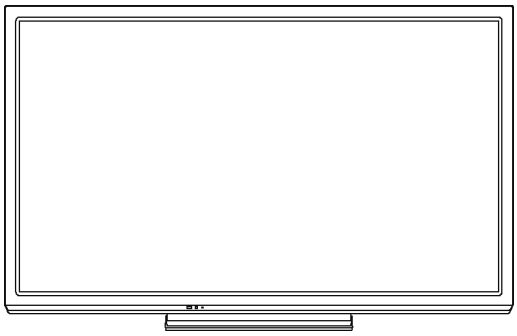
ORDER NO.PAVCTH1203008CE

Service Manual

Plasma Television



Model No. TH-P50X50D
TH-P50X50G
TH-P50X50K
TH-P50X50M
TH-P50X50P
TH-P50X50S
TH-P50X50V
TH-P50X50Z

GPF15D-A Chassis

⚠ WARNING

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

IMPORTANT SAFETY NOTICE

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

Panasonic®

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1 Safety Precautions

1.1. General Guidelines

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

1.2. Touch-Current Check

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

   For a. c.: U_1 = 35 V (peak) and U_2 = 0.35 V (peak);

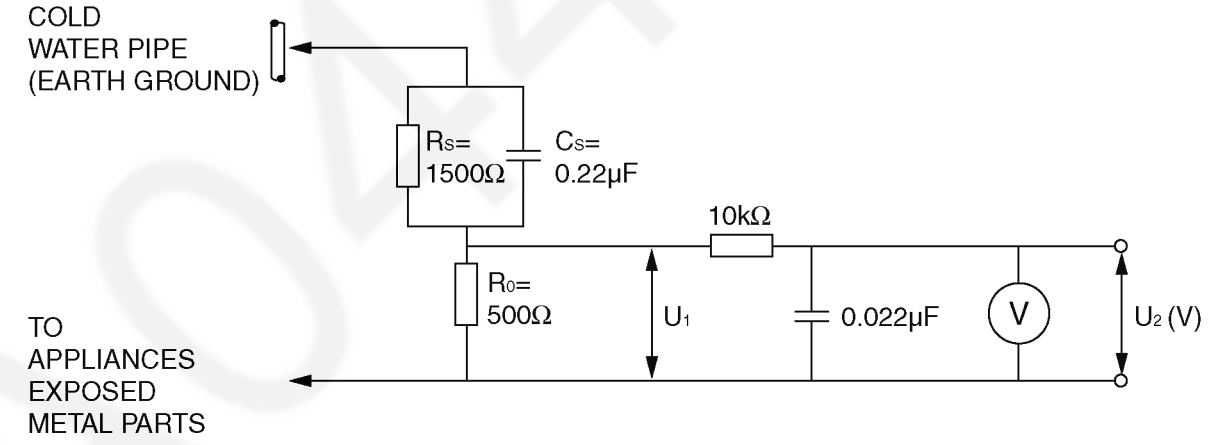
   For d. c.: U_1 = 1.0 V,

   Note:

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

   The limit value U_1 = 35 V (peak) for a. c. correspond to the value 70 mA (peak) a. c. for frequencies greater than 100 kHz.
7. In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

Measuring network for TOUCH CURRENTS



Resistance values in ohms (Ω)

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

Input resistance: ≥ 1 MΩ
Input capacitance: ≤ 200 pF
Frequency range: 15 Hz to 1 MHz and d.c. respectively

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

Figure 1

2 Warning

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

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

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as [anti-static (ESD protected)] can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   Caution
   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise ham less motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

2.2. About lead free solder (PbF)

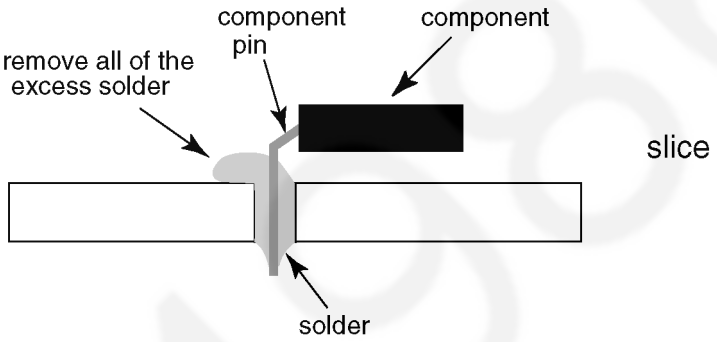
Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although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

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

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

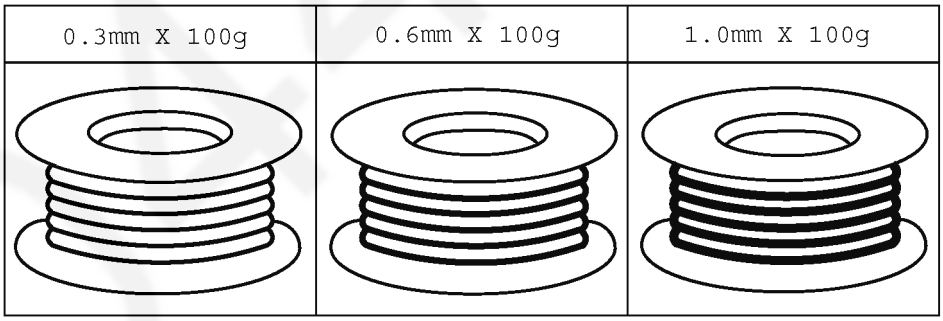
Caution

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



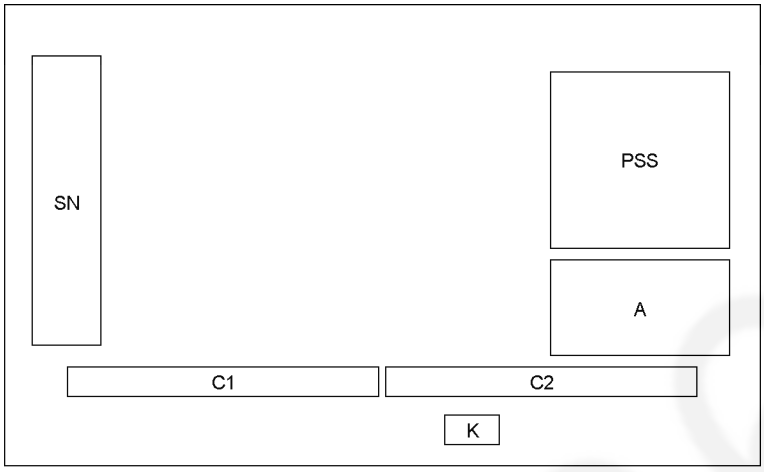
Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.



3 Service Navigation

3.1. PCB Layout



Board Name	Function
PSS	Power Supply, Sustain Drive Non serviceable. PSS-Board should be exchanged for service.
A	Main AV input, processing
K	Remote receiver, Power LED, C.A.T.S sensor
C1	Data Driver (Lower Right)
C2	Data Driver (Lower Left)
SN	Scan Drive

3.2. Applicable signals

■ COMPONENT (Y, P_B, P_R) (from AV2 terminal), HDMI

Signal name	COMPONENT	HDMI
525 (480) / 60i	*	*
525 (480) / 60p	*	*
625 (576) / 50i	*	*
625 (576) / 50p	*	*
750 (720) / 60p	*	*
750 (720) / 50p	*	*
1,125 (1,080) / 60i	*	*
1,125 (1,080) / 50i	*	*
1,125 (1,080) / 60p		*
1,125 (1,080) / 50p		*
1,125 (1,080) / 24p		*

* Mark: Applicable input signal

■ PC (from D-sub 15P)

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 400 @70 Hz	31.47	70.07
640 × 480 @60 Hz	31.47	59.94
640 × 480 @75 Hz	37.50	75.00
800 × 600 @60 Hz	37.88	60.32
800 × 600 @75 Hz	46.88	75.00
800 × 600 @85 Hz	53.67	85.06
852 × 480 @60 Hz	31.44	59.89
1,024 × 768 @60 Hz	48.36	60.00
1,024 × 768 @70 Hz	56.48	70.07
1,024 × 768 @75 Hz	60.02	75.03
1,024 × 768 @85 Hz	68.68	85.00
1,280 × 1,024 @60 Hz	63.98	60.02
1,280 × 768 @60 Hz	47.70	60.00
1,366 × 768 @60 Hz	48.39	60.04
Macintosh13" (640 × 480)	35.00	66.67
Macintosh16" (832 × 624)	49.73	74.55
Macintosh21" (1,152 × 870)	68.68	75.06

Applicable input signal for PC is basically compatible to VESA standard timing.

■ PC (from HDMI terminal)

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 480 @60 Hz	31.47	60.00
1,280 × 720 @60 Hz	45.00	60.00
1,920 × 1,080 @60 Hz	67.50	60.00

Applicable input signal for PC is basically compatible to HDMI standard timing.

Note

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.
- PC signal is magnified or compressed for display, so that it may not show fine detail with sufficient clarity.

4 Specifications

Power Consumption (Z)

Power rating	AC 220-240 V, 50 / 60 Hz 1.4 A	
Normal (Home) mode	122 W	
Standby condition	0.4 W	
Power Source (Except Z)	AC 220 - 240 V, 50 / 60 Hz (Except P) AC 110 - 240 V, 50 / 60 Hz (P)	
Power Consumption (Except Z)		
Power Rating	250 W (Except P)	255 W (P)
Standby condition	0.4 W	
Display panel		
Panel system	Plasma panel	
Visible screen size (diagonal)	127 cm / 50 inches	
Number of pixels	786,432 (1,024 (W) × 768 (H)), [3,072 × 768 dots]	
Dimensions (W × H × D)	1,184 mm × 757 mm × 266 mm (With Pedestal) 1,184 mm × 716 mm × 81 mm (TV only)	
Mass	22.5 kg Net (With Pedestal) 21.0 kg Net (TV only)	
Sound		
Speaker	(160 mm × 40 mm) × 2, 8Ω	
Audio output	20 W (10 W + 10 W)	
Headphones	M3 (3.5 mm) stereo mini Jack × 1	
Receiving systems / Band name (Z)		
PAL B/G	Reception of Off air broadcasts	
Digital TV	8 MHz UHF (New Zealand) free-to-air TV broadcast reception	
PAL 60 Hz	Playback of NTSC tape from some PAL Video recorders (VCR)	
M.NTSC	Playback from M.NTSC Video recorders (VCR)	
NTSC	Playback from NTSC Video recorders (VCR)	

Receiving systems / Band name (Except Z)

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)	

Digital TV : 7 MHz VHF / 8 MHz UHF free-to-air TV broadcast reception.(G/S/V)

17 Systems		Function
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 (Except Z)

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 - Rear	VHF/UHF
Operating Conditions	
Temperature:	0 °C - 40 °C (Except Z) 0 °C - 35 °C (Z)
Humidity:	20 % - 80 % RH (non-condensing)

Connection terminals

AV1 IN		
AUDIO L - R	RCA PIN Type × 2	0.5 V [rms]
VIDEO	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)
AUDIO OUT		
AUDIO L - R	RCA PIN Type × 2	0.5 V [rms] (high impedance)
AV2 IN		
AUDIO L - R	RCA PIN Type × 2	0.5 V [rms]
COMPONENT	Y	1.0 V [p-p] (including synchronization)
	P_B/C_B, P_R/C_R	± 0.35 V [p-p]
VIDEO	RCA PIN Type × 1	1.0 V [p-p] (75 Ω)

HDMI 1 / 2 input	TYPE A Connectors • This TV supports "HDAVI control 5" function.	
PC	HIGH-DENSITY D-SUB 15PIN	
	R,G, B:	0.7 V [p-p] (75 Ω)
	HD, VD:	TTL Level 2.0 - 5.0 V [p-p] (high impedance)
	• Applicable input signals:	VGA, SVGA, WVGA, XGA SXGA, WXGA ..... (compressed) Horizontal scanning frequency 31 - 69 kHz Vertical scanning frequency 59 - 86 Hz
Card slot	SD Card slot × 1	
ETHERNET	10BASE-T / 100BASE-TX	
USB	USB 2.0 DC 5 V, Max. 500 mA	
DIGITAL AUDIO OUT (G/S/V/Z)	PCM / Dolby Digital / DTS, Fiber optic	

Note

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

5 Technical Descriptions

5.1. Panel-Type setting

Panel-Type setting is required after exchange the A-board.
A-board for spare parts is common use for different inch size in same series.
Go into Service Mode and confirm/select Panel-Type in OPTION to correct inch size.

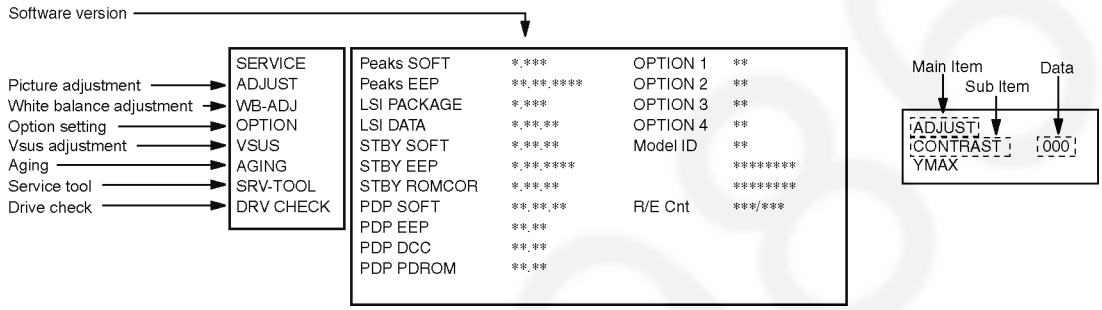
6 Service Mode

6.1. How to enter into Service Mode

6.1.1. Purpose

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

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



6.1.2. 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
[RED] button...All Sub items Selection in reverse direction
[GREEN] button...All Sub items Selection in forward direction
[VOL] button...Value of sub items change in forward direction (+), in reverse direction (-)

6.1.3. How to exit

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

6.1.4. Contents of adjustment mode

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

Main item	Sub item	Sample Data	Remark
ADJUST	CONTRAST	000	
	COLOR	3D	
	TINT	00	
	SUB-BRT	800	
	H-POS	0	
	H-AMP	0	
	V-POS	0	
	V-AMP	0	
WB-ADJ	R-CUT	80	
	G-CUT	80	
	B-CUT	80	
	R-DRV	EE	
	G-DRV	FF	
	B-DRV	AC	
	ALL-CUT	80	
	ALL-DRV	FF	
OPTION	Panel-Type	50HD	Factory Preset
	Boot	ROM	
	STBY-SET	00	
	EMERGENCY	ON	
	Y/C Delay		
	OPT 1	10010000	
	OPT 2	00100010	
	OPT 3	00001001	
	OPT 4	00000000	
	EDID-CLK	MID	
	MIRROR	00 (See Option-Mirror)	
	AMR-SELECT	OFF	
VSUS		LOW	See Vsus selection
AGING	ALL WHITE		Built-in test patterns can be displayed.
	MIDDLE BLUE WITH MAGENTA OUTSIDE FRAME		
	MIDDLE STEP GREEN		
	MIDDLE STEP RED		
	LOW STEP WHITE		
	ALL BLUE		
	ALL GREEN		
	ALL RED		
	WHITE DIAGONAL STRIPE		
	RED DIAGONAL STRIPE		
	GREEN DIAGONAL STRIPE		
	BLUE DIAGONAL STRIPE		
	A-ZONE & B-ZONE		
	1% WINDOW		
	COLOR BAR		
	9 POINTS BRIGHT MEASURE		
	2 DOT OUTSIDE FRAME		
	DOUBLE FIXED 1% WINDOW		
	VERTICAL LINE SCROLL		
	ON/OFF		
	R/G/B/W ROTATION WITH COUNT DISPLAY		
	HALF FIXED ALL WHITE		
	ALL WHITE WITH COUNT DISPLAY		
SRV-TOOL		00	See Service tool mode
DRV CHECK	USBHDD CHECK	00	See DRV Check-USBHDD Check

6.2. Option - Mirror

Picture can be reversed left and right or up and down.
00 : Default (Normal picture is displayed)
01 : Picture is reversed left and right.
02 : Picture is reversed up and down.

00

01

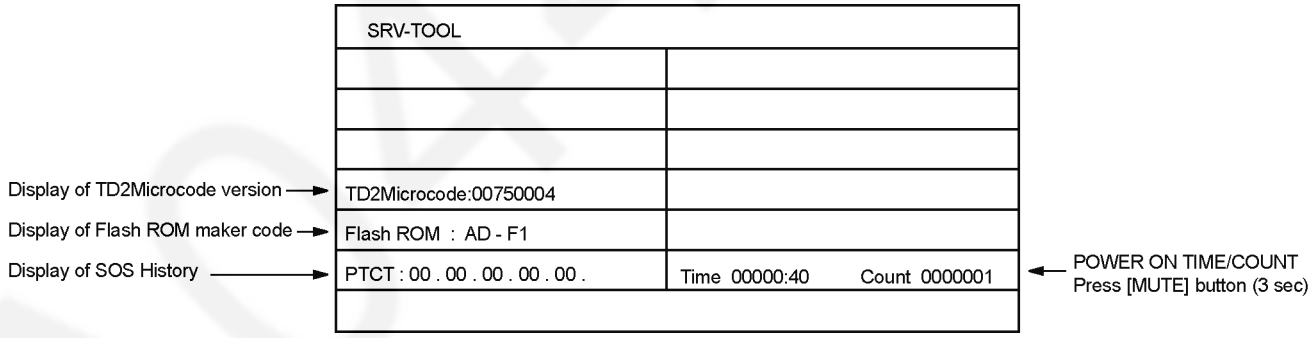
02

Hint : If the defective symptom (e.g. Vertical bar or Horizontal bar) is moved by selection of this mirror, the possible cause is in A-board.

6.3. Service tool mode

6.3.1. How to access

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



6.3.2. Display of SOS History

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

6.3.3. POWER ON TIME/COUNT

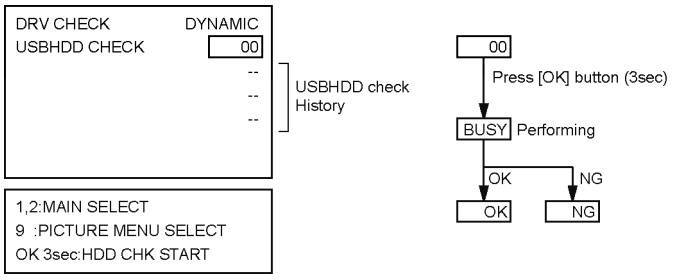
Note : To display TIME/COUNT menu, highlight position, then press MUTE for 3 sec.
Time : Cumulative power on time, indicated hour : minute by decimal
Count : Number of ON times by decimal
Note : This indication will not be cleared by either of the self-checks or any other command.

6.3.4. Exit

1. Disconnect the AC cord from wall outlet.

6.4. DRV Check - USB HDD Check

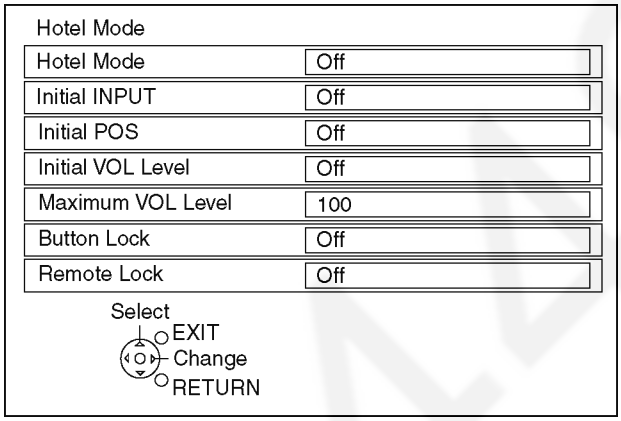
1. Select [DRV Check - USBHDD Check] in Service Mode.
2. Press [OK] button on the remote control for more than 3 seconds.



6.5. 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

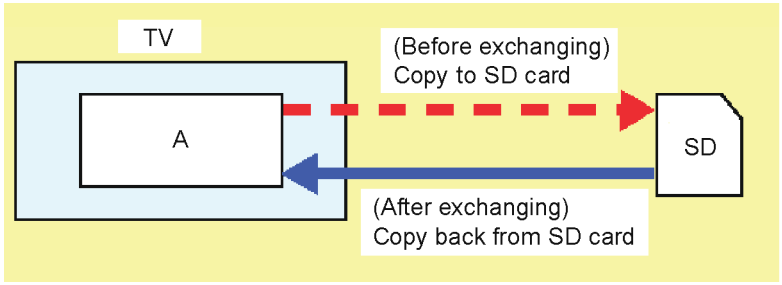
Item	Function
Hotel Mode	Select hotel mode On/Off
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off,Analogue TV,Digital TV,AV1,AV2,PC,HDMI1, HDMI2 • Off: give priority to a last memory.
Initial POS	Select programme number. Selection : Off/0 to 99 • Off: give priority to a last memory
Initial VOL Level	Adjust the volume when each time power is switched on. Selection/Range : Off/0 to 100 • Off: give priority to a last memory
Maximum VOL Level	Adjust maximum volume. Range : 0 to 100
Button Lock	Select local key conditions. Selection : Off/SETUP/MENU/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

6.6. Data Copy by SD Card

6.6.1. Purpose

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

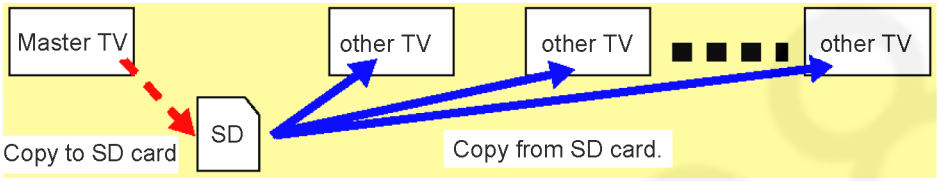
When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



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

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

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



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

6.6.2. Preparation

Make pwd file as startup file for (a) or (b) in a empty SD card.

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

File name:

(a) For Board replacement : boardreplace.pwd
(b) For Hotel : hotel.pwd

Note:

Please make only one file to prevent the operation error.

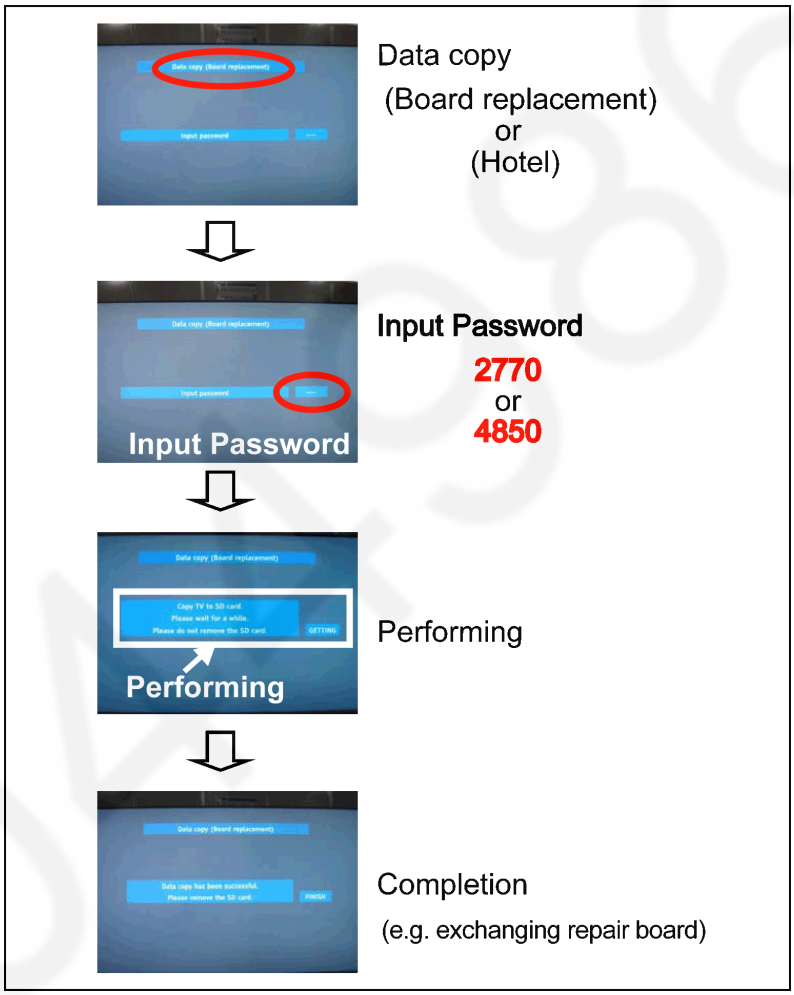
No any other file should not be in SD card.

6.6.3. Data copy from TV set to SD Card

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

Note:

Following new folder will be created in SD card for data from TV set.
(a) For Board replacement : user_setup
(b) For Hotel : hotel

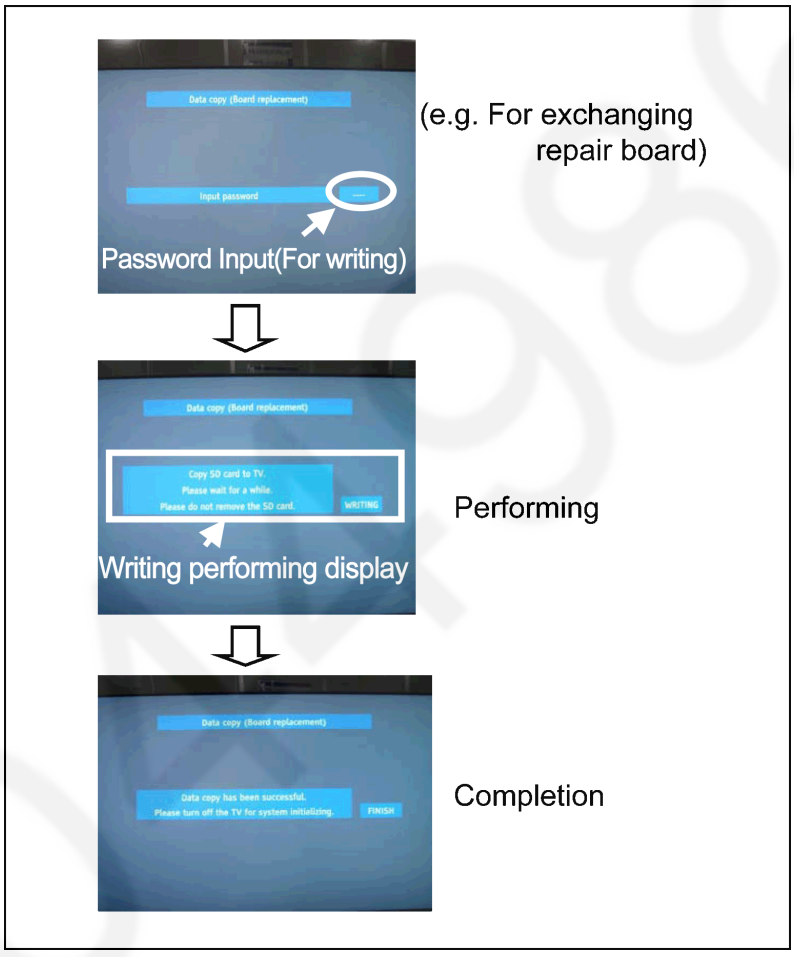


6.6.4. Data copy from SD Card to TV set

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

Note:

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



7 Troubleshooting Guide

Use the self-check function to test the unit.

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

7.1. Check of the IIC bus lines

7.1.1. How to access

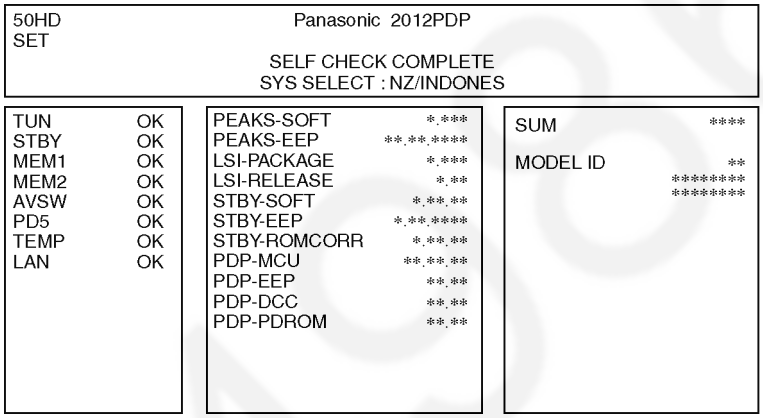
7.1.1.1. Self-check indication only:

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

7.1.1.2. Self-check indication and forced to factory shipment setting:

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

7.1.2. Screen display



7.1.3. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Check Ref. No.	Description	Check Point
TUN	TU4801	TUNER	A-BOARD
STBY	IC8000	PEAKS-SLD2(STM)	A-BOARD
MEM1	IC8902	PEAKS EEPROM	A-BOARD
MEM2	IC8901	STM EEPROM	A-BOARD
AVSW	IC3001	AVSW	A-BOARD
PD5	IC9300	PD5L	A-BOARD
TEMP	IC2001	TEMP SENSOR	A-BOARD
LAN	IC8601	ETHERPHY	A-BOARD

7.1.4. Exit

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

7.2. Power LED Blinking timing chart

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

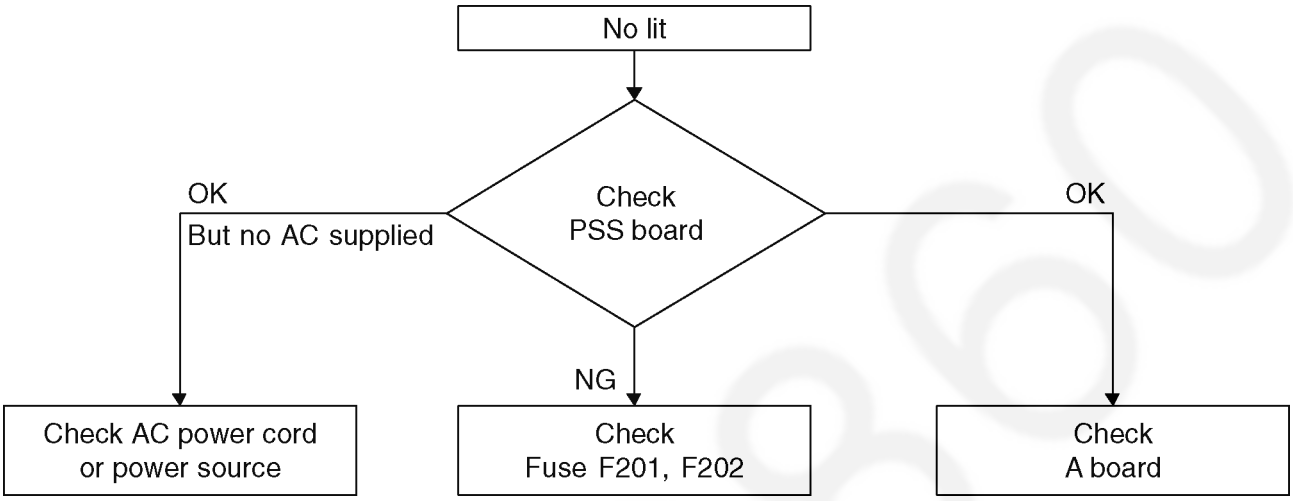
Blinking Times	Contents	Check point
1	Panel information SOS PD Start SOS	-
3	P+3.3V SOS	A-Board
4	Power SOS	PSS-Board
5	P+5V SOS	A-Board
6	Driver SOS1 (SN/PSS Energy recovery circuit) (A-SN FPC DET)	SN-Board PSS-Board A-SN FPC
7	Driver SOS2 (SN Connector DET) (SN Scan and Logic IC)	SN-Board
8	Driver SOS3 (PSS FPC DET)	PSS-Board PSS FPC
9	Discharge Control SOS	A-Board
10	SUB 5V SENSE SOS SUB 3.3V SENSE SOS Tuner power SOS BE SOS	A-Board SN-Board PSS-Board
12	Sound SOS	A-Board Speaker
13	Emergency SOS	A-Board

7.3. No Power

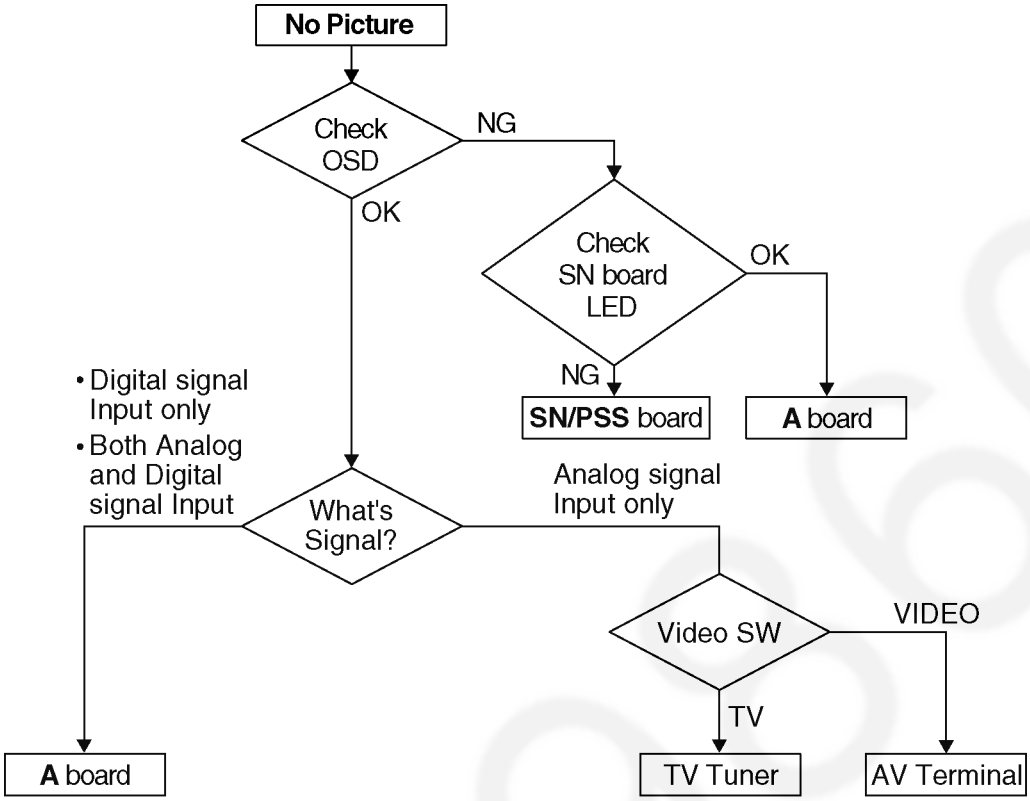
First check point

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

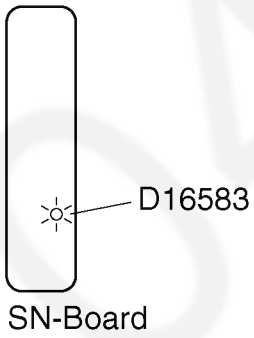
1. No lit
2. Green is lit then turns red blinking a few seconds later. (See Power LED Blinking timing chart)
3. Only red is lit.



