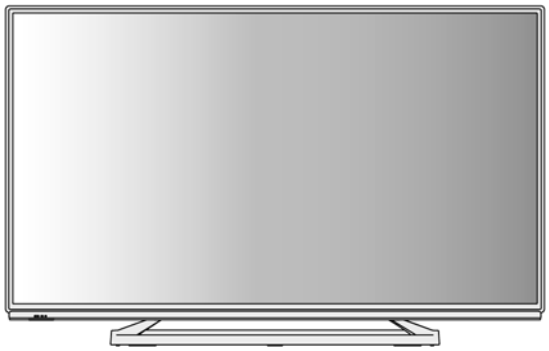
ORDER NO. MTV1401305CE

Service Manual

LED TV



Model No. TH-40A400X

Chassis: KM24

Destination: SINGAPORE

⚠ 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.

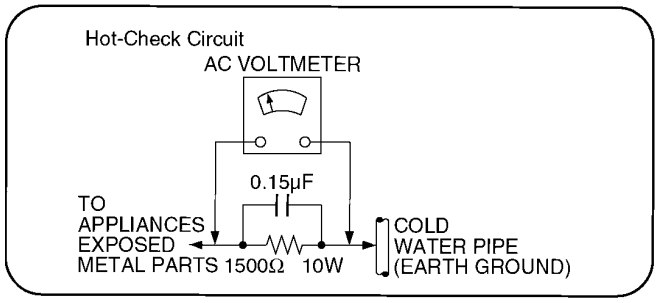


Figure 1

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 ham less motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

2.2. About lead free solder (PbF)

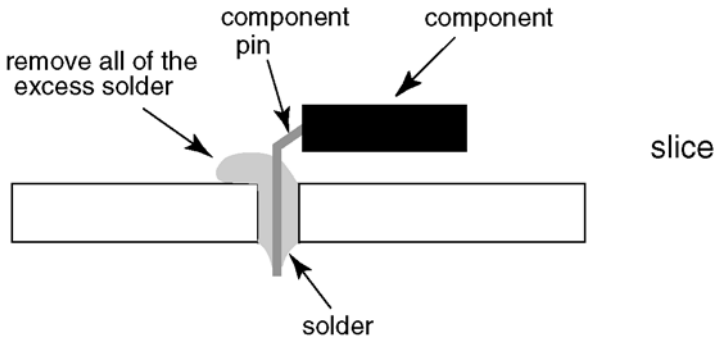
Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although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

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

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

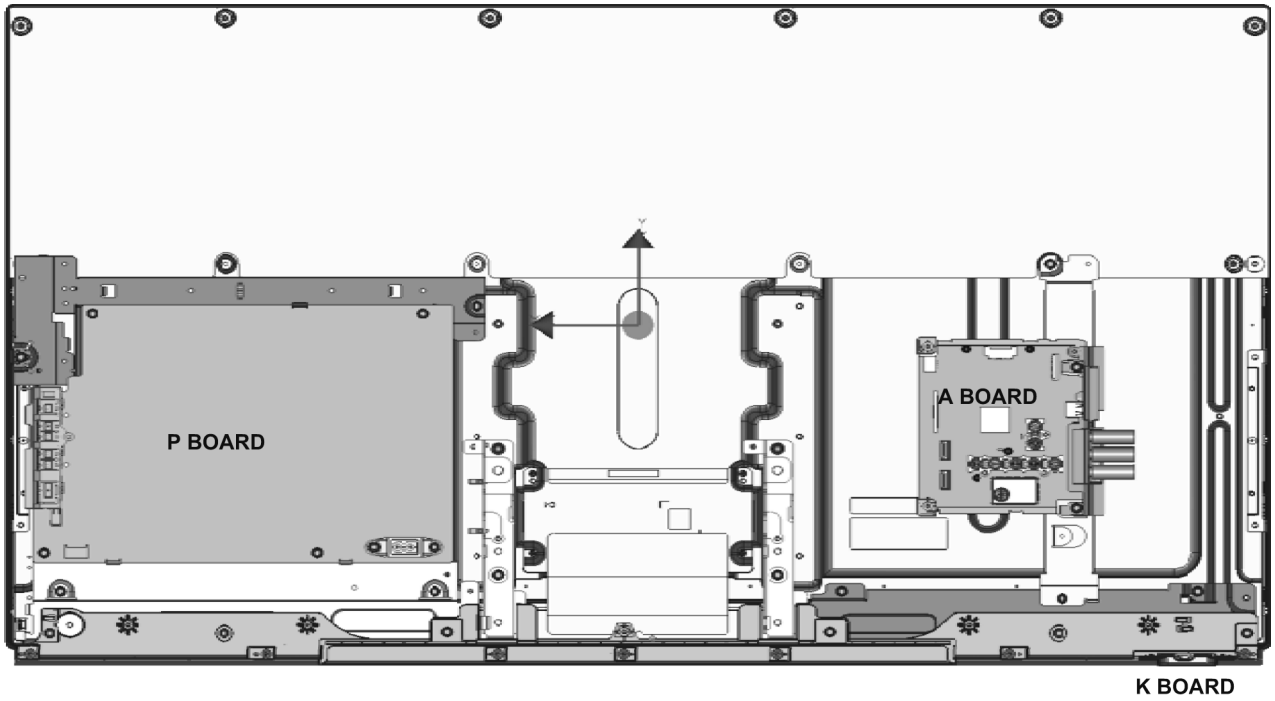
Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).
  If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



3 Service Navigation

3.1. Service Hint



Board Name	Main Device	Remarks
A BOARD	TUN, EEP, SPI Flash, Realteck Soc	Repairable
P BOARD	Power Supply, LED Driver IC, Keyscan, LED Driver IC	Repairable
K BOARD	Remote, LED, Luminance Sensor	Repairable

4 Specifications

Power source	AC Auto 110 - 240 V, 50/60 Hz	
Power consumption		
(Rated power / Standby power)	73 W / 0.25 W	
Display panel		
Panel	TFT LCD Module with LED Backlight	
Visible screen size (diagonal)	100 cm	
Display resolution	1,920 (W) × 1,080 (H)	
Dimensions (W × H × D)	904 mm × 570 mm × 247 mm (With Pedestal)	
	904 mm × 527 mm × 59 mm (TV only)	
Mass	12.0 kg (With Pedestal)	
	10.0 kg (TV only)	
Connection terminals		
AV IN	**VIDEO**	RCA PIN Type × 1, 1.0 V[p-p] (75 Ω)
(COMPONENT / VIDEO)	**AUDIO L - R**	RCA PIN Type × 2, 0.5 V[rms]
	Y	1.0 V[p-p] (including synchronisation)
	P_B, P_R	±0.35 V[p-p]
HDMI 1 / 2 input	TYPE A Connectors	
USB	USB 2.0 TYPE A Connectors	
	DC 5 V, Max. 500 mA	
AUDIO OUT	**AUDIO L - R**	RCA PIN Type × 2, 0.5 V[rms]
Sound		
Audio output	20 W (10 W + 10 W)	

Receiving systems / Band name

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

Receiving channels		
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)	

Note

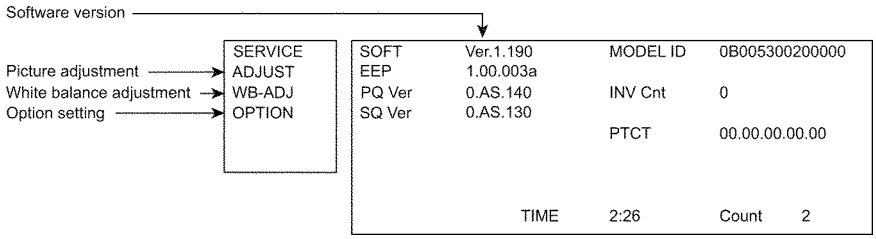
• Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.

5 Service Mode

5.1. How to enter into Service Mode

5.1.1. Purpose

After exchange parts, check and adjust the contents of adjustment mode.
While pressing [VOLUME (-)] button of the main unit, press [INFO] button of the remote control three times within 2 seconds.



5.1.2. Key command

[1] button...Main items Selection in forward direction
[2] button...Main items Selection in reverse direction
[3] button...Sub items Selection in forward direction
[4] button...Sub items Selection in reverse direction
[VOL] button...Value of sub items change in forward direction (+), in reverse direction (-)

5.1.3. How to exit

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

5.1.4. Contents of adjustment mode

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

Main item	Sub item	Sample Data
ADJUST	H POS	
	H AMP	
	V POS	
	V AMP	
	V COM	
WB-ADJ	R-GAIN	8D
	G-GAIN	AE
	B-GAIN	FF
	R-CENT	6C
	G-RENT	80
	B-CENT	A0
OPTION	Boot upgrade	NO
	STBY-SET	00
	EMERGENCY	ON
	CLK MODE	00
	CLOCK	FC7
	Y/C DELAY	DYNAMIC
	OPT 1	00000000
	OPT 2	11100110
	OPT 3	00001001
	OPT 4	00000000
	EDID-CLK	HIGH

5.1.5. Display of SOS History

SOS History (Number of LED blinking) indication.
From left side; Last SOS, before Last, three occurrence before, 2nd occurrence after shipment, 1st occurrence after shipment.
This indication except 2nd and 1st occurrence after shipment will be cleared by [Self-check indication and forced to factory shipment setting].

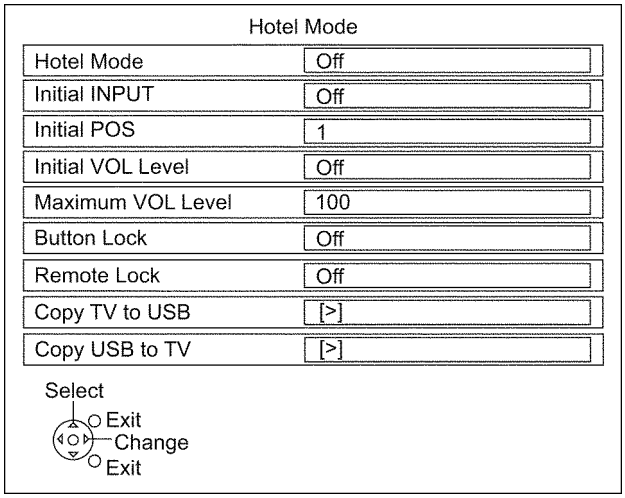
5.1.6. Exit

1. Disconnect the AC cord from wall outlet.

5.1.7. Hotel Mode

1. Purpose
   Restrict a function for hotels.
2. Access command to the Hotel mode setup menu.
   In order to display the Hotel mode setup menu:
   While pressing [VOLUME (-)] button of the main unit, press [AV] button of the remote control three times within 2 seconds.

   Then, the Hotel mode setup menu is displayed.



3. To exit the Hotel mode setup menu
   Disconnect AC power cord from wall outlet.
4. Explain the Hotel mode setup menu

Item	Function
Hotel Mode	Select hotel mode On/Off
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off,Analogue,DVB-C,DVB-T,AV1,AV2,HDMI1, HDMI2 • Off: give priority to a last memory. However, Euro model is compulsorily set to TV.
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/ALL • OFF: altogether valid • SETUP: only F-key is invalid (Tuning guide (menu) can not be selected.) • MENU: only F-key is invalid (only Volume/Mute can be selected.) • ALL: altogether invalid.
Remote Lock	Select remote control key conditions. Selection : Off/SETUP/MENU • OFF: altogether valid. • SETUP: only Setup menu is invalid. • MENU: Picture/Sound/Setup menu are invalid.
Hotel Mode USB	Basically after user already setup the hotel mode according to their criteria, what they need to do is • insert USB (while in hotel mode) • choose 'Copy TV to USB' to copy the setting into the USB (a file will be created to store the hotel mode setting in the USB) • switch 'OFF' the unit • pull out USB from unit To copy the hotel mode setting from USB. • enter hotel mode • insert USB • choose 'Copy USB to TV' • follow instruction as shown on the units • once finish, switch 'OFF; the unit • pull out USB from unit
Private Information	Select private information for VIERA Cast is Keep or Reset if Hotel mode is set to [On] when TV power on Selection : Keep/Reset • Keep: private information for VIERA Cast is keep • Reset: private information for VIERA Cast is reset

6 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

6.1.2. Self-check indication only

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

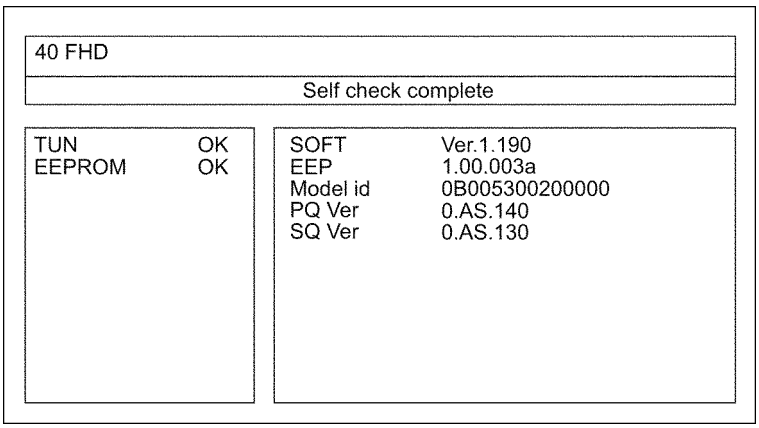
6.1.3. Self-check indication and forced to factory shipment setting

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.

6.1.4. Exit

Disconnect the AC cord from wall outlet.

6.1.5. Screen display



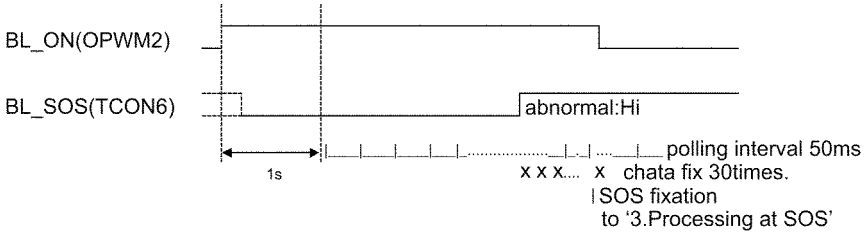
6.2. Power LED Blinking timing chart

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

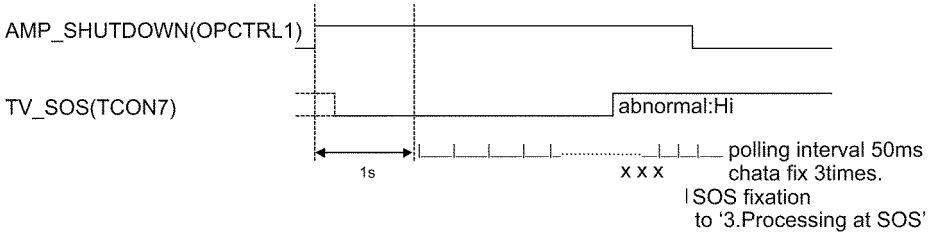
Priority	Name	Factor	R_LED Blink
1	BL_SOS	SOS from PANEL inverter	1
2	TV_SOS	TCON power down	3
3	SOUND_SOS	SOS from audio AMP	9

6.3. Method of detecting SOS

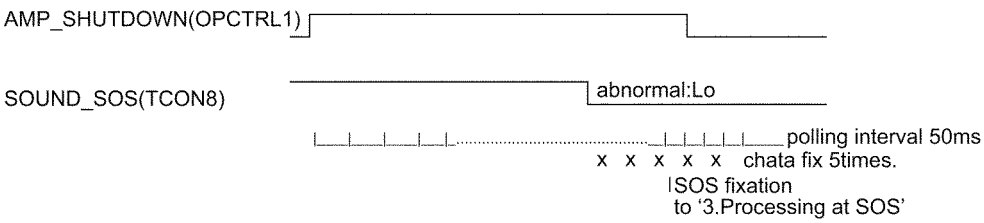
1. BL_SOS
   Detection beginning after one second pass from 'BL_ON'=ON



2. TV_SOS
   Detection beginning after one second pass from 'AMP_SHUTDOWN'=ON



3. SOUND_SOS
   Detection beginning 'AMP_SHUTDOWN'=ON



6.4. LCD Panel test mode

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

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

How to Exit:
Disconnect AC plug from wall outlet.

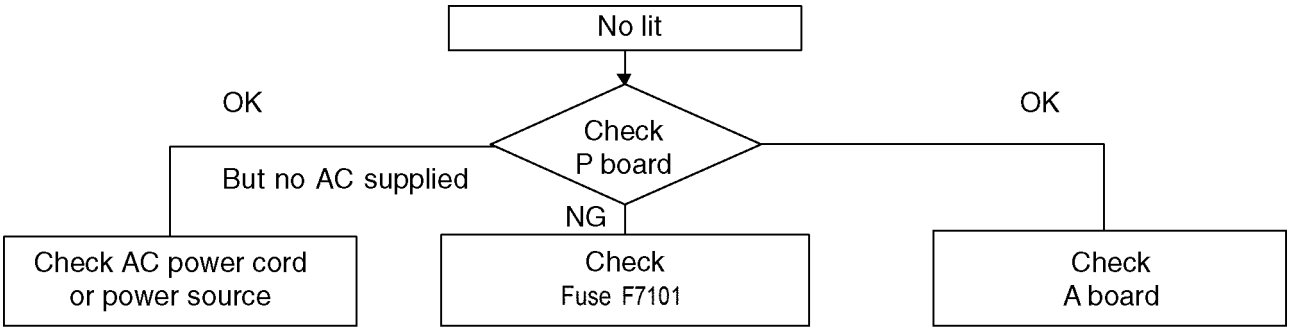
How to confirm:
If the abnormal picture is displayed, go into LCD Panel test mode to display the several test patterns.
And then, judge by the following method.
Still abnormal picture is displayed: The cause must be in LCD Panel.
Normal picture is displayed: The cause must be in A board.

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.

6.5. No Power

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

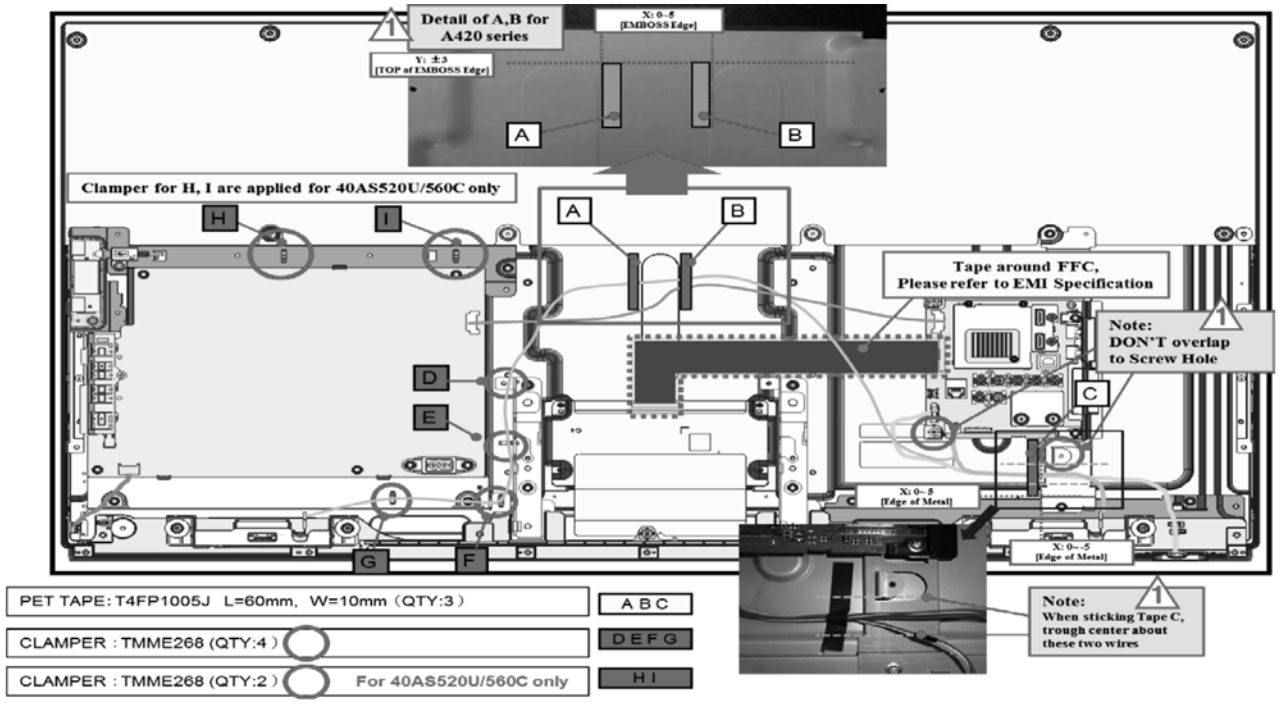
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)

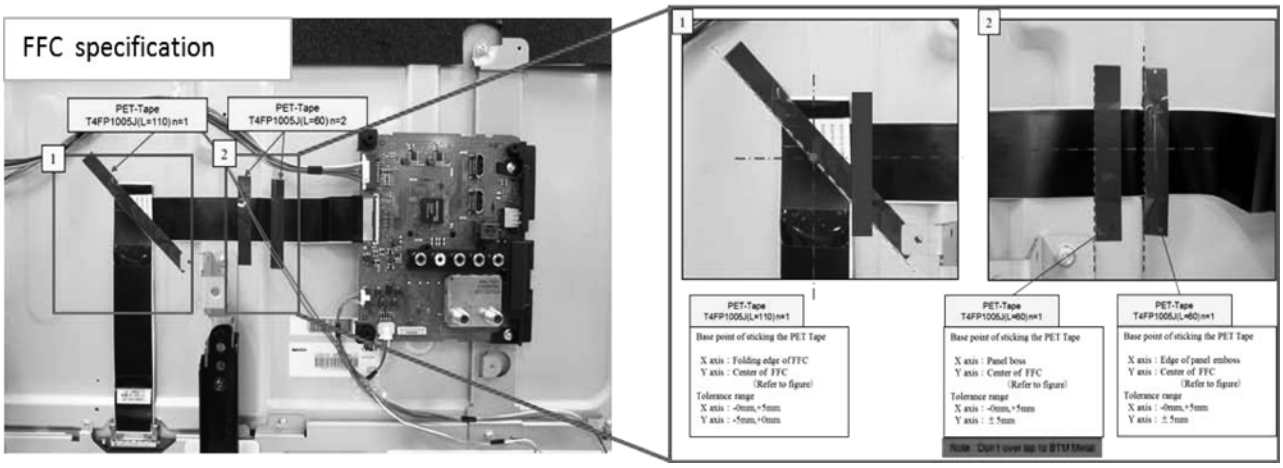


7 Disassembly and Assembly Instructions

7.1. SP Assembly

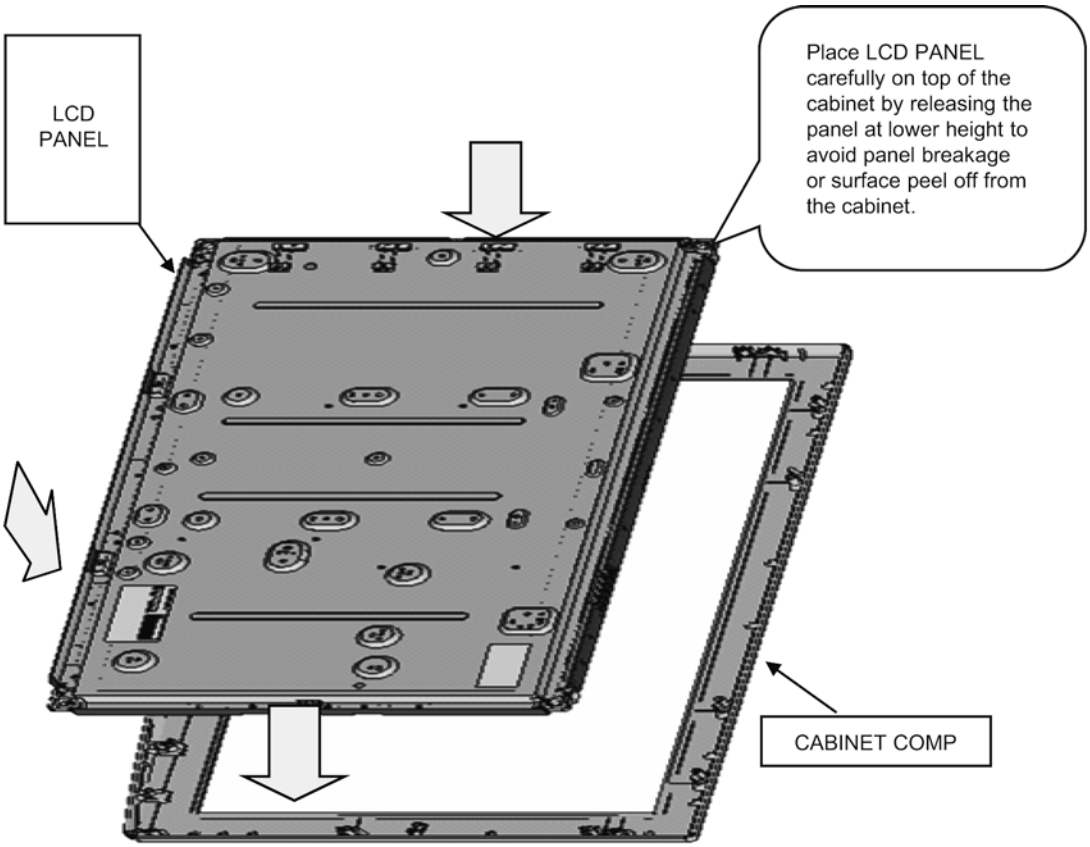
1. Fixing SP bracket to metal chassis frame.
2. Insert SP unit to SP bracket.
3. Tight screw to SP bracket.

