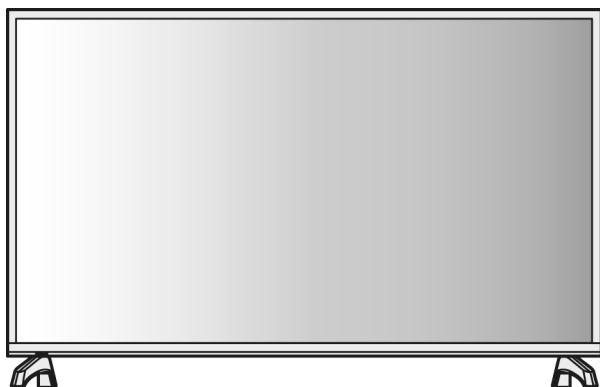


Service Manual

LED TV



Model No. TH-43D410R

Chassis: KM29

Destination: IRAN

WARNING

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

IMPORTANT SAFETY NOTICE

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

TABLE OF CONTENTS

	PAGE		PAGE
1 Safety Precautions -----	3	6 Troubleshooting Guide -----	10
1.1. General Guidelines-----	3	6.1. Check of the IIC bus lines-----	10
1.1.1. Leakage Current Cold Check-----	3	6.1.1. How to access -----	10
1.1.2. Leakage Current Hot Check (See Figure 1.) ----	3	6.1.2. Self-check indication only -----	10
2 Warning -----	4	6.1.3. Self-check indication and forced to factory	
2.1. Prevention of Electrostatic Discharge (ESD)		shipment setting -----	10
to Electrostatically Sensitive (ES) Devices-----	4	6.1.4. Exit-----	10
2.2. About lead free solder (PbF)-----	4	6.1.5. Screen display -----	10
3 Service Navigation -----	5	6.2. Power LED Blinking timing chart-----	10
3.1. Service Hint-----	5	6.3. Method of detecting SOS -----	11
4 Specifications -----	6	6.4. LCD Panel test mode -----	11
5 Service Mode -----	8	6.5. No Power-----	12
5.1. How to enter into Service Mode -----	8	7 Disassembly and Assembly Instructions -----	13
5.1.1. Purpose -----	8	7.1. Key Button & LED Assembly-----	13
5.1.2. Key command -----	8	7.2. VESA Metal & Btm Back Cover -----	14
5.1.3. How to exit-----	8	7.3. Bottom Metal & Bottom Corner Cover -----	15
5.1.4. Contents of adjustment mode -----	8	7.4. Screw Installation (PANEL)-----	16
5.1.5. Display of SOS History-----	9	7.5. Screw Installation (BC)-----	17
5.1.6. Exit-----	9	8 Measurements and Adjustments -----	18
5.1.7. Hotel Mode -----	9	8.1. Voltage chart of A-board -----	18

8.2. Voltage chart of P-board-----	18
9 Block Diagram -----	19
9.1. Main Block Diagram -----	19
10 Wiring Connection Diagram -----	20
10.1. Wire Dressing -----	20
11 Schematic Diagram -----	21
12 Printed Circuit Board -----	45
13 Exploded View and Replacement Parts List -----	51

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

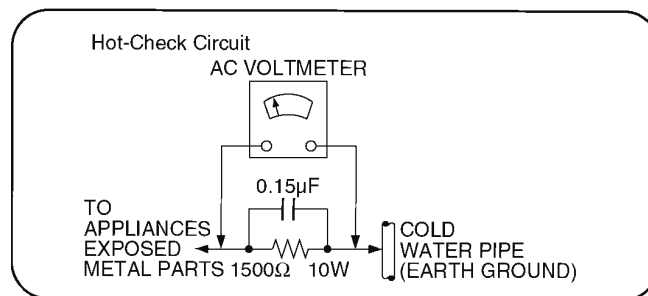


Figure 1

2 Warning

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

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

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

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise ham less motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

2.2. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

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

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

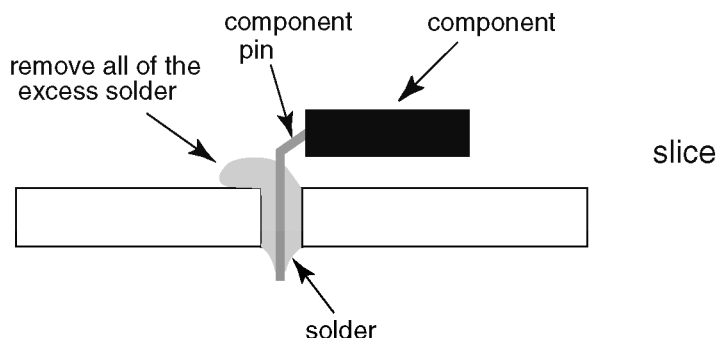
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol **PbF** stamped on the back of PCB.

Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

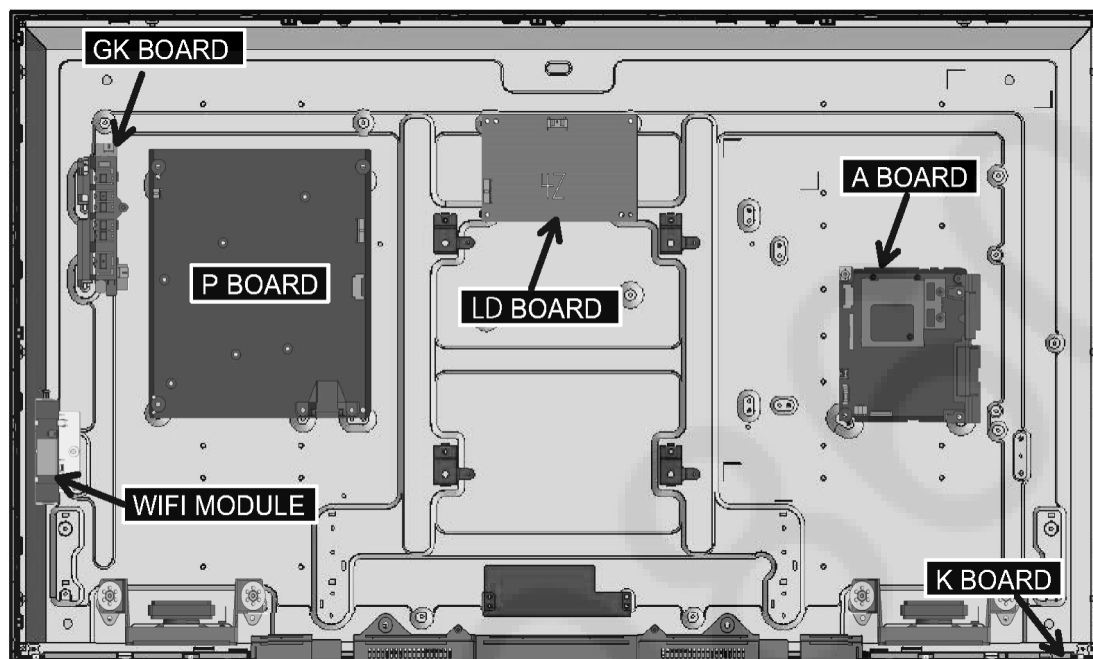
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.

- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



3 Service Navigation

3.1. Service Hint



Board Name	Main Device	Remarks
A BOARD	TUN, OFDM, ADV, sLD8A, STBY EEP	Repairable
P BOARD	Power Supply	Repairable
K BOARD	LED/ RM/ CATS	Repairable
GK BOARD	Function SW	Repairable
LD BOARD	LED DRIVER	Repairable

4 Specifications

Dimensions (W × H × D)	974 mm × 629 mm × 259 mm (With Pedestal) 974 mm × 569 mm × 80 mm (TV only)
Mass	10.0 kg Net (With Pedestal) 9.0 kg Net (TV only)
Power source	AC Single 220-240 V, 50 / 60 Hz
Rated power consumption	87 W
Standby power consumption	0.20 W
Visible screen size (diagonal)	108 cm
Display resolution	1 920 (W) × 1 080 (H)
Panel	LED backlight Liquid Crystal Display

Sound	
Speaker output	20 W (10 W + 10 W)

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/C_B, P_R/C_R	±0.35 V[p-p]

HDMI 1 / 2 input

TYPE A Connectors
HDMI1: Content Type
HDMI2: Content Type, Audio Return Channel
• This TV supports "HDAVI Control 5" function.

USB Port

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

DIGITAL AUDIO OUT

PCM / Dolby Digital / Fibre optic

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 (via AV input only)
16 PAL 60 Hz/6.0 MHz	
17 PAL 60 Hz/6.5 MHz	

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
Operating Conditions

VHF / UHF
Temperature : 0°C - 40°C

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.

Software version					
Picture adjustment	SERVICE	Peaks SOFT	4.a04	OPTION 1	00
White balance adjustment	ADJUST	Peaks EEP	01.00.0357	OPTION 2	e7
Option setting	WB-ADJ	LSI PACKAGE	0.03e	OPTION 3	09
Service tool	OPTION	LSI DATA	0.00.07	OPTION 4	02
USB Drive check	SRV-TOOL	STBY SOFT	2.00.00	Model ID	0c
	DRV CHECK	STBY EEP	1.00.0021		0300039d
		STBY ROMCOR	0.00.00		00000200
		Ajax_CE	0.74.15	R/E Cnt	000/000/000
				INV Cnt	0000
				AVSW	-

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	CONTRAST	252
	COLOUR	2A
	TINT	00
	SUB-BRT	800
	BACKLGT	FFF
	H POS	0
	H AMP	0
	V POS	0
	V AMP	0
	VCOM	000
	R-GAIN	80
	G-GAIN	AE
WB-ADJ	B-GAIN	5C
	R-CENT	6C
	G-RENT	80
	B-CENT	A0

Main item	Sub item	Sample Data
OPTION	Boot	ROM
	STBY-SET	00
	EMERGENCY	ON
	CLK MODE	00
	CLOCK	000
	Y/C DELAY	0
	OPT 1	00000000
	OPT 2	11100110
	OPT 3	00001001
	OPT 4	00000000
	EDID-CLK	HIGH
SRV-TOOL		00
DRV CHECK	USB HDD CHECK	00

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.

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

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.
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

43FHD		SELF CHECK COMPLETE	
H14TUN	OK	PEAKS-SOFT	4.a04
H90STBY	OK	PEAKS-EEP	01.00.0367
H92MEM1	OK	LSI-PACKAGE	0.03e
H91MEM2	OK	LSI-RELEASE	0.07
H17LAN	OK	STBY-SOFT	2.00.00
H00FE	OK	STBY-EEP	1.00.0021
H71TC-DAC	OK		
H96ID	OK		
H97ID2	OK		
H42WiFi	OK		
		MODEL ID	0c
			0300039d
			00000200

(For example 43-inch model)

6.2. Power LED Blinking timing chart

1. Subject
Information of LED Flashing timing chart.
2. Contents

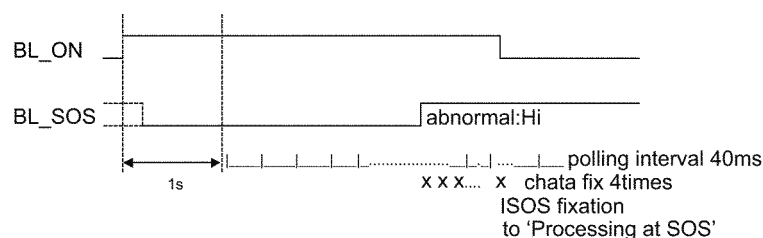
When an abnormality occurs, the protection circuit will operate and reset the unit to stand by mode. During this time, the defective block can be identified by the number of blinking times of the Power LED on the front panel of the unit as follow:

Blinking times	Contents & Check point
1	BL_SOS
7	SUB_3.3V/1.2V
8	SOS
9	SOUND_SOS
12	BE(sLD8/PRO4) SOS
13	Emergency SOS

6.3. Method of detecting SOS

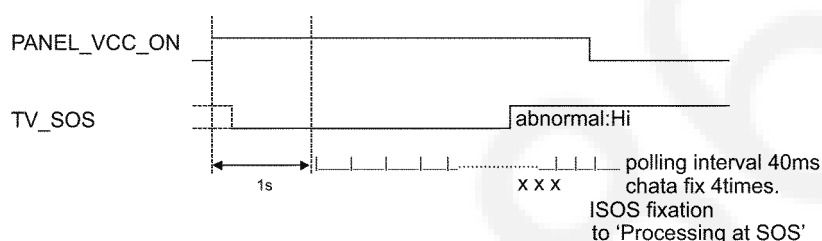
1. BL_SOS

Detection beginning after one second pass from 'BL_ON'=ON



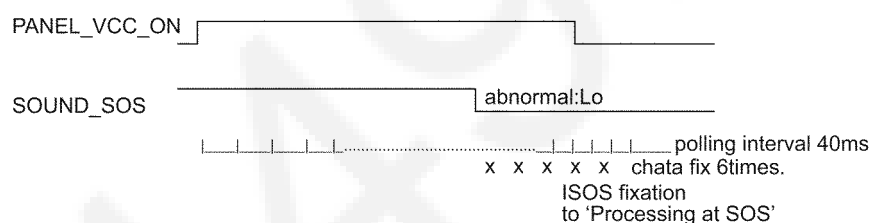
2. TV_SOS

Detection beginning after one second pass from 'PANEL_VCC_ON'=ON



3. SOUND_SOS

Detection beginning 'PANEL_VCC_ON'=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.

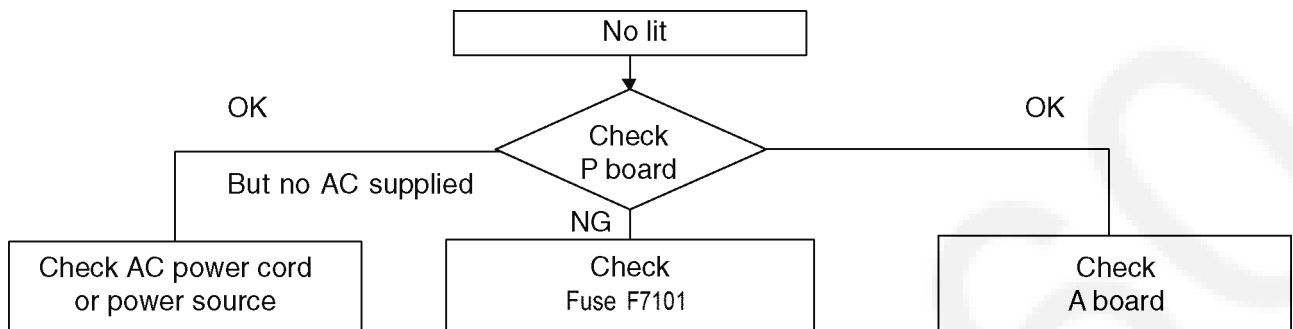
If the normal picture is displayed, LCD Panel must be okay and the cause of failure must be in A board.

6.5. No Power

First check point

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

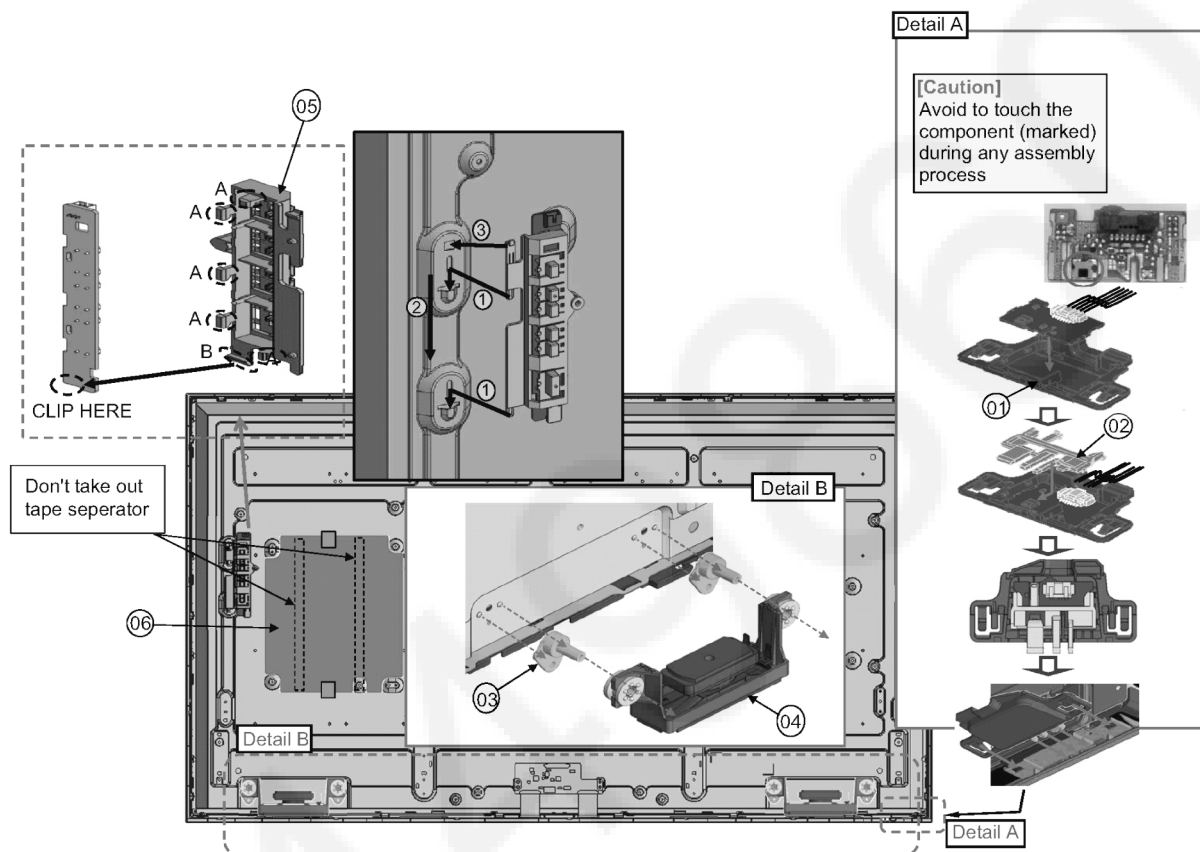
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)



7 Disassembly and Assembly Instructions

7.1. Key Button & LED Assembly

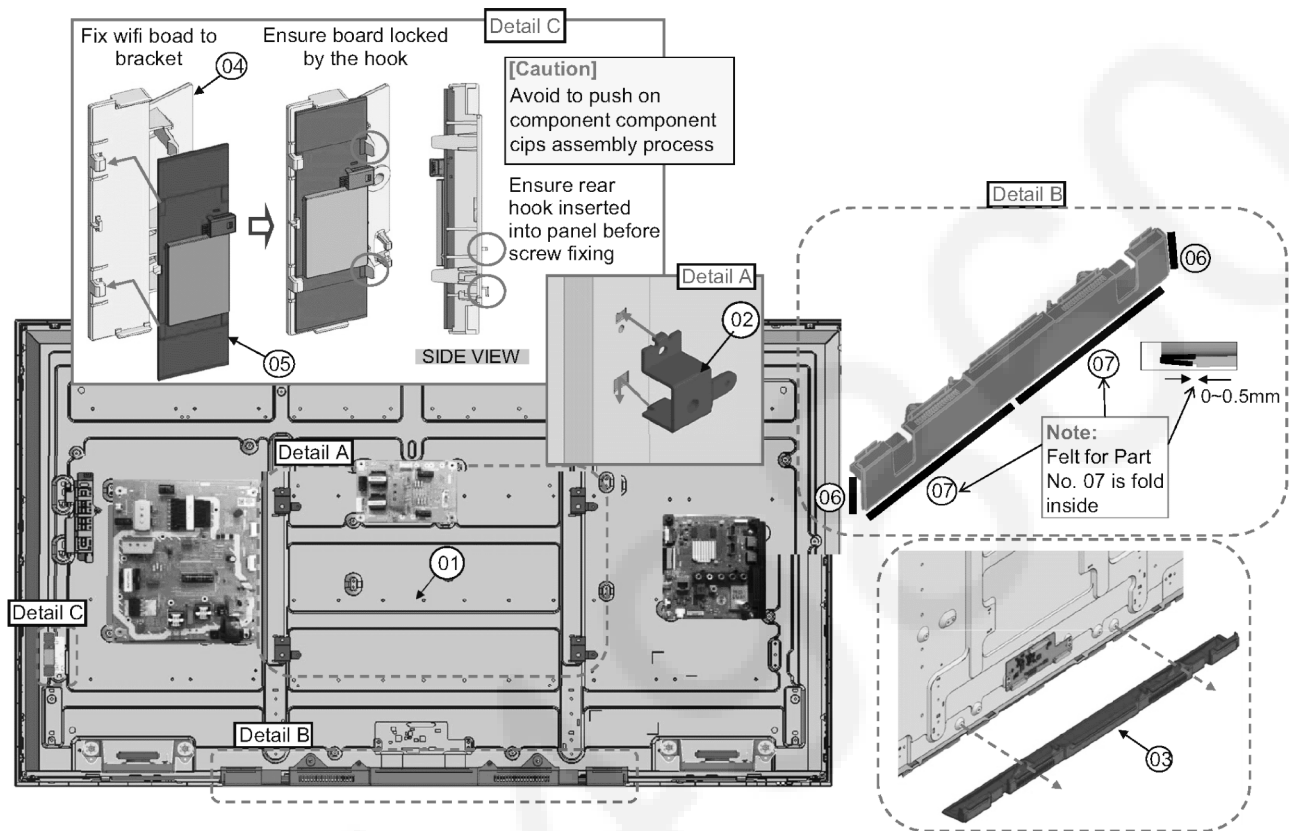
1. Fix SP BRACKET.
2. Install SP UNIT.
3. Fix KEY BUTTON BRACKET.
4. Stick the BARRIER temporary using yellow tape.