7.4. No Picture

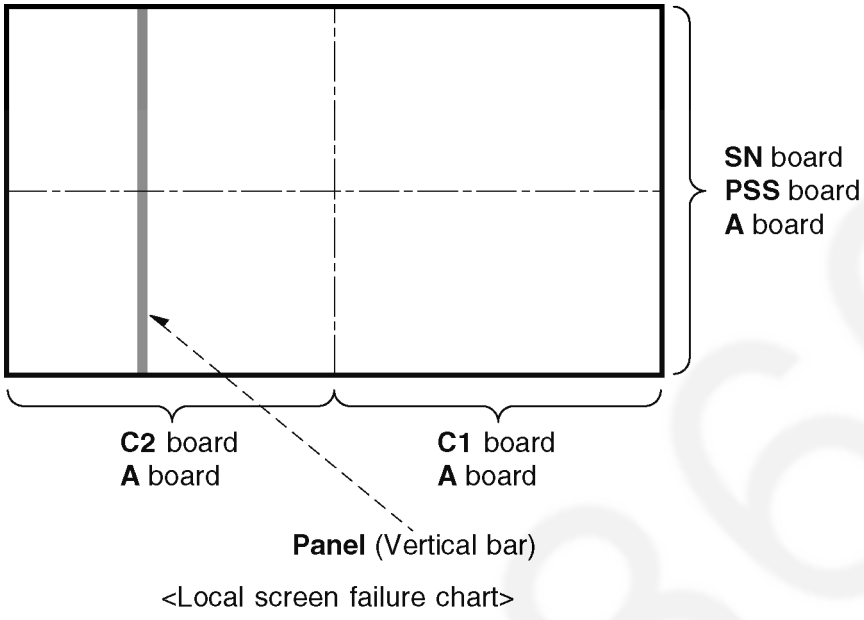


Drive circuits LED indicator



7.5. Local screen failure

Plasma display may have local area failure on the screen. Fig-1 is the possible defect P.C.B. for each local area.



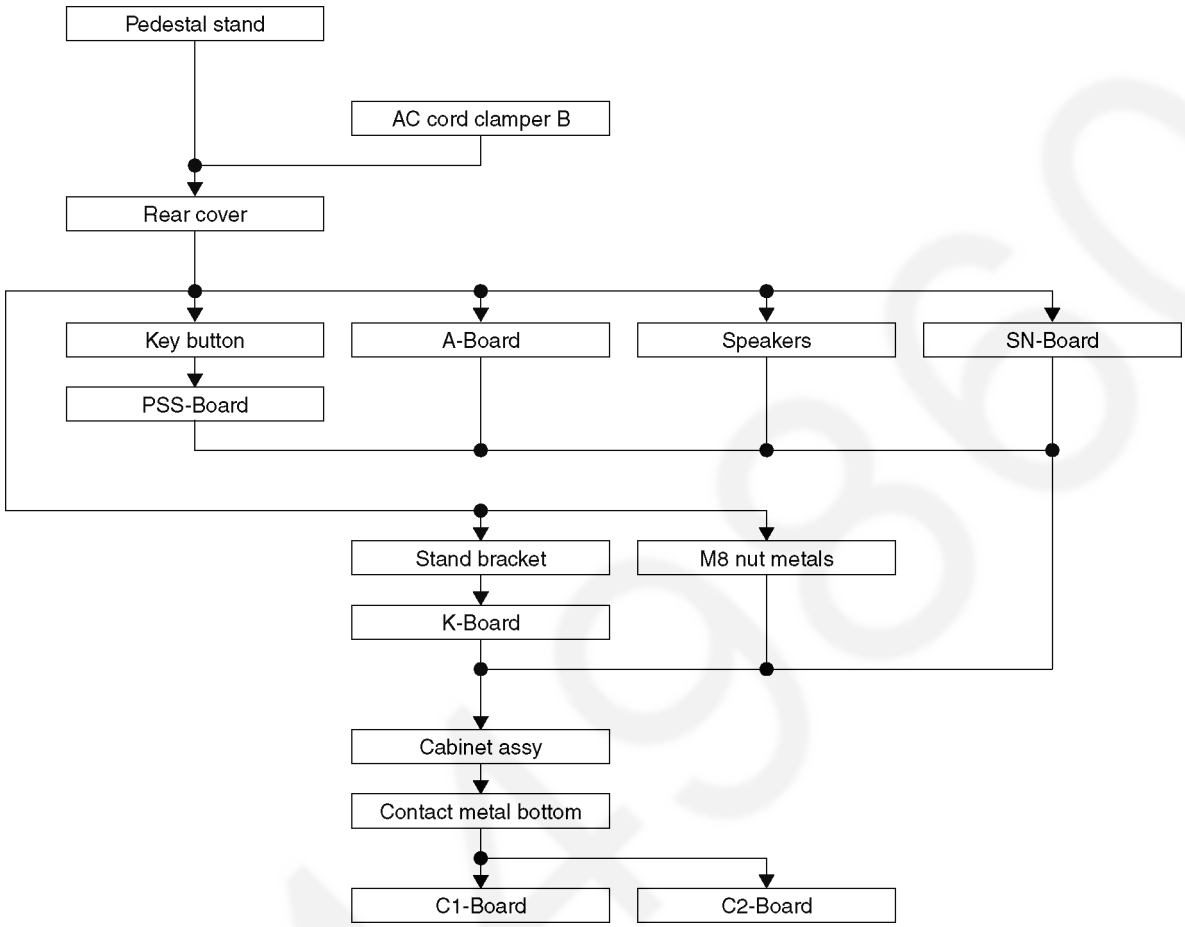
<Local screen failure chart>

Fig-1

8 Disassembly and Assembly Instructions

8.1. Disassembly Flow Chart for the Unit

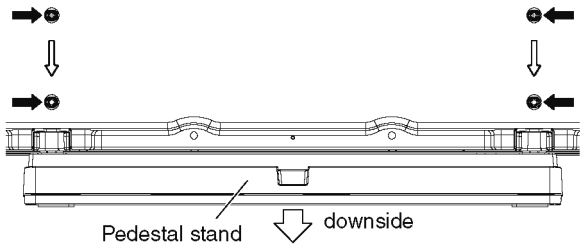
This is a disassembly chart.
When assembling, perform this chart conversely.



8.2. Disassembly Procedure for the Unit

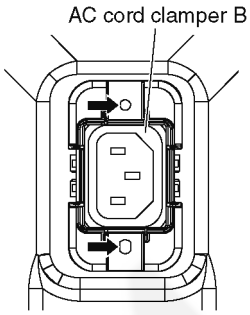
8.2.1. Remove the Pedestal stand

1. Remove the Plasma panel section from the servicing stand and lay on a flat surface such as a table (covered by a soft cloth) with the Plasma panel surface facing downward.
2. Remove the screws (×4 ➡).
3. Slide the Pedestal stand to the downside and remove the Pedestal stand.



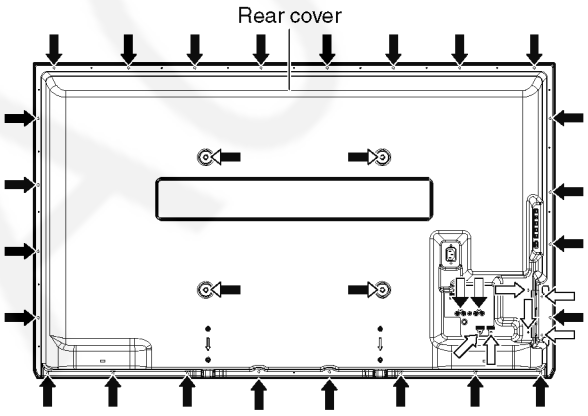
8.2.2. Remove the AC cord clamper B

1. Remove the screws (×2 ➡) and remove the AC cord clamper B.



8.2.3. Remove the Rear cover

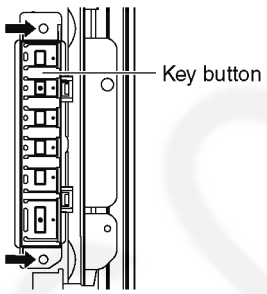
1. Remove the screws (×24 ➡, ×6 ⇨, ×2 ⇨).
2. Remove the M8 caps (×4 ➡).
3. Remove the Rear cover.



➡ (1) THTD030J
⇨ (2) THEC1509
⇨ (3) XTV3+8GFJK
➡ (4) TKKL5493

8.2.4. Remove the Key button

1. Remove the screws (×2 ➡).
2. Remove the Key button.

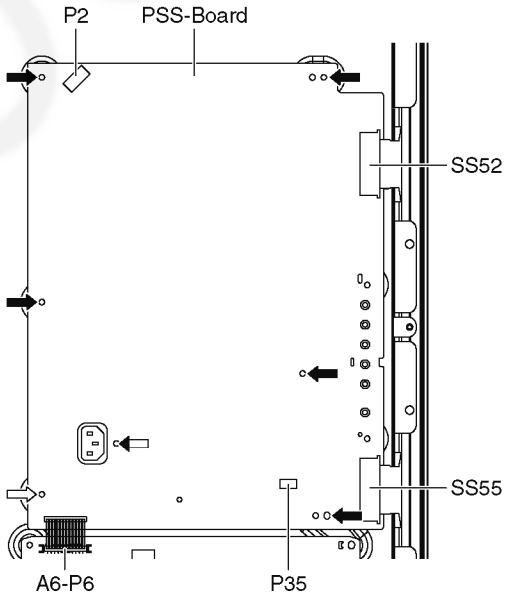


8.2.5. Remove the PSS-Board

Caution:

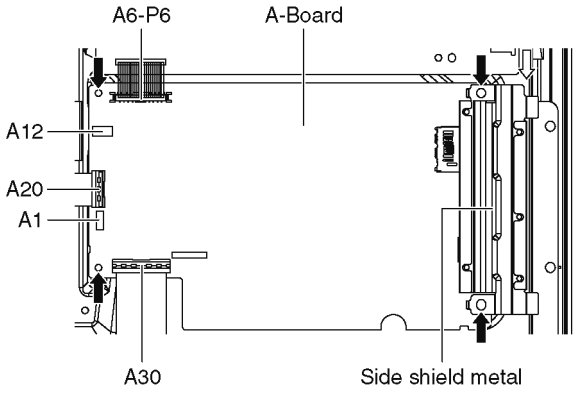
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Disconnect the connectors (P2 and P35).
2. Disconnect the bridge connector (A6-P6).
3. Disconnect the flexible cables (SS52 and SS55).
4. Remove the screws (×5 ➡, ×1 ⇨, ×1 ⇨) and remove the PSS-Board.



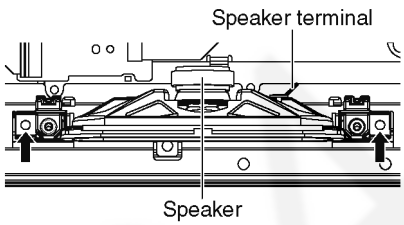
8.2.6. Remove the A-Board

1. Unlock the cable clampers and the tapes to free the cables.
2. Disconnect the connectors (A1 and A12).
3. Disconnect the bridge connector (A6-P6).
4. Disconnect the flexible cables (A20 and A30).
5. Remove the screws (×4 ➡) and remove the Side shield metal.
6. Remove the A-Board.



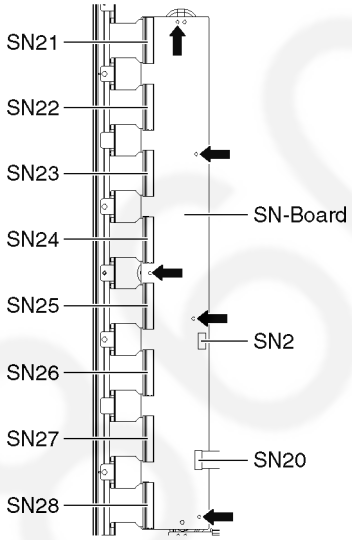
8.2.7. Remove the Speakers

1. Unlock the cable clampers and the tapes to free the cables.
2. Disconnect the Speaker terminal.
3. Remove the screws (×2 ➡ each) and remove the Speakers (L, R).



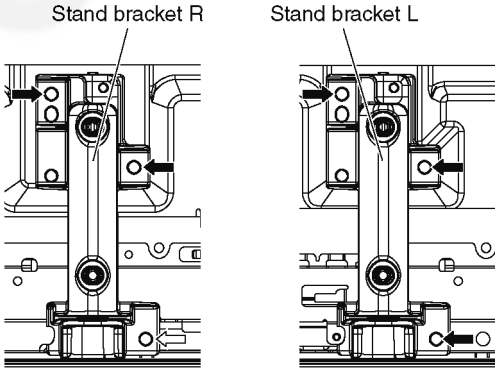
8.2.8. Remove the SN-Board

1. Remove the flexible cables (SN21, SN22, SN23, SN24, SN25, AN26, SN27 and SN28) connected to the SN-Board.
2. Disconnect the connector (SN2).
3. Disconnect the flexible cable (SN20).
4. Remove the screws (×5 ➡) and remove the SN-Board.



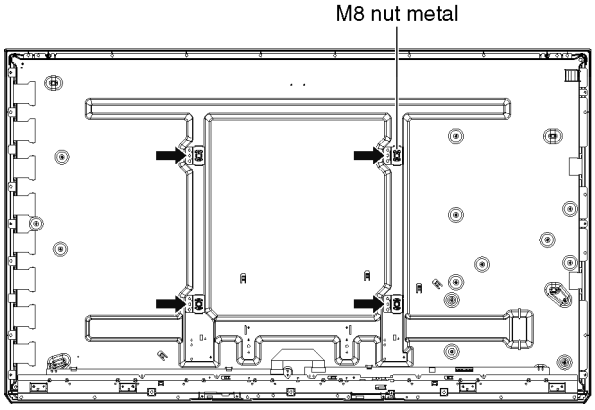
8.2.9. Remove the Stand bracket

1. Remove the Hanger metals (L, R) fastening screws (×5 ➡, ×1 ⇨) and remove the Stand bracket plate.



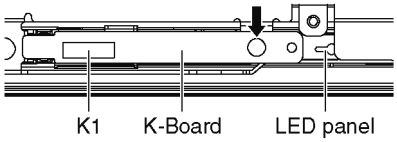
8.2.10. Remove the M8 nut metals

1. Remove the screw (×1 ➡ each) and remove the M8 nut metals.



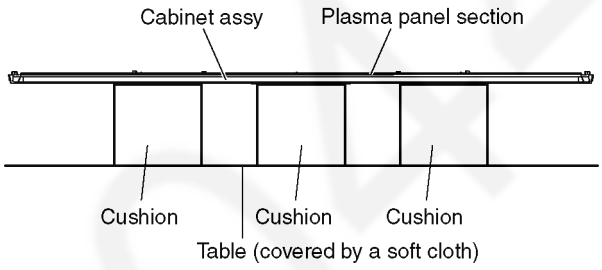
8.2.11. Remove the K-Board

1. Remove the screw (×1 ➡).
2. Disconnect the connector (K1) and remove the K-Board from the LED panel.

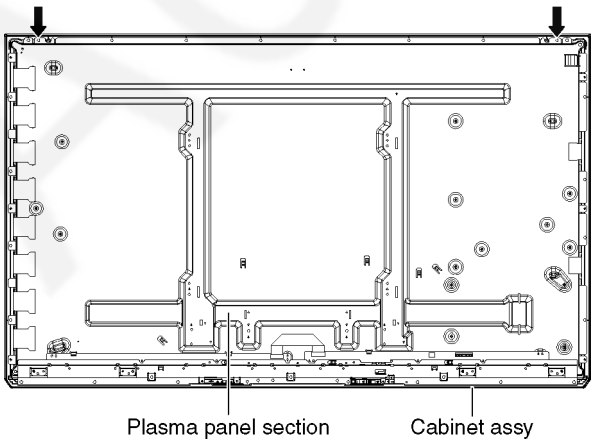


8.2.12. Remove the Cabinet assy from the Plasma panel section.

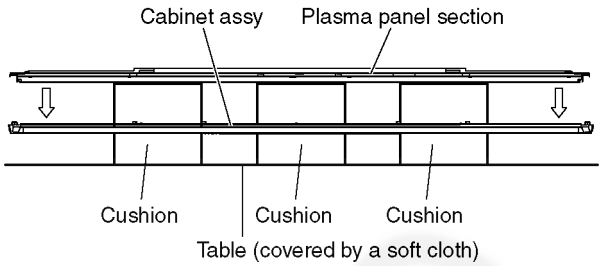
1. Place the Cabinet assy on a flat surface of a table (covered by a soft cloth) and a cushion.



2. Remove the screws (×2 ➡).

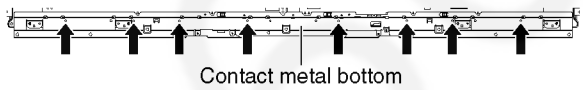


3. Remove the Cabinet assy from the Plasma panel section.



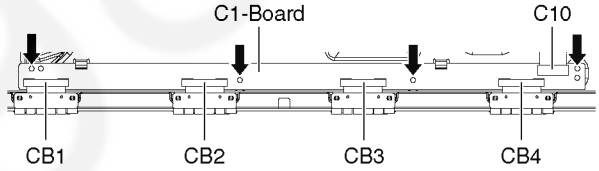
8.2.13. Remove the Contact metal bottom

1. Remove the screws (×8 ➡) and remove the Contact metal bottom.



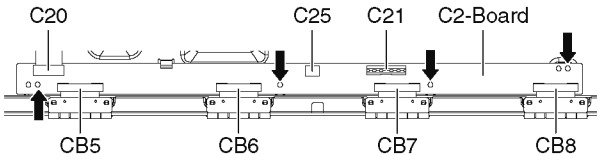
8.2.14. Remove the C1-Board

1. Disconnect the flexible cables (CB1, CB2, CB3 and CB4).
2. Disconnect the flexible cable (C10).
3. Remove the screws (×4 ➡) and remove the C1-Board.



8.2.15. Remove the C2-Board

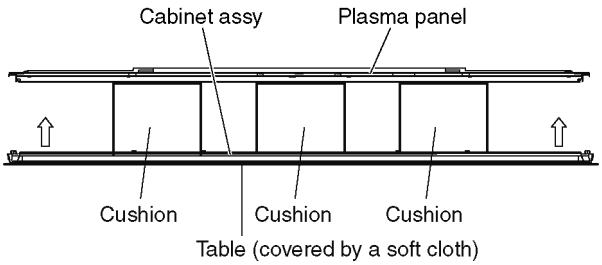
1. Disconnect the flexible cables (CB5, CB6, CB7 and CB8).
2. Disconnect the flexible cables (C20 and C21).
3. Disconnect the connector (C25).
4. Remove the screws (×4 ➡) and remove the C2-Board.



8.2.16. Replace the Plasma panel

Caution:

Place the Plasma panel on a flat surface of a table (covered by a soft cloth) and a cushion.



A new Plasma panel itself without Contact metals is fragile. To avoid the damage to new Plasma panel, carry a new Plasma panel taking hold of the Contact metal bottom.

1. Place a carton box packed a new Plasma panel on the flat surface of the work bench.
2. Open a box and without taking a new Plasma panel.
3. Attach the Cabinet assy and each P.C.Board and so on, to the new Plasma panel.

9 Measurements and Adjustments

9.1. Adjustment

9.1.1. Vsus selection

Caution:

When Plasma panel or A-board is replaced, Vsus should be set to LOW or HIGH.

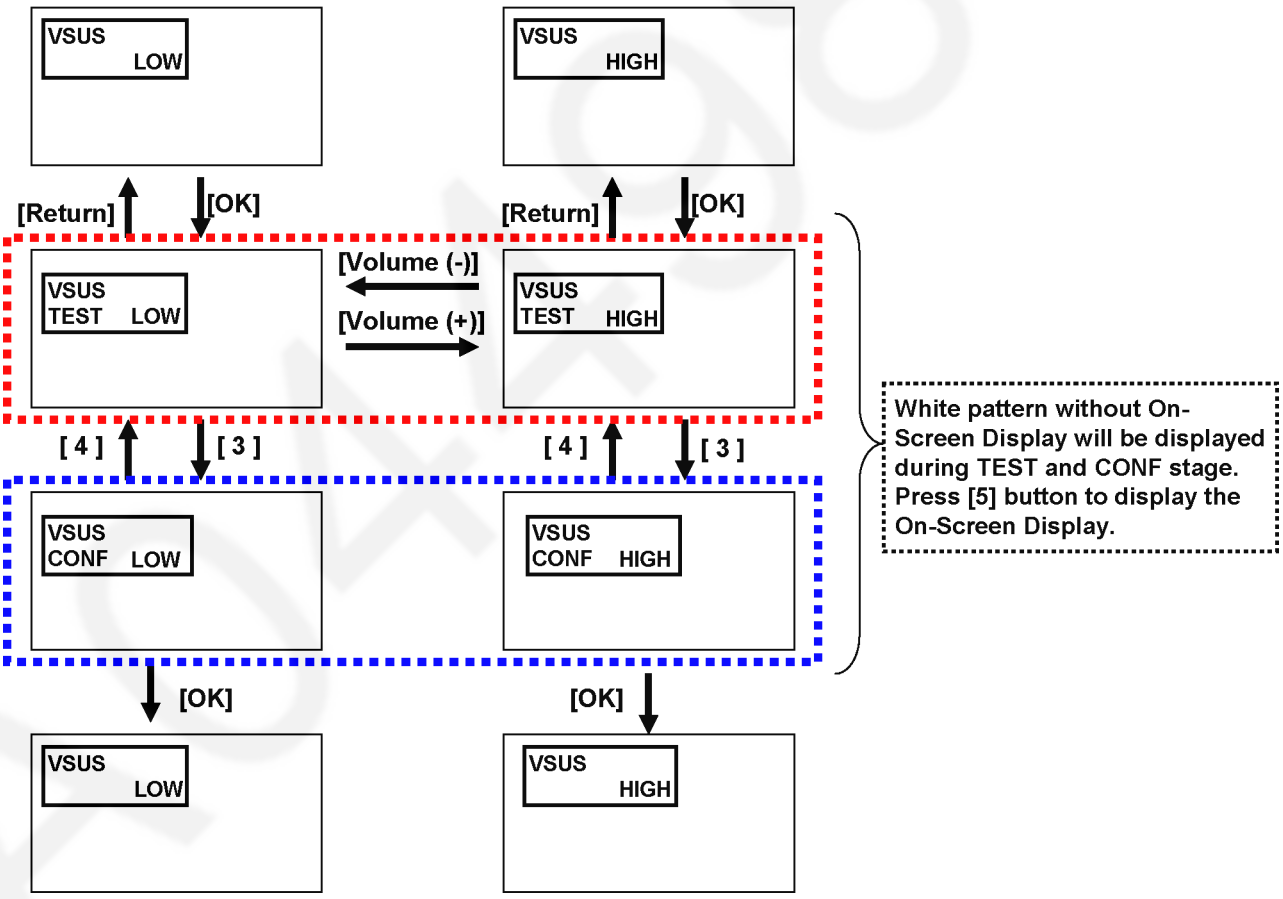
Procedure

1. Go into main item [VSUS] in Service Mode. LOW or HIGH will be displayed.
2. Press [OK] button to go to TEST stage.
   White pattern without On-Screen Display will be displayed during TEST and CONF stage. Press [5] button to display the On-Screen Display.
3. Press [VOL (-)] button to set to LOW.
4. In LOW setting
   a. If no several dead pixel is visible remarkably in white pattern, press [3] button to go to CONF stage.
   b. If the several dead pixels are visible remarkably in white pattern, Set to HIGH by press [VOL (+)] button. Press [3] button to go to CONF stage if the symptom is improved.
5. Press [OK] button in CONF stage to store LOW or HIGH.
6. Exit Service Mode by pressing [Power] button.

Notes:

Do not overwrite because data is written in Peaks-EEPROM after executing adjustment of V-SUS Voltage.

Vsus selection in Service mode



9.1.2. White balance adjustment

Name of measuring instrument	Remarks
Color analyzer (Minolta CS-2000 or equivalent)	

Procedure	Remarks

1. Enter the Service mode.
2. Receive the Analog-RF (except for no signal) or set CVBS/YUV/HDMI (no signal is available).
3. Select [WB-ADJ] by using [1] and [2] key in the remote controller.
4. Check that the colour balance and the viewing mode is the values written in table1 and 2.
5. [INNER PATTERN] is displayed by using [5] key by using [5] key in the remote controller.
6. Select [G-CUTOFF] by using the [3] and [4] key in the remote controller, and set the value to [80] by using the volume [+] and [-] key.
   Also, [B-CUTOFF] and [R-CUTOFF] set to [80]
7. Set [G-DRIVE] value to the initial data (ex. D0).
8. Set the color analyzer and adjust color point to the values written in table1 by using [B-DRIVE] and [R-DRIVE]
9. Increase RGB-DRIVE value so that the maximum drive value of one of R-DRIVE or G-DRIVE or B-DRIVE should become [FF]
   ([ALL-DRIVE] set to [FF].)

Table 1 : White Balance Target value

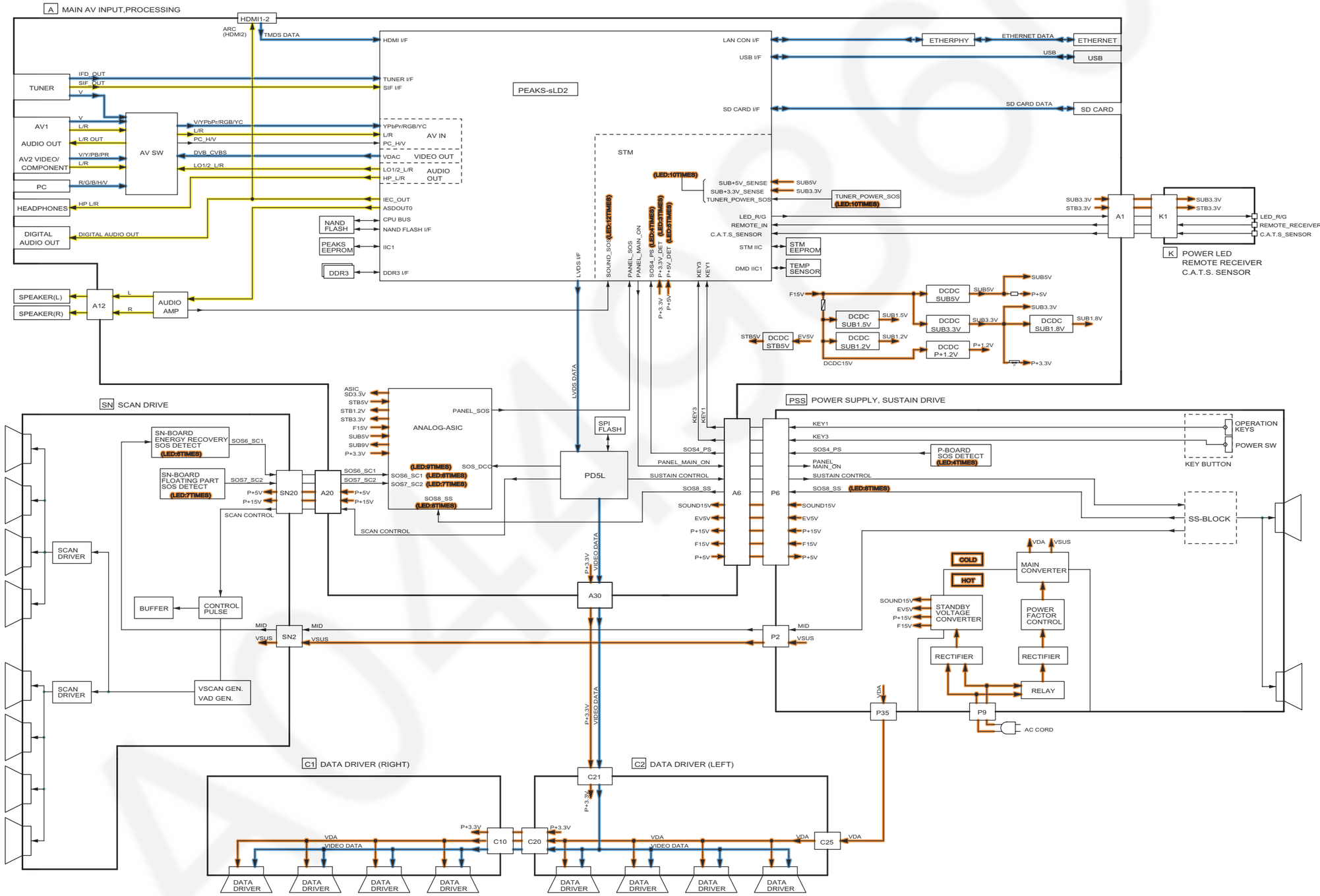
COOL		NORMAL		WARM	
x	y	x	y	x	y
0.277	0.279	0.299	0.314	0.313	0.329

Table2 : Setting of Viewing Mode

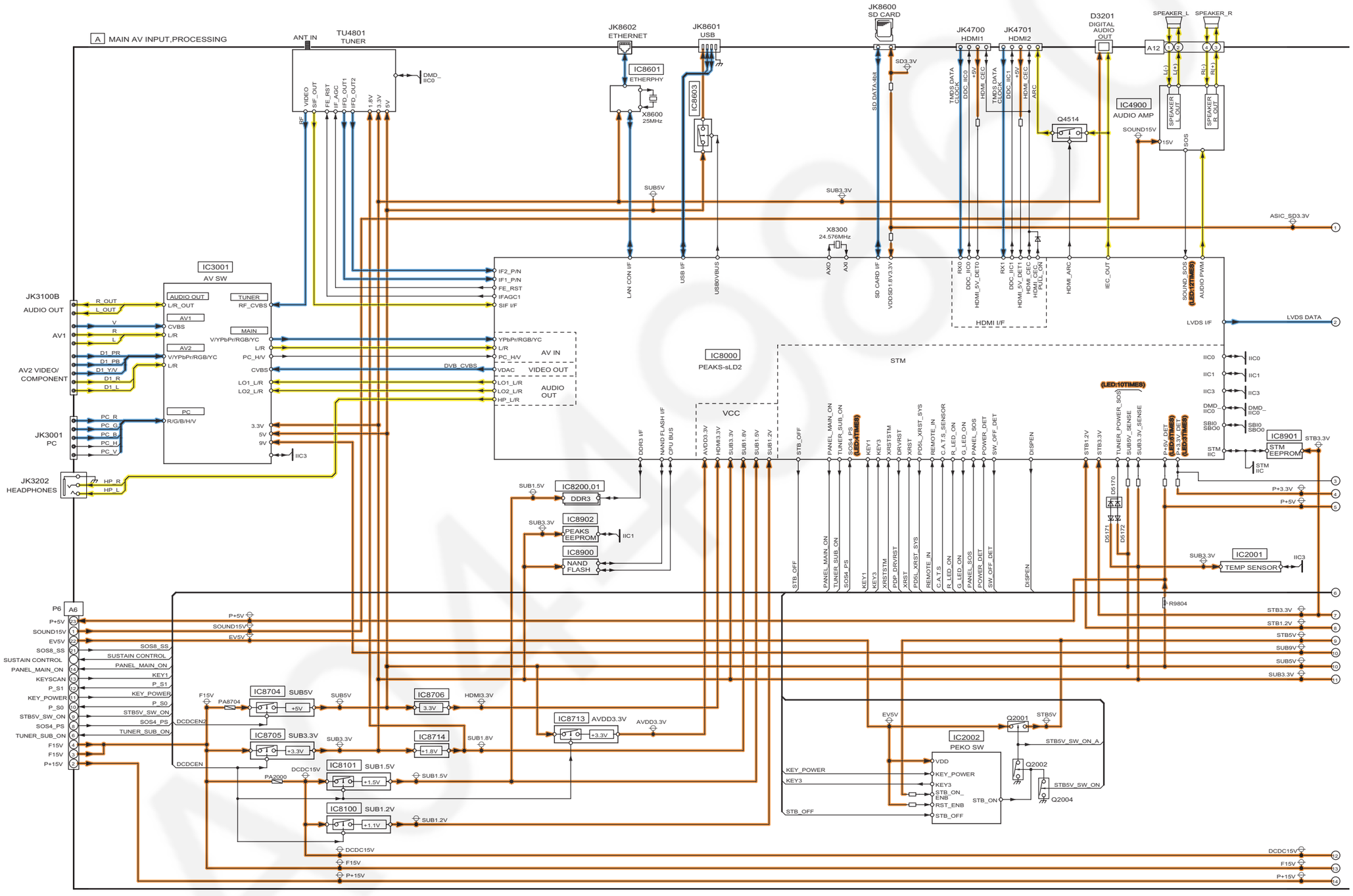
Colour Balance	Viewing Mode
Cool	Dynamic
Normal	Dynamic
Warm	Cinema