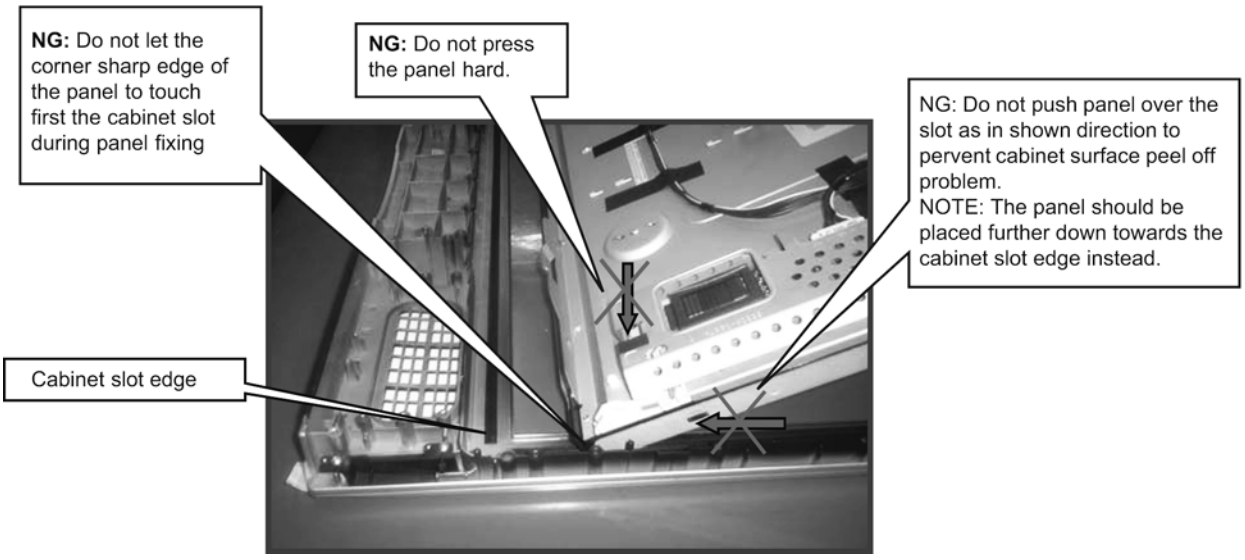




7.2. LCD Panel Fixing & Handling Method

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



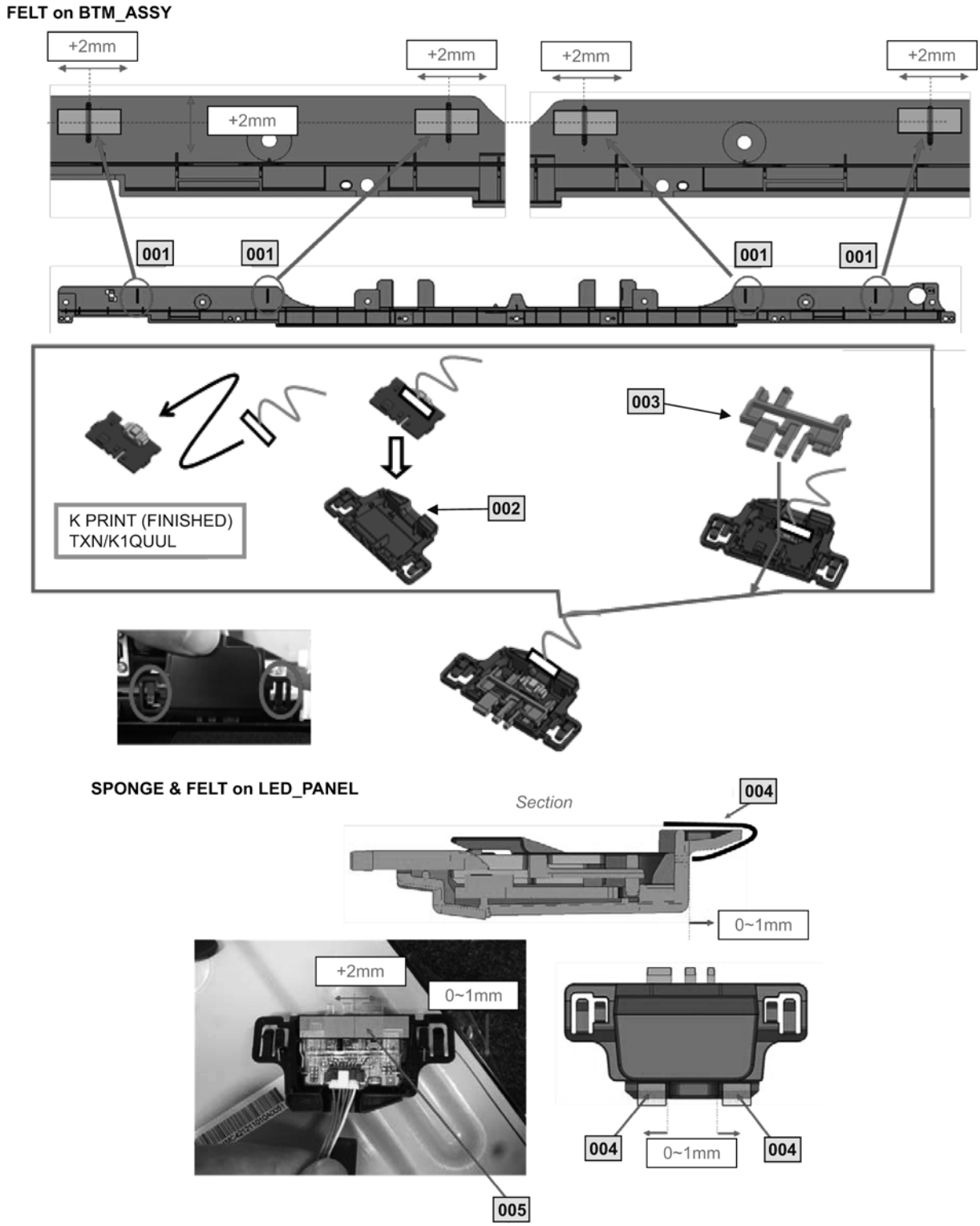


Other general precautions

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

7.3. LED Panel Assy

Install Btm Assy.



No	Description	Qty	UOM
001	FELT (0.9 × 25 × 10)	4	PC
002	LED_PANEL_CASE	1	PC
003	LED PANEL	1	PC
004	FELT (0.55 × 10 × 10)	2	PC
005	SPONGE (T3.0 × 40 × 10)	1	PC

7.4. Install Metal Parts

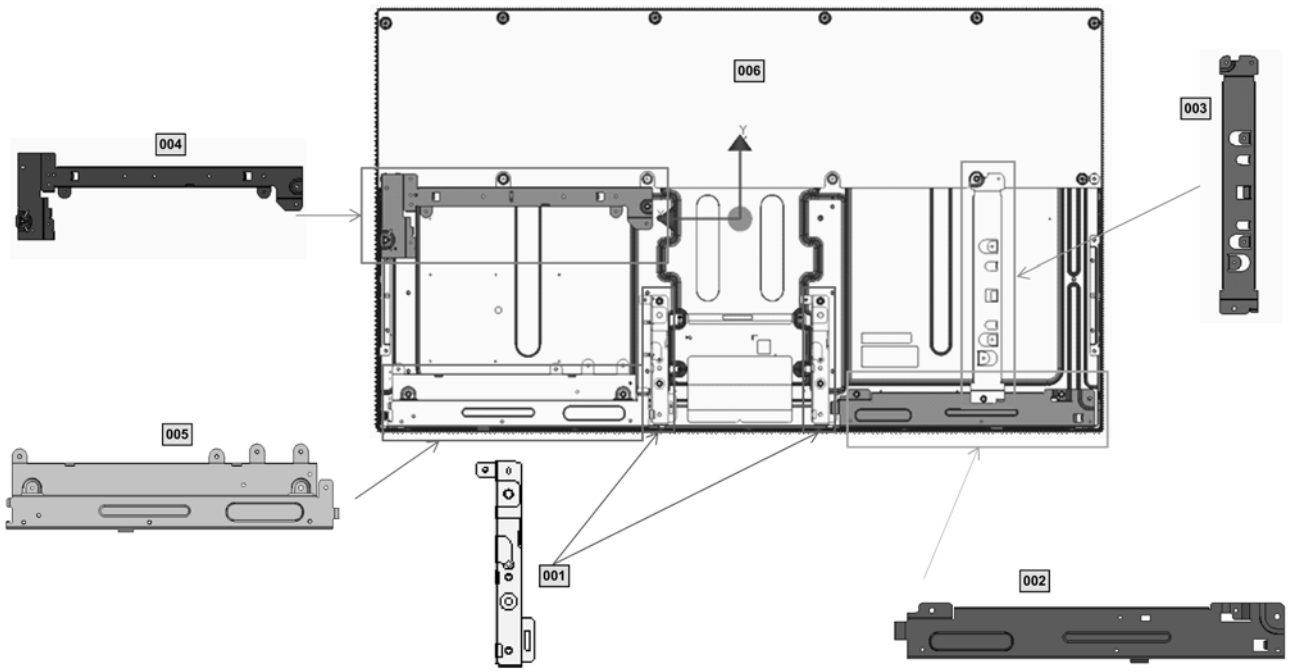
Please follow the sequence for assembly each part of metal.

<Caution Point>

Procedure of sequence to assemble each metal.

001 → 002

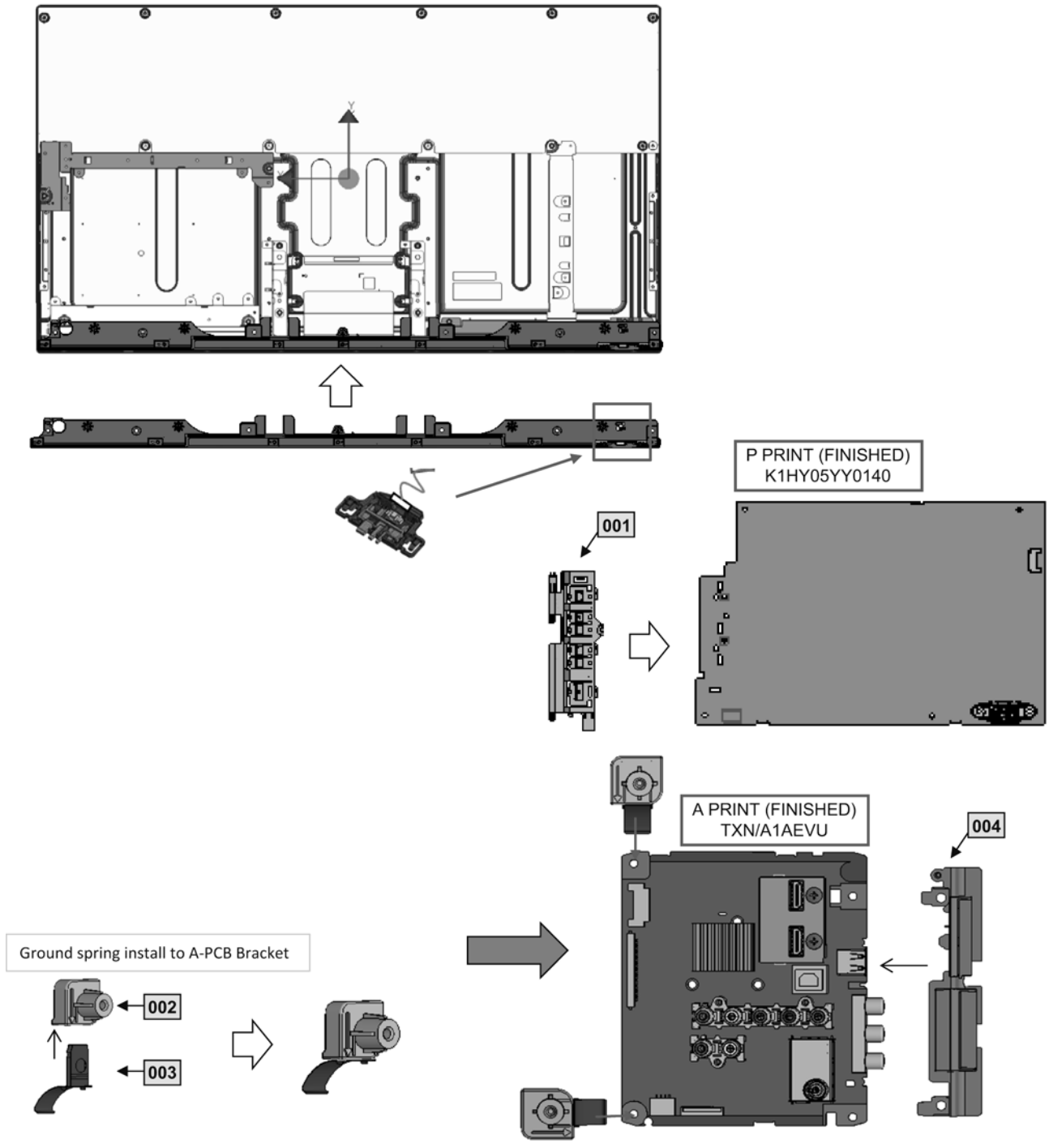
※ 003 - 005 is OK in any Assembly



No	Description	Qty	UOM
001	BOTTOM_METAL	2	PC
002	METAL_CH_FRAME_BTM-A	1	PC
003	METAL_CH_FRAME_SIDE-A	1	PC
004	METAL_CH_FRAME_TOP-A	1	PC
005	METAL_CH_FRAME_BTM-P	1	PC
006	LCD PANEL	1	PC

7.5. Metal Bracket Fixing

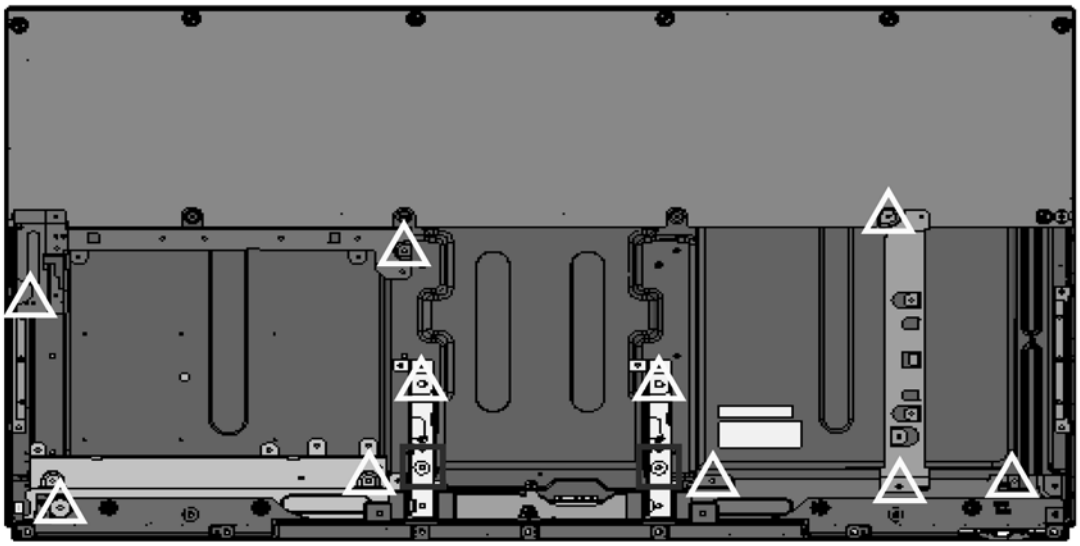
1. Fixing Metal Bracket to panel on L & R side.
2. Stick Felt at Metal Chassis Frame.
3. Stick P-print barier on metal chassis frame.

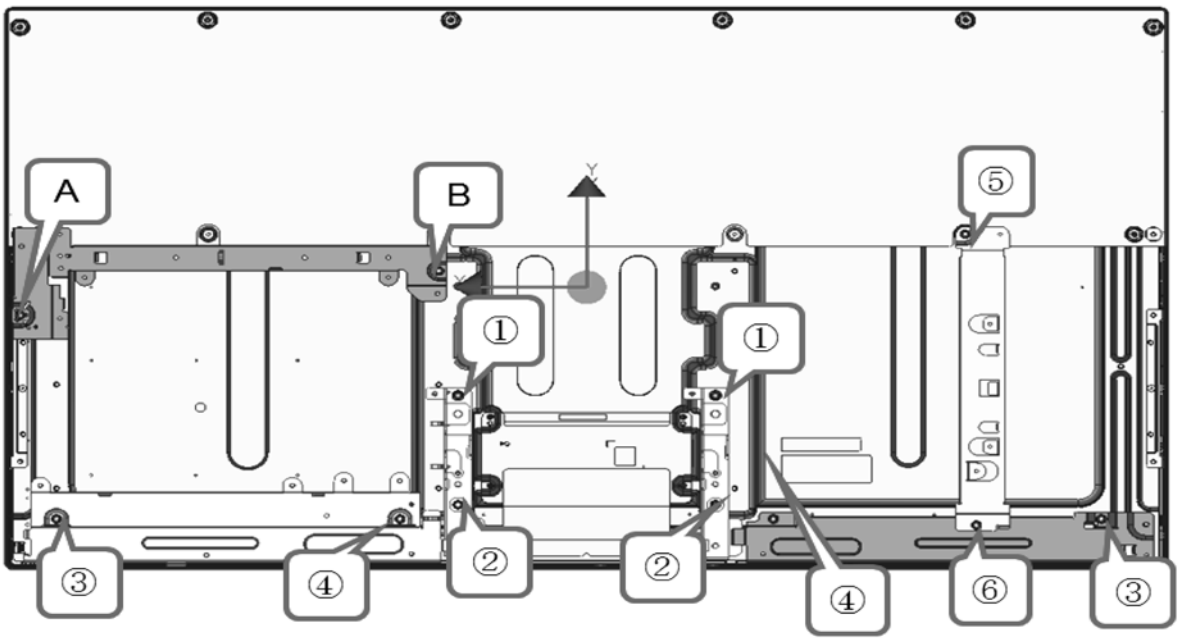


No	Description	Qty	UOM
001	KEY_BUTTON_BRACKET	1	PC
002	A_PCB_BRACKET	2	PC
003	GROUND_SPRING	2	PC
004	SIDE_AV_BRACKET	4	PC

7.6. Chassis Frame

Fix screw follow the sequence procedure & right p/no.