No	Description	Qty	UOM
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. VESA Metal & Btm Back Cover

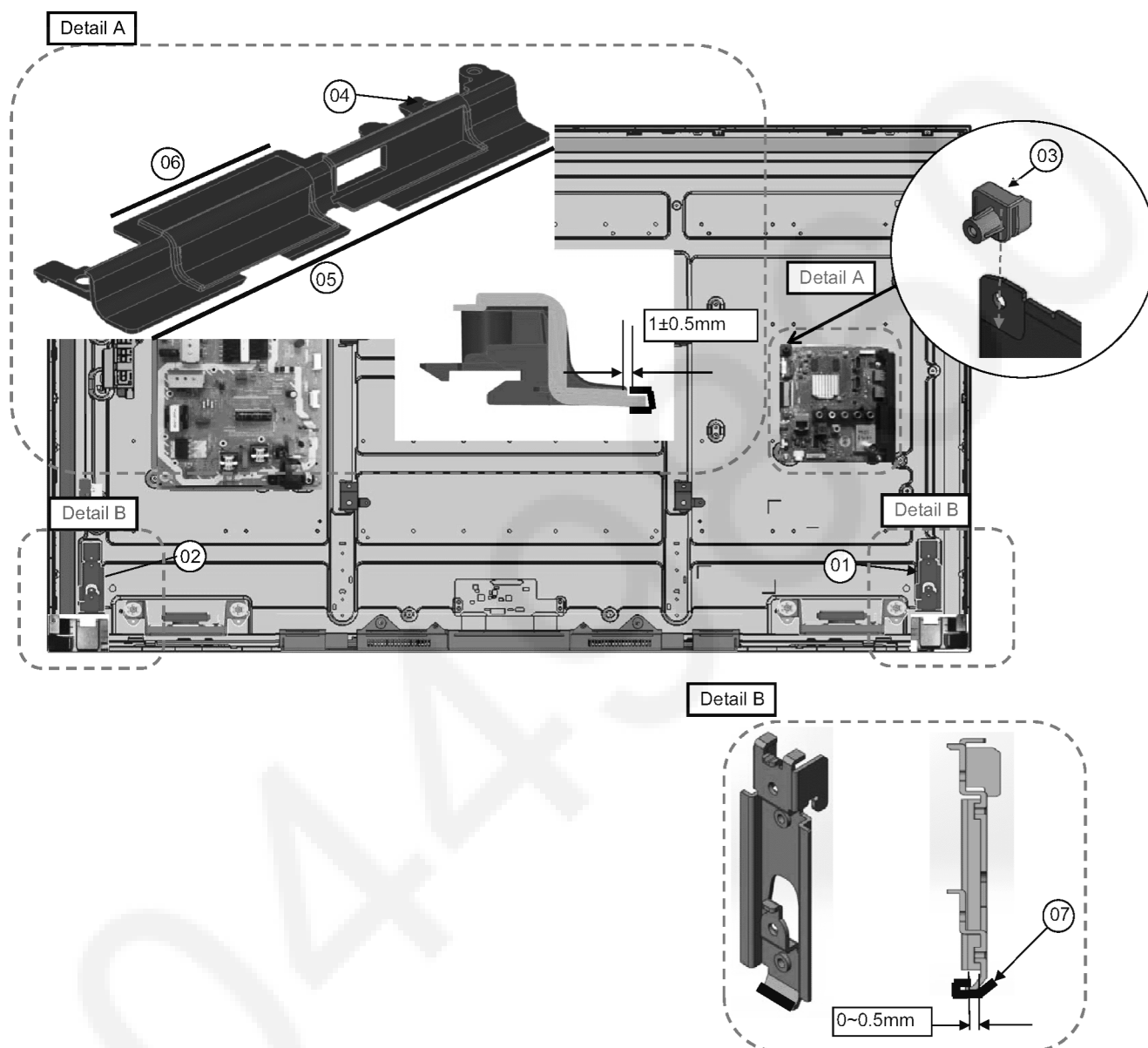
1. Fix WIFI MODULE into WIFI BRACKET.
2. Stick FELT to BOTTOM BACK COVER.
3. Fix BOTTOM BACK COVER.
4. Instal VESA METAL.



No	Description	Qty	UOM
01	ASS'Y 43 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
06	FELT (W5 x L40 x T0.35)	2	PC
07	FELT (W10 x L240 x T0.35)	2	PC

7.3. Bottom Metal & Bottom Corner Cover

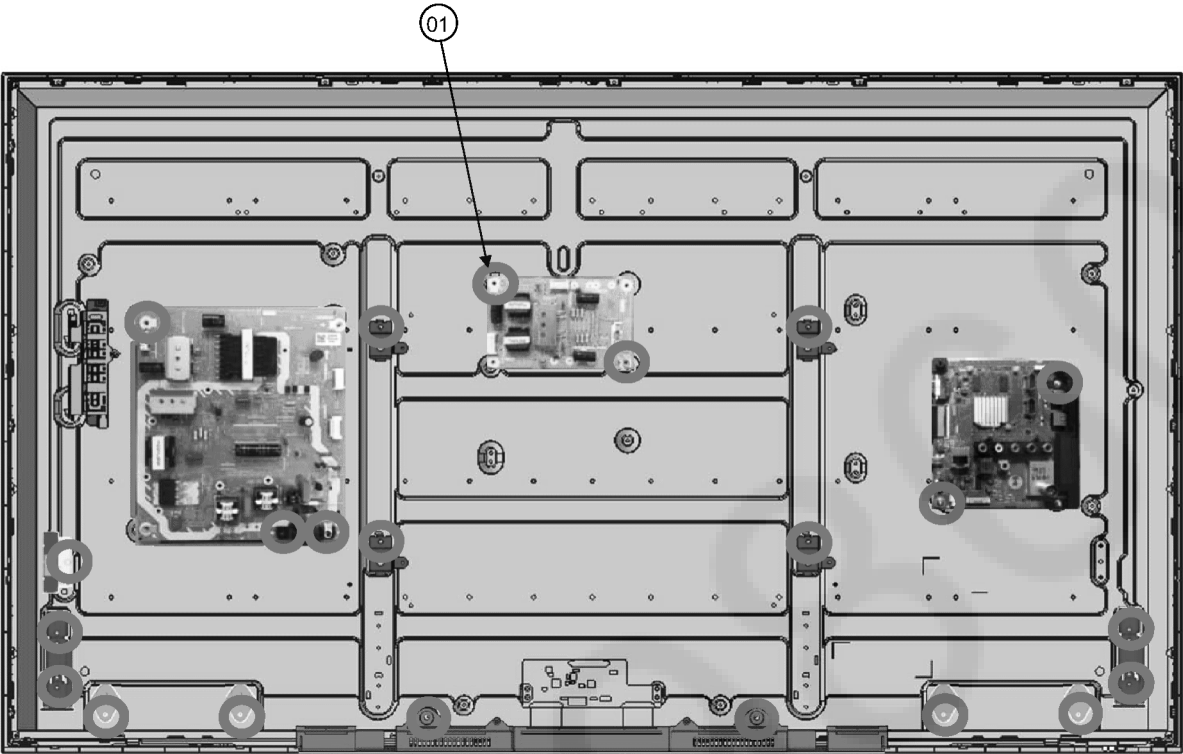
1. Stick FELT to SIDE AV BRACKET.
2. Fix BOTTOM METAL L and RIGHT.
3. Fix BOTTOM CORNER COVER L and R.



No	Description	Qty	UOM
01	BOTTOM METAL L	1	PC
02	BOTTOM METAL R	1	PC
03	CHASSIS BRACKET A-PCB	1	PC
04	SIDE AV BRACKET	1	PC
05	FELT (W10 × L130 × T0.35)	1	PC
06	FELT (W10 × L50 × T0.55)	1	PC
07	FELT (W10 × L10 × T0.35)	2	PC

7.4. Screw Installation (PANEL)

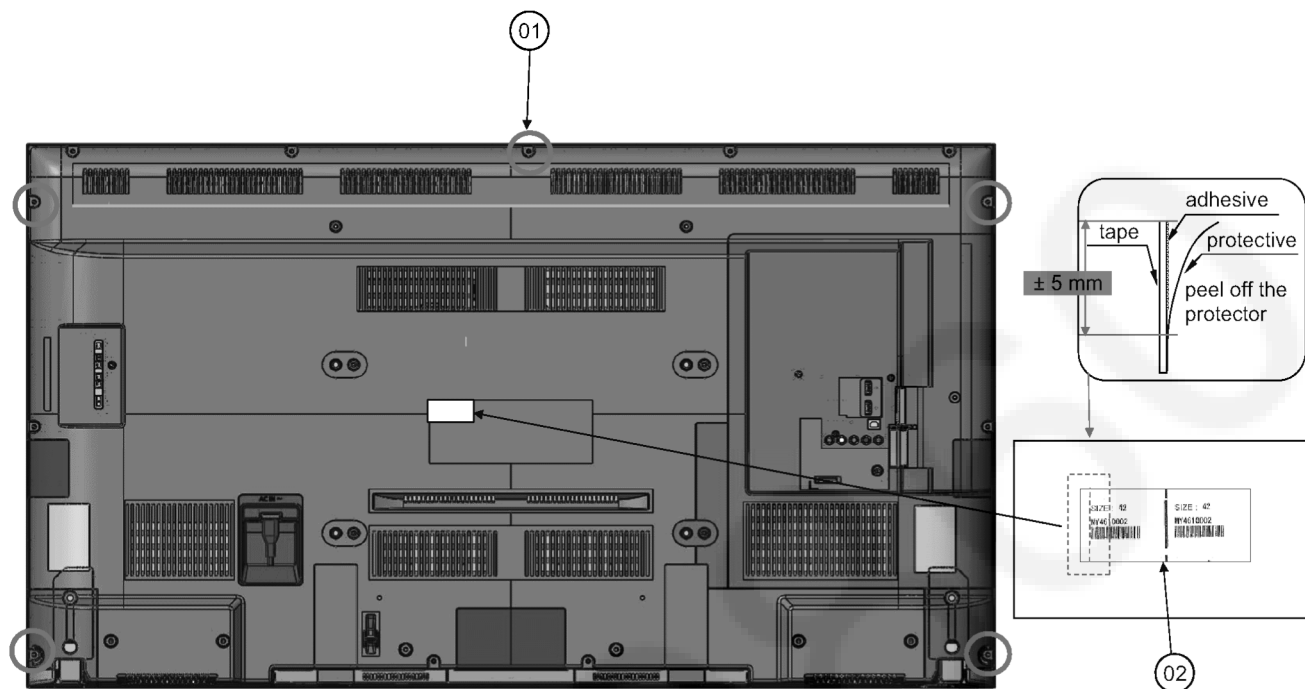
Screw all part follow the picture shown.



No	Description	Qty	UOM	Remarks
01	SCREW (A3/P5/VESA4/MTL4/SP4/WIFI1/LD4/B2)	22	PC	5 - 7 Kgfcmm

7.5. Screw Installation (BC)

Screw all part follow the picture shown.



No	Description	Qty	UOM	Remarks
01	SCREW (BC13/AV3/CRTL1/SP4)	5	PC	5 - 7 Kgfcmm
02	PANEL LABEL INHOUSE	1	PC	

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
PANEL12V	TP4097	11.3V - 13V
SUB3.3V	TP5400	3.16V - 3.48V
SUB5V	TP5420	4.98V - 5.25V
SUB1.5V	TP8101	1.45V - 1.57V
SUB1.1V	TP8100	1.14V - 1.26V
STB5V	TP5200	4.9V - 5.4V
STB3.3V	TP5002	3.14V - 3.46V
TU_1.8V	TP6700	1.71V - 1.89V
HDMI3.3V	TP8000	3.14V - 3.46V

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
24V	TP7407	< 1V	32V $\pm$ 1.6V
16V	TP7410	< 1V	15.7 $\pm$ 0.8V
5VS	TP7501	5.25 $\pm$ 0.2V	5.2 $\pm$ 0.2V
PFC	TP7201 or TP7202	< 340V	390V $\pm$ 15V

*HOT

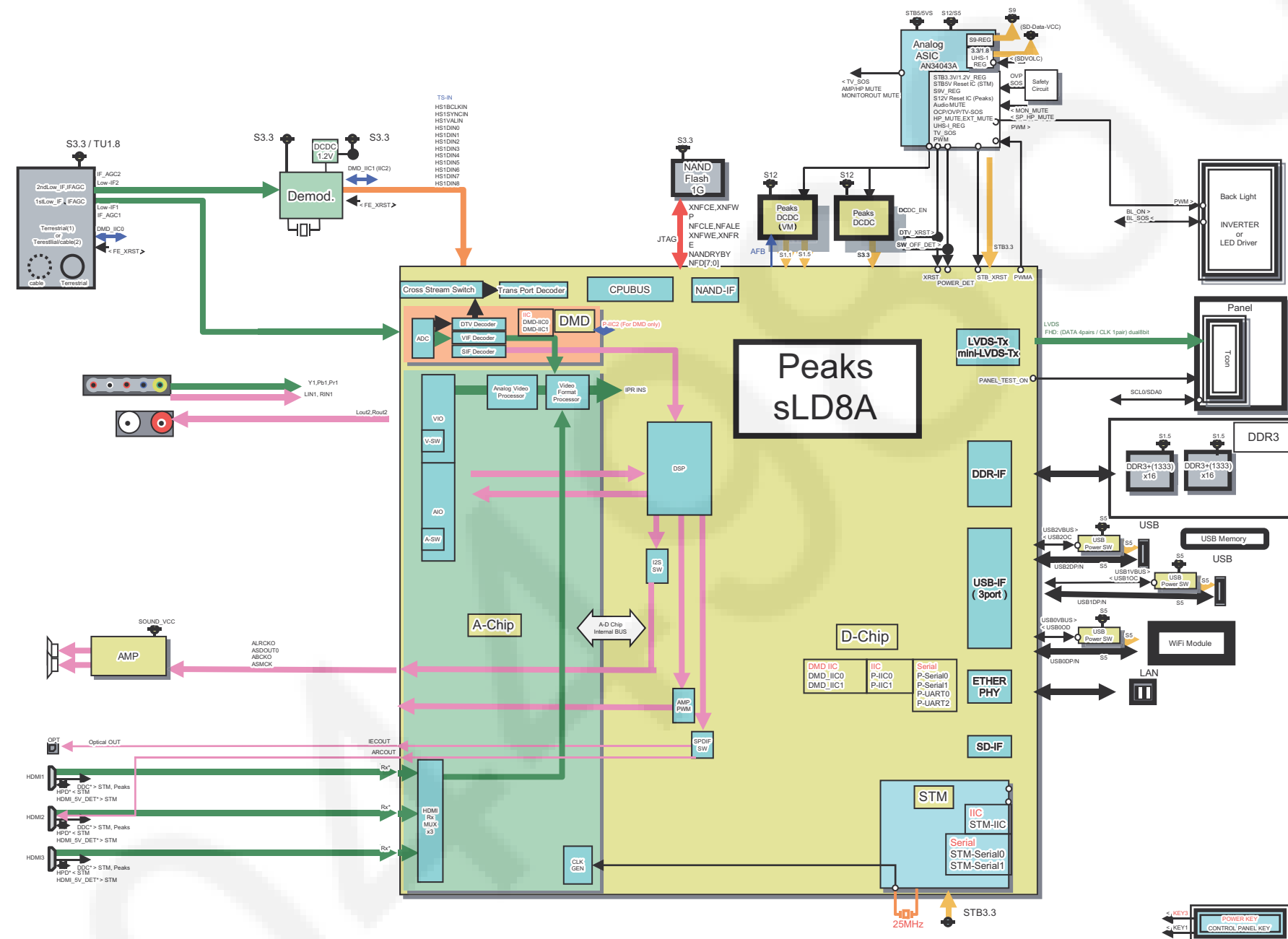
Step 1 Supply AC 80V/176V to JK7101 connector in the P-Board. Main power button is OFF.

Step 2 SUPPLY DC 2.5V TO TV_SUB_ON P2 CONNECTOR - PIN 9 (TP7416), DISPLAYED AS SWITCH.

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

9 Block Diagram

9.1. Main Block Diagram



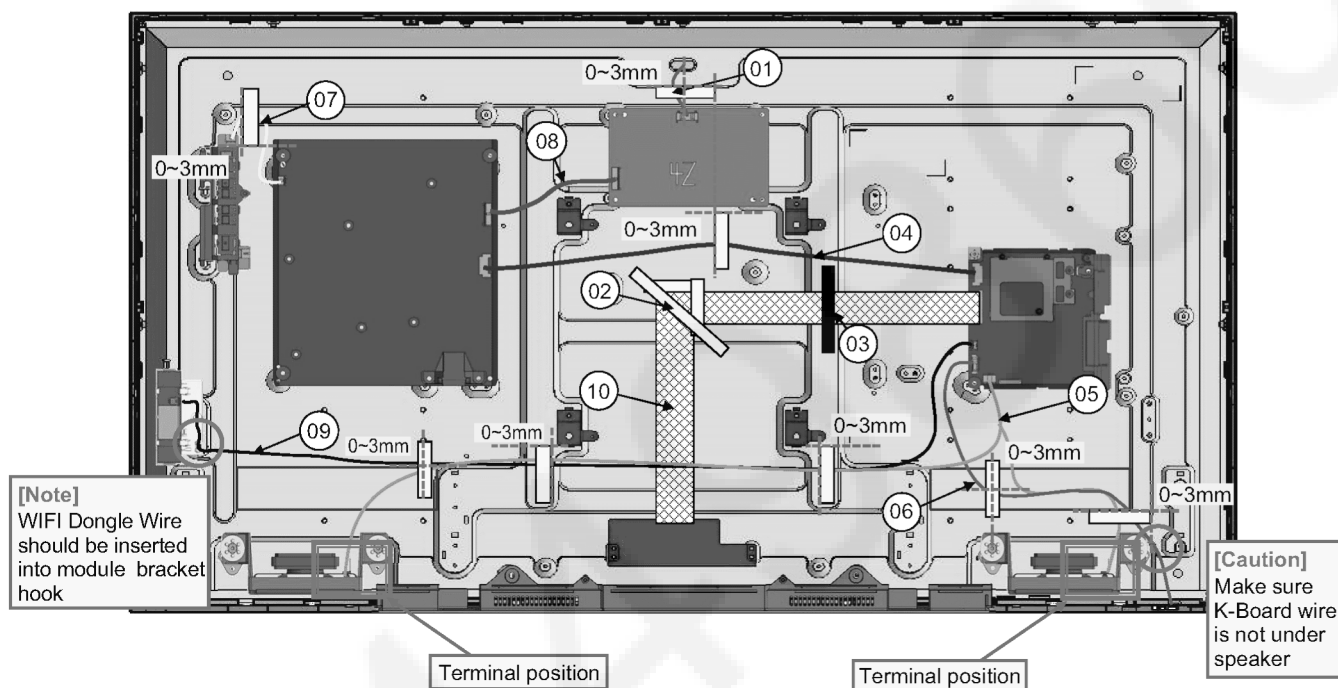
10 Wiring Connection Diagram

10.1. Wire Dressing

1. Do the wire dressing follow the diagram below.
2. Each tape sticking is detail.

[Caution]

1. Ensure all connectors are fully inserted and locked
2. Tapes should be rubbed evenly at least twice
3. Make sure no wires are within screwing positions