10 Block Diagram

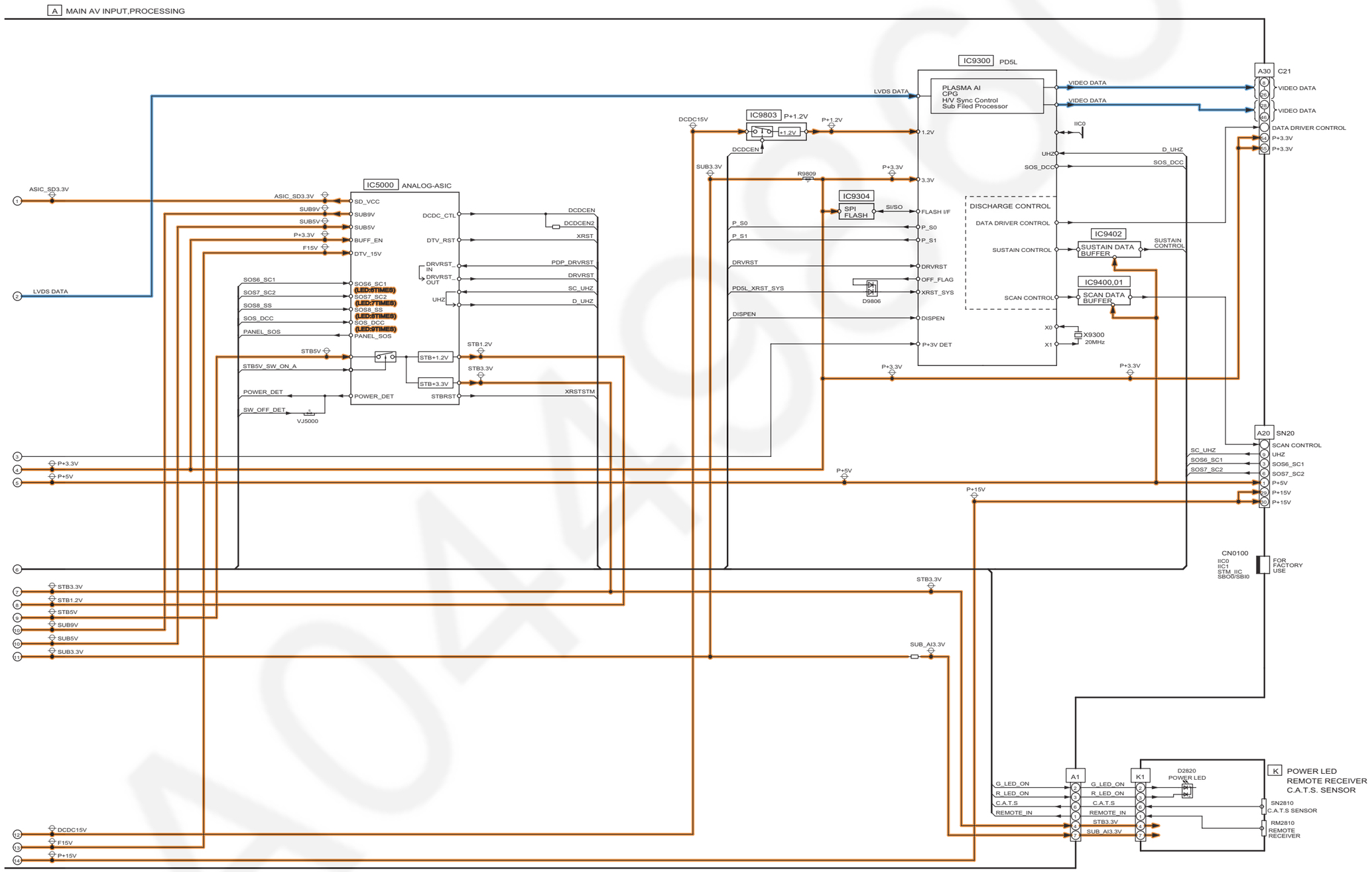
10.1. Main Block Diagram



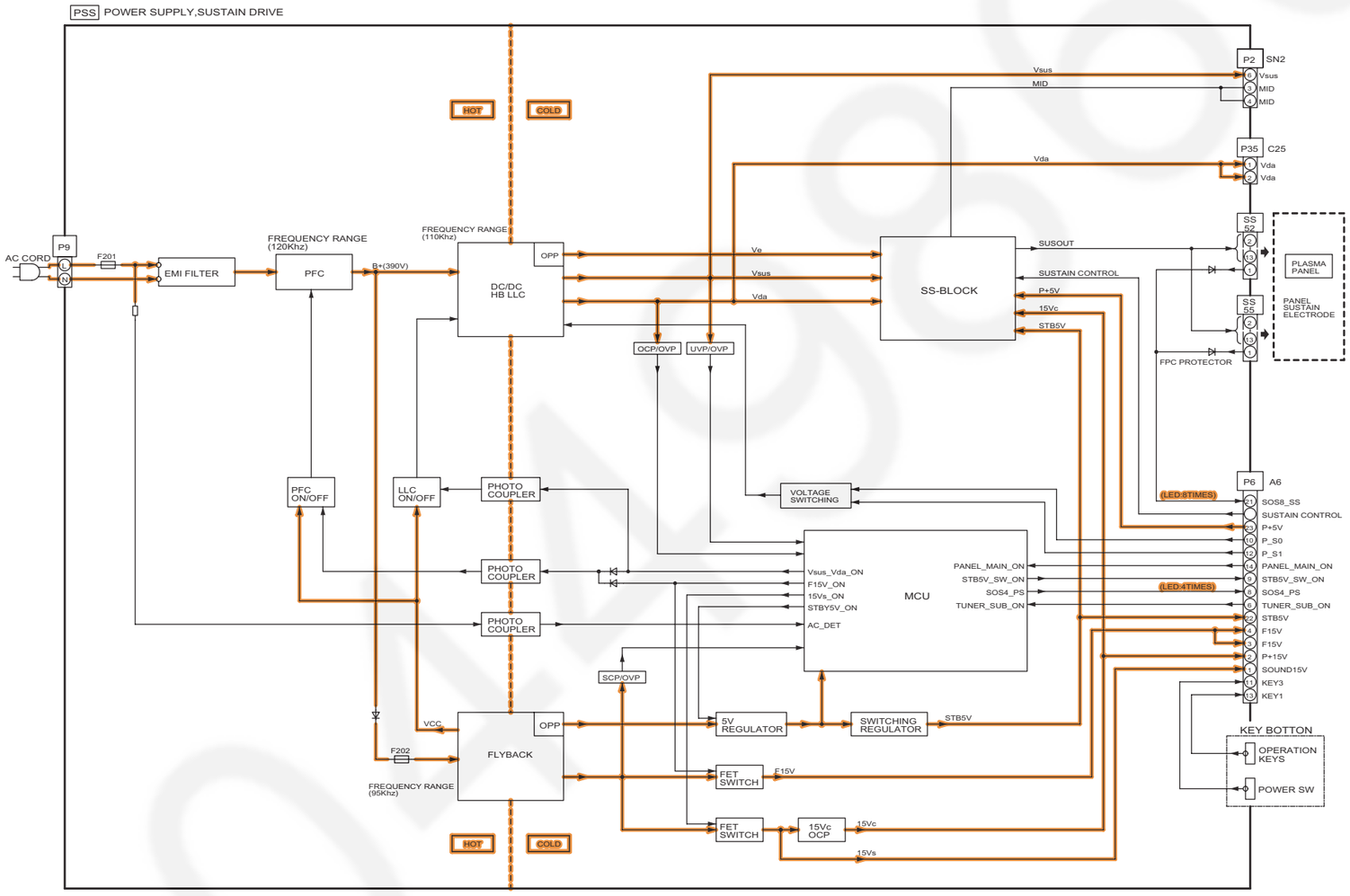
10.2. Block (1/4) Diagram



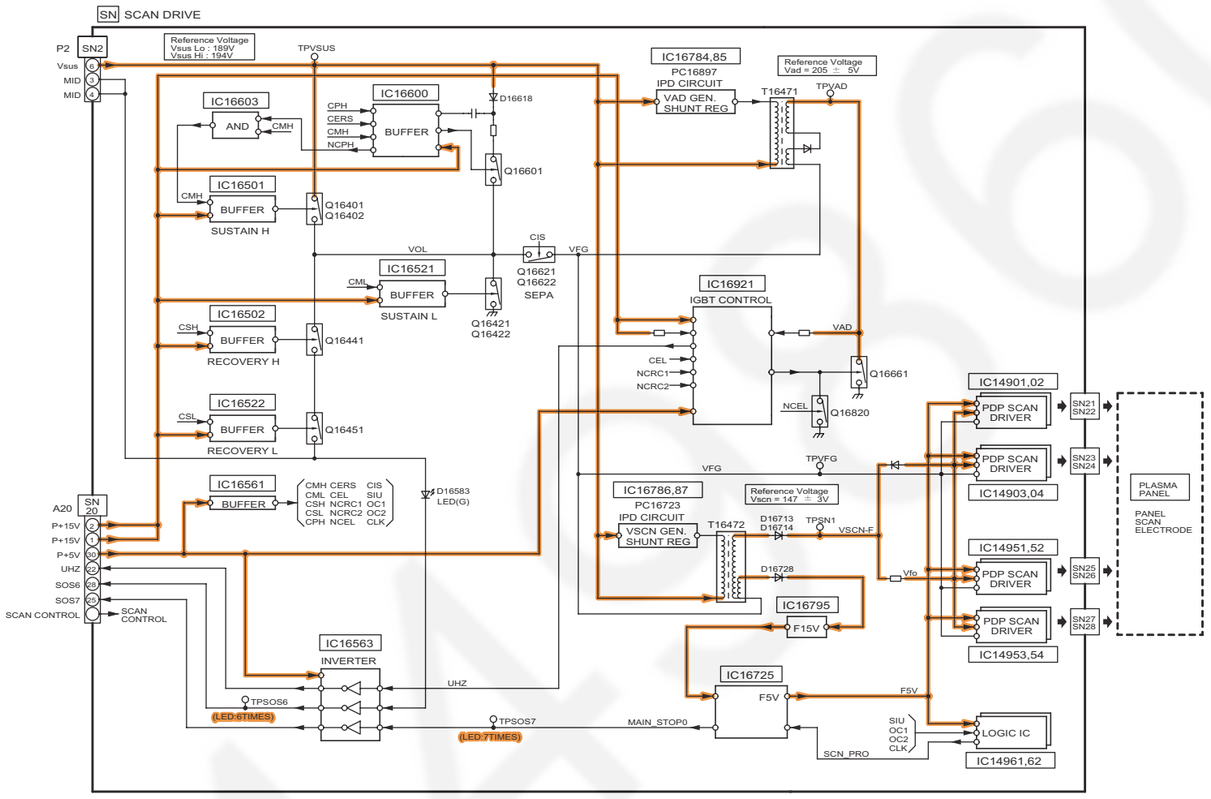
10.3. Block (2/4) Diagram

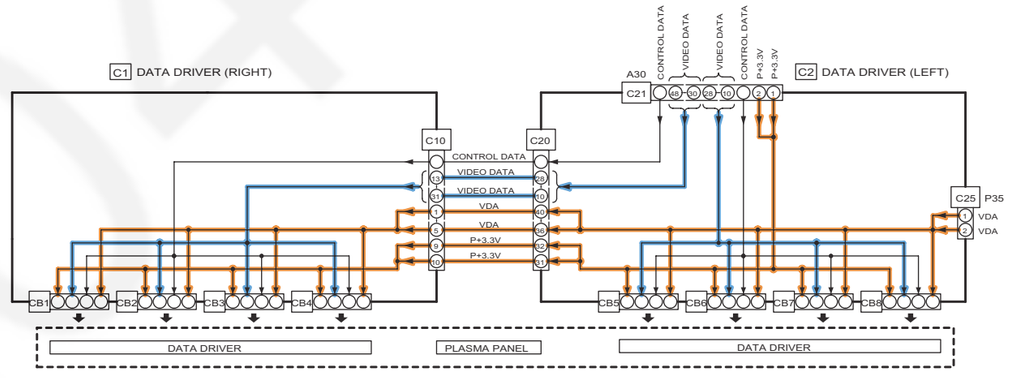


10.4. Block (3/4) Diagram



10.5. Block (4/4) Diagram





11 Wiring Connection Diagram

11.1. Caution statement.

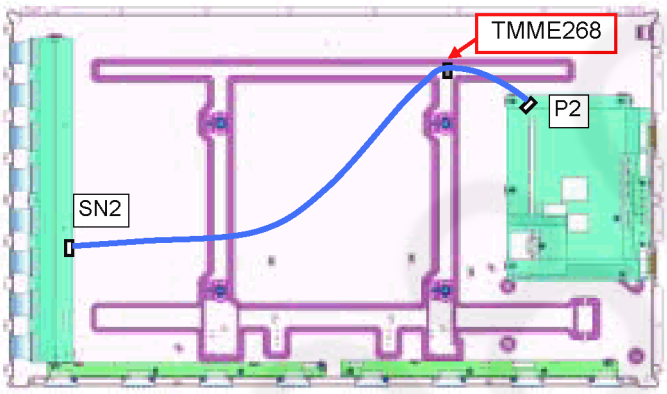
Caution:

Please confirm that all flexible cables are assembled correctly.
Also make sure that they are locked in the connectors.
Verify by giving the flexible cables a very slight pull.

11.2. Wiring (1)

As Drawing Below:
1. Wire Connector:
- Connector : SN2-P2

: TMME268 n=1



2. Connector Flex :
- Connector : C10-C20
- Connector : A20-SN20
- Connector : A30-C21

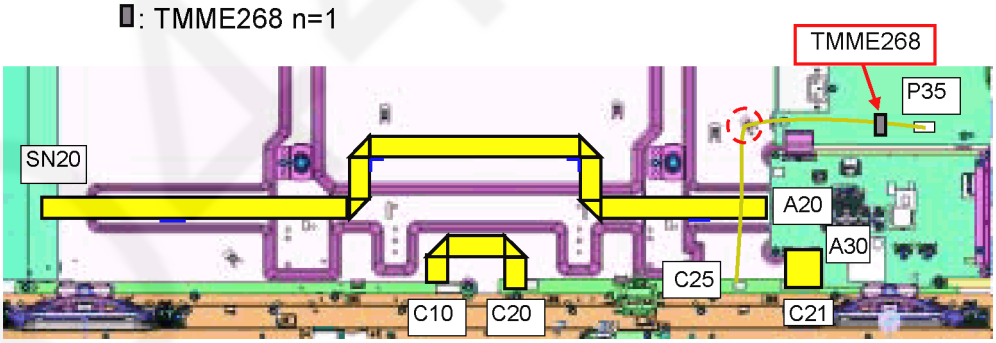
3. Wire Connector :
- Connector : C25-P35

CONNECTOR No. and NAME	
A20	SN20
A30	C21
A6	P6
P35	C25
C10	C20

Hook for fixing

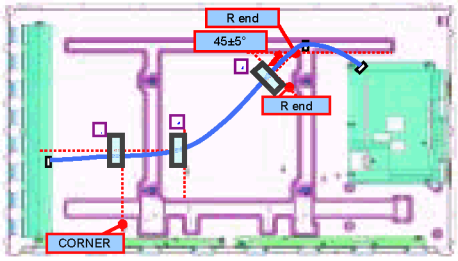
SCRATCH LINE

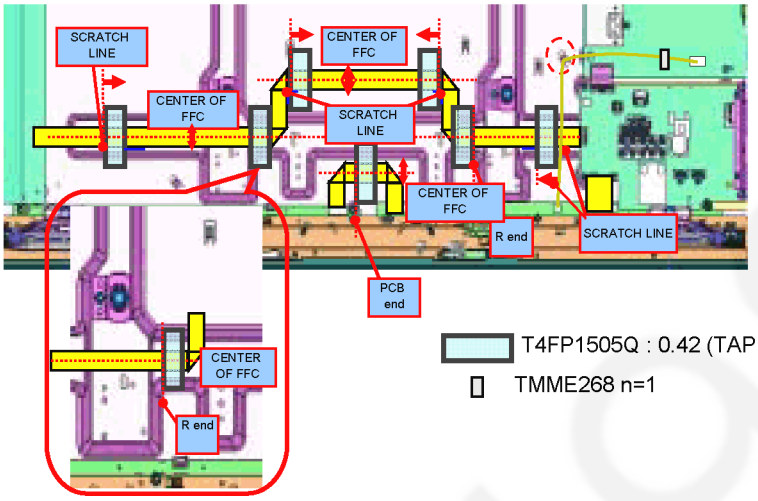
: TMME268 n=1



11.3. Wiring (2)

T4FP1505Q : 0.18 (TAPE 60mm X3)





T4FP1505Q : 0.42 (TAPE 60mm X 7)

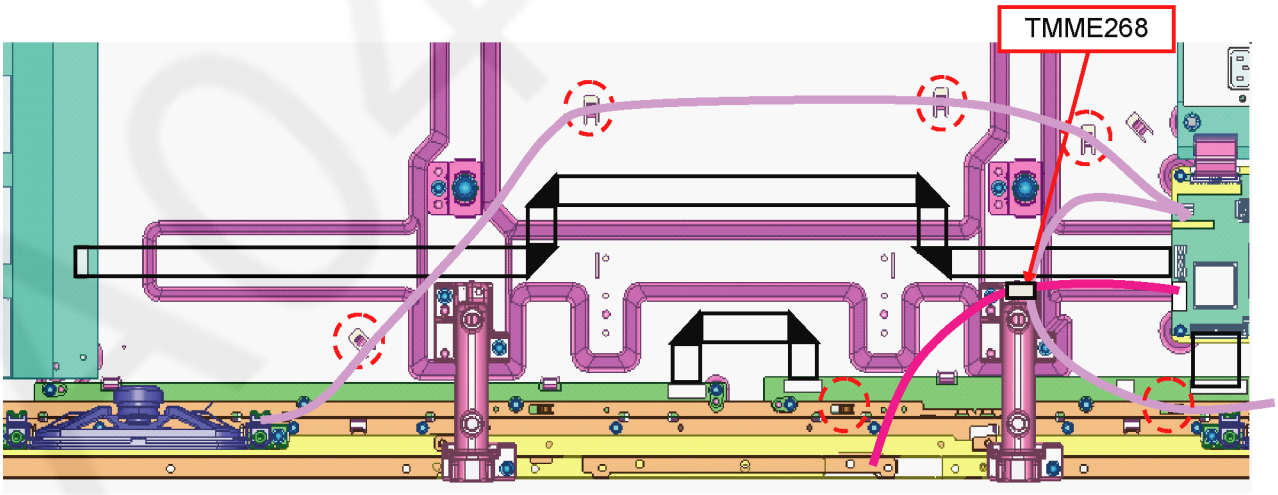
TMME268 n=1

11.4. Wiring (3)

As drawing below :

1.Connector each wire.

2. Insert wire to hook of FE-chassis. Show the below.



Tape Specification/ Sticking Target/Scratch

TMME268 (1pc)

Hook for fixing

Notes:

1. Resistor
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. Capacitor
   Unit of capacitance is μF, unless otherwise noted.
3. Coil
   Unit of inductance is H, unless otherwise noted.
4. Test Point
   ⚲ : Test Point position
5. Earth Symbol
   ⏚ : Chassis Earth (Cold) ⏚ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   Power Source ..... AC 110-240 V, 50/60Hz (P)
   AC 220-240 V, 50/60Hz (Except P)
   Receiving Signal ..... Colour Bar signal (RF)
   All customer's controls ..... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without

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

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
   Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.

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

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

RTL (Retention Time Limited)

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

Abbreviation of part name and description

1. Resistor

Example:

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

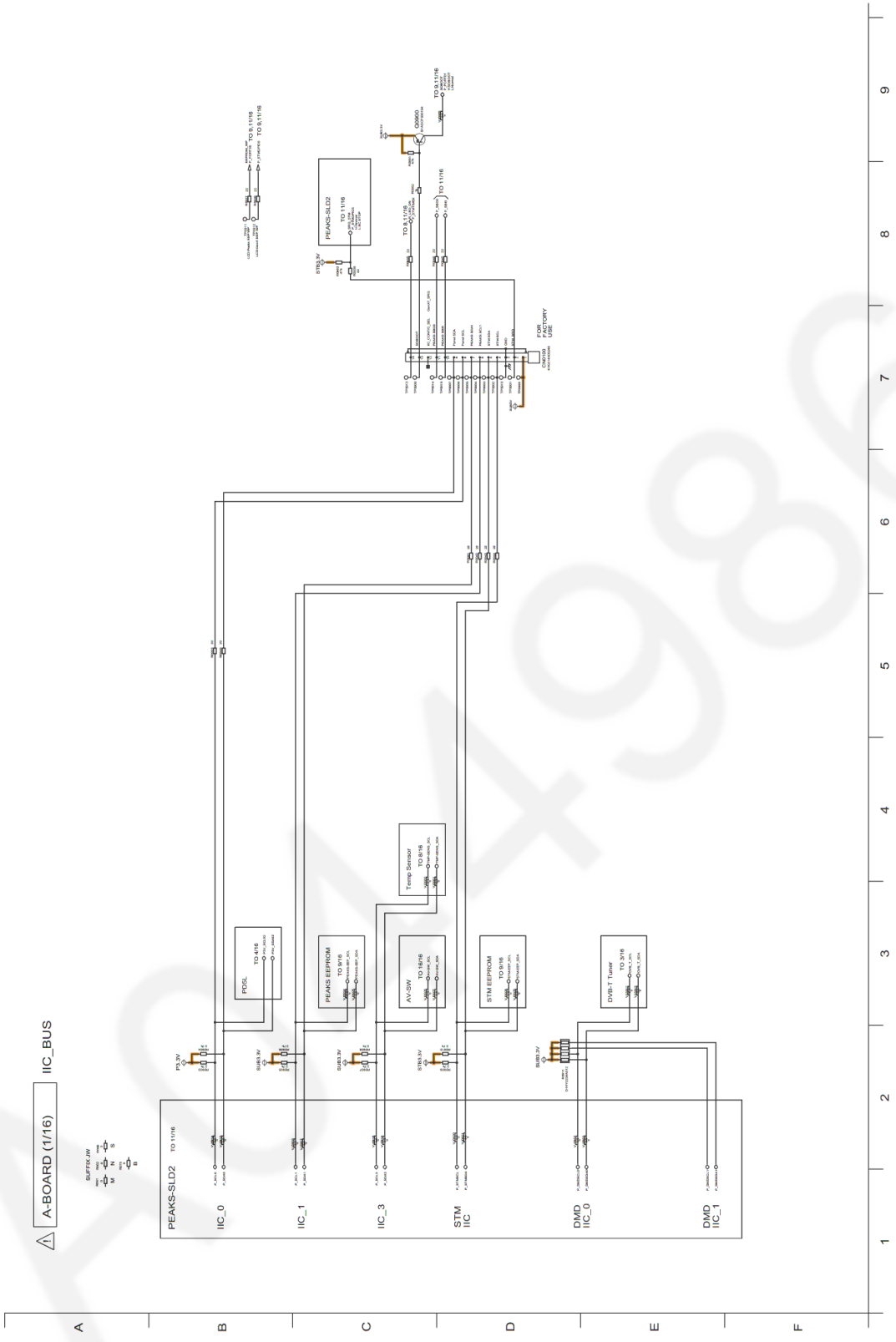
2. Capacitor

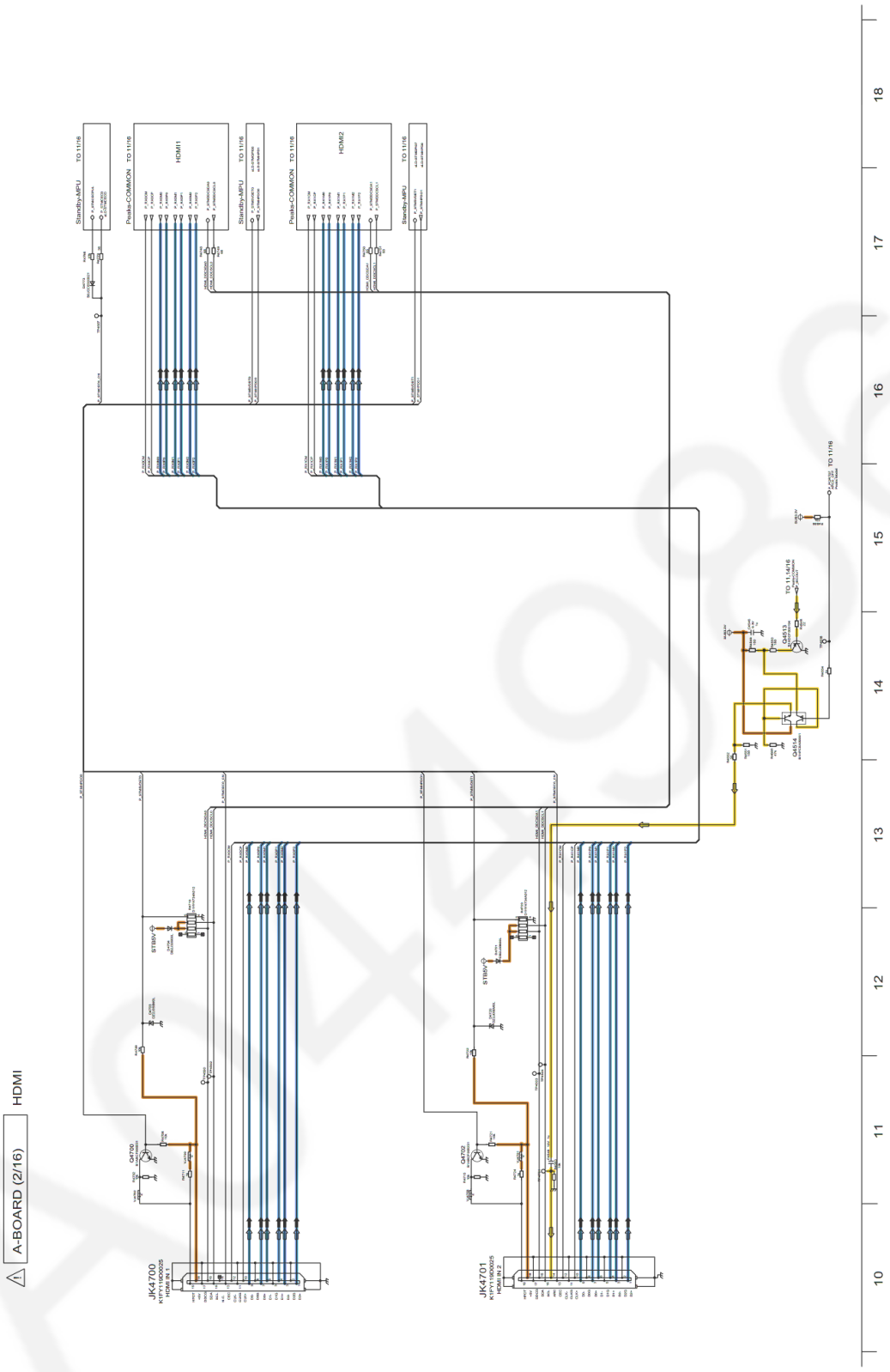
Example:

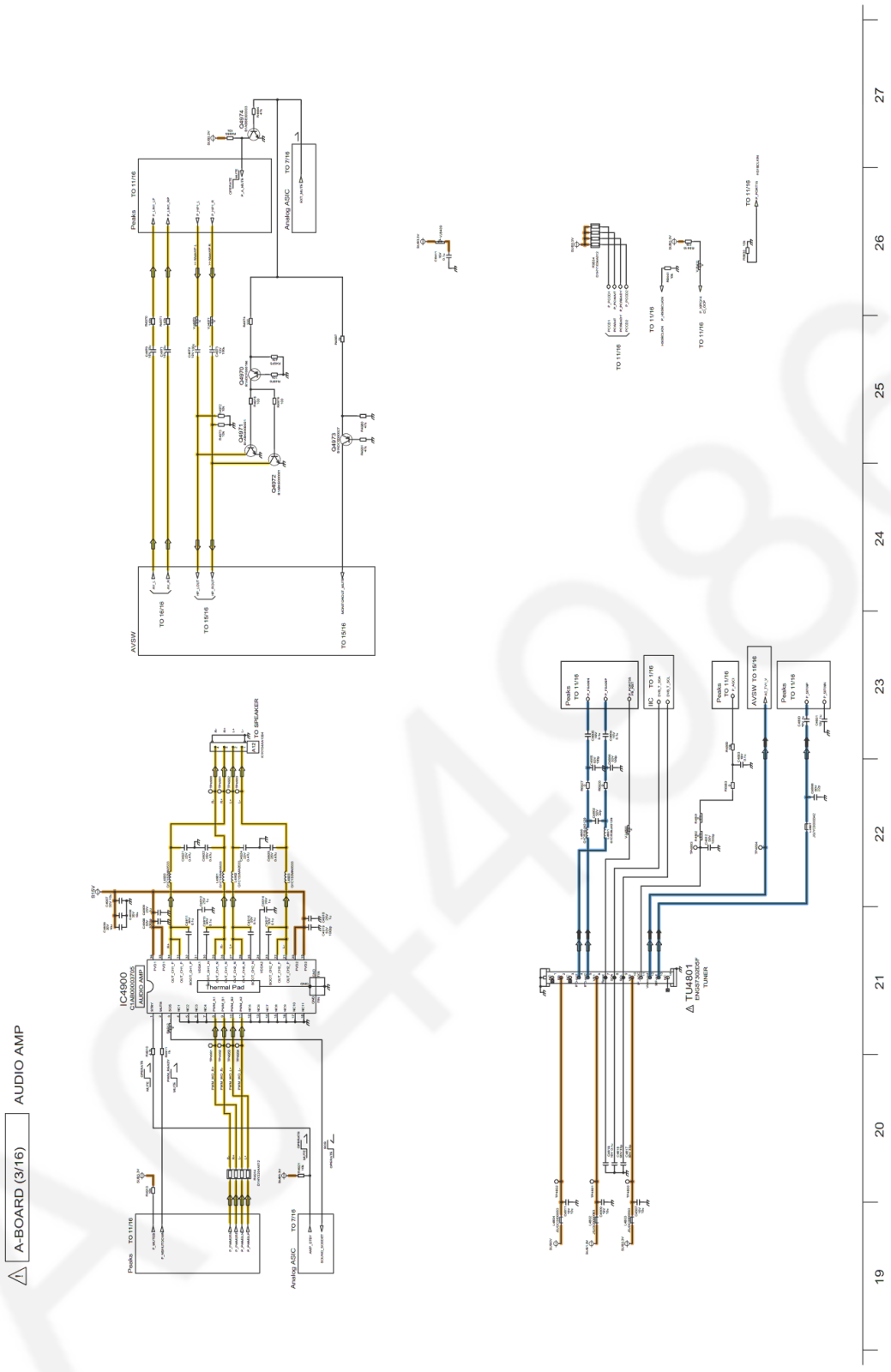
ECKF1H103ZF C 0.01UF, Z, 50V
Type Allowance

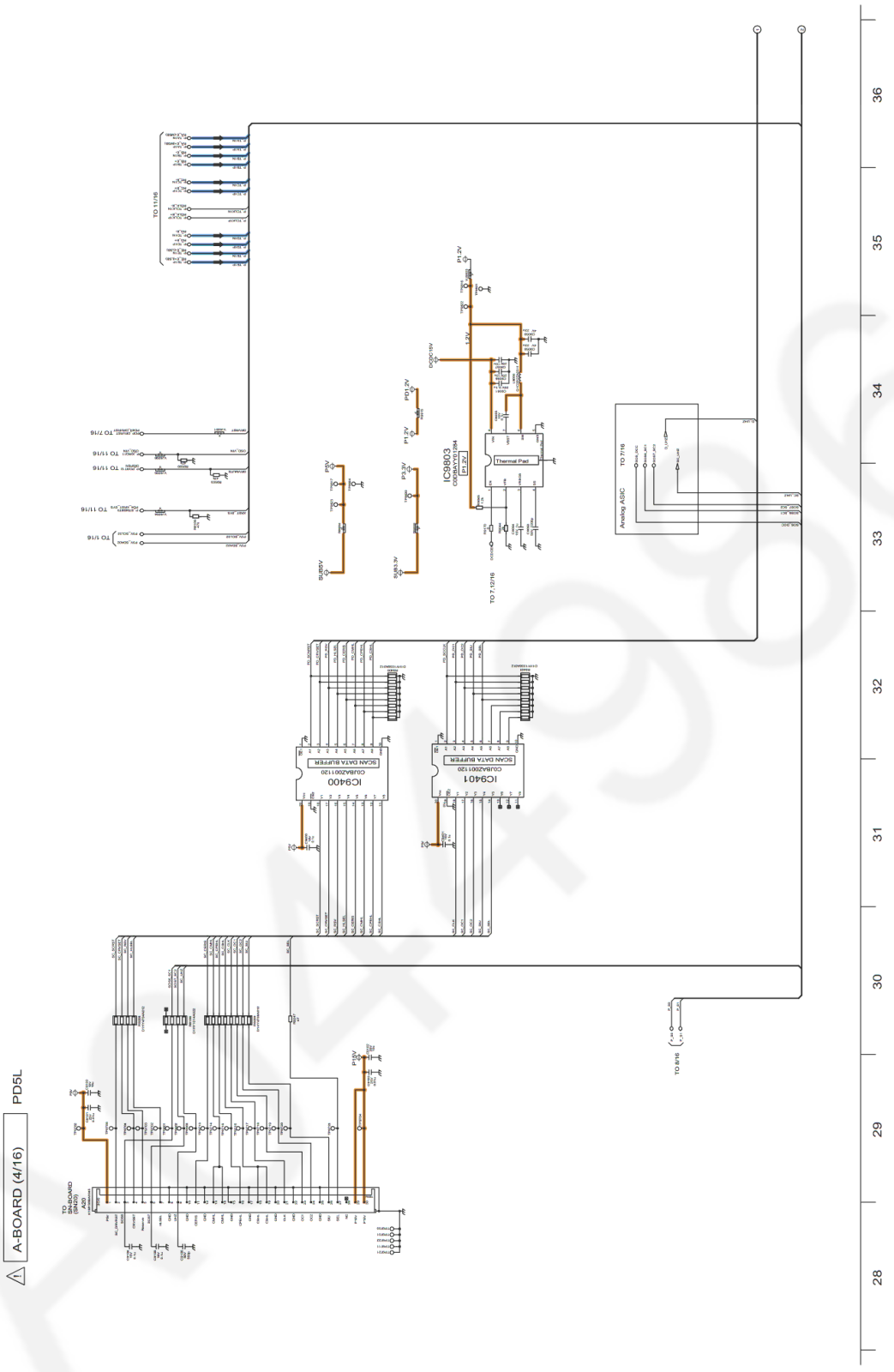
Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide Metal FIlm	J : ±5%
	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

