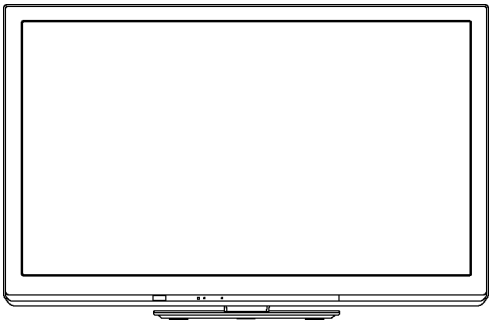
ORDER NO.MTNC110213CE
B34 Canada: B62

Service Manual

50 inch Class 1080p Plasma HDTV

Model No. TC-P50ST30

GPF14DU Chassis



⚠ WARNING

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

IMPORTANT SAFETY NOTICE

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

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1 Safety Precautions

1.1. General Guidelines

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

1.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1Mohm and 5.2Mohm.
   When the exposed metal does not have a return path to the chassis, the reading must be ∞.

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

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

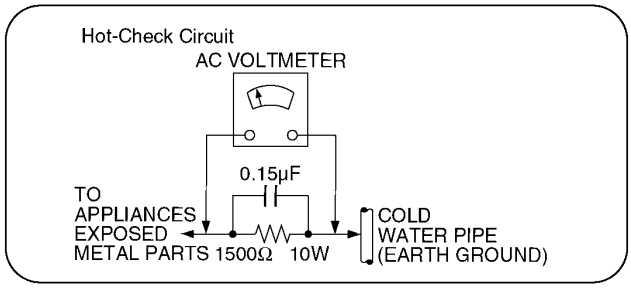


Figure 1

2 Warning

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

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

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

   Caution

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

2.2. About lead free solder (PbF)

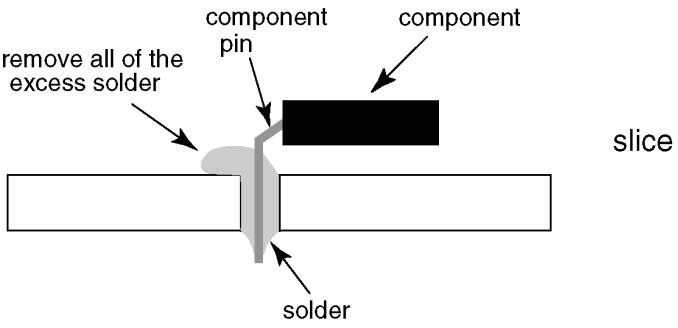
Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although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

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

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

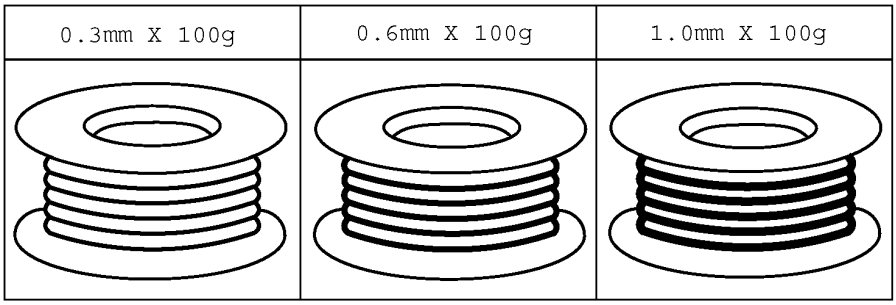
Caution

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



Suggested Pb free solder

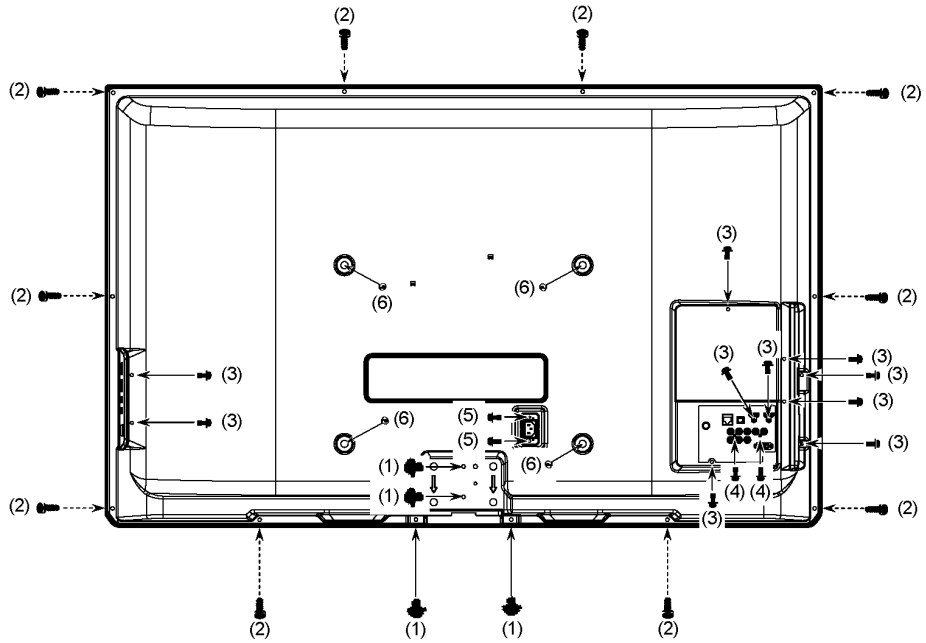
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.



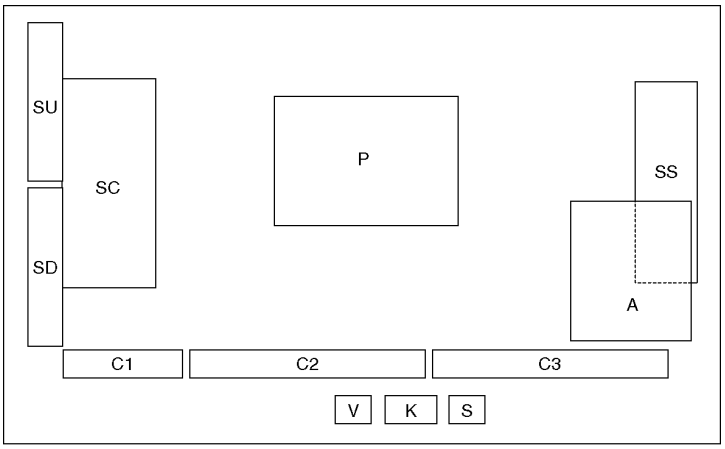
3 Service Navigation

3.1. PCB Layout

Remove the Rear cover



Remove:
4screws (1) THEL052Z
10screws (2) XTB4+12GFJK
10screws (3) THEJ0409
2screws (4) XTV3+10JFJK
2screws (5) XYN3+F10FJK
4screws (6) TKKL5493



Board Name	Function	Board Name	Function
P	Power Supply Non serviceable. P-Board should be exchange for service.	C1	Data Driver (Lower Right)
		C2	Data Driver (Lower Center)
		C3	Data Driver (Lower Left)
A	Main AV input, processing	SC	Scan Drive
K	Remote receiver, Power LED, C.A.T.S sensor	SS	Sustain Drive
S	Power switch	SU	Scan out (Upper) Non serviceable. SU-Board should be exchanged for service.
V	3D Eyewear transmitter		
		SD	Scan out (Lower) Non serviceable. SD-Board should be exchanged for service.

3.2. Applicable signals

* Mark: Applicable input signal for Component (Y, P_B, P_R) and HDMI

	horizontal frequency (kHz)	vertical frequency (Hz)	COMPONENT	HDMI
525 (480) / 60i	15.73	59.94	*	*
525 (480) /60p	31.47	59.94	*	*
750 (720) /60p	45.00	59.94	*	*
1,125 (1,080) /60i	33.75	59.94	*	*
1,125 (1,080) /60p	67.43	59.94		*
1,125 (1,080) /60p	67.50	60.00		*
1,125 (1,080) /24p	26.97	23.98		*
1,125 (1,080) /24p	27.00	24.00		*

Note

- Signals other than those shown above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.

4 Specifications

■ TV

Power Source	AC 120 V, 60 Hz	
Power Consumption		
Rated Power Consumption	341 W	
Standby condition	0.2 W	
Plasma Display panel		
Drive method	AC type	
Aspect Ratio	16:9	
Visible screen size	50 inch class (49.9 inches measured diagonally)	
(W × H × Diagonal)	43.5 inch × 24.4 inch × 49.9 inch (1,105 mm × 622 mm × 1,268 mm)	
(No. of pixels)	2,073,600 (1,920 (W) × 1,080 (H)) [5,760 × 1,080 dots]	
Sound		
Audio Output	20 W [10 W + 10 W] (10 % THD)	
Channel Capability (Digital/Analog)	VHF/ UHF: 2 - 69, CATV: 1 - 135	
Operating Conditions		
	Temperature:	32 °F - 104 °F (0 °C - 40 °C)
	Humidity:	20 % - 80 % RH (non-condensing)
Connection Terminals		
VIDEO IN	VIDEO:	RCA PIN Type × 1 1.0 V [p-p] (75 Ω)
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
COMPONENT IN	Y:	1.0 V [p-p] (including synchronization)
	PB, PR:	±0.35 V [p-p]
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
HDMI 1-3	TYPE A Connector × 3	
	This TV supports [HDAVI Control 5] function.	
USB 1-2	USB 2.0 Type A connector x 2 (DC 5 V MAX500mA)	
LAN (for VIERA Connect)	RJ45 (10BASE-T/100BASE-TX)	
Card slot	SD CARD slot × 1	
DIGITAL AUDIO OUT	PCM / Dolby Digital, Fiber Optic	
FEATURES	3D Y/C FILTER	
	CLOSED CAPTION	V-Chip
	VIERA Connect	Media player
	3D IMAGE VIEWER	HDAVI Control 5
Dimensions (W × H × D)		
Including pedestal	47.5 inch × 30.7 inch × 13.2 inch (1,204 mm × 779 mm × 335 mm)	
TV Set only	47.5 inch × 29.3 inch × 2.2 (2.8) inch (1,204 mm × 744 mm × 54 (69) mm)	
Mass		
Including pedestal	66.2 lb. (30.0 kg)	
TV Set only	57.4 lb. (26.0 kg)	

Note

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

■ Wireless LAN Adaptor

Power supply	DC 5 V (USB powered) 500 mA	
Antenna	Tx 1, Rx 2	
Interface	USB 2.0	
Standard Compliance	IEEE802.11n / IEEE802.11a / IEEE802.11g / IEEE802.11b	
Transmission system	MISO-OFDM system, OFDM system, DSSS system	
Frequency Range	IEEE802.11n / IEEE802.11a:	
	5.150 GHz - 5.725 GHz for EU Countries	
	5.150 GHz - 5.850 GHz for USA, Canada	
	5.250 GHz - 5.850 GHz for Taiwan	
	IEEE802.11g / IEEE802.11b / IEEE802.11n:	
	2.412 GHz - 2.472 GHz for EU countries	
	2.412 GHz - 2.462 GHz USA, Canada, Taiwan	
Transfer rate (standard)*	IEEE802.11n:	Tx Max. 150 Mbps, Rx Max. 300 Mbps
	IEEE802.11g / IEEE802.11a:	Max. 54 Mbps
	IEEE802.11b:	Max. 11 Mbps
Access Mode	Infrastructure mode	
Security	WPA2-PSK (TKIP/AES)	
	WPA-PSK (TKIP/AES)	
	WEP (64 bit / 128 bit)	
Dimensions (W × H × D)	1.18 inch × 0.42 inch × 3.73 inch (30.00mm × 10.72 mm × 94.85 mm)	
Mass	0.88 oz (25g) Net	

*Transfer rates are theoretical values; however, actual communication rate will vary according to communication environment or connected equipment.

5 Technical Descriptions

5.1. Specification of KEY for DTCP-IP, WMDRM and Widevine

5.1.1. General information:

1. EEPROM (IC8902) for spare parts has the seed of KEY for each DTCP-IP for DLNA, WMDRM for Netflix and Widevine for CinemaNow.
2. The final KEY data will be generated by Peaks IC (IC8000) when SELF CHECK was done and are stored in both Peaks IC (IC8000) and EEPROM (IC8902).

5.1.2. Replacement of ICs:

When Peaks IC is replaced, EEPROM should be also replaced with new one the same time.
When EEPROM is replaced, Peaks IC is not necessary to be replaced the same time.
After the replacement of IC, SELF CHECK should be done to generate the final KEY data.
How to SELF CHECK: While pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.
TV will be forced to the factory shipment setting after this SELF CHECK.

6 Service Mode

6.1. How to enter into Service Mode

6.1.1. Purpose

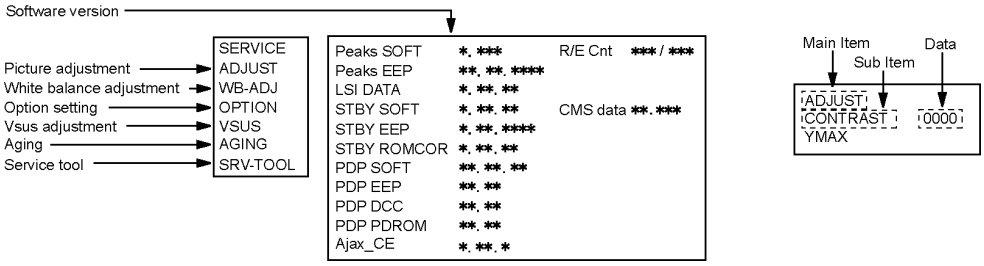
After exchange parts, check and adjust the contents of adjustment mode.

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

Note:

Service Mode can not be entered when 3D signal input.

Input 2D signal to enter Service Mode.



6.1.2. Key command

[1] button...Main items Selection in forward direction

[2] button...Main items Selection in reverse direction

[3] button...Sub items Selection in forward direction

[4] button...Sub items Selection in reverse direction

[VOL] button...Value of sub items change in forward direction (+), in reverse direction (-)

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	30	
	TINT	00	
	SUB-BRT	800	
WB-ADJ	R-CUT	80	
	G-CUT	80	
	B-CUT	80	
	R-DRV	FC	
	G-DRV	FF	
	B-DRV	8C	
	ALL-CUT	80	
	ALL-DRV	FF	
OPTION	Boot	ROM	Factory Preset
	STBY-SET	00	
	EMERGENCY	OFF	
	CLK MODE	00	
	CLOCK	000	
	EDID-CLK	HIGH	
	MIRROR	00 (See Option-Mirror)	
VSUS		LOW	See Vsus selection
AGING	ALL WHITE		Built-in test patterns can be displayed.
	ALL BLUE WITH WHITE OUTSIDE FRAME		
	ALL GREEN		
	ALL RED		
	LOW STEP WHITE		
	LOW STEP BLUE		
	LOW STEP GREEN		
	LOW STEP 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		
	ALL BLUE		
	DOUBLE FIXED 1% WINDOW		
	VERTICAL LINE SCROLL		
	ON/OFF OR WHITE		
	R/G/B/W ROTATION		
	HALF FIXED ALL WHITE		
	ALL WHITE WITH COUNT DISPLAY		
SRV-TOOL	-		See Service tool mode

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

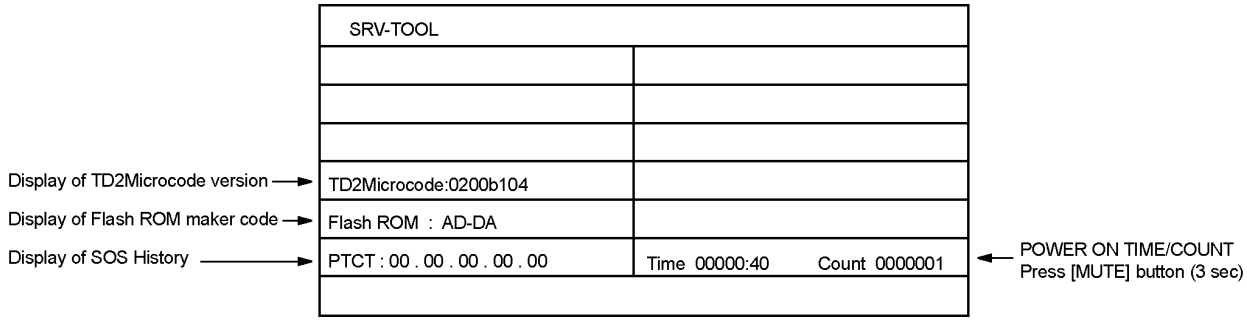


Hint : If the defective symptom (e.g. Vertical bar or Horizontal bar) is moved by selection of this mirror, the possible cause is in A-board.

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.

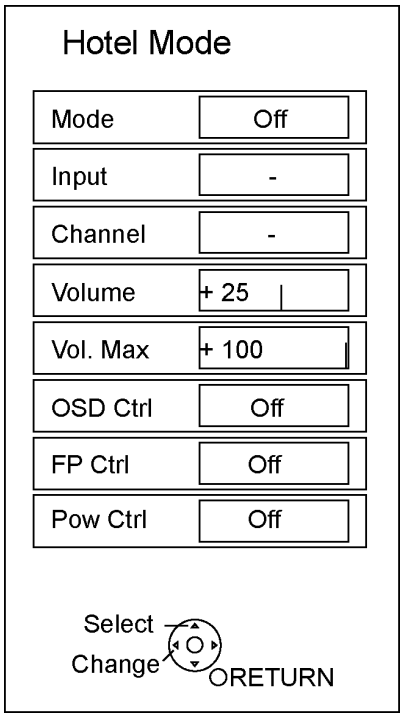
6.3.4. Exit

1. Disconnect the AC cord from wall outlet.

6.4. 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 [INPUT] 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

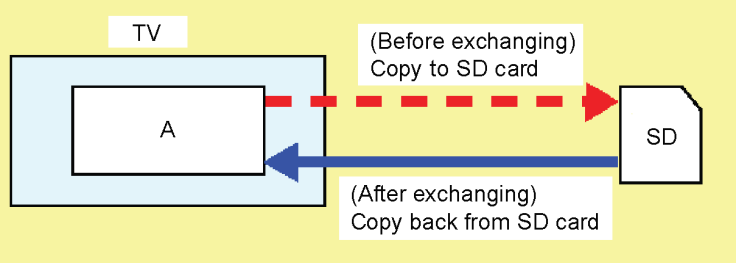
Item	Function
Mode	Select hotel mode On/Off
Input	Select input signal modes. Set the input, when each time power is switched on. Selection: -/RF/HDMI1/HDMI2/HDMI3/Component/ Video • Off: give priority to a last memory.
Channel	Select channel when input signal is RF. Set the channel, each time power is switched on. Selection: Any channel number or [-]. [-] means the channel when turns off.
Volume	Adjust the volume when each time power is switched on. Range: 0 to 100
Vol. Max	Adjust maximum volume. Range: 0 to 100
OSD Ctrl	Restrict the OSD. Selection: Off/Pattern1 • Off: No restriction • Pattern1: restriction
FP Ctrl	Select front key conditions. Selection: Off/Pattern1/All • Off: altogether valid. • Pattern1: only input key is valid. • All: altogether invalid.
Pow Ctrl	Select POWER-On/Off condition when AC power cord is disconnected and then connected. Off: The same condition when AC power cord is disconnected. On: Forced power ON condition.

6.5. Data Copy by SD Card

6.5.1. Purpose

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

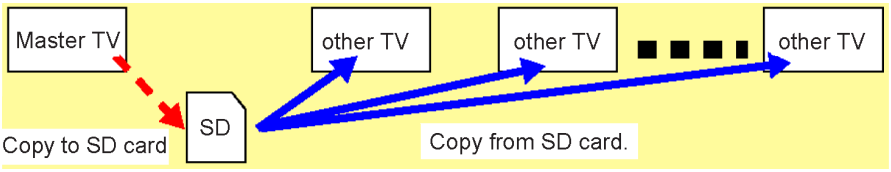
When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



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

6.5.2. 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.