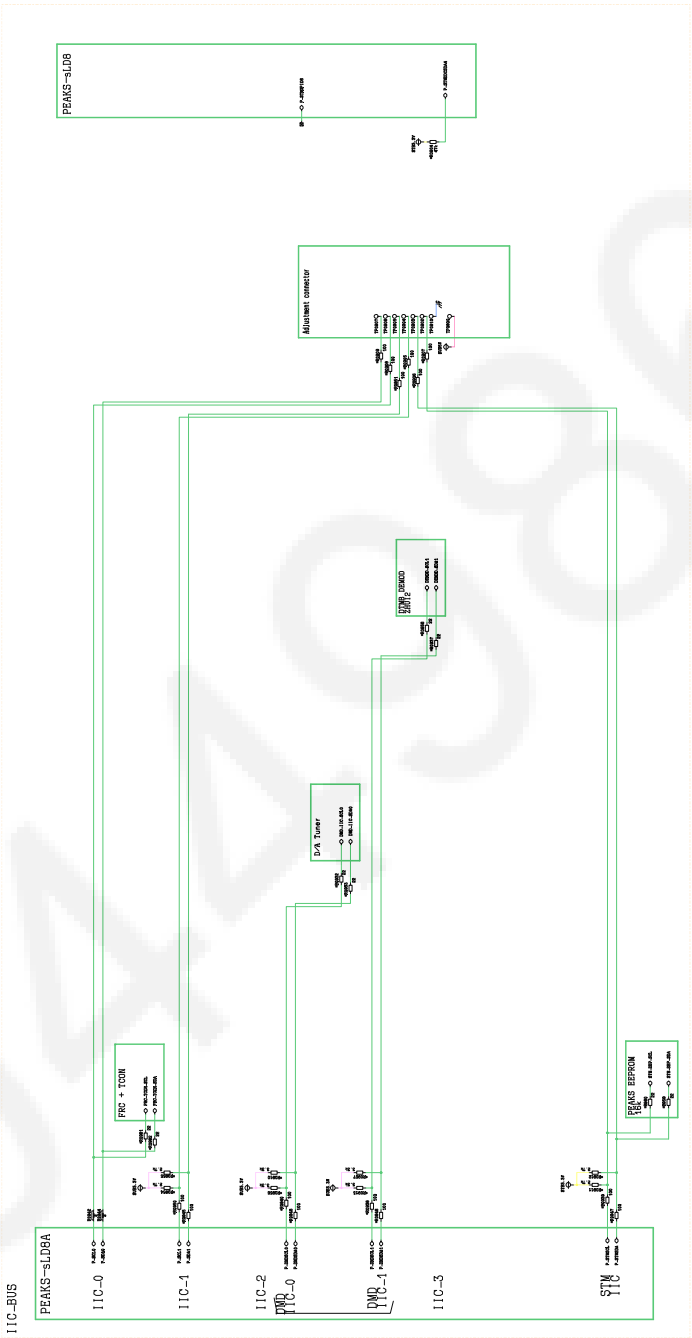


No	Description	Qty	UOM	Remarks
01	PET_TAPE	0.60	MT	60 mm × 10
02	PET_TAPE	0.11	MT	110 mm × 1
03	PET + AL TAPE	1	PC	
04	WIRE (A02-P2)	1	PC	
05	WIRE (A12-SPL/SPR)	1	PC	
06	WIRE (A10-K10/BT)	1	PC	
07	WIRE (P5-GK)	1	PC	
08	WIRE (P4-LD)	1	PC	
09	WIFI DONGLE WIRE	1	PC	
10	LVDS CABLE	1	PC	

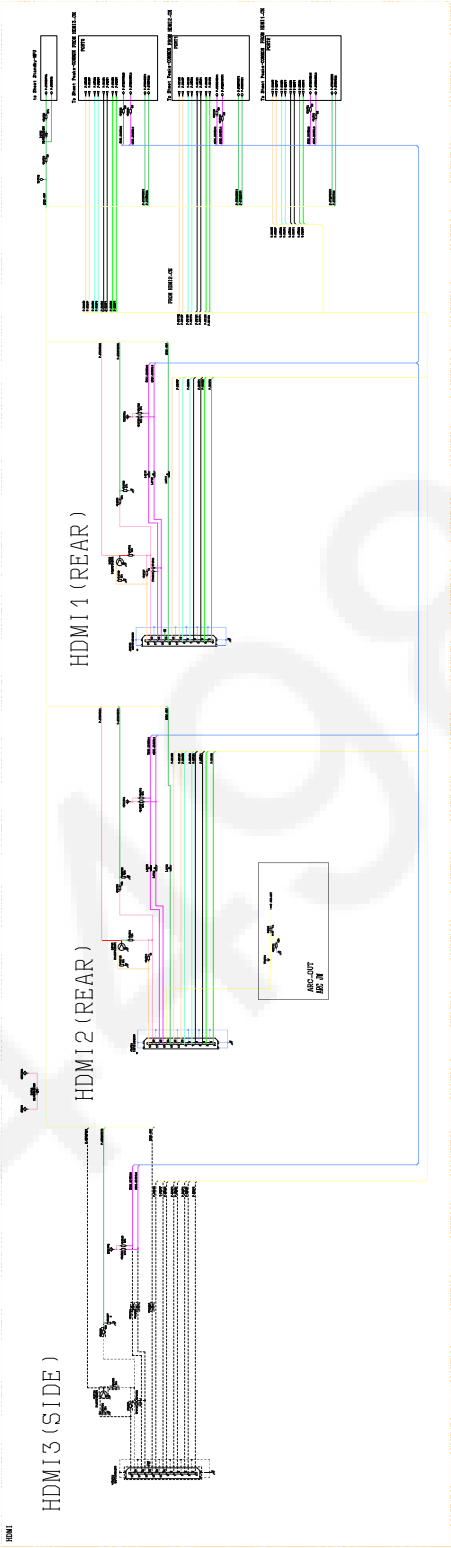
11 Schematic Diagram

Model No. : TH-43D410R A-Board (1/19)

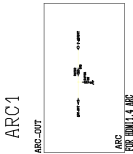
SHEET 002
I I C Net
REF No. 0900 - 0999



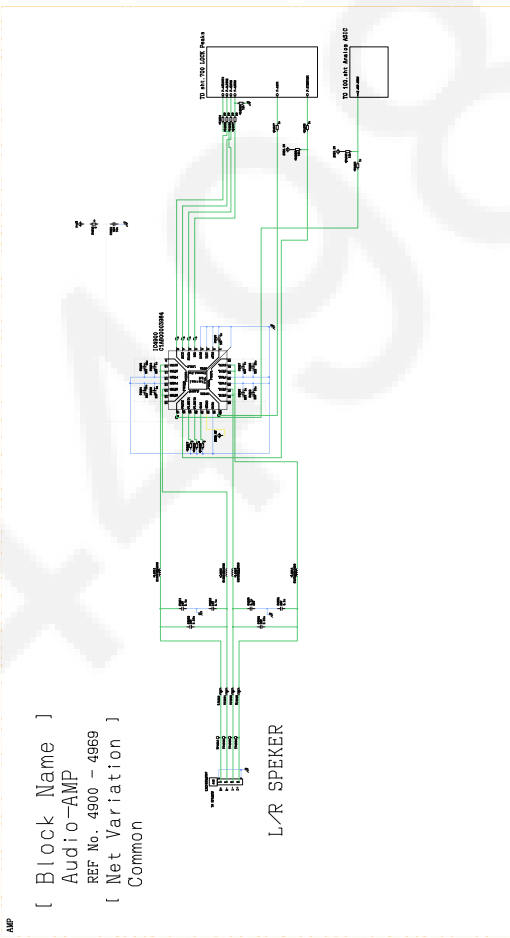
SHEET 003
HDMI/AudioAMP
REF No. 4500 - 4749
[Net Variation]
Each PCB



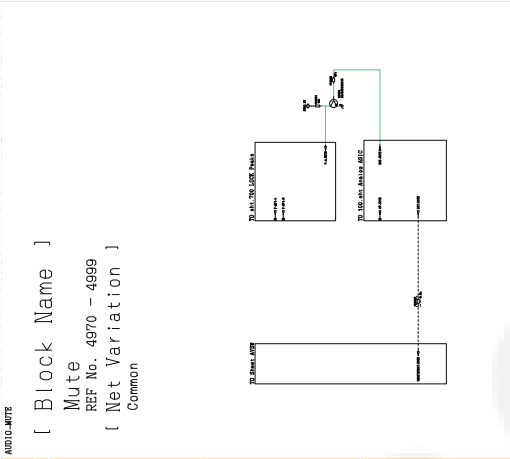
[Block Name]
ARC
REF No. 4750 - 4799
[Net Variation]
Common



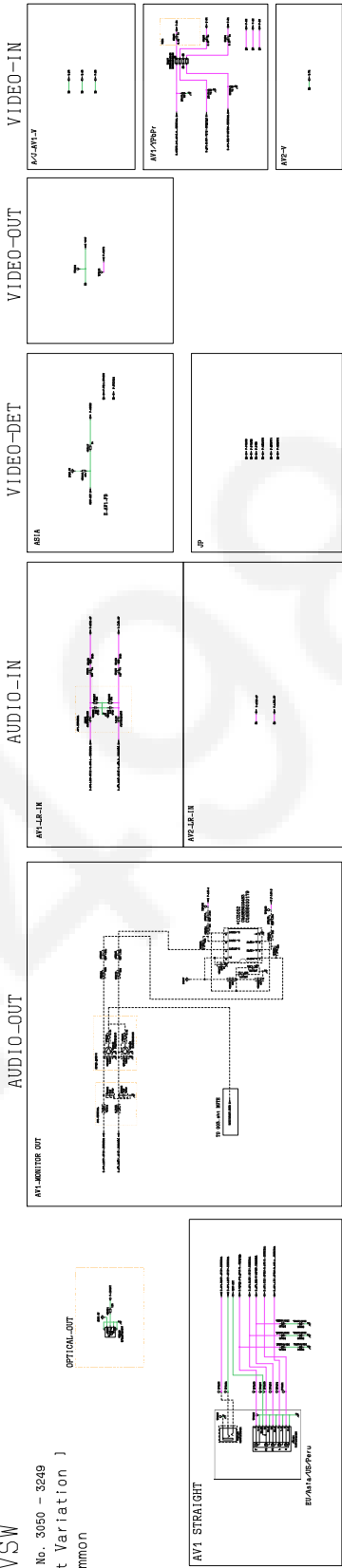
[Block Name]
Audio-AMP
REF No. 4900 - 4969
[Net Variation]
Common



[Block Name]
Mute
REF No. 4970 - 4999
[Net Variation]
Common

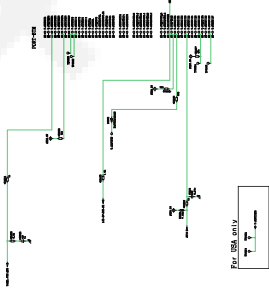


SHEET 004
AVSW
REF No. 3050 - 3249
(Net Variation)
Common

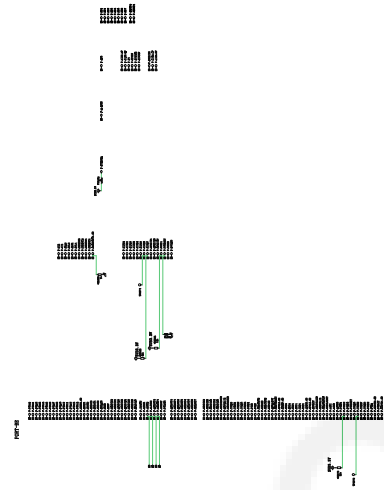


SHEET 005
PEAKS_OTHER
REF No. 8800 - 8849

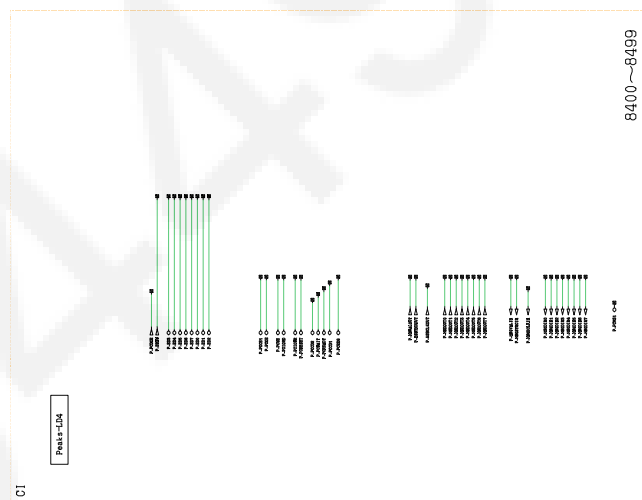
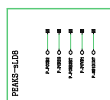
[Block Name]
STM Port
REF No. 8850 - 8870
[Net Variation]
Common



[Block Name]
Peaks Port
REF No. 8870 - 8899
[Net Variation]
Common



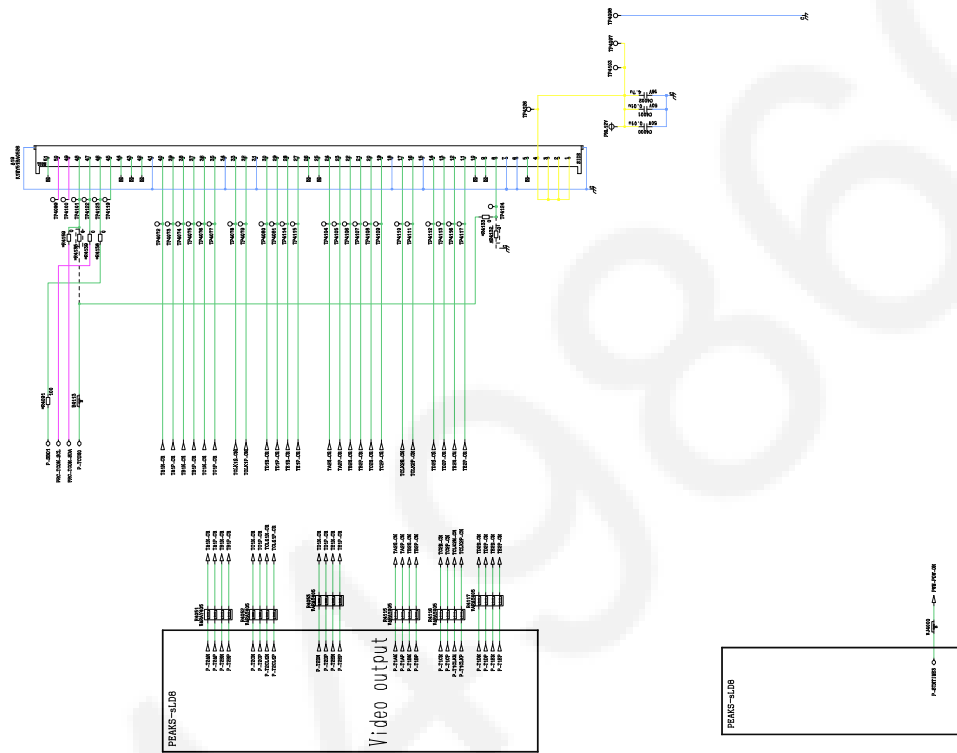
[Block Name]
B-CAS
REF No. 2700 - 2749
[Net Variation]



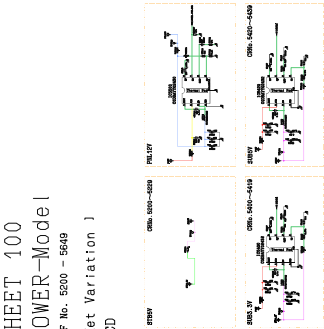
SHEET 006
CI
REF No. 8400 - 8449
[Net Variation]
Common

SHEET 009
LVDS-IF/T-CON

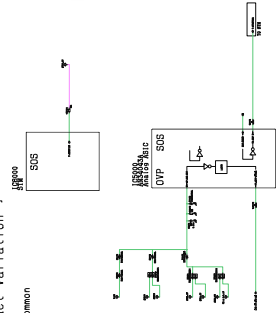
REF No. 4000 - 4499



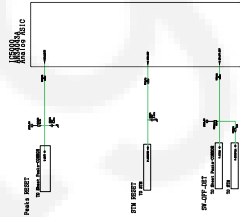
SHEET 100
POWER-Mode I
REF No. 5200 - 5249
(Net Variation)
LCD



[Block Name]
SOS
REF No. 5170 - 5199
(Net Variation)
Common



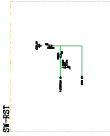
[Block Name]
POWER_DET
REF No. 5140 - 5169
(Net Variation)
Common



[Block Name]
ANALOG_RST
REF No. 5000 - 5039
(Net Variation)
Common



[Block Name]
POWER_KEY_RESET
REF No. 1951 - 1999
(Net Variation)
Common
NonUse



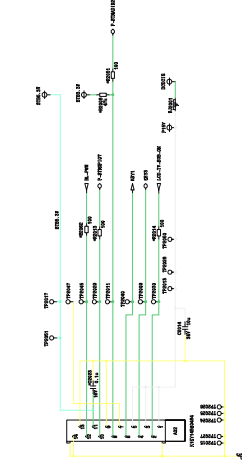
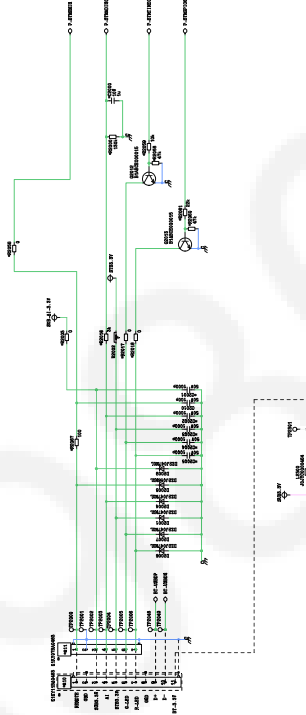
SHEET 101
SET

REF No. 2000 - 2299

[Net Variation]

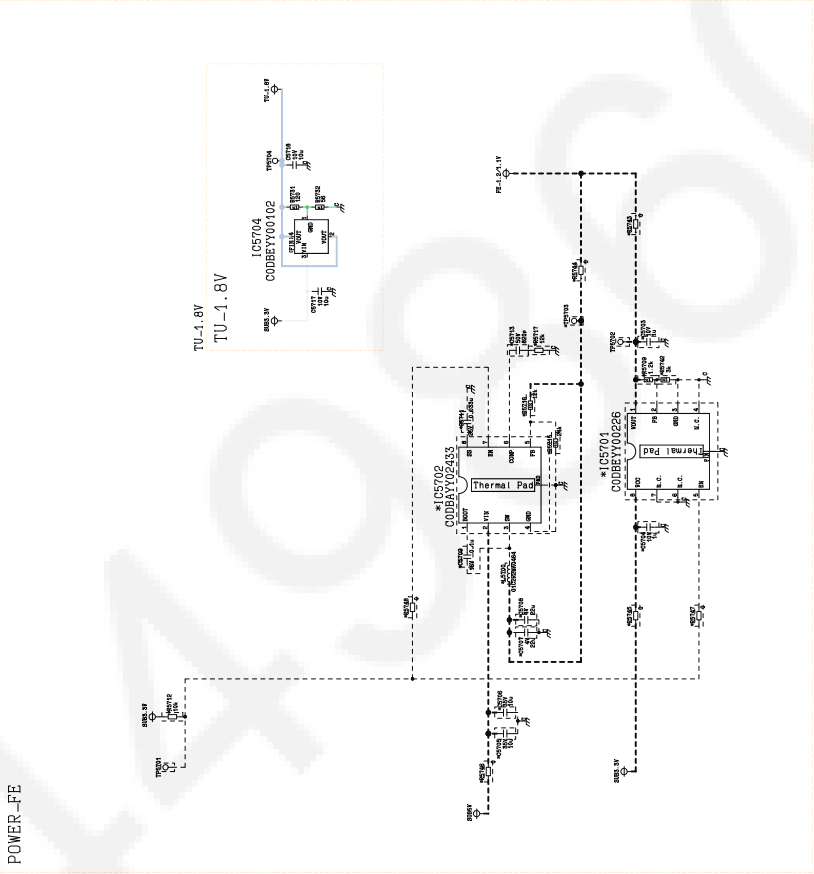
to K-PCB

to P-PCB



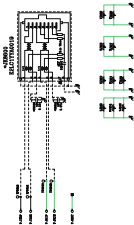
SHEET 102
POWER FOR TU+FE

REF No. 5700 - 5899

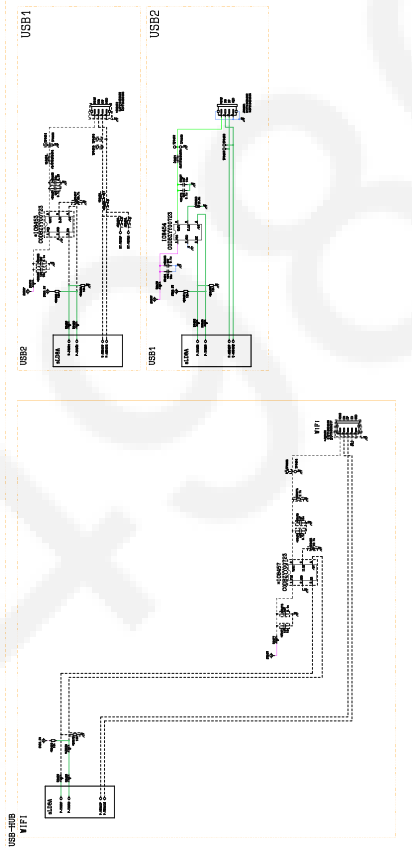


SHEET 301
COMMON-EtherPHY/USB/SD
REF No. 8600 - 8659

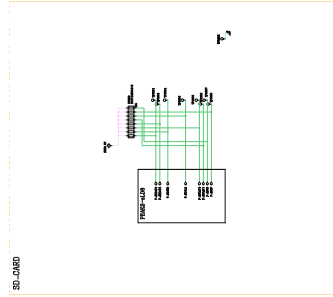
LAN



[Block Name]
USB
REF No. 8450 - 8599
[Net Variation]
Common



[Block Name]
SD
REF No. 8660 - 8699
[Net Variation]