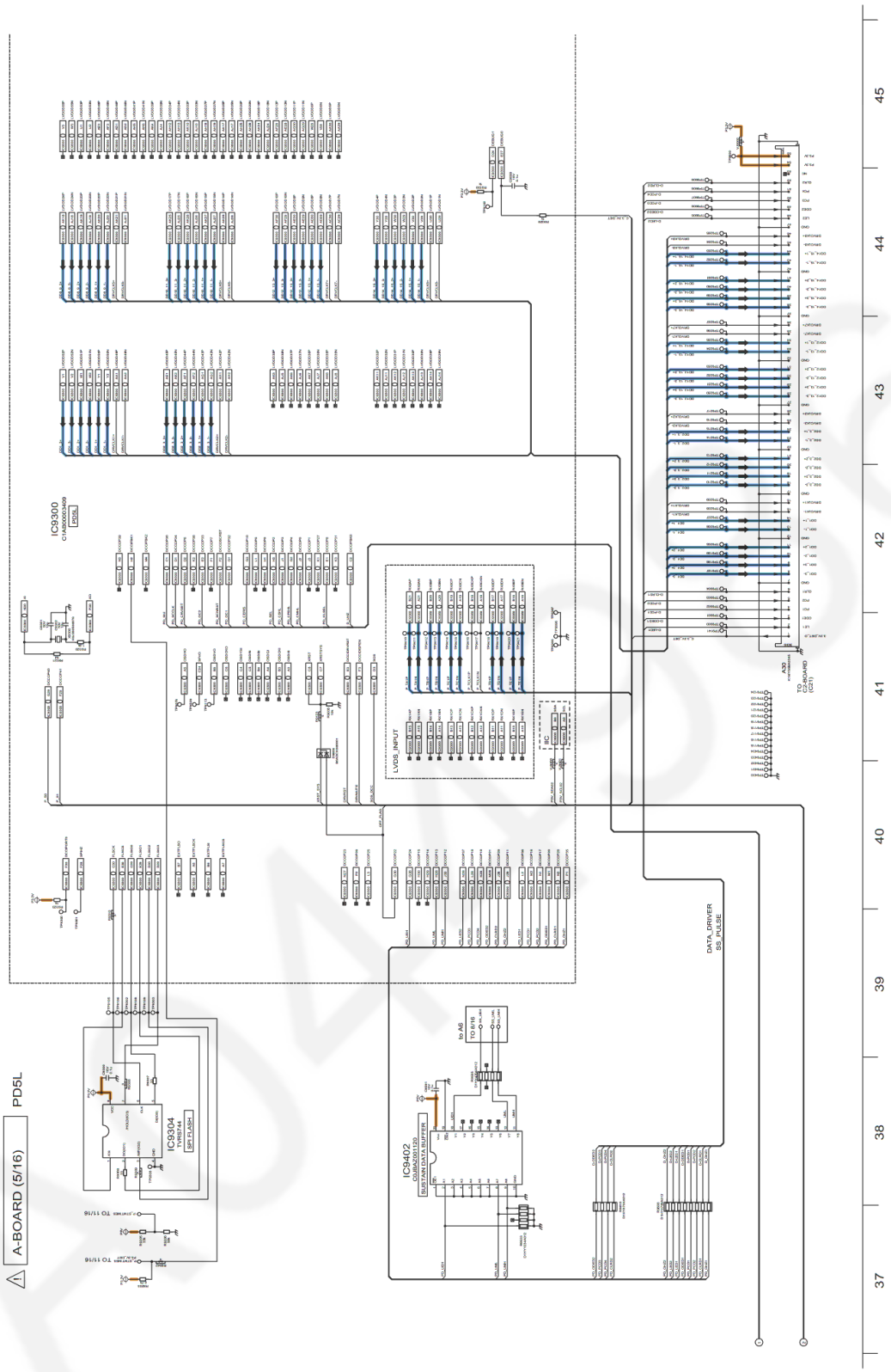
Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester Polyprop lene	F : ±1pF
	G : ±3pF
	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

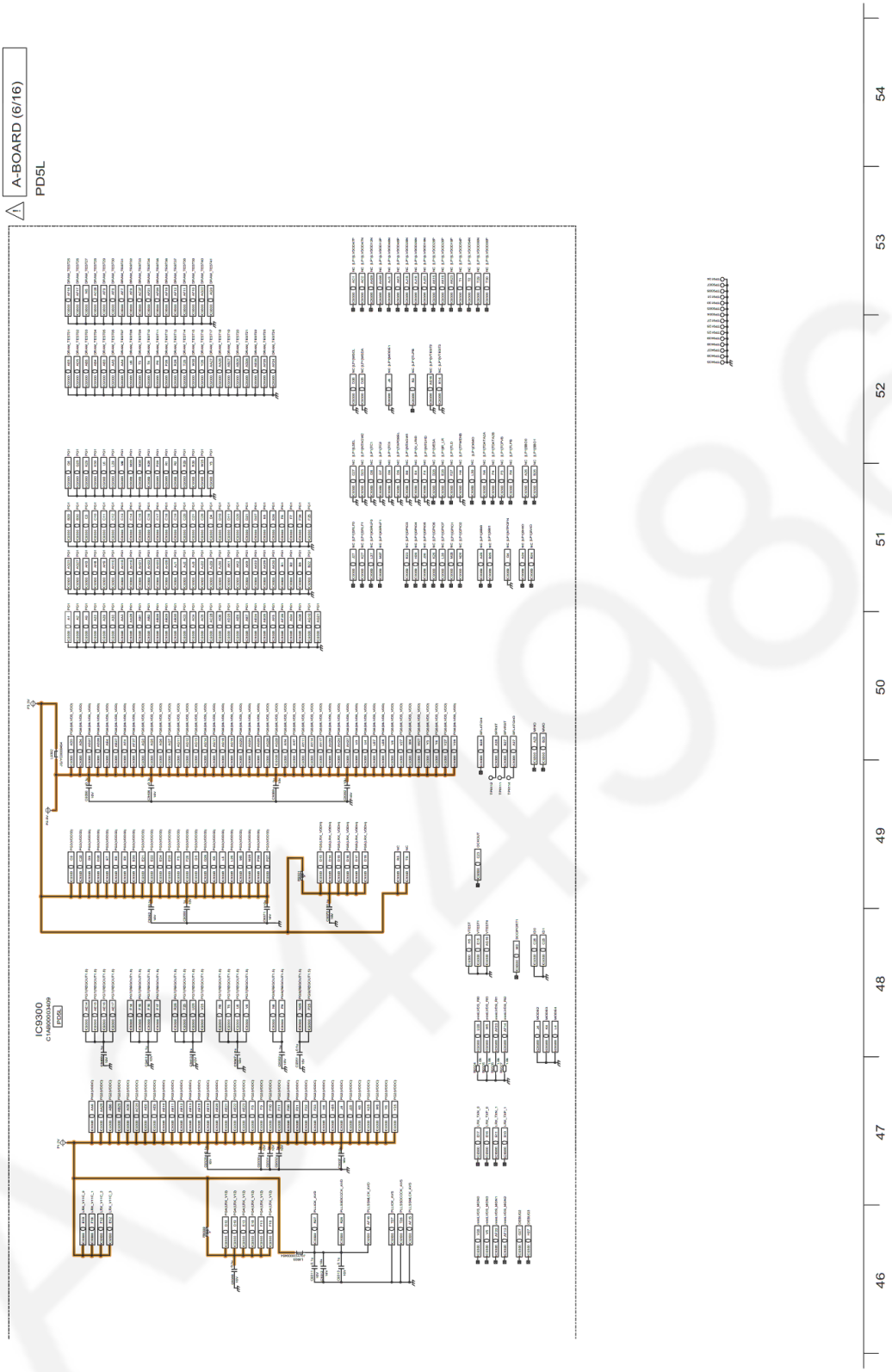

A-BOARD (1/16)
IIC_BUS
PEAKS-SLD2
IIC_0
IIC_1
IIC_3
STM IIC
DMD IIC_0
DMD IIC_1
POSL
PEAKS EEPROM
AV-SW
Temp Sensor
STM EEPROM
DVB-T Tuner
FOR FACTORY USE

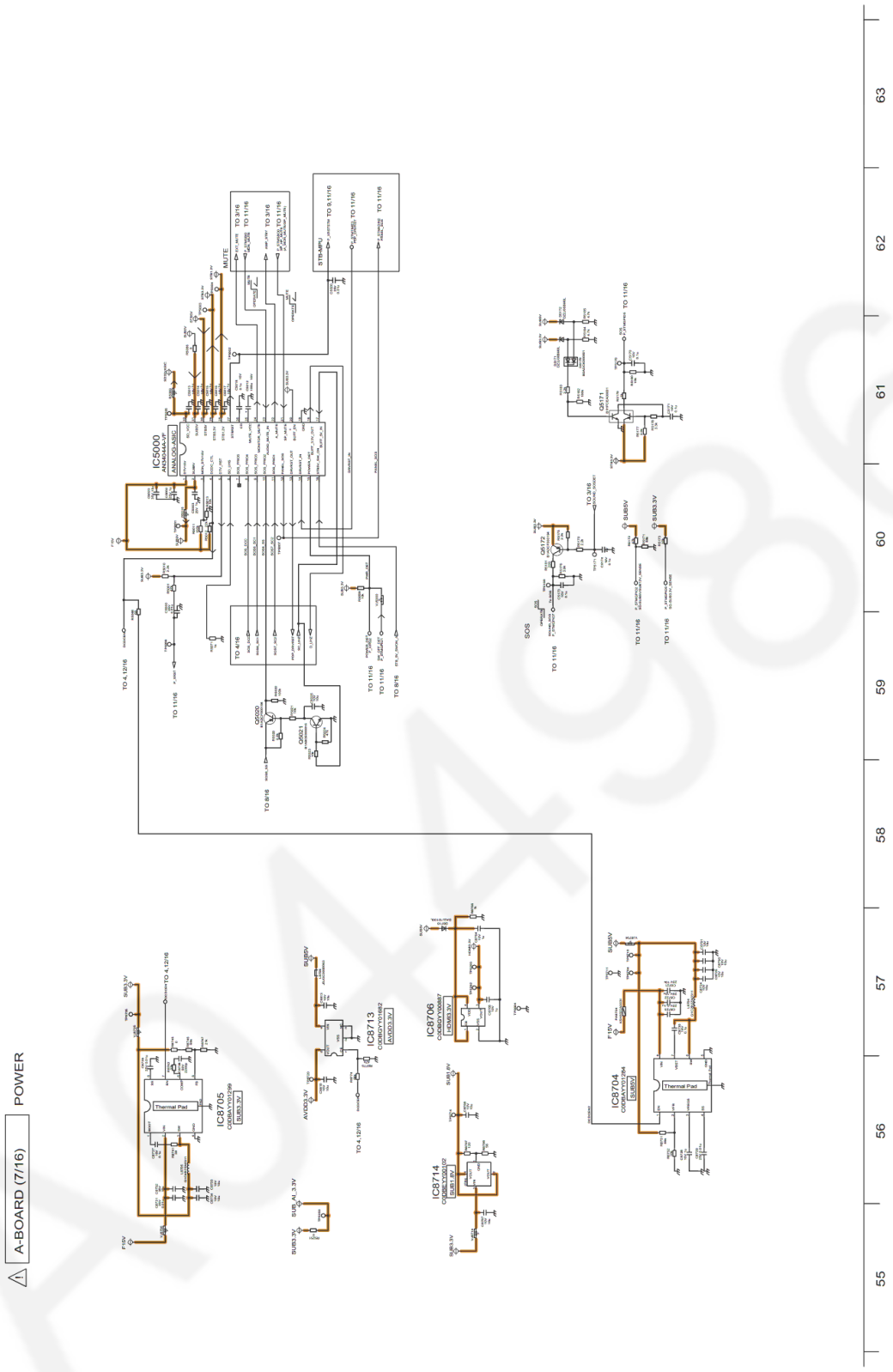

A-BOARD (2/16)
HDMI
JK4700
JK4701
HDMI1
HDMI2
Standby-MPU
Peaks-COMMON
STBBV
10
11
12
13
14
15
16
17
18

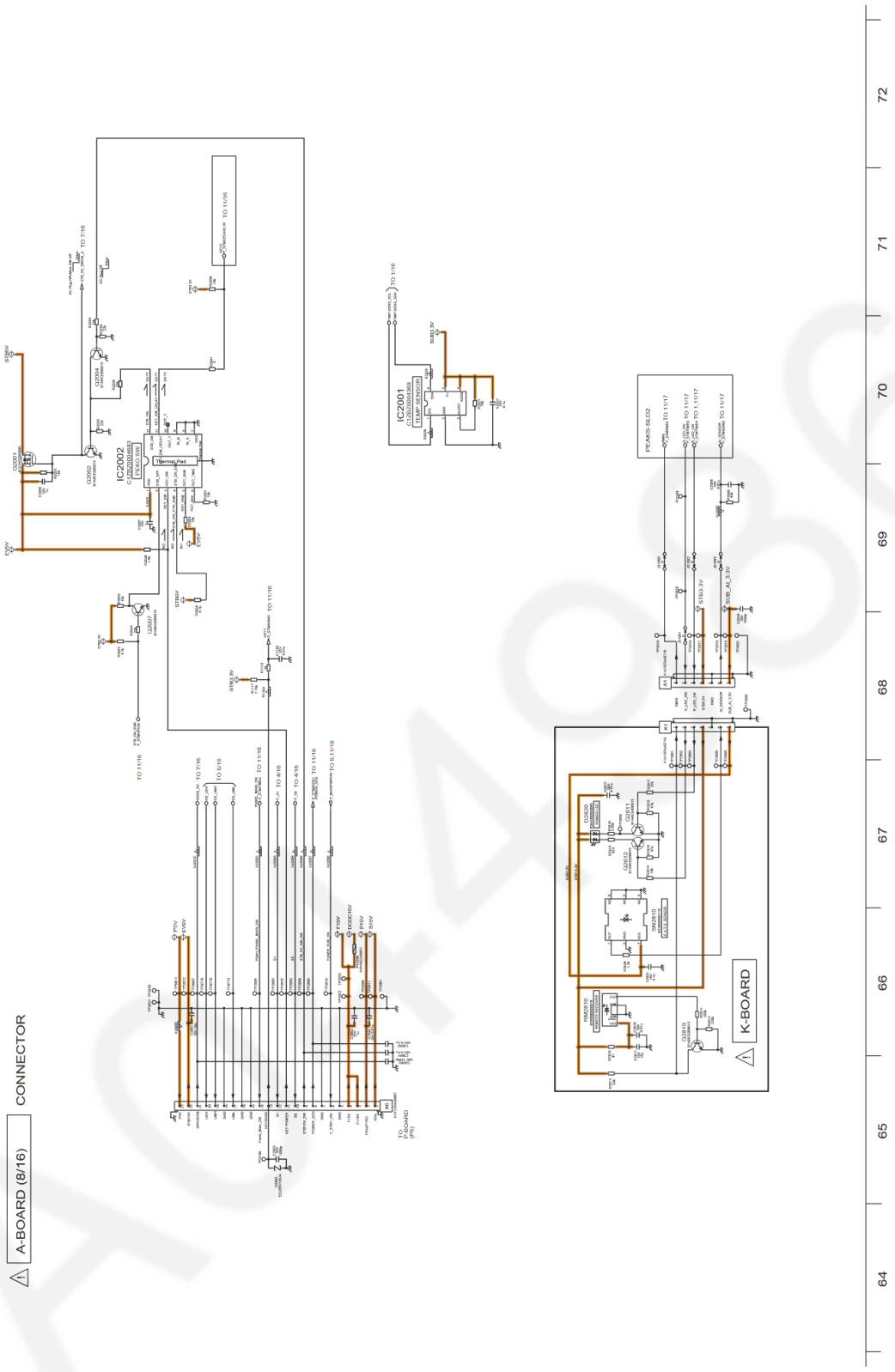

A-BOARD (3/16)
AUDIO AMP
IC4900
CLAMP6003705
AUDIO AMP
Thermal Pad
TO SPEAKER
AVSW
Analog ASIC
Peaks
TO 11/16
TO 7/16
TO 15/16
TO 16/16
TU4801
TUNER
AVSW TO 15/16
19
20
21
22
23
24
25
26
27

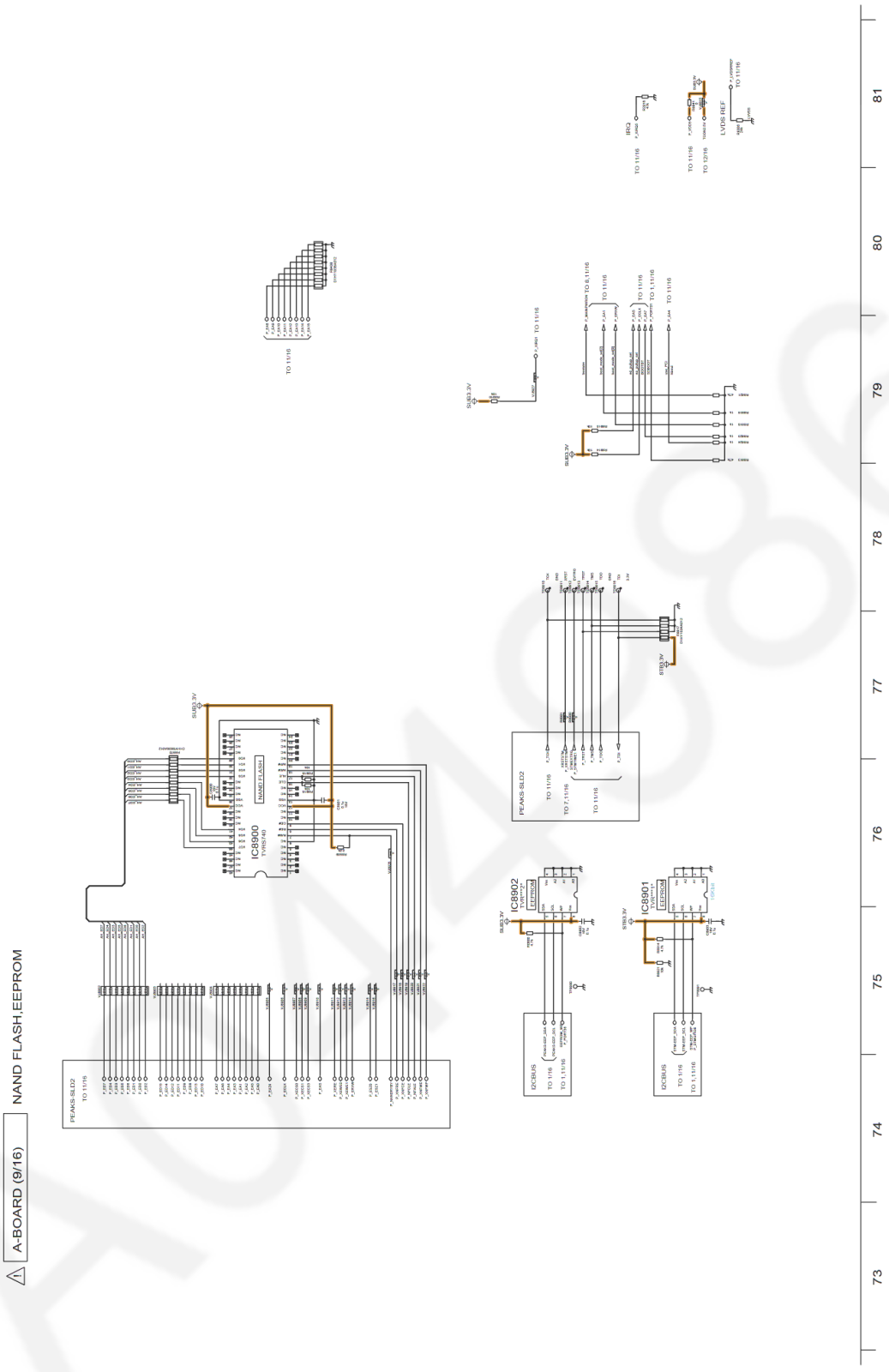

A-BOARD (4/16)
PD5L
IC9400
SCAN DATA BUFFER
IC9401
SCAN DATA BUFFER
IC9803
Thermal Pad
Analog ASIC
TO 11/16
TO 7/16
TO 7,12/16
TO 8/16
28
29
30
31
32
33
34
35
36

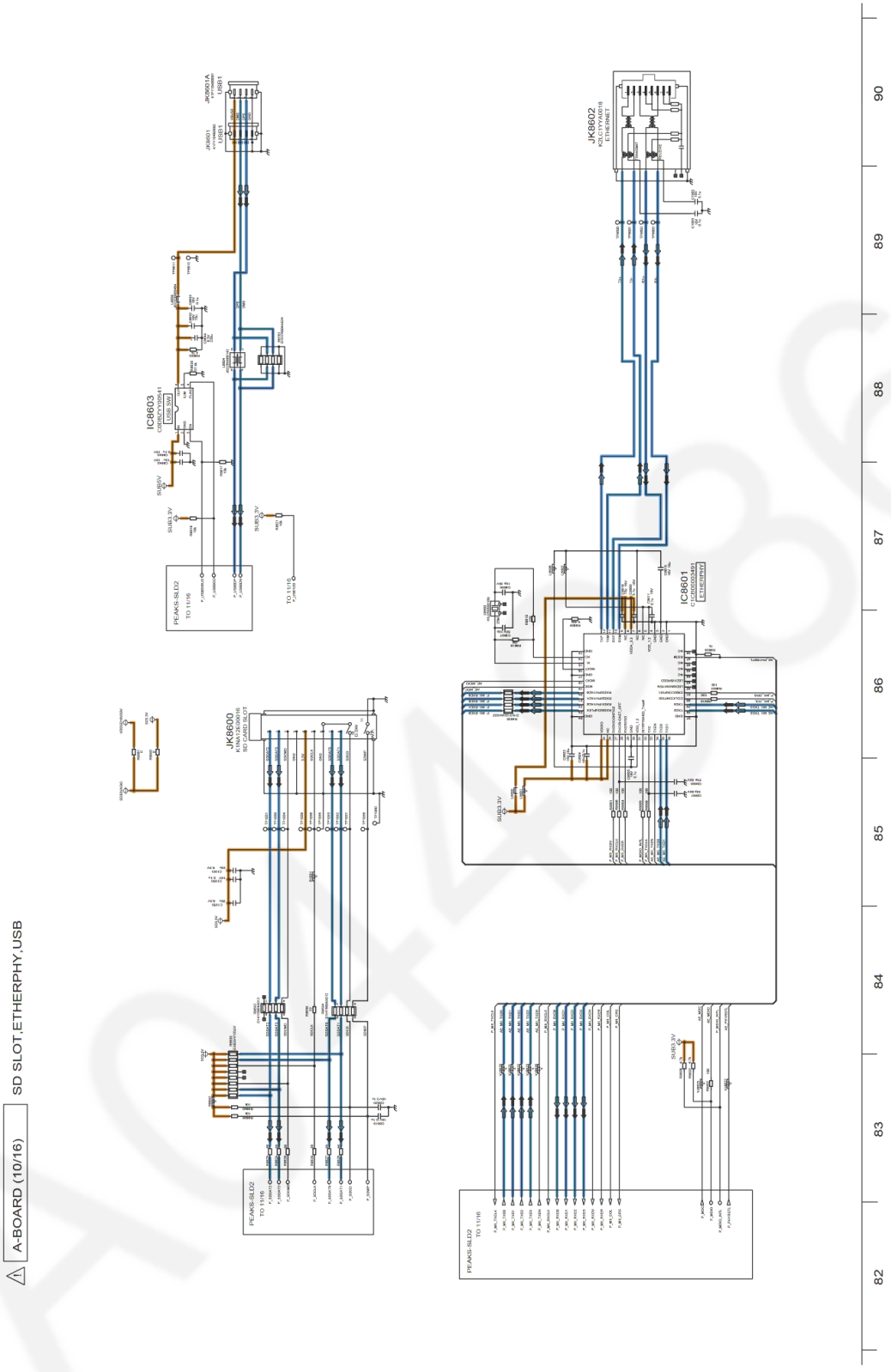

A-BOARD (5/16)
PD5L
IC9300
IC9304
IC9402
LVDS_INPUT
I2C
DATA_DRIVER
SS_PULSE
45
44
43
42
41
40
39
38
37

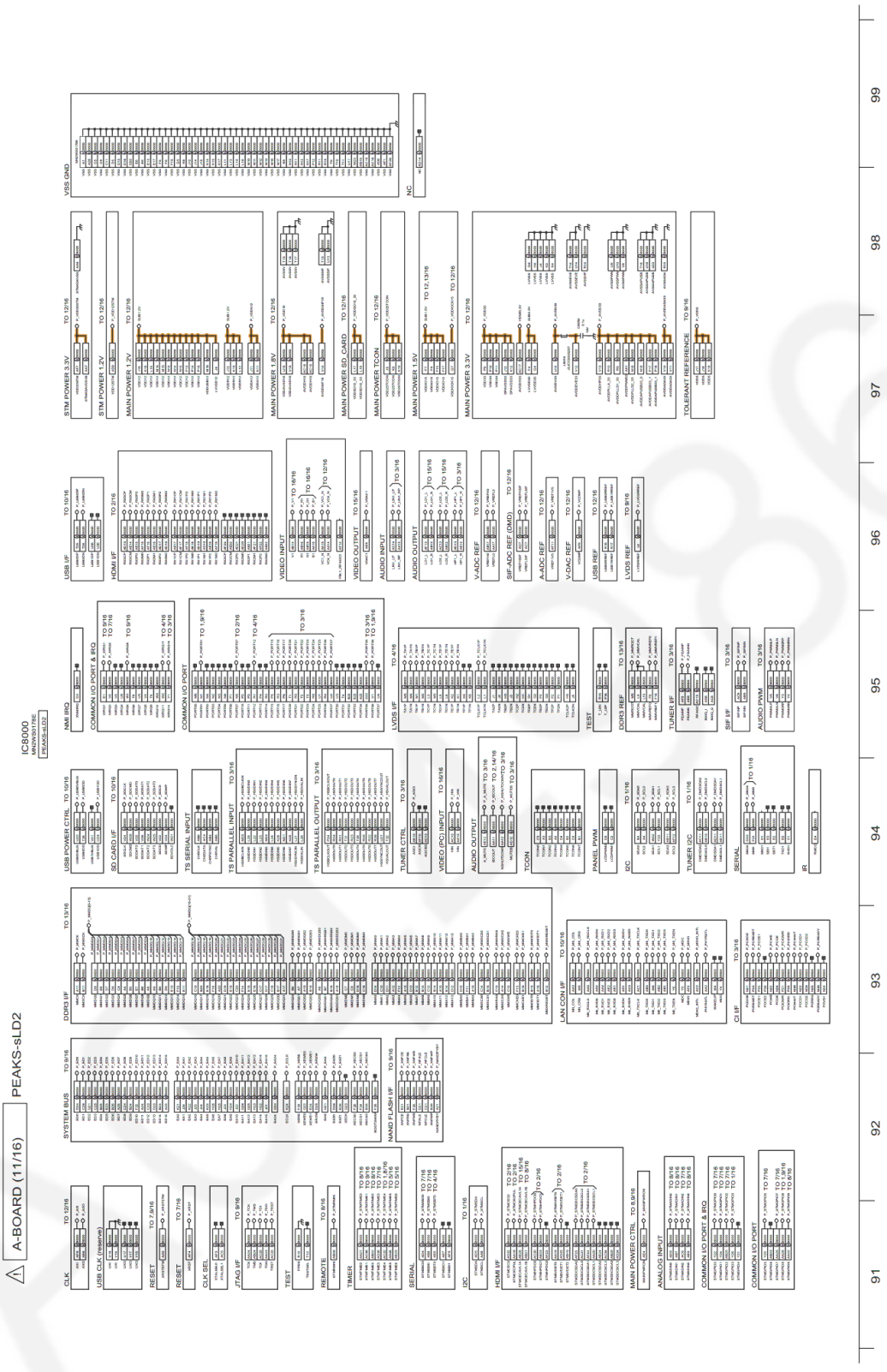

A-BOARD (6/16)
PD5L
IC9300
P56
46
47
48
49
50
51
52
53
54

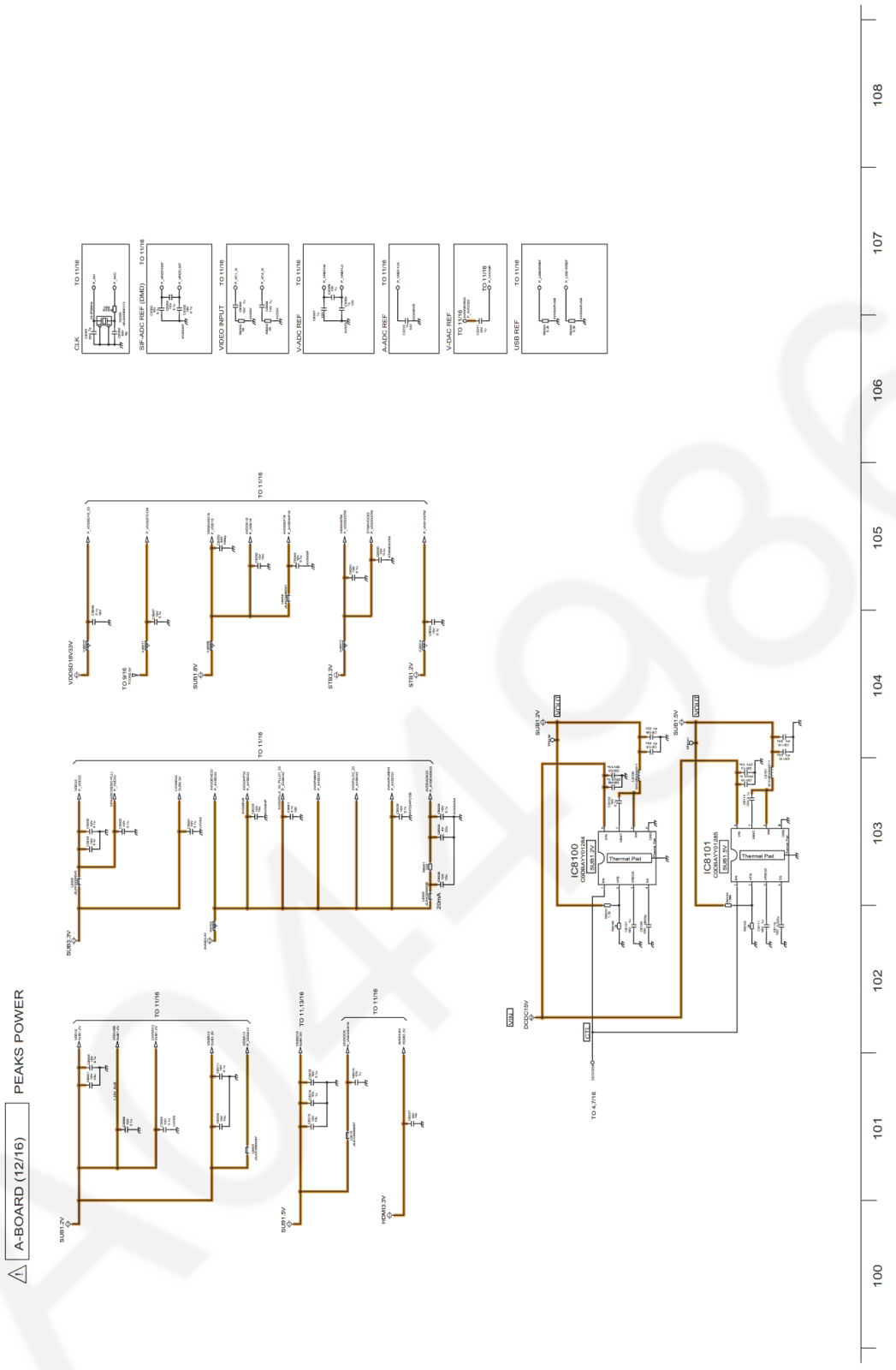

A-BOARD (7/16)
POWER
IC5000
AN34445A-P
MUTE
STB-MPU
IC8705
IC8706
IC8704
IC8713
IC8714
Thermal Pad
55
56
57
58
59
60
61
62
63