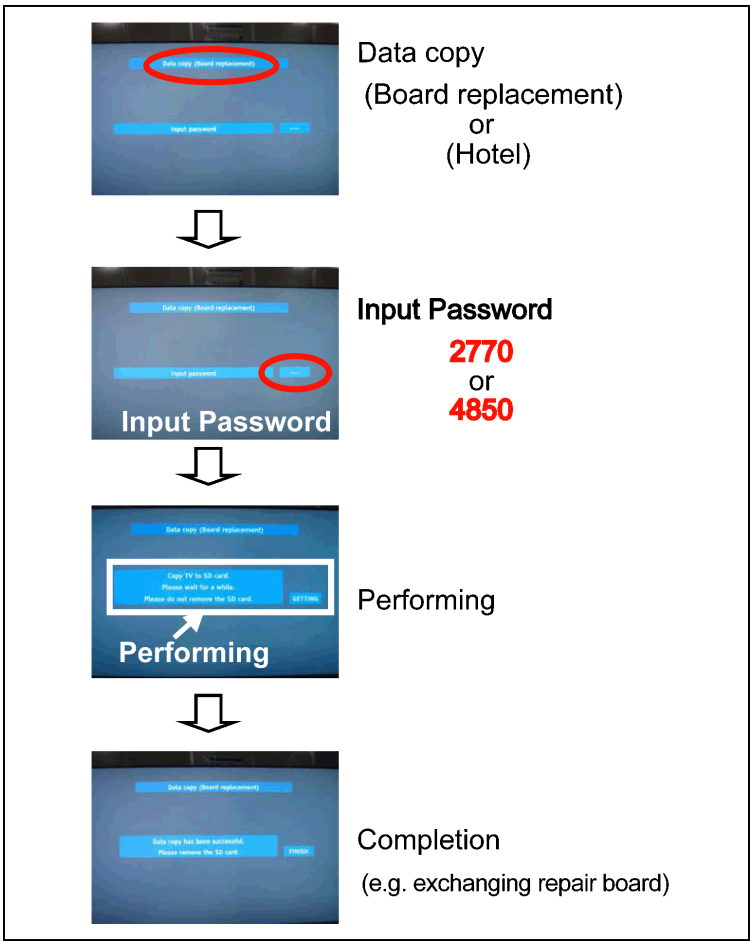
No any other file should not be in SD card.

6.5.3. 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

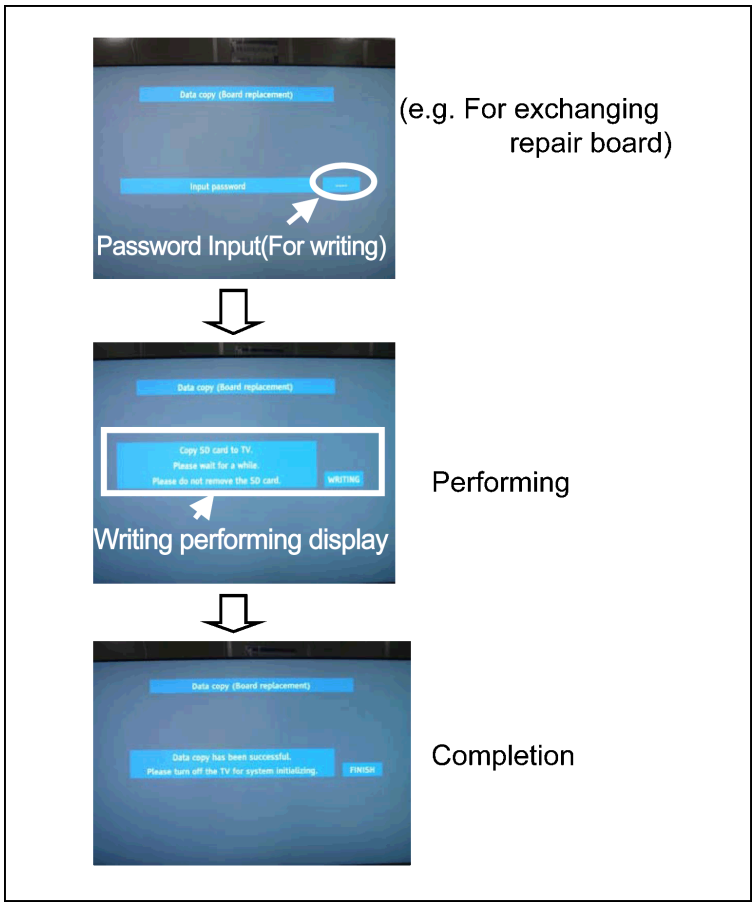


6.5.4. Data copy from SD Card to TV set

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.

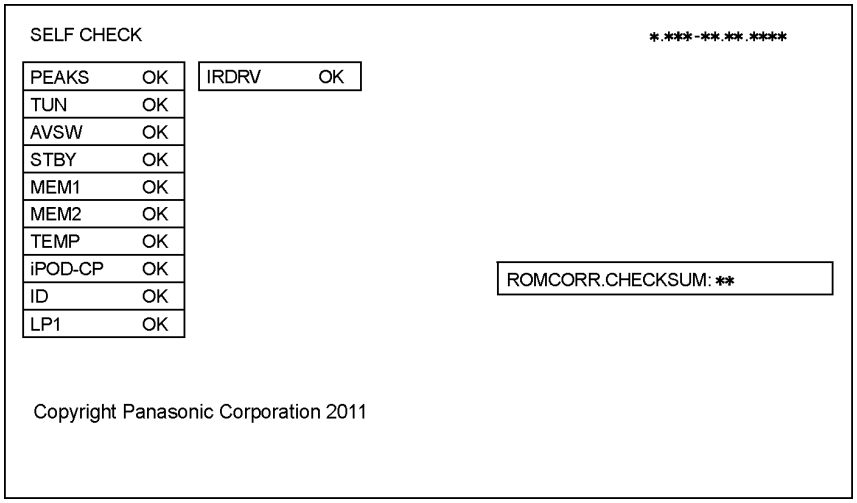
7.1.1.2. Self-check indication and forced to factory shipment setting:

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. Exit

Disconnect the AC cord from wall outlet.

7.1.3. Screen display



7.1.4. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Check Ref. No.	Description	Check P.C.B.
PEAKS	IC8000	PEAKS-LDA3	A-Board
TUN	TU4801	TUNER	A-Board
AVSW	IC3001	AUDIO/VIDEO SW	A-Board
STBY	IC8000	PEAKS-LDA3 (STM)	A-Board
MEM1	IC8902	PEAKS EEPROM	A-Board
MEM2	IC8901	STM EEPROM	A-Board
TEMP	IC3753	TEMP SENSOR	A-Board
iPOD-CP	IC3900	iPOD-CP	A-Board
ID			A-Board
LP1	IC9300	LP1	A-Board
IRDRV	IC5901	IR LED DRIVER	A-Board

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 LP1 Start SOS	-
3	P+ 3.3V SOS	A-Board
4	Power SOS	P-Board
5	P+ 5V SOS	A-Board
6	Driver SOS1 (SC Energy recovery circuit) (A-SC FPC DET)	SC-Board A-SC FPC
7	Driver SOS2 (SU/SD Connector DET) (SU/SD Scan and Logic IC)	SU-Board SD-Board *
8	Driver SOS3 (SS FPC DET) (SS Energy recovery circuit)	SS-Board SS FPC
9	Discharge Control SOS	A-Board
10	Sub 5V SOS Sub 3.3V SOS Tuner power SOS	A-Board SC-Board SS-Board P-Board
12	Sound SOS	A-Board Speaker
13	Emergency SOS	A-Board
14	IR LED SOS	A-Board

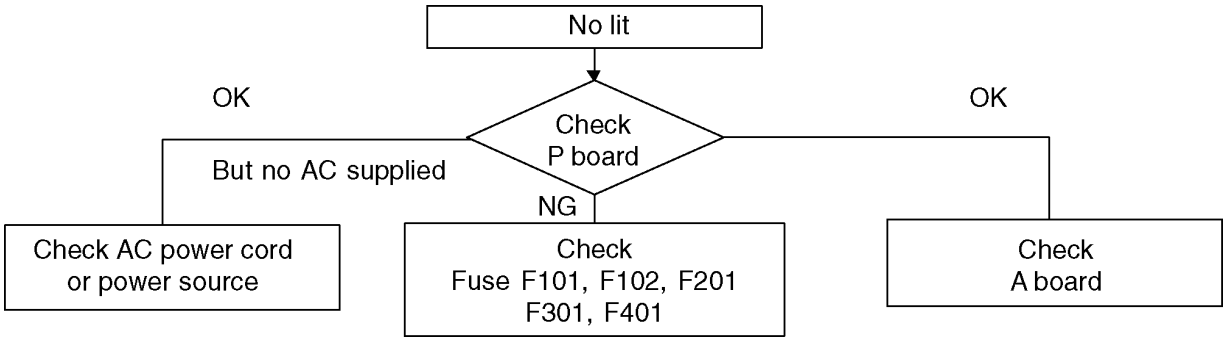
*Use SC jig to isolate the board.

7.3. No Power

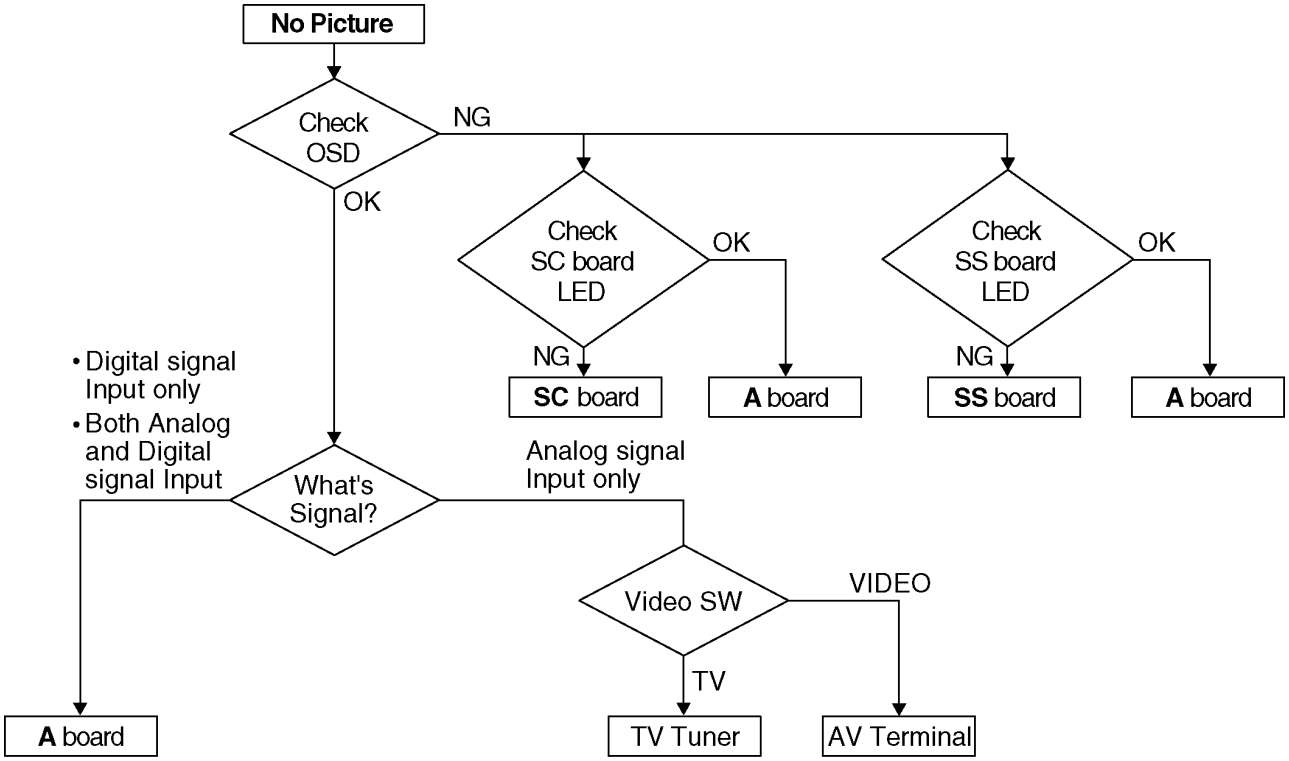
First check point

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

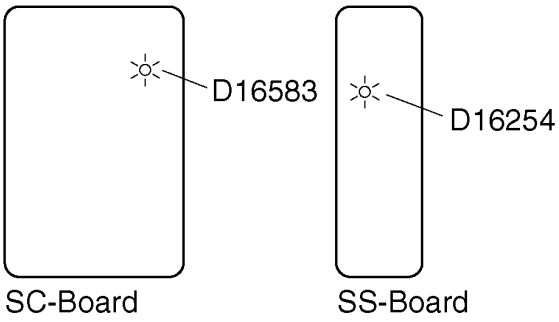
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 7.2.)



7.4. No Picture

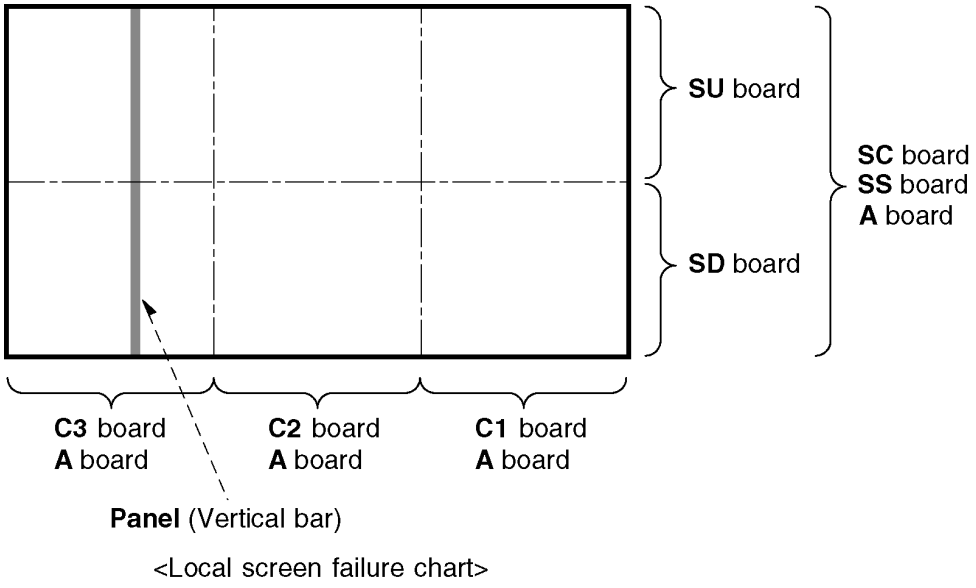


Drive circuits LED indicator



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 Service Fixture & Tools

8.1. SC jig

Purpose:

To find the failure board (SC or SU/SD) when the power LED is blinking 7 times.

SC jig:

Jumper connector to connect to SC50 connector on SC board

Part number:

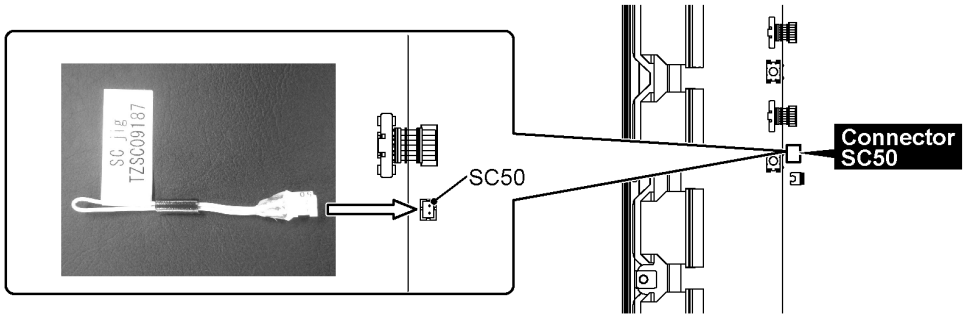
TZSC09187

How to use:

Caution: Remove SC jig from SC board after inspection.

1. Remove all connector between SC board and SU/SD board to isolate SC board from both SU and SD board electrically.
   Note: The board will be damaged if all connector is not removed (for example; remove connector only for SU board and stay connecting with SD board. The board will be damaged.)
2. Connect SC jig to connector SC50 at left bottom side of SC board
3. Turn on the TV/Display Unit and confirm the power LED blinking.
   LED blinking: Possible cause of failure is in SC board
   No LED blinking (Lighting or no lighting): Possible cause of failure is in SU or SD board
4. After inspection, turn off the TV/Display Unit and wait a few minutes to discharge.
5. Remove SC jig from SC board.

Remark: This SC jig can be used for all 2011 Plasma TV and Plasma Display.



9 Disassembly and Assembly Instructions

9.1. Remove the Rear cover

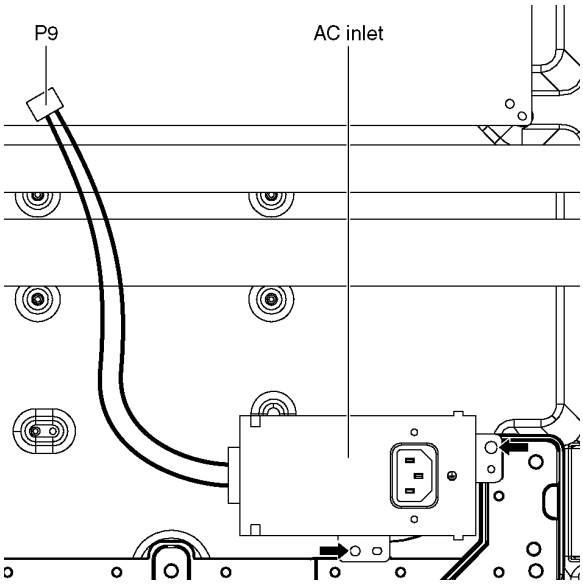
1. See PCB Layout (Section 3)

9.2. Remove the AC inlet

Caution:

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

1. Unlock the cable clampers to free the cable.
2. Disconnect the connector (P9).
3. Remove the screws (×2 ➡) and remove the AC inlet.

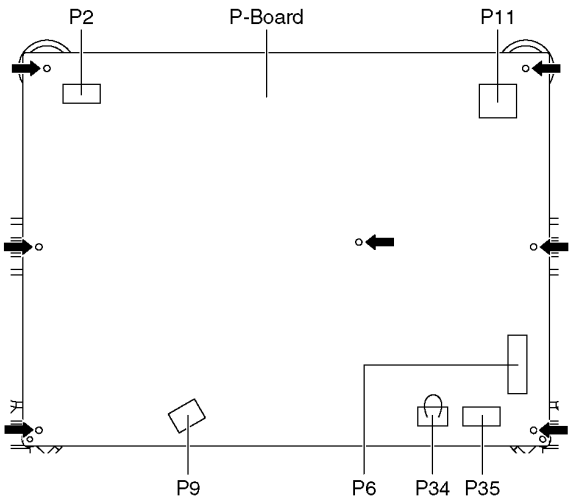


9.3. Remove the P-Board

Caution:

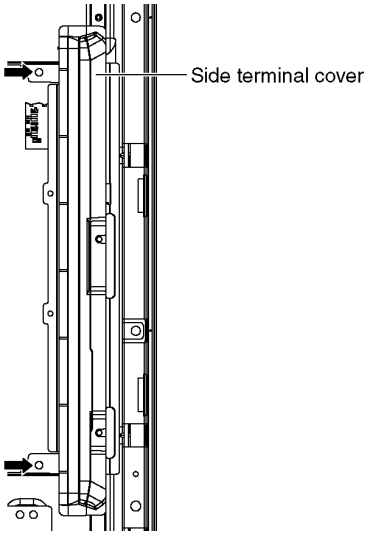
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable
2. Disconnect the connectors (P2, P6, P9, P11 and P35).
3. Disconnect a short-jumper connector P34 and re-use for new P-Board.
4. Remove the screws (×7 ➡) and remove the P-Board.