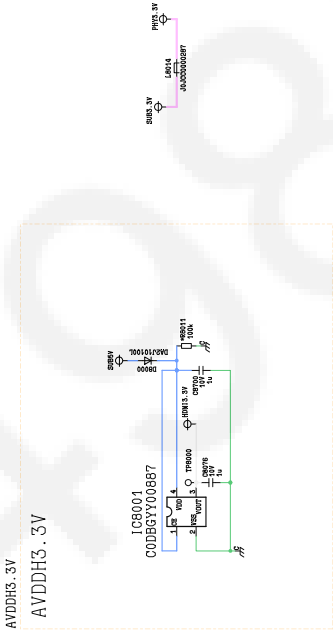


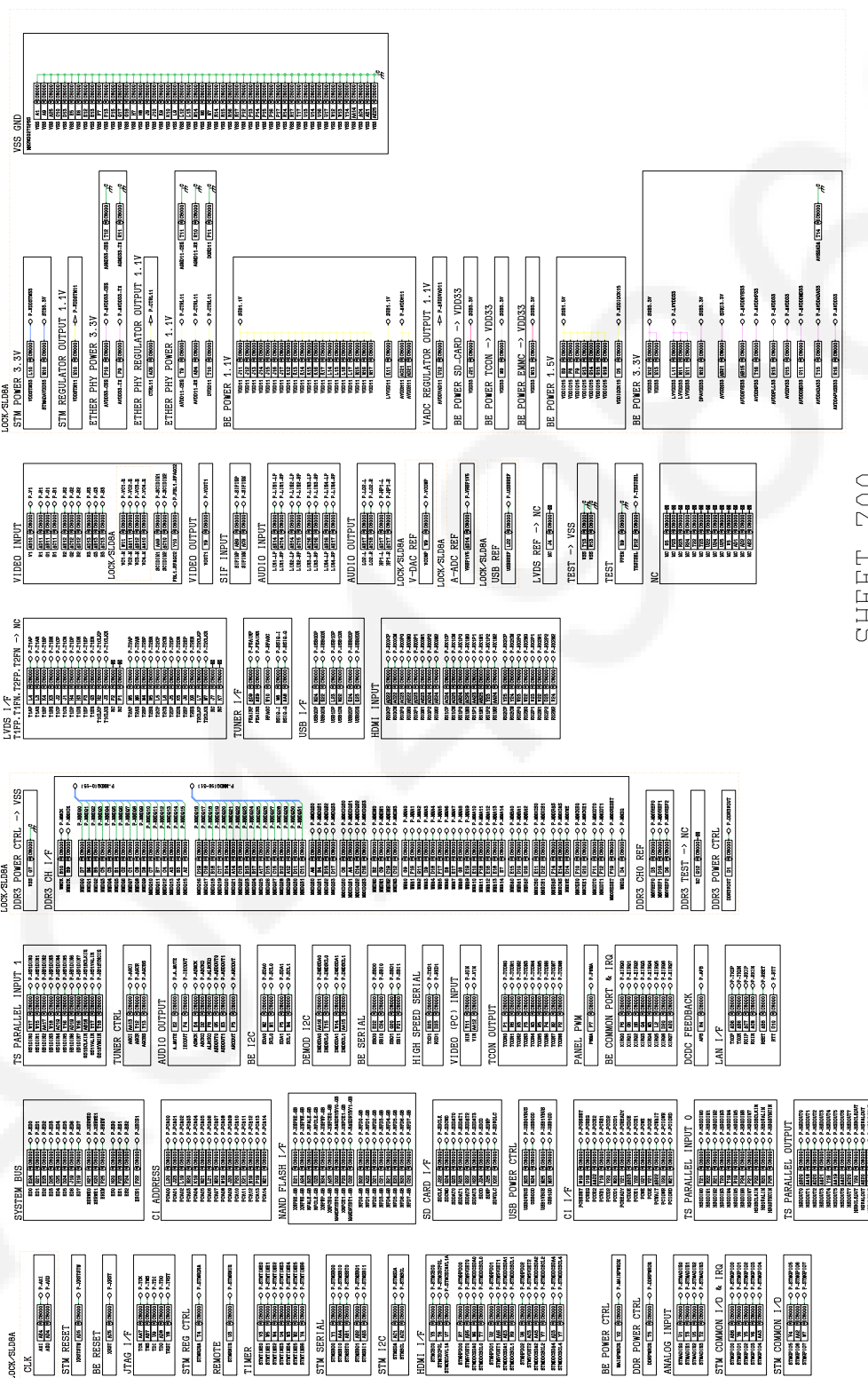
SHEET 302

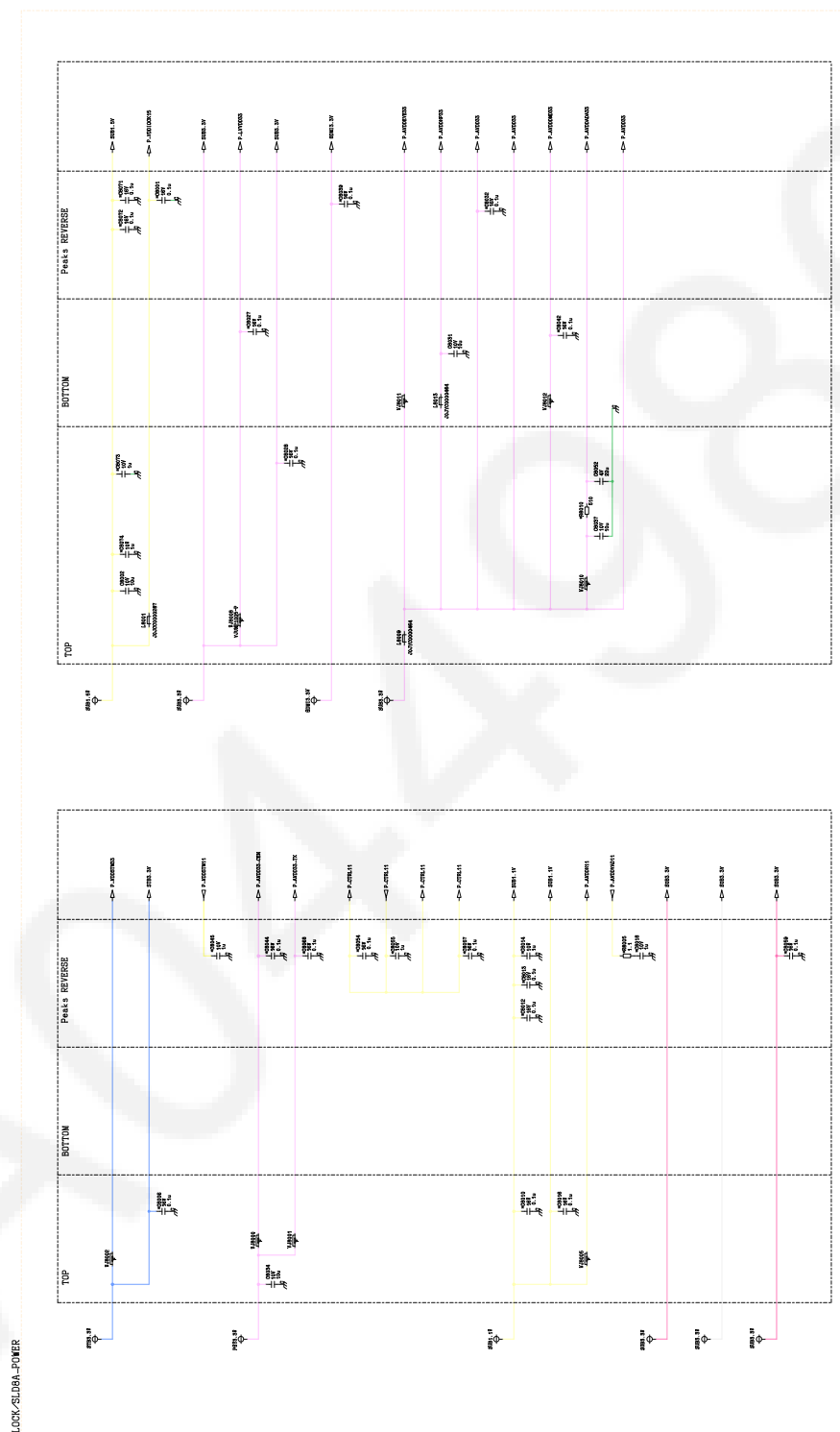
POWER-Peaks

REF No. 8000 - 8999

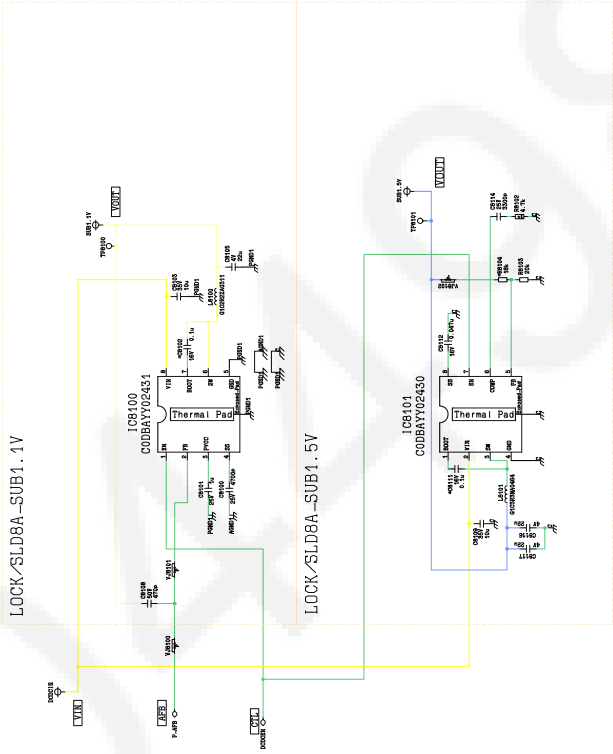
[Net Variation]



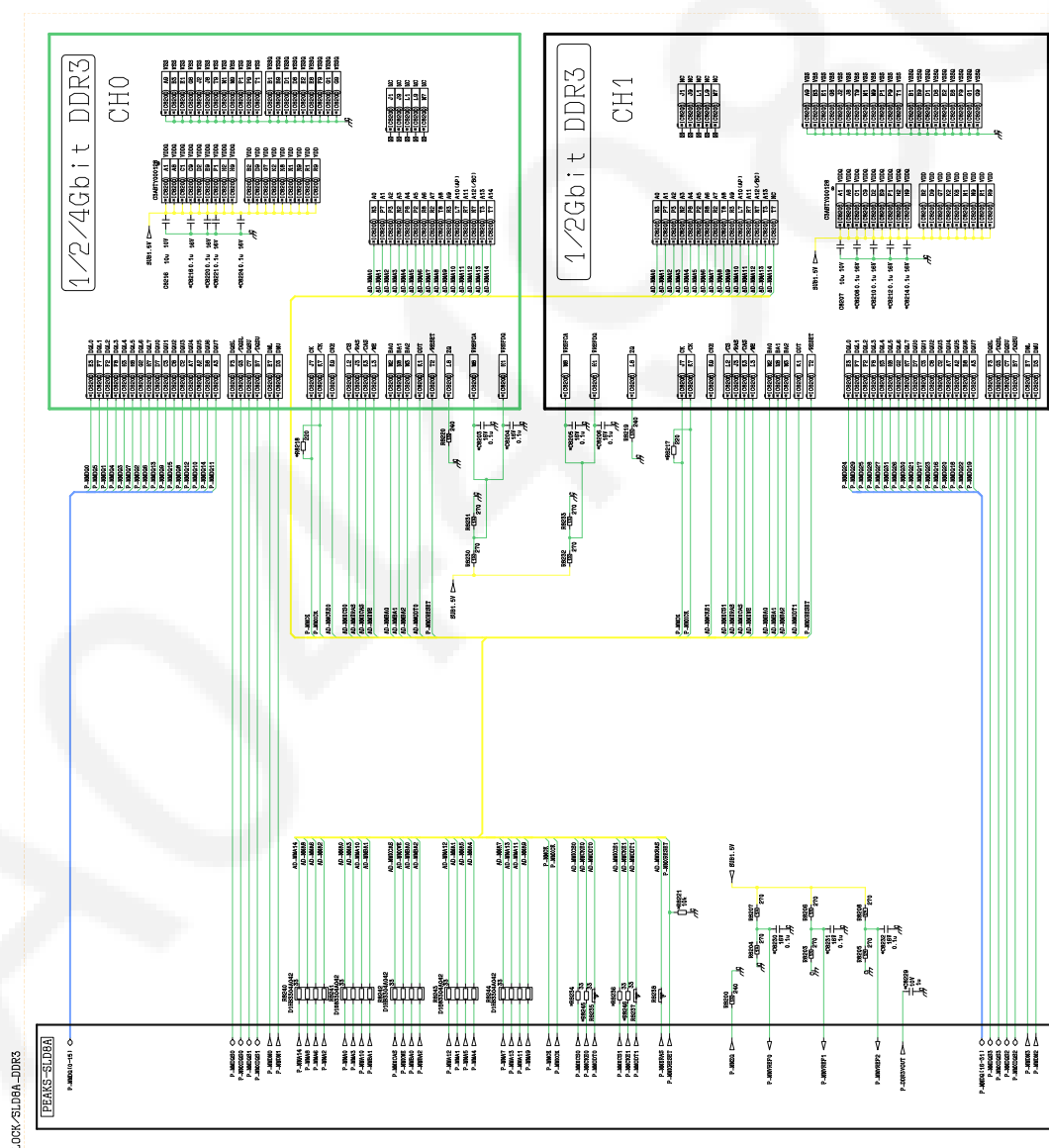




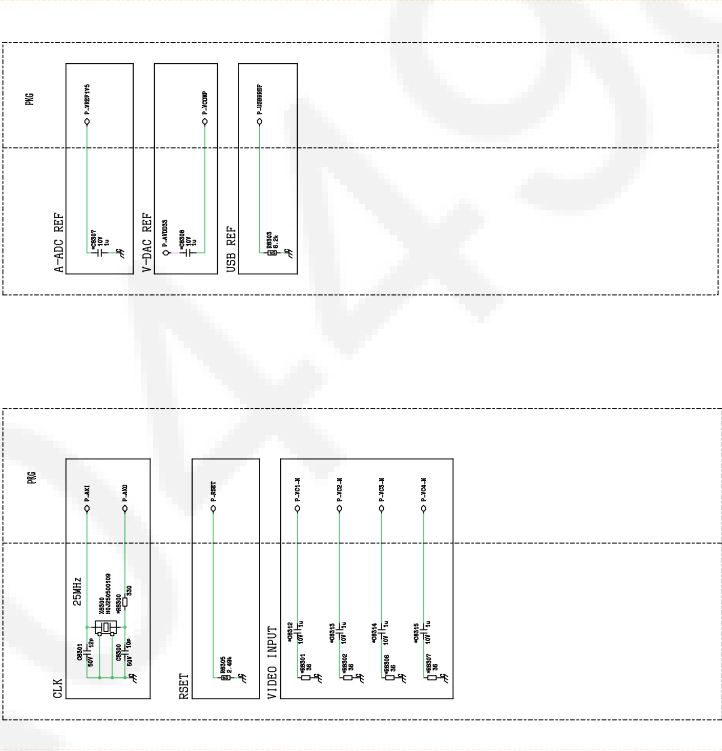
SHEET 701
LOCK-PEAKS-POWER
CRN0 : 8001 - 8099



SHEET 702
LOCK-PEAKS-DCDC
CRNo : 8100 - 8199

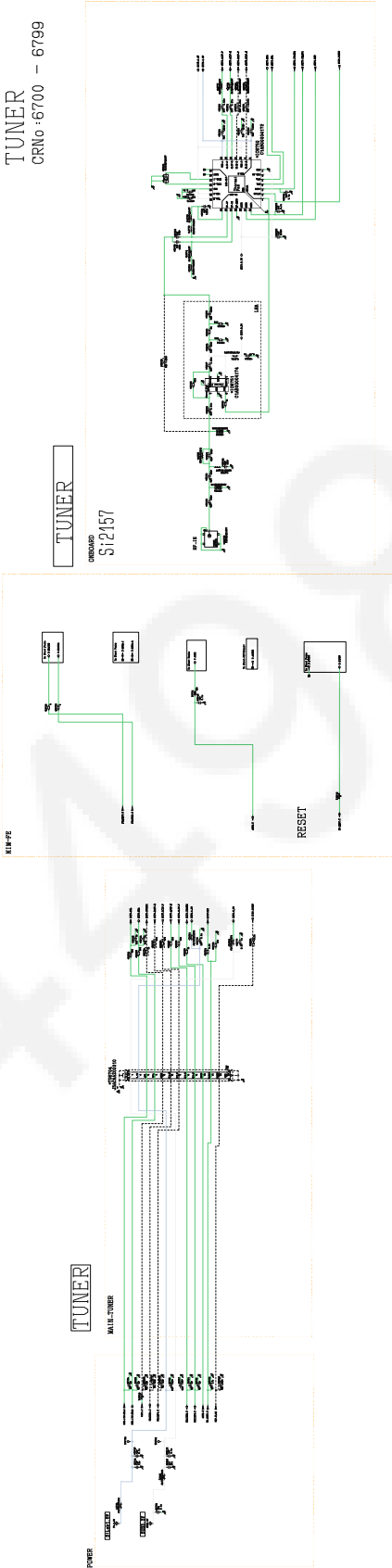


LOCK-SLD8A-DEST

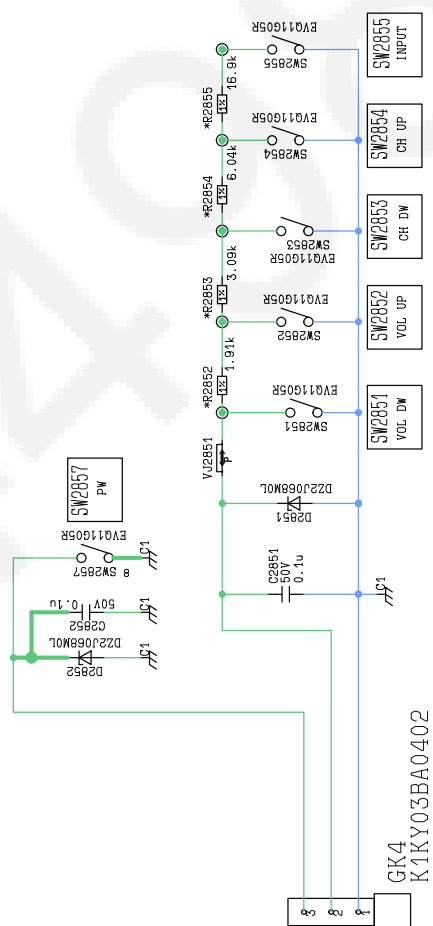


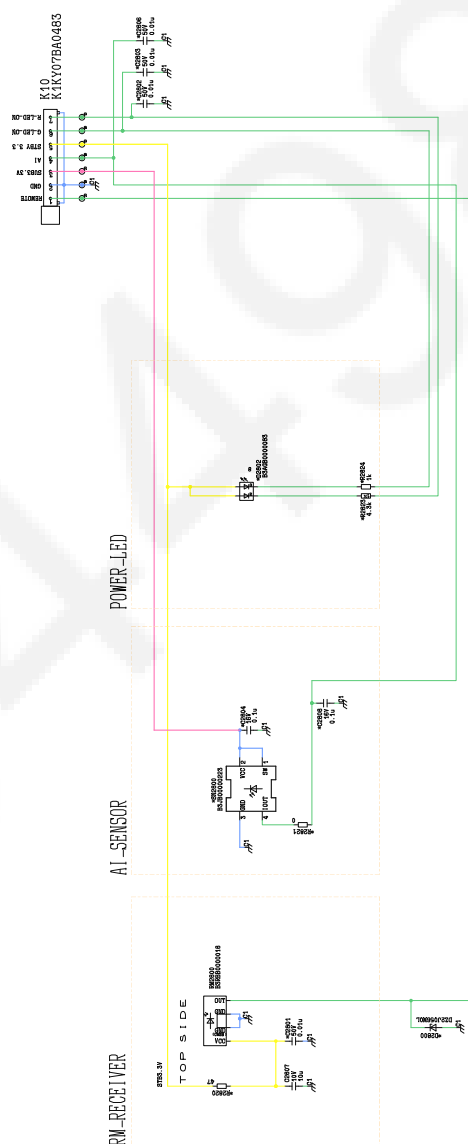
SHEET 704
LOCK-PEAKS-DEST
CRNo : 8300 - 8399