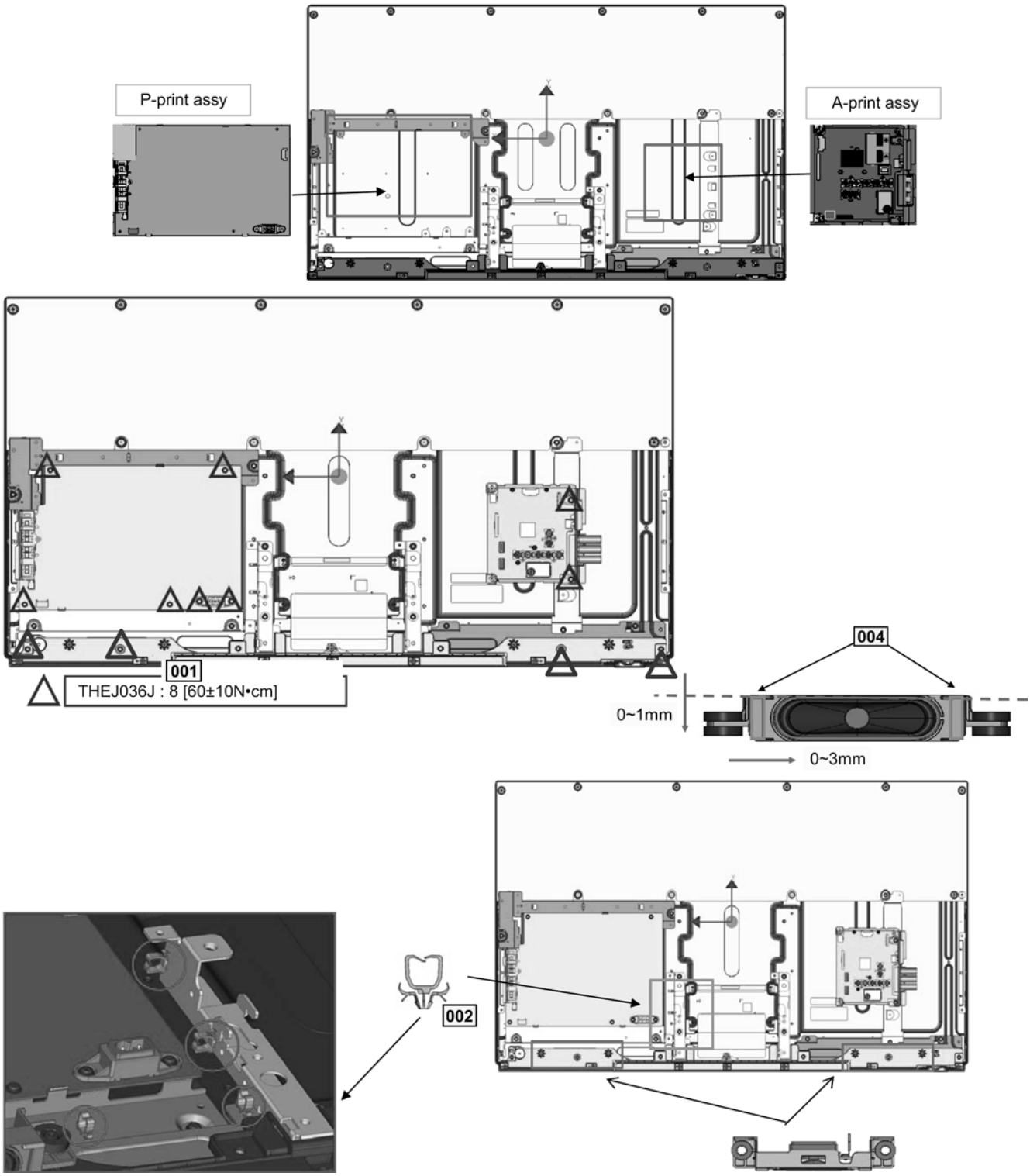


For Positioning
① -> ② -> ③ -> ④
A ->B

No	Description	Qty	UOM	Remarks
001	SCREW (METAL10)	10	PC	5-7 Kgfcm
002	SCREW (BTM_METAL2)	2	PC	5-7 Kgfcm

7.7. A-Print & P-Print Board

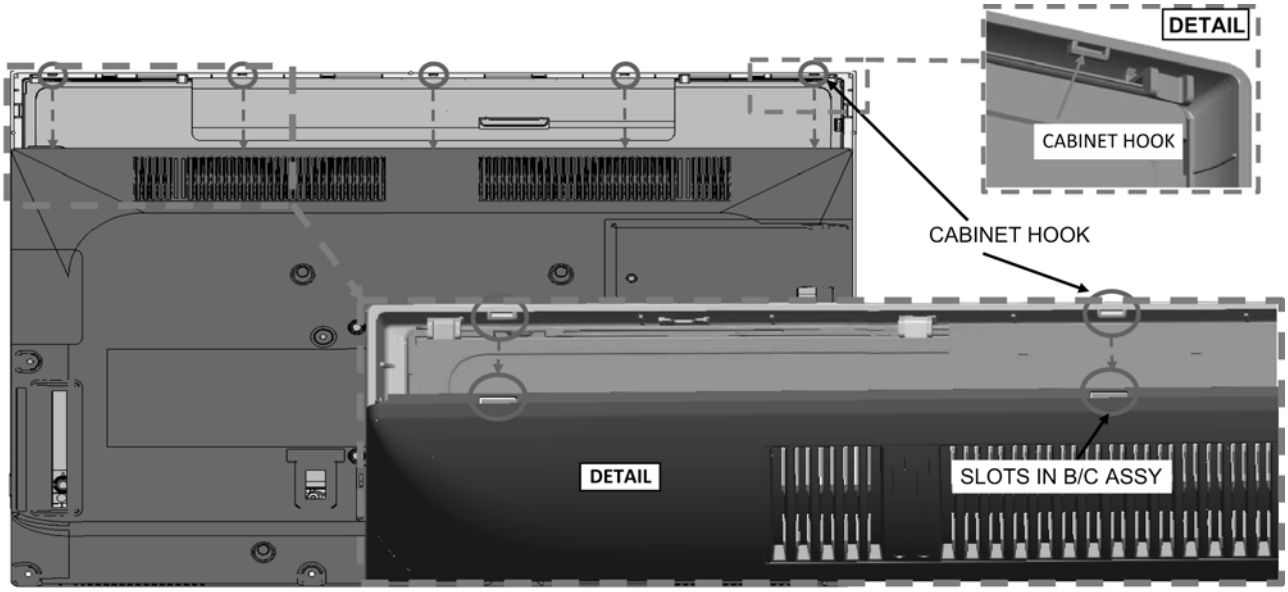
1. Insert P-Print and A-Print board at panel.
2. Fixing all screw at board and bracket.



No	Description	Qty	UOM	Remarks
001	SCREW (A2/P6/BTM_COVER4)	12	PC	5-7 Kgfcm
002	CLAMPER	4	PC	
003	SPEAKER_UNIT	2	PC	
004	SPONGE (T8 × 22 × 5)	4	PC	

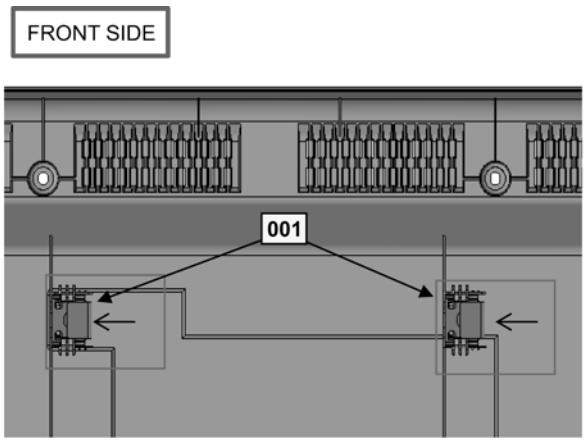
7.8. Installation Back Cover Assy

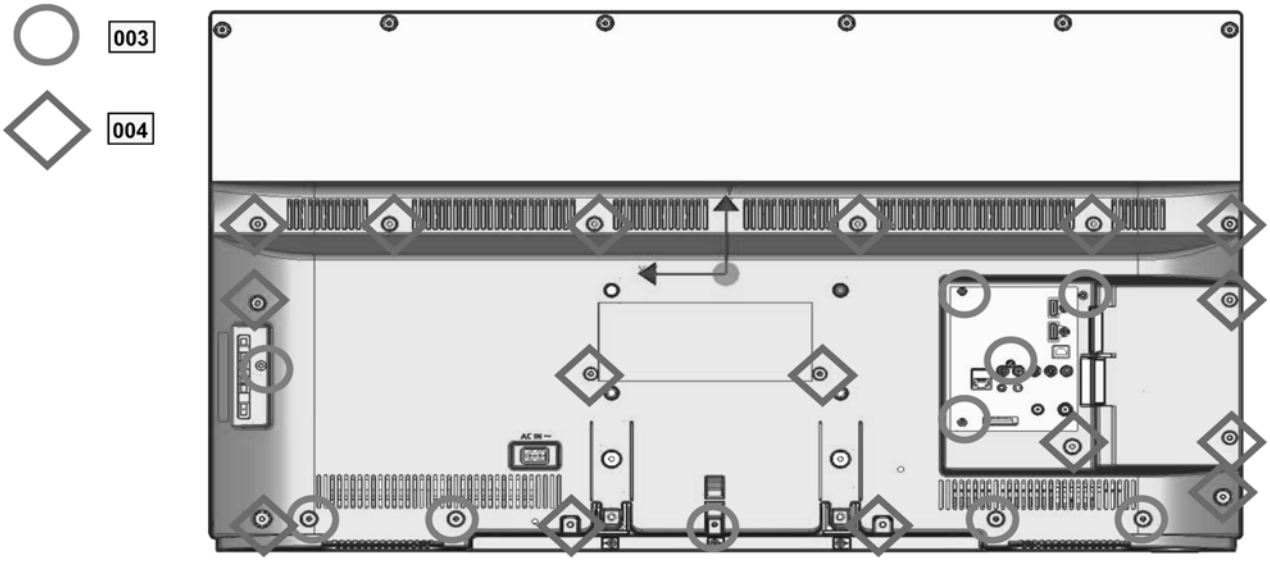
1. Attach back cover assy follow picture below.
2. Click slots on back cover into the hooks on cabinet.
3. Make sure follow all caution points.



7.9. B/Cover

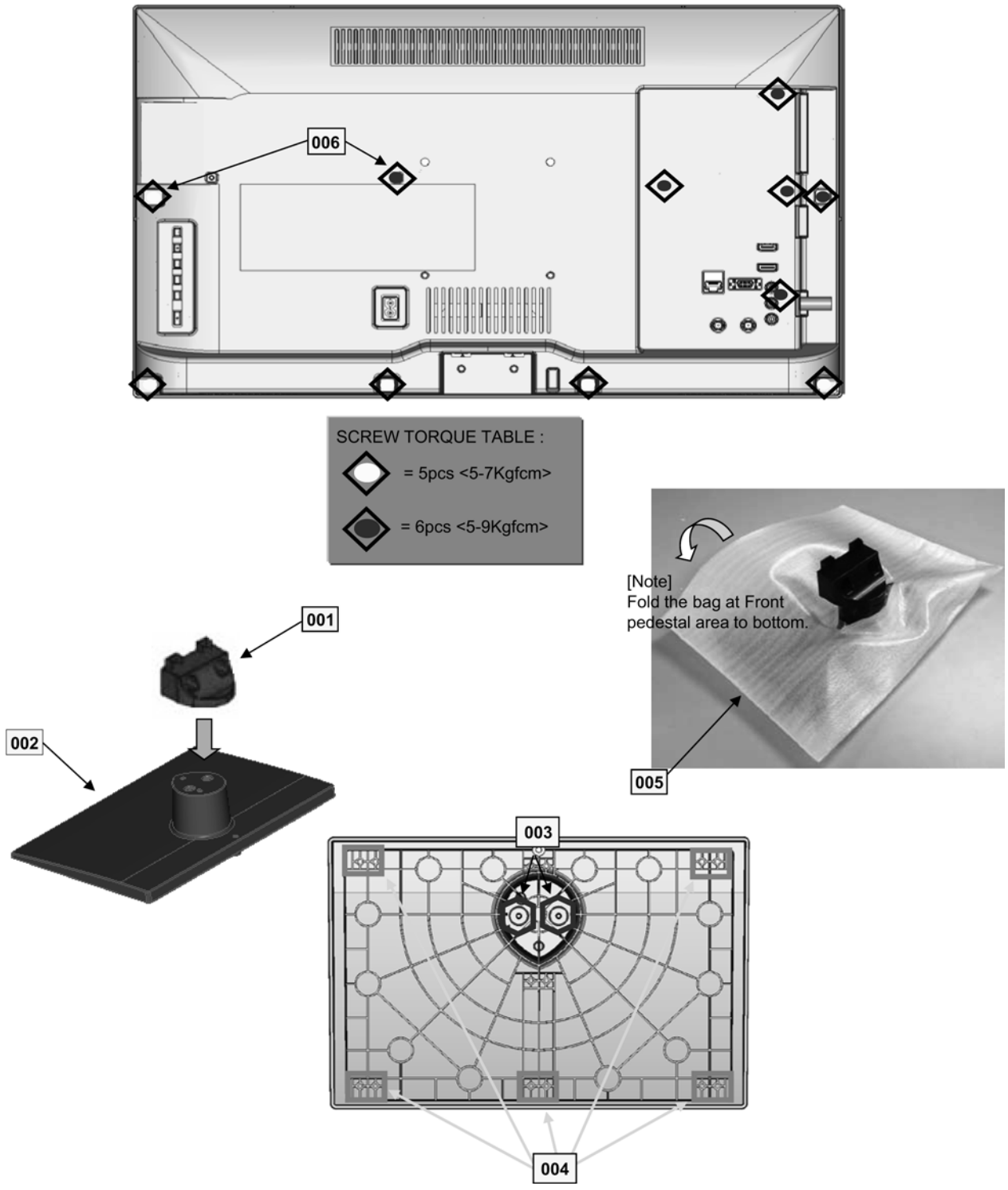
1. Install Vesa Metal.
2. Fixing screw follow torque spec.





No	Description	Qty	UOM	Remarks
001	VESA_METAL_BC	12	PC	
002	BACK_COVER	1	PC	
003	SCREW	10	PC	5-7 Kgfcm
004	SCREW (BC16)	16	PC	5-7 Kgfcm

7.10. B/Cover & Pedestal



No	DESCRIPTION	Qty	UOM	Remarks
001	STAND MOULD	1	PC	
002	BASE COVER	1	PC	
003	SCREW	2	PC	4-8Kgfcm
004	RUBBER FOOT	5	PC	
005	BAG FOR PEDESTAL	1	PC	
006	SCREW (BC11)	11	PC	Refer spec table.

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.

Power Supply Name	Measurement Point	Specification (V)	Remark
TNR1.8V	TP8705	1.74 - 1.90	-
VCCK1.1V	TP8700	1.14 ~ 1.28	-
SUB3.3V	TP8711	3.19 - 3.46	-
SUB5V	TP8702	4.9 - 5.2	-
PNL12V	TP8300	11.5 - 12.5	-
DDR1.8V	TP8707	1.75 ~ 1.85V	-
STB3.3V	TP8708	3.2V ~ 3.40V	-
TNR3.3V	TP6701	3.2V ~ 3.4V	-

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.

Voltage	Test Point	Specification	
		Operate	STBY
5.3V	TP7507	5.2 ± 0.2V	5.2 ± 0.2V
16V	TP7508	15.8 ± 0.5V	-
24V	TP7511	24.0 ± 2.4V	-

NOTE: GND REFERENCE TP7520/ TP7521/ TP7522 (COLD SIDE)

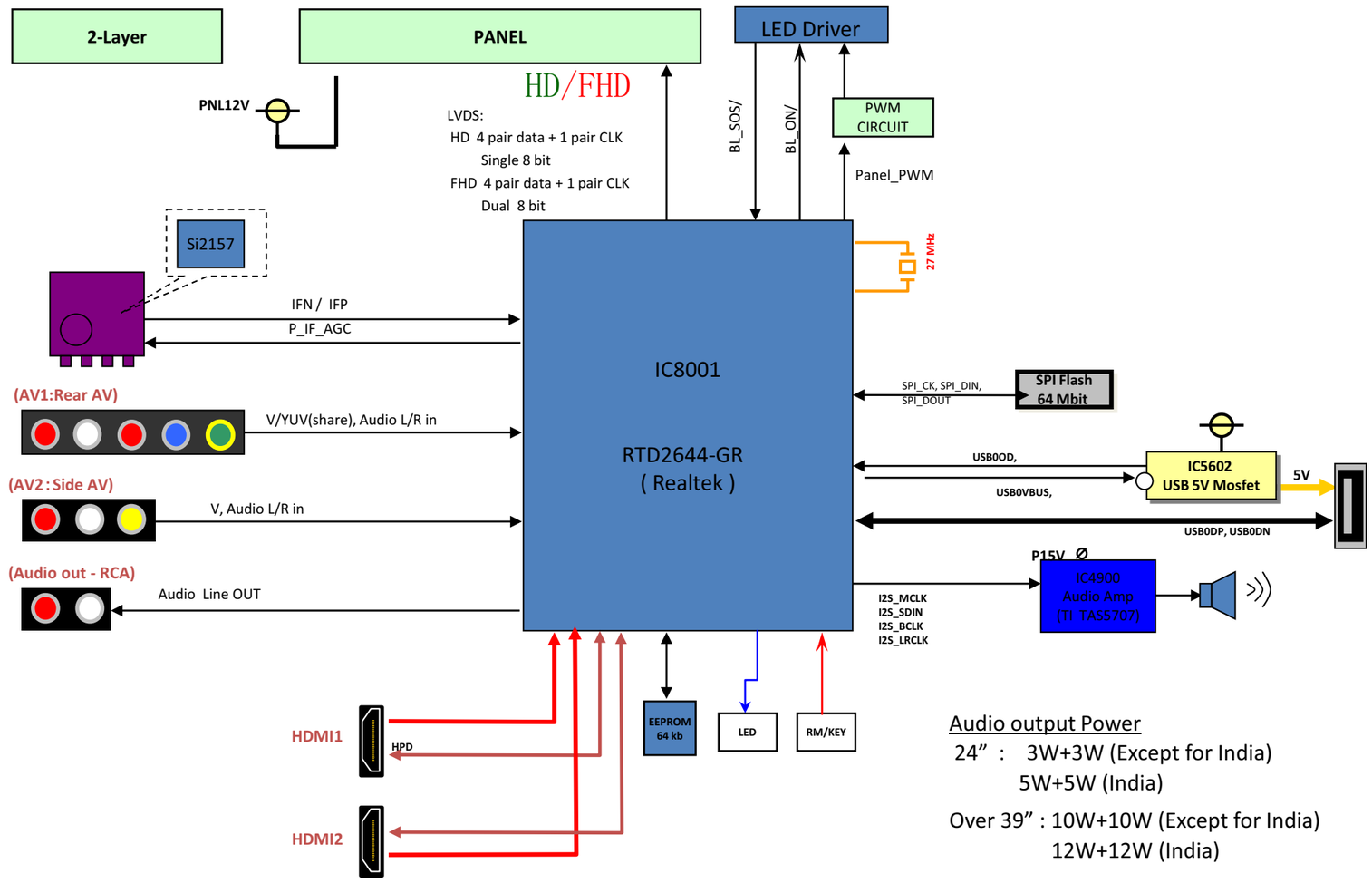
Step 1 Supply AC 100V/230 to JK7101 connector in the P-Board. Main power button is OFF.

Step 2 Supply DC 2.5V to TV_SUB_ON P2 connector - pin 8 (TP7416), displayed as SWITCH.

NOTE : GND REFERENCE TP7413/TP7414/TP7415/TP7515/TP7516/TP7517 (COLD SIDE)

9 Block Diagram

9.1. Main Block Diagram



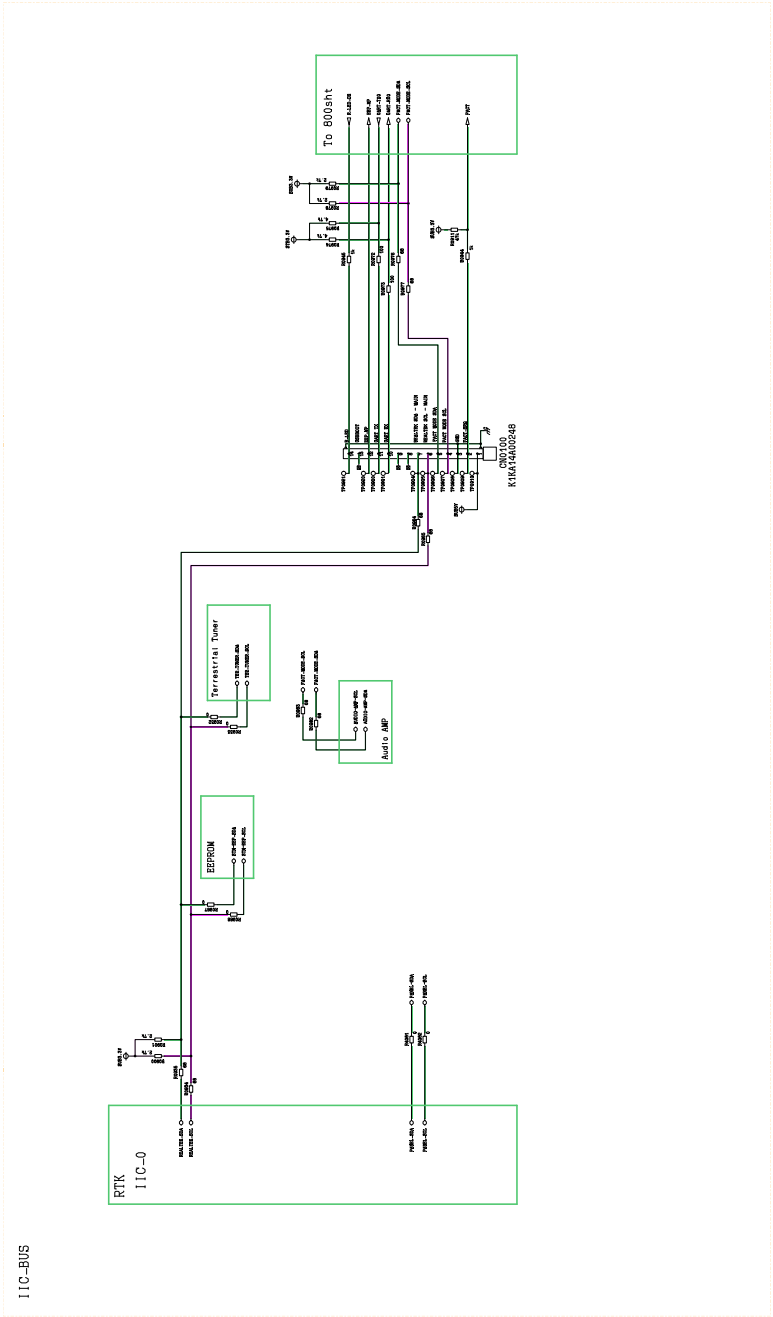
Audio output Power

24” : 3W+3W (Except for India)
5W+5W (India)