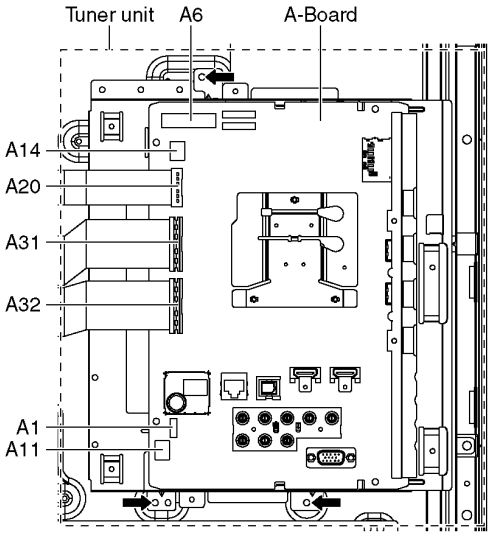
9.4. Remove the Side terminal cover

1. Remove the screws (×2 ➡).
2. Remove the Side terminal cover.



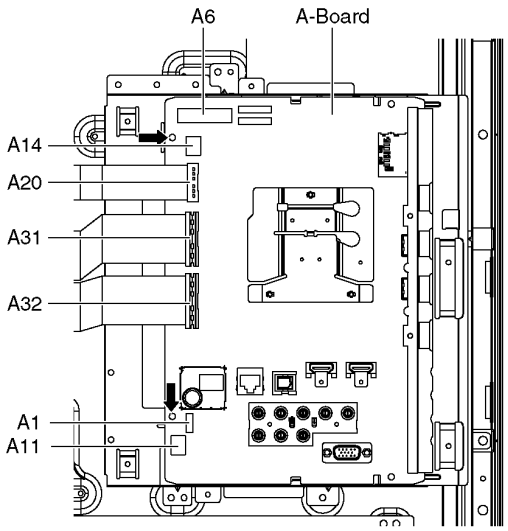
9.5. Remove the Tuner unit

1. Remove the Side terminal cover. (See section 9.4.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (A1, A6, A11 and A14).
4. Disconnect the flexible cables (A20, A31 and A32).
5. Remove the screws (×3 ➡) and remove the Tuner unit.



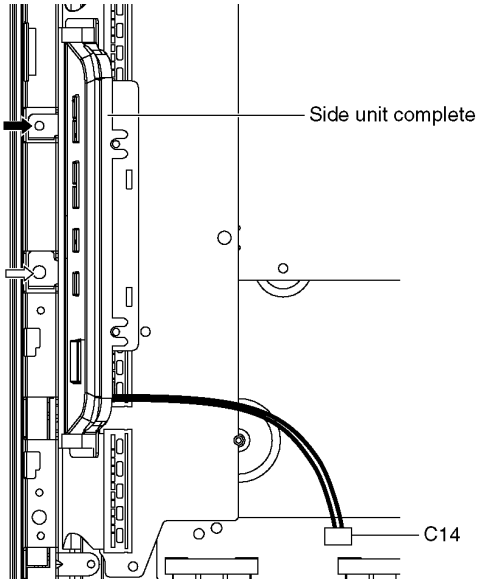
9.6. Remove the A-Board

1. Remove the Tuner unit. (See section 9.5.)
2. Remove the screws (×2 ➡) and remove the A-Board.

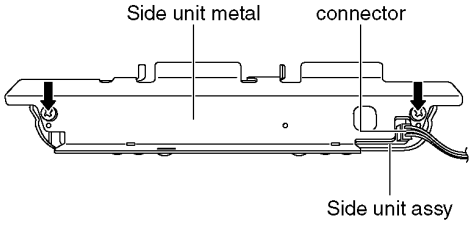


9.7. Remove the Side unit assy

1. Disconnect the connector (C14).
2. Remove the screws (×1 ➡, ×1 ⇨) and remove the Side unit complete.

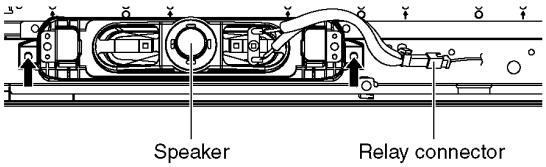


3. Remove the screws (×2 ➡).
4. Disconnect the connector.
5. Remove the Side unit assy from the Side unit metal.



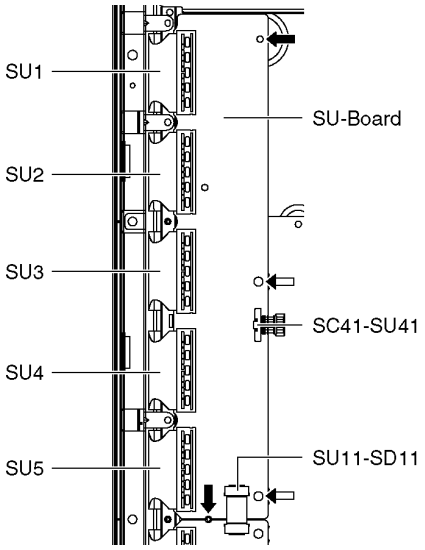
9.8. Remove the Speakers

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



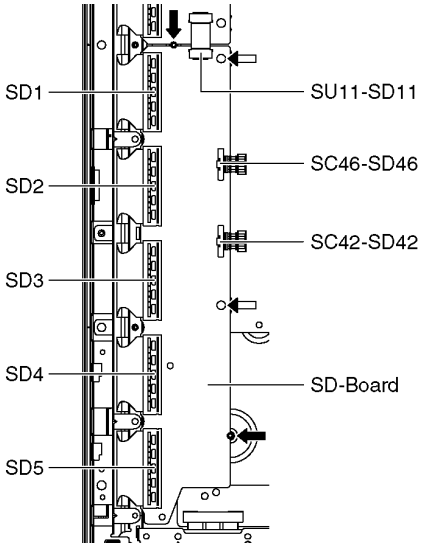
9.9. Remove the SU-Board

1. Disconnect the flexible cables (SU1, SU2, SU3, SU4 and SU5) connected to the SU-Board.
2. Disconnect the flexible cable (SU11-SD11) and the bridge connector (SC41-SU41).
3. Remove the screws (×2 ➡, ×2 ⇨) and remove the SU-Board.



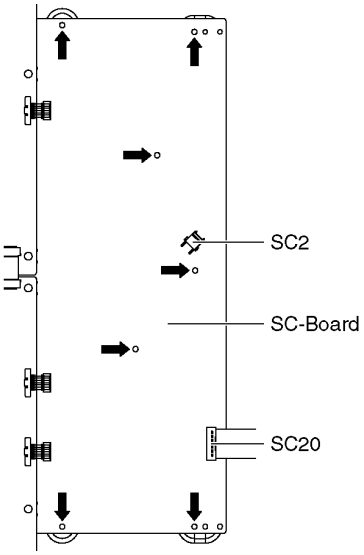
9.10. Remove the SD-Board

1. Disconnect the flexible cables (SD1, SD2, SD3, SD4 and SD5) connected to the SD-Board.
2. Disconnect the flexible cable (SU11-SD11) and the bridge connectors (SC42-SD42 and SC46-SD46).
3. Remove the screws (×2 ➡, ×2 ⇨) and remove the SD-Board.



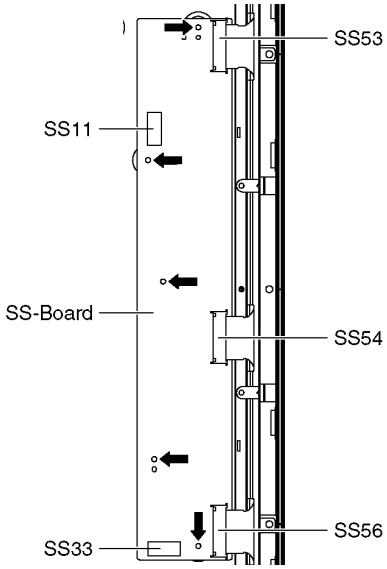
9.11. Remove the SC-Board

1. Remove the SU-Board and SD-Board. (See section 9.9. and 9.10.)
2. Disconnect the connector (SC2).
3. Disconnect the flexible cable (SC20).
4. Remove the screws (×7 ➡) and remove the SC-Board.



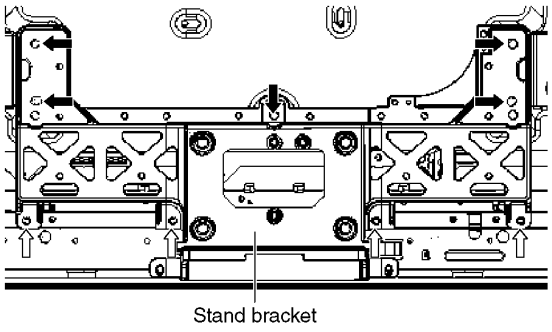
9.12. Remove the SS-Board

1. Remove the Tuner unit. (See section 9.5.)
2. Disconnect the connector (SS11).
3. Disconnect the flexible cable (SS33).
4. Disconnect the flexible cables (SS53, SS54 and SS56).
5. Remove the screws (×5 ➡) and remove the SS-Board.



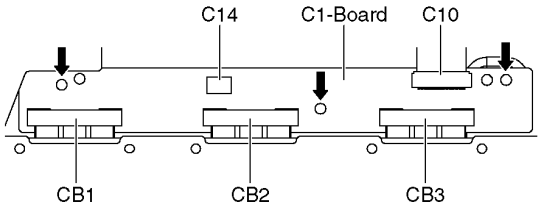
9.13. Remove the Stand bracket

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 AC inlet. (See section 9.2.)
3. Remove the Stand bracket fastening screws (×5 ➡, ×4 ⇨) and the Stand bracket.



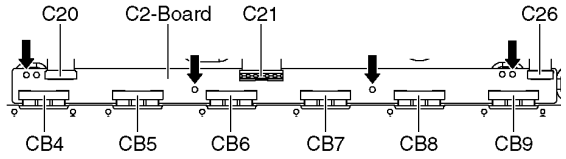
9.14. Remove the C1-Board

1. Disconnect the flexible cables (CB1, CB2 and CB3).
2. Disconnect the flexible cable (C10).
3. Disconnect the connector (C14).
4. Remove the screws (×3 ➡) and remove the C1-Board.



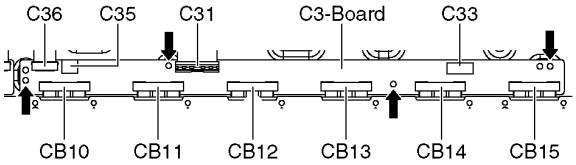
9.15. Remove the C2-Board

1. Remove the Stand bracket. (See section 9.13.)
2. Disconnect the flexible cables (CB4, CB5, CB6, CB7, CB8 and CB9).
3. Disconnect the flexible cables (C20, C21 and C26).
4. Remove the screws (×4 ➡) and remove the C2-Board.



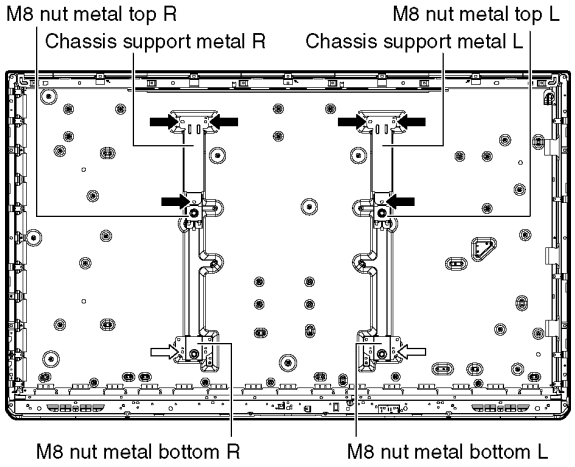
9.16. Remove the C3-Board

1. Remove the Stand bracket. (See section 9.13.)
2. Disconnect the flexible cables (CB10, CB11, CB12, CB13, CB14 and CB15).
3. Disconnect the flexible cables (C31, C33 and C36).
4. Disconnect the connector (C35).
5. Remove the screws (×4 ➡) and remove the C3-Board.



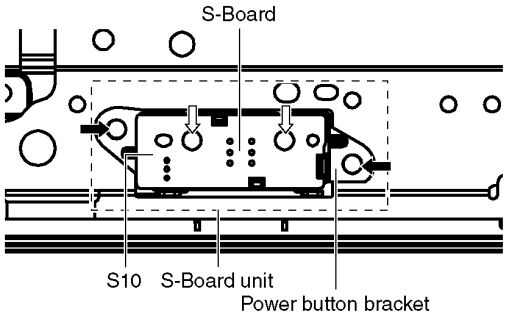
9.17. Remove the Chassis support metal and the M8 nut metals

1. Remove the Stand bracket. (See section 9.13.)
2. Remove the screws (×3 ➡ each) and remove the Chassis support metal (L, R) and the M8 nut metal top (L, R).
3. Remove the screw (×1 ⇨ each) and remove the M8 nut metal bottom (L, R).



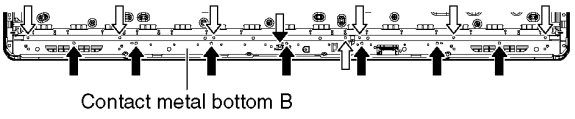
9.18. Remove the S-Board

1. Remove the screws (×2 ➡) and remove the S-Board unit.
2. Remove the screws (×2 ⇨).
3. Disconnect the connector (S10) and remove the S-Board from the Power button bracket.



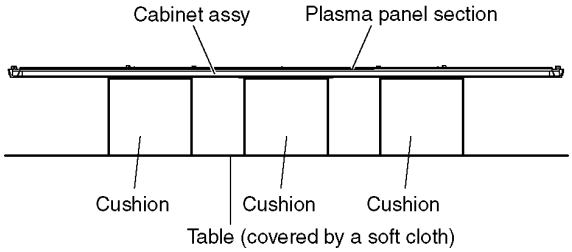
9.19. Remove the Contact metal bottom B

1. Remove the Stand bracket. (See section 9.13.)
2. Remove the screws (×7 ➡, ×7 ⇨, ×1 ➡).
3. Remove the Contact metal bottom B.

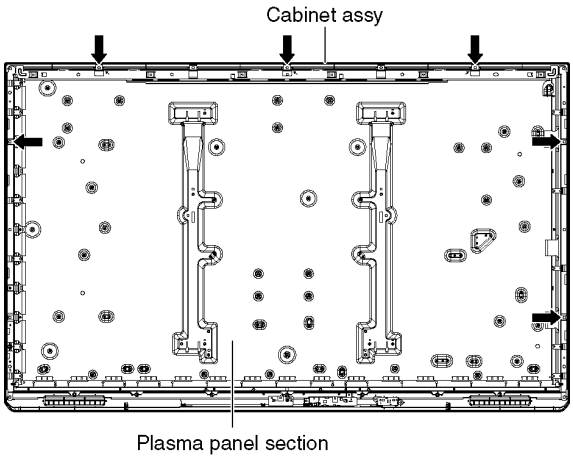


9.20. Remove the Plasma panel section from the Cabinet assy.

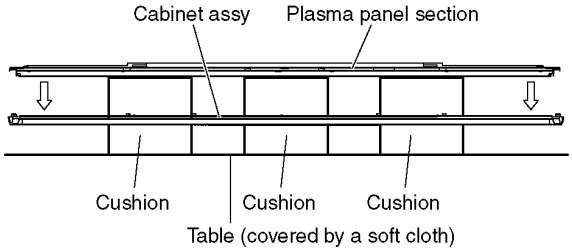
1. Place the Cabinet assy on a flat surface of a table (covered by a soft cloth) and a cushion.



2. Remove the Contact metal bottom B. (See section 9.19.)
3. Remove the screws (×6 ➡).

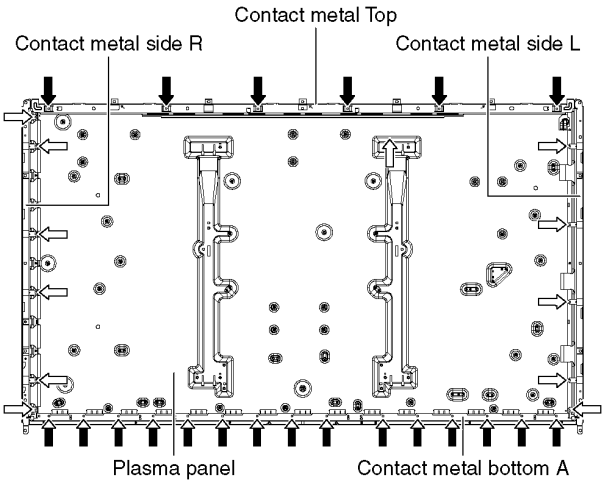


4. Remove the Plasma panel section from the Cabinet assy.



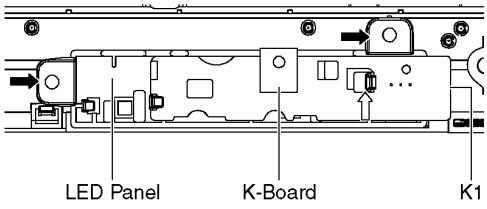
9.21. Remove the Contact metals

1. Remove the Cabinet assy. (See section 9.20.)
2. Remove the Tape from the Contact metals.
3. Remove the screws (×11 ⇨).
4. Remove the Contact metal side (L, R).
5. Remove the screws (×6 ➡).
6. Remove the Contact metal top.
7. Remove the screws (×15 ➡).
8. Remove the Contact metal bottom A.



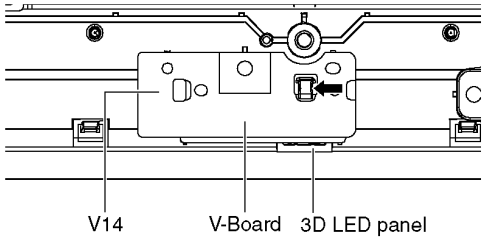
9.22. Remove the K-Board

1. Remove the Contact metal bottom B. (See section 9.19.)
2. Remove the screws (×2 ➡).
3. Remove the claw (×1 ⇨).
4. Disconnect the connector (K1) and remove the K-Board from the LED Panel.



9.23. Remove the V-Board

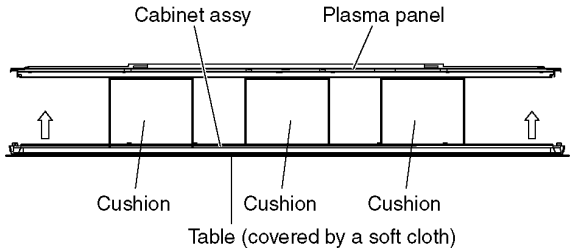
1. Remove the Contact metal bottom B. (See section 9.19.)
2. Remove the Claw (×1 ➡).
3. Disconnect the connector (V14) and remove the V-Board from the 3D LED panel.



9.24. 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 metals.

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.