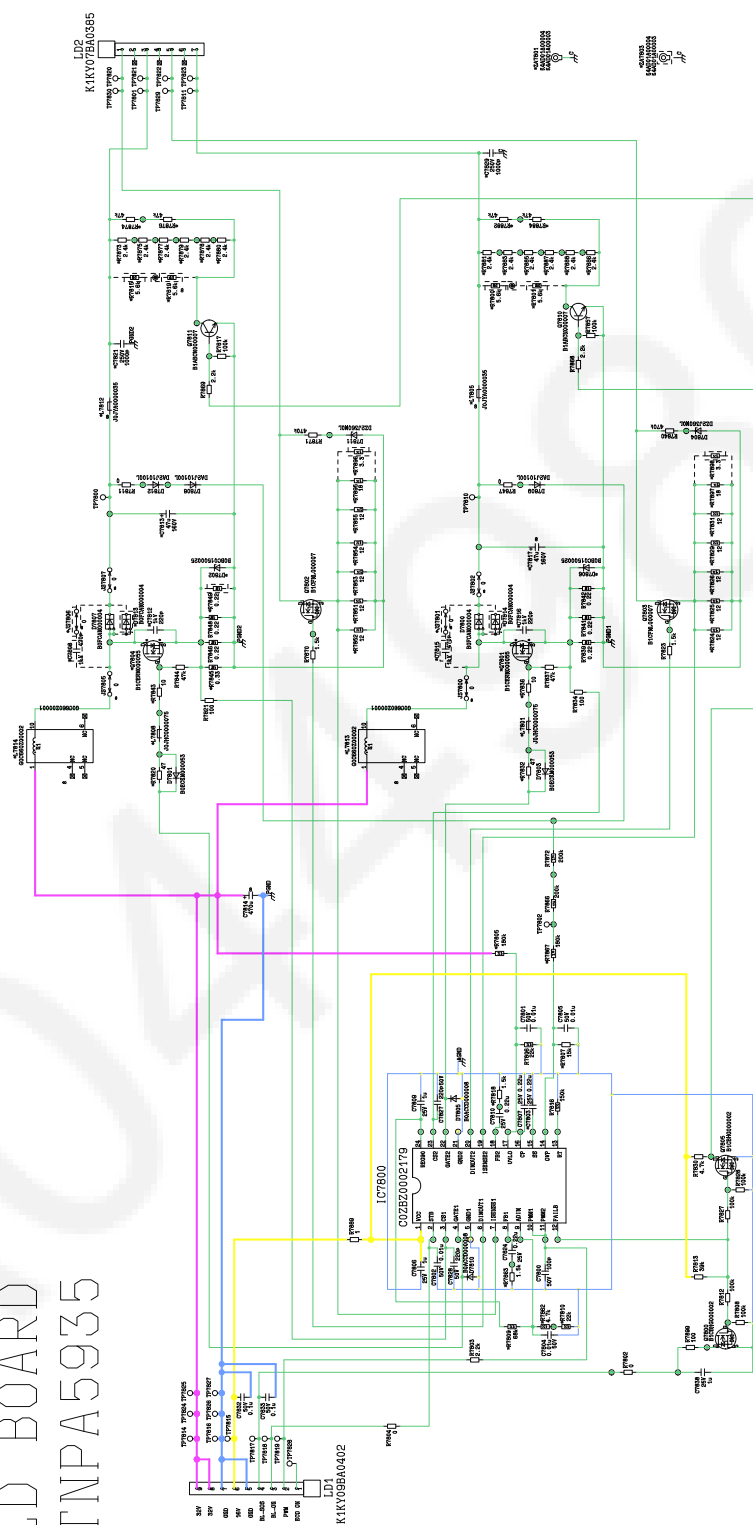
SHEET 706
TUNER
CRNG 6700 - 6799

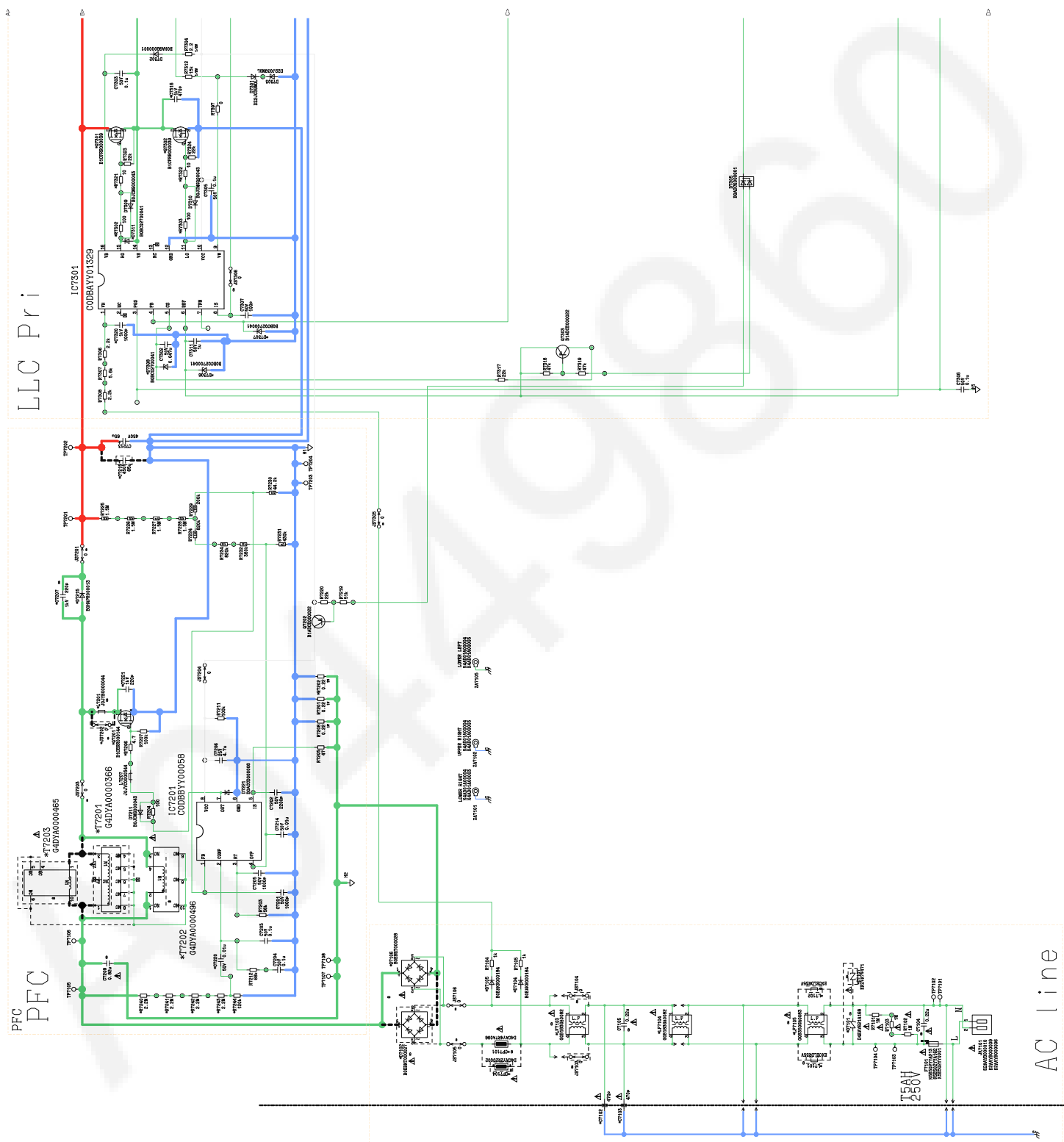


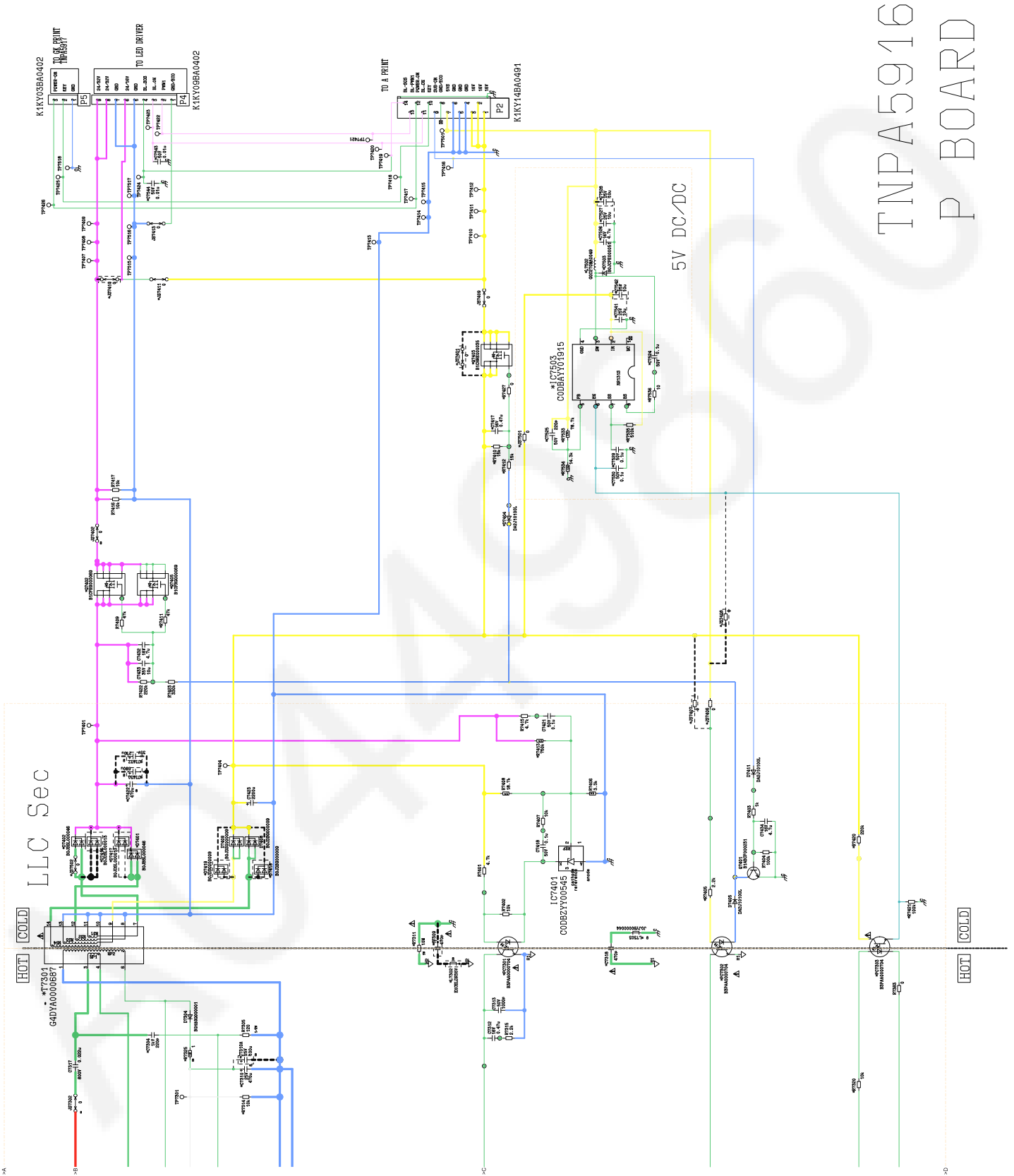
GK BOARD
TNPA5917AA
CRNo. : 2850~2879





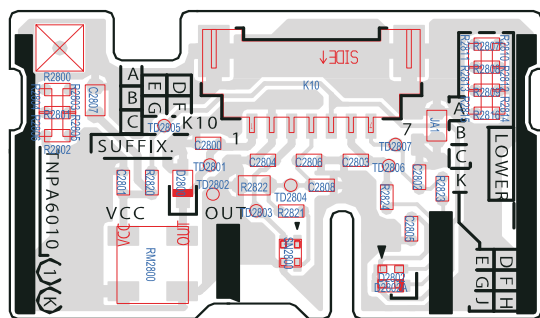




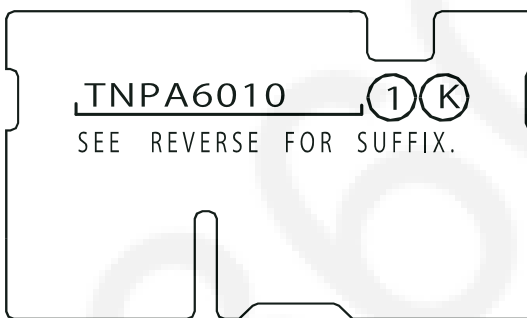


TNPA5916
P BOARD

K-BOARD

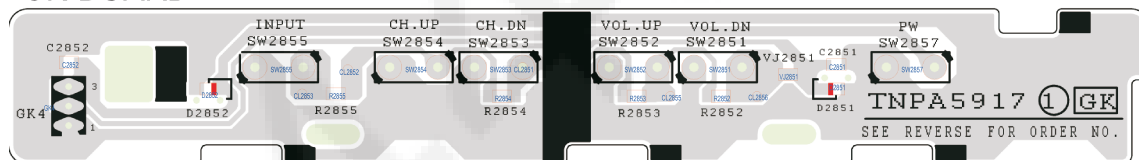


(FOIL SIDE)

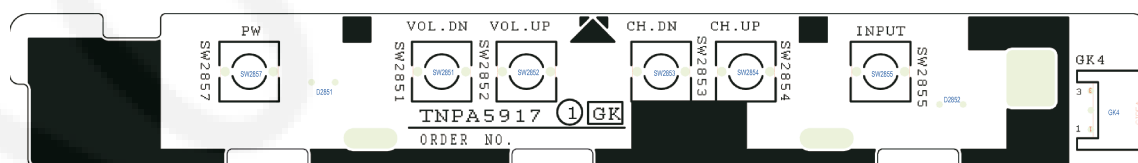


(COMPONENT SIDE)

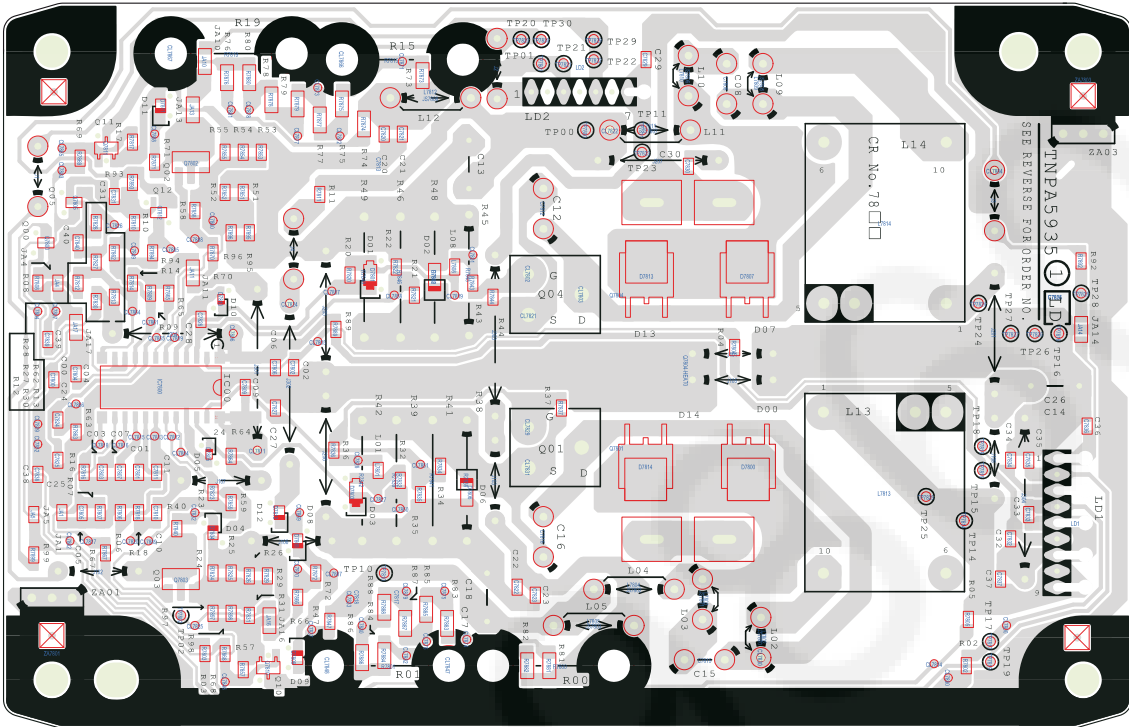
GK-BOARD



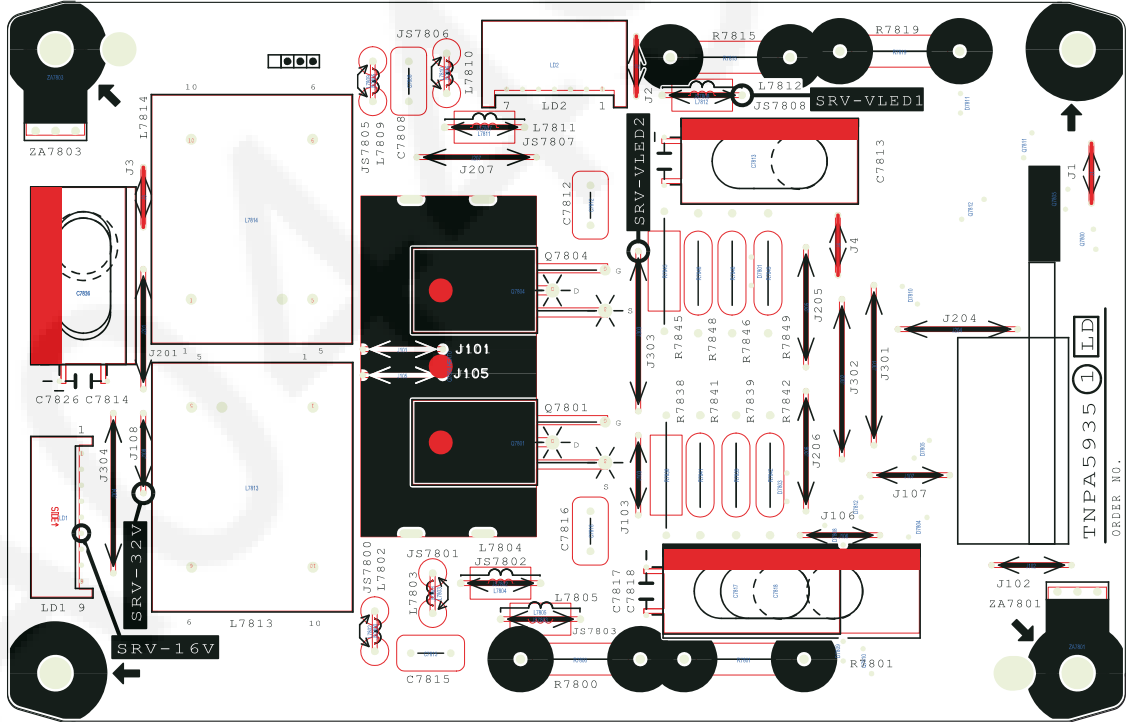
(FOIL SIDE)