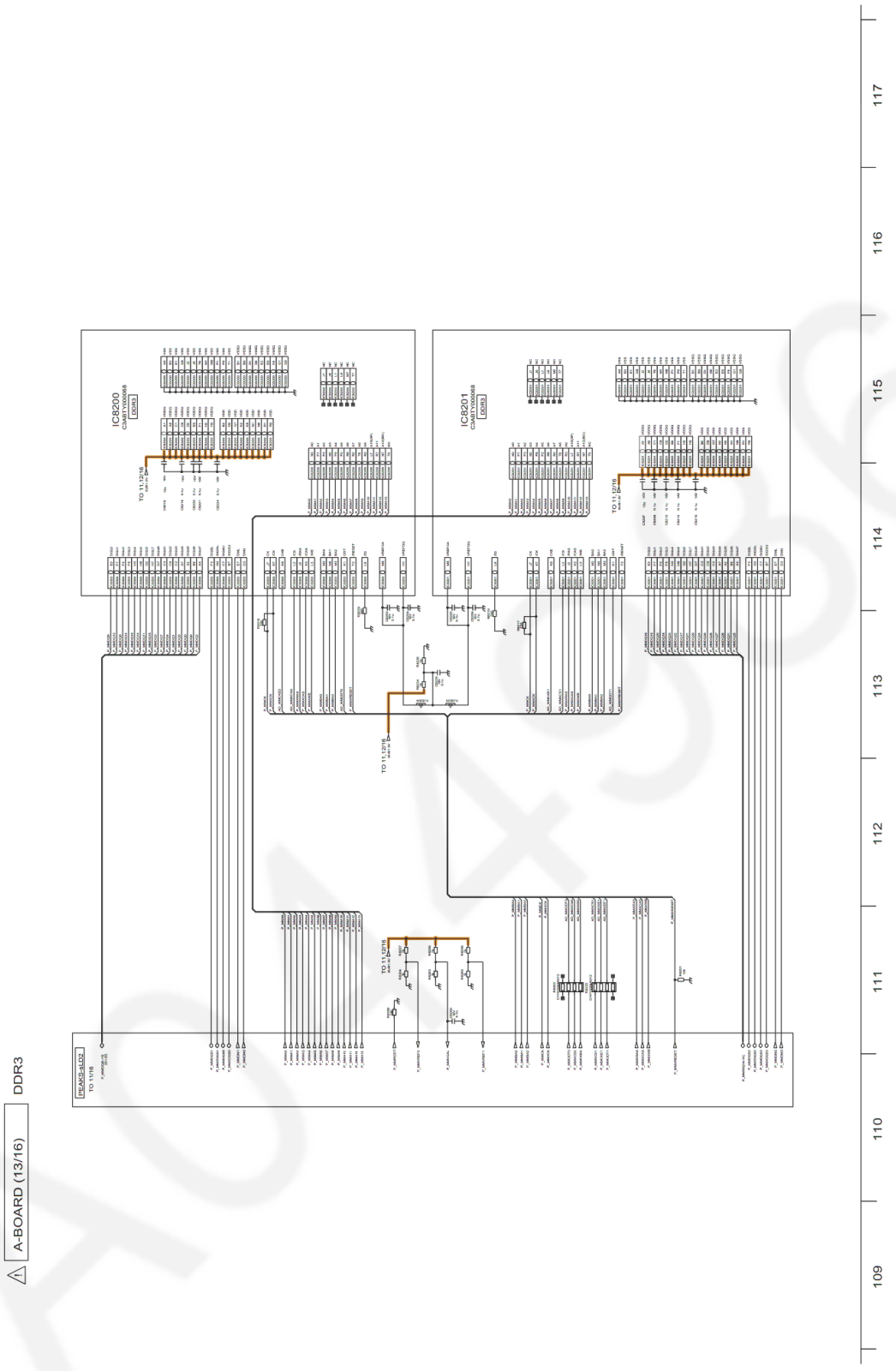

A-BOARD (8/16)
CONNECTOR
K-BOARD
IC2002
IC2001
Thermal Pad
PEAKS-SL02
64
65
66
67
68
69
70
71
72

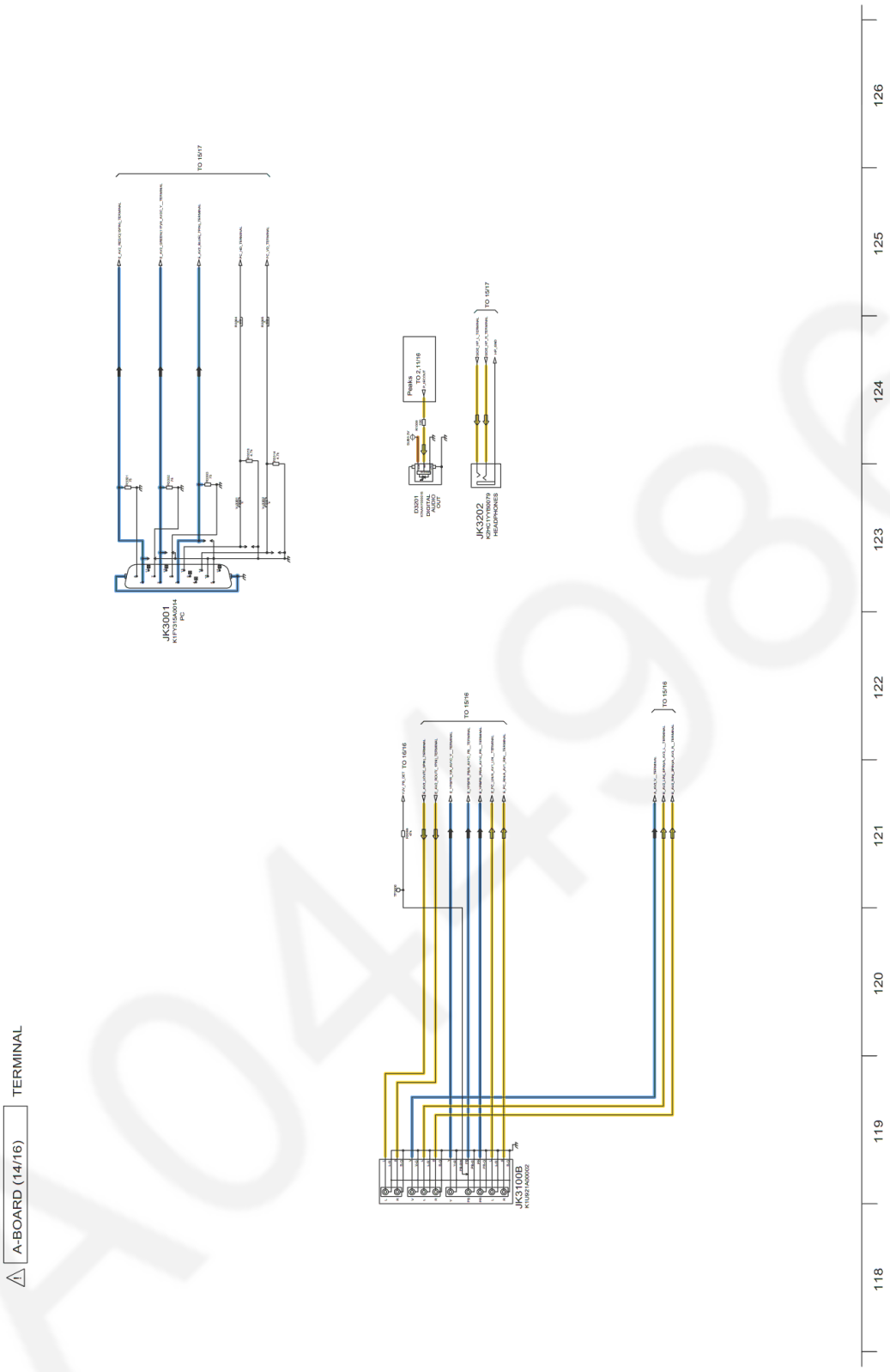

A-BOARD (9/16)
NAND FLASH,EEPROM
IC8900
NAND FLASH
IC8902
IC8901
PEAKS-SLD2
I2CBUS
LVDS REF
73
74
75
76
77
78
79
80
81

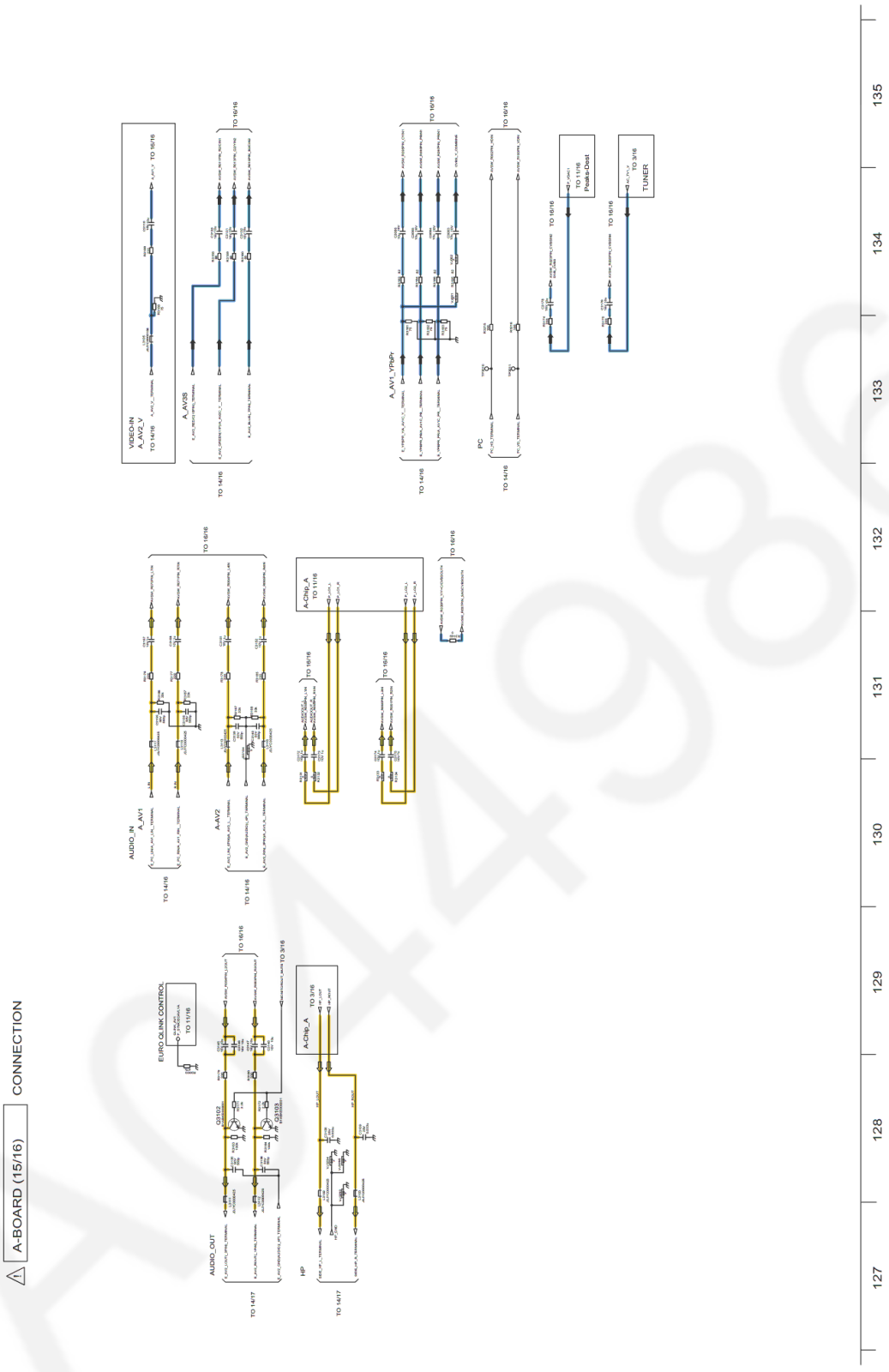

A-BOARD (10/16)
SD SLOT,ETHERPHY,USB
JK8602
IC8601
IC8603
JK8600
PEAKS-SLD2
TO 11/16
SUB3.3V
SUB5V
82
83
84
85
86
87
88
89
90

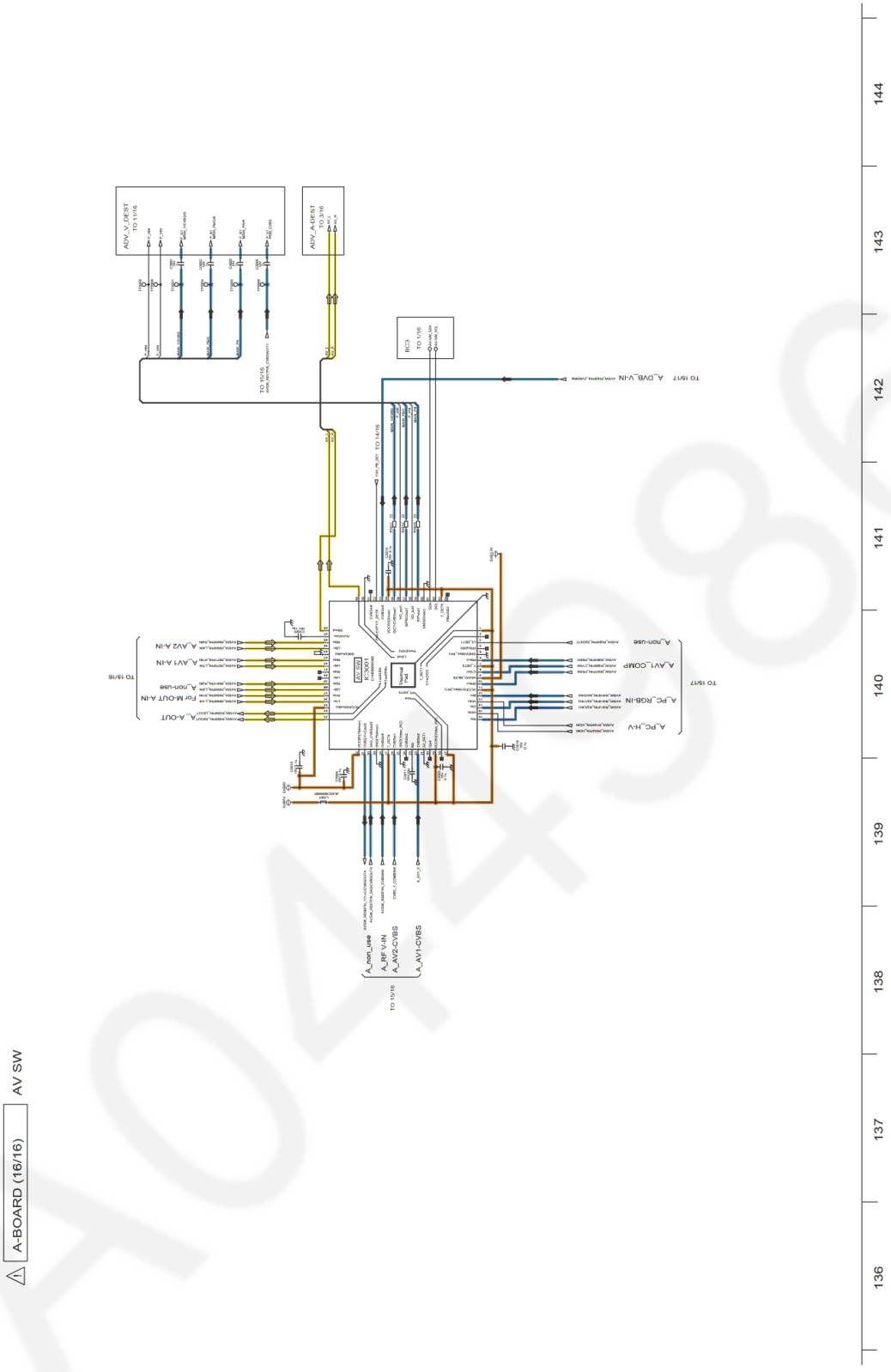

A-BOARD (11/16)
PEAKS-sLD2
IC8000
MN2WS0174E
PEAKS-sLD2
CLK
SYSTEM BUS
DDR3 I/F
USB POWER CTRL
SD CARD I/F
TS SERIAL INPUT
TS PARALLEL INPUT
TS PARALLEL OUTPUT
TUNER CTRL
VIDEO (PO) INPUT
AUDIO OUTPUT
TCON
PANEL PWM
I2C
LAN CON I/F
NMI IRQ
COMMON I/O PORT & IRQ
COMMON I/O PORT
LVDS I/F
TEST
DDR3 REF
TUNER I/F
SIF I/F
AUDIO PWM
SERIAL
IR
USB I/F
HDMI I/F
VIDEO INPUT
VIDEO OUTPUT
AUDIO INPUT
AUDIO OUTPUT
V-ADC REF
SIF-ADC REF (DMD)
A-ADC REF
V-DAC REF
USB REF
LVDS REF
STM POWER 3.3V
STM POWER 1.2V
MAIN POWER 1.2V
MAIN POWER SD_CARD
MAIN POWER TCON
MAIN POWER 1.5V
MAIN POWER 3.3V
TOLERANT REFERENCE
VSS GND
NC
CLK
USB CLK (reserve)
RESET
RESET
CLK SEL
JTAG I/F
TEST
REMOTE
TIMER
SERIAL
I2C
HDMI I/F
MAIN POWER CTRL
ANALOG INPUT
COMMON I/O PORT & IRQ
COMMON I/O PORT
NAND FLASH I/F
OI I/F
NOT VARIATION
91
92
93
94
95
96
97
98
99

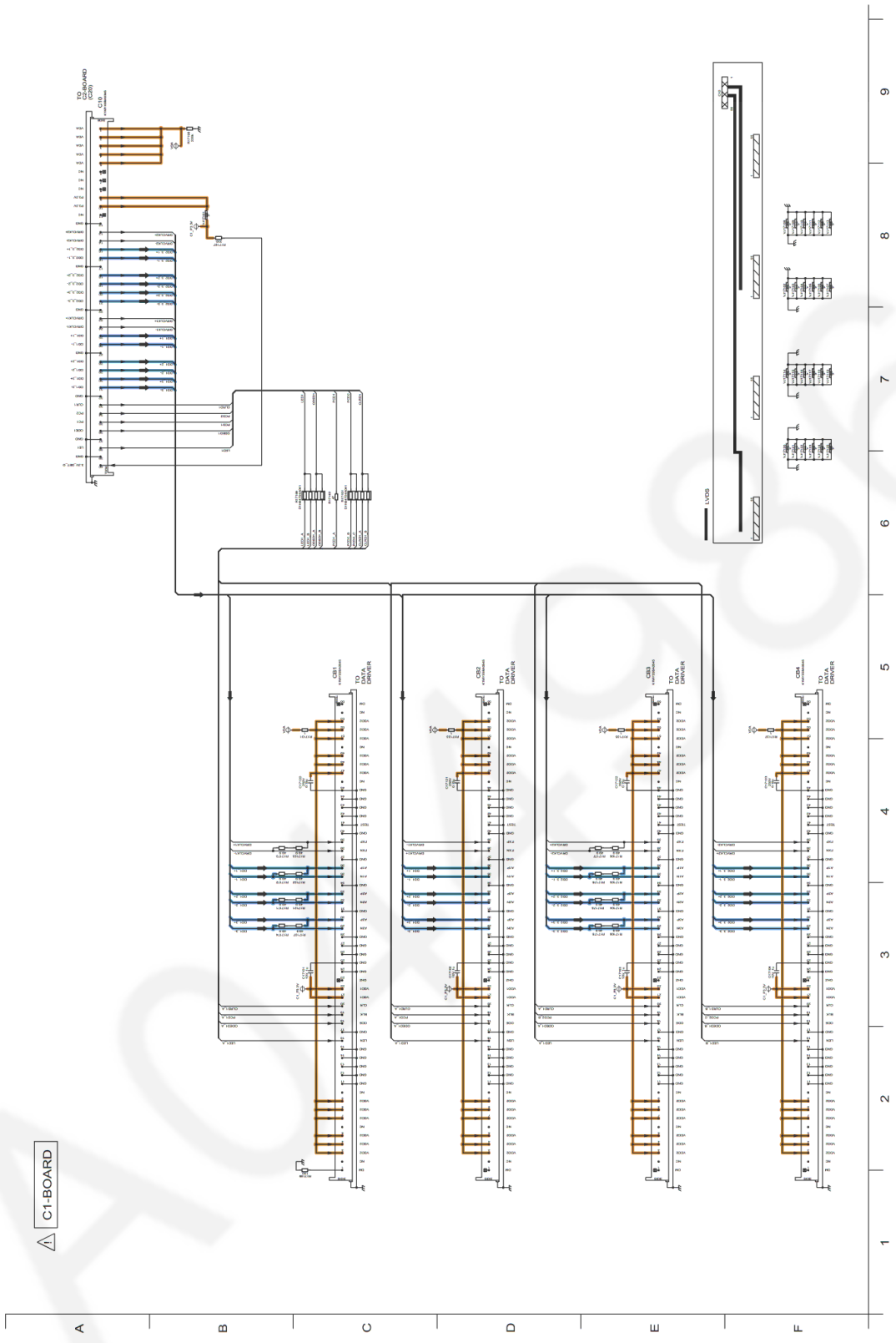

A-BOARD (12/16)
PEAKS POWER
CLK
SIF-ADC REF (DMD)
VIDEO INPUT
V-ADC REF
A-ADC REF
V-DAC REF
USB REF
IC8100
IC8101
Thermal Pad
100
101
102
103
104
105
106
107
108

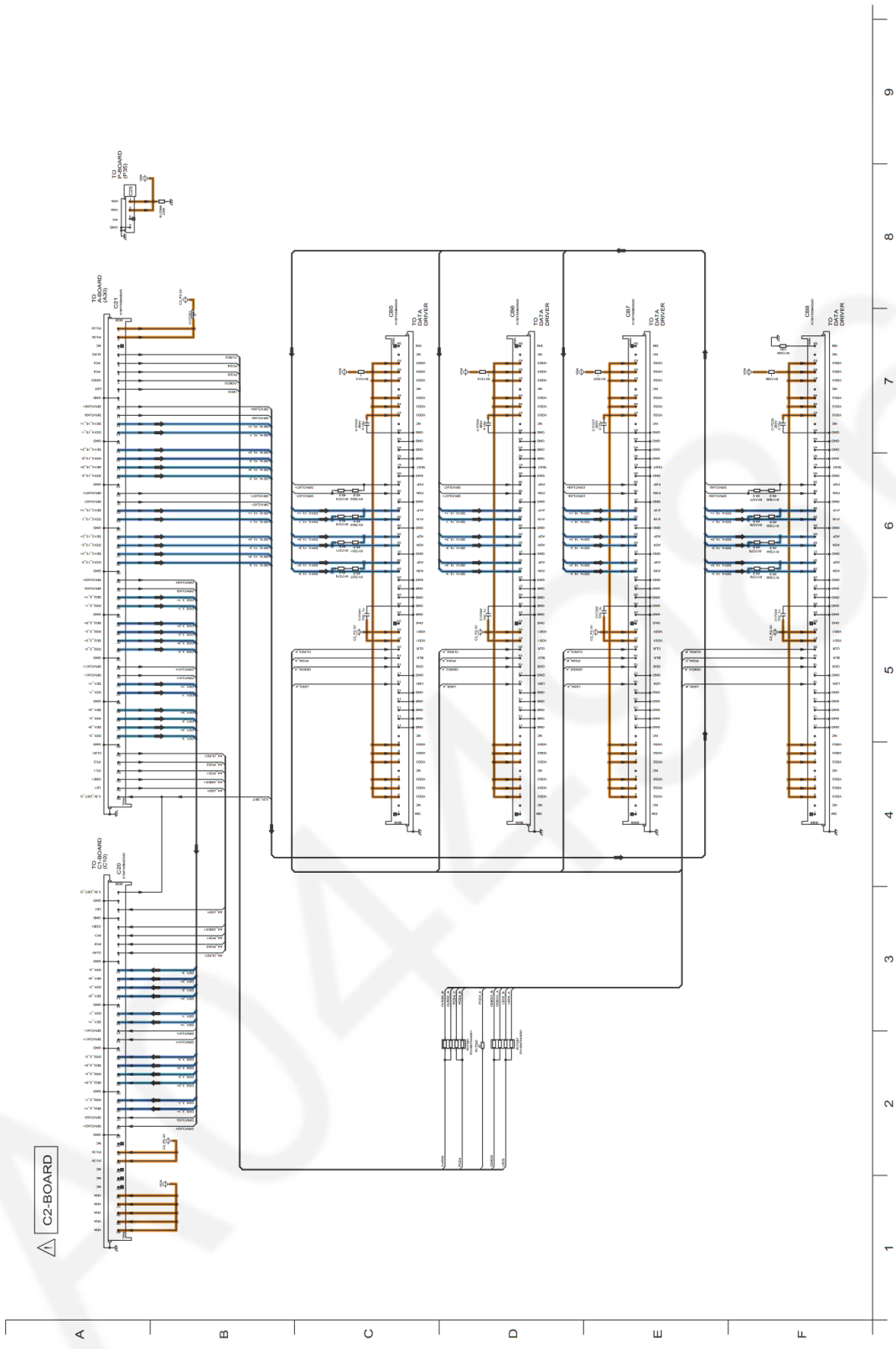

A-BOARD (13/16)
DDR3
IC8200
IC8201
TO 11/16
TO 11/12/16
109
110
111
112
113
114
115
116
117


A-BOARD (14/16) TERMINAL
JK3001
JK3202
JK3100B
TO 15/17
TO 15/16
TO 2.1/16
Peaks
126
125
124
123
122
121
120
119
118

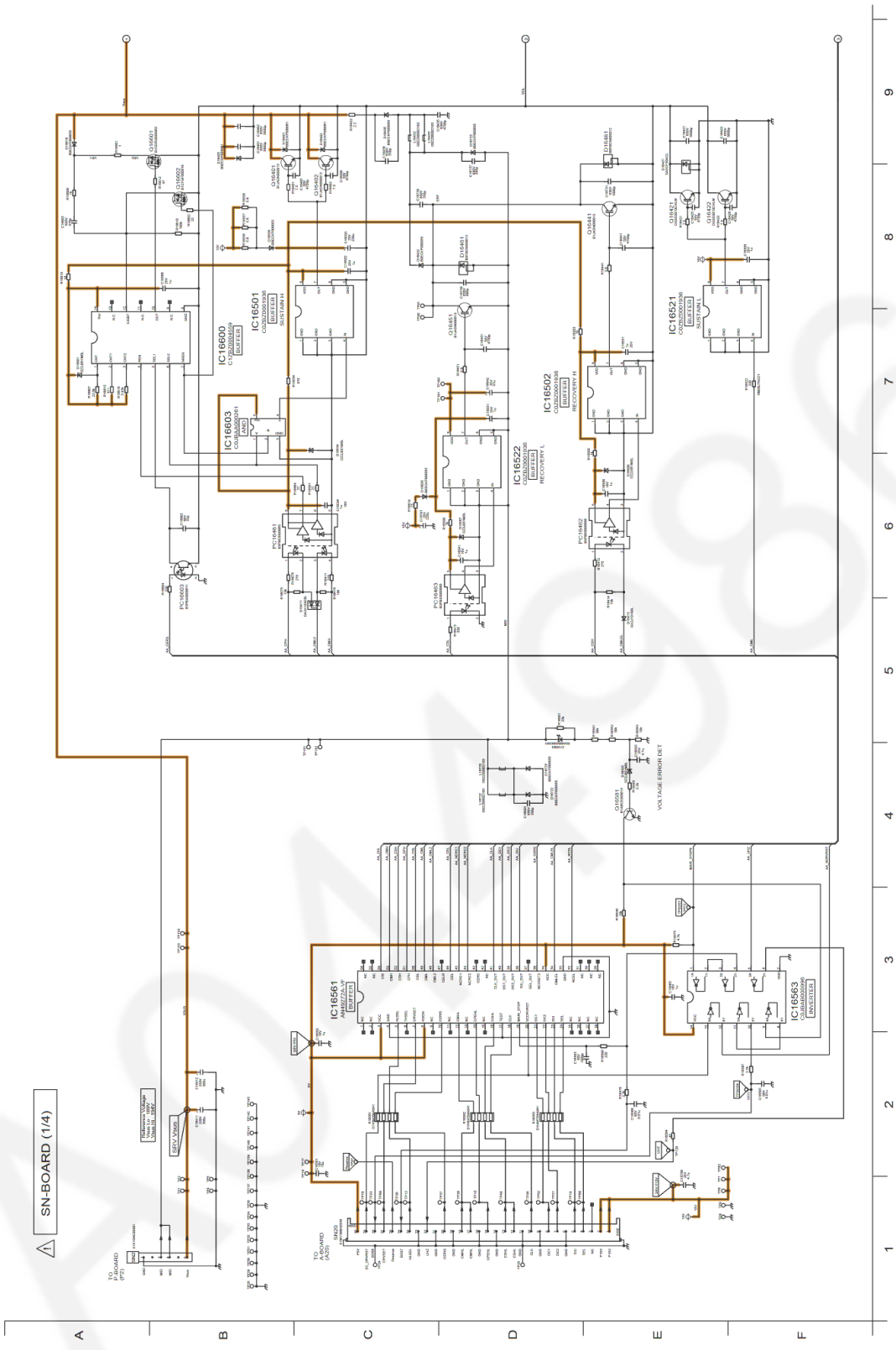

A-BOARD (15/16) CONNECTION
127
128
129
130
131
132
133
134
135
VIDEO-IN
A_AV2_V
TO 14/16
TO 16/16
A_AV3S
TO 14/16
TO 16/16
A_AV1_YPbPr
TO 14/16
TO 16/16
PC
TO 14/16
TO 16/16
TO 16/16
Peaks-Dsat
TO 16/16
TO 3/16
TUNER
AUDIO_IN
A_AV1
TO 14/16
TO 16/16
A-AV2
TO 14/16
TO 16/16
A-Chip_A
TO 11/16
TO 16/16
TO 16/16
EURO GLINK CONTROL
TO 11/16
TO 16/16
TO 3/16
AUDIO_OUT
TO 14/17
HP
A-Chip_A
TO 3/16
TO 14/17

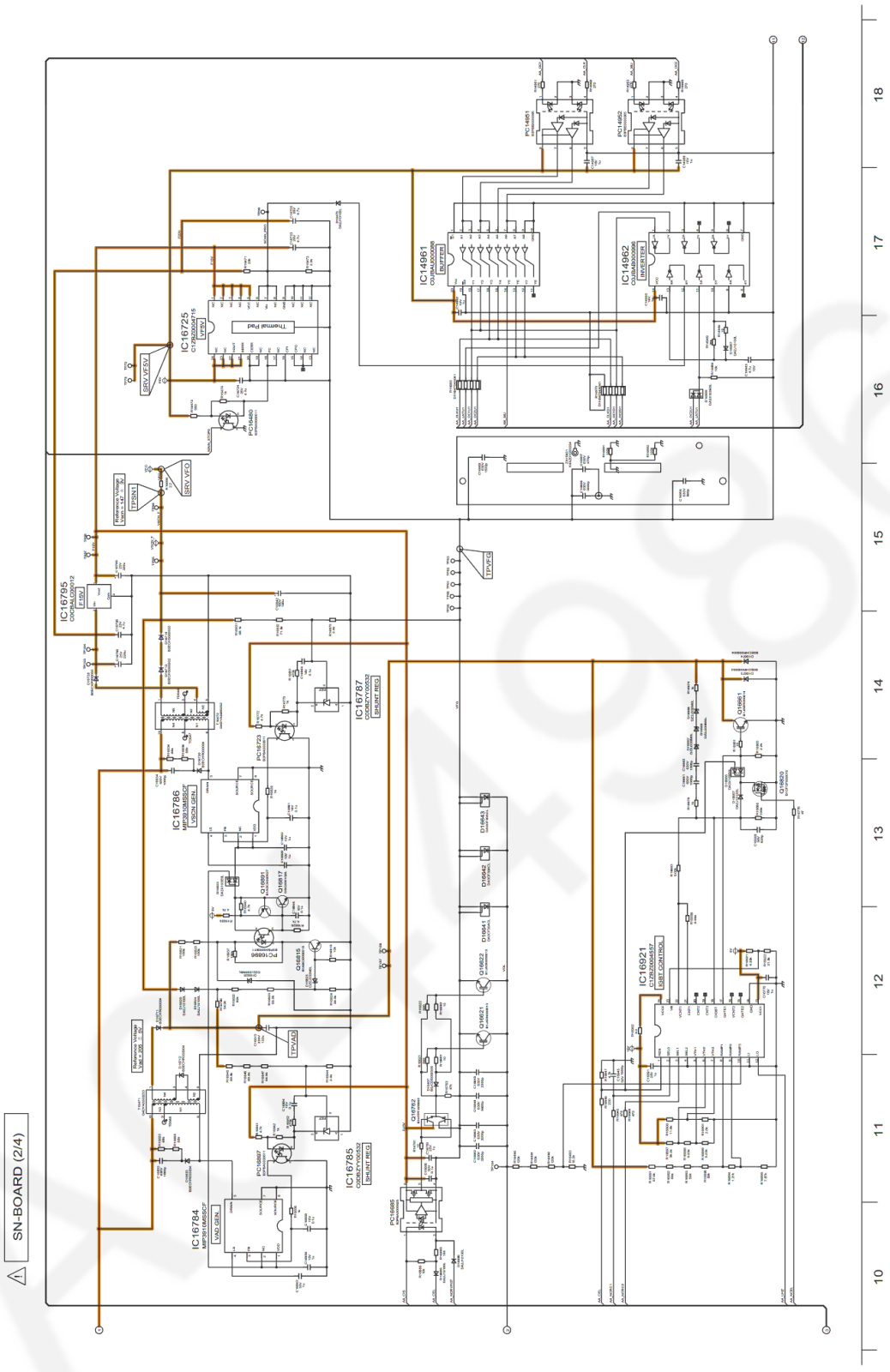

A-BOARD (16/16)
AV SW
ADV_V_DEST
TO 11/16
ADV_A-DEST
TO 3/16
IIC3
TO 1/16
TO 15/17
A_DVB_V-IN
TO 14/16
IC3001
A_non-use
A_RF V-IN
A_AV2-CVBS
A_AV1-CVBS
TO 15/16
A_AV2 A-IN
A_AV1 A-IN
A_non-use
For M-OUT A-IN
A_A-OUT
A_non-use
A_AV1_COMP
A_PC_RGB-IN
A_PC_H-V
TO 15/17
144
143
142
141
140
139
138
137
136

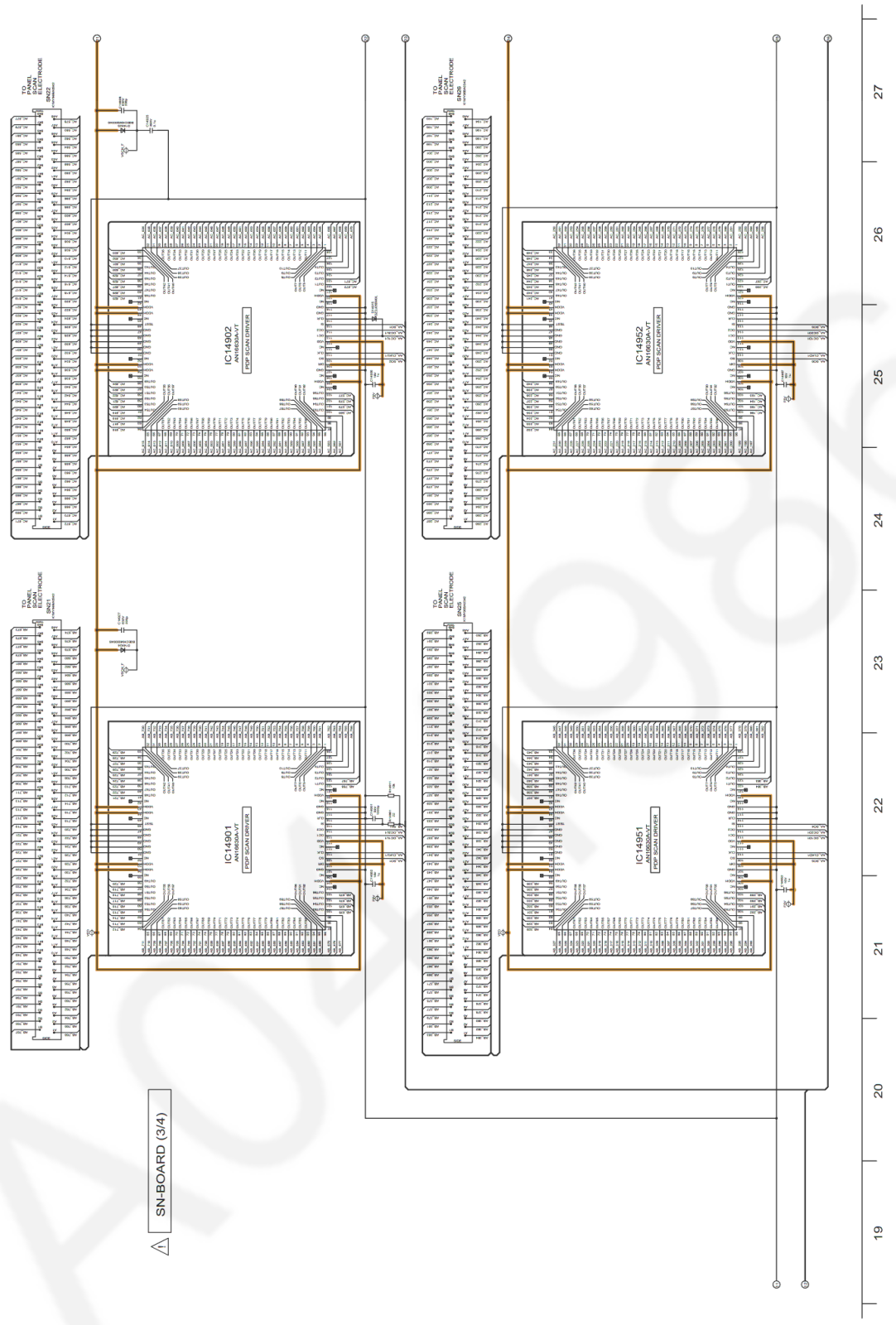

C1-BOARD
LVDS
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

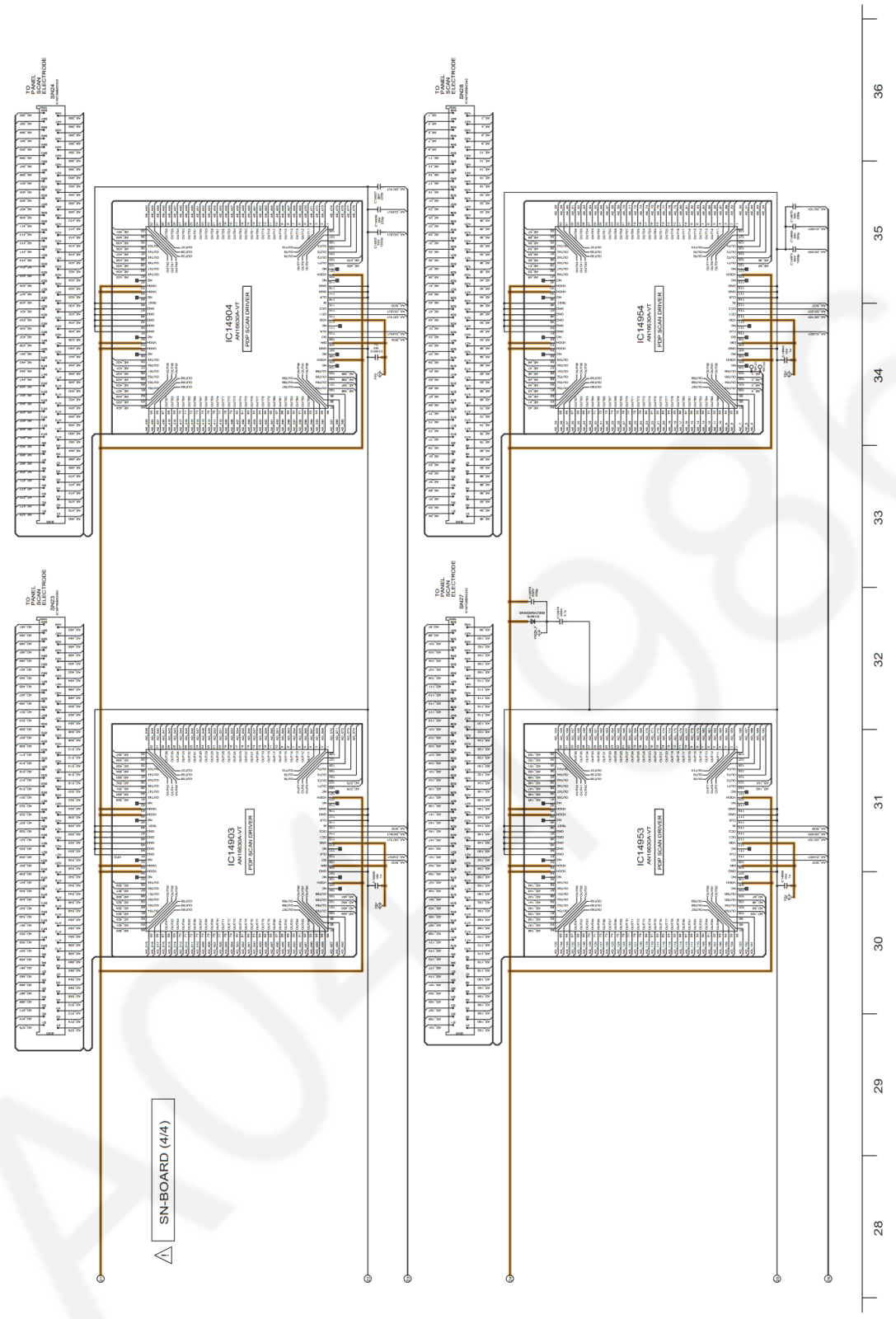

C2-BOARD
TO A-BOARD (A30)
TO P-BOARD (P30)
TO C-BOARD (C10)
TO DATA DRIVER
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