10 Measurements and Adjustments

10.1. Adjustment

10.1.1. Vsus selection

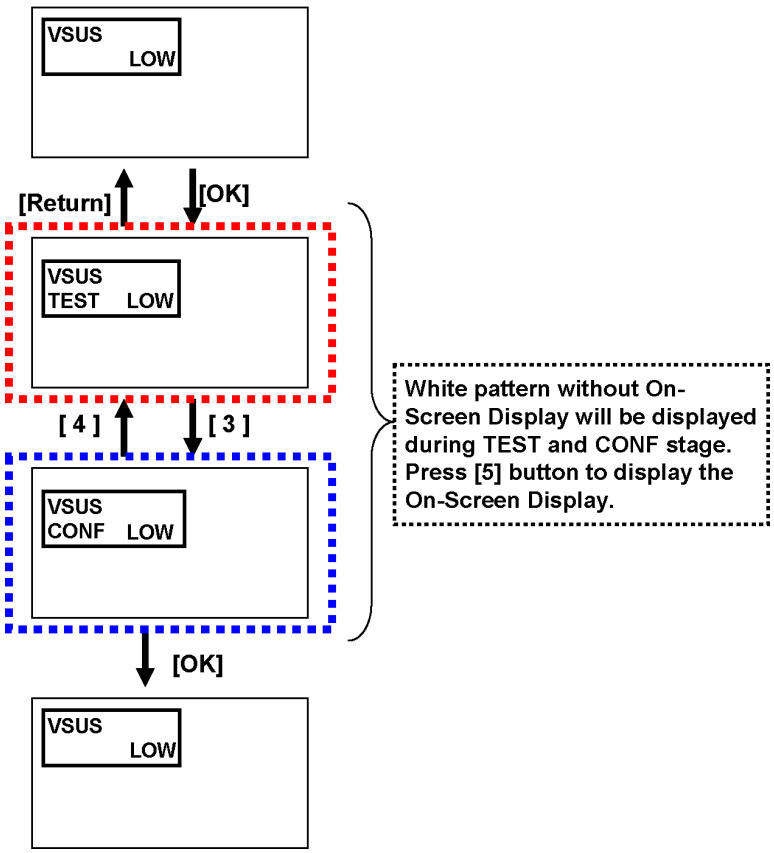
Caution:

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

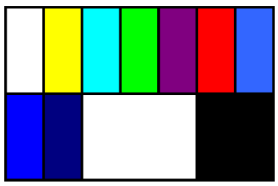
Procedure

1. Go into main item [VSUS] in Service Mode. LOW 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. In LOW setting
   If no several dead pixel is visible remarkably in white pattern, press [3] button to go to CONF stage.
4. Press [OK] button in CONF stage to store LOW.
5. Exit Service Mode by pressing [Power] button.

Vsus selection in Service mode



10.1.2. RF video sub contrast adjustment

Instrument Name	Remarks
1. REMOTE TRANSMITTER 2. RF analog signal (Sprit color bar. The pattern for adjustment must contain 100% white part.)	
Adjustment or Inspection Procedure	**Remarks**
1. Receive the sprit color bar with RF analog signal. (ASPECT FULL, Picture menu: Vivid) 2. Enter Service mode menu, and select ADJUST -- CONTRAST. Pushing the remote controller [OK] key for about 3 seconds, GAIN is suited to the adjustment value automatically.  (The Sprit Color Bar Pattern) EEPROM address (Peaks)	

		adr
sub_contrast	RF_NTSC	0150
		0151

10.1.3. White balance adjustment

Name of measuring instrument	Remarks
Color analyzer (Minolta CA-100 or equivalent) **Note:** The CA-100 which was calibrated to less than +-0.001 with CS-1000.	**Note:** When white balance adjustment is executed, The TV set should be display some video signal, or select VIDEO input (with no signal) or select component input (with no signal). WB adjustment function will not be worked when digital TV (with no signal) or HDMI input (with no signal) is selected.
Steps	Remarks
• Make sure the front panel to be used on the final set is fitted. • Make sure a color signal is not being shown before adjustment. • Put the color analyzer where there is little color variation. 1. Set to Service mode, WB-ADJ. 2. Select [VIVID] for picture menu. 3. Select [Cool] for color temperature. 4. Push [5] key of remote controller to display window pattern. 5. Confirm the brightness. The following is the confirmation value. TC-P50ST30 90cd/m2 or more 6. Set [R-CUT] [G-CUT] [B-CUT] the values written in table 1. 7. Attach the sensor of color analyzer to the center of window pattern. 8. Fix G drive at [C0] and adjust [B-DRV] and [R-DRV] so x, y value of color analyzer become the [Color temperature High] in table 2. 9. Increase RGB together so the maximum drive value in RGB becomes [FF]. That is, set [ALL DRIVE] to [FF]. Execute adjustment again. When that, the maximum value of R/G/B DRV should be [FF], and either R/G/B DRV should be [FF]. 10. The average of the adjusted values in color temperature Cool, Mid, and Warm is shown in Table 4. The setting value for color temperature Mid will be calculated by multiplying the adjusted value of color temperature Cool to the ratio of the value of Cool and Mid in each GBR value in Table 4. Write that values to the data area of color temperature Mid in EEPROM. 11. The setting value for color temperature Warm will be calculated by multiplying the adjusted value of color temperature Cool to the ratio of the value of Cool and Warm in each GBR value in Table 4. Write that values to the data area of color temperature Warm in EEPROM.	**Note:** Adjusted value must be written to both SD data area and HD data area of the EEPROM.

Table 1: R-CUT,G-CUT,B-CUT setting data

Color temperature	R-CUT	G-CUT	B-CUT
High(Cool)	80	80	80
Mid	80	80	80
Low(Warm)	80	80	80

Table 2: W/B adjustment values

Color temperature	x	y
High(Cool)	0.276	0.280
Mid	0.288	0.303
Low(Warm)	0.313	0.329

Table 3: EEPROM data addresses

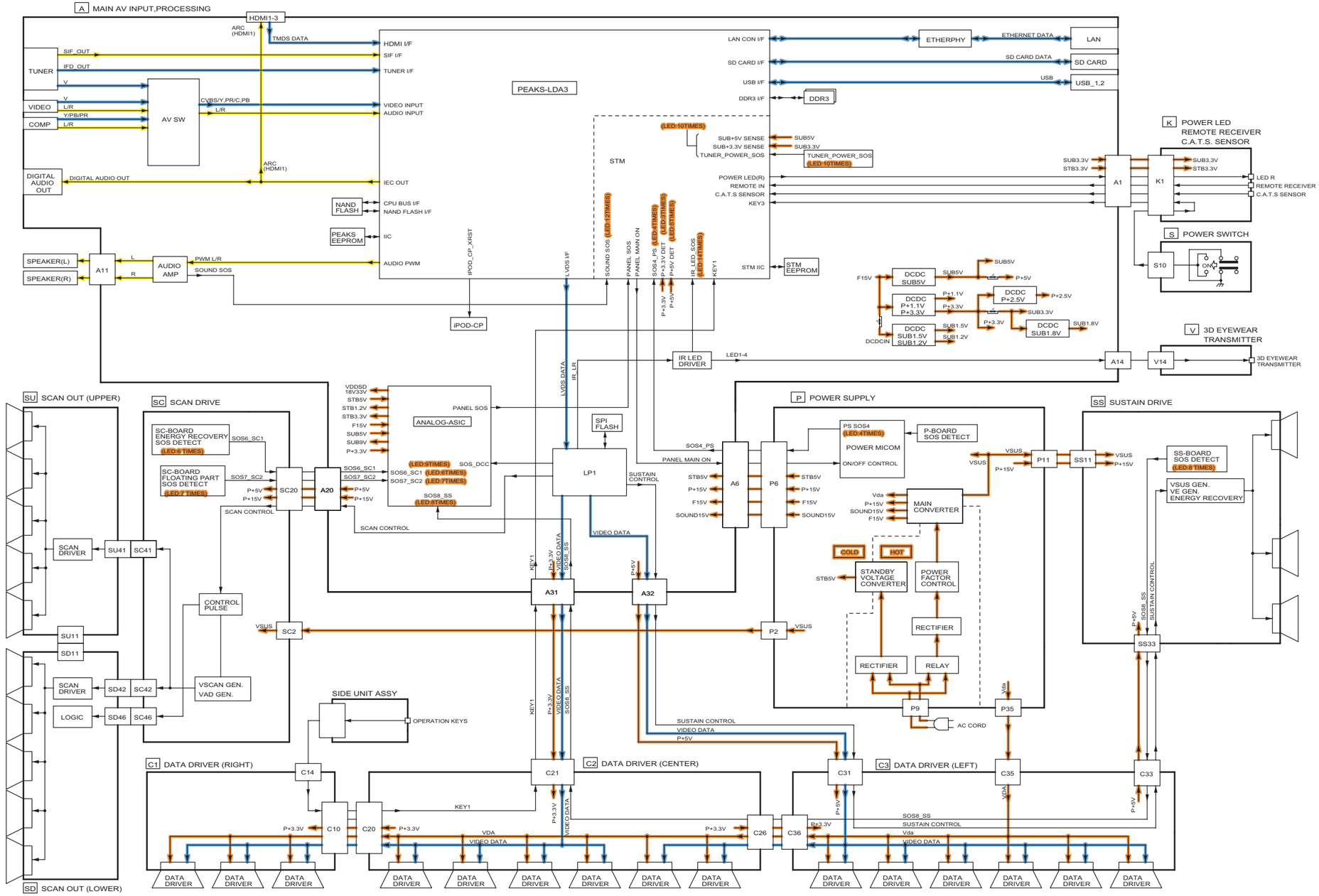
SD Color temperature High	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	017C 017D 017E 017F 0180 0181
SD Color temperature Mid	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	0182 0183 0184 0185 0186 0187
SD Color temperature Low	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	0188 0189 018A 018B 018C 018D
HD Color temperature High	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	018E 018F 0190 0191 0192 0193
HD Color temperature Mid	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	0194 0195 0196 0197 0198 0199
HD Color temperature Low	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	019A 019B 019C 019D 019E 019F

Table 4: EEPROM data addresses

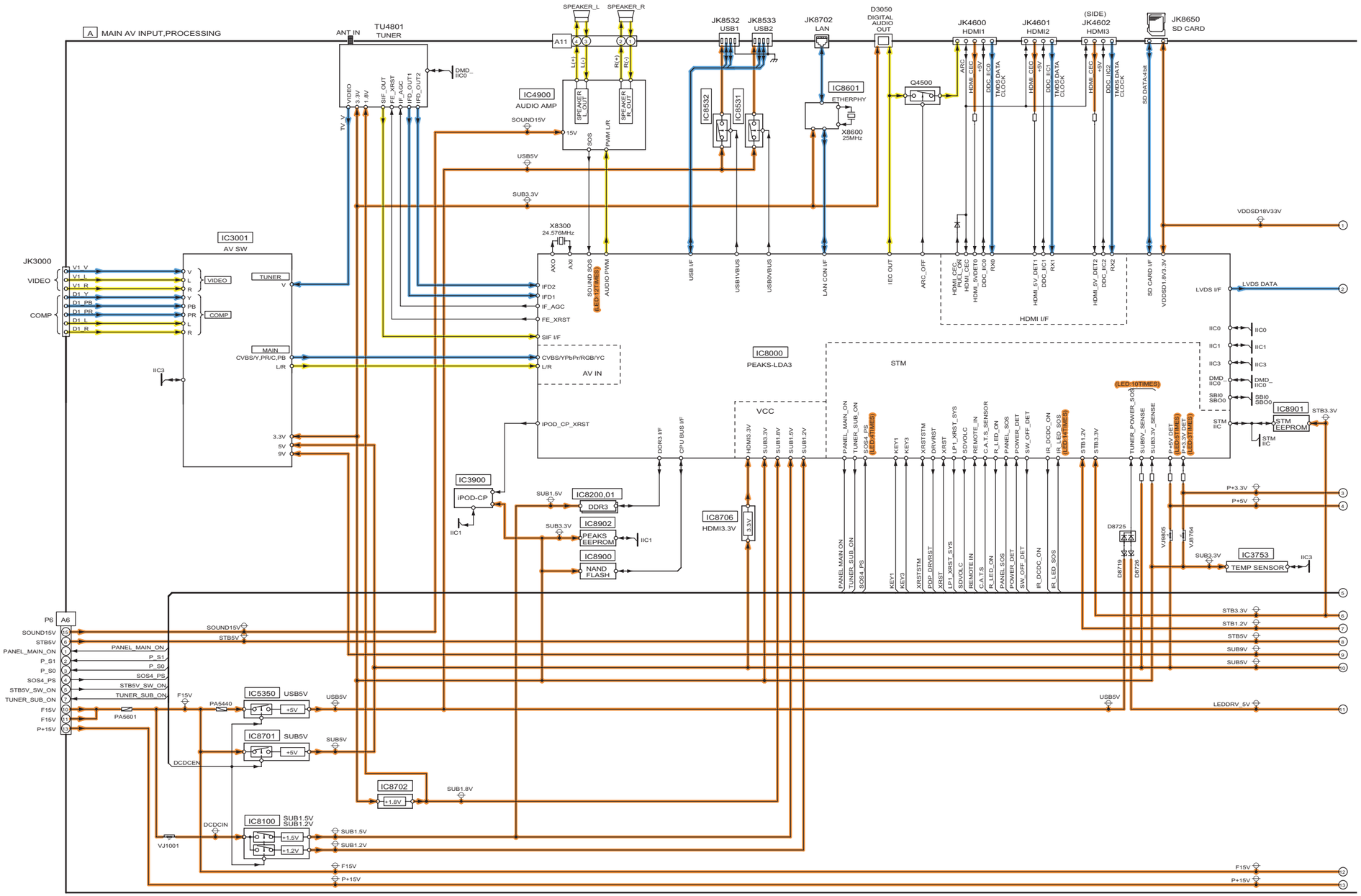
SD Color temperature High DIFF	R-CUTOFF	01A0
	G-CUTOFF	01A1
	B-CUTOFF	01A2
	R-DRIVE	01A3
	G-DRIVE	01A4
	B-DRIVE	01A5
SD Color temperature Mid DIFF	R-CUTOFF	01A6
	G-CUTOFF	01A7
	B-CUTOFF	01A8
	R-DRIVE	01A9
	G-DRIVE	01AA
	B-DRIVE	01AB
SD Color temperature Low DIFF	R-CUTOFF	01AC
	G-CUTOFF	01AD
	B-CUTOFF	01AE
	R-DRIVE	01AF
	G-DRIVE	01B0
	B-DRIVE	01B1
HD Color temperature High DIFF	R-CUTOFF	01B2
	G-CUTOFF	01B3
	B-CUTOFF	01B4
	R-DRIVE	01B5
	G-DRIVE	01B6
	B-DRIVE	01B7
HD Color temperature Mid DIFF	R-CUTOFF	01B8
	G-CUTOFF	01B9
	B-CUTOFF	01BA
	R-DRIVE	01BB
	G-DRIVE	01BC
	B-DRIVE	01BD
HD Color temperature Low DIFF	R-CUTOFF	01BE
	G-CUTOFF	01BF
	B-CUTOFF	01C0
	R-DRIVE	01C1
	G-DRIVE	01C2
	B-DRIVE	01C3