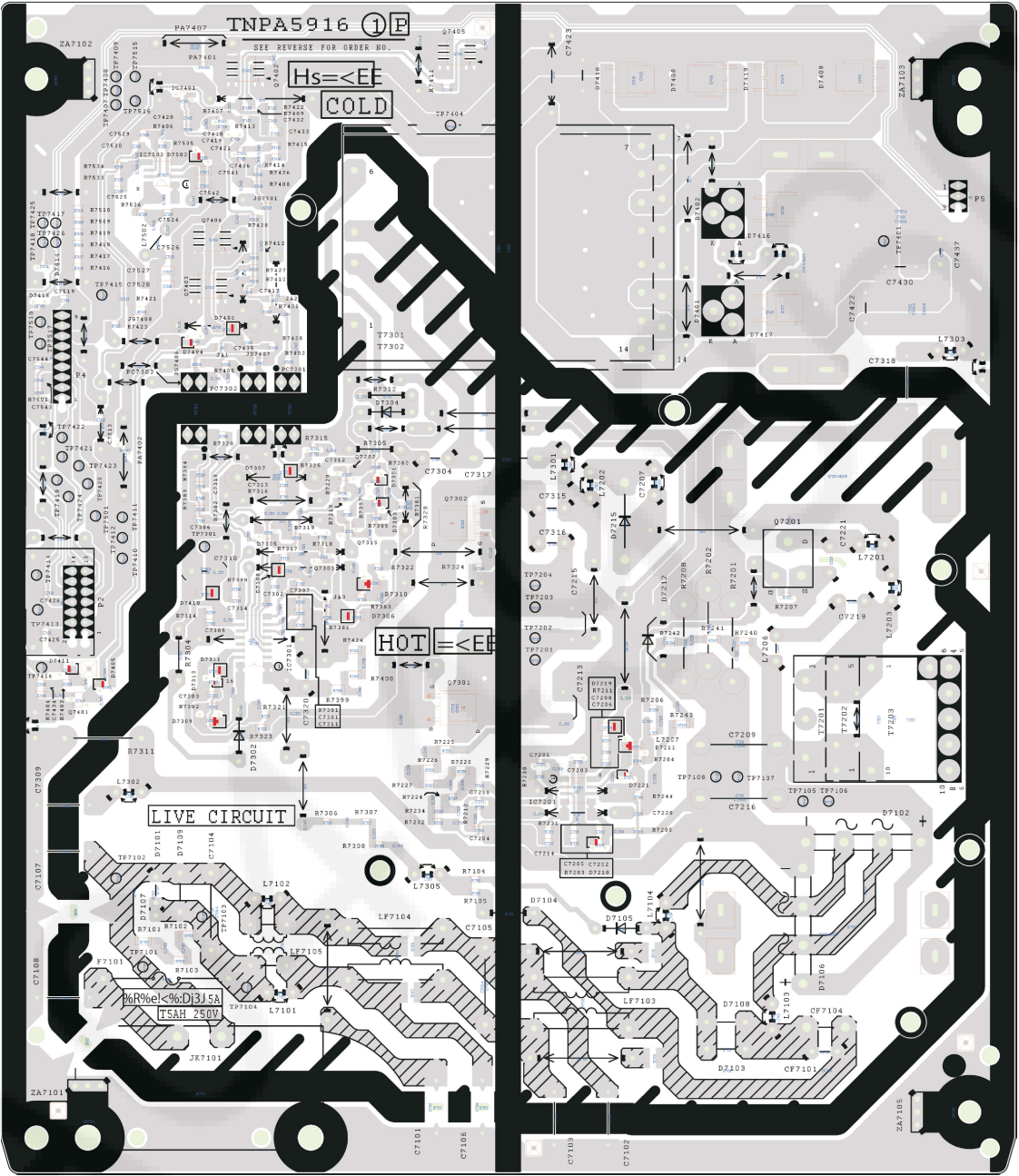
(COMPONENT SIDE)



(FOIL SIDE)

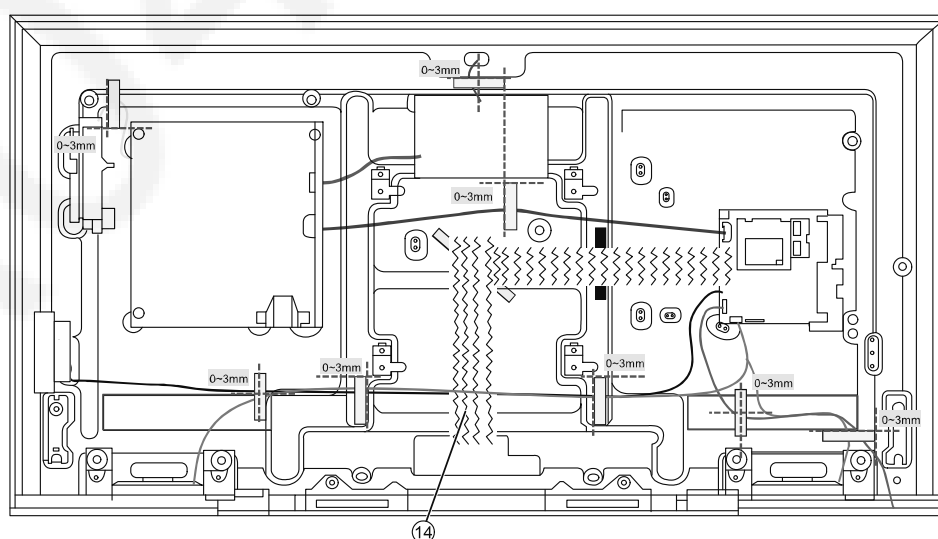
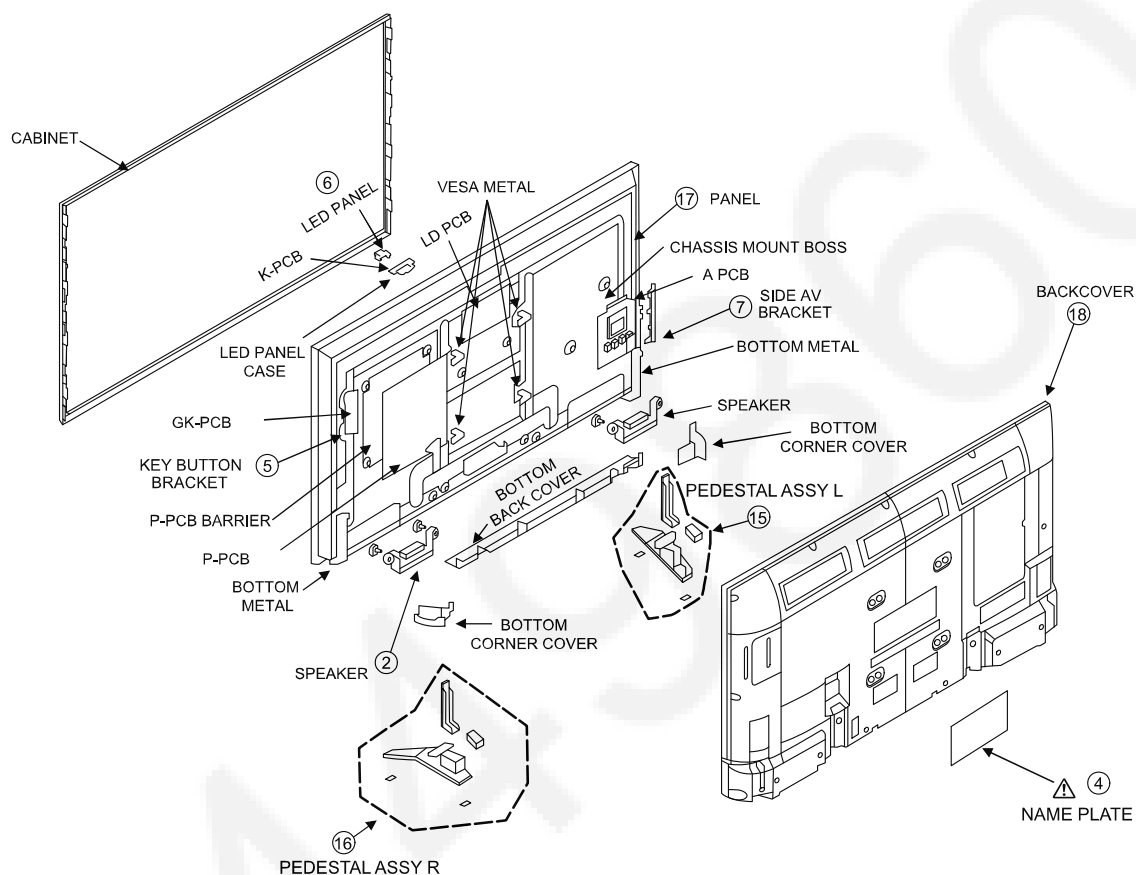


(COMPONENT SIDE)



13 Exploded View and Replacement Parts List

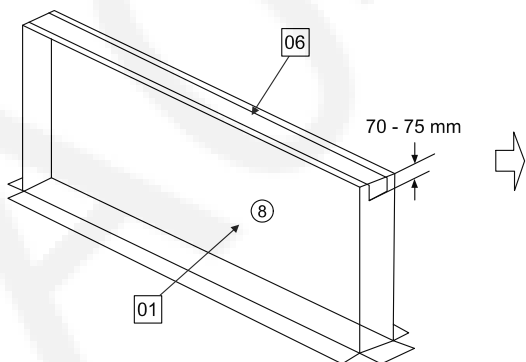
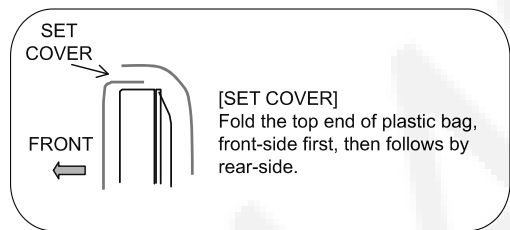
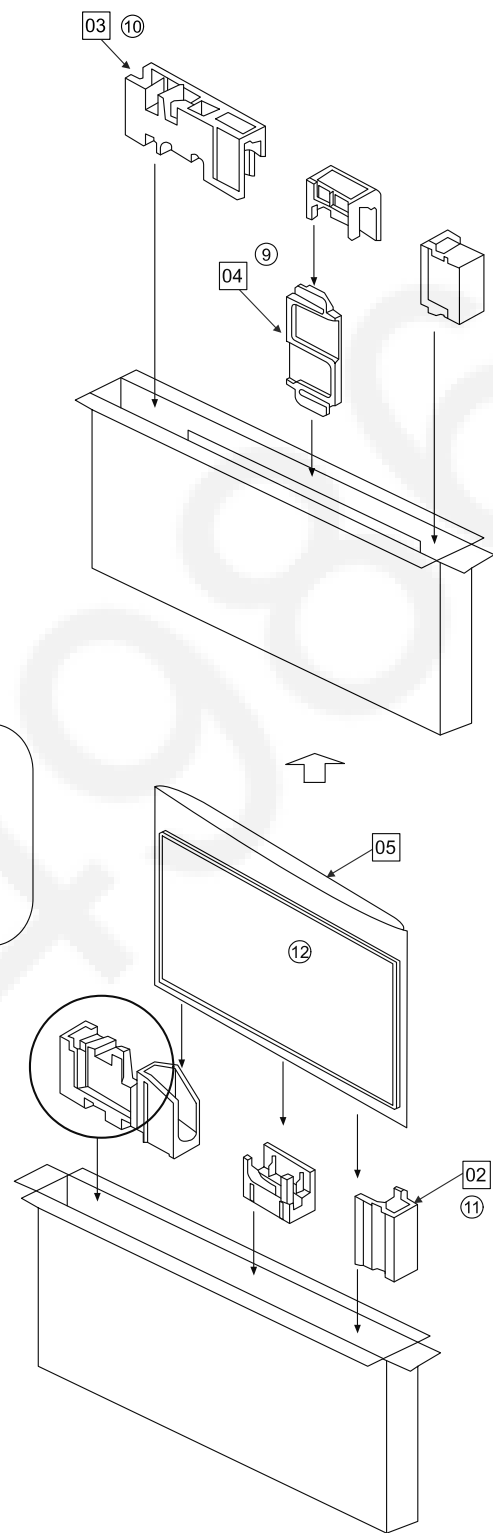
Model No. : TH-43D410R Parts Location



Model No. : TH-43D410R Packing Exploded View 1

- 1. Tapping bottom flap carton.
- 2. Fix bottom cushion into packing case.
- 3. Pack tv set with set cover then insert into packing case.
- 4. Fix all tv accessories and packed pedestal ass'y to cushions.
- 5. Fix center and top cushion.

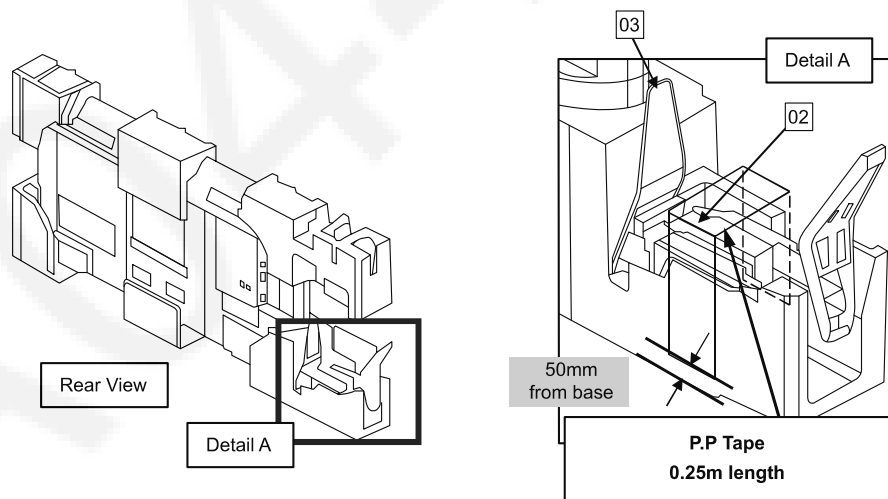
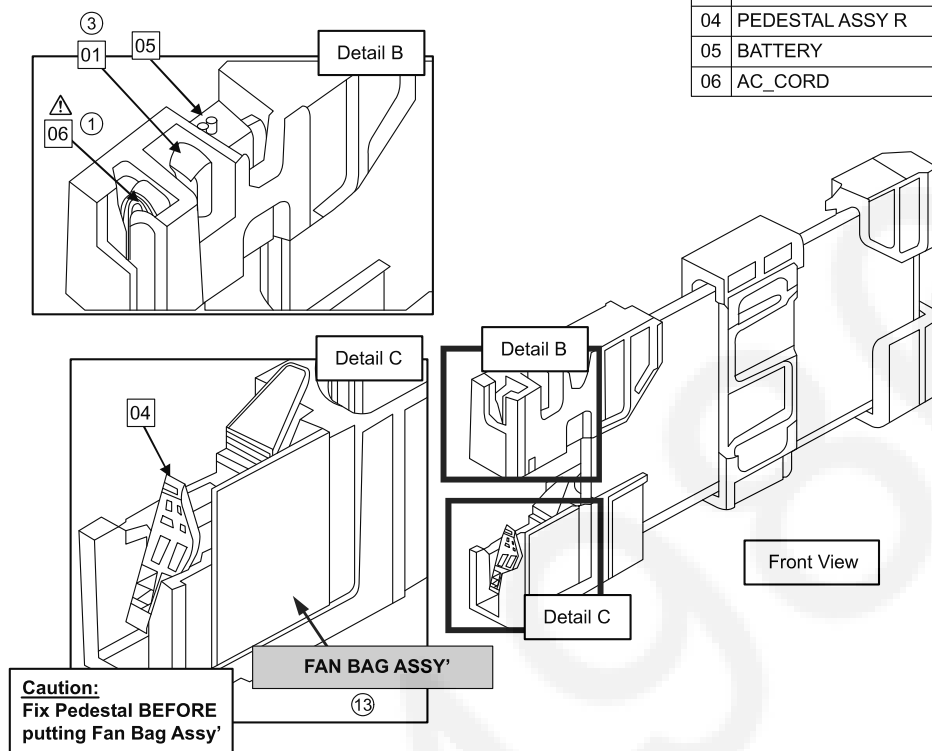
No.	Description	Qty	UOM
01	CARTON	1	PC
02	CUSHION_BOTTOM	1	PC
03	CUSHION_TOP	1	PC
04	CUSHION_FRONT	1	PC
05	SET BAG	1	PC
06	PP_TAPE (BTM1.56)	1.56	MT



Model No. : TH-43D410R Packing Exploded View 2

Locate all accessories follow accordingly.

No.	Description	Qty	UOM
01	REMOTE_TRANSMITTER	1	PC
02	PP TAPE	0.25	MT
03	PEDESTAL ASSY L	1	PC
04	PEDESTAL ASSY R	1	PC
05	BATTERY	1	PC
06	AC_CORD	1	PC



Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
CAPACITORS						
		C1958	FlG1E103A144	C 0.01UF, 25V		
		C2000	FlG1A105A047	C 1UF, 10V		
		C2001	FlG1H102A830	C 1000PF, 50V		
		C2002	FlG1H102A830	C 1000PF, 50V		
		C2003	FlG1H102A830	C 1000PF, 50V		
		C2004	FlG1H102A830	C 1000PF, 50V		
		C2005	FlG1H102A830	C 1000PF, 50V		
		C2010	FlG1H101A948	C 100PF, 50V		
		C2014	FlK1V106A010	C 10UF, 35V		
		C2023	FlG1C104A146	C 0.1UF, 16V		
		C2801	FlH1H103B047	C 0.01UF, 50V		
		C2802	FlH1H103B047	C 0.01UF, 50V		
		C2803	FlH1H103B047	C 0.01UF, 50V		
		C2804	FlH1C104A178	C 0.1UF, 16V		
		C2806	FlH1H103B047	C 0.01UF, 50V		
		C2807	FlJ1A106A043	C 10UF, 10V		
		C2808	FlH1C104A178	C 0.1UF, 16V		
		C2851	FlJ1H104A902	C 0.1UF, 50V		
		C2852	FlJ1H104A902	C 0.1UF, 50V		
		C3084	FlH0J105A051	C 1.0UF, 6.3V		
		C3085	FlH0J105A051	C 1.0UF, 6.3V		
		C3086	FlH0J105A051	C 1.0UF, 6.3V		
		C3139	FlG1H471A946	C 470PF, 50V		
		C3140	FlG1H471A946	C 470PF, 50V		
		C3151	FlH1A1050039	C 1UF, 10V		
		C3152	FlH1A1050039	C 1UF, 10V		
		C4000	FlH1H103B047	C 0.01UF, 50V		
		C4001	FlH1H103B047	C 0.01UF, 50V		
		C4002	FlJ1C475A225	C 4.7UF, 16V		
		C4701	FlH0J105A051	C 1.0UF, 6.3V		
		C4900	FlK1V106A010	C 10UF, 35V		
		C4901	FlK1V106A010	C 10UF, 35V		
		C4902	FlJ1E105A287	C 1UF, 25V		
		C4903	FlK1V106A010	C 10UF, 35V		
		C4904	FlJ1E105A287	C 1UF, 25V		
		C4905	FlH1C105A167	C 1UF, 16V		
		C4906	FlK1V106A010	C 10UF, 35V		
		C4907	FlJ1E105A287	C 1UF, 25V		
		C4908	FlK1V106A010	C 10UF, 35V		
		C4909	FlJ1E105A287	C 1UF, 25V		
		C4919	FlJ1E224A272	C 0.22UF, 25V		
		C4920	FlJ1E224A272	C 0.22UF, 25V		
		C4921	FlH1E104A161	C 0.1UF, 25V		
		C4922	FlH1E104A161	C 0.1UF, 25V		
		C4923	FlH1E104A161	C 0.1UF, 25V		
		C4924	FlH1E104A161	C 0.1UF, 25V		
		C5000	FlG1A105A047	C 1UF, 10V		
		C5002	FlG1A105A047	C 1UF, 10V		
		C5004	FlG1A105A047	C 1UF, 10V		
		C5006	FlJ1E105A287	C 1UF, 25V		
		C5012	FlG1A105A047	C 1UF, 10V		
		C5020	FlG1C104A146	C 0.1UF, 16V		
		C5021	FlG1A105A047	C 1UF, 10V		
		C5022	FlG1C104A146	C 0.1UF, 16V		
		C5026	FlH1E105A153	C 1UF, 25V		
		C5150	FlG1E103A144	C 0.01UF, 25V		
		C5151	FlG1E103A144	C 0.01UF, 25V		
		C5171	FlG1C103A173	C 0.01UF, 16V		
		C5400	FlK1V106A010	C 10UF, 35V		
		C5401	FlK1V106A010	C 10UF, 35V		
		C5402	FlG1C104A146	C 0.1UF, 16V		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C5403	FLJ0J2260004	C 22UF, 6.3V		
		C5404	FLJ0J2260004	C 22UF, 6.3V		
		C5407	FLG1E333A144	C 0.033UF, 25V		
		C5408	FLG1H222A946	C 2200PF, 50V		
		C5420	FLK1V106A010	C 10UF, 35V		
		C5421	FLK1V106A010	C 10UF, 35V		
		C5422	FLG1C104A146	C 0.1UF, 16V		
		C5423	FLJ0J2260004	C 22UF, 6.3V		
		C5424	FLJ0J2260004	C 22UF, 6.3V		
		C5427	FLG1E333A144	C 0.033UF, 25V		
		C5428	FLG1H222A946	C 2200PF, 50V		
		C5500	FLK1V106A010	C 10UF, 35V		
		C5502	FLG1C104A146	C 0.1UF, 16V		
		C5503	FLG1C223A173	C 0.022UF, 16V		
		C5505	FLG1E332A172	C 3300PF, 25V		
		C5507	FLK1V106A010	C 10UF, 35V		
		C5508	FLK1V106A010	C 10UF, 35V		
		C5509	FLK1V106A010	C 10UF, 35V		
		C5717	FLJ1A106A043	C 10UF, 10V		
		C5718	FLJ1A106A043	C 10UF, 10V		
		C6704	FLJ1A106A043	C 10UF, 10V		
		C6707	FLG1C104A146	C 0.1UF, 16V		
		C6708	FLJ1A106A043	C 10UF, 10V		
		C6710	FLG1C104A146	C 0.1UF, 16V		
		C6720	FLG1H220A834	C 22PF, 50V		
		C6721	FLG1H220A834	C 22PF, 50V		
		C6722	FLG1C104A146	C 0.1UF, 16V		
		C6723	FLG1H220A834	C 22PF, 50V		
		C6724	FLG1H220A834	C 22PF, 50V		
		C6736	FLG1H101A948	C 100PF, 50V		
		C6737	FLG1H101A948	C 100PF, 50V		
		C6746	FLG1C104A146	C 0.1UF, 16V		
		C6750	FLG1H331A946	C 330PF, 50V		
		C6751	FLG1H121A834	C 120PF, 50V		
		C6752	FLG1H121A834	C 120PF, 50V		
		C6753	FLG1H5R0A947	C 5PF, 50V		
		C6754	FLG1H5R0A947	C 5PF, 50V		
		C6758	FLG1H181A834	C 180PF, 50V		
		C6759	FLG1H181A834	C 180PF, 50V		
		C6760	FLG1H102A948	C 1000PF, 50V		
		C6762	FLG1H102A948	C 1000PF, 50V		
		C6763	FLG1C104A146	C 0.1UF, 16V		
		C6764	FLG1C104A146	C 0.1UF, 16V		
		C6766	FLG1H102A830	C 1000PF, 50V		
		C6767	FLG1H102A830	C 1000PF, 50V		
		C6768	FLG1H102A830	C 1000PF, 50V		
		C6769	FLG1E103A144	C 0.01UF, 25V		
		C6770	FLG1E103A144	C 0.01UF, 25V		
		C6773	FLG1H102A830	C 1000PF, 50V		
		C6774	FLG1C104A146	C 0.1UF, 16V		
		C6775	FLG1C104A146	C 0.1UF, 16V		
		C6777	FLG0J1050007	C 1.0UF, 6.3V		
		C6778	FLG1C104A146	C 0.1UF, 16V		
		C6799	FLH1H181B052	C 180PF, 50V		
		C6801	FLG0J1050007	C 1.0UF, 6.3V		
		C6802	FLG1E103A144	C 0.01UF, 25V		
		C6807	FLG1E103A144	C 0.01UF, 25V		
		C6824	FLG1H121A834	C 120PF, 50V		
		C6828	FLG1H102A830	C 1000PF, 50V		
	⚠	C7102	FLAAF471A019	C 470PF, 240V		
	⚠	C7103	FLAAF471A019	C 470PF, 240V		
		C7104	FOCAF2240010	C 0.22UF, 250V		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7105	F0CAF2240010	C 0.22UF, 250V		
		C7201	FIH1H102B052	C 1000PF, 50V		
		C7202	FIJ1H222A911	C 2200PF, 50V		
		C7203	FIH1H104B047	C 0.1UF, 50V		
		C7204	FIJ1H104A902	C 0.1UF, 50V		
		C7205	FIJ1H102A909	C 1000PF, 50V		
		C7206	FIJ1E475A257	C 4.7UF, 25V		
		C7207	FIA3A221A078	C 220PF, 1KV		
		C7209	ECWFD2W824KC	C 0.82UF 450V		
		C7213	F2A2W6500001	C 65UF, 450V		
		C7214	FIJ1H103A900	C 0.01UF, 50V		
		C7220	FIJ1H103A900	C 0.01UF, 50V		
		C7221	FIA3A221A078	C 220PF, 1KV		
		C7302	FIJ1H473A900	C 0.047UF, 50V		
		C7303	FIJ1H104A902	C 0.1UF, 50V		
		C7304	FIA3A221A079	C 220PF, 1KV		
		C7305	FIJ1H104A902	C 0.1UF, 50V		
		C7306	FIJ1H104A902	C 0.1UF, 50V		
		C7307	FIJ1H101A906	C 100PF, 50V		
		C7310	F2A1E4710124	C 470PF, 25V		
		C7311	FIJ1H105A919	C 1UF, 50V		
		C7312	FIH1C474A178	C 0.47UF, 16V		
		C7313	FIJ1H102A909	C 1000PF, 50V		
		C7316	FI3A471A098	C 470PF, 1KV		
		C7317	ECWH8223HAC	C 0.022UF, Z, 800V		
		C7318	FIAAF471A019	C 470PF, 240V		
		C7320	FIA3A102A079	C 1000PF, 1KV		
		C7417	FIJ1C474A238	C 0.47UF, 16V		
		C7418	FIH1H104B047	C 0.1UF, 50V		
		C7421	FIH1H104B047	C 0.1UF, 50V		
		C7422	F2AZZ4710003	C 470UF, 240V		
		C7423	F2AZZ2220001	C 2200UF, 240V		
		C7432	FIJ1C475A225	C 4.7UF, 16V		
		C7433	FIK1V106A010	C 10UF, 35V		
		C7434	FIJ1C475A225	C 4.7UF, 16V		
		C7524	FIJ1H104A902	C 0.1UF, 50V		
		C7525	FIJ1H221A906	C 220PF, 50V		
		C7526	FIJ1C475A225	C 4.7UF, 16V		
		C7527	FIK1E106A167	C 10UF, 25V		
		C7529	FIJ1H104A902	C 0.1UF, 50V		
		C7530	FIJ1H104A902	C 0.1UF, 50V		
		C7541	FIK1E106A167	C 10UF, 25V		
		C7543	FIJ1H103A900	C 0.01UF, 50V		
		C7544	FIJ1H103A900	C 0.01UF, 50V		
		C7800	FIJ1H101A906	C 100PF, 50V		
		C7801	FIJ1H103A900	C 0.01UF, 50V		
		C7802	FIJ1H103A900	C 0.01UF, 50V		
		C7803	FIJ1E224A272	C 0.22UF, 25V		
		C7804	FIJ1H103A900	C 0.01UF, 50V		
		C7805	FIJ1H103A900	C 0.01UF, 50V		
		C7806	FIJ1E105A287	C 1UF, 25V		
		C7807	FIJ1E224A272	C 0.22UF, 25V		
		C7809	FIJ1E105A287	C 1UF, 25V		
		C7810	FIJ1E224A272	C 0.22UF, 25V		
		C7812	FIA3A221A079	C 220PF, 1KV		
		C7813	F2A2C470A240	C 47UF, 160V		
		C7814	F2AZZ4710003	C 470UF, 240V		
		C7816	FIA3A221A079	C 220PF, 1KV		
		C7817	F2A2C470A240	C 47UF, 160V		
		C7821	FIJ2E1020002	C 1000PF, 250V		
		C7824	FIJ1E224A272	C 0.22UF, 25V		
		C7827	FIJ1H221A906	C 220PF, 50V		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C7828	FLJ1H221A906	C 220PF, 50V		
		C7829	FLJ2E1020002	C 1000PF, 250V		
		C7832	FLJ1H104A902	C 0.1UF, 50V		
		C7833	FLJ1H104A902	C 0.1UF, 50V		
		C7838	FLJ1E105A287	C 1UF, 25V		
		C8001	FLG1C104A146	C 0.1UF, 16V		
		C8002	FLJ1A106A043	C 10UF, 10V		
		C8006	FLG1C104A146	C 0.1UF, 16V		
		C8010	FLG1C104A146	C 0.1UF, 16V		
		C8012	FLG1C104A146	C 0.1UF, 16V		
		C8013	FLG1C104A146	C 0.1UF, 16V		
		C8014	FLG1A105A047	C 1UF, 10V		
		C8016	FLG1C104A146	C 0.1UF, 16V		
		C8018	FLG1A105A047	C 1UF, 10V		
		C8027	FLG1C104A146	C 0.1UF, 16V		
		C8028	FLG1C104A146	C 0.1UF, 16V		
		C8031	FLJ1A106A043	C 10UF, 10V		
		C8032	FLG1C104A146	C 0.1UF, 16V		
		C8034	FLJ1A106A043	C 10UF, 10V		
		C8037	FLJ1A106A043	C 10UF, 10V		
		C8039	FLG1C104A146	C 0.1UF, 16V		
		C8042	FLG1C104A146	C 0.1UF, 16V		
		C8044	FLG1C104A146	C 0.1UF, 16V		
		C8045	FLG1A105A047	C 1UF, 10V		
		C8052	FLJ0G2260001	C 22UF, 4V		
		C8054	FLG1C104A146	C 0.1UF, 16V		
		C8055	FLG1A105A047	C 1UF, 10V		
		C8057	FLG1C104A146	C 0.1UF, 16V		
		C8059	FLG1C104A146	C 0.1UF, 16V		
		C8068	FLG1C104A146	C 0.1UF, 16V		
		C8071	FLG1C104A146	C 0.1UF, 16V		
		C8072	FLG1C104A146	C 0.1UF, 16V		
		C8073	FLG1A105A047	C 1UF, 10V		
		C8074	FLG1A105A047	C 1UF, 10V		
		C8076	FLH1A1050039	C 1UF, 10V		
		C8100	FLG1E472A172	C 4700PF, 25V		
		C8101	FLH1E105A153	C 1UF, 25V		
		C8102	FLG1C104A146	C 0.1UF, 16V		
		C8103	FLK1V106A010	C 10UF, 35V		
		C8105	FLJ0G2260001	C 22UF, 4V		
		C8108	FLG1H471A946	C 470PF, 50V		
		C8109	FLK1V106A010	C 10UF, 35V		
		C8111	FLG1C104A146	C 0.1UF, 16V		
		C8112	FLG1C473A173	C 0.047UF, 16V		
		C8114	FLG1E332A172	C 3300PF, 25V		
		C8116	FLJ0G2260001	C 22UF, 4V		
		C8117	FLJ0G2260001	C 22UF, 4V		
		C8203	FLG1C104A146	C 0.1UF, 16V		
		C8204	FLG1C104A146	C 0.1UF, 16V		
		C8205	FLG1C104A146	C 0.1UF, 16V		
		C8206	FLG1C104A146	C 0.1UF, 16V		
		C8207	FLJ1A106A043	C 10UF, 10V		
		C8208	FLG1C104A146	C 0.1UF, 16V		
		C8210	FLG1C104A146	C 0.1UF, 16V		
		C8212	FLG1C104A146	C 0.1UF, 16V		
		C8214	FLG1C104A146	C 0.1UF, 16V		
		C8216	FLJ1A106A043	C 10UF, 10V		
		C8218	FLG1C104A146	C 0.1UF, 16V		
		C8220	FLG1C104A146	C 0.1UF, 16V		
		C8221	FLG1C104A146	C 0.1UF, 16V		
		C8224	FLG1C104A146	C 0.1UF, 16V		
		C8229	FLG1A105A047	C 1UF, 10V		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C8230	FlG1C104A146	C 0.1UF, 16V		
		C8231	FlG1C104A146	C 0.1UF, 16V		
		C8232	FlG1C104A146	C 0.1UF, 16V		
		C8300	FlG1H100A948	C 10PF, 50V		
		C8301	FlG1H120A948	C 12PF, 50V		
		C8307	FlG1A105A047	C 1UF, 10V		
		C8308	FlG1A105A047	C 1UF, 10V		
		C8312	FlG1A105A047	C 1UF, 10V		
		C8313	FlG1A105A047	C 1UF, 10V		
		C8314	FlG1A105A047	C 1UF, 10V		
		C8315	FlG1A105A047	C 1UF, 10V		
		C8461	FlJ1A106A043	C 10UF, 10V		
		C8463	FlG1C104A146	C 0.1UF, 16V		
		C8467	FlJ1A106A043	C 10UF, 10V		
		C8470	FlG1C104A146	C 0.1UF, 16V		
		C8700	FlH1A1050039	C 1UF, 10V		
		C8850	FlG1E103A144	C 0.01UF, 25V		
		C8900	FlG1C104A146	C 0.1UF, 16V		
		C8901	FlG1C104A146	C 0.1UF, 16V		
		C8903	FlG1A105A047	C 1UF, 10V		
		C8905	FlG1C104A146	C 0.1UF, 16V		
DIODES						
		D2001	DZ2J047M0L	DIODE		
		D2004	DZ2J047M0L	DIODE		
		D2006	DZ2J047M0L	DIODE		
		D2007	DZ2J047M0L	DIODE		
		D2008	DZ2J056M0L	DIODE		
		D2009	DZ2J047M0L	DIODE		
		D2800	DZ2J056M0L	DIODE		
		D2802	B3AGB0000083	LED		
		D2851	DZ2J068M0L	DIODE		
		D2852	DZ2J068M0L	DIODE		
		D3006	K7AAAY000016	DIODE		
		D3101	DZ2J140M0L	DIODE		
		D3102	DZ2J140M0L	DIODE		
		D3103	DZ2J140M0L	DIODE		
		D3104	DZ2J140M0L	DIODE		
		D3105	DZ2J140M0L	DIODE		
		D3106	DZ2J140M0L	DIODE		
		D4704	B0JCED000012	DIODE		
		D4785	B0JCED000012	DIODE		
		D5172	DZ2J220M0L	DIODE		
		D5173	DA2J10100L	DIODE		
		D5178	DZ2J068M0L	DIODE		
		D5179	B0ADCK000001	DIODE		
		D5180	DZ2J033M0L	DIODE		
		D5187	DZ2J047M0L	DIODE		
		D5191	B0ADCK000001	DIODE		
		D5192	B0ADCK000001	DIODE		
		D6750	J0ZZB0000175	DIODE		
		D6752	B0ZBZ0000226	DIODE		
		D7101	D4EAY621A168	DIODE		
		D7104	B0EAKR000184	DIODE		
		D7105	B0EAKR000184	DIODE		
		D7106	B0EBNT000028	DIODE		
		D7211	B0JCMG000043	DIODE		
		D7215	B0HAPR000013	DIODE		
		D7221	B0ACCD000008	DIODE		
		D7301	DZ2J039M0L	DIODE		
		D7302	B0HAGQ000001	DIODE		
		D7303	DZ2J039M0L	DIODE		
		D7304	B0HAGQ000001	DIODE		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		D7305	B0ADCK000001	DIODE		
		D7306	B0BC02700041	DIODE		
		D7307	B0BC02700041	DIODE		
		D7308	B0BC02700041	DIODE		
		D7309	B0JCMG000043	DIODE		
		D7310	B0JCMG000043	DIODE		
		D7311	B0BC02700041	DIODE		
		D7401	B0JBSL000046	DIODE		
		D7402	B0JBSL000046	DIODE		
		D7404	DA2J10100L	DIODE		
		D7405	DA2J10100L	DIODE		
		D7408	B0JDSG000009	DIODE		
		D7409	B0JDSG000009	DIODE		
		D7411	DA2J10100L	DIODE		
		D7503	B0JCPE000051	DIODE		
		D7800	B0FCAM000004	DIODE		
		D7801	B0ECKM000053	DIODE		
		D7802	B0BC01500025	DIODE		
		D7803	B0ECKM000053	DIODE		
		D7804	DZ2J360M0L	DIODE		
		D7805	B0ACCD000008	DIODE		
		D7806	B0BC01500025	DIODE		
		D7807	B0FCAM000004	DIODE		
		D7808	DA2J10100L	DIODE		
		D7809	DA2J10100L	DIODE		
		D7810	B0ACCD000008	DIODE		
		D7811	DZ2J360M0L	DIODE		
		D7812	DA2J10100L	DIODE		
		D8000	DA2J10100L	DIODE		
		D8850	B0JCED000012	DIODE		
INTEDGRATED CIRCUITS						
		IC4900	C1AB00003984	IC		
		IC5000	AN34043AAVF	IC		
		IC5400	C0DBAYY02432	IC		
		IC5420	C0DBAYY02432	IC		
		IC5500	C0DBAYY02430	IC		
		IC5704	C0DBEYY00102	IC		
		IC6750	C1AB00004172	IC		
		IC6751	C1AB00004174	IC		
		IC7201	C0DBBY000058	IC		
		IC7301	C0DBAYY01329	IC		
		IC7401	C0DBZYY00545	IC		
		IC7503	C0DBAYY01915	IC		
		IC7800	C0ZBZ0002179	IC		
		IC8000	MN2WS0275PBS	IC		
		IC8001	C0DBGYY00887	IC		
		IC8100	C0DBAYY02431	IC		
		IC8101	C0DBAYY02430	IC		
		IC8200	C3ABTY000128	IC		
		IC8201	C3ABTY000128	IC		
		IC8454	C0DBZYY00723	IC		
		IC8900	TVR4G331-AA	V4.800_0003		
		IC8901	C3EBGY000056	IC		
COILS						
		L2300	J0JYC0000464	BEAD CORE		
		L3113	J0JYC0000156	INDUCTOR		
		L3116	J0JYC0000156	INDUCTOR		
		L4901	G1C220MA0889	INDUCTOR		
		L4902	G1C220MA0889	INDUCTOR		
		L4903	G1C220MA0889	INDUCTOR		
		L4904	G1C220MA0889	INDUCTOR		
		L5400	G1C4R7ZA0240	INDUCTOR		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		L5420	G1C6R8MA0426	COIL		
		L5500	G1C220MA0445	INDUCTOR		
		L6704	J0JYC0000464	BEAD CORE		
		L6706	J0JYC0000464	BEAD CORE		
		L6761	J0JYC0000464	BEAD CORE		
		L6762	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		
		L6781	J0JYC0000464	BEAD CORE		
		L7201	J0JYB0000044	COIL		
		L7207	J0JYC0000344	COIL		
		L7303	J0JYB0000044	COIL		
		L7502	G0C270MA0049	INDUCTOR		
		L7801	J0JHC0000075	BEAD CORE		
		L7805	J0JYA0000035	BEAD CORE		
		L7808	J0JHC0000075	BEAD CORE		
		L7812	J0JYA0000035	BEAD CORE		
		L7813	G0C660Z00002	CHOKE COIL		
		L7814	G0C660Z00002	CHOKE COIL		
		L8001	J0JCC0000287	BEAD CORE		
		L8009	J0JYC0000464	BEAD CORE		
		L8013	J0JYC0000464	BEAD CORE		
		L8014	J0JCC0000287	BEAD CORE		
		L8100	G1C2R2ZA0311	INDUCTOR		
		L8101	G1C3R3MA0464	INDUCTOR		
		L8461	J0JYC0000464	BEAD CORE		
TRANSISTORS						
		Q2012	B1ABCE000015	TRANSISTOR		
		Q2013	B1ABCE000015	TRANSISTOR		
		Q4702	B1ABCF000231	TRANSISTOR		
		Q4709	B1ABCF000231	TRANSISTOR		
		Q4981	B1ABCE000015	TRANSISTOR		
		Q7201	B1CERR000144	TRANSISTOR		
		Q7202	B1ADCE000022	TRANSISTOR		
		Q7301	B1CFRR000039	TRANSISTOR		
		Q7302	B1CFRR000039	TRANSISTOR		
		Q7303	B1ADCE000022	TRANSISTOR		
		Q7401	B1ABCF000231	TRANSISTOR		
		Q7402	B1CFRG000069	TRANSISTOR		
		Q7403	B1CHRE000035	TRANSISTOR		
		Q7405	B1CFRG000069	TRANSISTOR		
		Q7800	B1CBHG000002	TRANSISTOR		
		Q7801	B1CERM000055	TRANSISTOR		
		Q7802	B1CFML000007	TRANSISTOR		
		Q7803	B1CFML000007	TRANSISTOR		
		Q7804	B1CERM000055	TRANSISTOR		
		Q7805	B1CBHG000002	TRANSISTOR		
		Q7810	B1ABCN000007	TRANSISTOR		
		Q7811	B1ABCN000007	TRANSISTOR		
RESISTORS						
		R0904	DOGA473JA039	M 47K OHM, J, 1/16W		
		R0905	DOGA101JA039	M 100 OHM, J, 1/16W		
		R0906	DOGA101JA039	M 100 OHM, J, 1/16W		
		R0907	DOGA101JA039	M 100 OHM, J, 1/16W		
		R0908	DOGA101JA039	M 100 OHM, J, 1/16W		
		R0909	DOGA101JA039	M 100 OHM, J, 1/16W		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R0910	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0911	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0912	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0913	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0932	D0GA220JA039	M 22 OHM, J, 1/16W		
		R0933	D0GA220JA039	M 22 OHM, J, 1/16W		
		R0936	D0GA220JA039	M 22 OHM, J, 1/16W		
		R0937	D0GA220JA039	M 22 OHM, J, 1/16W		
		R0938	D0GA101JA039	M 100 OHM, J, 1/16W		
		R0939	D0GA101JA039	M 100 OHM, J, 1/16W		
		R0940	D0GA101JA039	M 100 OHM, J, 1/16W		
		R0945	D0GA101JA039	M 100 OHM, J, 1/16W		
		R0946	D0GA101JA039	M 100 OHM, J, 1/16W		
		R0947	D0GA101JA039	M 100 OHM, J, 1/16W		
		R0948	D0GA101JA039	M 100 OHM, J, 1/16W		
		R0950	D0GA101JA039	M 100 OHM, J, 1/16W		
		R0951	D0GA101JA039	M 100 OHM, J, 1/16W		
		R0954	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0955	D0GA272JA039	M 2.7K OHM, J, 1/16W		
		R0956	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0957	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R0961	D0GA220JA039	M 22 OHM, J, 1/16W		
		R0962	D0GA220JA039	M 22 OHM, J, 1/16W		
		R1951	D0GA680JA039	M 68 OHM, J, 1/16W		
		R1953	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2000	D0GA134JA039	M 130K OHM, J, 1/16W		
		R2003	D0GAR00JA039	M 0 OHM, 1/16W		
		R2008	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2013	D0GA101JA039	M 100 OHM, J, 1/16W		
		R2014	D0GA101JA039	M 100 OHM, J, 1/16W		
		R2016	D0GA302JA039	M 3K OHM, J, 1/16W		
		R2017	D0GAR00JA039	M 0 OHM, 1/16W		
		R2018	D0GAR00JA039	M 0 OHM, 1/16W		
		R2051	D0GA101JA039	M 100 OHM, J, 1/16W		
		R2056	D0GAR00JA039	M 0 OHM, 1/16W		
		R2058	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2059	D0GA103JA039	M 10K OHM, J, 1/16W		
		R2060	D0GA473JA039	M 47K OHM, J, 1/16W		
		R2061	D0GA223JA039	M 22K OHM, J, 1/16W		
		R2062	D0GA101JA039	M 100 OHM, J, 1/16W		
		R2067	D0GA101JA039	M 100 OHM, J, 1/16W		
		R2800	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R2810	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R2820	D0GB470JA065	M 47 OHM, J, 1/10W		
		R2821	D0GBR00J0004	M 0 OHM, J, 1/10W		
		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		
		R3117	D0GA102JA039	M 1K OHM, J, 1/16W		
		R3118	D0GA473JA039	M 47K OHM, J, 1/16W		
		R3157	D1H82204A042	M 22 OHM, J, 1/16W		
		R3167	D0GA333JA039	M 33K OHM, J, 1/16W		
		R3168	D0GA333JA039	M 33K OHM, J, 1/16W		
		R3173	D1BB1003A073	M 100K OHM, F, 1/10W		
		R3181	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3182	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3183	D1BD75R0A066	M 75 OHM, F, 1/8W		
		R3188	D1BB1003A073	M 100K OHM, F, 1/10W		
		R3201	D0GA101JA039	M 100 OHM, J, 1/16W		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R4091	D0GA101JA039	M 100 OHM, J, 1/16W		
		R4133	D0GAR00JA039	M 0 OHM, 1/16W		
		R4138	D0GAR00JA039	M 0 OHM, 1/16W		
		R4139	D0GAR00JA039	M 0 OHM, 1/16W		
		R4159	D0GAR00JA039	M 0 OHM, 1/16W		
		R4715	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4721	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4722	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4723	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4724	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4725	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4731	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4739	D0GA220JA039	M 22 OHM, J, 1/16W		
		R4748	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4749	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4750	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4751	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4752	D1BA1600A023	M 160 OHM, F, 1/16W		
		R4753	D1BA82R0A023	M 82 OHM, F, 1/16W		
		R4764	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4766	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4788	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4794	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4795	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4796	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4797	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4798	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4799	D0GA273JA039	M 27K OHM, J, 1/16W		
		R4800	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4801	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4803	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4807	D0GAR00JA039	M 0 OHM, 1/16W		
		R4809	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4900	D0GFR00J0005	M 0 OHM, J, 1/3W		
		R4906	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4907	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4908	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4917	D0GAR00JA039	M 0 OHM, 1/16W		
		R4918	D0GAR00JA039	M 0 OHM, 1/16W		
		R4919	D0GAR00JA039	M 0 OHM, 1/16W		
		R4955	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4956	D0GA102JA039	M 1K OHM, J, 1/16W		
		R4958	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4981	D0GA103JA039	M 10K OHM, J, 1/16W		
		R4982	D0GA473JA039	M 47K OHM, J, 1/16W		
		R4984	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4985	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4986	D0GA680JA039	M 68 OHM, J, 1/16W		
		R4987	D0GA680JA039	M 68 OHM, J, 1/16W		
		R5002	D0GA683JA039	M 68K OHM, J, 1/16W		
		R5003	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5006	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5007	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5009	D1BA5602A023	M 56K OHM, F, 1/16W		
		R5012	D1BA2202A023	M 22K OHM, F, 1/16W		
		R5030	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5031	D0GAR00JA039	M 0 OHM, 1/16W		
		R5032	D0GAR00JA039	M 0 OHM, 1/16W		
		R5100	D0GA101JA039	M 100 OHM, J, 1/16W		
		R5101	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5102	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5104	D0GA103JA039	M 10K OHM, J, 1/16W		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R5152	D0GA222JA039	M 2.2K OHM, J, 1/16W		
		R5175	D0GA680JA039	M 68 OHM, J, 1/16W		
		R5181	D0GA103JA039	M 10K OHM, J, 1/16W		
		R5200	D0GBR00J0004	M 0 OHM, J, 1/10W		
		R5401	D1BA2202A023	M 22K OHM, F, 1/16W		
		R5402	D1BB9100A073	M 910 OHM, J, 1/10W		
		R5403	D1BB2871A073	M 2.87K OHM, J, 1/10W		
		R5421	D1BA3302A023	M 33K OHM, F, 1/16W		
		R5422	D1BB9100A073	M 910 OHM, J, 1/10W		
		R5423	D1BB4871A073	M 4.87K OHM, J, 1/10W		
		R5500	D1BA4702A023	M 47K OHM, F, 1/16W		
		R5501	D1BA3601A023	M 3.6K OHM, F, 1/16W		
		R5502	D1BA5102A023	M 51K OHM, F, 1/16W		
		R5507	D0GA473JA039	M 47K OHM, J, 1/16W		
		R5731	D1BA1200A023	M 120 OHM, F, 1/16W		
		R5732	D1BA56R0A023	M 56 OHM, F, 1/16W		
		R6728	D0GAR00JA039	M 0 OHM, 1/16W		
		R6729	D0GAR00JA039	M 0 OHM, 1/16W		
		R6734	D1BA1002A023	M 10K OHM, F, 1/16W		
		R6750	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6751	D0GA103JA039	M 10K OHM, J, 1/16W		
		R6753	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6757	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6758	D0GA101JA039	M 100 OHM, J, 1/16W		
		R6759	D0GA102JA039	M 1K OHM, J, 1/16W		
		R6760	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R6762	D0GA331JA039	M 330 OHM, J, 1/16W		
		R6763	D0GA240JA039	M 24 OHM, J, 1/16W		
		R6764	D0GA681JA039	M 680 OHM, J, 1/16W		
		R6765	D0GA681JA039	M 680 OHM, J, 1/16W		
		R6766	D0GA102JA039	M 1K 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		
		R7203	D0GD563JA052	M 56K OHM, J, 1/8W		
		R7204	D0GF101JA047	M 100 OHM, J, 1/4W		
		R7205	D0GD470JA052	M 47 OHM, J, 1/8W		
		R7206	D0GD4R7JA059	M 4.7 OHM, J, 1/4W		
		R7207	D0GB104JA065	M 100K OHM, J, 1/10W		
		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		
		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		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7244	D0GD124JA052	M 120K OHM, J, 1/8W		
		R7302	D0GD101JA059	M 100 OHM, J, 1/8W		
		R7303	D0GD101JA059	M 100 OHM, J, 1/8W		
		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	D0AF153JA112	M 15K OHM, J, 1/2W		
		R7314	D0GD103JA052	M 10K 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	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7322	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7323	D0GD223JA052	M 22K OHM, J, 1/8W		
		R7324	D0GD223JA052	M 22K OHM, J, 1/8W		
		R7325	ERX1SJ1R0V	M 1.0 OHM, J, 1W		
		R7383	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7397	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7401	D0GD472JA052	M 4.7K OHM, J, 1/8W		
		R7402	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7403	D0GD102JA052	M 1K OHM, J, 1/8W		
		R7404	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7405	D0GD222JA052	M 2.2K 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	D0GD153JA052	M 15K OHM, J, 1/8W		
		R7411	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7412	D0GD153JA052	M 15K OHM, J, 1/8W		
		R7413	D1BD7503A066	M 750K OHM, F, 1/8W		
		R7415	D0GD472JA052	M 4.7K OHM, J, 1/8W		
		R7416	D0GD103JA052	M 10K OHM, J, 1/8W		
		R7417	D0GD103JA052	M 10K 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	D0GD334JA052	M 330K OHM, J, 1/8W		
		R7427	D0GDR00J0004	M 0 OHM, J, 1/8W		
		R7533	D1BD7872A066	M 78.7K OHM, F, 1/8W		
		R7534	D1BD1432A066	M 14.3K OHM, F, 1/8W		
		R7535	D0GD514JA052	M 510K OHM, J, 1/8W		
		R7536	D0GD100JA052	M 10 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	D1BD1803A076	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		
		R7817	D0GD104JA052	M 100K OHM, J, 1/8W		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R7818	D0GD152ZA034	M 1.5K OHM, Z, 1/8W		
		R7820	D0GD470JA059	M 47 OHM, J, 1/4W		
		R7821	D0GD101JA052	M 100 OHM, J, 1/8W		
		R7823	D0GD152JA052	M 1.5K OHM, J, 1/8W		
		R7824	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7825	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7826	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7827	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7828	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7829	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7830	D0GD472JA052	M 4.7K OHM, J, 1/8W		
		R7831	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7832	D0GD470JA059	M 47 OHM, J, 1/4W		
		R7834	D0GD101JA052	M 100 OHM, J, 1/8W		
		R7836	D0GD100JA059	M 10 OHM, J, 1/4W		
		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	D0GD100JA059	M 10 OHM, J, 1/4W		
		R7844	D0GD473JA052	M 47K OHM, J, 1/8W		
		R7845	D0C1R33JA104	M 0.33 OHM, J, 2W		
		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	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7852	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7853	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7854	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7855	D1BD12R0A066	M 12 OHM, F, 1/8W		
		R7857	D0GD104JA052	M 100K OHM, J, 1/8W		
		R7862	D1BD4701A066	M 4.7K OHM, F, 1/8W		
		R7863	D0GD152ZA034	M 1.5K OHM, Z, 1/8W		
		R7866	D1BD2003A066	M 200K OHM, F, 1/8W		
		R7867	D1BD1803A076	M 180K OHM, F, 1/8W		
		R7868	D0GD222JA052	M 2.2K OHM, J, 1/8W		
		R7869	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		
		R7873	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7874	D0GF473JA048	M 47K OHM, J, 1/4W		
		R7875	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7876	D0GF473JA048	M 47K OHM, J, 1/4W		
		R7877	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7878	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7879	D0GF242JA048	M 2400 OHM, J, 1/4W		
		R7880	D0GF242JA048	M 2400 OHM, J, 1/4W		
		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	D0GDIR0JA052	M 1.0 OHM, J, 1/8W		
		R7895	D1BD18R0A066	M 18 OHM, F, 1/8W		
		R7897	D1BD18R0A066	M 18 OHM, F, 1/8W		
		R7899	D0GD101JA052	M 100 OHM, J, 1/8W		
		R8005	D0GA1R1JA039	M 1.1 OHM, J, 1/16W		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8010	D0GA511JA039	M 510 OHM, J, 1/16W		
		R8011	D0GA104JA039	M 100K OHM, J, 1/16W		
		R8102	D1BA4701A023	M 4.7K OHM, F, 1/16W		
		R8103	D1BA2002A023	M 20K OHM, F, 1/16W		
		R8104	D1BA1802A023	M 18K OHM, F, 1/16W		
		R8200	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8203	D1BA2700A023	M 270 OHM, F, 1/16W		
		R8204	D1BA2700A023	M 270 OHM, F, 1/16W		
		R8205	D1BA2700A023	M 270 OHM, F, 1/16W		
		R8206	D1BA2700A023	M 270 OHM, F, 1/16W		
		R8207	D1BA2700A023	M 270 OHM, F, 1/16W		
		R8208	D1BA2700A023	M 270 OHM, F, 1/16W		
		R8217	D0GA221JA039	M 220 OHM, J, 1/16W		
		R8218	D0GA221JA039	M 220 OHM, J, 1/16W		
		R8219	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8220	D1BA2400A023	M 240 OHM, F, 1/16W		
		R8221	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8230	D1BA2700A023	M 270 OHM, F, 1/16W		
		R8231	D1BA2700A023	M 270 OHM, F, 1/16W		
		R8232	D1BA2700A023	M 270 OHM, F, 1/16W		
		R8233	D1BA2700A023	M 270 OHM, F, 1/16W		
		R8234	D0GA330JA039	M 33 OHM, J, 1/16W		
		R8236	D0GA330JA039	M 33 OHM, J, 1/16W		
		R8240	D1H83304A042	M 33 OHM, J, 1/16W		
		R8241	D1H83304A042	M 33 OHM, J, 1/16W		
		R8242	D1H83304A042	M 33 OHM, J, 1/16W		
		R8243	D1H83304A042	M 33 OHM, J, 1/16W		
		R8244	D1H83304A042	M 33 OHM, J, 1/16W		
		R8245	D0GA330JA039	M 33 OHM, J, 1/16W		
		R8246	D0GA330JA039	M 33 OHM, J, 1/16W		
		R8300	D0GA331JA039	M 330 OHM, J, 1/16W		
		R8301	D0GA360JA039	M 36 OHM, J, 1/16W		
		R8302	D0GA360JA039	M 36 OHM, J, 1/16W		
		R8303	D1BA6201A023	M 6.2K OHM, F, 1/16W		
		R8305	D1BA2491A023	M 2.49K OHM, F, 1/16W		
		R8306	D0GA360JA039	M 36 OHM, J, 1/16W		
		R8307	D0GA360JA039	M 36 OHM, J, 1/16W		
		R8450	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8451	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8454	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8455	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8458	D1BA1652A023	M 16.5K OHM, F, 1/16W		
		R8469	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8666	D1HY1038A012	M 10K OHM, J, 1/16W		
		R8800	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8803	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8816	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8818	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8819	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8820	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8830	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8850	D0GA331JA039	M 330 OHM, J, 1/16W		
		R8851	D1BB7151A073	M 7.15K OHM, J, 1/10W		
		R8852	D0GA102JA039	M 1K OHM, J, 1/16W		
		R8853	D0GA182JA039	M 1.8K OHM, J, 1/16W		
		R8858	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8870	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8878	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8884	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8885	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8886	D0GA102JA039	M 1K OHM, J, 1/16W		
		R8903	D0GA472JA039	M 4.7K OHM, J, 1/16W		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R8906	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8909	D0GA222JA039	M 2.2K OHM, J, 1/16W		
		R8910	D0GA103JA039	M 10K OHM, J, 1/16W		
		R8911	D1HY1218A012	M 120 OHM, J, 1/16W		
		R8914	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8915	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8916	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8917	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8918	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8919	D0GA680JA039	M 68 OHM, J, 1/16W		
		R8924	D0GA102JA039	M 1K OHM, J, 1/16W		
		R8926	D0GA332JA039	M 3.3K OHM, J, 1/16W		
		R8967	D0GA473JA039	M 47K OHM, J, 1/16W		
		R959	D0GA220JA039	M 22 OHM, J, 1/16W		
		R960	D0GA220JA039	M 22 OHM, J, 1/16W		
TRANSFORMERS						
		T7202	G4DYA0000496	TRANSFORMER		
		T7301	G4DYA0000687	TRANSFORMER		
OTHERS						
		A02	K1KY14BA0484	CONNECTOR		
		A11	K1KY07BA0483	CONNECTOR		
		A12	K1KY04BA0387	CONNECTOR		
		A19	K1MY51BA0526	CONNECTOR		
		CF7101	D4CAY4R7A096	THERMISTORS RESISTOR		
		F7101	K5E502YYA213	FUSE		
		GK4	K1KY03BA0402	CONNECTOR		
		JA1	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA10	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA11	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA13	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA14	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA16	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA17	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JA2	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA3	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA4	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JA5	D0GDR00J0004	M 0 OHM, J, 1/8W		
		JK3101	K1U511D00002	AV TERMINAL		
		JK4700	K1FY119D00029	TERMINAL		
		JK4701	K1FY119D00029	TERMINAL		
		JK6753	K1ZZ00001557	TUNER SHIELD		
		JK7101	K2AAYB000010	AC INLET		
		JK8451	K1FY104B00092	TERMINAL		
		JS0053	D0GAR00JA039	M 0 OHM, 1/16W		
		JS0055	D0GAR00JA039	M 0 OHM, 1/16W		
		JS7406	D0GFR00J0005	M 0 OHM, J, 1/3W		
		JS7501	D0GDR00J0004	M 0 OHM, J, 1/8W		
		K10	K1KY07BA0483	CONNECTOR		
		LD1	K1KY09BA0402	CONNECTOR		
		LD2	K1KY07BA0385	CONNECTOR		
		LF7103	G0B183GA0082	LINE FILTER		
		LF7104	G0B183GA0082	LINE FILTER		
		LF7105	G0B350GA0083	LINE FILTER		
		P2	K1KY14BA0491	CONNECTOR		
		P4	K1KY09BA0402	CONNECTOR		
		P5	K1KY03BA0402	CONNECTOR		
		PC7301	B3PAA0000704	PHOTO COUPLERS		
		PC7302	B3PAA0000704	PHOTO COUPLERS		
		PC7303	B3PAA0000704	PHOTO COUPLERS		
		RM2,800	B3RBB0000018	PHOTO DETECTOR		
		SN2800	B3JB000000223	PHOTO DETECTOR		
		SW2851	EVQ11G05R	SWITCH		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		SW2852	EVQ11G05R	SWITCH		
		SW2853	EVQ11G05R	SWITCH		
		SW2854	EVQ11G05R	SWITCH		
		SW2855	EVQ11G05R	SWITCH		
		SW2857	EVQ11G05R	SWITCH		
		X6750	H0J240500067	CRYSTAL OSCILLATOR		
		X8300	H0J250500109	CRYSTAL RESONATOR		
		ZA7101	K4AD01A00004	RUG TERMINAL		
		ZA7102	K4AD01A00004	RUG TERMINAL		
		ZA7105	K4AD01A00004	RUG TERMINAL		
		ZA7801	K4AD01A00004	RUG TERMINAL		