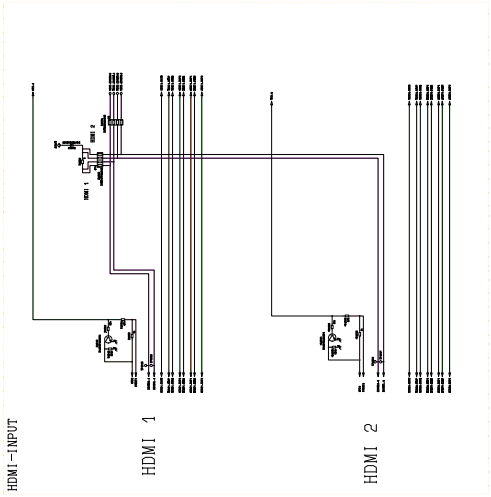
Over 39” : 10W+10W (Except for India)
12W+12W (India)

10 Schematic Diagram

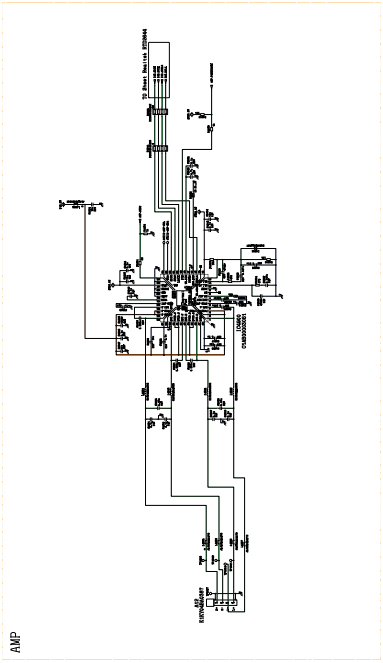
Model No. : TH-40A400X A-Board (1/12)



SHEET 002
I I C
REF No. 0900 - 0999



[Block Name]
HDMI Connector IF
REF No. 4500 - 4749
[Net Variation]

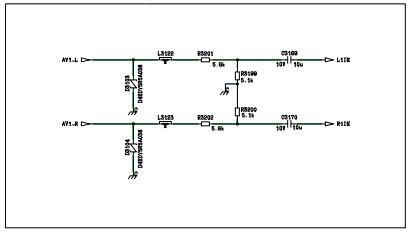


SHEET 003
HDMI/AudioAMP
REF No. 4500 - 4749

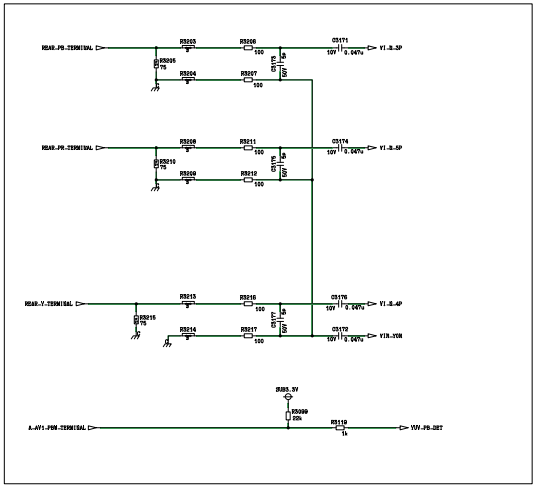
SHEET 004
ANSW—Connection

REF No. 3050 – 3249

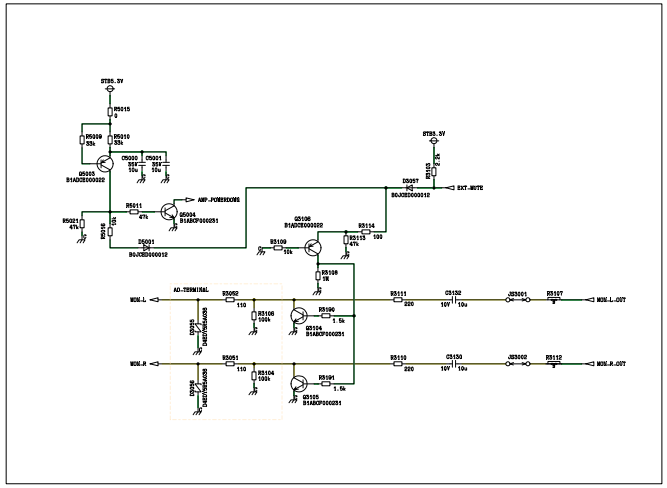
AV1 ／ Component AUDIO



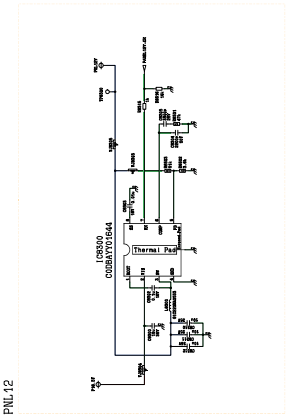
AV1 CVBS ／YPbPr

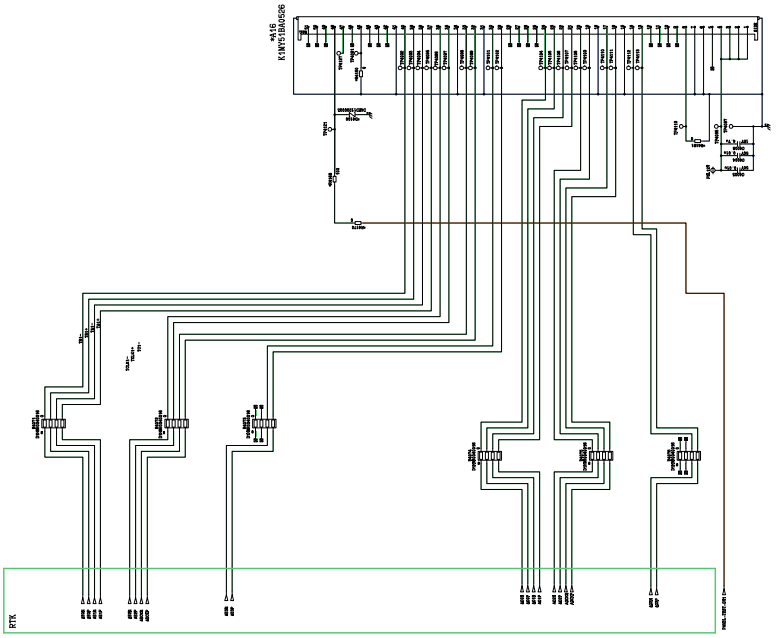


MONITOR OUT



[Block Name]





SHEET 009
LVDS-IF
REF No. 4000 - 4499

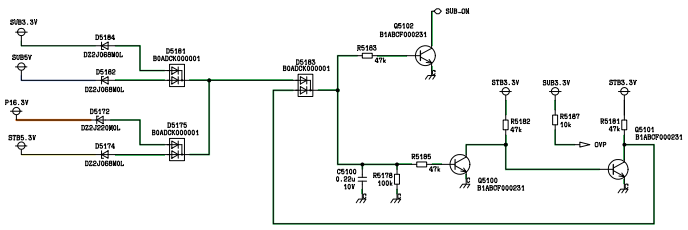
SHEET 100
SOS ／ ASIC

REF No. 5170 － 5199

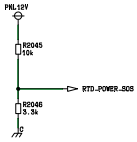
[Net Variation]

LCD

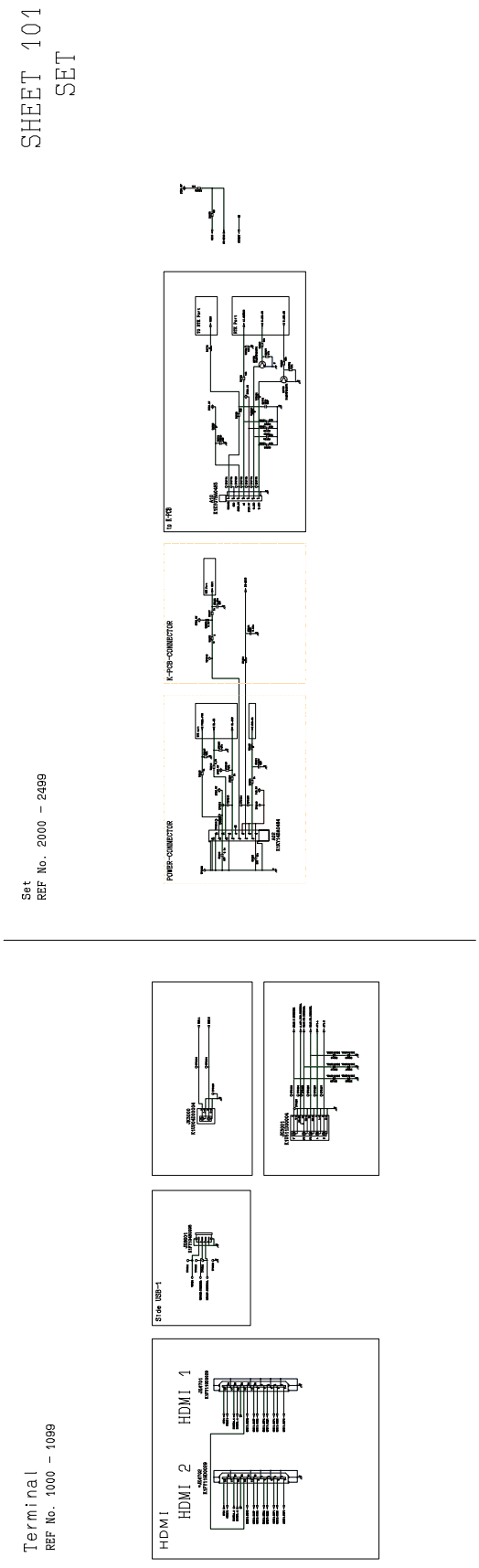
OVP SENSE



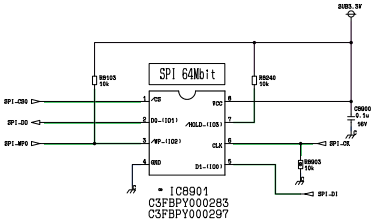
SOS_SENSE



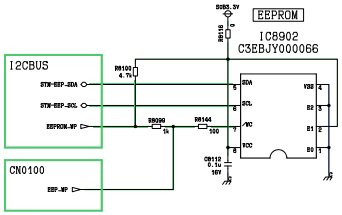
Model No. : TH-40A400X A-Board (6/12)