11 Block Diagram

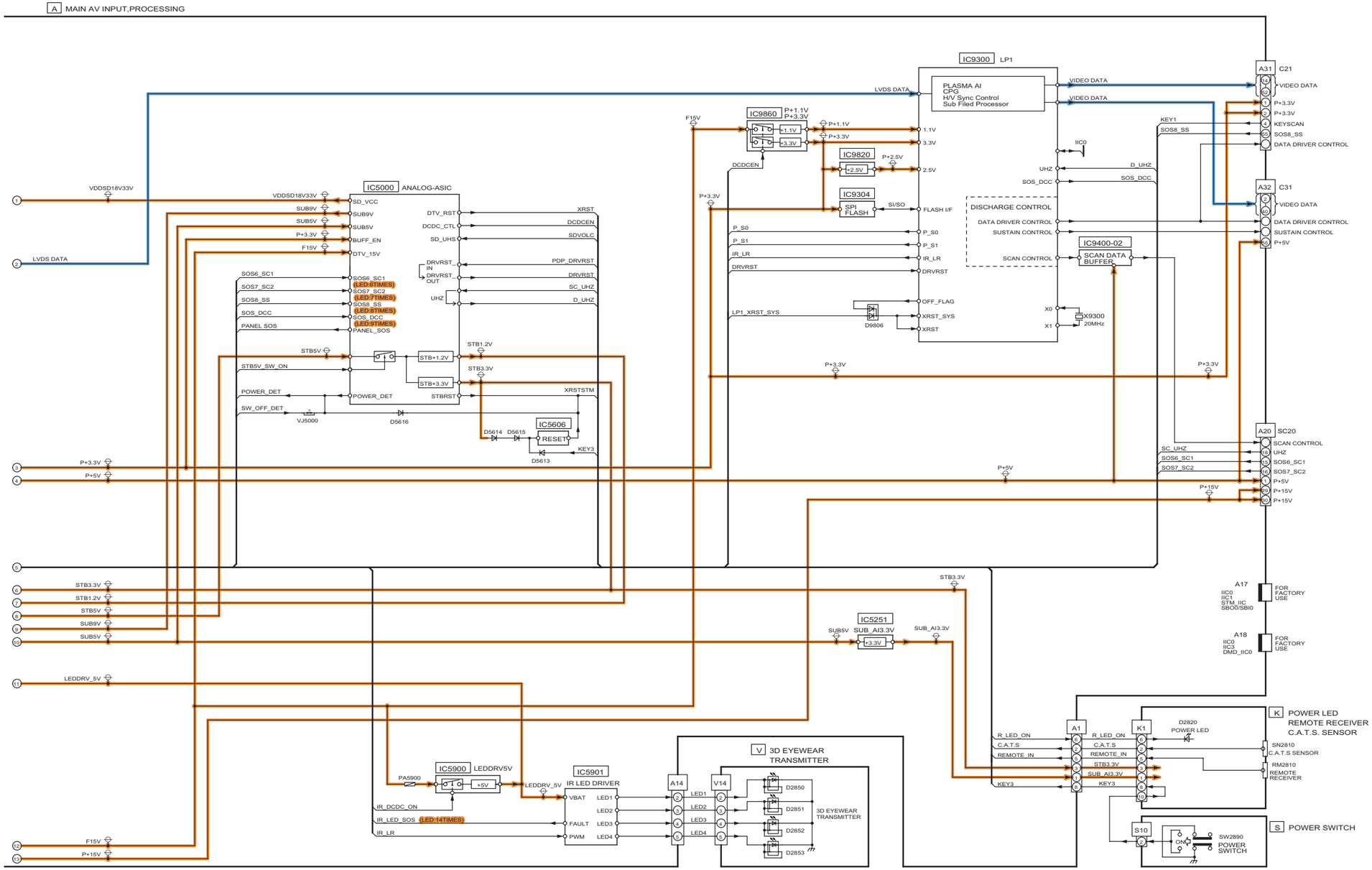
11.1. Main Block Diagram



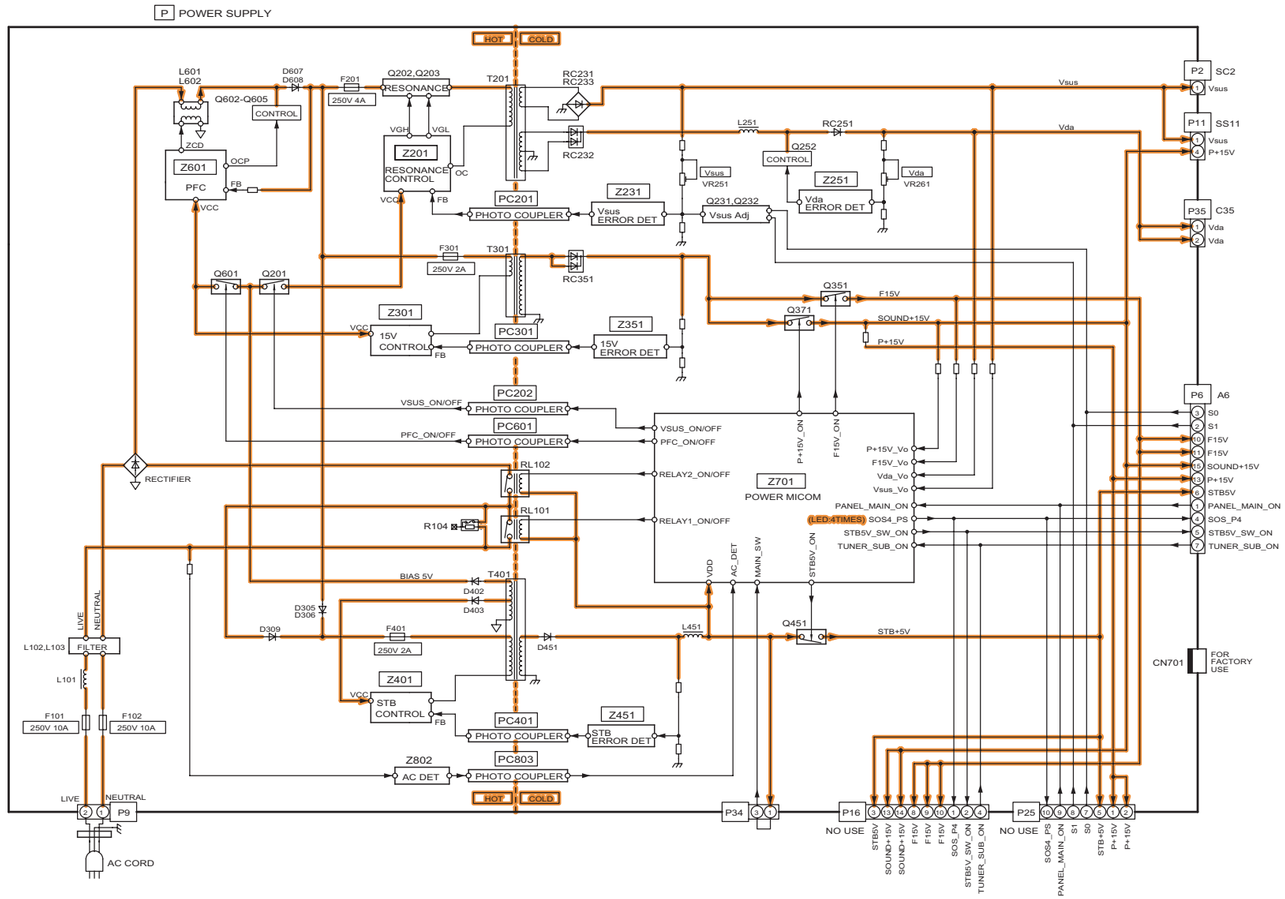
11.2. Block (1/4) Diagram



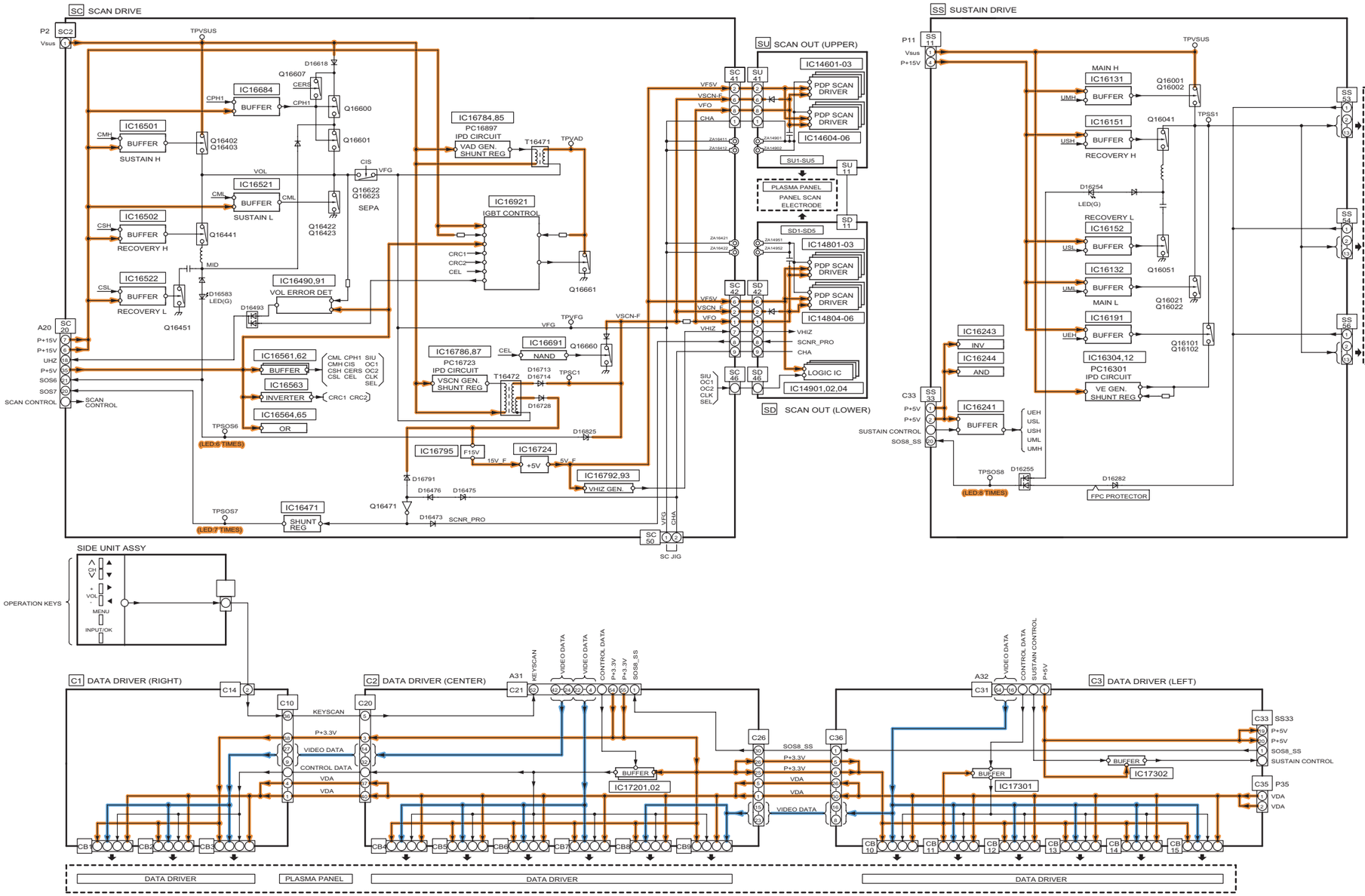
11.3. Block (2/4) Diagram



11.4. Block (3/4) Diagram



11.5. Block (4/4) Diagram



12 Wiring Connection Diagram

12.1. Caution statement.

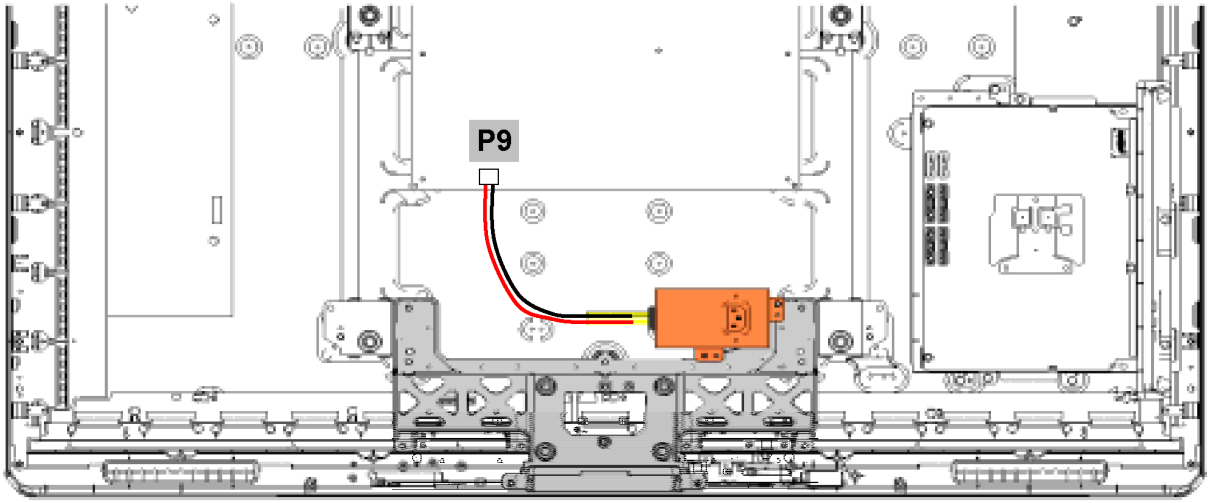
Caution:

Please confirm that all flexible cables are assembled correctly.

Also make sure that they are locked in the connectors.

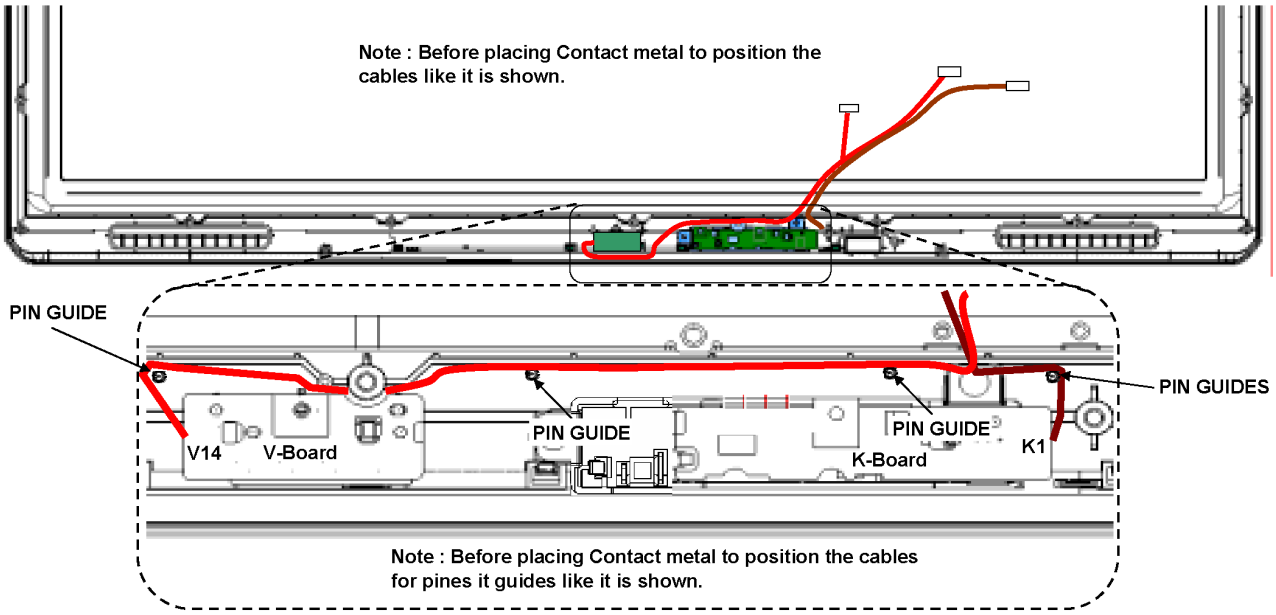
Verify by giving the flexible cables a very slight pull.

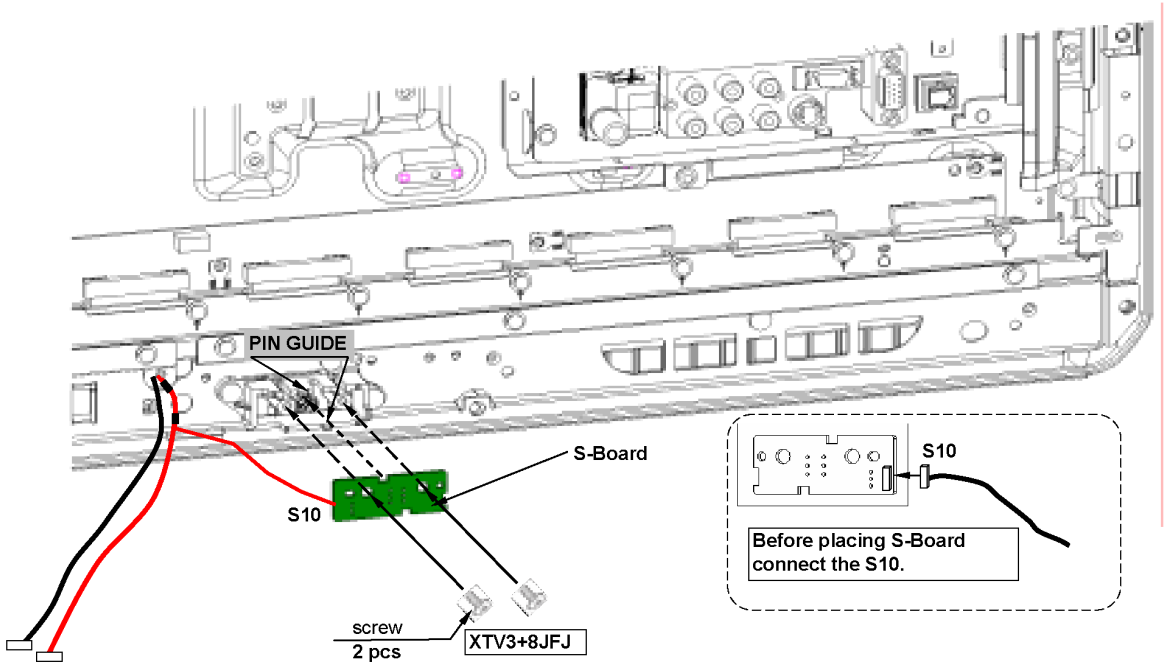
12.2. Wiring (1)



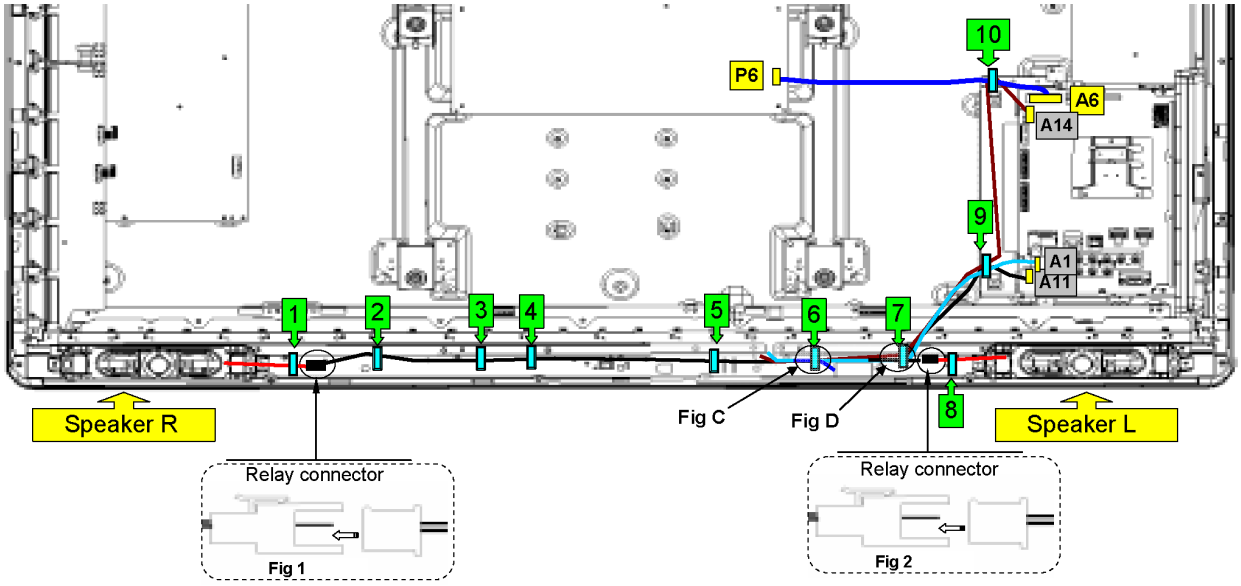
12.3. Wiring (2)

It carries to an extreme caution of not damaging the cable of each connector.





12.4. Wiring (3)

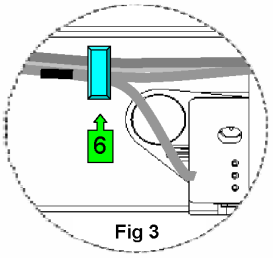


CONECTORES	1	2	3	4	5	6	7	8	9	10
A11-SPR/SPL		●	●	●	●	●	●		●	●
Speaker R	●									
Speaker L								●		
A14-V14						●	●		●	
K1-A1						●	●		●	
WIRE(A6-P6)										●

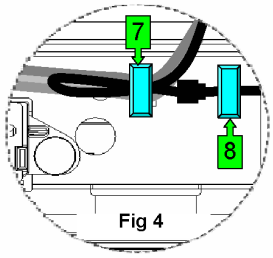
Connect the Relay connector between clamping 1 and 2.

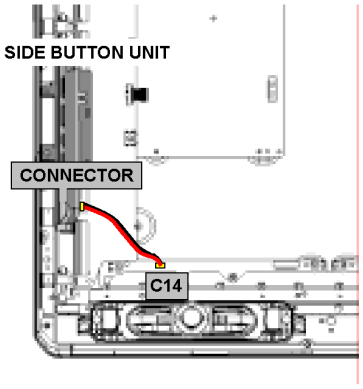
Connect the Relay connector between clamping 7 and 8.

Fix the cables by clamper 6 as shown fig 3.

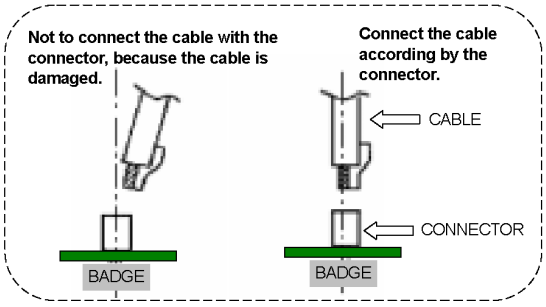


Fix the cables by clamper 7 as shown fig 4.

