	M 1.0 OHM, J, 1/8W		
		R7895	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7896	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7897	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7898	D1BD10R0A066	M 10 OHM, F, 1/8W		
		R7899	D0GD101JA052	M 100 OHM, J, 1/8W		
		R8007	D0GAR00JA039	M 0 OHM, 1/16W		
		R8008	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R8101	D0GAR00JA039	M 0 OHM, 1/16W		
		R8103	D1BA1802A023	M 18K OHM, F, 1/16W		
		R8104	D1BA1242A023	M 12.4K OHM, F, 1/16W		
		R8105	D0GAR00JA039	M 0 OHM, 1/16W		
		R8107	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R8109	D1BA1002A023	M 10K OHM, F, 1/16W		
		R8110	D1BA1502A023	M 15K OHM, F, 1/16 W		
		R8111	D1BA3241A023	M 3.24K OHM, F, 1/16W		
		R8112	D1BA1002A023	M 10K OHM, F, 1/16W		
		R8117	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8119	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8122	D0GAR00JA039	M 0 OHM, 1/16W		
		R8200	D1BA47R0A023	M 47 OHM, F, 1/16W		
		R8201	D1BA47R0A023	M 47 OHM, F, 1/16W		
		R8203	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8204	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8205	D0GA101JA039	M 100 OHM, J, 1/16W		
		R8206	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8207	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8208	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8209	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8212	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8213	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8214	D1BA47R0A023	M 47 OHM, F, 1/16W		
		R8215	D1BA47R0A023	M 47 OHM, F, 1/16W		
		R8217	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8218	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8219	D0GA101JA039	M 100 OHM, J, 1/16W		
		R8220	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8221	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8222	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8223	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8226	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8227	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8228	D1BA47R0A023	M 47 OHM, F, 1/16W		
		R8229	D1BA47R0A023	M 47 OHM, F, 1/16W		
		R8231	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8232	D0GA470JA039	M 47 OHM, J, 1/16W		
		R8233	D0GA101JA039	M 100 OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8234	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8235	D1BA1001A023	M 1K OHM, F, 1/16 W		
		R8237	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8300	D0GA101JA039	M 100 OHM, J, 1/16W		
		R8601	D1BA2402A023	M 24K OHM, F, 1/16W		
		R8602	D1BA75R0A023	M 75.0 OHM, F, 1/16 W		
		R8603	D1BA75R0A023	M 75.0 OHM, F, 1/16 W		
		R8604	D1BA75R0A023	M 75.0 OHM, F, 1/16 W		
		R8605	D1BA75R0A023	M 75.0 OHM, F, 1/16 W		
		R8606	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8636	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8640	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8641	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8643	D1H81034A042	M 10K OHM, J, 1/16W		
		R8648	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8710	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8713	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8714	D1BA2872A023	M 28.7K OHM, F, 1/16W		
		R8715	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R8717	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8718	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8719	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R8720	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R8721	D1BA1652A023	M 16.5K OHM, F, 1/16W		