Model No. : TH-P50X50D/G/K/M/P/S/V/Z SN-Board (1/4)

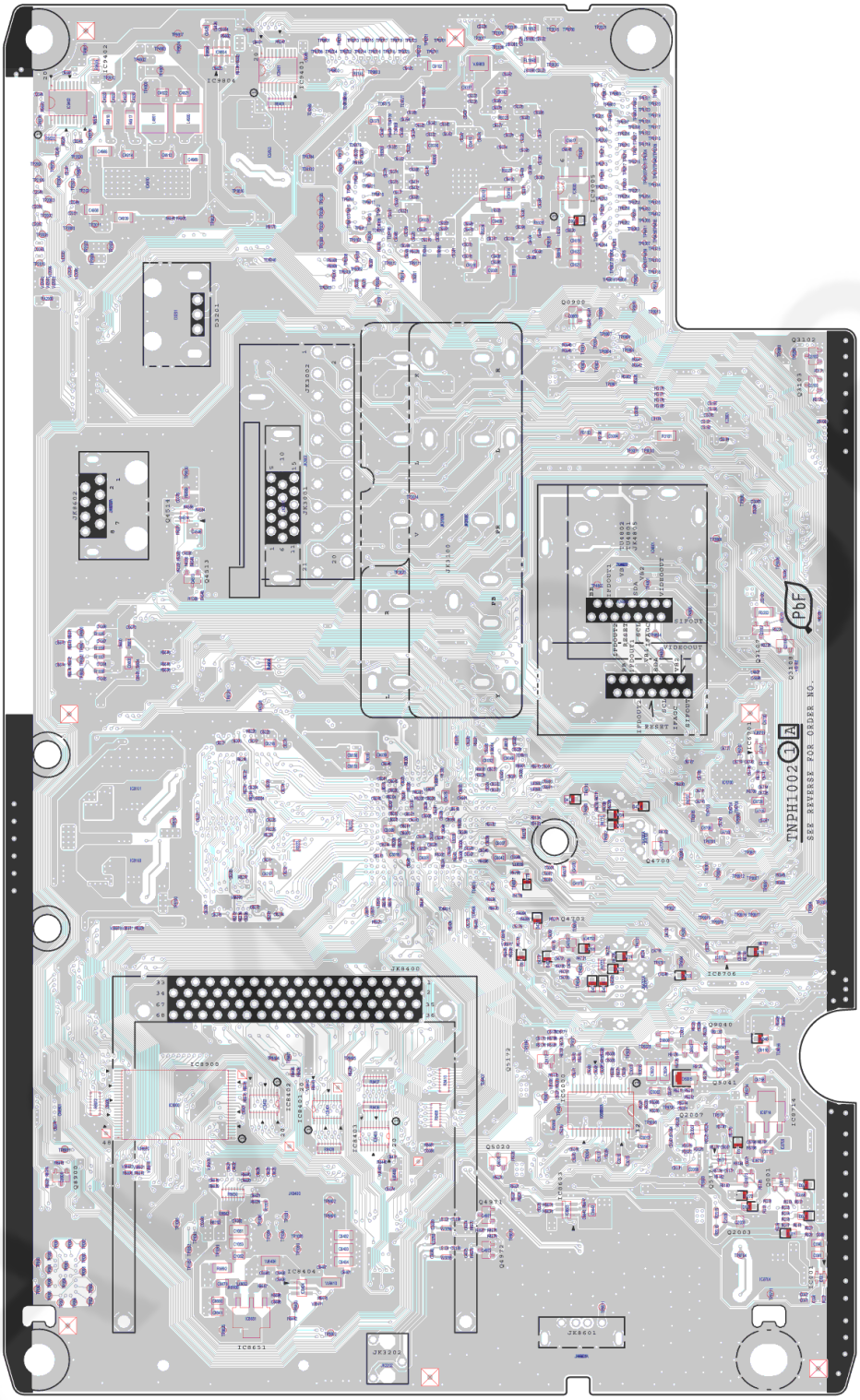



SN-BOARD (2/4)
IC14961
IC14962
IC16725
IC16795
IC16787
IC16786
IC16785
IC16784
IC16921
Thermal Pad
SRV.VF5V
SRV.VF3V
TPVF5
TPVA5
TPXF5
10
11
12
13
14
15
16
17
18

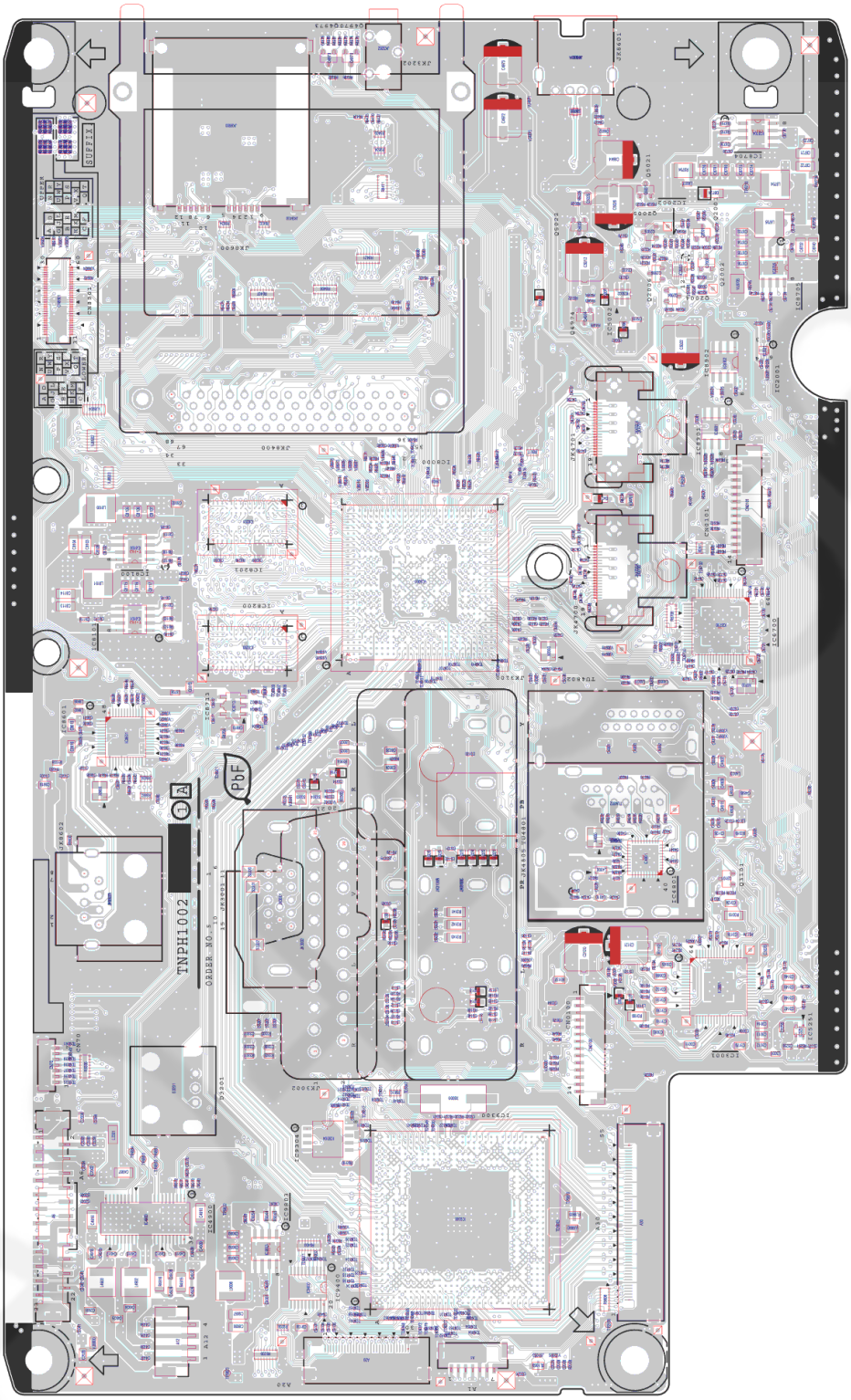

SN-BOARD (3/4)
IC14902
AN16930A-VT
PDP-SCAN DRIVER
IC14952
AN16930A-VT
PDP-SCAN DRIVER
IC14901
AN16930A-VT
PDP-SCAN DRIVER
IC14951
AN16930A-VT
PDP-SCAN DRIVER
TO PANEL SCAN ELECTRODE
SN01
SN02
SN03
SN04
19
20
21
22
23
24
25
26
27

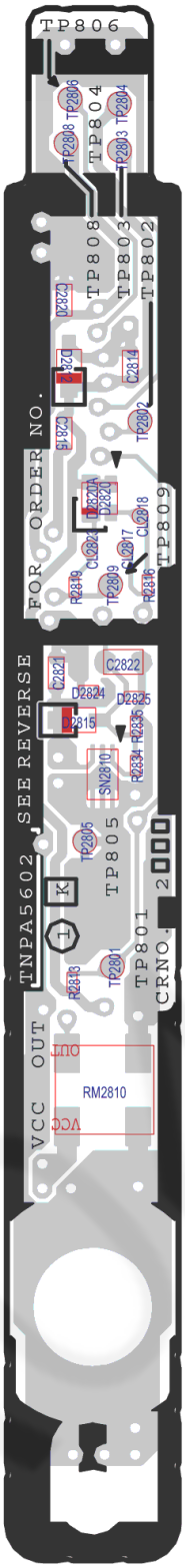

SN-BOARD (4/4)
IC14904
AN16650A-VT
PDP SCAN DRIVER
IC14903
AN16650A-VT
PDP SCAN DRIVER
IC14954
AN16650A-VT
PDP SCAN DRIVER
IC14953
AN16650A-VT
PDP SCAN DRIVER
TO PANEL ELECTRODE
SN24
SN23
SN26
SN27
28
29
30
31
32
33
34
35
36

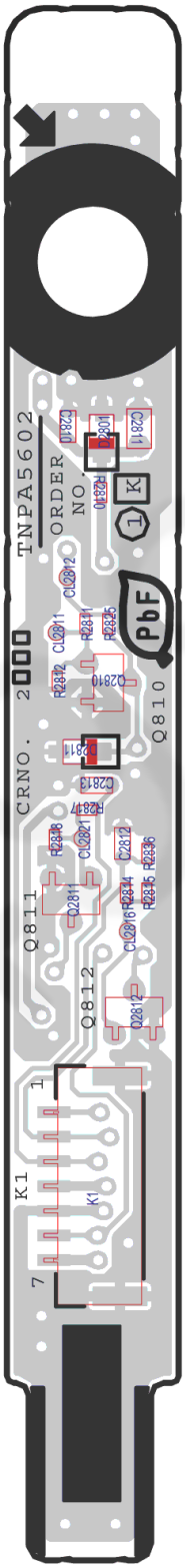
Model No. : TH-P50X50D/G/K/M/P/S/V/Z A-Board (Foil Side)

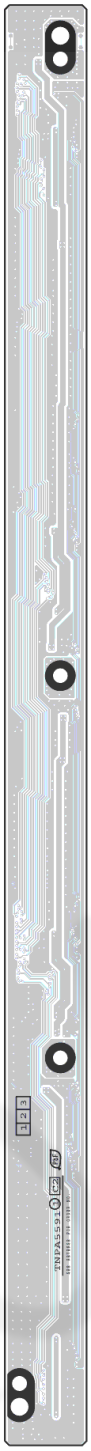


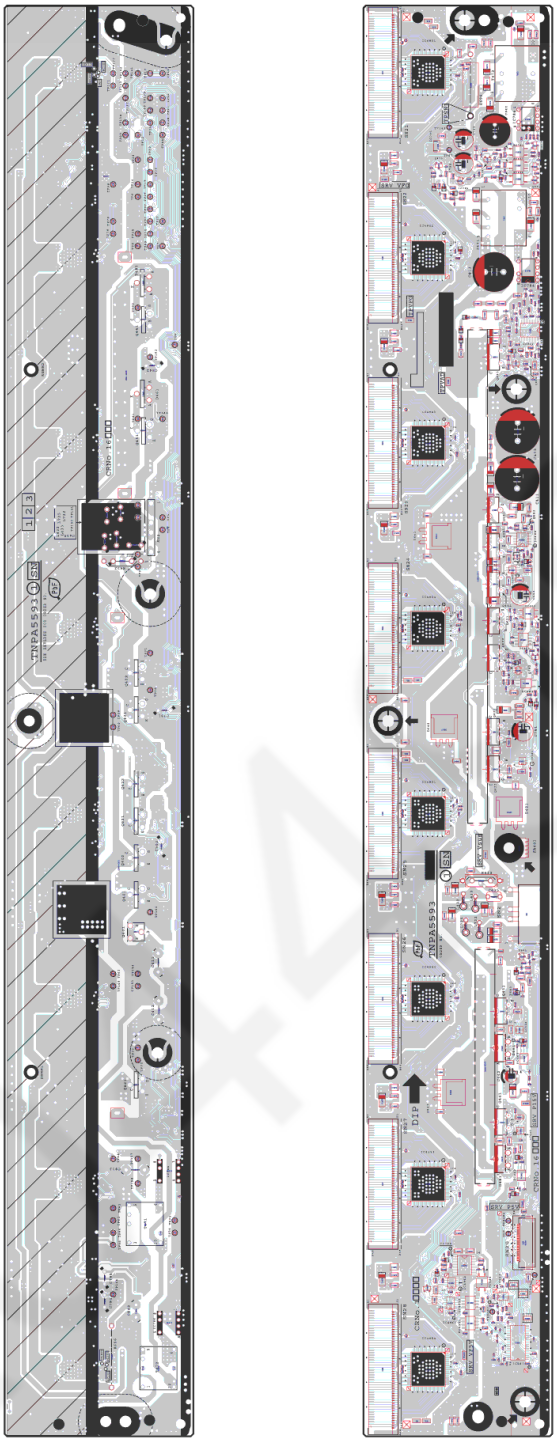
Model No. : TH-P50X50D/G/K/M/P/S/V/Z A-Board (Component Side)