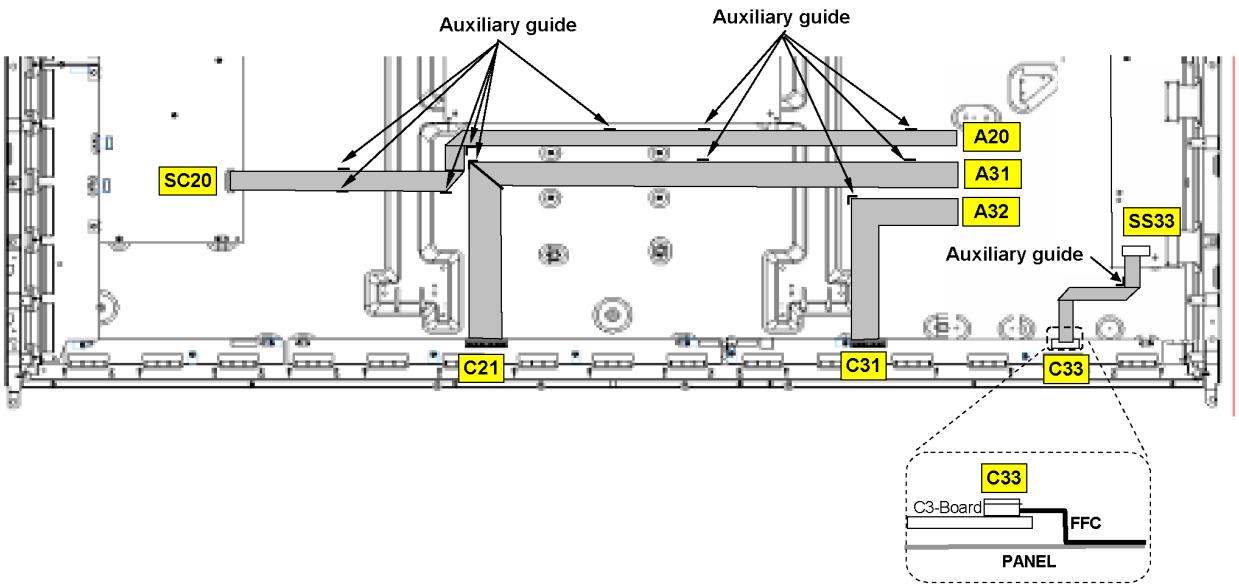


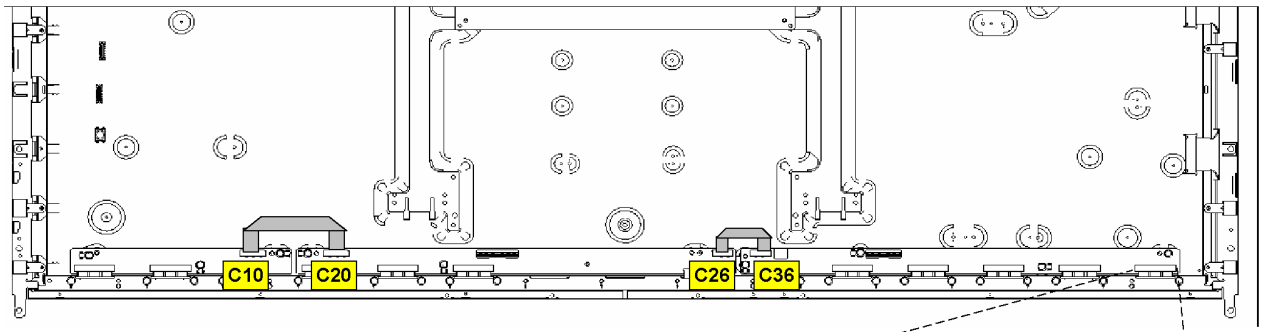


Caution



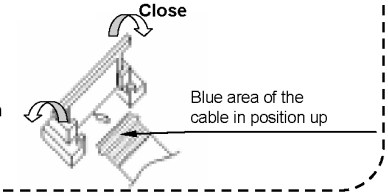
12.5. Wiring (4)



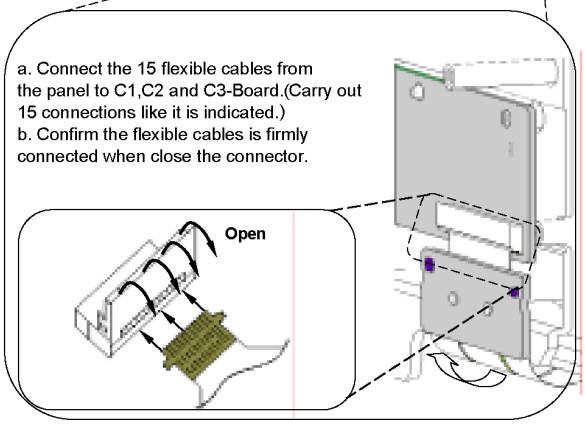


Detail to connect

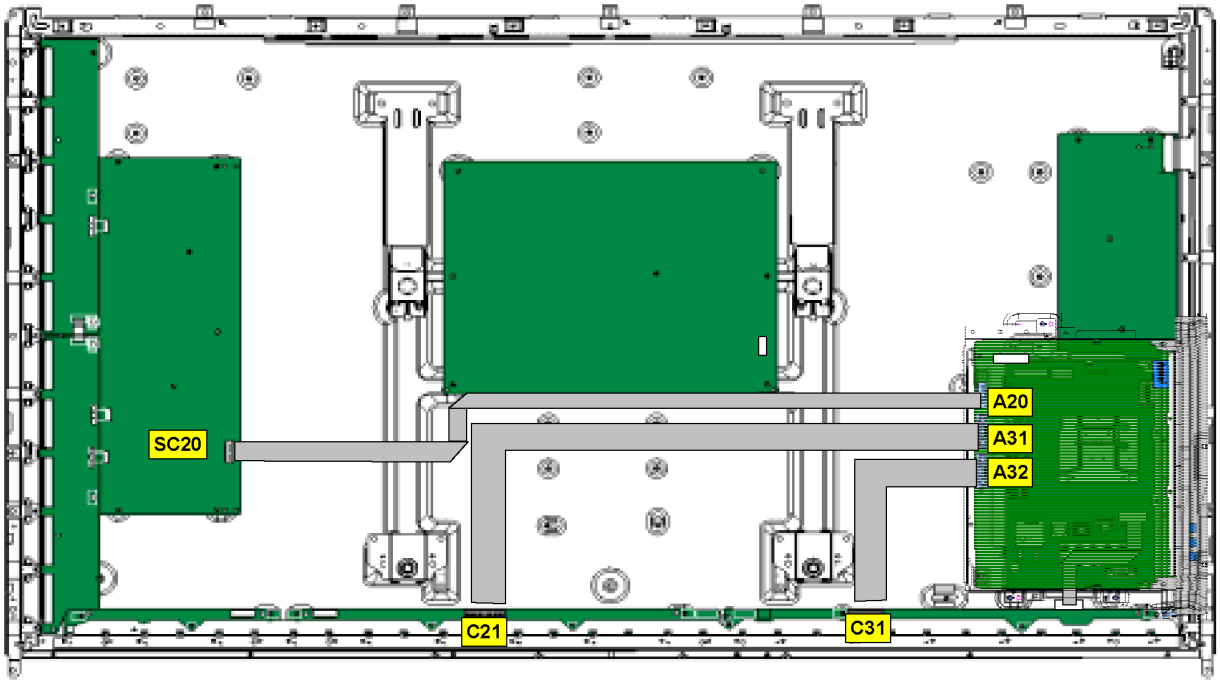
1. Opened connector.
2. Connect the flexible cable.
3. Close.



a. Connect the 15 flexible cables from the panel to C1,C2 and C3-Board.(Carry out 15 connections like it is indicated.)
b. Confirm the flexible cables is firmly connected when close the connector.

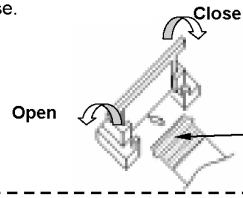


12.6. Wiring (5)

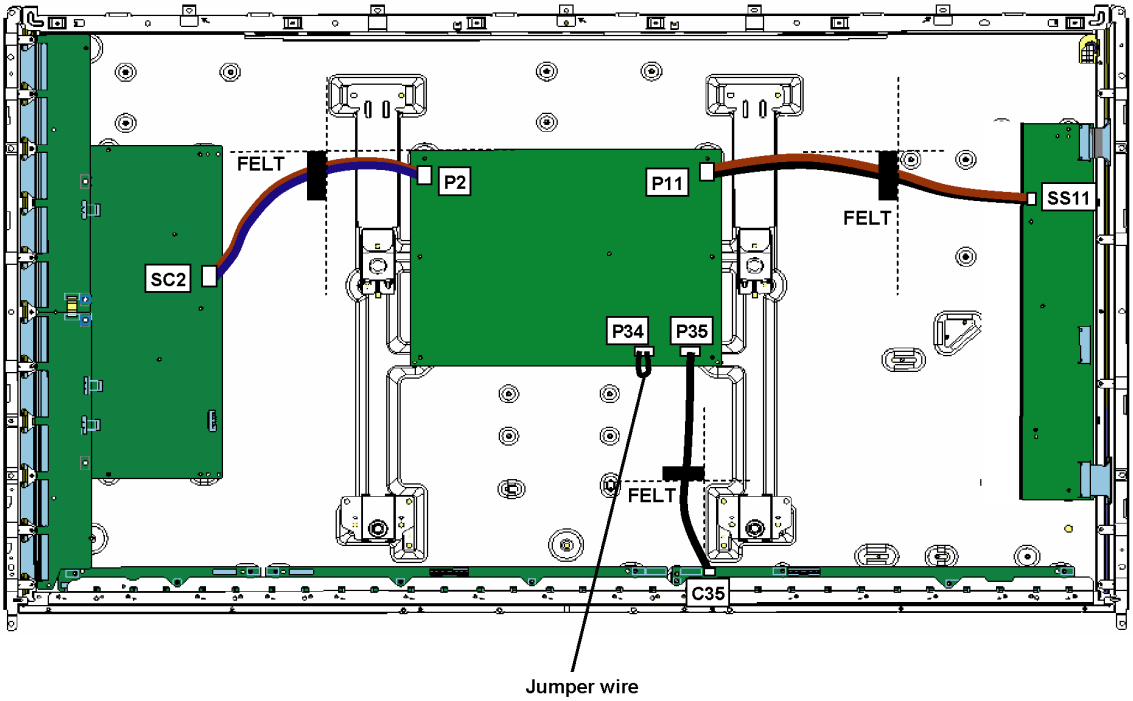


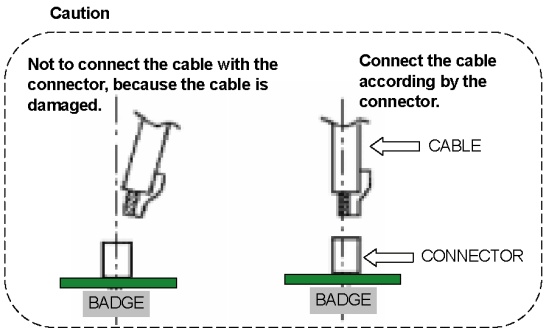
Detail to connect

1. Opened connector.
2. Connect the flexible cable.
3. Close.



12.7. Wiring (6)


FELT
P2
P11
FELT
SS11
SC2
P34
P35
FELT
C35
Jumper wire


Caution
Not to connect the cable with the connector, because the cable is damaged.
Connect the cable according by the connector.
CABLE
CONNECTOR
BADGE
BADGE

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 120V, 60Hz
   Receiving Signal ..... Colour Bar signal (RF)
   All customer's controls ..... Maximum positions
7. When arrow mark (↗) is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video ➡ Audio ⇨
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

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

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the 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.

Model No. : TC-P50ST30 Replacement Parts List Note

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

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:

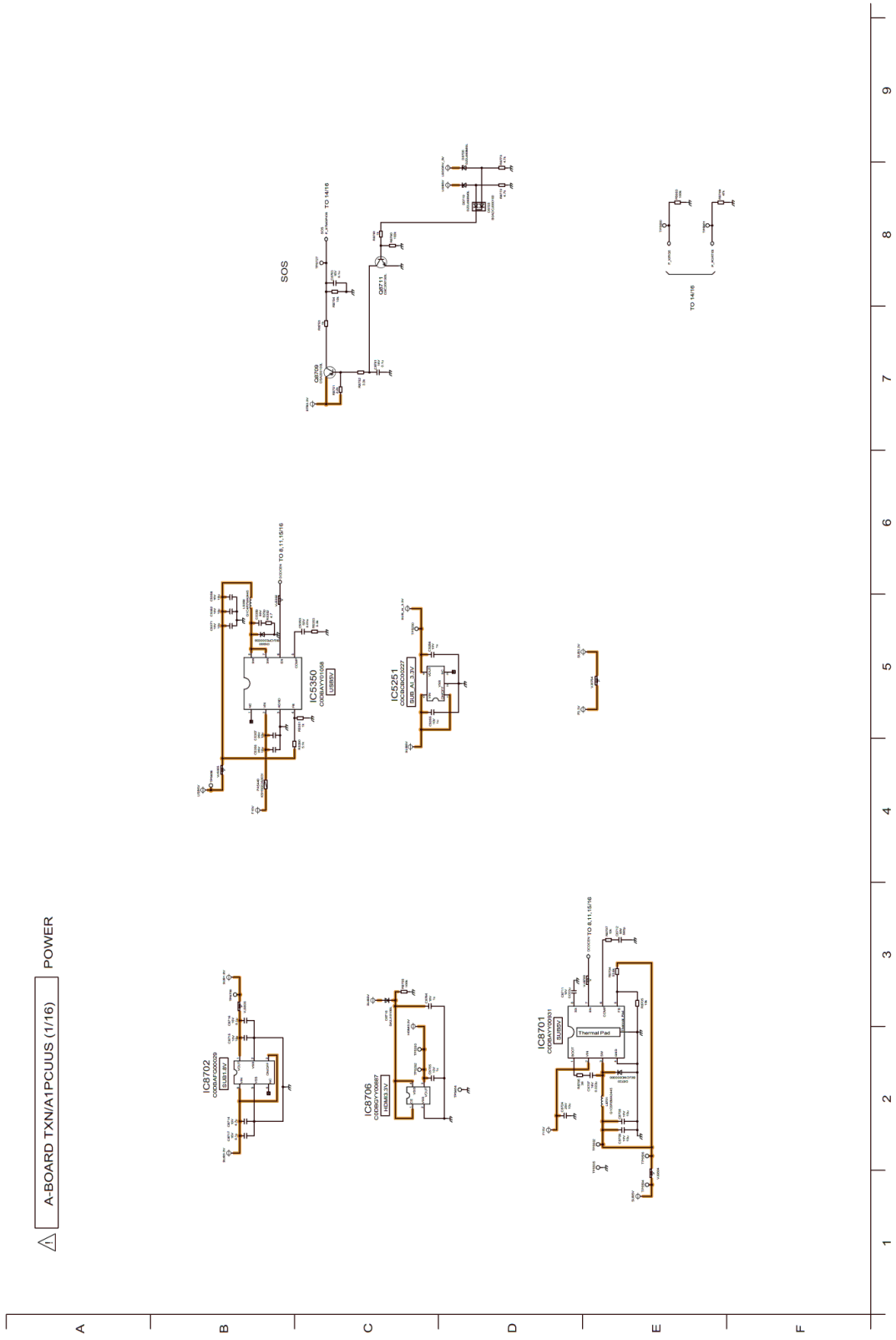
ECKF1H103ZF C 0.01UF, Z, 50V

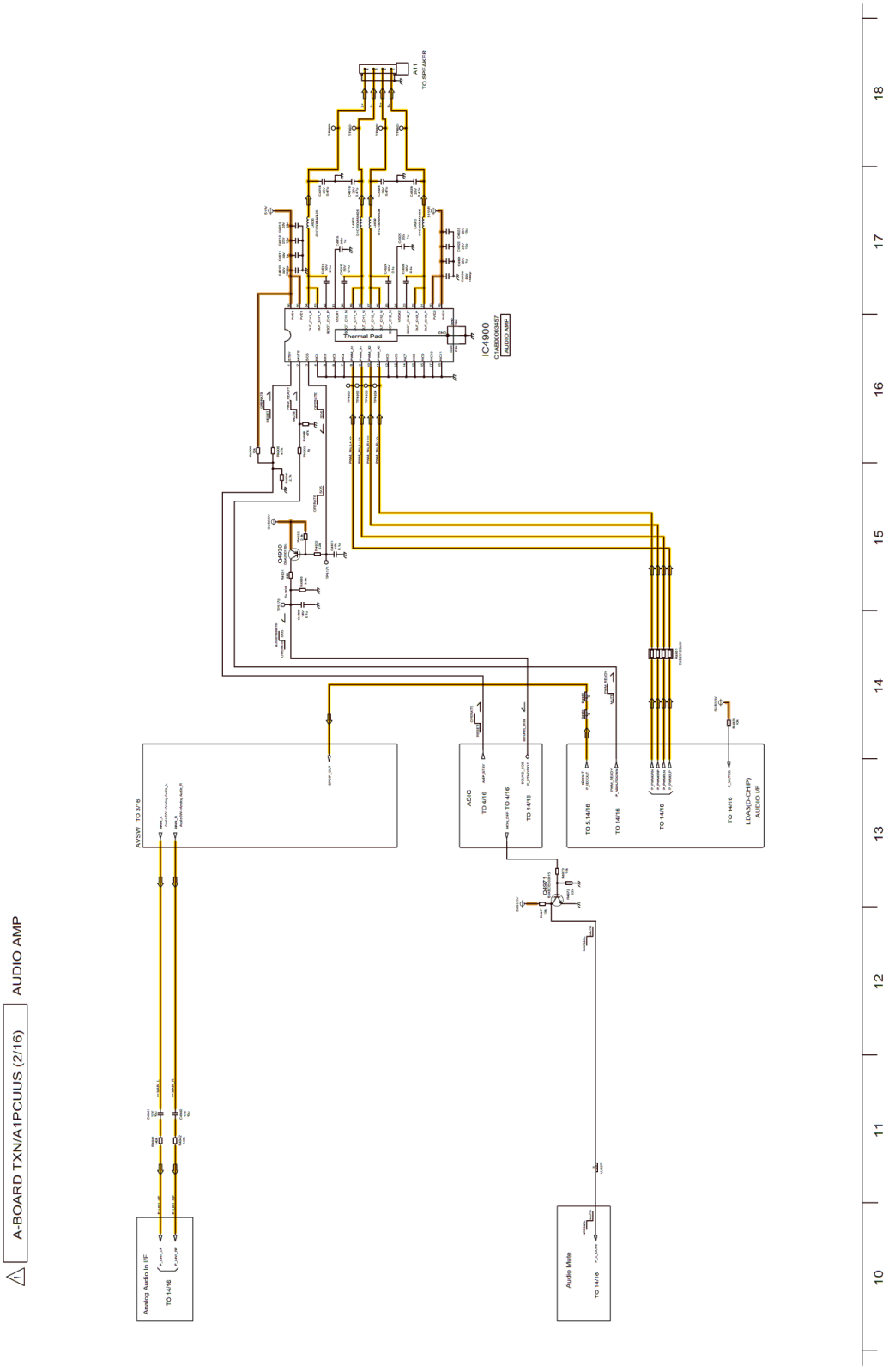
Type Allowance

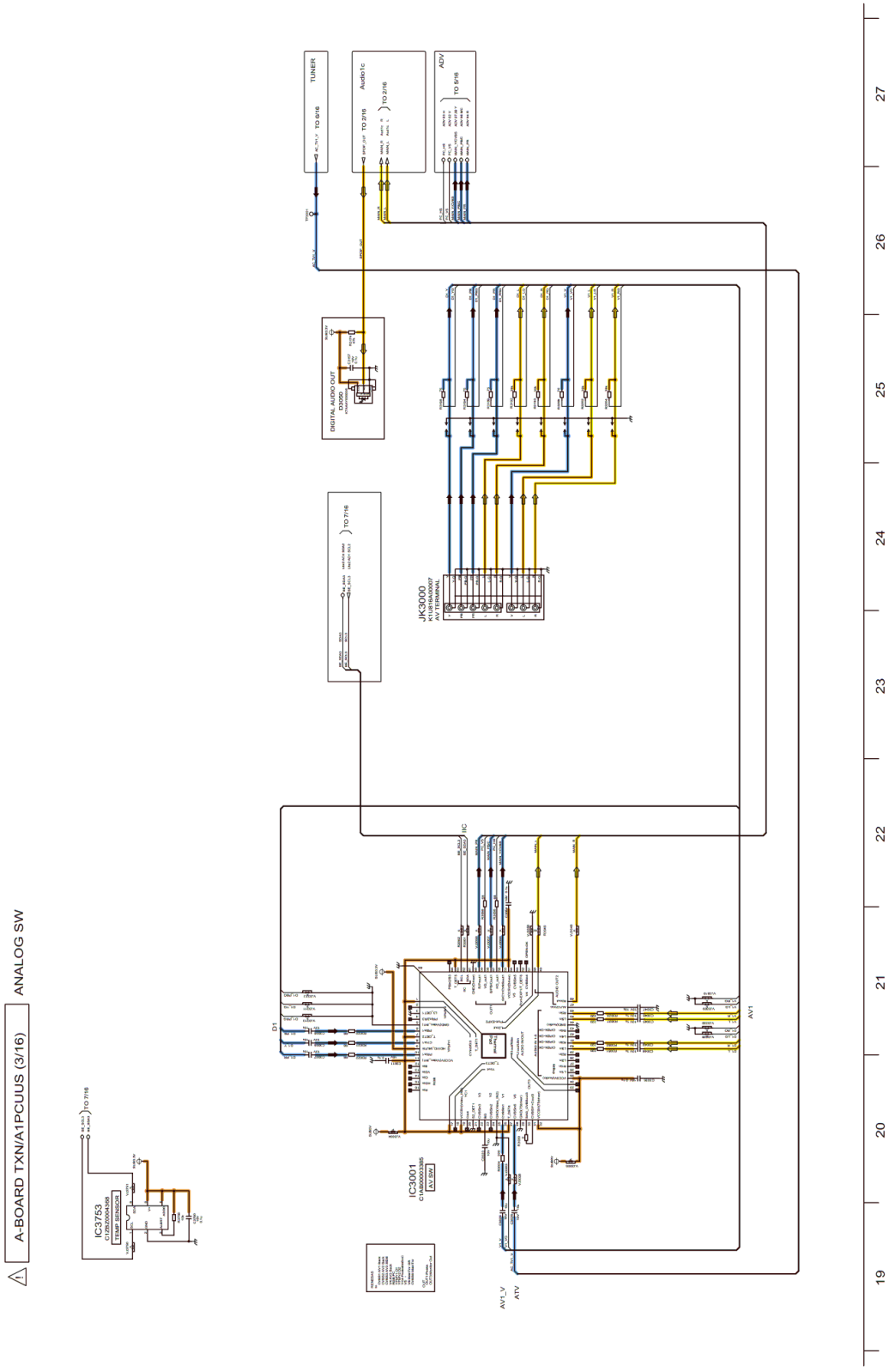
Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide Metal FIlm	J : ±5%
S : Solid	K : ±10%
W : Wire Wound	M : ±20%