		R8723	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R8726	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8727	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8728	D0GAR00JA039	M 0 OHM, 1/16W		
		R8729	D0GAR00JA039	M 0 OHM, 1/16W		
		R8730	D0GAR00JA039	M 0 OHM, 1/16W		
		R8732	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8734	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8735	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8737	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8738	D1BA5101A023	M 5.1K OHM, F, 1/16 W		
		R8739	D1BA5101A023	M 5.1K OHM, F, 1/16 W		
		R8756	D0GAR00JA039	M 0 OHM, 1/16W		
		R8757	D0GAR00JA039	M 0 OHM, 1/16W		
		R8759	D1BA3601A023	M 3.6K OHM, F, 1/16W		
		R8760	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8764	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R8765	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8766	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8809	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8819	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8822	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8858	D0GA682JA039	M 6.8K OHM, J, 1/16W		
		R8868	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8869	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8870	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8871	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8872	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8873	D0GA472JA039	M 4.7K OHM, J, 1/16W		
		R8909	D0GAR00JA039	M 0 OHM, 1/16W		
		R8911	D0GAR00JA039	M 0 OHM, 1/16W		
		R8920	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8921	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8922	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8923	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8924	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8925	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8926	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8927	D0GA680JA039	M 68 OHM, J, 1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8928	D1H81034A042	M 10K OHM, J, 1/16W		
		R8929	D1H81034A042	M 10K OHM, J, 1/16W		
		R8930	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8931	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8932	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8933	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R8934	D1H8R0040016	M 0 OHM, Z, 1/16W		
		R8935	D0GA560JA039	M 56 OHM, J, 1/16W		
		R8936	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8937	D0GAR00JA039	M 0 OHM, 1/16W		
		R8940	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8941	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8945	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8946	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8947	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8948	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8949	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8950	D0GA473JA039	M 47K OHM, J, 1/16W		
		R8951	D0GA473JA039	M 47K OHM, J, 1/16W		
		RM2800	B3RBB0000018	PHOTO DETECTOR		
		SN2800	B3JB00000223	PHOTO DETECTOR		
		SW2851	EVQ11G05R	SWITCH		
		SW2852	EVQ11G05R	SWITCH		
		SW2853	EVQ11G05R	SWITCH		
		SW2854	EVQ11G05R	SWITCH		
		SW2855	EVQ11G05R	SWITCH		
		SW2857	EVQ11G05R	SWITCH		
	⚠	T7202	G4DYA0000496	TRANSFORMER		
	⚠	T7302	G4DYA0000687	TRANSFORMER		
		T8600	G5BYC0000040	TRANSFORMER		
		X6950	H0J240500106	CRYSTAL OSCILLATOR		
		X8301	H0J240500106	CRYSTAL OSCILLATOR		
		ZA0210	K4AD01D00012	TERMINAL		
		ZA0211	K4AD01D00012	TERMINAL		
		ZA0212	K4AD01D00012	TERMINAL		
		ZA0213	K4AD01D00012	TERMINAL		
		ZA0214	K4AD01D00012	TERMINAL		
		ZA0215	K4AD01D00012	TERMINAL		
		ZA0219	K4AD01D00012	TERMINAL		
		ZA0221	K4AD01D00012	TERMINAL		
		ZA0222	K4AD01D00012	TERMINAL		