SPI_ROM



STM_EEPROM



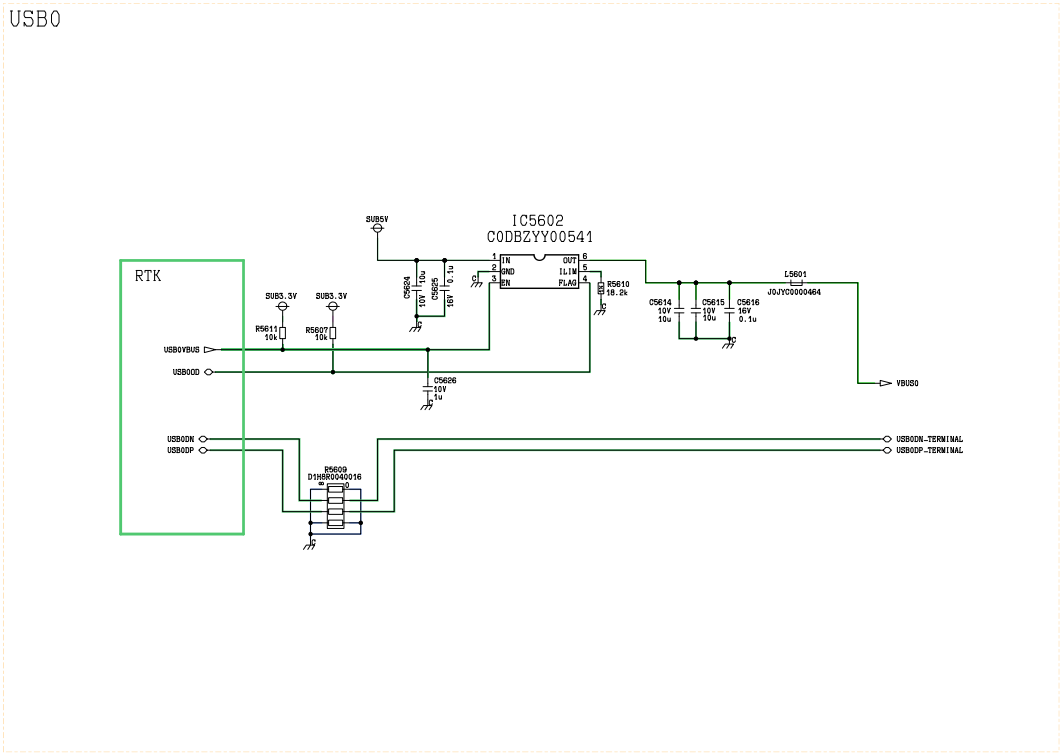
SHEET 300

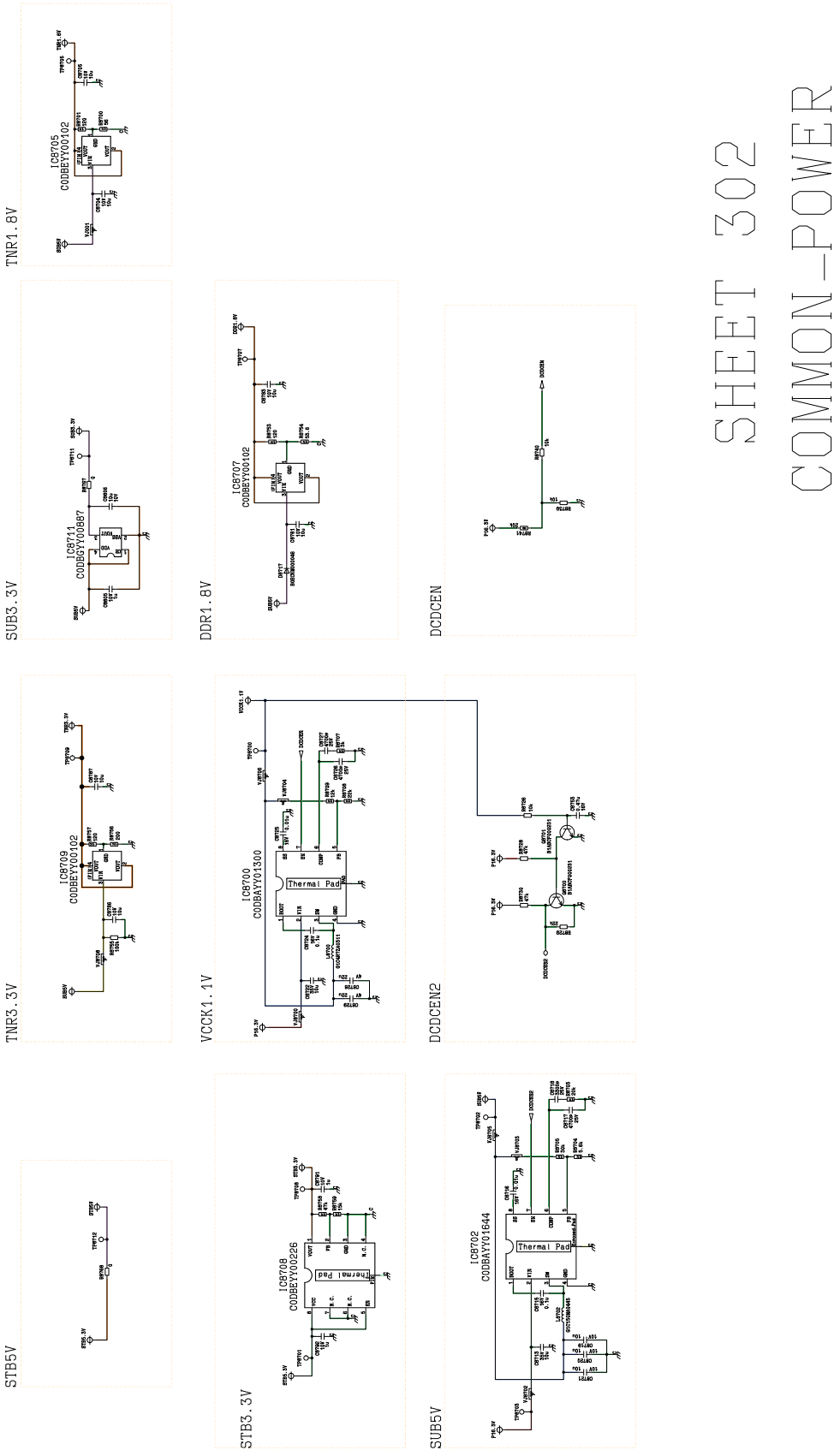
SPI ／ E2PROM

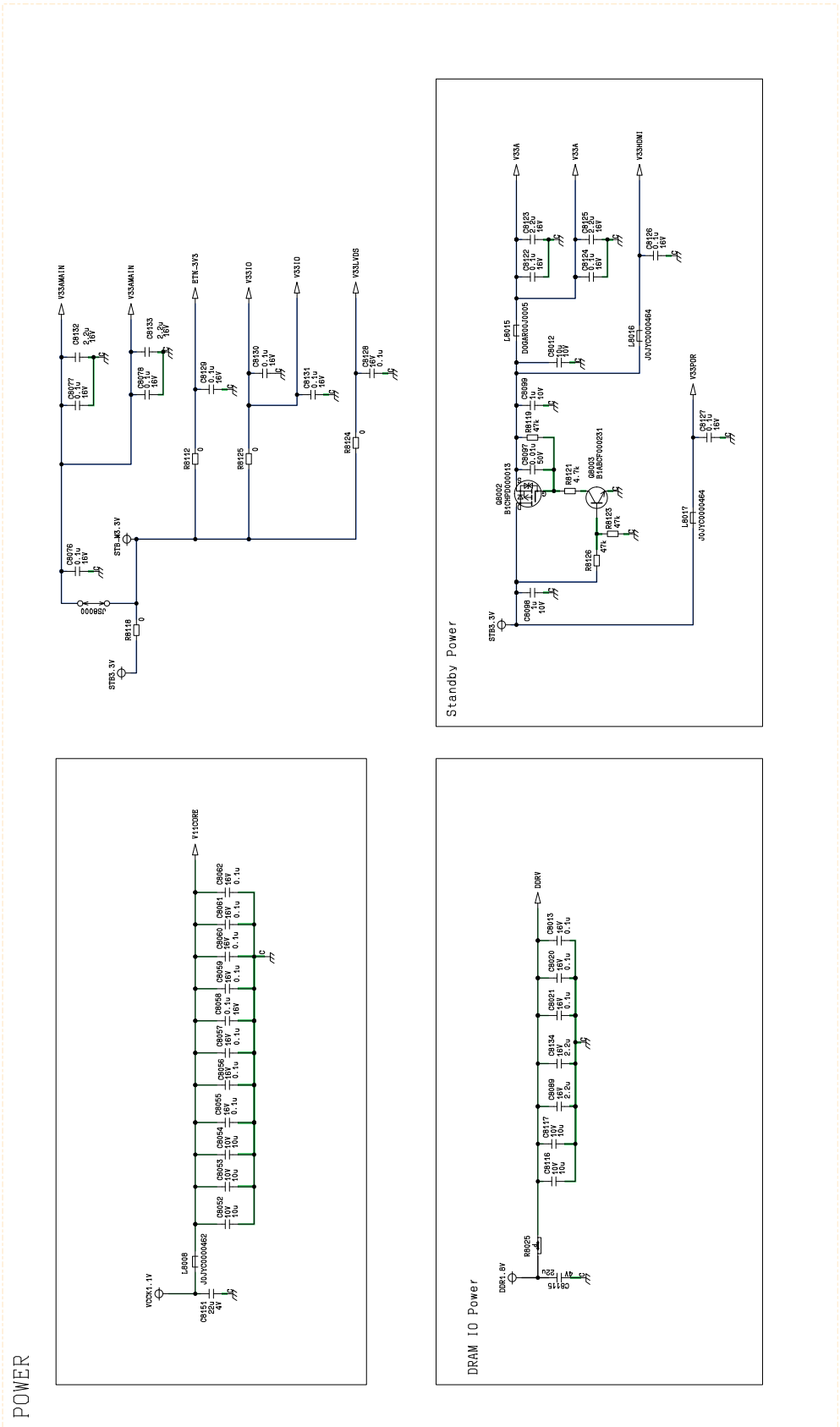
SHEET 301

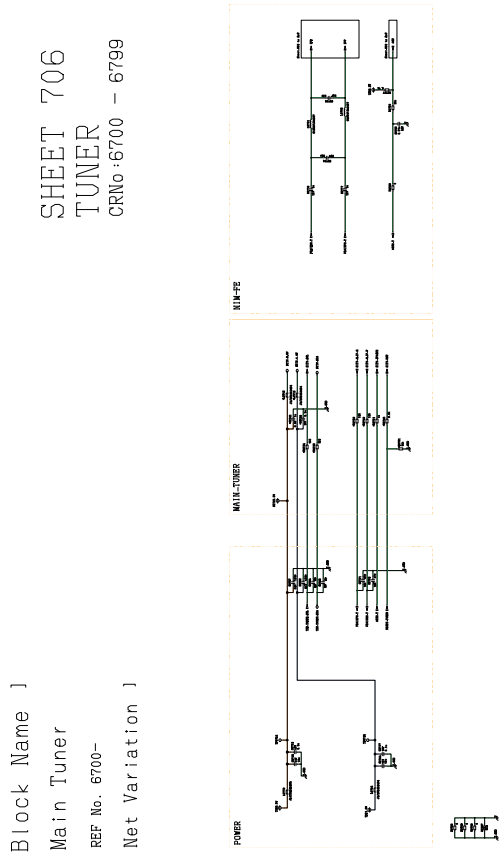
USB

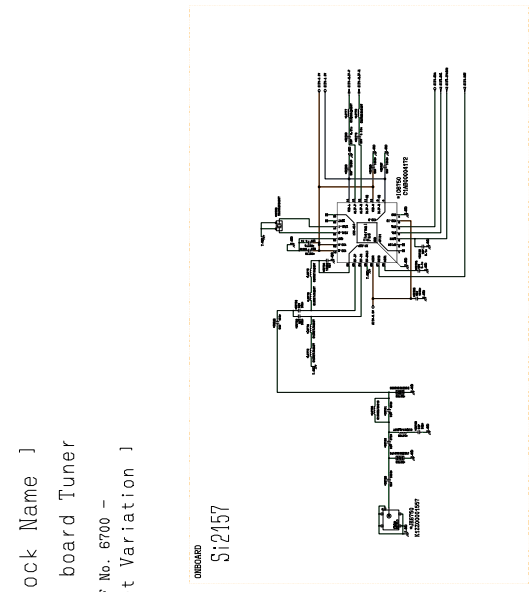
REF No. 5600 – 5649



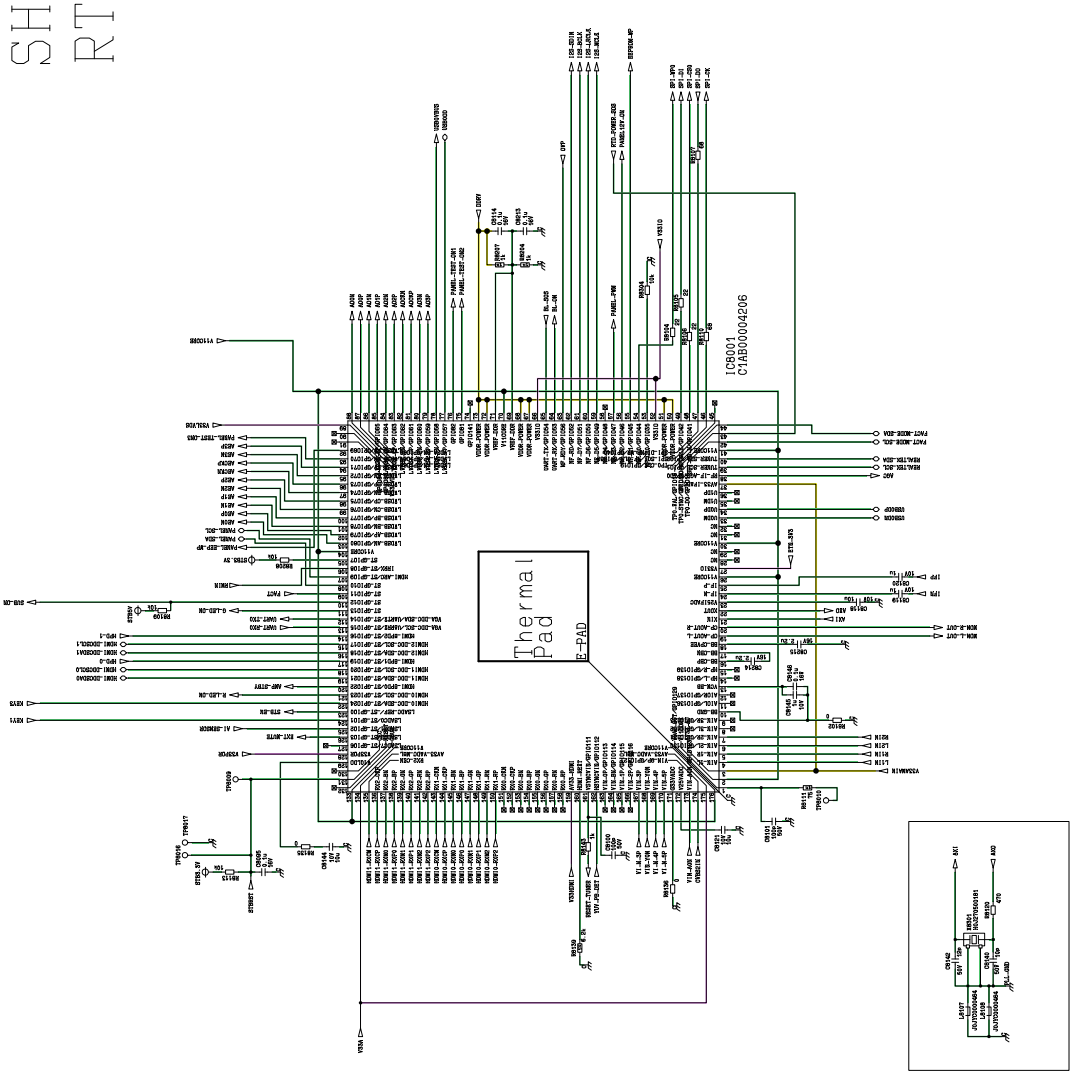

SHEET 302
COMMON_POWER
TNR1.8V
IC8705
C0DBEYY00102
SUB3.3V
IC8711
C0DBGYY00887
DDR1.8V
IC8707
C0DBEYY00102
DCDCEN
TNR3.3V
IC8709
C0DBEYY00102
VCCK1.1V
IC8700
C0DBAYY01300
Thermal Pad
DCDCEN2
STB5V
STB3.3V
IC8708
C0DBEYY00226
Thermal Pad
SUB5V
IC8702
C0DBAYY01644
Thermal Pad

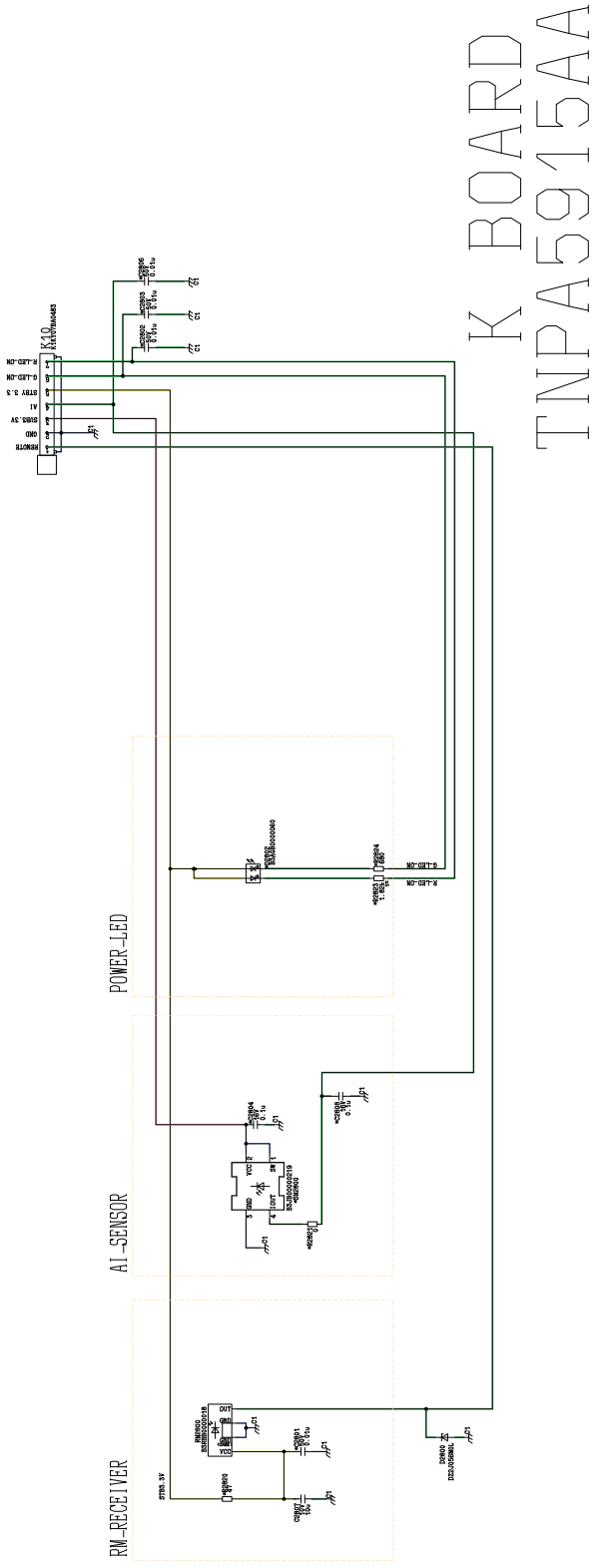

POWER
Standby Power
DRAM IO Power
POWER DEVIDING
SHEET 701
REF No. 8001 - 8099


SHEET 706
TUNER
CRNo:6700 - 6799
[Block Name]
Main Tuner
REF No. 6700-
[Net Variation]
MAIN-TUNER
POWER

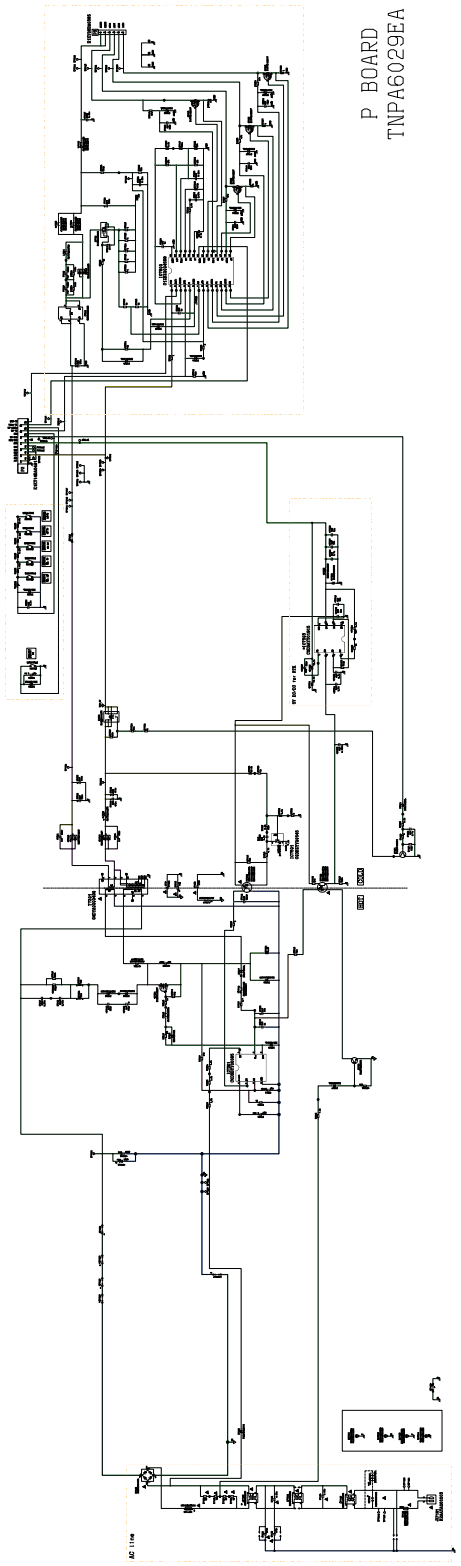

[Block Name]
On board Tuner
REF No. 6700 -
[Net Variation]
ONBOARD
SI2157

SHEET 800
RTD2644



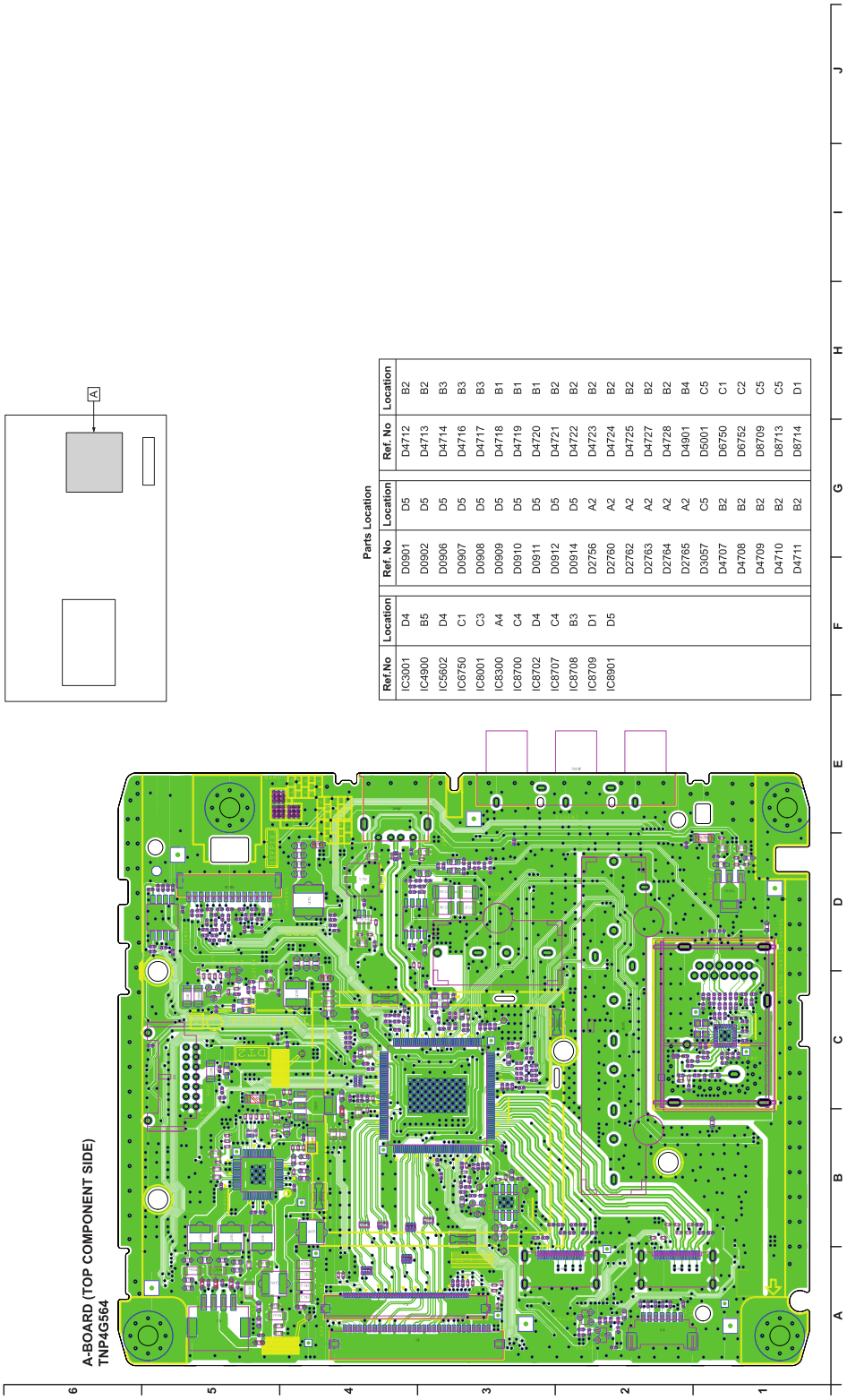

K BOARD
TNPA5915AA
POWER_LED
AI_SENSOR
RM_RECEIVER

Model No. : TH-40A400X P-Board

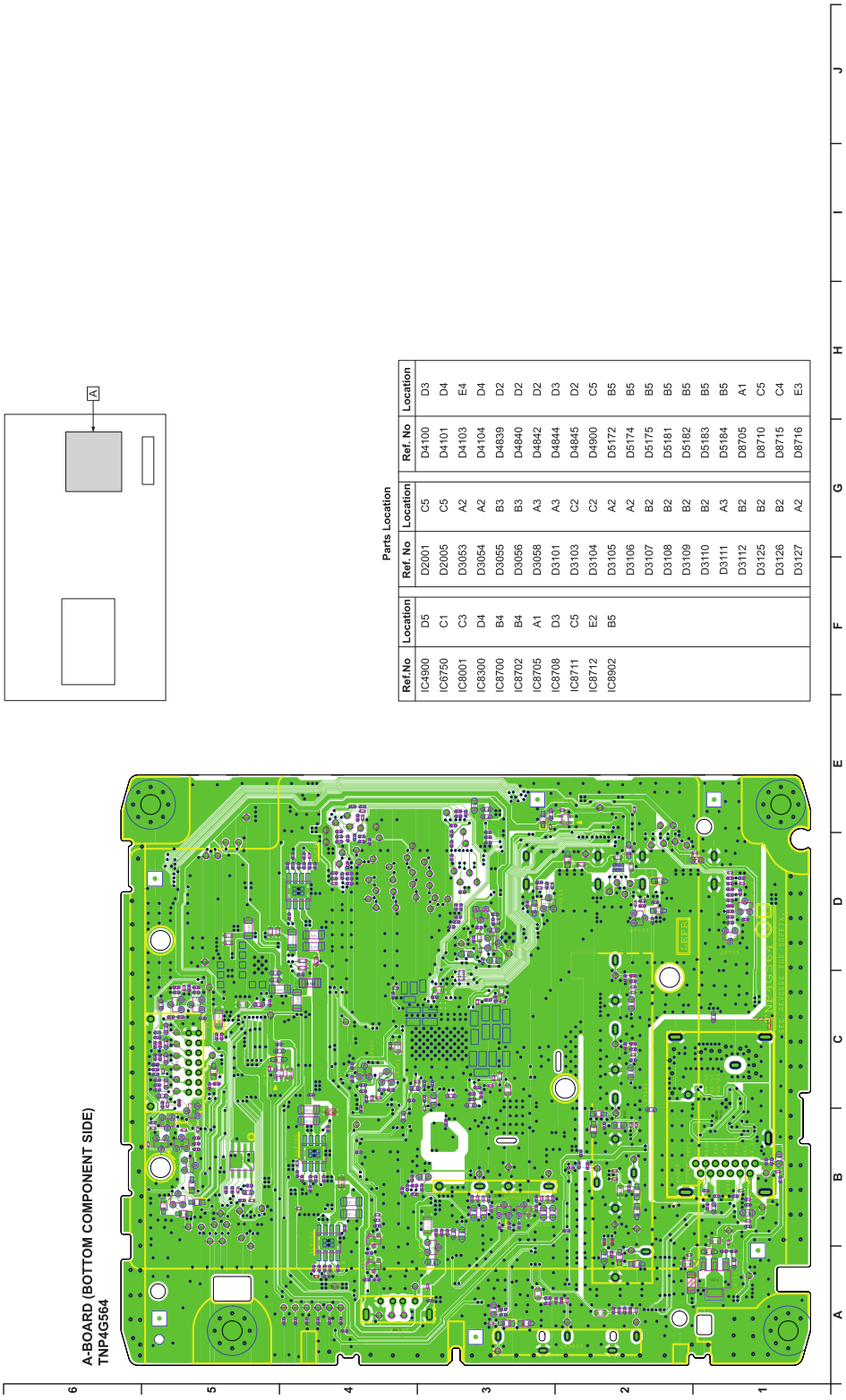


11 Printed Circuit Board

Model No. : TH-40A400X A-Board (Top Component Side)



Model No. : TH-40A400X A-Board (Bottom Component Side)



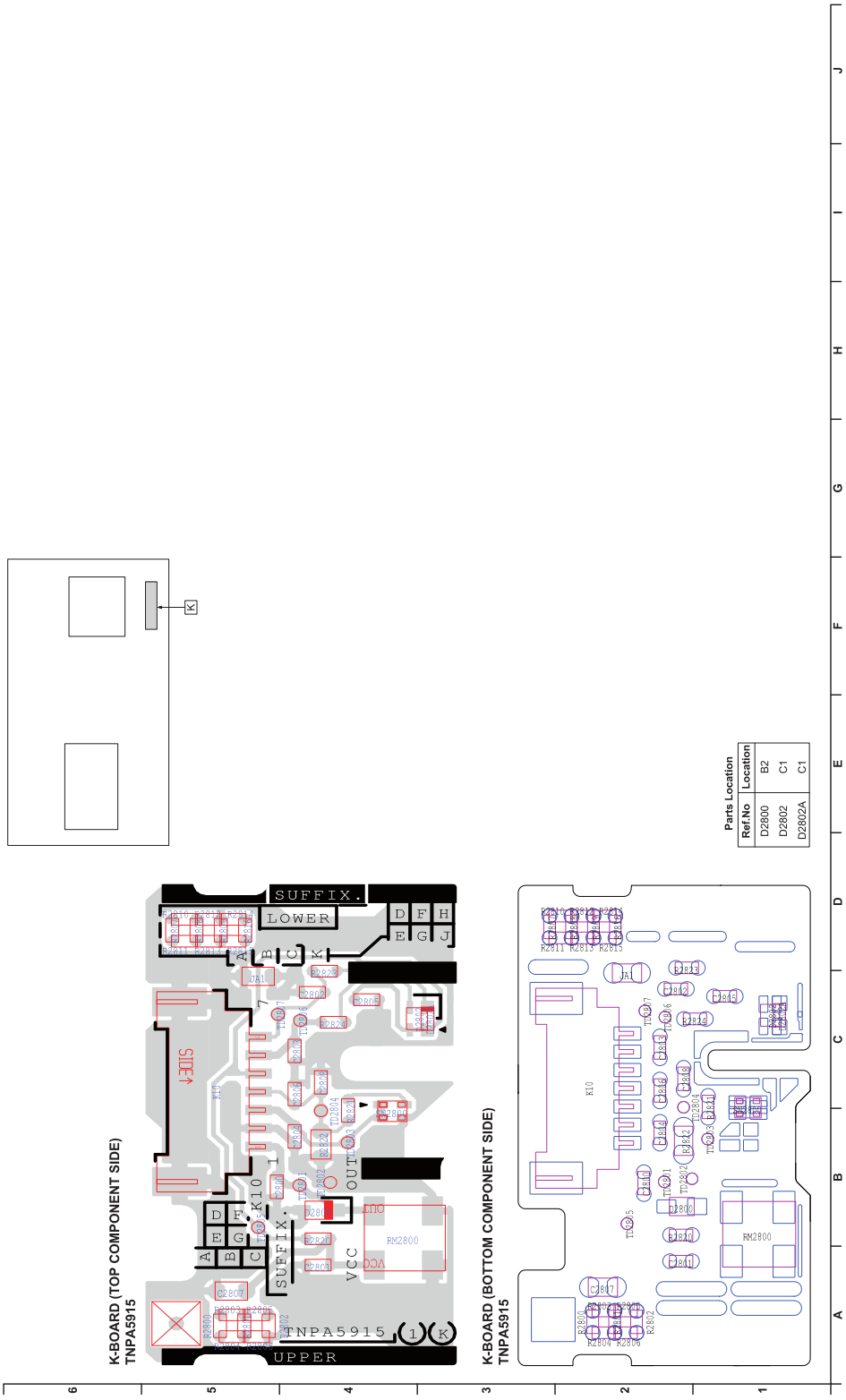
Parts Location

Ref.No	Location
IC4900	D5
IC6750	C1
IC8001	C3
IC8300	D4
IC8700	B4
IC8702	B4
IC8705	A1
IC8708	D3
IC8711	C5
IC8712	E2
IC8902	B5