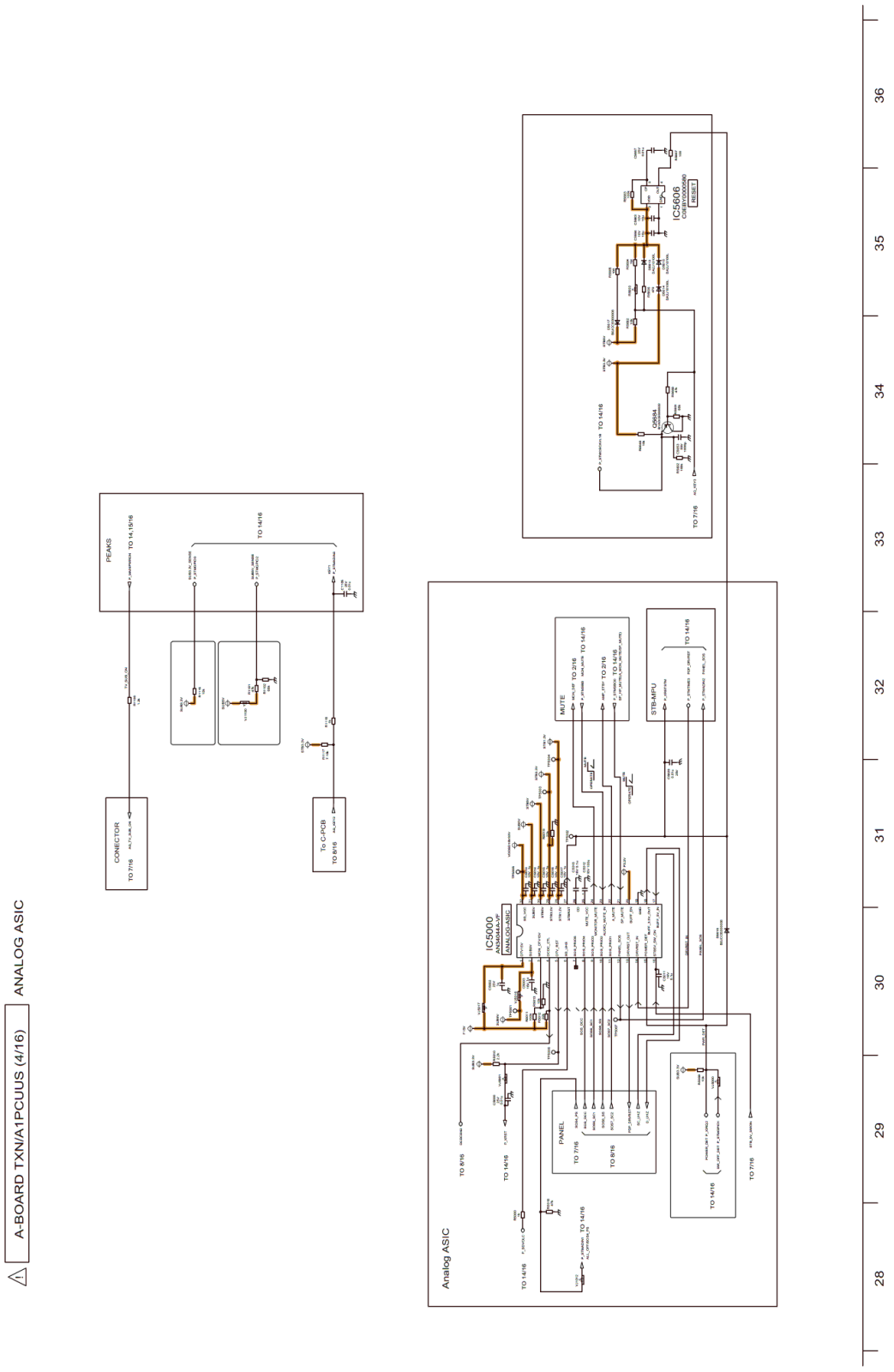
Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester Polyprop lene	F : ±1pF
	G : ±3pF
	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

Model No. : TC-P50ST30 A-Board (1/16)

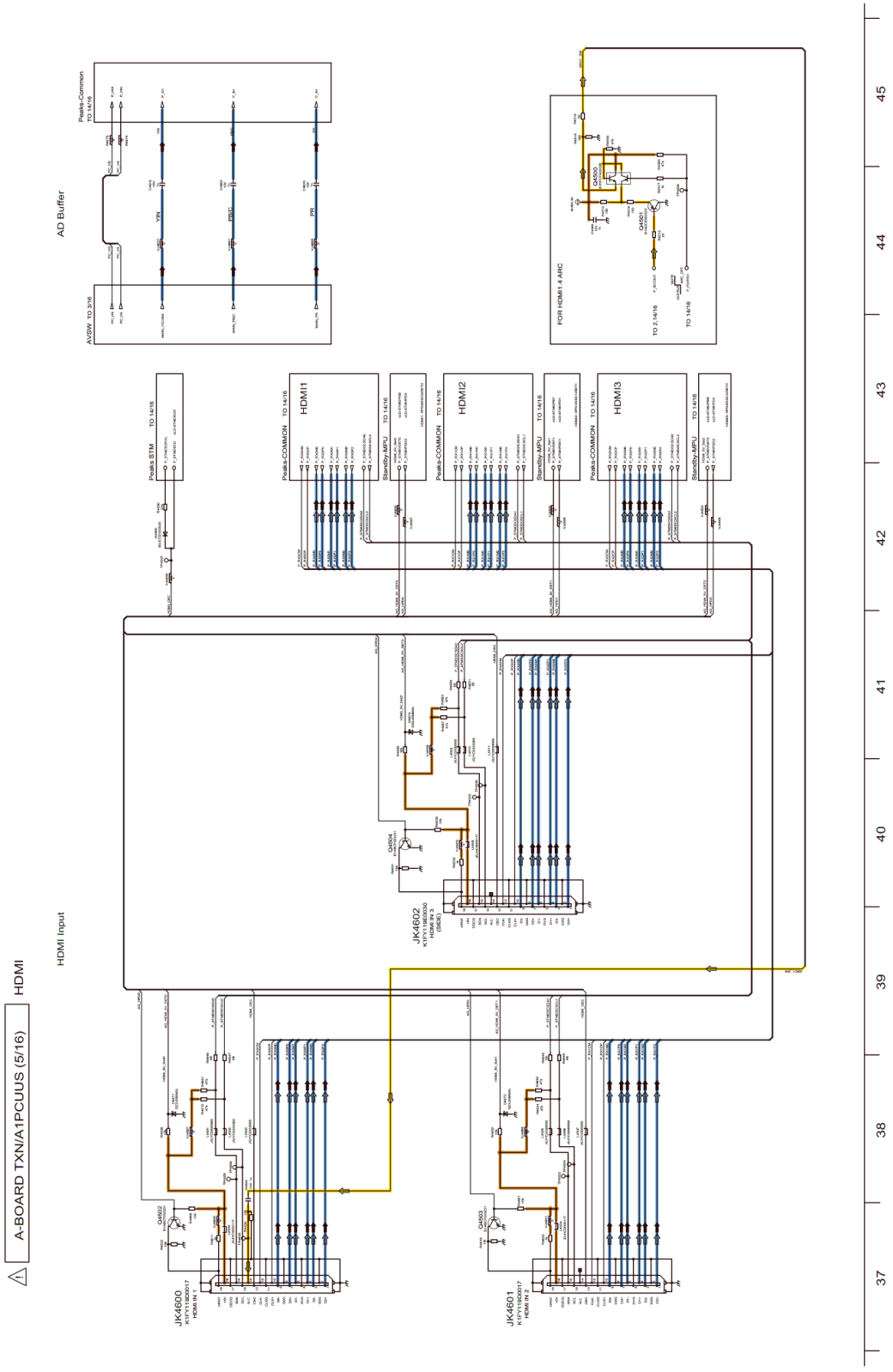


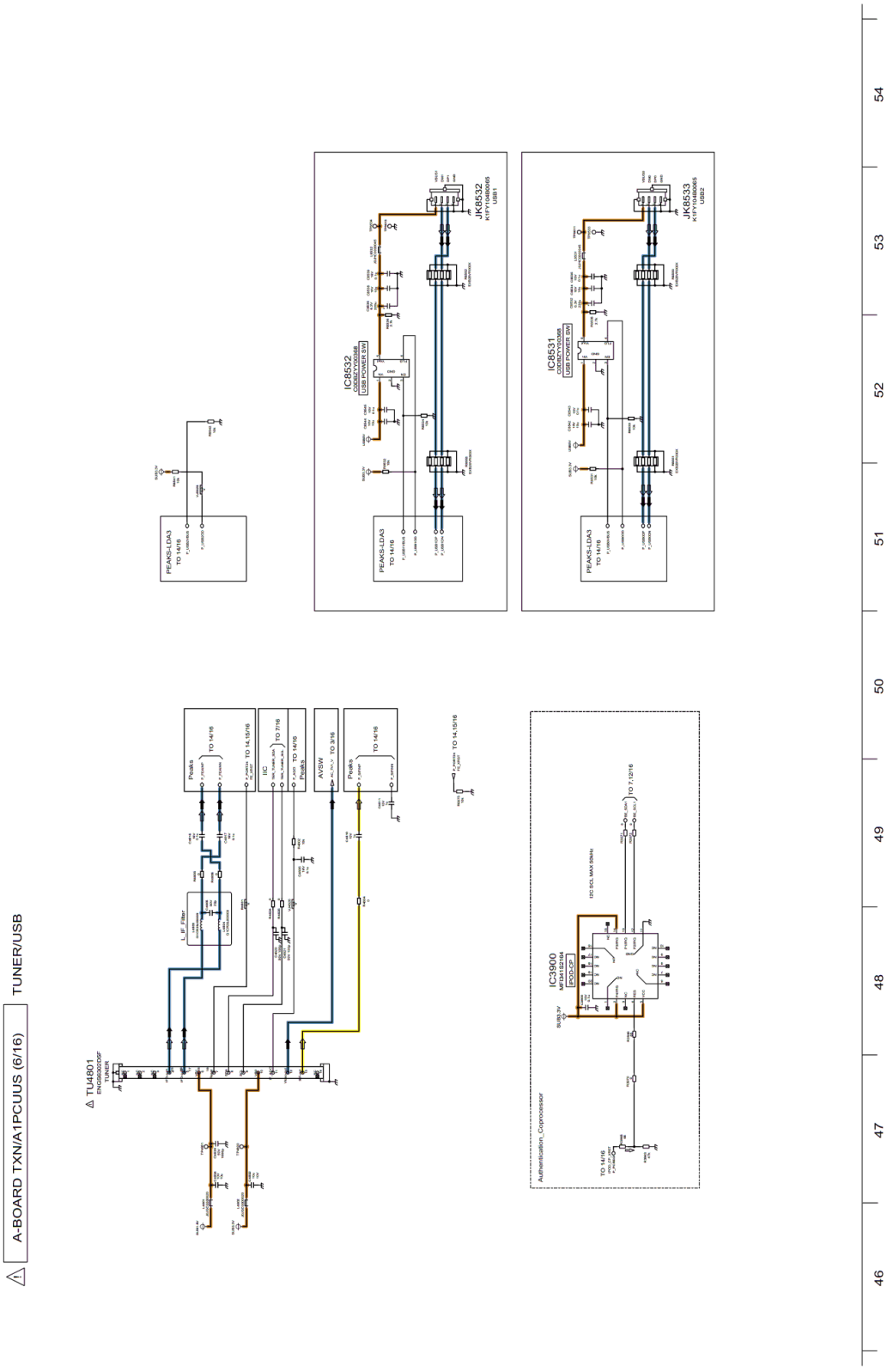

A-BOARD TXN/A1PCUUS (2/16)
AUDIO AMP
A11
TO SPEAKER
IC4900
Thermal Pad
AUDIO AMP
Q4930
AVSW TO 3/18
ASIC
TO 4/16
TO 14/16
TO 5,14/16
TO 14/16
TO 14/16
TO 14/16
LDA3ID-CHIP)
AUDIO I/F
Analog Audio In I/F
TO 14/16
Audio Mute
TO 14/16
10
11
12
13
14
15
16
17
18


A-BOARD TXN/A1PCUUS (3/16)
ANALOG SW
TUNER
Audio 1c
ADV
DIGITAL AUDIO OUT
JK3000
IC3753
IC3001
AV1
AV1_V
ATV

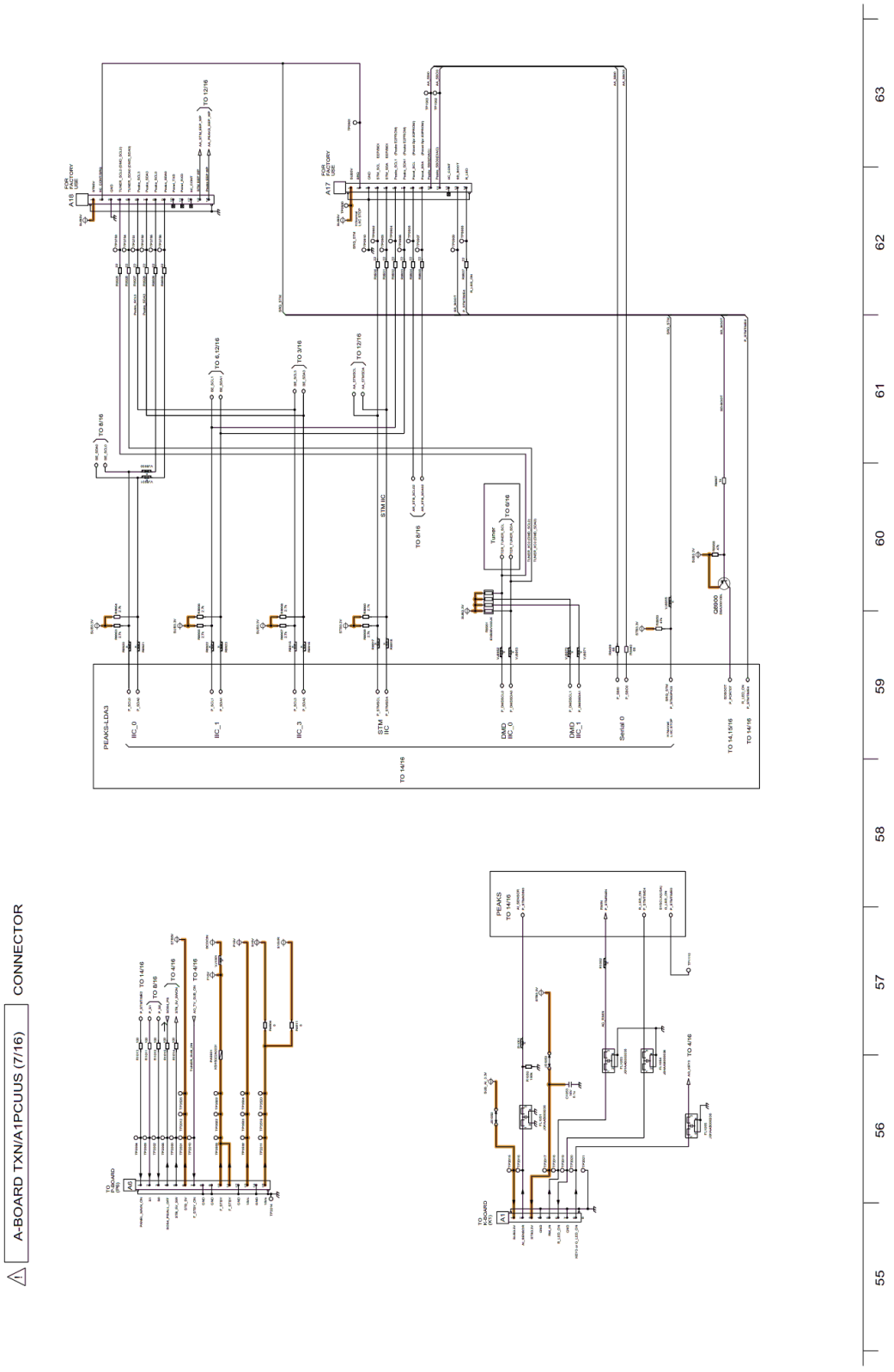

A-BOARD TXN/A1PCUUS (4/16)
ANALOG ASIC
Analog ASIC
IC5000
ANALOG ASIC
PEAKS
TO 14/15/16
TO 14/16
CONECTOR
TO 7/16
To C-PCB
TO 8/16
PANEL
TO 7/16
TO 8/16
MUTE
TO 2/16
STB-MPU
TO 14/16
IC5606
RESET
TO 14/16
TO 7/16
28
29
30
31
32
33
34
35
36