		ZA0223	K4AD01D00012	TERMINAL		
		ZA0226	K4AD01D00012	TERMINAL		
		ZA0227	K4AD01D00012	TERMINAL		
		ZA0228	K4AD01D00012	TERMINAL		
		ZA0229	K4AD01D00012	TERMINAL		
		ZA0230	K4AD01D00012	TERMINAL		
		ZA0231	K4AD01D00012	TERMINAL		
		ZA0232	K4AD01D00012	TERMINAL		
		ZA0233	K4AD01D00012	TERMINAL		
		ZA0234	K4AD01D00012	TERMINAL		
		ZA0235	K4AD01D00012	TERMINAL		
		ZA0242	K4AD01D00012	TERMINAL		
		ZA0244	K4AD01D00012	TERMINAL		
		ZA0251	K4ZZ01000289	SHIELD CASE CLIP		
		ZA0252	K4ZZ01000289	SHIELD CASE CLIP		
		ZA0254	K4ZZ01000289	SHIELD CASE CLIP		
		ZA0255	K4ZZ01000289	SHIELD CASE CLIP		
		ZA0256	K4ZZ01000289	SHIELD CASE CLIP		
		ZA0257	K4ZZ01000289	SHIELD CASE CLIP		
		ZA0301	K4AD01D00012	TERMINAL		
		ZA0302	K4AD01D00012	TERMINAL		
		ZA0303	K4AD01D00012	TERMINAL		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		ZA0305	K4AD01D00012	TERMINAL		
		ZA0307	K4AD01D00012	TERMINAL		
		ZA0308	K4AD01D00012	TERMINAL		
		ZA0313	K4AD01D00012	TERMINAL		
		ZA0315	K4AD01D00012	TERMINAL		
		ZA0317	K4AD01D00012	TERMINAL		
		ZA0318	K4AD01D00012	TERMINAL		
		ZA0320	K4AD01D00012	TERMINAL		
		ZA0322	K4AD01D00012	TERMINAL		
		ZA0323	K4AD01D00012	TERMINAL		
		ZA0325	K4AD01D00012	TERMINAL		
		ZA0327	K4AD01D00012	TERMINAL		
		ZA0328	K4AD01D00012	TERMINAL		
		ZA0329	K4AD01D00012	TERMINAL		
		ZA0330	K4AD01D00012	TERMINAL		
		ZA0332	K4AD01D00012	TERMINAL		
		ZA0333	K4AD01D00012	TERMINAL		
		ZA0334	K4AD01D00012	TERMINAL		
		ZA0335	K4AD01D00012	TERMINAL		
		ZA0336	K4AD01D00012	TERMINAL		
		ZA0339	K4AD01D00012	TERMINAL		
		ZA0343	K4AD01D00012	TERMINAL		
		ZA0346	K4AD01D00012	TERMINAL		
		ZA0347	K4AD01D00012	TERMINAL		
		ZA0349	K4AD01D00012	TERMINAL		
		ZA0350	K4AD01D00012	TERMINAL		
		ZA337	K4AD01D00012	TERMINAL		
		ZA341	K4AD01D00012	TERMINAL		
		ZA342	K4AD01D00012	TERMINAL		
		ZA344	K4AD01D00012	TERMINAL		
		ZA345	K4AD01D00012	TERMINAL		
		ZA351	K4AD01D00012	TERMINAL		
		ZA352	K4AD01D00012	TERMINAL		
		ZA353	K4AD01D00012	TERMINAL		
		ZA354	K4AD01D00012	TERMINAL		
		ZA355	K4AD01D00012	TERMINAL		
		ZA356	K4AD01D00012	TERMINAL		
		ZA357	K4AD01D00012	TERMINAL		
		ZA358	K4AD01D00012	TERMINAL		
		ZA359	K4AD01D00012	TERMINAL		
		ZA360	K4AD01D00012	TERMINAL		
		ZA361	K4AD01D00012	TERMINAL		
		ZA362	K4AD01D00012	TERMINAL		
		ZA363	K4AD01D00012	TERMINAL		
		ZA364	K4AD01D00012	TERMINAL		
		ZA365	K4AD01D00012	TERMINAL		
		ZA366	K4AD01D00012	TERMINAL		
		ZA367	K4AD01D00012	TERMINAL		
		ZA368	K4AD01D00012	TERMINAL		
		ZA7101	K4AD01A00004	RUG TERMINAL		
		ZA7102	K4AD01A00004	RUG TERMINAL		
		ZA7103	K4AD01A00004	RUG TERMINAL		
		ZA7105	K4AD01A00004	RUG TERMINAL		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		1	K1HY05YY0241	WIFI DONGLE WIRE		
	⚠	2	K2CQ2YY00122	AC CORD		
		3	L0EYAA000086	SPEAKER UNIT		
		4	N2QAYB000934	REMOTE TRANSMITTER		
	⚠	5	N5HBZ0000120	WIFI DONGLE		
		6	TBL5ZX09041A	STAND_METAL KIT_ASSY		Kit Includes All Brackets and Screws
			TBM4GA004	PANASONIC BADGE		
	⚠	7	TBM4GD8082	MODEL NAME PLATE		Local Purchase (Shahab Factory)
		8	TBX5ZA03303A	KEY BUTTON BRACKET		
		9	TKK5ZC50503	LED PANEL		
		10	TKP5ZA65302	SIDE_AV_BRACKET		
		11	TPC4GA51901	CARTON		Local Purchase (Shahab Factory)
		12	TPD4GA05131	CUSHION_FRONT		
		13	TPD4GA07881	CUSHION_TOP		
		14	TPD4GA07891	CUSHION_BOTTOM		
		15	TPE4GH015-1	SET_BAG		
	⚠	16	TQB4GC1641	OPERATING MANUAL (ENGLISH)		Local Purchase (Shahab Factory)
	⚠	16	TQB4GC1642	OPERATING MANUAL (ARABIC)		Local Purchase (Shahab Factory)
	⚠	16	TQB4GC1643	OPERATING MANUAL (PERSIAN)		Local Purchase (Shahab Factory)
		17	TSCKF1050036	LVDS CABLE		
		18	TXN/K1URUS	K PCB ASSEMBLY		
		19	TZBL4GX00501	PEDESTAL ASSY-55W4		
		20	TZLP193KFEQ	ASSY 49 IN-HOUSE PANEL		
		21	TZRNP11YRUA	P & GK PRINT ASSEMBLY		
		22	TZT/A1DZVR	A PCB ASSEMBLY		
		23	TZTU4GA1861	BACK COVER COMPLETE ASSY		