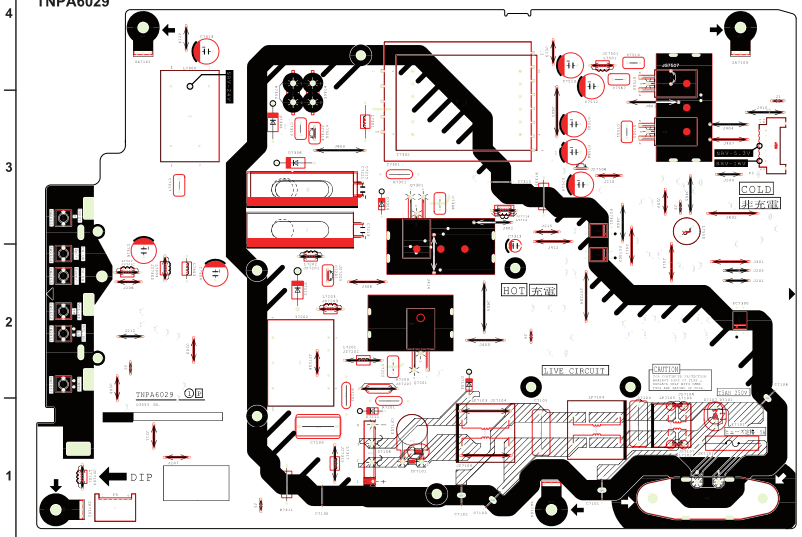
Ref. No	Location
D2001	C5
D2005	C5
D3053	A2
D3054	A2
D3055	B3
D3056	B3
D3058	A3
D3101	A3
D3103	C2
D3104	C2
D3105	A2
D3106	A2
D3107	B2
D3108	B2
D3109	B2
D3110	B2
D3111	A3
D3112	B2
D3125	B2
D3126	B2
D3127	A2

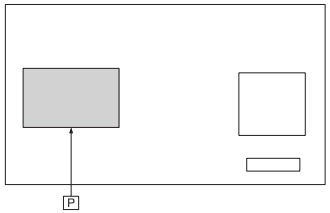
Ref. No	Location
D4100	D3
D4101	D4
D4103	E4
D4104	D4
D4839	D2
D4840	D2
D4842	D2
D4844	D3
D4845	D2
D4900	C5
D5172	B5
D5174	B5
D5175	B5
D5181	B5
D5182	B5
D5183	B5
D5184	B5
D8705	A1
D8710	C5
D8715	C4
D8716	E3

Model No. : TH-40A400X K-Board



P-BOARD (TOP COMPONENT SIDE)
TNPA6029

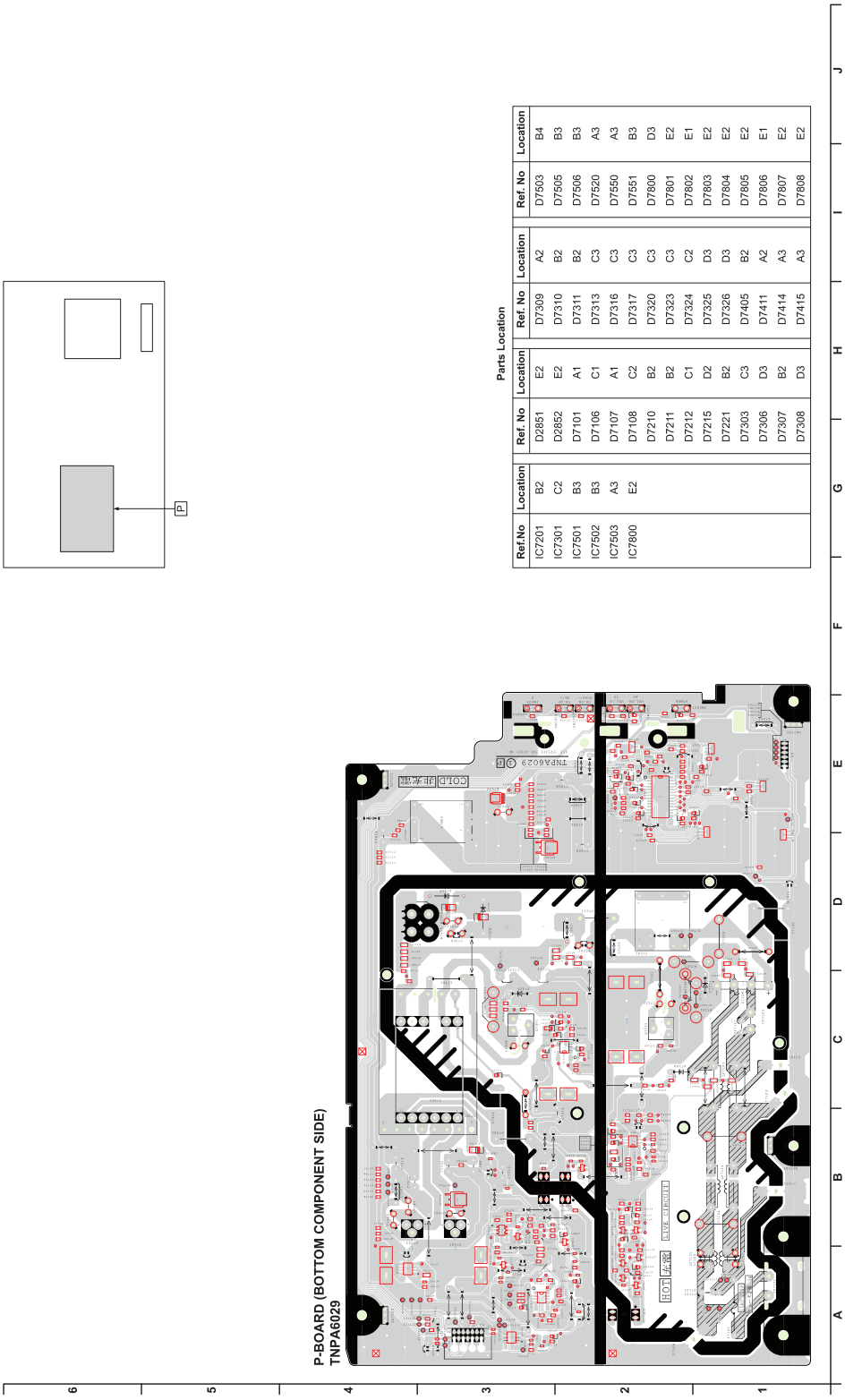




Parts Location

Ref.No	Location	Ref. No	Location	Ref. No	Location	Ref. No	Location
IC7501	E3	D2851	A2	D7309	E2	D7415	E3
		D2852	A2	D7310	E2	D7503	E4
		D7101	E2	D7311	D2	D7505	E3
		D7106	C1	D7313	C2	D7506	D3
		D7107	E1	D7316	C3	D7520	E3
		D7108	C2	D7317	C3	D7550	E3
		D7210	D2	D7320	C3	D7801	B2
		D7211	D2	D7323	C2	D7802	A1
		D7212	C1	D7324	C2	D7803	A2
		D7215	B2	D7325	B3	D7804	A2
		D7221	D2	D7326	B3	D7805	A2
		D7306	B3	D7405	E2	D7806	B2
		D7307	D2	D7411	E2	D7807	B2
		D7308	B3	D7414	E3	D7808	A2

Model No. : TH-40A400X P-Board (Bottom Component Side)



Parts Location

Ref.No	Location
IC7201	B2
IC7301	C2
IC7501	B3
IC7502	B3
IC7503	A3
IC7800	E2

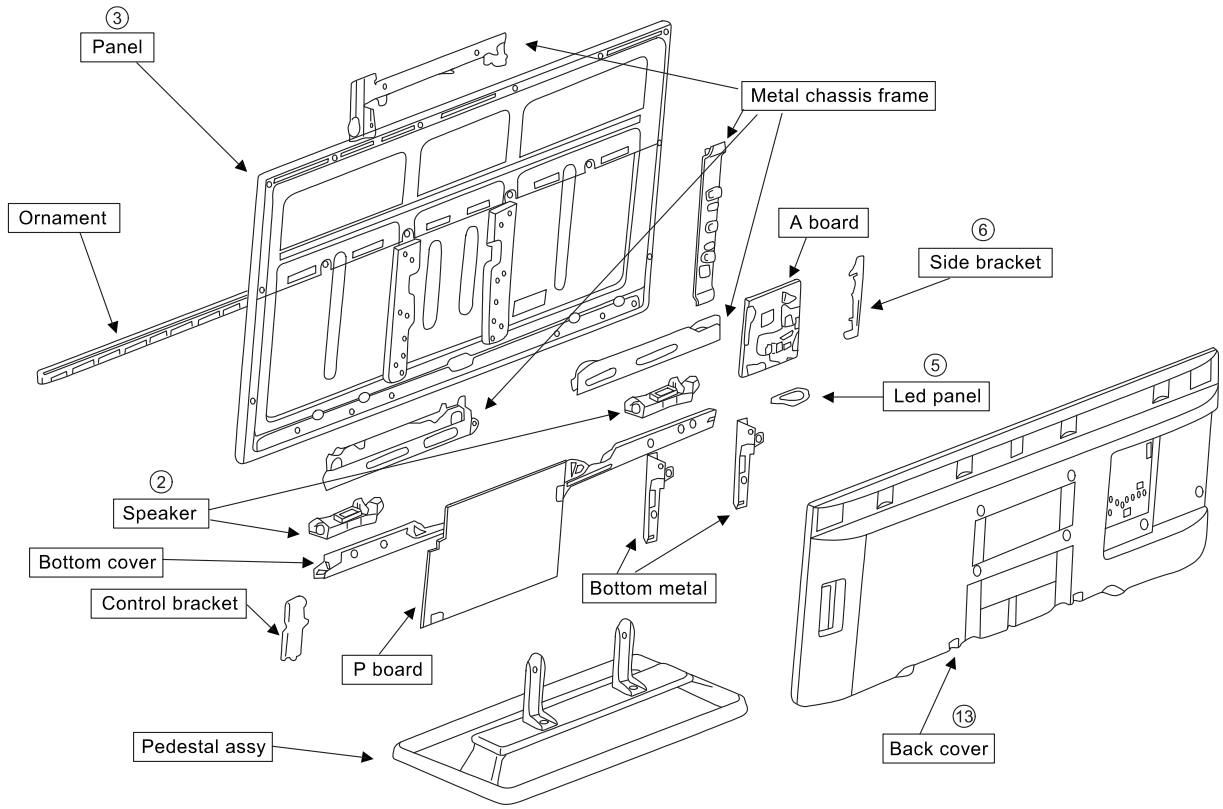
Ref. No	Location
D2851	E2
D2852	E2
D7101	A1
D7106	C1
D7107	A1
D7108	C2
D7210	B2
D7211	B2
D7212	C1
D7215	D2
D7221	B2
D7303	C3
D7306	D3
D7307	B2
D7308	D3

Ref. No	Location
D7309	A2
D7310	B2
D7311	B2
D7313	C3
D7316	C3
D7317	C3
D7320	C3
D7323	C3
D7324	C2
D7325	D3
D7326	D3
D7405	B2
D7411	A2
D7414	A3
D7415	A3

Ref. No	Location
D7503	B4
D7505	B3
D7506	B3
D7520	A3
D7550	A3
D7551	B3
D7800	D3
D7801	E2
D7802	E1
D7803	E2
D7804	E2
D7805	E2
D7806	E1
D7807	E2
D7808	E2

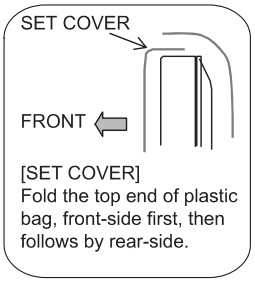
12 Exploded View and Replacement Parts List

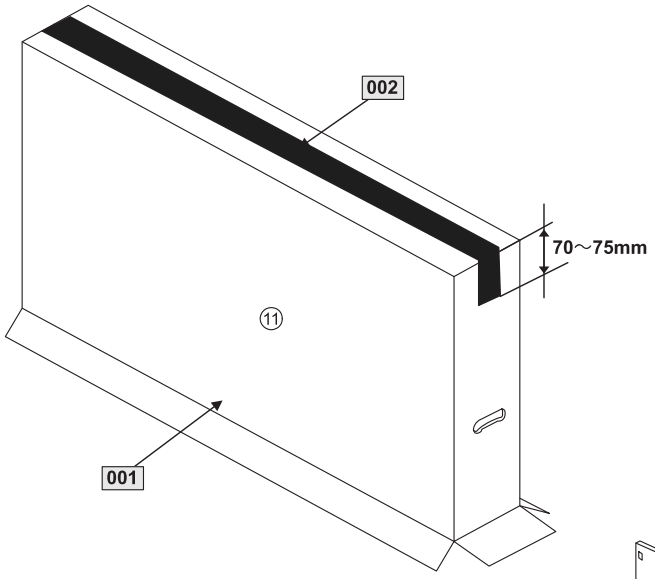
Model No. : TH-40A400X Parts Location

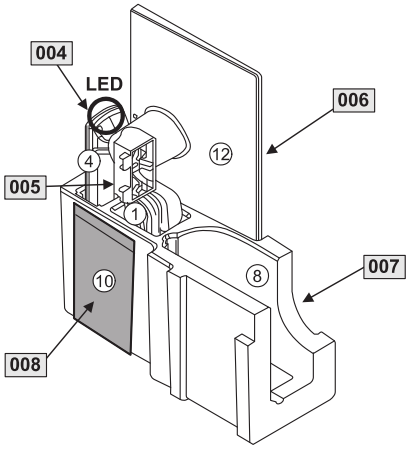


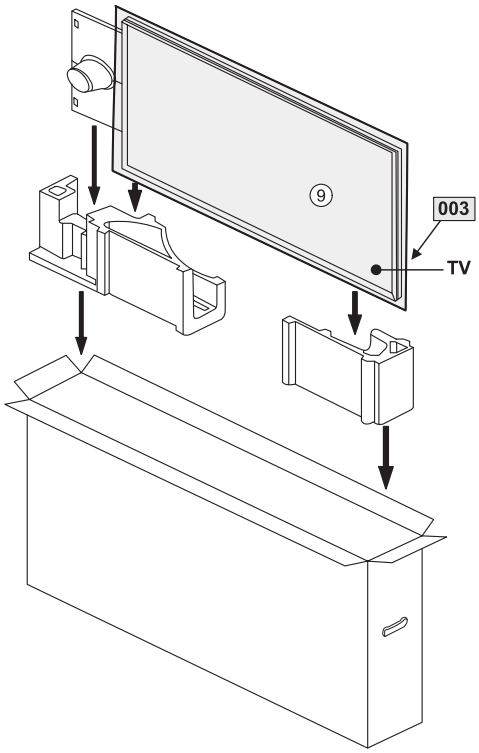
Model No. : TH-40A400X Packing Exploded View 1

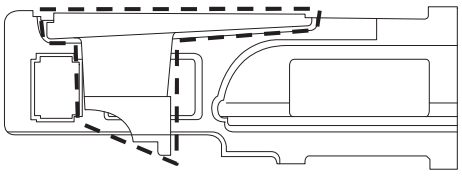
No	Part No	Description	Qty	UOM
001	TPC4GA28902	PACKING CASE	1	PC
002	T5EJ28720	PP TAPE (BTM1.1/TOP1.1)	2.2	MT
003	TPE4GH093	SET COVER	1	PC
004	N2QAYB000823	REMOTE TRANSMITTER	1	PC
005	K2CQ2YY00122	AC CORD	1	PC
006	TBL5ZX05931	PEDESTAL ASSY	1	PC
007	TPD4GA04981	CUSHION BOTTOM	1	PC
008	TQZ4GB877	FAN BAG ASSY	1	PC







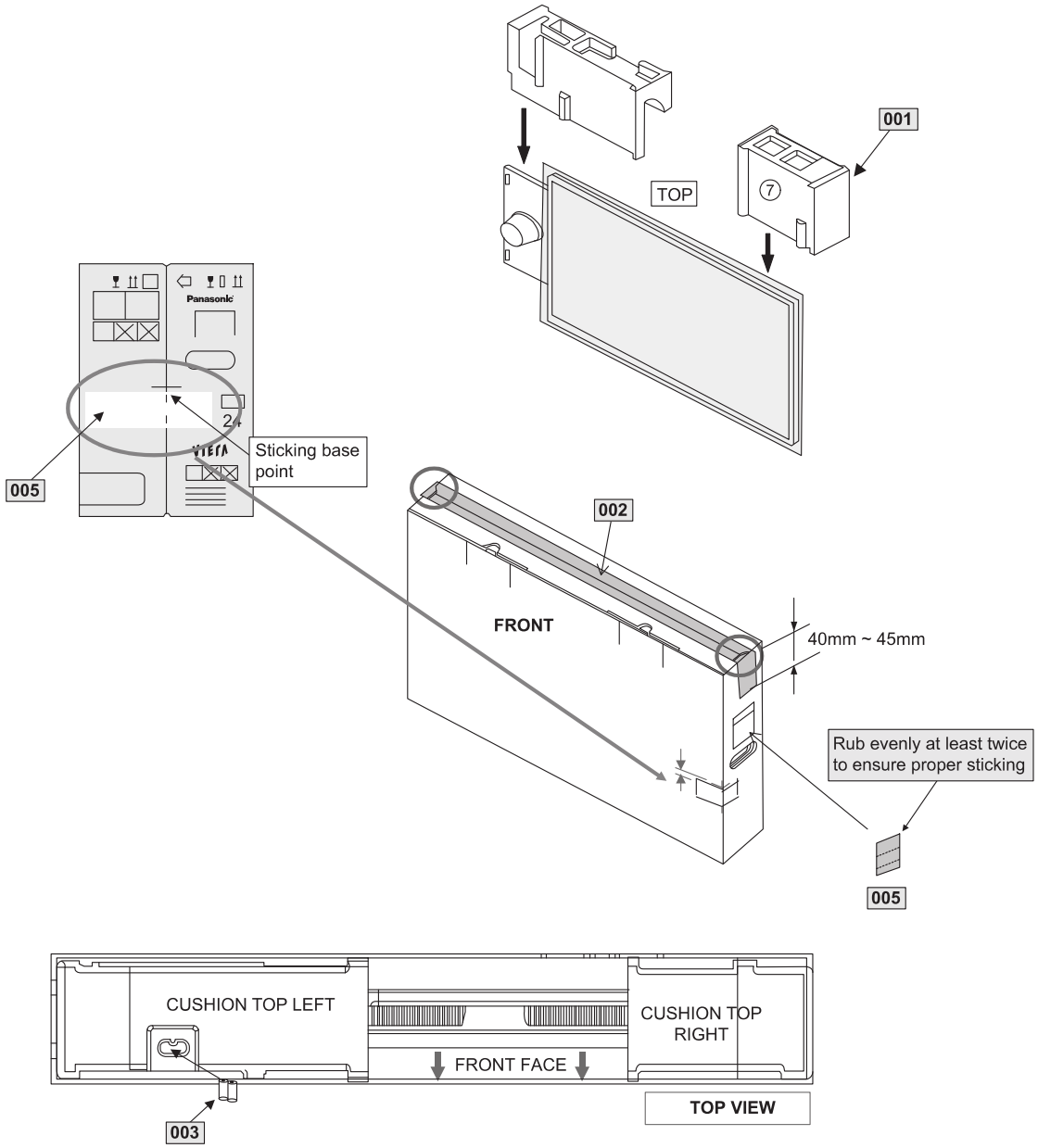




PEDESTAL ORIENTATION POSITION

Model No. : TH-40A400X Packing Exploded View 2

No	Item	Description	Qty	UOM
001	TPD4GA04971	CUSHION TOP	1	PC
002	T5EJ28720	PP TAPE(BTM1.1/TOP1.1)	2.2	MT
003	R6UWC/2SKD	BATTERY	1	PC
004	TQD4G19062	BARCODE LABEL	1	PC
005	TQF4GK243	CARTON LABEL	1	PC



Model No. : TH-40A400X Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
CAPACITORS						
		C2001	F1G1E103A172	C 0.01UF, 50V		
		C2008	F1K1V106A010	C 10UF, 25V		
		C2009	F1G1C104A146	C 0.1UF 16V		
		C2010	F1G1C103A173	C 0.01UF, 16V		
		C2011	F1G1H102A946	C 1000PF, 50V		
		C2751	F1G1H102A946	C 1000PF, 50V		
		C2752	F1G1H102A946	C 1000PF, 50V		
		C2753	F1G1H102A946	C 1000PF, 50V		
		C2754	F1G1H102A946	C 1000PF, 50V		
		C2755	F1G1H102A946	C 1000PF, 50V		
		C2775	F1G1H101A948	C 100PF, 50V		
		C2801	F1H1H103B047	C 0.01UF, 50V		
		C2802	F1H1H103B047	C 0.01UF, 50V		
		C2803	F1H1H103B047	C 0.01UF, 50V		
		C2804	F1H1C104A178	C 0.1UF, 16V		
		C2806	F1H1H103B047	C 0.01UF, 50V		
		C2807	F1J1A106A043	C 10UF, 10V		
		C2808	F1H1C104A178	C 0.1UF, 16V		
		C2851	F1J1H104A902	C 0.1UF, 50V		
		C2852	F1J1H104A902	C 0.1UF, 50V		
		C3130	F1J1A106A043	C 10UF, 10V		
		C3132	F1J1A106A043	C 10UF, 10V		
		C3169	F1J1A106A043	C 10UF, 10V		
		C3170	F1J1A106A043	C 10UF, 10V		
		C3171	F1G1A473A069	C0.047UF, 10V		
		C3172	F1G1A473A069	C0.047UF, 10V		
		C3173	F1G1H5R0A947	C 1500PF, 50V		
		C3174	F1G1A473A069	C0.047UF, 10V		
		C3175	F1G1H5R0A947	C 1500PF, 50V		
		C3176	F1G1A473A069	C0.047UF, 10V		
		C3177	F1G1H5R0A947	C 1500PF, 50V		
		C4003	F1H1H103B047	C 0.01UF, 50V		
		C4004	F1H1H103B047	C 0.01UF, 50V		
		C4008	F1J1C475A225	C 4.7UF, 10V		
		C4900	F1K1V106A010	C 10UF, 25V		
		C4905	F1G1E103A172	C 0.01UF, 50V		
		C4906	F1K1V106A010	C 10UF, 25V		
		C4907	F1H1H104B047	C 0.1UF, 50V		
		C4908	F1H1H104B047	C 0.1UF, 50V		
		C4910	F1J1H474A918	C 0.47UF, 50V		
		C4914	F1J1A106A043	C 10UF, 10V		
		C4915	F1G1C104A184	C 0.1UF, 16V		
		C4916	F1J1C475A225	C 4.7UF, 10V		
		C4917	F1H1H104B047	C 0.1UF, 50V		
		C4918	F1G1E333A144	C 0.033UF 25V		
		C4920	F1H1H104B047	C 0.1UF, 50V		
		C4921	F1G1E333A144	C 0.033UF 25V		
		C4922	F1G1E333A144	C 0.033UF 25V		
		C4924	F1H1H105B027	C 0.1UF , 25V		
		C4925	F1H1H222B047	C 2200PF, 50V		
		C4926	F1H1H473B047	C 0.047UF, 50V		
		C4927	F1H1H473B047	C 0.047UF, 50V		
		C4928	F1H1H472B047	C 4700PF, 50V		
		C4929	F1H1H472B047	C 4700PF, 50V		
		C4930	F1H1H104B047	C 0.1UF, 50V		
		C4931	F1H1H104B047	C 0.1UF, 50V		
		C4936	F1K1V106A010	C 10UF, 25V		
		C4937	F1G1E333A144	C 0.033UF 25V		
		C4942	F1J1H474A918	C 0.47UF, 50V		
		C4943	F1J1A106A043	C 10UF, 10V		
		C4944	F1G1C104A184	C 0.1UF, 16V		