TP8806
TP8804
TP8808
TP8803
TP8802
FOR ORDER NO.
TP8809
SEE REVERSE
TNPA5602
TP8805
TP8801
CRNO. 2000
VCC OUT
RM2810


TNPA5602
ORDER NO.
CRNO. 2000
PbF
Q8810
Q8811
Q8812
K1





Model No. : TH-P50X50D/G/K/M/P/S/V/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
⚠	PCB	TZTNP01PKUD	A-PRINT COMPLETE	1	(D) (RTL) PAVCTH
⚠	PCB	TZTNP01PQUG	A-PRINT COMPLETE	1	(G) (RTL) PAVCTH
⚠	PCB	TZTNP01PQUK	A-PRINT COMPLETE	1	(K) (RTL) PAVCTH
⚠	PCB	TZTNP01PKUM	A-PRINT COMPLETE	1	(M) (RTL) PAVCTH
⚠	PCB	TZTNP01SRUR	A-PRINT COMPLETE	1	(P) (RTL) PAVCTH
⚠	PCB	TZTNP01PLUS	A-PRINT COMPLETE	1	(S) (RTL) PAVCTH
⚠	PCB	TZTNP01PQUG	A-PRINT COMPLETE	1	(V) (RTL) PAVCTH
⚠	PCB	TZTNP01QQUZ	A-PRINT COMPLETE	1	(Z) (RTL) PAVCTH
⚠	PCB	N0AE6JK00006	PSS-PRINT COMPLETE	1	PAVCTH
⚠	PCB	TXNC11RHUU	C1-PRINT COMPLETE	1	(RTL) PAVCTH
⚠	PCB	TXNC21RHUU	C2-PRINT COMPLETE	1	(RTL) PAVCTH
⚠	PCB	TXNSN1PJUM	SN-PRINT COMPLETE	1	(RTL) PAVCTH
⚠	PCB	TXN/K1TXUE	K-PRINT COMPLETE	1	(RTL) PAVCTH
	A1	K1KY07AA0719	7P CONNECTOR	1	
	A6	K1KY23AA0607	23P CONNECTOR	1	
	A12	K1KY04AA1094	4P CONNECTOR	1	PAVCTH
	A20	K1MY30BA0345	30P CONNECTOR	1	
	A30	K1MY55BA0345	55P CONNECTOR	1	
	C10	K1MY40BA0345	40P CONNECTOR	1	
	C20	K1MY40BA0345	40P CONNECTOR	1	
	C21	K1MY55BA0345	55P CONNECTOR	1	
	C25	K1KY04BA0387	4P CONNECTOR	1	PAVCTH
	C1002	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C1003	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C1050	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C1051	F1K0J226A049	C 22UF, 6.3V	1	
	C1053	F1K0J226A049	C 22UF, 6.3V	1	
	C1105	F1G1E1030005	C 0.01UF 25V	1	
	C2000	F1G1E1030005	C 0.01UF 25V	1	
	C2001	F1J1A106A087	C 10UF, 10V	1	
	C2002	F1J1E105A287	C 1UF, 25V	1	PAVCTH
	C2003	F1G1H1020008	C 1000PF 50V	1	
	C2006	F1G1E103A144	C 0.01UF 25V	1	PAVCTH
	C2007	F1G1A105A047	C 1UF 10V	1	
	C2008	F1G1A105A047	C 1UF 10V	1	
	C2026	F1G1H102A830	C 1000PF 50V	1	PAVCTH
	C2027	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C2043	F1G1H1020008	C 1000PF 50V	1	
	C2051	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C2052	F1G1C104A077	C 0.1UF 16V	1	
	C2057	F1G1H1020008	C 1000PF 50V	1	
	C2810	F1H1H103B047	C 0.01UF, 50V	1	PAVCTH
	C2811	F1J1A106A087	C 10UF, 10V	1	
	C2815	F1H1H103B047	C 0.01UF, 50V	1	PAVCTH
	C2821	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C3001	F1G1A105A047	C 1UF 10V	1	
	C3002	F1G1A105A047	C 1UF 10V	1	
	C3003	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C3004	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C3005	F1G1A105A047	C 1UF 10V	1	
	C3006	F1G1A105A047	C 1UF 10V	1	
	C3011	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3016	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C3018	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C3019	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C3020	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3083	F1J1A106A110	C 10UF, 10V	1	PAVCTH
	C3084	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3085	F1J1C106A224	C 10UF, 16V	1	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C3086	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3108	F1G1E333A059	C 0.033UF, 25V	1	PAVCTH
	C3109	F1G1E333A059	C 0.033UF, 25V	1	PAVCTH
	C3110	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3130	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3131	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3132	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3135	F1G1H561A830	C 560 pF 50 V	1	(Z) PAVCTH
	C3136	F1G1H561A830	C 560 pF 50 V	1	(Z) PAVCTH
	C3139	F1G1H561A830	C 560 pF 50 V	1	(Z) PAVCTH
	C3140	F1G1H561A830	C 560 pF 50 V	1	(Z) PAVCTH
	C3145	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3146	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3147	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3148	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3151	F1G1A105A047	C 1UF 10V	1	
	C3152	F1G1A105A047	C 1UF 10V	1	
	C3155	F1G1H561A830	C 560 pF 50 V	1	(Z) PAVCTH
	C3156	F1G1H561A830	C 560 pF 50 V	1	(Z) PAVCTH
	C3157	F1G1A105A047	C 1UF 10V	1	
	C3158	F1G1A105A047	C 1UF 10V	1	
	C3172	F1G1A105A047	C 1UF 10V	1	
	C3173	F1G1A105A047	C 1UF 10V	1	
	C3174	F1G1A105A047	C 1UF 10V	1	
	C3175	F1G1A105A047	C 1UF 10V	1	
	C3178	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C3179	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C4546	F1H0J105A051	C 1UF, 6.3V	1	PAVCTH
	C4548	F1G1A105A047	C 1UF 10V	1	
	C4800	F1G1A105A047	C 1UF 10V	1	
	C4801	F1G1A105A047	C 1UF 10V	1	
	C4802	F1G1H220A834	C 22PF, 50V	1	(Z) (G) (S) (V) PAVCTH
	C4803	F1G1C104A146	C 0.1UF 16V	1	(Z) (G) (S) (V) PAVCTH
	C4804	F1G1C104A146	C 0.1UF 16V	1	(Z) (G) (S) (V) PAVCTH
	C4805	F1G1C104A146	C 0.1UF 16V	1	(Z) (G) (S) (V) PAVCTH
	C4807	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C4809	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C4811	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C4812	F1G1H102A830	C 1000PF 50V	1	PAVCTH
	C4816	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C4817	F1G1H330A834	C 33PF, 50V	1	PAVCTH
	C4818	F1G1H330A834	C 33PF, 50V	1	PAVCTH
	C4855	F1G1H101A834	C 100PF 50V	1	(Z) (G) (S) (V) PAVCTH
	C4856	F1G1H101A834	C 100PF 50V	1	(Z) (G) (S) (V) PAVCTH
	C4898	F1G1H220A834	C 22PF, 50V	1	PAVCTH
	C4907	F1K1V106A010	C 10UF, 25V	1	PAVCTH
	C4908	F1G1H102A830	C 1000PF 50V	1	PAVCTH
	C4909	F1J1E105A287	C 1UF, 25V	1	PAVCTH
	C4911	F1H1H104B047	C 0.1UF, 50V	1	PAVCTH
	C4912	F1J1E105A287	C 1UF, 25V	1	PAVCTH
	C4913	F1H1H104B047	C 0.1UF, 50V	1	PAVCTH
	C4914	F1J1E105A287	C 1UF, 25V	1	PAVCTH
	C4915	F1H1H104B047	C 0.1UF, 50V	1	PAVCTH
	C4917	F1H1H104B047	C 0.1UF, 50V	1	PAVCTH
	C4918	F1J1E105A287	C 1UF, 25V	1	PAVCTH
	C4919	F1G1H102A830	C 1000PF 50V	1	PAVCTH
	C4921	F1J1E474A272	C 0.47UF, 25V	1	PAVCTH
	C4922	F1J1E474A272	C 0.47UF, 25V	1	PAVCTH
	C4924	F1J1E474A272	C 0.47UF, 25V	1	PAVCTH
	C4925	F1J1E474A272	C 0.47UF, 25V	1	PAVCTH
	C4938	F1K1V106A010	C 10UF, 25V	1	PAVCTH
	C4939	F1K1V106A010	C 10UF, 25V	1	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C4970	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C4971	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C4972	F2H1A101A040	C 100UF, 10V	1	
	C4973	F2H1A101A040	C 100UF, 10V	1	
	C5000	F1G1E103A144	C 0.01UF 25V	1	PAVCTH
	C5002	F1J1E105A287	C 1UF, 25V	1	PAVCTH
	C5003	F1H1E105A153	C 1UF, 16V	1	PAVCTH
	C5012	EEEHB1C101UP	C 100PF, J, 16V	1	
	C5013	F1H1C105A167	C 1UF, 10V	1	PAVCTH
	C5014	F1H1C105A167	C 1UF, 10V	1	PAVCTH
	C5015	F1H1C105A167	C 1UF, 10V	1	PAVCTH
	C5016	F1H1C105A167	C 1UF, 10V	1	PAVCTH
	C5017	F1H1C105A167	C 1UF, 10V	1	PAVCTH
	C5018	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C5020	F1G1E103A144	C 0.01UF 25V	1	PAVCTH
	C5023	F1K1V106A010	C 10UF, 25V	1	PAVCTH
	C5025	F1J1A106A087	C 10UF, 10V	1	
	C5170	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C5171	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C5173	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C5174	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8001	F1J1A106A087	C 10UF, 10V	1	
	C8004	F1G1C104A077	C 0.1UF 16V	1	
	C8005	F1G1C104A077	C 0.1UF 16V	1	
	C8006	F1G1C104A077	C 0.1UF 16V	1	
	C8009	F1J1A106A087	C 10UF, 10V	1	
	C8011	F1G1C104A077	C 0.1UF 16V	1	
	C8014	F1G1A105A047	C 1UF 10V	1	
	C8015	F1G1A105A047	C 1UF 10V	1	
	C8016	F1G1C104A077	C 0.1UF 16V	1	
	C8019	F1J1A106A087	C 10UF, 10V	1	
	C8023	F1G1C104A077	C 0.1UF 16V	1	
	C8024	F1J1A106A087	C 10UF, 10V	1	
	C8025	F1J1A106A087	C 10UF, 10V	1	
	C8026	F1J0G2260001	C 22 UF 4 V	1	
	C8028	F1G1C104A077	C 0.1UF 16V	1	
	C8029	F1G1C104A077	C 0.1UF 16V	1	
	C8031	F1G1C104A077	C 0.1UF 16V	1	
	C8034	F1G1C104A077	C 0.1UF 16V	1	
	C8035	F1G1C104A077	C 0.1UF 16V	1	
	C8037	F1J1A106A087	C 10UF, 10V	1	
	C8041	F1G1C104A077	C 0.1UF 16V	1	
	C8042	F1J1A106A087	C 10UF, 10V	1	
	C8044	F1G1C104A077	C 0.1UF 16V	1	
	C8046	F1G1C104A077	C 0.1UF 16V	1	
	C8047	F1G1C104A077	C 0.1UF 16V	1	
	C8050	F1G1C104A077	C 0.1UF 16V	1	
	C8051	F1G1C104A077	C 0.1UF 16V	1	
	C8053	F1G1C104A077	C 0.1UF 16V	1	
	C8054	F1G1C104A077	C 0.1UF 16V	1	
	C8055	F1G1H1020008	C 1000PF 50V	1	
	C8100	F1G1E682A059	C 6800PF 25V	1	PAVCTH
	C8101	F1H1C105A145	C 1 uF 16 V	1	
	C8102	F1G1C104A077	C 0.1UF 16V	1	
	C8103	F1K1E106A134	C 10UF, 25V	1	
	C8105	F1J0G2260001	C 22 UF 4 V	1	
	C8106	F1J0G2260001	C 22 UF 4 V	1	
	C8108	ECJ1VB1E104K	C 0.1 UF, 25V	1	
	C8110	F1G1C223A146	C 0.022UF, 16V	1	PAVCTH
	C8111	F1H1C105A145	C 1 uF 16 V	1	
	C8112	F1G1C104A077	C 0.1UF 16V	1	
	C8113	F1K1E106A134	C 10UF, 25V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C8115	F1J0G2260001	C 22 UF 4 V	1	
	C8116	F1J0G2260001	C 22 UF 4 V	1	
	C8118	ECJ1VB1E104K	C 0.1 UF, 25V	1	
	C8200	F1G1C104A077	C 0.1UF 16V	1	
	C8203	F1G1C104A077	C 0.1UF 16V	1	
	C8204	F1G1C104A077	C 0.1UF 16V	1	
	C8205	F1G1C104A077	C 0.1UF 16V	1	
	C8206	F1G1C104A077	C 0.1UF 16V	1	
	C8207	F1J1A106A087	C 10UF, 10V	1	
	C8208	F1G1C104A077	C 0.1UF 16V	1	
	C8210	F1G1C104A077	C 0.1UF 16V	1	
	C8212	F1G1C104A077	C 0.1UF 16V	1	
	C8215	F1G1C104A077	C 0.1UF 16V	1	
	C8216	F1J1A106A087	C 10UF, 10V	1	
	C8218	F1G1C104A077	C 0.1UF 16V	1	
	C8220	F1G1C104A077	C 0.1UF 16V	1	
	C8221	F1G1C104A077	C 0.1UF 16V	1	
	C8224	F1G1C104A077	C 0.1UF 16V	1	
	C8225	F1G1C104A077	C 0.1UF 16V	1	
	C8300	F1G1H6R00009	C 6.0PF, , 50V	1	PAVCTH
	C8301	F1G1H7R00009	C 7 PF, 50V	1	PAVCTH
	C8302	F1G1C104A077	C 0.1UF 16V	1	
	C8303	F1G1C104A077	C 0.1UF 16V	1	
	C8304	F1G1C104A077	C 0.1UF 16V	1	
	C8305	F1G1A105A047	C 1UF 10V	1	
	C8306	F1G1A105A047	C 1UF 10V	1	
	C8307	F1G1A105A047	C 1UF 10V	1	
	C8308	F1G1A105A047	C 1UF 10V	1	
	C8309	F1G1A105A047	C 1UF 10V	1	
	C8310	F1G1A105A047	C 1UF 10V	1	
	C8311	F1G1A105A047	C 1UF 10V	1	
	C8411	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8603	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C8604	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8605	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8607	F1G1H100A833	C 10PF 50V	1	PAVCTH
	C8608	F1G1H100A833	C 10PF 50V	1	PAVCTH
	C8609	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8611	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8615	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C8616	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C8619	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8620	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8632	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C8633	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8642	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C8643	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8644	EEEHB0J221UP	E 220UF, 6.3V	1	
	C8660	F1G1H330A834	C 33PF, 50V	1	PAVCTH
	C8661	F1G1H330A834	C 33PF, 50V	1	PAVCTH
	C8721	F1K1E106A134	C 10UF, 25V	1	
	C8722	F1K1E106A134	C 10UF, 25V	1	
	C8723	ECJ1VB1E104K	C 0.1 UF, 25V	1	
	C8724	F1J1A106A110	C 10UF, 10V	1	PAVCTH
	C8725	F1J1A106A110	C 10UF, 10V	1	PAVCTH
	C8728	F1H1C105A145	C 1 uF 16 V	1	
	C8729	F1G1E1030005	C 0.01UF 25V	1	
	C8730	F1G1C104A077	C 0.1UF 16V	1	
	C8731	F1G1E1030005	C 0.01UF 25V	1	
	C8732	F1K1V106A010	C 10UF, 25V	1	PAVCTH
	C8733	F1J1A106A110	C 10UF, 10V	1	PAVCTH
	C8734	F1J1A106A110	C 10UF, 10V	1	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C8737	F1G1C104A077	C 0.1UF 16V	1	
	C8738	F1G1H222A830	C 2200PF, 50V	1	PAVCTH
	C8739	F1G1E1030005	C 0.01UF 25V	1	
	C8757	F1J1A106A087	C 10UF, 10V	1	
	C8758	F1J1A106A087	C 10UF, 10V	1	
	C8764	F1G1A105A047	C 1UF 10V	1	
	C8765	F1G1A105A047	C 1UF 10V	1	
	C8790	F1J1A106A110	C 10UF, 10V	1	PAVCTH
	C8791	F1J1A106A110	C 10UF, 10V	1	PAVCTH
	C8810	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C8813	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C8900	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8901	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8902	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C8903	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9053	F1G1H222A830	C 2200PF, 50V	1	PAVCTH
	C9054	F1H1C105A145	C 1 uF 16 V	1	
	C9055	F1G1C104A077	C 0.1UF 16V	1	
	C9056	F1K1E106A134	C 10UF, 25V	1	
	C9057	F1K1E106A134	C 10UF, 25V	1	
	C9058	F1J0G2260001	C 22 UF 4 V	1	
	C9059	F1J0G2260001	C 22 UF 4 V	1	
	C9061	ECJ1VB1E104K	C 0.1 UF, 25V	1	
	C9099	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9100	F1J1A106A087	C 10UF, 10V	1	
	C9101	F1G1E1030005	C 0.01UF 25V	1	
	C9102	F1K1V106A010	C 10UF, 25V	1	PAVCTH
	C9103	F1G1E103A144	C 0.01UF 25V	1	PAVCTH
	C9104	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9105	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9106	F1G1H561A830	C 560 pF 50 V	1	PAVCTH
	C9300	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9301	F1G1H150A834	C 15PF, 50V	1	PAVCTH
	C9302	F1G1H180A834	C 18PF, 50V	1	PAVCTH
	C9308	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9311	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9312	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C9313	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9328	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9330	F1G1A105A047	C 1UF 10V	1	
	C9331	F1G1A105A047	C 1UF 10V	1	
	C9332	F1G1A105A047	C 1UF 10V	1	
	C9337	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C9347	F1G1A105A047	C 1UF 10V	1	
	C9351	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9352	F1G1A105A047	C 1UF 10V	1	
	C9362	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9366	F1G1A105A047	C 1UF 10V	1	
	C9371	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C9375	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9380	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9389	F1G1A105A047	C 1UF 10V	1	
	C9392	F1J1C106A224	C 10UF, 16V	1	PAVCTH
	C9400	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9401	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9404	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C9409	F1G1A105A047	C 1UF 10V	1	
	C9411	F1G1A105A047	C 1UF 10V	1	
	C9413	F1G1A105A047	C 1UF 10V	1	
	C9591	F1G1C104A146	C 0.1UF 16V	1	PAVCTH
	C14901	F1G1H1020008	C 1000PF 50V	1	
	C14902	F1H1C105A145	C 1 uF 16 V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C14906	F1H1C105A145	C 1 uF 16 V	1	
	C14908	F1H1C105A145	C 1 uF 16 V	1	
	C14912	F1H1C105A145	C 1 uF 16 V	1	
	C14925	F1L2E104A028	C 0.10UF, 250V	1	
	C14927	F1K2J2210003	C 220PF, 630V	1	PAVCTH
	C14928	F1K2J2210003	C 220PF, 630V	1	PAVCTH
	C14931	F1G1H1020008	C 1000PF 50V	1	
	C14936	F1G1H221A541	C 220PF, 50V	1	
	C14937	F1G1H221A541	C 220PF, 50V	1	
	C14943	F1J1A475A039	C 4.7UF, 10V	1	
	C14950	F1G1H221A541	C 220PF, 50V	1	
	C14952	F1H1C105A145	C 1 uF 16 V	1	
	C14957	F1H1C105A145	C 1 uF 16 V	1	
	C14958	F1H1C105A145	C 1 uF 16 V	1	
	C14963	F1H1C105A145	C 1 uF 16 V	1	
	C14970	F1G1H221A541	C 220PF, 50V	1	
	C14973	F1G1H1020008	C 1000PF 50V	1	
	C14976	F1L2E104A028	C 0.10UF, 250V	1	
	C14979	F1K2J2210003	C 220PF, 630V	1	PAVCTH
	C14987	F1H1C105A145	C 1 uF 16 V	1	
	C14988	F1H1C105A145	C 1 uF 16 V	1	
	C14992	F1H1C105A145	C 1 uF 16 V	1	
	C14993	F1H1C105A145	C 1 uF 16 V	1	
	C16401	F1L2J562A021	C 5600PF, 630V	1	PAVCTH
	C16402	F1L2J562A021	C 5600PF, 630V	1	PAVCTH
	C16405	ECJ1VB1H472K	C 4700PF, 50V	1	
	C16406	ECJ1VB1H472K	C 4700PF, 50V	1	
	C16411	F2A2T3010001	E 300UF, 220V	1	PAVCTH
	C16412	F2A2T3010001	E 300UF, 220V	1	PAVCTH
	C16421	F1L2J562A021	C 5600PF, 630V	1	PAVCTH
	C16422	F1L2J562A021	C 5600PF, 630V	1	PAVCTH
	C16425	ECJ1VB1H472K	C 4700PF, 50V	1	
	C16426	ECJ1VB1H472K	C 4700PF, 50V	1	
	C16435	F1E2J472A001	C 4700PF, 630V	1	
	C16436	F1K2J331A042	C 330PF, 630V	1	PAVCTH
	C16441	ECJ1VB1H472K	C 4700PF, 50V	1	
	C16451	ECJ1VB1H472K	C 4700PF, 50V	1	
	C16502	F1K1E105A029	C 1UF, 25V	1	
	C16503	F2A1E221B726	E 220UF, 25V	1	PAVCTH
	C16505	F1K1E105A029	C 1UF, 25V	1	
	C16506	F1H1C105A145	C 1 uF 16 V	1	
	C16508	F1K1E105A029	C 1UF, 25V	1	
	C16531	F1K1E105A029	C 1UF, 25V	1	
	C16534	F1H1C105A145	C 1 uF 16 V	1	
	C16541	F1H1C105A145	C 1 uF 16 V	1	
	C16542	F2A1E470B725	E 47UF, 25V	1	PAVCTH
	C16551	F1K1E105A029	C 1UF, 25V	1	
	C16561	F1J1A106A087	C 10UF, 10V	1	
	C16562	F1H1C105A145	C 1 uF 16 V	1	
	C16563	F1H1C105A145	C 1 uF 16 V	1	
	C16565	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16566	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16582	F1K1E475A134	C 4.7UF 25V	1	
	C16593	F1H1H102A831	C 1000PF, 50V	1	PAVCTH
	C16602	F1H1H2200008	C 22PF, 50V	1	
	C16603	F1K2J471A042	C 470PF, 630V	1	PAVCTH
	C16642	F1K2J222A024	C 2200PF, 630V	1	PAVCTH
	C16643	F1K2J222A024	C 2200PF, 630V	1	PAVCTH
	C16644	F1L2J562A021	C 5600PF, 630V	1	PAVCTH
	C16645	F1K2J222A024	C 2200PF, 630V	1	PAVCTH
	C16661	F1K2J1020001	C 1000PF, 630V	1	PAVCTH
	C16662	F1K2J1020001	C 1000PF, 630V	1	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C16668	F1H1H821A831	C 820 PF, 50V	1	
	C16685	F1H1H104A913	C 0.1UF, K , 50V	1	
	C16723	F1K1E475A134	C 4.7UF 25V	1	
	C16724	F1K1E475A134	C 4.7UF 25V	1	
	C16725	F1K1E475A134	C 4.7UF 25V	1	
	C16727	F1K2J331A042	C 330PF, 630V	1	PAVCTH
	C16728	F1K2J681A039	C 680PF, 630V	1	PAVCTH
	C16729	F1K2J331A042	C 330PF, 630V	1	PAVCTH
	C16731	F1K2J1020001	C 1000PF, 630V	1	PAVCTH
	C16753	F1K1E105A029	C 1UF, 25V	1	
	C16770	F1H1C105A145	C 1 uF 16 V	1	
	C16790	F1K1E475A134	C 4.7UF 25V	1	
	C16791	F2A1E221B726	E 220UF, 25V	1	PAVCTH
	C16793	F2A1E221B726	E 220UF, 25V	1	PAVCTH
	C16795	F2A1E221B726	E 220UF, 25V	1	PAVCTH
	C16796	F1K1E475A134	C 4.7UF 25V	1	
	C16813	F2A2T1210001	E 120UF, 220V	1	
	C16833	F1K2J1020001	C 1000PF, 630V	1	PAVCTH
	C16834	F1K2J1020001	C 1000PF, 630V	1	PAVCTH
	C16842	F2A2C1010028	E 100UF, 160V	1	
	C16843	ECJ1VB1A105K	C 1UF, 10V	1	
	C16844	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16854	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16856	ECJ1VB1A105K	C 1UF, 10V	1	
	C16858	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16860	ECJ1VB1A105K	C 1UF, 10V	1	
	C16861	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16862	ECJ1VB1A105K	C 1UF, 10V	1	
	C16863	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16891	F1K1E105A029	C 1UF, 25V	1	
	C16893	F1K2J331A042	C 330PF, 630V	1	PAVCTH
	C16903	F1K2J152A024	C 1500PF, 630V	1	PAVCTH
	C16904	F1K2J561A042	C 560PF, 630V	1	PAVCTH
	C16906	F1K2J332A024	C 3300PF, 630V	1	PAVCTH
	C16907	F1K2J471A042	C 470PF, 630V	1	PAVCTH
	C16945	F1G1H1020008	C 1000PF 50V	1	
	C17101	F1H1A105A099	C 1UF, 10V	1	PAVCTH
	C17102	F1H1A105A099	C 1UF, 10V	1	PAVCTH
	C17103	F1H1A105A099	C 1UF, 10V	1	PAVCTH
	C17104	F1H1A105A099	C 1UF, 10V	1	PAVCTH
	C17120	F1L2E154A028	C 0.15UF, 250V	1	
	C17121	F1L2E154A028	C 0.15UF, 250V	1	
	C17122	F1L2E154A028	C 0.15UF, 250V	1	
	C17123	F1L2E154A028	C 0.15UF, 250V	1	
	C17201	F1H1A105A099	C 1UF, 10V	1	PAVCTH
	C17202	F1H1A105A099	C 1UF, 10V	1	PAVCTH
	C17203	F1H1A105A099	C 1UF, 10V	1	PAVCTH
	C17204	F1H1A105A099	C 1UF, 10V	1	PAVCTH
	C17223	F1L2E154A028	C 0.15UF, 250V	1	
	C17224	F1L2E154A028	C 0.15UF, 250V	1	
	C17227	F1L2E154A028	C 0.15UF, 250V	1	
	C17228	F1L2E154A028	C 0.15UF, 250V	1	
	CB1	K1MY55B00002	55P CONNECTOR	1	PAVCTH
	CB2	K1MY55B00002	55P CONNECTOR	1	PAVCTH
	CB3	K1MY55B00002	55P CONNECTOR	1	PAVCTH
	CB4	K1MY55B00002	55P CONNECTOR	1	PAVCTH
	CB5	K1MY55B00002	55P CONNECTOR	1	PAVCTH
	CB6	K1MY55B00002	55P CONNECTOR	1	PAVCTH
	CB7	K1MY55B00002	55P CONNECTOR	1	PAVCTH
	CB8	K1MY55B00002	55P CONNECTOR	1	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	CN0100	K1KA14A00248	14P CONNECTOR	1	
	D2005	EZJZ0V120JA	VARISTOR	1	
	D2820	B3AGB0000065	LED	1	
	D3021	DZ2J140M0L	ZENER DIODE	1	
	D3022	DZ2J140M0L	ZENER DIODE	1	
	D3023	DZ2J140M0L	ZENER DIODE	1	
	D3024	DZ2J140M0L	ZENER DIODE	1	
	D3025	DZ2J140M0L	ZENER DIODE	1	
	D3026	DZ2J140M0L	ZENER DIODE	1	
	D3027	DZ2J140M0L	ZENER DIODE	1	
	D3028	DZ2J140M0L	ZENER DIODE	1	
	D3201	K7AAAY000015	PHOTO LINK	1	(Z) (G) (S) (V) PAVCTH
	D4703	DZ2J056M0L	ZENER DIODE	1	
	D4704	DB2J30900L	DIODE	1	PAVCTH
	D4720	DZ2J056M0L	ZENER DIODE	1	
	D4721	DB2J30900L	DIODE	1	PAVCTH
	D4773	B0JCCE000021	DIODE	1	
	D5170	B0ADCK000001	DIODE	1	
	D5171	DZ2J068M0L	ZENER DIODE	1	
	D5172	DZ2J068M0L	ZENER DIODE	1	
	D8716	DA2J10100L	DIODE	1	
	D9806	B0ADCK000001	DIODE	1	
	D14909	DA3X103E0L	DIODE	1	PAVCTH
	D14915	DZ2J056M0L	ZENER DIODE	1	
	D14924	B0ECKM000046	DIODE	1	
	D14925	B0ECKM000046	DIODE	1	
	D14967	DA2J10100L	DIODE	1	
	D14976	B0ECKM000046	DIODE	1	
	D16401	B0ECKP000061	DIODE	1	PAVCTH
	D16402	B0ECKP000061	DIODE	1	PAVCTH
	D16403	B0ECKP000061	DIODE	1	PAVCTH
	D16407	B0JCDE000006	DIODE	1	
	D16411	DA3X103E0L	DIODE	1	PAVCTH
	D16413	DA2J10100L	DIODE	1	
	D16421	DA3CF30ACL	ZENER DIODE	1	
	D16432	B0ECKP000055	DIODE	1	
	D16435	B0ECKP000055	DIODE	1	
	D16461	B0FBCN000012	DIODE	1	PAVCTH
	D16473	DA2J10100L	DIODE	1	
	D16481	B0FBCN000012	DIODE	1	PAVCTH
	D16506	DZ2J051M0L	ZENER DIODE	1	
	D16507	DZ2J051M0L	ZENER DIODE	1	
	D16534	DZ2J051M0L	ZENER DIODE	1	
	D16536	B0ECKP000055	DIODE	1	
	D16582	DZ2J051M0L	ZENER DIODE	1	
	D16583	B3ABB0000381	LED	1	PAVCTH
	D16601	DZ2J051M0L	ZENER DIODE	1	
	D16618	B0ECKP000055	DIODE	1	
	D16620	B0ECKP000055	DIODE	1	
	D16641	DA3CF30ACL	ZENER DIODE	1	
	D16642	DA3CF30ACL	ZENER DIODE	1	
	D16643	DA3CF30ACL	ZENER DIODE	1	
	D16662	DZ2J330M0L	ZENER DIODE	1	
	D16663	DZ2J330M0L	ZENER DIODE	1	
	D16664	DZ2J330M0L	ZENER DIODE	1	
	D16667	DA2J10100L	DIODE	1	
	D16668	DA3X103E0L	DIODE	1	PAVCTH
	D16673	B0ECHR000004	DIODE	1	
	D16674	B0ECHR000004	DIODE	1	
	D16685	DA2J10100L	DIODE	1	
	D16686	DA2J10100L	DIODE	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D16711	B0ECHR000004	DIODE	1	
	D16712	B0ECHR000004	DIODE	1	
	D16713	B0ECHS000002	DIODE	1	
	D16714	B0ECHS000002	DIODE	1	
	D16720	B0ECHR000004	DIODE	1	
	D16722	B0ECKP000055	DIODE	1	
	D16723	B0ECKP000055	DIODE	1	
	D16725	B0ECKP000055	DIODE	1	
	D16728	B0ECKP000055	DIODE	1	
	D16823	DA3X103E0L	DIODE	1	PAVCTH
	D16824	DA2J10100L	DIODE	1	
	D16825	DZ2J330M0L	ZENER DIODE	1	
	D16826	DZ2J330M0L	ZENER DIODE	1	
	D16828	DA2J10100L	DIODE	1	
	D16833	B0ECHR000004	DIODE	1	
	IC2001	C1ZBZ0004368	IC	1	
	IC2002	C1ZBZ0004683	IC	1	PAVCTH
	IC3001	C1AB00003385	IC	1	
	IC4900	C1AB00003705	IC	1	
	IC5000	AN34044A-VF	IC	1	
	IC8000	MN2WS0178E	IC	1	PAVCTH
	IC8100	C0DBAYY01284	IC	1	PAVCTH
	IC8101	C0DBAYY01285	IC	1	PAVCTH
	IC8200	C3ABTY000068	IC	1	
	IC8201	C3ABTY000068	IC	1	
	IC8601	C1CB00003491	IC	1	
	IC8603	C0DBZYY00541	IC	1	PAVCTH
	IC8704	C0DBAYY01284	IC	1	PAVCTH
	IC8705	C0DBAYY01299	IC	1	PAVCTH
	IC8706	C0DBGYY00887	IC	1	
	IC8713	C0DBGYY01682	IC	1	
	IC8714	C0DBEYY00102	IC	1	PAVCTH
	IC8900	TVRS740	IC	1	PAVCTH
	IC8901	TVR***1D	IC	1	(D) PAVCTH
	IC8901	TVR***1G	IC	1	(G) PAVCTH
	IC8901	TVR***1K	IC	1	(K) PAVCTH
	IC8901	TVR***1M	IC	1	(M) PAVCTH
	IC8901	TVR***1P	IC	1	(P) PAVCTH
	IC8901	TVR***1S	IC	1	(S) PAVCTH
	IC8901	TVR***1V	IC	1	(V) PAVCTH
	IC8901	TVR***1Z	IC	1	(Z) PAVCTH
	IC8902	TVR***2D	IC	1	(D) PAVCTH
	IC8902	TVR***2G	IC	1	(G) PAVCTH
	IC8902	TVR***2K	IC	1	(K) PAVCTH
	IC8902	TVR***2M	IC	1	(M) PAVCTH
	IC8902	TVR***2P	IC	1	(P) PAVCTH
	IC8902	TVR***2S	IC	1	(S) PAVCTH
	IC8902	TVR***2V	IC	1	(V) PAVCTH
	IC8902	TVR***2Z	IC	1	(Z) PAVCTH
	IC9300	C1AB00003409	IC	1	
	IC9304	TVRS744	IC	1	PAVCTH
	IC9400	C0JBAZ001120	IC	1	
	IC9401	C0JBAZ001120	IC	1	
	IC9402	C0JBAZ001120	IC	1	
	IC9803	C0DBAYY01284	IC	1	PAVCTH
	IC14901	AN16630A-VT	IC	1	PAVCTH
	IC14902	AN16630A-VT	IC	1	PAVCTH
	IC14903	AN16630A-VT	IC	1	PAVCTH
	IC14904	AN16630A-VT	IC	1	PAVCTH
	IC14951	AN16630A-VT	IC	1	PAVCTH
	IC14952	AN16630A-VT	IC	1	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	IC14953	AN16630A-VT	IC	1	PAVCTH
	IC14954	AN16630A-VT	IC	1	PAVCTH
	IC14961	C0JBAU000088	IC	1	
	IC14962	C0JBAB000996	IC	1	
	IC16501	C0ZBZ0001936	IC	1	PAVCTH
	IC16502	C0ZBZ0001936	IC	1	PAVCTH
	IC16521	C0ZBZ0001936	IC	1	PAVCTH
	IC16522	C0ZBZ0001936	IC	1	PAVCTH
	IC16561	AN49272A-VF	IC	1	PAVCTH
	IC16563	C0JBAB000996	IC	1	
	IC16600	C1ZBZ0004559	IC	1	PAVCTH
	IC16603	C0JBAA000344	IC	1	
	IC16725	C1ZBZ0004715	IC	1	PAVCTH
	IC16784	MIP3910MSSCF	IC	1	
	IC16785	C0DBZYY00532	IC	1	PAVCTH
	IC16786	MIP3910MSSCF	IC	1	
	IC16787	C0DBZYY00532	IC	1	PAVCTH
	IC16795	C0CBALC00012	IC	1	
	IC16921	C1ZBZ0004557	IC	1	PAVCTH
	JK3001	K1FY315A0014	CONNECTOR	1	PAVCTH
	JK3100B	K1U921A00002	CONNECTOR	1	PAVCTH
	JK3202	K2HC1YYB0079	JACK	1	PAVCTH
	JK4700	K1FY119D0025	CONNECTOR	1	PAVCTH
	JK4701	K1FY119D0025	CONNECTOR	1	PAVCTH
	JK8600	K1NA12E00016	12P CONNECTOR	1	
	JK8601A	K1FY104B0081	CONNECTOR	1	(D) (G) (K) (M) (P) (S) (V) PAVCTH
	JK8601	K1FY104B0082	CONNECTOR	1	(Z) PAVCTH
	JK8602	K2LC1YYA0018	JACK	1	PAVCTH
	K1	K1KY07AA0719	7P CONNECTOR	1	
	L3001	D0GBR00J0004	M 0 OHM J 1/10W	1	
	L3102	J0JYC0000425	FILTER	1	PAVCTH
	L3103	J0JYC0000425	FILTER	1	PAVCTH
	L3111	J0JYC0000425	FILTER	1	PAVCTH
	L3112	J0JYC0000425	FILTER	1	PAVCTH
	L3113	J0JYC0000425	FILTER	1	PAVCTH
	L3116	J0JYC0000425	FILTER	1	PAVCTH
	L3117	J0JYC0000425	FILTER	1	PAVCTH
	L3118	J0JYC0000425	FILTER	1	PAVCTH
	L4800	G1CR39JA0129	INDUCTION COIL	1	(Z) (G) (S) (V) PAVCTH
	L4801	G1CR39JA0129	INDUCTION COIL	1	(Z) (G) (S) (V) PAVCTH
	L4802	J0JGC0000063	FILTER	1	PAVCTH
	L4803	J0JGC0000063	FILTER	1	PAVCTH
	L4804	J0JGC0000063	FILTER	1	PAVCTH
	L4807	J0JYC0000342	FILTER	1	PAVCTH
	L4900	G1C150MA0533	INDUCTION COIL	1	PAVCTH
	L4901	G1C150MA0533	INDUCTION COIL	1	PAVCTH
	L4902	G1C150MA0533	INDUCTION COIL	1	PAVCTH
	L4903	G1C150MA0533	INDUCTION COIL	1	PAVCTH
	L8003	J0JCC0000287	CHIP INDUCTOR	1	
	L8005	J0JHC0000045	CHIP INDUCTOR	1	
	L8006	J0JHC0000045	CHIP INDUCTOR	1	
	L8009	J0JKC0000021	CHIP INDUCTOR	1	
	L8015	J0JCC0000287	CHIP INDUCTOR	1	
	L8016	J0JCC0000287	CHIP INDUCTOR	1	
	L8100	G1C2R2ZA0311	INDUCTION COIL	1	PAVCTH
	L8101	G1C2R2ZA0311	INDUCTION COIL	1	PAVCTH
	L8600	J0JYC0000464	FILTER	1	PAVCTH
	L8604	J0ZZB0000142	FILTER	1	(Z)
	L8607	J0JHC0000109	CHIP INDUCTOR	1	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	L8609	J0JYC0000464	FILTER	1	PAVCTH
	L8704	G1C2R2ZA0311	INDUCTION COIL	1	PAVCTH
	L8705	G1C4R7ZA0311	INDUCTION COIL	1	PAVCTH
	L8706	J0JGC0000063	FILTER	1	PAVCTH
	L9008	G1C2R2ZA0311	INDUCTION COIL	1	PAVCTH
	L9302	J0JYC0000464	FILTER	1	PAVCTH
	L9303	J0JYC0000464	FILTER	1	PAVCTH
	L16432	G0ZZ00002183	PEAKING COIL	1	
	L16433	G0ZZ00002183	PEAKING COIL	1	
	L16722	G0ZZ00002183	PEAKING COIL	1	
	L16725	G0ZZ00002183	PEAKING COIL	1	
	PA2000	K5H4022A0031	FUSE	1	
	PA8704	K5H5022A0031	FUSE	1	
	PC14951	B3PBE0000065	IC	1	PAVCTH
	PC14952	B3PBE0000065	IC	1	PAVCTH
	PC16461	B3PBE0000065	IC	1	PAVCTH
	PC16462	B3PBE0000060	IC	1	
	PC16463	B3PBE0000060	IC	1	
	PC16480	B3PBA0000611	IC	1	PAVCTH
	PC16603	B3PBA0000611	IC	1	PAVCTH
	PC16685	B3PBA0000625	IC	1	PAVCTH
	PC16723	B3PBA0000611	IC	1	PAVCTH
	PC16896	B3PBA0000611	IC	1	PAVCTH
	PC16897	B3PBA0000611	IC	1	PAVCTH
	Q0900	B1ADCF000194	TRANSISTOR	1	
	Q2001	B1CHPC000005	FET	1	PAVCTH
	Q2002	B1ABCE000015	TRANSISTOR	1	
	Q2004	B1ABCE000015	TRANSISTOR	1	
	Q2007	B1ABCE000015	TRANSISTOR	1	
	Q2810	B1ABCE000015	TRANSISTOR	1	
	Q2811	B1ABCE000015	TRANSISTOR	1	
	Q2812	B1ABCE000015	TRANSISTOR	1	
	Q3102	B1ABKE000001	TRANSISTOR	1	PAVCTH
	Q3103	B1ABKE000001	TRANSISTOR	1	PAVCTH
	Q4513	B1ADCF000194	TRANSISTOR	1	
	Q4514	B1HFCEA00001	TRANSISTOR	1	
	Q4700	B1ABCF000231	TRANSISTOR	1	
	Q4702	B1ABCF000231	TRANSISTOR	1	
	Q4970	B1ADCF000194	TRANSISTOR	1	
	Q4971	B1ABKE000001	TRANSISTOR	1	PAVCTH
	Q4972	B1ABKE000001	TRANSISTOR	1	PAVCTH
	Q4973	B1ADCE000027	TRANSISTOR	1	
	Q4974	B1ABBE000003	TRANSISTOR	1	
	Q5020	B1ADCF000194	TRANSISTOR	1	
	Q5021	B1ABCE000015	TRANSISTOR	1	
	Q5171	B1HFCEA00001	TRANSISTOR	1	
	Q5172	B1ADCF000194	TRANSISTOR	1	
	Q16401	B1JADN000013	TRANSISTOR	1	PAVCTH
	Q16402	B1JADN000013	TRANSISTOR	1	PAVCTH
	Q16421	DG3D3010CVLW	TRANSISTOR	1	PAVCTH
	Q16422	DG3D3010CVLW	TRANSISTOR	1	PAVCTH
	Q16441	B1JADN000013	TRANSISTOR	1	PAVCTH
	Q16451	B1JADN000013	TRANSISTOR	1	PAVCTH
	Q16581	B1ABCE000015	TRANSISTOR	1	
	Q16601	B1CERQ000062	FET	1	PAVCTH
	Q16602	B1CFGF000019	FET	1	PAVCTH
	Q16621	B1JADN000013	TRANSISTOR	1	PAVCTH
	Q16622	B1JADN000013	TRANSISTOR	1	PAVCTH
	Q16661	B1JAER000014	TRANSISTOR	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	Q16762	B1HFPFA00002	TRANSISTOR	1	
	Q16815	B1ABCE000015	TRANSISTOR	1	
	Q16817	DSC2001Q0L	TRANSISTOR	1	
	Q16820	B1CFGF000019	FET	1	PAVCTH
	Q16891	B1ADCE000027	TRANSISTOR	1	
	R061	D0GAR00J0005	M 0 OHM, 1/16W	1	(D) (K) (M) (P)
	R062	D0GAR00J0005	M 0 OHM, 1/16W	1	(Z)
	R066	D0GAR00J0005	M 0 OHM, 1/16W	1	(G) (S) (V)
	R075	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R0800	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R0902	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R0903	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R0904	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R0905	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R0906	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R0907	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R0908	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R0909	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R0910	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R0911	D1HY2224A012	NETWORK RESISTER	1	PAVCTH
	R0935	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0936	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0937	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0938	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0941	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0942	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0943	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0944	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0945	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0946	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0949	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R0951	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R0952	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R0953	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R1009	D0GA101JA023	M 100 OHM, J,1/16W	1	(Z) (G) (S) (V)
	R1117	D1BA7151A023	M 7.15KOHM, F 1/16 W	1	PAVCTH
	R1118	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R2001	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R2004	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R2008	D0GA433JA023	M 43KOHM,J,1/16W	1	PAVCTH
	R2023	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R2024	D0GA223JA023	M 22K OHM J 1/16W	1	
	R2025	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R2027	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R2029	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R2033	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R2035	D0GA223JA023	M 22K OHM J 1/16W	1	
	R2036	D0GA223JA023	M 22K OHM J 1/16W	1	
	R2038	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R2039	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R2047	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R2054	D0GA223JA023	M 22K OHM J 1/16W	1	
	R2055	D0GA223JA023	M 22K OHM J 1/16W	1	
	R2065	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R2810	D0GA470JA023	M 47 OHM, J,1/16W	1	
	R2811	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R2812	D0GA224JA023	M 220KOHM J 1/16W	1	
	R2813	D0GA223JA023	M 22K OHM J 1/16W	1	
	R2814	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R2815	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R2816	D0GA473JA023	M 47KOHM, J,1/16W	1	on A-Board

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R2816	D0GA152JA023	M 1.5KOHM, J,1/16W	1	on K-Board
	R2817	D0GA223JA023	M 22K OHM J 1/16W	1	
	R2818	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R2819	D0GA332JA023	M 3.3KOHM, J,1/16W	1	
	R2834	D0GA122JA023	M 1.2KOHM, J,1/16W	1	
	R3003	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R3011	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R3012	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R3013	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R3099	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R3149	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R3158	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R3159	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R3160	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R3163	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R3164	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R3167	D0GA333JA023	M 33KOHM,J,1/16W	1	
	R3168	D0GA333JA023	M 33KOHM,J,1/16W	1	
	R3171	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R3172	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R3174	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3175	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3176	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3177	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3178	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3179	D0GA331JA023	M 330 OHM, J,1/16W	1	
	R3180	D0GA331JA023	M 330 OHM, J,1/16W	1	
	R3181	D1BF75R0A073	M 75.0 OHM,F.1/4 W	1	PAVCTH
	R3182	D1BD75R0A066	M 75.0 OHM,F.1/8 W	1	
	R3183	D1BD75R0A066	M 75.0 OHM,F.1/8 W	1	
	R3185	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3186	D0GA333JA023	M 33KOHM,J,1/16W	1	
	R3187	D0GA333JA023	M 33KOHM,J,1/16W	1	
	R3188	D1BF75R0A073	M 75.0 OHM,F.1/4 W	1	PAVCTH
	R3189	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3193	D0GA820JA023	M 82 OHM, J,1/16W	1	
	R3194	D0GA820JA023	M 82 OHM, J,1/16W	1	
	R3195	D0GA820JA023	M 82 OHM, J,1/16W	1	
	R3196	D0GA820JA023	M 82 OHM, J,1/16W	1	
	R3215	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R3216	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R3301	D0GB750ZA040	M 75 OHM 1/10W	1	PAVCTH
	R3302	D0GB750ZA040	M 75 OHM 1/10W	1	PAVCTH
	R3303	D0GB750ZA040	M 75 OHM 1/10W	1	PAVCTH
	R3313	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R3314	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R4548	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R4549	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R4550	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R4551	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R4552	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R4554	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4556	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4560	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4563	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4702	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4708	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4709	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4710	D1HY4734A012	NETWORK RESISTER	1	PAVCTH
	R4711	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4715	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4721	D0GA103JA023	M10KOHM, J.1/16 W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R4722	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4723	D1HY4734A012	NETWORK RESISTER	1	PAVCTH
	R4724	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4748	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4749	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4750	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4751	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4779	D0GA360JA023	M 36 OHM, J,1/16W	1	
	R4798	D0GA273JA023	M 27K OHM J ,1/16W	1	
	R4800	D0GA103JA023	M10KOHM, J.1/16 W	1	(Z) (G) (S) (V)
	R4910	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R4911	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4913	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4914	D1HY2204A012	NETWORK RESISTER	1	PAVCTH
	R4921	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4970	D1BB1403A106	M 140KOHM,J.1/10W	1	PAVCTH
	R4971	D1BB1403A106	M 140KOHM,J.1/10W	1	PAVCTH
	R4972	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4973	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4974	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R4975	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4976	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4978	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R4979	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R4980	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4981	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4984	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R4985	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R4987	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R5001	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R5009	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5010	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R5011	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R5012	D0GA223JA023	M 22K OHM J 1/16W	1	
	R5013	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5020	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R5021	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5022	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R5023	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5024	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R5068	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R5071	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R5086	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R5170	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R5171	D0GA683JA023	M 68KOHM, J,1/16W	1	
	R5172	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R5173	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5175	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R5176	D0GA392JA023	M 3.9KOHM, J,1/16W	1	
	R5177	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R5178	D0GA332JA023	M 3.3KOHM, J,1/16W	1	
	R5179	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R5180	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R5181	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R5182	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R5183	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R5184	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5185	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R6927	D0GAR00J0005	M 0 OHM, 1/16W	1	(Z) (G) (S) (V)
	R6928	D0GAR00J0005	M 0 OHM, 1/16W	1	(Z) (G) (S) (V)
	R6953	D0GAR00J0005	M 0 OHM, 1/16W	1	(Z) (G) (S) (V)
	R8001	D0GA331JA023	M 330 OHM, J,1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R8100	D1BB2001A197	M 2 KOHM,F.1/10 W	1	PAVCTH
	R8101	D1BB1301A195	M 1.3KOHM,J.1/10W	1	PAVCTH
	R8102	D1BB2001A197	M 2 KOHM,F.1/10 W	1	PAVCTH
	R8103	D1BB1961A087	M 1.96 KOHM,F.1/10 W	1	PAVCTH
	R8200	D1BA2400A023	M 240 OHM,F.1/16 W	1	PAVCTH
	R8203	D1BA1001A023	M 1 KOHM,F.1/16 W	1	PAVCTH
	R8204	D1BA1001A023	M 1 KOHM,F.1/16 W	1	PAVCTH
	R8205	D1BA1001A023	M 1 KOHM,F.1/16 W	1	PAVCTH
	R8206	D1BA1001A023	M 1 KOHM,F.1/16 W	1	PAVCTH
	R8207	D1BA1001A023	M 1 KOHM,F.1/16 W	1	PAVCTH
	R8208	D1BA1001A023	M 1 KOHM,F.1/16 W	1	PAVCTH
	R8217	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R8218	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R8219	D1BA2400A023	M 240 OHM,F.1/16 W	1	PAVCTH
	R8220	D1BA2400A023	M 240 OHM,F.1/16 W	1	PAVCTH
	R8221	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8222	D1HY3304A012	NETWORK RESISTER	1	PAVCTH
	R8223	D1HY3304A012	NETWORK RESISTER	1	PAVCTH
	R8224	D1BA1001A023	M 1 KOHM,F.1/16 W	1	PAVCTH
	R8225	D1BA1001A023	M 1 KOHM,F.1/16 W	1	PAVCTH
	R8301	D0GA681JA023	M680 OHM, J,1/16W	1	
	R8302	D0GA360JA023	M 36 OHM, J,1/16W	1	
	R8303	D0GA360JA023	M 36 OHM, J,1/16W	1	
	R8304	D1BA6201A023	M 6.2 KOHM,F.1/16 W	1	PAVCTH
	R8305	D1BA6201A023	M 6.2 KOHM,F.1/16 W	1	PAVCTH
	R8306	D0GA243JA023	M 24K OHM J 0.063W	1	
	R8418	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8438	D1HY1038A012	NETWORK RESISTER	1	PAVCTH
	R8441	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8601	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R8602	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R8603	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R8604	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R8605	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R8606	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8607	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8608	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8609	D1BA6491A023	M 6.49 KOHM,F.1/16 W	1	PAVCTH
	R8610	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R8615	D0GA105JA023	M 1M OHM, J,1/16W	1	
	R8616	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R8617	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8618	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8621	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8624	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8625	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8626	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8627	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8628	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8629	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8630	EXB2HV103JV	M 10 kOHM 1/16 W	1	
	R8632	D1HY5604A012	NETWORK RESISTER	1	PAVCTH
	R8634	D1HY5604A012	NETWORK RESISTER	1	PAVCTH
	R8635	D1HY1014A022	NETWORK RESISTER	1	PAVCTH
	R8636	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8638	D1BA3742A023	M 37.4 KOHM,F.1/16 W	1	PAVCTH
	R8639	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8640	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8653	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8681	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8692	D0GFR00J0005	M 0 OHM,J,1/3W	1	
	R8696	D0GA101JA023	M 100 OHM, J,1/16W	1	