Model No. : TH-43D410R Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
Exploded View						
		1	K2CQ2YY00122	AC CORD		
		2	LOEYAA000068	SPEAKER UNIT		
		3	N2QAYB000818	REMOTE TRANSMITTER		
		4	TBM4GD7259	MODEL NAME PLATE		
		5	TBX5ZA03301A	KEY BUTTON BRACKET		
		6	TKK5ZC50501A	LED PANEL		
		7	TKP5ZA32202	SIDE AV BRACKET		
		8	TPC4GA41306	CARTON		
		9	TPD4GA05131	CUSHION_FRONT		
		10	TPD4GA07731	CUSHION_TOP		
		11	TPD4GA07741	CUSHION_BOTTOM		
		12	TPE4GH015-1	SET BAG		
		13	TQB4GC1612-1	OPERATING MANUAL (ENGLISH)		
			TQB4GC1613-1	OPERATING MANUAL (ARABIC)		
			TQB4GC1614-1	OPERATING MANUAL (PERSIAN)		
		14	TSCKF0170194	LVDS CABLE		
			TXJ/P4WLUK	P4-LD		
			TXJ/P5WLUK	P5-GK		
			TXJA02WLUK	A02-P2		
			TXJA10WLUK	A10-K10		
			TXJA12WLUK	A12-SP(L.R)		
		15	TZBL4GX00291	PEDESTAL ASSY L		
		16	TZBL4GX00301	PEDESTAL ASSY R		
		17	TZLPI52KHAP	ASSY 43 IN-HOUSE PANEL		
		18	TZTU4GA1795	BACK COVER COMPLETE ASSY		
Electrical Replacement Part List						
		RTL	TZT/A1DLVR	A PRINT(FINISHED)		
		RTL	TZRNP11WLUK	SKD PACKAGING ASSEMBLIES P PRINT		
		RTL	TXN/K1WLUK	K PRINT(FINISHED)		
		RTL	TXNLD1WKUK	SKD PACKAGING ASSEMBLIES(PAVCV)		