Model No. : TH-40A400X Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C4945	F1H1H102B048	C 1000PF, 50V		
		C4946	F1H1E104A161	C 0.1UF, 25V		
		C4947	F1K1V106A010	C 10UF, 25V		
		C4948	F1H1H104B047	C 0.1UF, 50V		
		C4949	F1H1H105B027	C 1UF, 50V		
		C4950	F1H1E104A161	C 0.1UF, 25V		
		C5000	F1K1V106A010	C 10UF, 25V		
		C5001	F1K1V106A010	C 10UF, 25V		
		C5100	F1G1A224A069	C 0.22UF, 10V		
		C5614	F1J1A106A043	C 10UF, 10V		
		C5615	F1J1A106A043	C 10UF, 10V		
		C5616	F1G1C104A184	C 0.1UF, 16V		
		C5624	F1J1A106A043	C 10UF, 10V		
		C5625	F1G1C104A184	C 0.1UF, 16V		
		C5626	F1G1A105A080	C 1UF, 10V		
		C6704	F1J1A106A043	C 10UF, 10V		
		C6707	F1G1C104A184	C 0.1UF, 16V		
		C6708	F1J1A106A043	C 10UF, 10V		
		C6710	F1G1C104A184	C 0.1UF, 16V		
		C6720	F1G1C470A160	C 47PF, 16V		
		C6721	F1G1C470A160	C 47PF, 16V		
		C6723	F1G1H220A948	C 22PF, 50V		
		C6724	F1G1H220A948	C 22PF, 50V		
		C6729	F1G1C104A184	C 0.1UF, 16V		
		C6732	F1G1C103A173	C 0.01UF, 16V		
		C6736	F1G1H101A948	C 100PF, 50V		
		C6737	F1G1H101A948	C 100PF, 50V		
		C6741	F1G0J1050007	C 1UF, , 6.3V		
		C6768	F1G1H102A946	C 1000PF, 50V		
		C6769	F1G1E103A172	C 0.01UF, 50V		
		C6770	F1G1E103A172	C 0.01UF, 50V		
		C6773	F1G1H102A946	C 1000PF, 50V		
		C6774	F1G1C104A184	C 0.1UF, 16V		
		C6776	F1G1A105A080	C 1UF, 10V		
		C6777	F1G1A105A080	C 1UF, 10V		
		C6781	F1G1H471A834	C 470PF, 50V		
		C6782	F1G1H471A834	C 470PF, 50V		
		C6783	F1G1H101A948	C 1000PF, 50V		
		C6784	F1G1H200A557	C 20PF, 50V		
		C6785	F1G1H200A557	C 20PF, 50V		
		C6789	F1G1H181A834	C 180PF, 50V		
		C6790	F1G1H181A834	C 180PF, 50V		
		C6791	F1G1H102A948	C 1000PF, 50V		
		C6793	F1G1H102A948	C 1000PF, 50V		
		C6794	F1G1C104A184	C 0.1UF, 16V		
		C6795	F1G1C104A184	C 0.1UF, 16V		
		C6797	F1G1H102A946	C 1000PF, 50V		
		C6798	F1G1H102A946	C 1000PF, 50V		
		C6799	F1H1H102B052	C 1000PF, 50V		
		C6800	F1G1H101A948	C 100PF, 50V		
	⚠	C7102	F1AAF471A019	C 470PF, 240V		
	⚠	C7103	F1AAF471A019	C 470PF, 240V		
	⚠	C7104	F0CAF2240010	C 0.22UF, 240V		
	⚠	C7105	F0CAF2240010	C 0.22UF, 240V		
	⚠	C7130	F1AAF471A019	C 470PF, 240V		
		C7213	F2A2W650A304	C 65UF, 450V		
		C7215	F2A2W650A304	C 65UF, 450V		
		C7306	F1A3A221A060	C 220PF 1KV		
		C7310	F1J1H103A900	C 0.01UF, 50V		
		C7311	F1J1H102A909	C 1000pF, 50V		
		C7312	F1J1H105A919	C 1UF, 50V		
		C7313	F2A1H100A122	E 10UF, 50V		

Model No. : TH-40A400X Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7314	F1H1H102B052	C 1000PF, 50V		
		C7315	F1AAF471A019	C 470PF, 240V		
		C7317	F1J2E1030004	C 0.1PF, J,250V		
		C7318	F1J2E1030004	C 0.1PF, J,250V		
		C7319	F1A3A221A060	C 220PF 1KV		
		C7320	F1A3A221A060	C 220PF 1KV		
		C7434	F1J1C475A225	C 4.7UF, 10V		
		C7501	F1A3A221A060	C 220PF 1KV		
		C7502	F2A1J1210012	C 120UF, 63V		
		C7510	F1A3A221A060	C 220PF 1KV		
		C7512	F2A1E4710124	C 470UF, 25V		
		C7513	F2A1E4710124	C 470UF, 25V		
		C7523	F1J1H104A902	C 0.1UF, 50V		
		C7524	F1J1H104A902	C 0.1UF, 50V		
		C7525	F1J1H221A906	C 2200PF, 50V		
		C7526	F1J1C475A225	C 4.7UF, 10V		
		C7527	F1K1E106A167	C 10UF, 25V		
		C7528	F1K1E106A167	C 10UF, 25V		
		C7529	F1J1H104A902	C 0.1UF, 50V		
		C7530	F1J1H104A902	C 0.1UF, 50V		
		C7541	F1K1E106A167	C 10UF, 25V		
		C7542	F1K1E106A167	C 10UF, 25V		
		C7565	F1H1H223B047	C 0.022UF, 50V		
		C7566	F2A1J1210012	C 120UF, 63V		
		C7800	F1J1H103A900	C 0.01UF, 50V		
		C7801	F1J1H474A918	C 0.47UF, 50V		
		C7802	F1J1E105A287	C 1UF, 25V		
		C7803	F1J1E105A287	C 1UF, 25V		
		C7804	F2A1J1210012	C 120UF, 63V		
		C7805	F1J1H103A900	C 0.01UF, 50V		
		C7806	F1J1H104A902	C 0.1UF, 50V		
		C7807	F1J2E1030004	C 0.1PF, J,250V		
		C7809	F1J1H102A909	C 1000pF, 50V		
		C7810	F1J1H102A909	C 1000pF, 50V		
		C7811	F1J1H101A906	C 100PF, 50V		
		C7812	F1J1H101A906	C 100PF, 50V		
		C7813	F2A1J1210012	C 120UF, 63V		
		C7814	F1J1H101A906	C 100PF, 50V		
		C7815	F1J1H101A906	C 100PF, 50V		
		C8012	F1J1A106A043	C 10UF, 10V		
		C8013	F1G1C104A184	C 0.1UF, 16V		
		C8020	F1G1C104A184	C 0.1UF, 16V		
		C8021	F1G1C104A184	C 0.1UF, 16V		
		C8052	F1J1A106A043	C 10UF, 10V		
		C8053	F1J1A106A043	C 10UF, 10V		
		C8054	F1J1A106A043	C 10UF, 10V		
		C8055	F1G1C104A184	C 0.1UF, 16V		
		C8056	F1G1C104A184	C 0.1UF, 16V		
		C8057	F1G1C104A184	C 0.1UF, 16V		
		C8058	F1G1C104A184	C 0.1UF, 16V		
		C8059	F1G1C104A184	C 0.1UF, 16V		
		C8060	F1G1C104A184	C 0.1UF, 16V		
		C8061	F1G1C104A184	C 0.1UF, 16V		
		C8062	F1G1C104A184	C 0.1UF, 16V		
		C8076	F1G1C104A146	C 0.1UF 16V		
		C8077	F1G1C104A146	C 0.1UF 16V		
		C8078	F1G1C104A146	C 0.1UF 16V		
		C8089	F1H1C225A065	C 2.2UF, 16V		
		C8095	F1G1C104A146	C 0.1UF 16V		
		C8097	F1H1H103B047	C 0.01UF, 50V		
		C8098	F1G1A105A047	C 1UF 10V		
		C8099	F1G1A105A047	C 1UF 10V		

Model No. : TH-40A400X Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8100	F1G1H101A948	C 100PF, 50V		
		C8101	F1G1H101A948	C 100PF, 50V		
		C8112	F1G1C104A184	C 0.1UF, 16V		
		C8114	F1G1C104A146	C 0.1UF 16V		
		C8115	F1J0G2260001	C 22 UF 4 V		
		C8116	F1J1A106A043	C 10UF, 10V		
		C8117	F1J1A106A043	C 10UF, 10V		
		C8118	F1J1A106A043	C 10UF, 10V		
		C8119	F1G1A105A080	C 1UF, 10V		
		C8120	F1G1A105A080	C 1UF, 10V		
		C8121	F1J1A106A043	C 10UF, 10V		
		C8122	F1G1C104A184	C 0.1UF, 16V		
		C8123	F1H1C225A065	C 2.2UF, 16V		
		C8124	F1G1C104A184	C 0.1UF, 16V		
		C8125	F1H1C225A065	C 2.2UF, 16V		
		C8126	F1G1C104A184	C 0.1UF, 16V		
		C8127	F1G1C104A184	C 0.1UF, 16V		
		C8128	F1G1C104A146	C 0.1UF 16V		
		C8129	F1G1C104A146	C 0.1UF 16V		
		C8130	F1G1C104A146	C 0.1UF 16V		
		C8131	F1G1C104A146	C 0.1UF 16V		
		C8132	F1H1C225A065	C 2.2UF, 16V		
		C8133	F1H1C225A065	C 2.2UF, 16V		
		C8134	F1H1C225A065	C 2.2UF, 16V		
		C8140	F1G1H100A544	C 10PF, 50V		
		C8142	F1G1H120A542	C 12PF, 50V		
		C8144	F1J1A106A043	C 10UF, 10V		
		C8145	F1G1A105A080	C 1UF, 10V		
		C8146	F1G1C104A146	C 0.1UF 16V		
		C8151	F1J0G2260001	C 22 UF 4 V		
		C8213	F1G1C104A146	C 0.1UF 16V		
		C8214	F1H1C225A065	C 2.2UF, 16V		
		C8215	F1H1C225A065	C 2.2UF, 16V		
		C8300	F1K1V106A010	C 10UF, 25V		
		C8302	F1G1C104A184	C 0.1UF, 16V		
		C8303	F1G1C103A173	C 0.01UF, 16V		
		C8304	F1G1H222A946	C 2200PF, 50V		
		C8305	F1G1E332A172	C 3300PF, 25V		
		C8310	F1K1V106A010	C 10UF, 25V		
		C8311	F1K1V106A010	C 10UF, 25V		
		C8312	F1K1V106A010	C 10UF, 25V		
		C8704	F1J1A106A043	C 10UF, 10V		
		C8705	F1J1A106A043	C 10UF, 10V		
		C8713	F1K1V106A010	C 10UF, 25V		
		C8715	F1G1C104A184	C 0.1UF, 16V		
		C8716	F1G1C103A173	C 0.01UF, 16V		
		C8717	F1G1E472A172	C 4700PF, 25V		
		C8718	F1G1E332A172	C 3300PF, 25V		
		C8719	F1J1A106A043	C 10UF, 10V		
		C8720	F1J1A106A043	C 10UF, 10V		
		C8721	F1J1A106A043	C 10UF, 10V		
		C8722	F1K1V106A010	C 10UF, 25V		
		C8724	F1G1C104A184	C 0.1UF, 16V		
		C8725	F1G1C103A173	C 0.01UF, 16V		
		C8726	F1G1E472A172	C 4700PF, 25V		
		C8727	F1G1E472A172	C 4700PF, 25V		
		C8728	F1J0G2260001	C 22 UF 4 V		
		C8729	F1J0G2260001	C 22 UF 4 V		
		C8753	F1G1C474A185	C 0.47UF, 16V		
		C8759	DZ2J068M0L	ZENER DIODE		
		C8781	F1J1A106A043	C 10UF, 10V		
		C8783	F1J1A106A043	C 10UF, 10V		