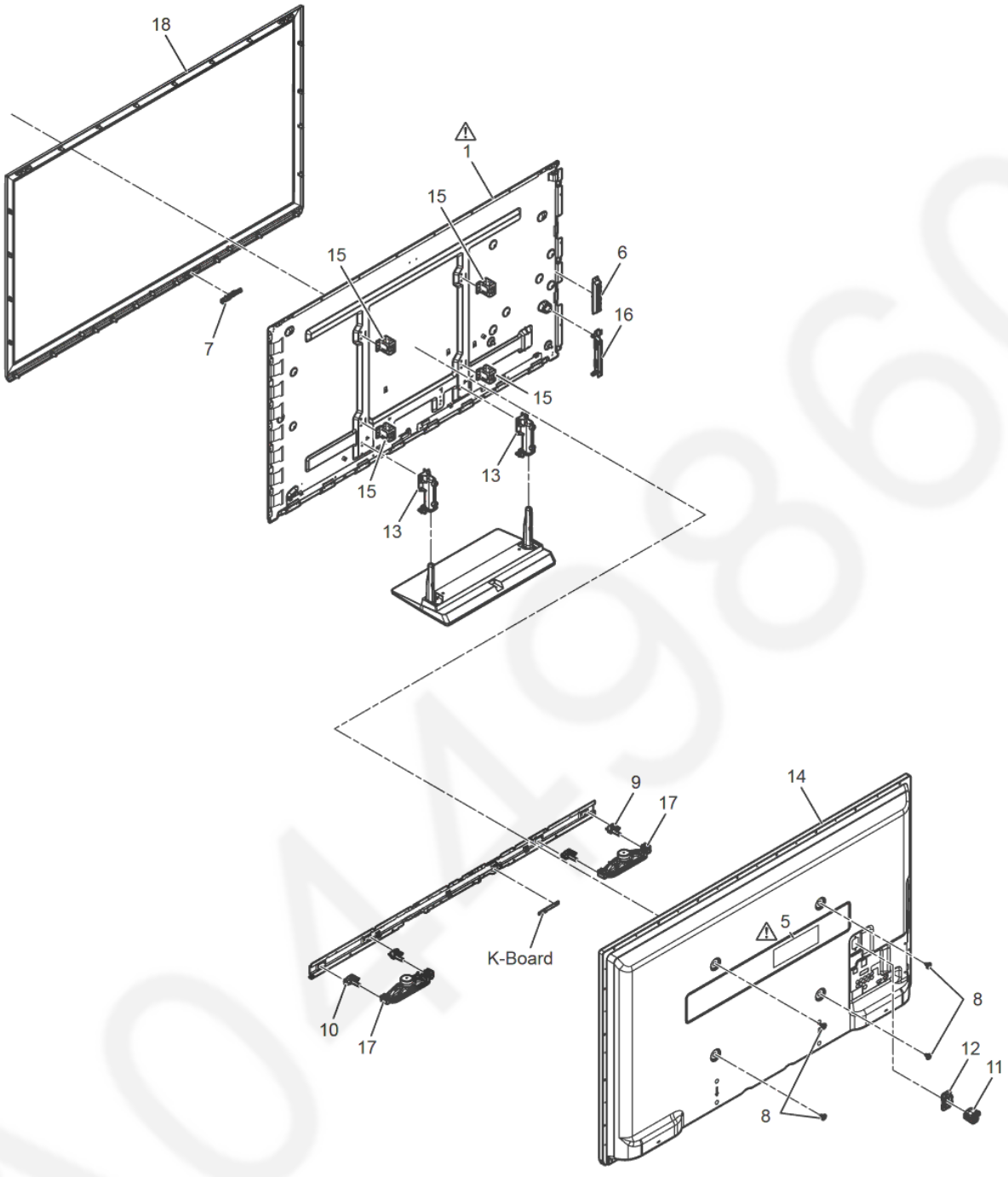
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R8699	D0GA101JA023	M 100 OHM, J,1/16W	1	
	R8701	D1HYR004A024	NETWORK RESISTER	1	(D) (G) (K) (M) (P) (S) (V) PAVCTH
	R8741	D0GA390JA023	M 39 OHM, J,1/16W	1	
	R8742	D0GA223JA023	M 22K OHM J 1/16W	1	
	R8746	D1BA6802A023	M 68 KOHM,F.1/16 W	1	PAVCTH
	R8747	D1BA2102A023	M 21KOHM,F,1/16W	1	PAVCTH
	R8751	D0GB563ZA038	M 56KOHM, J,1/10W	1	PAVCTH
	R8752	D0GB103ZA038	M 10K OHM J 1/10W	1	PAVCTH
	R8755	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8774	D0GA563JA023	M 56KOHM, J,0.063W	1	
	R8775	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8797	D1BA1200A023	M 120 OHM,F.1/16 W	1	PAVCTH
	R8798	D1BA56R0A023	M 56 OHM,F.1/16 W	1	PAVCTH
	R8813	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8814	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8815	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8816	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8818	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8821	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R8823	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8824	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8830	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8841	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R8909	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R8910	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8914	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8915	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8916	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8917	D1HY1034A012	NETWORK RESISTER	1	PAVCTH
	R8921	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R8972	D1HY6808A012	NETWORK RESISTER	1	PAVCTH
	R9035	D0GA103JA023	M10KOHM, J.1/16 W	1	
	R9044	D0GB202ZA038	M 2 KOHM 1/10W	1	PAVCTH
	R9045	D0GB122ZA038	M 1.2 KOHM 1/10W	1	PAVCTH
	R9105	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R9198	D1HY1014A022	NETWORK RESISTER	1	PAVCTH
	R9203	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R9205	D0GA333JA023	M 33KOHM,J,1/16W	1	
	R9206	D0GA563JA023	M 56KOHM, J,0.063W	1	
	R9208	D1HY4704A012	NETWORK RESISTER	1	PAVCTH
	R9209	D1HY4708A012	NETWORK RESISTER	1	PAVCTH
	R9247	D0GA470JA023	M 47 OHM, J,1/16W	1	
	R9307	D0GA330JA023	M 33 OHM, J,1/16W	1	
	R9308	D0GA330JA023	M 33 OHM, J,1/16W	1	
	R9320	D0GA122JA023	M 1.2KOHM, J,1/16W	1	
	R9321	D0GA105JA023	M 1M OHM, J,1/16W	1	
	R9323	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R9324	D0GB162JA072	M 1.6 KOHM J 1/10W	1	PAVCTH
	R9325	D0GB162JA072	M 1.6 KOHM J 1/10W	1	PAVCTH
	R9326	D0GB162JA072	M 1.6 KOHM J 1/10W	1	PAVCTH
	R9327	D0GB162JA072	M 1.6 KOHM J 1/10W	1	PAVCTH
	R9329	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R9330	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R9400	D1HY1038A012	NETWORK RESISTER	1	PAVCTH
	R9401	D1HY1038A012	NETWORK RESISTER	1	PAVCTH
	R9503	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R9533	D1HY1034A012	NETWORK RESISTER	1	PAVCTH
	R9534	D1HY1034A012	NETWORK RESISTER	1	PAVCTH
	R9535	D1HY4704A012	NETWORK RESISTER	1	PAVCTH
	R9599	D0GA473JA023	M 47KOHM, J,1/16W	1	
	R9608	D1HY4708A012	NETWORK RESISTER	1	PAVCTH
	R9610	D1HY4704A012	NETWORK RESISTER	1	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R14901	D0GD220JA052	M 22 OHM,J,1/8W	1	
	R14911	D0GB103JA065	M 10K OHM J 1/10W	1	
	R14944	D0GD100JA052	M 10 OHM,J,1/8W	1	
	R14949	D0GD203JA052	M 20KOHM,J,1/8W	1	
	R14950	D0GB103JA065	M 10K OHM J 1/10W	1	
	R14960	D1H84704A041	NETWORK RESISTER	1	PAVCTH
	R14961	D0GD271JA052	M 270 OHM,J,1/8W	1	
	R14962	D0GD271JA052	M 270 OHM,J,1/8W	1	
	R14963	D0GD271JA052	M 270 OHM,J,1/8W	1	
	R14965	D0GD271JA052	M 270 OHM,J,1/8W	1	
	R14975	D1H84704A041	NETWORK RESISTER	1	PAVCTH
	R16401	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16402	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16411	D1BD2700A066	M 270KOHM,F.1/8W	1	PAVCTH
	R16412	D1BD2700A066	M 270KOHM,F.1/8W	1	PAVCTH
	R16413	D0GB331JA065	M330 OHM J 1/10W	1	
	R16414	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16416	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16421	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16422	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16432	D0D22R2KA003	W 2.2 OHM, K,2W	1	PAVCTH
	R16441	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16451	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16471	D0GB203JA065	M 20KOHM J 1/10W	1	
	R16472	D0GB222JA065	M 2.2KOHM,J,1/10W	1	
	R16473	D0GD561JA052	M 560 OHM,J,1/8W	1	
	R16474	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16475	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16476	D0GB222JA065	M 2.2KOHM,J,1/10W	1	
	R16490	D1BD1203A147	M 120KOHM,F.1/8 W	1	PAVCTH
	R16491	D1BD1203A147	M 120KOHM,F.1/8 W	1	PAVCTH
	R16492	D1BD1203A147	M 120KOHM,F.1/8 W	1	PAVCTH
	R16493	D1BD1822A147	M 18.2KOHM,F.1/8W	1	PAVCTH
	R16501	D0GB220JA065	M 22 OHM J 1/10W	1	
	R16503	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16505	D0GF102JA048	M 1.0 KOHM,J,1/3W	1	
	R16509	D0GF102JA048	M 1.0 KOHM,J,1/3W	1	
	R16522	D0GB221JA065	M 220 OHM J 1/10W	1	
	R16534	D0GF911JA048	M 910 OHM,J,1/4W	1	PAVCTH
	R16536	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16537	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16538	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16541	D0GF393JA047	M 39 KOHM,J, 1/3W	1	PAVCTH
	R16542	D0GF393JA047	M 39 KOHM,J, 1/3W	1	PAVCTH
	R16543	D0GD103JA052	M 10KOHM,J,1/8W	1	
	R16545	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16561	D1H84704A041	NETWORK RESISTER	1	PAVCTH
	R16562	D1H84704A041	NETWORK RESISTER	1	PAVCTH
	R16563	D1H84704A041	NETWORK RESISTER	1	PAVCTH
	R16564	D0GB470JA065	M 47 OHM,J,1/10W	1	
	R16581	D0GB223JA065	M 22KOHM,J,1/10W	1	
	R16583	D0GD222JA052	M 2.2KOHM,J,1/8W	1	
	R16587	D0GB222JA065	M 2.2KOHM,J,1/10W	1	
	R16590	D0GB221JA065	M 220 OHM J 1/10W	1	
	R16601	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16602	D0GB220JA065	M 22 OHM J 1/10W	1	
	R16604	D0GD331JA052	M 330 OHM,J,1/8W	1	
	R16607	D1BB2262A073	M 22.6KOHM,F.1/10W	1	PAVCTH
	R16609	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R16610	D0GB104JA065	M 100KOHM J 1/10W	1	
	R16612	D0GD470JA059	M 47 OHM,J,1/4W	1	
	R16615	D1BB5110A073	M 511 OHM, 1/10W	1	PAVCTH

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16616	D1BB3921A073	M3.92KOHM, 1/10W	1	PAVCTH
	R16618	D0GB100JA065	M 10 OHM J 1/10W	1	
	R16619	D0GF150JA047	M 15 OHM,J, 1/3W	1	
	R16621	D0GD561JA052	M 560 OHM,J,1/8W	1	
	R16622	D0GD561JA052	M 560 OHM,J,1/8W	1	
	R16658	D1BD9091A147	M 9.09KOHM,F.1/8W	1	PAVCTH
	R16661	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16663	D1BD9091A147	M 9.09KOHM,F.1/8W	1	PAVCTH
	R16665	D0GD222JA052	M 2.2KOHM,J,1/8W	1	
	R16666	D1BB1003A074	M 100 KOHM,F.1/10 W	1	PAVCTH
	R16674	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R16675	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16676	D1BD2700A066	M 270KOHM,F.1/8W	1	PAVCTH
	R16678	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R16681	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16682	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16684	D0GB220JA065	M 22 OHM J 1/10W	1	
	R16685	D1BD1500A066	M 150 OHM,F.1/8 W	1	PAVCTH
	R16686	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16696	D0D22R2KA008	W 2.2 OHM, K,2W	1	PAVCTH
	R16761	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16763	D0GB473JA065	M 47KOHM J. 1/10W	1	
	R16772	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16773	D0GD102JA052	M 1.0KOHM,J,1/8W	1	
	R16776	D0GD470JA052	M 47 OHM,J,1/8W	1	
	R16786	D1BD5492A066	M54.9KOHM,F.1/8W	1	PAVCTH
	R16815	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16821	D0GD104JA052	M 100KOHM,J,1/8W	1	
	R16822	D1BD8202A066	M 750KOHM,F.1/8W	1	PAVCTH
	R16823	D1BD6982A066	M69.8KOHM,F.1/8W	1	PAVCTH
	R16824	D1BD3652A066	M36.5KOHM,F.1/8W	1	PAVCTH
	R16825	D0GD104JA052	M 100KOHM,J,1/8W	1	
	R16826	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16829	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16831	D1BD6812A147	M 68.1KOHM,F.1/8W	1	PAVCTH
	R16832	D1BD7152A147	M 71.5KOHM,F.1/8W	1	PAVCTH
	R16833	D0GF683JA048	M 68 KOHM,J,1/4W	1	PAVCTH
	R16834	D0GF683JA048	M 68 KOHM,J,1/4W	1	PAVCTH
	R16835	D0GF683JA048	M 68 KOHM,J,1/4W	1	PAVCTH
	R16836	D0GF683JA048	M 68 KOHM,J,1/4W	1	PAVCTH
	R16841	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16842	D0GD102JA052	M 1.0KOHM,J,1/8W	1	
	R16844	ERA6YEB242	M 2.4KOHM, B 1/10W	1	
	R16845	D1BD6982A147	M69.8KOHM,D.1/10W	1	PAVCTH
	R16846	D1BD6042A147	M60.4KOHM,D.1/10W	1	PAVCTH
	R16847	D1BD6492A147	M 64.9KOHM,F.1/8W	1	PAVCTH
	R16851	D0GB474JA065	M 470KOHM,J,1/10W	1	
	R16852	D0GB474JA065	M 470KOHM,J,1/10W	1	
	R16856	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16873	ERA6YEB242	M 2.4KOHM, B 1/10W	1	
	R16891	D1BF5762A098	M 57.6KOHM, 1/4W	1	PAVCTH
	R16892	D1BF5902A098	M 59KOHM, 1/4W	1	PAVCTH
	R16893	D1BF5902A098	M 59KOHM, 1/4W	1	PAVCTH
	R16894	D1BB1211A074	M1.21KOHM,D1/10W	1	PAVCTH
	R16895	D1BB7871A074	M 7.87 KOHM,F.1/10W	1	PAVCTH
	R16896	D1BF5902A098	M 59KOHM, 1/4W	1	PAVCTH
	R16897	D1BB3922A073	M39.2KOHM, 1/10W	1	PAVCTH
	R16898	D1BB5231A073	M 5.23 KOHM,F.1/10W	1	PAVCTH
	R16899	D1BB5231A073	M 5.23 KOHM,F.1/10W	1	PAVCTH
	R16900	D1BB1182A073	M11.8KOHM, 1/10W	1	PAVCTH
	R16901	D1BB2801A073	M2.8KOHM, 1/10W	1	PAVCTH
	R16902	D0GB6R2JA065	M 6.2 OHM J 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16921	D1BB4991A073	M 4.99 KOHM,F.1/10W	1	PAVCTH
	R16922	D1BB2152A073	M 21.5 KOHM,F.1/10 W	1	PAVCTH
	R16937	D0GB184JA065	M 180KOHM J 1/10W	1	
	R16939	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16940	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16945	D0GB471JA065	M 470 OHM,J,1/10W	1	
	R16946	D0GB221JA065	M 220 OHM J 1/10W	1	
	R16947	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16948	D0GB471JA065	M 470 OHM,J,1/10W	1	
	R16991	D0GD104JA052	M 100KOHM,J,1/8W	1	
	R16992	D0GD104JA052	M 100KOHM,J,1/8W	1	
	R17101	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17102	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17103	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17104	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17105	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17106	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17107	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17108	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17131	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R17133	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R17135	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R17137	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R17161	D1H84704A041	NETWORK RESISTER	1	PAVCTH
	R17162	D0GB470JA065	M 47 OHM,J,1/10W	1	
	R17169	D1H84704A041	NETWORK RESISTER	1	PAVCTH
	R17171	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17172	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17173	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17174	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17175	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17176	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17177	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17178	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17197	D0GB331JA065	M330 OHM J 1/10W	1	
	R17198	D0GD224JA052	M 220KOHM,J,1/8W	1	
	R17199	D0GD151JA059	M 150 OHM,J,1/4W	1	
	R17201	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17202	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17203	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17204	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17205	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17206	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17207	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17208	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17213	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R17215	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R17227	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R17229	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R17261	D1H84704A041	NETWORK RESISTER	1	PAVCTH
	R17262	D0GB470JA065	M 47 OHM,J,1/10W	1	
	R17267	D1H84704A041	NETWORK RESISTER	1	PAVCTH
	R17271	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17272	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17273	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17274	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17275	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17276	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17277	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17278	D1BB49R9A073	M 49.9 OHM,F.1/10W	1	PAVCTH
	R17298	D0GD224JA052	M 220KOHM,J,1/8W	1	
	R17299	D0GD151JA059	M 150 OHM,J,1/4W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	RM2810	B3RBB0000018	REMOTE SENSOR	1	
	SN2	K1KY04C00001	4P CONNECTOR	1	PAVCTH
	SN20	K1MY30BA0345	30P CONNECTOR	1	
	SN21	K1MY96BA0342	96P CONNECTOR	1	
	SN22	K1MY96BA0342	96P CONNECTOR	1	
	SN23	K1MY96BA0342	96P CONNECTOR	1	
	SN24	K1MY96BA0342	96P CONNECTOR	1	
	SN25	K1MY96BA0342	96P CONNECTOR	1	
	SN26	K1MY96BA0342	96P CONNECTOR	1	
	SN27	K1MY96BA0342	96P CONNECTOR	1	
	SN28	K1MY96BA0342	96P CONNECTOR	1	
	SN2810	B3JB00000116	IC	1	
	T16471	G4DYA0000253	SWITCHING TRANS	1	
	T16472	G4DYA0000252	SWITCHING TRANS	1	
⚠	TU4801	ENGS7302D5F	TUNER	1	(Z) (G) (S) (V)
⚠	TU4801	ENGS9301D5RF	TUNER	1	(D) (K) (M) (P)
	X8300	H0J245500113	CRYSTAL	1	
	X8600	H0J250500109	CRYSTAL	1	
	X9300	H0J200500076	CRYSTAL	1	
	ZA16401	K4AZ01D00004	TERMINAL	1	


18
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K-Board
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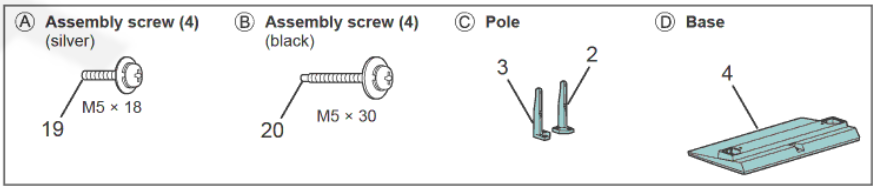
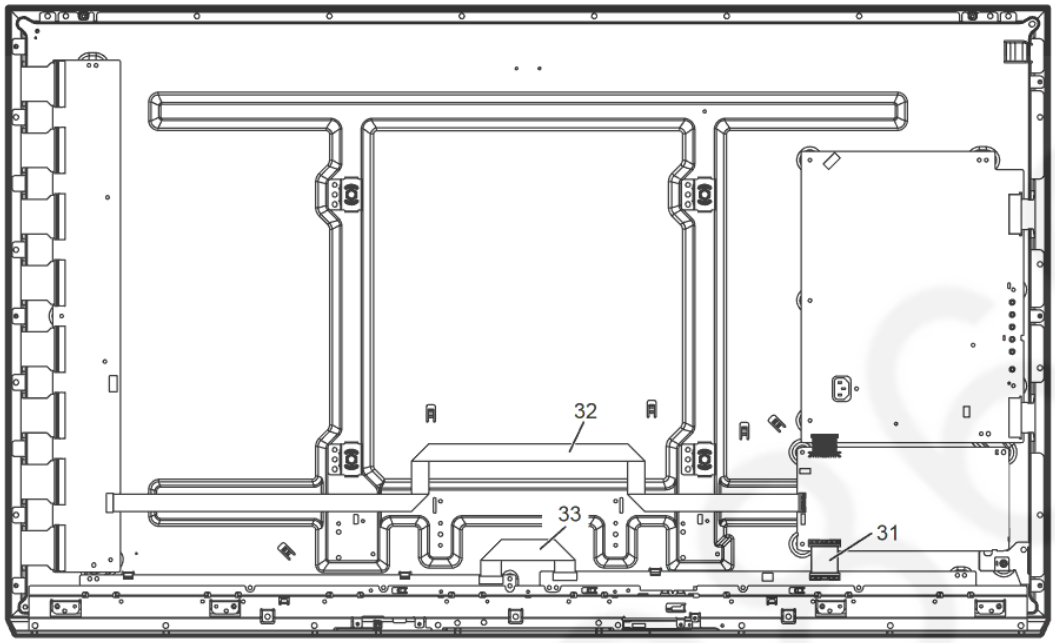
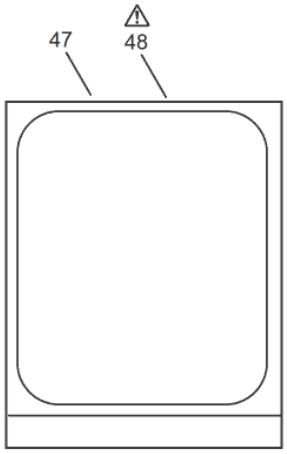

Ⓐ Assembly screw (4)
(silver)
M5 × 18
19
Ⓑ Assembly screw (4)
(black)
M5 × 30
20
Ⓒ Pole
3
2
Ⓓ Base
4

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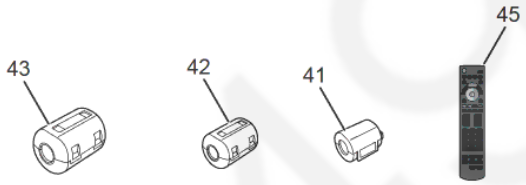
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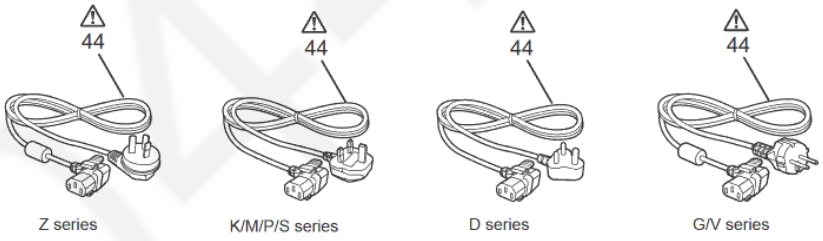
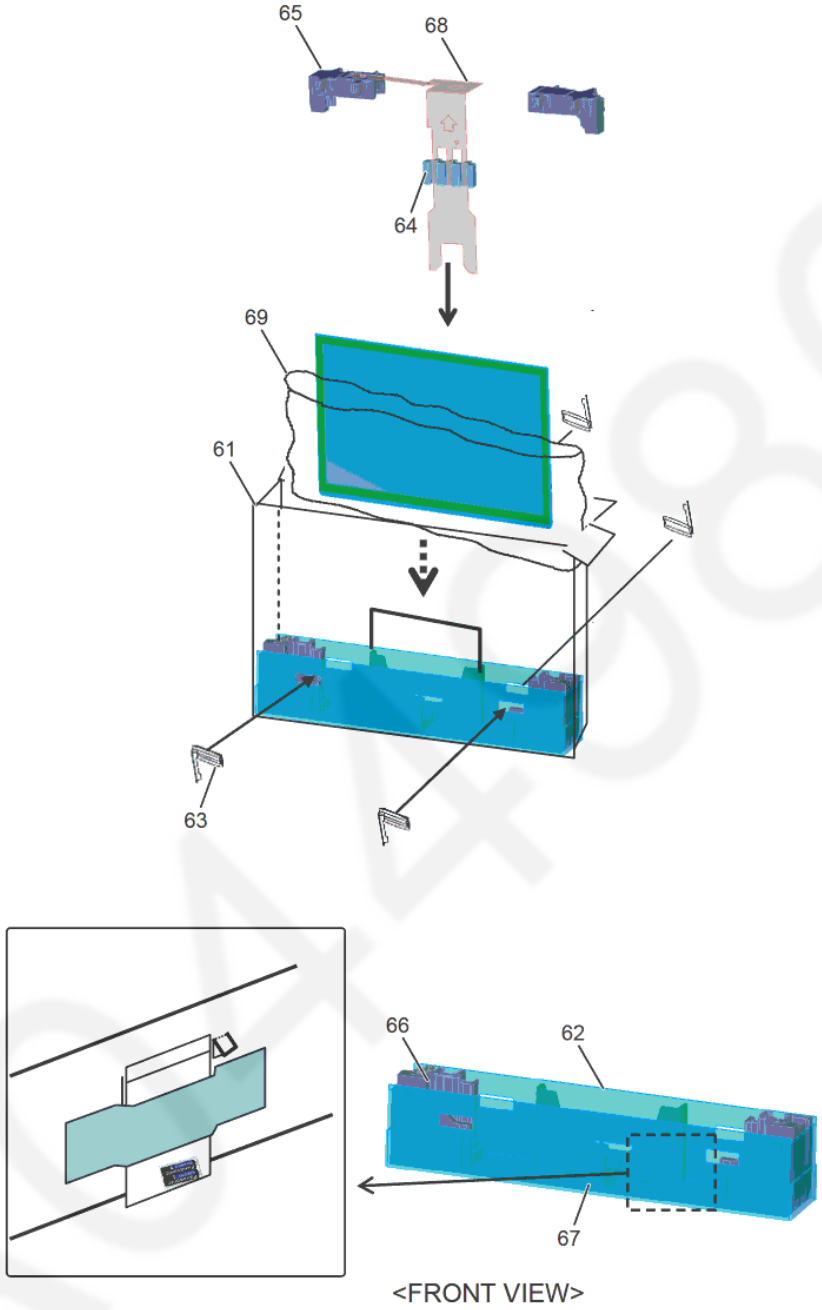

44
44
44
44
Z series
K/M/P/S series
D series
G/V series



<FRONT VIEW>

Model No. : TH-P50X50D/G/K/M/P/S/V/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	41	J0KG00000011	FERRITE CORE	1	(Z)
	43	J0KG00000146	FERRITE CORE PACK FOR LAN CABLE	1	(Z)
⚠	44	K2CK3YY00065	AC_CORD	1	(Z) PAVCTH
⚠	44	K2CN3YY00016	AC_CORD	1	(G) (V) PAVCTH
⚠	44	K2CT3YY00061	AC_CORD	1	(K) (M) (S) PAVCTH
⚠	44	K2CT3YY00062	AC_CORD	1	(P) PAVCTH
⚠	44	K2CZ3YY00042	AC_CORD	1	(D) PAVCTH
⚠	1	MD50H15C2T	PLASMA DISPLAY PANEL	1	PAVCTH
	45	N2QAYB000603	REMOTE CONTROL	1	(D) (K) (M) (P) PAVCTH
	45	N2QAYB000604	REMOTE CONTROL	1	(Z) (G) (S) (V) PAVCTH
		T4FP1505Q	TAPE	1	PAVCTH
	2	TBL5ZA3310	STAND POLE L	1	PAVCTH
	3	TBL5ZA3311	STAND POLE R	1	PAVCTH
	4	TBL5ZX0430	PEDESTAL STAND	1	PAVCTH
⚠	5	TBM4TC3111	NAME PLATE	1	(M) PAVCTH
⚠	5	TBM4TC3121	NAME PLATE	1	(Z) PAVCTH
⚠	5	TBM4TC3151	NAME PLATE	1	(S) PAVCTH
⚠	5	TBM4TC3161	NAME PLATE	1	(G) PAVCTH
⚠	5	TBM4TC3171	NAME PLATE	1	(V) PAVCTH
⚠	5	TBM4TC3181	NAME PLATE	1	(K) PAVCTH
⚠	5	TBM4TC3201	NAME PLATE	1	(D) PAVCTH
⚠	5	TBM4TC3211	NAME PLATE	1	(P) PAVCTH
	6	TBX5ZA01501	KEY BUTTON	1	PAVCTH
	20	THE3DL001N	SCREW 5X30	4	PAVCTH
		THEC1509	SCREW(HDMI:2 TU_SH:4)	6	chap. 7.2.3.(2)
		THEJ036J	SCREW(K:1)	1	
		THEL0239	SCREW(AC_CODE:2)	2	
		THEL052Z	SCREW	4	
		THTD030J	SCREW(BC:24 STA_BRA-CONTACT_METAL:1)	25	chap. 7.2.3.(1)
	7	TKK5ZC50271	LED PANEL	1	PAVCTH
	8	TKKL5493	M8 CAP	4	chap. 7.2.3.(4)
		TMK4TH016	SPONGE	1	PAVCTH
		TMKK497	RUBBER(IC8000)	1	PAVCTH
		TMKK503	THERMAL CONDUCTIVE SHEET	1	PAVCTH
		TMME268	CLAMPER	2	
	9	TMW4TX001	SP BRACKET L	2	
	10	TMW4TX002	SP BRACKET R	2	
	11	TMXX073	AC CORD CLAMPER A	1	PAVCTH
	12	TMXX074	AC CORD CLAMPER B	1	PAVCTH
	13	TMZ4TX5013	STAND BRACKET	2	PAVCTH
		TPAKK38	DRY PACK	1	(V) PAVCTH
	61	TPC4TA11401	CARTON BOX TOP	1	(Z) (G) (K) (M) (P) (S) (V) PAVCTH
	61	TPC4TA11402	CARTON BOX TOP	1	(D) PAVCTH
	62	TPC4TA11501	CARTON BOX BOTTOM	1	PAVCTH
	63	TPD169487	JOINT	4	
	64	TPD4TA01241	FRONT CUSHION	1	(Z) (G) (K) (S) (V) PAVCTH
	65	TPD4TA01511	TOP CUSHION	1	(Z) (G) (K) (S) (V) PAVCTH
	66	TPD4TA01521	BOTTOM CUSHION	1	(Z) (G) (K) (S) (V) PAVCTH
	64	TPD4TA01851	FRONT CUSHION	1	(D) (M) (P) PAVCTH
	65	TPD4TA01911	TOP CUSHION	1	(D) (M) (P) PAVCTH
	66	TPD4TA01921	BOTTOM CUSHION	1	(D) (M) (P) PAVCTH
	67	TPD4TA02201	PEDESTAL CUSHION	1	PAVCTH
	68	TPD4TF00521	FRONT CUSHION PAD	1	PAVCTH
	69	TPE4TH002	SET BAG	1	(Z) (D) (G) (K) (M) (P) (S) PAVCTH
	69	TPE4TH038	SET BAG	1	(V) PAVCTH
	47	TPE4TP001	BAG (INSTRUCTION BOOK)	1	PAVCTH
		TPE4TP002	BAG FOR AC CORD	1	PAVCTH
		TPE5ZB030	BAG (PEDESTAL STAND)	1	PAVCTH
		TPE5ZB031	BAG (STAND ACCESSORY)	1	PAVCTH
		TPE5ZB033	BAG (STAND POLE)	1	PAVCTH
⚠	48	TQB4TC0224	INSTRUCTION BOOK(ENGLISH)	1	(Z) PAVCTH

Model No. : TH-P50X50D/G/K/M/P/S/V/Z Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
⚠	48	TQB4TC0226	INSTRUCTION BOOK(ENGLISH)	1	(G) (S) (V) PAVCTH
⚠	48	TQB4TC0227	INSTRUCTION BOOK(S-CHINESE)	1	(S) PAVCTH
⚠	48	TQB4TC0228	INSTRUCTION BOOK(INDONESIA)	1	(G) PAVCTH
⚠	48	TQB4TC0229	INSTRUCTION BOOK(ENGLISH)	1	(D) (K) (M) (P) PAVCTH
⚠	48	TQB4TC0230	INSTRUCTION BOOK(S-CHINESE)	1	(K) PAVCTH
⚠	48	TQB4TC0232	INSTRUCTION BOOK(VIETNAMESE)	1	(V) PAVCTH
⚠	48	TQB4TC0233	INSTRUCTION BOOK(ARABIC)	1	(M) (P) PAVCTH
		TQZ5ZH001	SCREW USE HANDBILL	1	PAVCTH
	31	TSCKE0090002	CABLE(A31-C20)	1	PAVCTH
	32	TSCKZ0040003	CABLE(A20-SN20)	1	PAVCTH
	33	TSCLZ0010005	CABLE(C10-C20)	1	PAVCTH
	14	TTU4TA0312	REAR COVER	1	(M) PAVCTH
	14	TTU4TA0313	REAR COVER	1	(Z) PAVCTH
	14	TTU4TA0316	REAR COVER	1	(S) PAVCTH
	14	TTU4TA0317	REAR COVER	1	(G) PAVCTH
	14	TTU4TA0318	REAR COVER	1	(V) PAVCTH
	14	TTU4TA0319	REAR COVER	1	(K) PAVCTH
	14	TTU4TA0321	REAR COVER	1	(D) PAVCTH
	14	TTU4TA0322	REAR COVER	1	(P) PAVCTH
	15	TUX5ZA0131	M8 NUT METAL	4	PAVCTH
	16	TUX5ZE0136	SIDE SHIELD METAL	1	PAVCTH
	17	TXFEA01QTUA	SPEAKER L/R ASSY	2	PAVCTH
		TXFKL5Z0005	TIP-PREVENTION PARTS ASSY	1	(Z) PAVCTH
	18	TXFKY5Z0291A	CABINET ASSY	1	PAVCTH
		TXFQZ02PCUP	CARTON LABEL ASSY	1	(P) PAVCTH
		TXFQZ02PHUV	CARTON LABEL ASSY	1	(V) PAVCTH
		TXFQZ02PJUD	CARTON LABEL ASSY	1	(D) PAVCTH
		TXFQZ02PJUM	CARTON LABEL ASSY	1	(M) PAVCTH
		TXFQZ02PKUS	CARTON LABEL ASSY	1	(S) PAVCTH
⚠		TXFQZ02PPUG	CARTON LABEL ASSY	1	(G) PAVCTH
		TXFQZ02PPUK	CARTON LABEL ASSY	1	(K) PAVCTH
		TXFQZ02QPUZ	CARTON LABEL ASSY	1	(Z) PAVCTH
		TXJA12RHUU	SPEAKER LEAD(A12-SPL/SPR)	1	PAVCTH
		XTB4+8GFJ	SCREW(CAB-MO:2)	2	
		XTV3+8GFJK	SCREW	2	chap. 7.2.3.(3)
		XYN3+J10FJ	SCREW	8	
		XYN4+E6FJ	SCREW(INLET:1)	1	
		XYN4+F8FJ	SCREW(M8_MTL:4)	4	
	19	XYN5+F18FN	SCREW 5X18	4	
	42	J0KG00000036	FERRITE CORE FOR USB CABLE	1	(Z) PAVCTH