Model No. : TH-40A400X Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8786	F1J1A106A043	C 10UF, 10V		
		C8787	F1J1A106A043	C 10UF, 10V		
		C8791	F1G1A105A080	C 1UF, 10V		
		C8792	F1G1A105A080	C 1UF, 10V		
		C8805	F1G1A105A080	C 1UF, 10V		
		C8806	F1J1A106A043	C 10UF, 10V		
		C8900	F1G1C104A184	C 0.1UF, 16V		
DIODES						
		D2800	DZ2J056M0L	DIODE		
		D2802	B3AGB0000060	LED		
		D2851	DZ2J068M0L	DIODE		
		D2852	DZ2J068M0L	DIODE		
		D3055	D4EDY5R5A038	DIODE		
		D3056	D4EDY5R5A038	DIODE		
		D3057	B0JCED000012	DIODE		
		D3103	D4EDY5R5A038	DIODE		
		D3104	D4EDY5R5A038	DIODE		
		D3105	DZ2J140M0L	DIODE		
		D3106	DZ2J140M0L	DIODE		
		D3107	DZ2J140M0L	DIODE		
		D3109	DZ2J140M0L	DIODE		
		D3110	DZ2J140M0L	DIODE		
		D3112	DZ2J140M0L	DIODE		
		D4100	D4ED11200003	DIODE		
		D4842	B0JCED000012	DIODE		
		D4901	B0BC6R2A0337	DIODE		
		D5001	B0JCED000012	DIODE		
		D5172	DZ2J220M0L	DIODE		
		D5174	DZ2J068M0L	DIODE		
		D5175	B0ADCK000001	DIODE		
		D5181	B0ADCK000001	DIODE		
		D5182	DZ2J068M0L	DIODE		
		D5183	B0ADCK000001	DIODE		
		D5184	DZ2J068M0L	DIODE		
		D6750	J0ZZB0000175	DIODE		
		D6752	B0ZBZ0000226	DIODE		
		D7101	D4EAY621A168	DIODE		
		D7106	B0EBNT000030	DIODE		
		D7108	B0HAGQ000001	DIODE		
		D7307	DZ2J068M0L	DIODE		
		D7313	DB2J41100L	DIODE		
		D7317	DA2JF2300L	DIODE		
		D7320	B0JAME000126	DIODE		
		D7323	DB2J41100L	DIODE		
		D7325	B0ECKT000012	DIODE		
		D7326	B0ECKT000012	DIODE		
		D7411	DA2J10100L	DIODE		
		D7503	B0JBSM000007	DIODE		
		D7505	B0FBCN000016	DIODE		
		D7550	B0JCPE000051	DIODE		
		D7800	B0JDSL000013	DIODE		
		D7801	DZ2J360M0L	DIODE		
		D7802	DZ2J360M0L	DIODE		
		D7803	DB2J41100L	DIODE		
		D7804	DA2J10100L	DIODE		
		D7806	DZ2J360M0L	DIODE		
		D7807	DZ2J360M0L	DIODE		
		D7808	DB2J41100L	DIODE		
		D8717	B0ECKM000046	DIODE		
INTEGRATED CIRCUITS						
		IC4900	C1AB00003061	IC		
		IC5602	C0DBZYY00541	IC		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		IC5602	C0DBZYY00723	IC		
		IC6750	C1AB00004172	IC		
		IC7301	C0DBBYY00065	IC		
		IC7501	C0DBZYY00545	IC		
		IC7503	C0DBAYY01915	IC		
		IC7800	C1ZBZ0004569	IC		
		IC8001	C1AB00004206	IC		
		IC8300	C0DBAYY01644	IC		
		IC8700	C0DBAYY01300	IC		
		IC8702	C0DBAYY01644	IC		
		IC8705	C0DBEYY00102	IC		
		IC8707	C0DBEYY00102	IC		
		IC8708	C0DBEYY00226	IC		
		IC8709	C0DBEYY00102	IC		
		IC8711	C0DBGYY00887	IC		
		IC8901	TVR4G267-AL	ROM VERSION IC (C3FBPY000283)		
		IC8902	C3EBJY000066	IC		
COIL						
		L4900	J0JHC0000042	COIL		
		L4901	G1C220MA0533	INDUCTOR		
		L4902	G1C220MA0533	INDUCTOR		
		L4903	G1C220MA0533	INDUCTOR		
		L4904	G1C220MA0533	INDUCTOR		
		L4934	J0JHC0000078	COIL		
		L4935	J0JHC0000078	COIL		
		L4936	J0JHC0000078	COIL		
		L4937	J0JHC0000078	COIL		
		L5601	J0JYC0000464	BEAD CORE		
		L6704	J0JYC0000464	BEAD CORE		
		L6710	J0JYC0000464	BEAD CORE		
		L6712	J0JYC0000464	BEAD CORE		
		L6763	G1CR27JA0097	COIL		
		L6765	G1C82NJ00010	COIL		
		L6772	G1CR27JA0097	COIL		
		L6773	G1CR27JA0097	COIL		
		L6774	G1CR27JA0097	COIL		
		L6776	G1CR27JA0097	COIL		
		L6777	G1CR22JA0097	COIL		
		L6778	G1CR22JA0097	COIL		
		L6779	J0JYC0000464	BEAD CORE		
		L6781	G1CR47JA0037	COIL		
		L6782	G1CR47JA0037	COIL		
		L7301	J0JYA0000035	BEAD CORE		
		L7314	J0JYA0000035	BEAD CORE		
		L7316	J0JYC0000344	COIL		
		L7317	J0JYA0000035	BEAD CORE		
		L7501	J0JYA0000035	BEAD CORE		
		L7550	G0C270MA0049	INDUCTOR		
		L7800	G0C480Z00002	COIL		
		L7801	J0JYC0000344	COIL		
		L7802	J0JYA0000035	BEAD CORE		
		L7803	J0JYA0000035	BEAD CORE		
		L7804	J0JYA0000035	BEAD CORE		
		L8008	J0JYC0000462	PEAKING COIL		
		L8015	D0GAR00J0005	CHIP RESISTOR		
		L8016	J0JYC0000464	BEAD CORE		
		L8017	J0JYC0000464	BEAD CORE		
		L8107	J0JYC0000464	BEAD CORE		
		L8108	J0JYC0000464	BEAD CORE		
		L8300	G1C220MA0533	INDUCTOR		
		L8700	G1C4R7ZA0311	INDUCTOR		
		L8702	G1C150MA0445	INDUCTOR		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
TRANSISTOR						
		Q2752	B1ABCF000231	TRANSISTOR		
		Q2753	B1ABCF000231	TRANSISTOR		
		Q3104	B1ABCF000231	TRANSISTOR		
		Q3105	B1ABCF000231	TRANSISTOR		
		Q3106	B1ADCE000022	TRANSISTOR		
		Q4811	B1ABCF000231	TRANSISTOR		
		Q4812	B1ABCF000231	TRANSISTOR		
		Q5003	B1ADCE000022	TRANSISTOR		
		Q5004	B1ABCF000231	TRANSISTOR		
		Q5100	B1ABCF000231	TRANSISTOR		
		Q5101	B1ABCF000231	TRANSISTOR		
		Q5102	B1ABCF000231	TRANSISTOR		
		Q7301	B1CERR000067	TRANSISTOR		
		Q7302	B1ABCF000231	TRANSISTOR		
		Q7401	B1ABCF000231	TRANSISTOR		
		Q7502	B1CHRE000035	TRANSISTOR		
		Q7800	B1CFRL000042	TRANSISTOR		
		Q7802	B1CFML000007	TRANSISTOR		
		Q7803	B1CFML000007	TRANSISTOR		
		Q7805	B1CFML000007	TRANSISTOR		
		Q7806	B1CFML000007	TRANSISTOR		
		Q8002	B1CHPD000013	TRANSISTOR		
		Q8003	B1ABCF000231	TRANSISTOR		
		Q8700	B1ABCF000231	TRANSISTOR		
		Q8701	B1ABCF000231	TRANSISTOR		
RESISTORS						
		R0900	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R0901	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R0911	D0GA473JA039	M 47KOHM, J,1/16W		
		R0932	D0GAR00J0005	M 0 OHM, 1/16W		
		R0933	D0GAR00J0005	M 0 OHM, 1/16W		
		R0934	D0GA680JA023	M 68 OHM, J,1/16W		
		R0935	D0GA680JA023	M 68 OHM, J,1/16W		
		R0944	D0GA102JA039	M 1KOHM, J, 1/16W		
		R0945	D0GA102JA039	M 1KOHM, J, 1/16W		
		R0964	D0GA680JA023	M 68 OHM, J,1/16W		
		R0965	D0GA680JA023	M 68 OHM, J,1/16W		
		R0966	D0GAR00J0005	M 0 OHM, 1/16W		
		R0967	D0GAR00J0005	M 0 OHM, 1/16W		
		R0972	D0GA101JA039	M 1KOHM, J, 1/16W		
		R0973	D0GA101JA039	M 1KOHM, J, 1/16W		
		R0974	D0GA472JA023	M 4.7KOHM, J,1/16W		
		R0975	D0GA472JA023	M 4.7KOHM, J,1/16W		
		R0976	D0GA680JA023	M 68 OHM, J,1/16W		
		R0977	D0GA680JA023	M 68 OHM, J,1/16W		
		R0978	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R0979	D0GA272JA023	M 2.7KOHM, J.1/16W		
		R0982	D0GA680JA023	M 68 OHM, J,1/16W		
		R0983	D0GA680JA023	M 68 OHM, J,1/16W		
		R1955	D0GA680JA023	M 68 OHM, J,1/16W		
		R1964	D0GA103JA039	M 10KOHM,F,1/16W		
		R2006	D0GA102JA039	M 1KOHM, J, 1/16W		
		R2009	D0GA102JA039	M 1KOHM, J, 1/16W		
		R2012	D0GA222JA023	M 2.2KOHM, J,1/16W		
		R2018	D0GA473JA039	M 47KOHM, J,1/16W		
		R2019	D0GA473JA039	M 47KOHM, J,1/16W		
		R2026	D1BA5601A023	M 5.6KOHM, J,1/16W		
		R2027	D0GA102JA039	M 1KOHM, J, 1/16W		
		R2034	D0GA102JA039	M 1KOHM, J, 1/16W		
		R2045	D0GA103JA039	M 10KOHM,F,1/16W		
		R2046	D0GA332JA023	M 3.3KOHM, J,1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R2047	D0GA473JA039	M 47KOHM, J,1/16W		
		R2053	D0GAR00J0005	M 0 OHM, 1/16W		
		R2751	D0GA183JA023	M 18K OHM J.1/16W		
		R2753	D0GB101JA065	M 100 OHM,J,1/10W		
		R2756	D0GA103JA039	M 10KOHM,F,1/16W		
		R2757	D0GA473JA039	M 47KOHM, J,1/16W		
		R2759	D0GA223JA023	M 22K OHM J 1/16W		
		R2760	D0GA473JA039	M 47KOHM, J,1/16W		
		R2792	D0GA153JA023	M 15K OHM J 1/16W		
		R2800	D0GBR00J0004	M 0 OHM J 1/10W		
		R2807	D0GBR00J0004	M 0 OHM J 1/10W		
		R2820	D0GB470JA065	M 47 OHM,J,1/10W		
		R2821	D0GBR00J0004	M 0 OHM J 1/10W		
		R2823	D1BB1821A143	M 1.82KOHM, J, 1/16W		
		R2824	D1BB6800A074	M 68 OHM, J,1/16W		
		R2852	D1BD1911A203	M 1.91KOHM,J, 1/16W		
		R2853	D1BD3091A203	M 3.09KOHM ,J, 1/16W		
		R2854	D1BD6041A203	M 6.04KOHM,J , 1/16W		
		R2855	D1BD1692A203	M 16.9KOHM, J, 1/16W		
		R3051	D0GA111JA023	M 110 OHM, J.1/16W		
		R3052	D0GA111JA023	M 110 OHM, J.1/16W		
		R3099	D0GA223JA023	M 22K OHM J 1/16W		
		R3103	D0GA222JA023	M 2.2KOHM, J,1/16W		
		R3104	D0GA104JA039	M 100KOHM,J,1/8W		
		R3106	D0GA104JA039	M 100KOHM,J,1/8W		
		R3108	D0GA105JA023	M 1M OHM, J,1/16W		
		R3109	D0GA103JA039	M 10KOHM,F,1/16W		
		R3110	D0GA221JA023	M220 OHM, J.1/16 W		
		R3111	D0GA221JA023	M220 OHM, J.1/16 W		
		R3113	D0GA473JA039	M 47KOHM, J,1/16W		
		R3114	D0GA101JA039	M 100OHM, J, 1/16W		
		R3119	D0GA102JA039	M 1KOHM, J, 1/16W		
		R3190	D0GA152JA023	M 1.5KOHM, J,1/16W		
		R3191	D0GA152JA023	M 1.5KOHM, J,1/16W		
		R3199	D0GA512JA023	M 5.1KOHM, J,1/16W		
		R3200	D0GA512JA023	M 5.1KOHM, J,1/16W		
		R3201	D0GA562JA023	M 5.6KOHM, J,1/16W		
		R3202	D0GA562JA023	M 5.6KOHM, J,1/16W		
		R3205	D1BD75R0A204	M 75 OHM, J,0.063W		
		R3206	D0GA101JA039	M 100OHM, J, 1/16W		
		R3207	D0GA101JA039	M 100OHM, J, 1/16W		
		R3210	D1BD75R0A204	M 75 OHM, J,0.063W		
		R3211	D0GA101JA039	M 100OHM, J, 1/16W		
		R3212	D0GA101JA039	M 100OHM, J, 1/16W		
		R3215	D1BD75R0A204	M 75 OHM, J,0.063W		
		R3216	D0GA101JA039	M 100OHM, J, 1/16W		
		R3217	D0GA101JA039	M 100OHM, J, 1/16W		
		R4071	D1H8R0040016	M 0 OHM, 1/16W		
		R4072	D1H8R0040016	M 0 OHM, 1/16W		
		R4073	D1H8R0040016	M 0 OHM, 1/16W		
		R4074	D1H8R0040016	M 0 OHM, 1/16W		
		R4075	D1H8R0040016	M 0 OHM, 1/16W		
		R4076	D1H8R0040016	M 0 OHM, 1/16W		
		R4081	D0GAR00J0005	M 0 OHM, 1/16W		
		R4082	D0GAR00J0005	M 0 OHM, 1/16W		
		R4150	D0GAR00J0005	M 0 OHM, 1/16W		
		R4161	D0GAR00J0005	M 0 OHM, 1/16W		
		R4168	D0GA101JA039	M 100OHM, J, 1/16W		
		R4170	D0GAR00J0005	M 0 OHM, 1/16W		
		R4502	D0GA103JA039	M 10KOHM,F,1/16W		
		R4503	D0GA103JA039	M 10KOHM,F,1/16W		
		R4504	D1H86804A042	M 68 OHM, J,1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R4831	D0GA104JA039	M 100KOHM,J,1/8W		
		R4835	D0GA102JA039	M 1KOHM, J, 1/16W		
		R4846	D0GA104JA039	M 100KOHM,J,1/8W		
		R4848	D1H84734A042	M 47KOHM, J,1/16W		
		R4852	D0GA102JA039	M 1KOHM, J, 1/16W		
		R4894	D0GA473JA039	M 47KOHM, J,1/16W		
		R4895	D0GA473JA039	M 47KOHM, J,1/16W		
		R4898	D0GBR00J0004	M 0 OHM J 1/10W		
		R4910	D1H86804A042	M 68 OHM, J,1/16W		
		R4911	D1H8R0040016	M 0 OHM, 1/16W		
		R4912	D0GA103JA039	M 10KOHM,F,1/16W		
		R4915	D0GA183JA023	M 18K OHM J.1/16W		
		R4916	D0GA153JA023	M 15K OHM J 1/16W		
		R4922	D1BA1822A023	M 18.2KOHM,F.1/16 W		
		R4923	D1BA2202A023	M 22KOHM,F. 1/16 W		
		R4924	D0GA471JA023	M 470OHM, J,1/16W		
		R4925	D0GA471JA023	M 470OHM, J,1/16W		
		R4931	D0GA330JA023	M 33 OHM, J,1/16W		
		R4932	D0GA102JA039	M 1KOHM, J, 1/16W		
		R4933	D0GA102JA039	M 1KOHM, J, 1/16W		
		R5009	D0GA333JA023	M 33KOHM,J,1/16W		
		R5010	D0GA333JA023	M 33KOHM,J,1/16W		
		R5011	D0GA473JA039	M 47KOHM, J,1/16W		
		R5015	D0GAR00J0005	M 0 OHM, 1/16W		
		R5016	D0GA103JA039	M 10KOHM,F,1/16W		
		R5021	D0GA473JA039	M 47KOHM, J,1/16W		
		R5178	D0GA104JA039	M 100KOHM,J,1/8W		
		R5181	D0GA473JA039	M 47KOHM, J,1/16W		
		R5182	D0GA473JA039	M 47KOHM, J,1/16W		
		R5183	D0GA473JA039	M 47KOHM, J,1/16W		
		R5185	D0GA473JA039	M 47KOHM, J,1/16W		
		R5187	D0GA103JA039	M 10KOHM,F,1/16W		
		R5607	D0GA103JA039	M 10KOHM,F,1/16W		
		R5609	D1H8R0040016	M 0 OHM, 1/16W		
		R5610	D1BA1822A023	M 18.2KOHM,F.1/16 W		
		R5611	D0GA103JA039	M 10KOHM,F,1/16W		
		R6721	D0GA102JA039	M 1KOHM, J, 1/16W		
		R6723	D0GA101JA039	M 100OHM, J, 1/16W		
		R6724	D0GA101JA039	M 100OHM, J, 1/16W		
		R6730	D0GA103JA039	M 10KOHM,F,1/16W		
		R6739	D0GA101JA039	M 100OHM, J, 1/16W		
		R6740	D0GA101JA039	M 100OHM, J, 1/16W		
		R6741	D0GA332JA023	M 3.3KOHM, J,1/16W		
		R6751	D0GA103JA039	M 10KOHM,F,1/16W		
		R6757	D0GBR00J0004	M 0 OHM J 1/10W		
		R6758	D0GBR00J0004	M 0 OHM J 1/10W		
		R6759	D0GBR00J0004	M 0 OHM J 1/10W		
		R6760	D0GBR00J0004	M 0 OHM J 1/10W		
		R6767	D0GA472JA023	M 4.7KOHM, J,1/16W		
		R6768	D0GAR00J0005	M 0 OHM, 1/16W		
	⚠	R7101	D0GF105JA048	M 1M OHM. 1/4W		
	⚠	R7102	D0GF105JA048	M 1M OHM. 1/4W		
	⚠	R7103	D0GF105JA048	M 1M OHM. 1/4W		
	⚠	R7104	D0GF105JA048	M 1M OHM. 1/4W		
		R7303	D0GD752JA052	M 7.5KOHM ,J, 1/16W		
		R7304	D0GD183JA052	M 18KOHM,J,1/8W		
		R7313	D0GD100JA059	M 10 OHM,J,1/4W		
		R7314	D0GD681JA052	M 680 OHM,J.1/8W		
		R7317	D0GD680JA052	M 68 OHM,J,1/8W		
		R7318	D0GD471JA052	M 470 OHM,J,1/8W		
		R7319	D0GB393JA065	M 39K OHM J 1/10W		
		R7320	D0GD102JA052	M 1.0KOHM,J,1/8W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7325	D0GD4R7JA059	M 4.7 OHM,J,1/4W		
		R7329	D0GDR00J0004	M 0 OHM, 1/8W		
		R7335	D0B1106JA033	M 10MOHM J 1W		
		R7342	D0GD182JA052	M 1.8KOHM, J, 1/16W		
		R7343	D0GD182JA052	M 1.8KOHM, J, 1/16W		
		R7344	D0GD182JA052	M 1.8KOHM, J, 1/16W		
		R7346	D0GF824JA047	M 820KOHM ,J, 1/16W		
		R7347	D0GF824JA047	M 820KOHM ,J, 1/16W		
		R7351	ERX1SJR27	M 0.27 OHM, J, 1W		
		R7354	D0C2101JA140	M 100OHM, J, 1/16W		
		R7355	D0C2101JA140	M 100OHM, J, 1/16W		
		R7406	D0GB222JA065	M 2.2KOHM,J,1/10W		
		R7407	D0GB104JA065	M 100KOHM J 1/10W		
		R7409	D0GBR00J0004	M 0 OHM J 1/10W		
		R7503	D0GB153JA065	M 15K OHM J 1/10W		
		R7504	D0GB153JA065	M 15K OHM J 1/10W		
		R7507	D0GB124JA065	M 120 OHM,F.1/16 W		
		R7515	D0GB183JA065	M 18KOHM,J,1/10W		
		R7516	D0GD472JA052	M 4.7KOHM,J,1/8W		
		R7517	D0GD222JA052	M 2.2KOHM,J,1/8W		
		R7519	D0GD102JA052	M 1.0KOHM,J,1/8W		
		R7520	D1BD3301A203	M 3.3KOHM, J,1/16W		
		R7521	D1BD1692A203	M 16.9KOHM, J, 1/16W		
		R7523	D0GD473JA052	M 47KOHM,J,1/8W		
		R7532	D0GBR00J0004	M 0 OHM J 1/10W		
		R7533	D1BD7872A203	M 78.7KOHM ,J, 1/16W		
		R7534	D1BD1432A203	M 14.3KOHM ,J, 1/16W		
		R7535	D0GD514JA052	M 510KOHM ,J, 1/16W		
		R7536	D0GD100JA052	M 10 OHM,J,1/8W		
		R7584	D0GDR00J0004	M 0 OHM, 1/8W		
		R7802	D0GD1R0JA052	M 1 OHM,J,1/8W		
		R7803	D0GD1R0JA052	M 1 OHM,J,1/8W		
		R7804	D0GD1R0JA052	M 1 OHM,J,1/8W		
		R7805	D0GD1R0JA052	M 1 OHM,J,1/8W		
		R7806	D0GD1R0JA052	M 1 OHM,J,1/8W		
		R7809	D0GD100JA052	M 10 OHM,J,1/8W		
		R7811	D0GD473JA052	M 47KOHM,J,1/8W		
		R7812	D0GD102JA052	M 1.0KOHM,J,1/8W		
		R7813	D0GD102JA052	M 1.0KOHM,J,1/8W		
		R7814	D0GD334JA052	M 330KOHM,J,1/8W		
		R7815	D0GD103JA052	M 10KOHM,J,1/8W		
		R7816	D1BD2201A203	M 2.2KOHM ,J, 1/16W		
		R7817	D1BD1003A203	M 100KOHM ,J, 1/16W		
		R7818	D1BD1503A203	M 150KOHM , J, 1/16W		
		R7819	D0GD152JA052	M 1.5KOHM,J,1/8W		
		R7820	D0GD1R0JA052	M 1 OHM,J,1/8W		
		R7823	D0GD473JA052	M 47KOHM,J,1/8W		
		R7824	D0GD183JA052	M 18KOHM,J,1/8W		
		R7825	D1BD1502A203	M 15K OHM J 1/16W		
		R7826	D1BD1R00A066	M 1OHM ,J, 1/16W		
		R7827	D0GD473JA052	M 47KOHM,J,1/8W		
		R7828	D1BD1R00A066	M 1OHM ,J, 1/16W		
		R7829	D0GD473JA052	M 47KOHM,J,1/8W		
		R7833	D0GDR00J0004	M 0 OHM, 1/8W		
		R7834	D0GD220JA052	M 22 OHM,J,1/8W		
		R7835	D1BD1R00A066	M 1OHM ,J, 1/16W		
		R7836	D0GD473JA052	M 47KOHM,J,1/8W		
		R7837	D1BD1R00A066	M 1OHM ,J, 1/16W		
		R7838	D0GD473JA052	M 47KOHM,J,1/8W		
		R7839	D0GD104JA052	M 100KOHM,J,1/8W		
		R7840	D0GD104JA052	M 100KOHM,J,1/8W		
		R7841	D0GD103JA052	M 10KOHM,J,1/8W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8099	D0GA102JA039	M 1KOHM, J, 1/16W		
		R8100	D0GA472JA023	M 4.7KOHM, J,1/16W		
		R8102	D0GAR00J0005	M 0 OHM, 1/16W		
		R8103	D0GA103JA039	M 10KOHM,F,1/16W		
		R8104	D0GA220JA023	M22 OHM, J.1/16 W		
		R8105	D0GA220JA023	M22 OHM, J.1/16 W		
		R8106	D0GA220JA023	M22 OHM, J.1/16 W		
		R8107	D0GA680JA023	M 68 OHM, J,1/16W		
		R8109	D0GA103JA039	M 10KOHM,F,1/16W		
		R8110	D0GA680JA023	M 68 OHM, J,1/16W		
		R8111	D1BA75R0A023	M 75.0 OHM,F.1/16 W		
		R8112	D0GAR00J0005	M 0 OHM, 1/16W		
		R8113	D0GA103JA039	M 10KOHM,F,1/16W		
		R8116	D0GBR00J0004	M 0 OHM J 1/10W		
		R8118	D0GAR00J0005	M 0 OHM, 1/16W		
		R8119	D0GA473JA039	M 47KOHM, J,1/16W		
		R8120	D0GA471JA023	M 470OHM, J,1/16W		
		R8121	D0GA472JA023	M 4.7KOHM, J,1/16W		
		R8123	D0GA473JA039	M 47KOHM, J,1/16W		
		R8124	D0GAR00J0005	M 0 OHM, 1/16W		
		R8125	D0GAR00J0005	M 0 OHM, 1/16W		
		R8126	D0GA473JA039	M 47KOHM, J,1/16W		
		R8135	D0GAR00J0005	M 0 OHM, 1/16W		
		R8136	D0GBR00J0004	M 0 OHM J 1/10W		
		R8139	D1BA6201A023	M 6.2 KOHM,F.1/16 W		
		R8143	D0GA102JA039	M 1KOHM, J, 1/16W		
		R8144	D0GA101JA039	M 100OHM, J, 1/16W		
		R8204	D1BA1001A023	M 1 KOHM,F.1/16 W		
		R8207	D1BA1001A023	M 1 KOHM,F.1/16 W		
		R8208	D0GA103JA039	M 10KOHM,F,1/16W		
		R8240	D0GA103JA039	M 10KOHM,F,1/16W		
		R8301	D1BA4702A023	M 47 KOHM,F.1/16 W		
		R8302	D1BA3601A023	M 3.6KOHM,F 1/16 W		
		R8303	D1BA5102A023	M 51KOHM ,J, 1/16W		
		R8304	D0GA103JA039	M 10KOHM,F,1/16W		
		R8315	D0GA102JA039	M 1KOHM, J, 1/16W		
		R8316	D0GA103JA039	M 10KOHM,F,1/16W		
		R8700	D1BA56R0A023	M 56 OHM,F.1/16 W		
		R8701	D1BA1200A023	M 120 OHM,F.1/16 W		
		R8703	D1BA2002A023	M 200KOHM ,F, 1/16W		
		R8704	D1BA5601A023	M 5.6KOHM ,F, 1/16W		
		R8705	D1BA3002A023	M 30KOHM,F. 1/16 W		
		R8707	D1BA3001A023	M 3KOHM,F,1/16W		
		R8708	D1BA2202A023	M 22KOHM,F. 1/16 W		
		R8709	D1BA1202A023	M 12KOHM,F. 1/16 W		
		R8726	D0GA103JA039	M 10KOHM,F,1/16W		
		R8728	D0GA473JA039	M 47KOHM, J,1/16W		
		R8729	D0GA223JA023	M 22K OHM J 1/16W		
		R8730	D0GA473JA039	M 47KOHM, J,1/16W		
		R8739	D0GA103JA039	M 10KOHM,F,1/16W		
		R8740	D0GA103JA039	M 10KOHM,F,1/16W		
		R8741	D1BA2002A023	M 200KOHM ,F, 1/16W		
		R8753	D1BA1200A023	M 120 OHM,F.1/16 W		
		R8754	D1BA53R6A023	M 53.6OHM ,J, 1/16W		
		R8755	D0GA104JA039	M 100KOHM,J,1/8W		
		R8756	D1BA2000A023	M 200 OHM,F.1/16 W		
		R8757	D1BA1200A023	M 120 OHM,F.1/16 W		
		R8758	D1BA4702A023	M 47 KOHM,F.1/16 W		
		R8759	D1BA1502A023	M 15K OHM J 1/16W		
		R8767	D0GBR00J0004	M 0 OHM J 1/10W		
		R8768	D0GBR00J0004	M 0 OHM J 1/10W		
		R8903	D0GA103JA039	M 10KOHM,F,1/16W		

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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
TRANSISTORS						
	⚠	T7301	G4DYA0000490	TRANSFORMER		
OTHERS						
		A02	K1KY14BA0484	CONNECTOR		
		A10	K1KY07BA0483	CONNECTOR		
		A12	K1KY04BA0387	CONNECTOR		
		A16	K1MY51BA0526	CONNECTOR		
	⚠	CF7103	D4CAY2R20002	TERMISTOR		
		CN0100	K1KA14A00248	CONNECTOR		
	⚠	F7101	K5E502YYA213	FUSE		
		JK3000	K1U204D00004	AV TERMINAL		
		JK3001	K1U511D00004	AV TERMINAL		
		JK4701	K1FY119D0029	TERMINAL		
		JK4702	K1FY119D0029	TERMINAL		
		JK6750	K1ZZ00001557	AV TERMINAL		
		JK7101	K2AAYA000003	TERMINAL		
		JK8601	K1FY104B0095	AV TERMINAL		
		JS0009	D0GAR00J0005	CHIP RESISTOR		
		JS0026	D0GAR00J0005	CHIP RESISTOR		
		JS3001	D0GAR00J0005	CHIP RESISTOR		
		JS3002	D0GAR00J0005	CHIP RESISTOR		
		JS8000	D0GBR00J0004	CHIP RESISTOR		
		K10	K1KY07BA0483	CONNECTOR		
	⚠	LF7103	G0B183GA0082	LINE FILTER		
	⚠	LF7104	G0B183GA0082	LINE FILTER		
	⚠	LF7105	G0B350GA0083	LINE FILTER		
		P2	K1KY14BA0491	CONNECTOR		
		P3	K1KY06BA0385	CONNECTOR		
	⚠	PC7300	B3PAA0000674	PHOTO COUPLER		
	⚠	PC7301	B3PAA0000674	PHOTO COUPLER		
		RM2800	B3RBB0000018	PHOTO DETECTOR		
		SN2800	B3JB00000219	PHOTO DETECTOR		
		SW2851	EVQ11G05R	SWITCH		
		SW2852	EVQ11G05R	SWITCH		
		SW2853	EVQ11G05R	SWITCH		
		SW2854	EVQ11G05R	SWITCH		
		SW2855	EVQ11G05R	SWITCH		
		SW2857	EVQ11G05R	SWITCH		
		X6750	H0J240500067	CRYSTAL OSCILLATOR		
		X8301	H0J270500181	CRYSTAL OSSILATOR		
		ZA7101	K4AD01A00004	RUG TERMINAL		
		ZA7102	K4AD01A00004	RUG TERMINAL		
		ZA7103	K4AD01A00004	RUG TERMINAL		
		ZA7104	K4AD01A00004	RUG TERMINAL		

Model No. : TH-40A400X Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
Exploded View						
	⚠	1	K2CQ2YY00122	AC CORD		
		2	L0EYAA000052	SPEAKER UNIT		
	⚠	3	L5EDDYY00654	LCD PANEL		
		4	N2QAYB000823	REMOTE TRANSMITTER		
			TBL5ZX08971	STAND METAL ASSY		
	⚠		TBM4GD4632	MODEL NAME PLATE		
			TBX5ZA03303	KEY BUTTON BRACKET		
		5	TKK5ZC50501A	LED PANEL		
		6	TKP5ZA32202	SIDE AV BRACKET		
		7	TPD4GA05701	TOP CUSHION		
		8	TPD4GA05711	BOTTOM CUSHION		
		9	TPE4GH073	SET COVER		
		10	TQZ4GB875	FAN BAG ASSY		
	⚠		TSCKF0170144	LVDS		
		11	TXFPC01AMVX	PACKING CASE ASSY		
		12	TZBL4GX00231	PEDESTAL ASSY		
		13	TZTU4GA1365	BACK COVER ASSY		
			XSS4+12FJK	SCREW		
			XSS5+16FJK	STAND TO PEDESTAL SCREW		
			XTS4+10GFJ	SCREW		
Electrical Replacement Part List						
	⚠	RTL	TZT/A1WZUG	A PRINT ASSY		
	⚠	RTL	TXN/K1TQUK	K PRINT		
	⚠	RTL	TXN/P1AMVX	P PRINT		