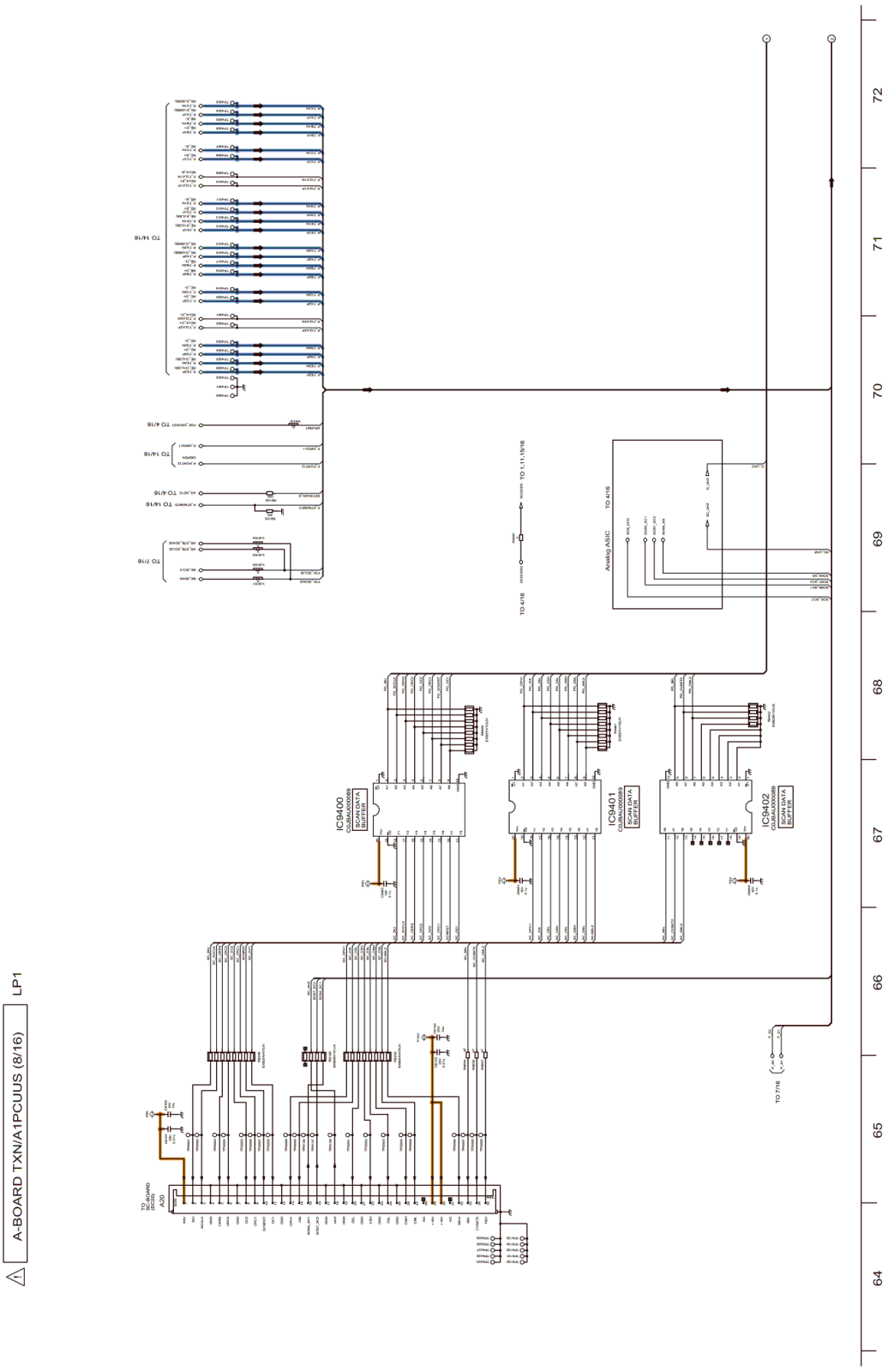
Model No. : TC-P50ST30 A-Board (5/16)



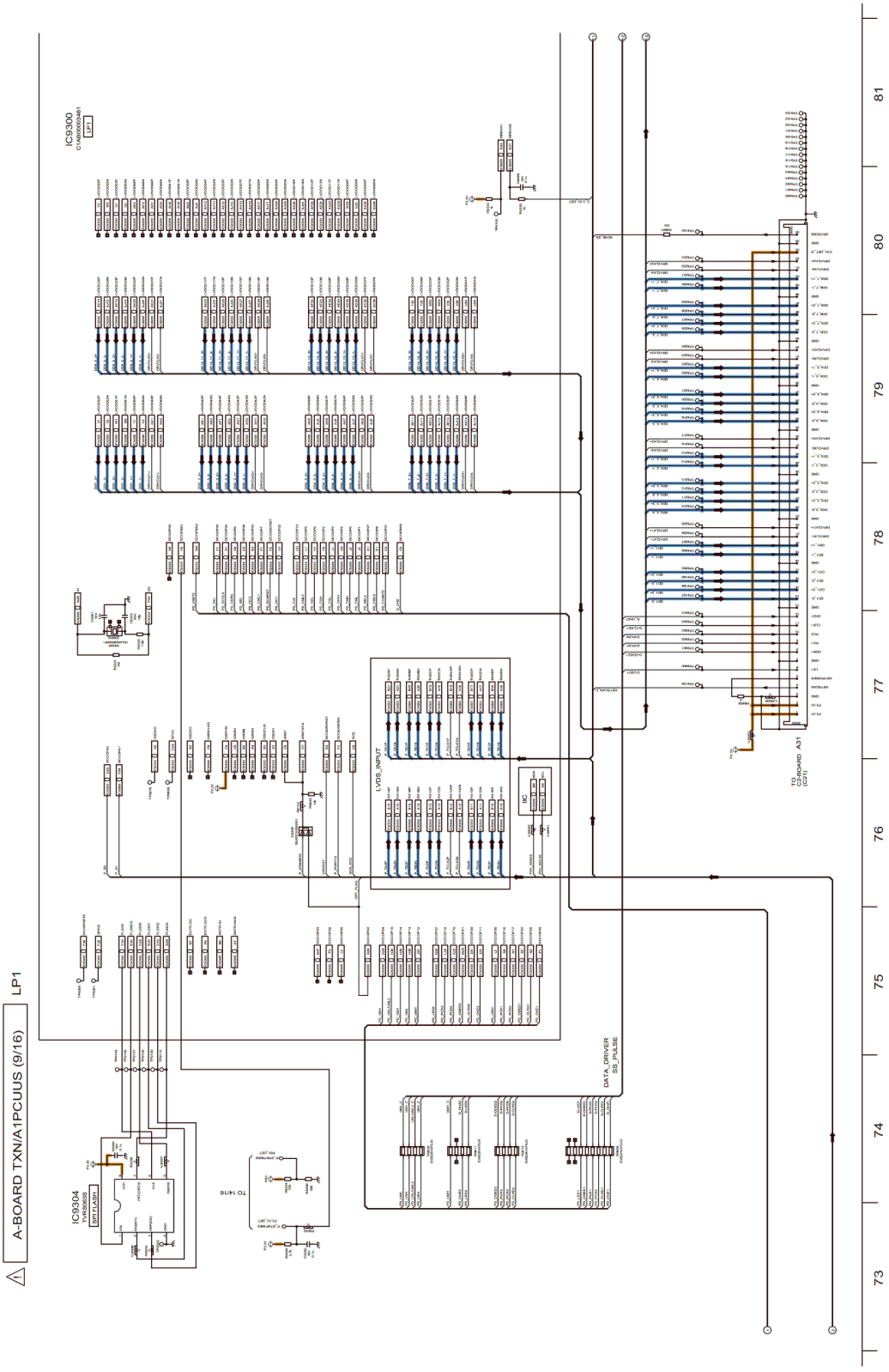

A-BOARD TXN/A1PCUUS (6/16)
TUNER/USB
TU4801
IC8532
IC8531
JK8532
JK8533
IC3900
PEAKS-LDA3
TO 14/16
Peaks
IIC
AVSW
Authentication_Coprocessor
46
47
48
49
50
51
52
53
54

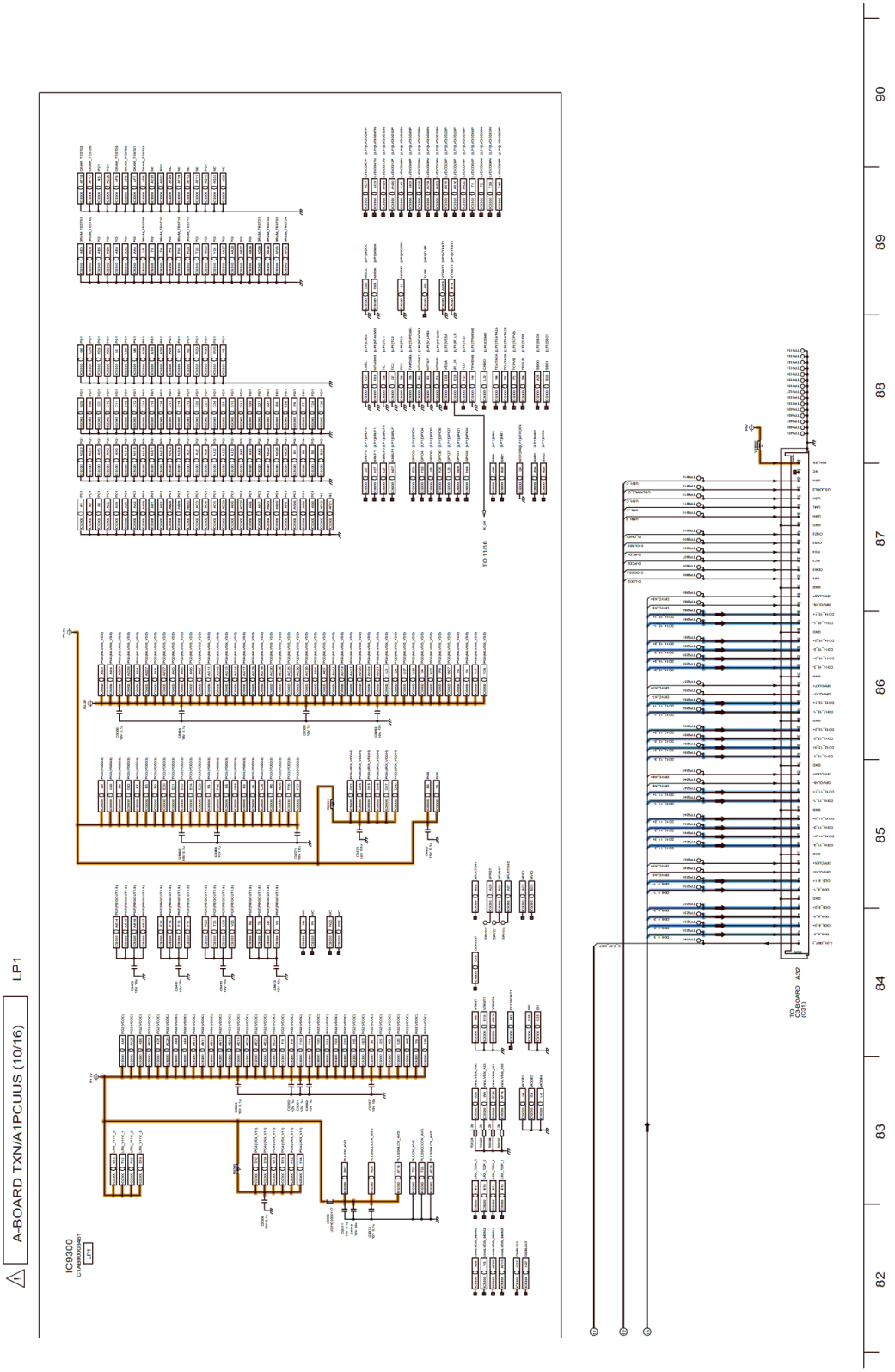
Model No. : TC-P50ST30 A-Board (7/16)

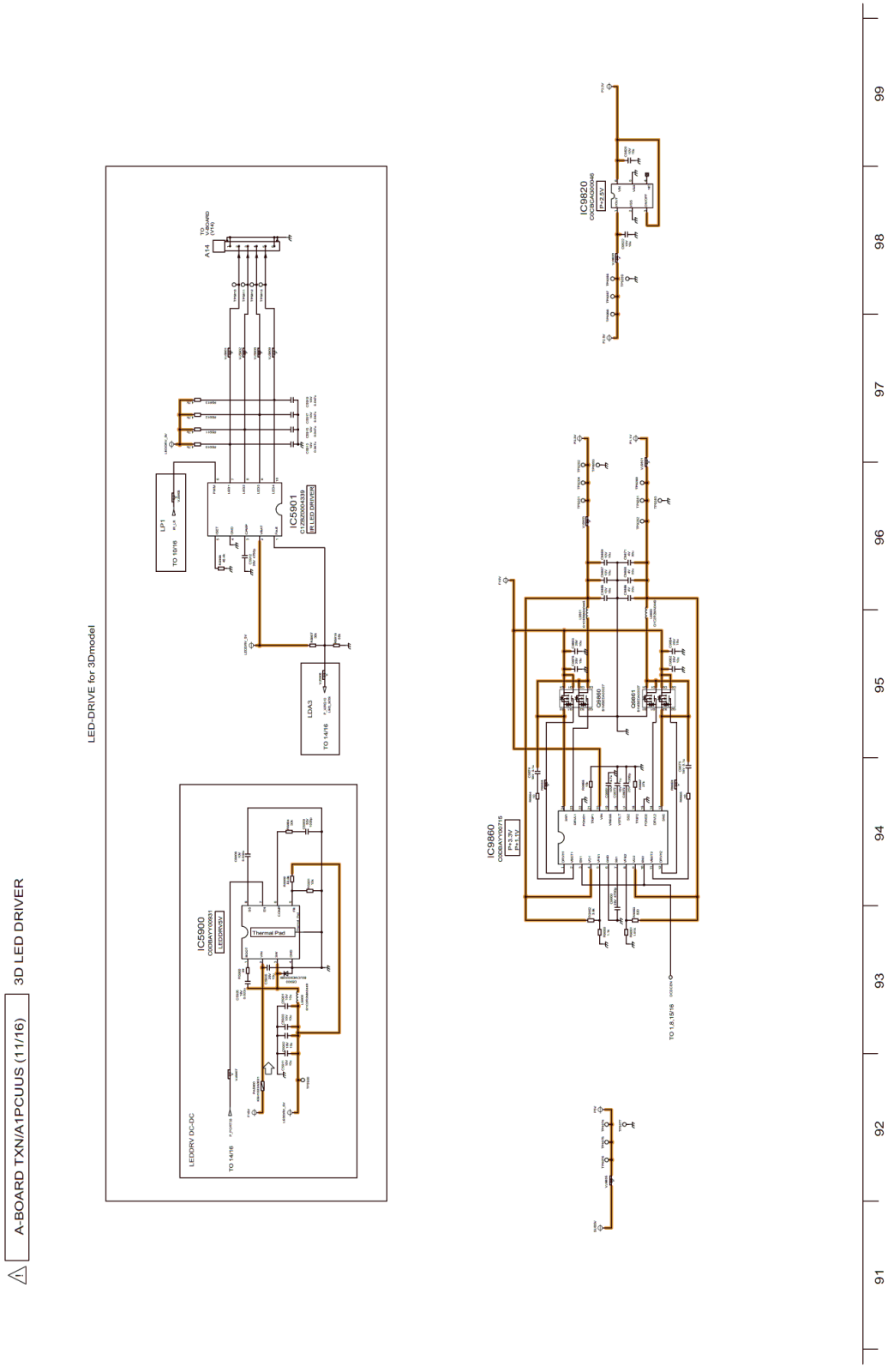


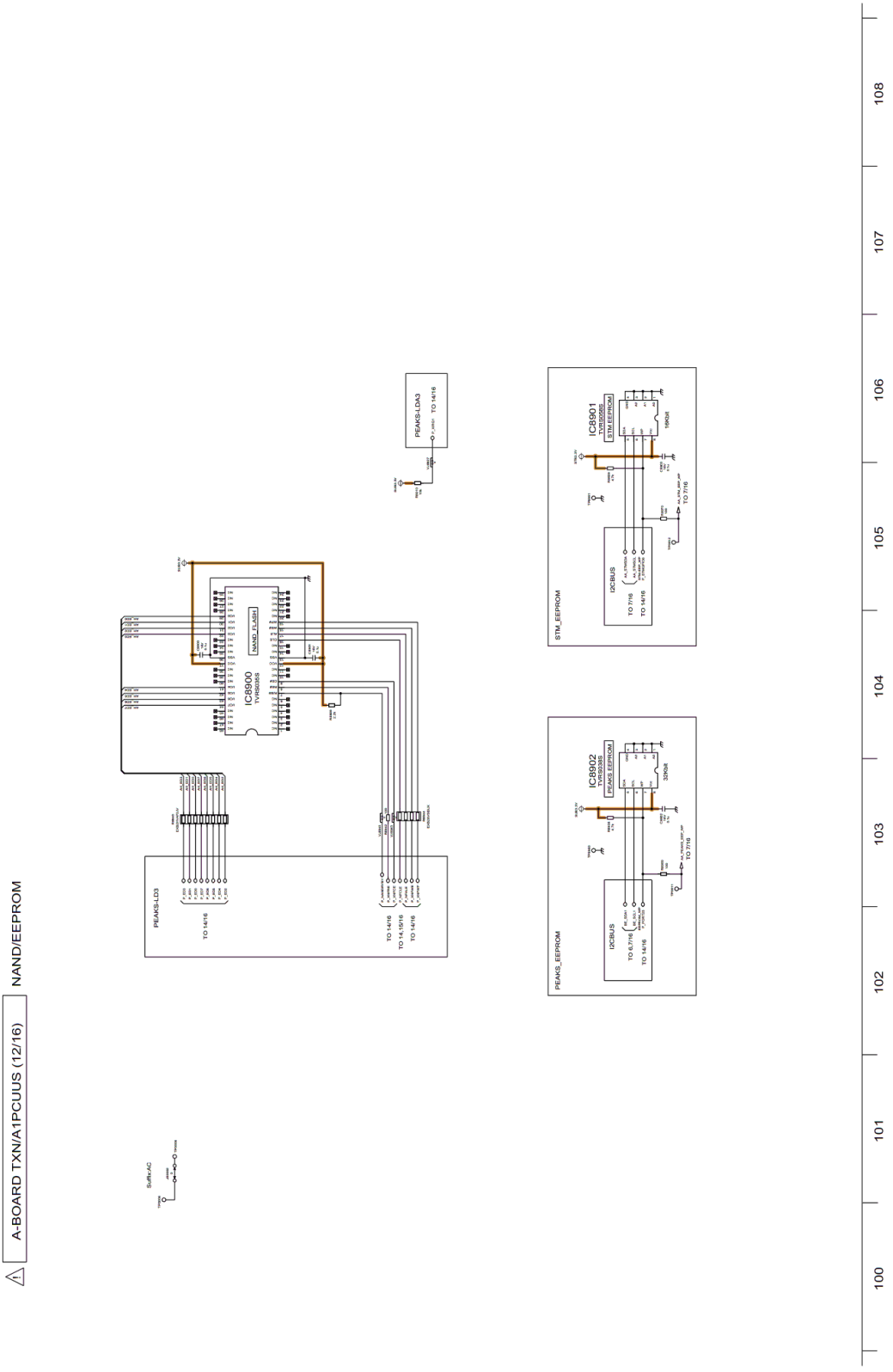

A-BOARD TXNA1PCUUS (8/16)
LP1
IC9400
IC9401
IC9402
Analog ASIC
TO 4/16
TO 1,11,15/16
TO 14/16
TO 7/16
TO 4/16
TO 14/16
TO 4/16
TO 14/16
TO 7/16
TO 7/16
TO SUB-BOARD (SC20)
A20
64
65
66
67
68
69
70
71
72

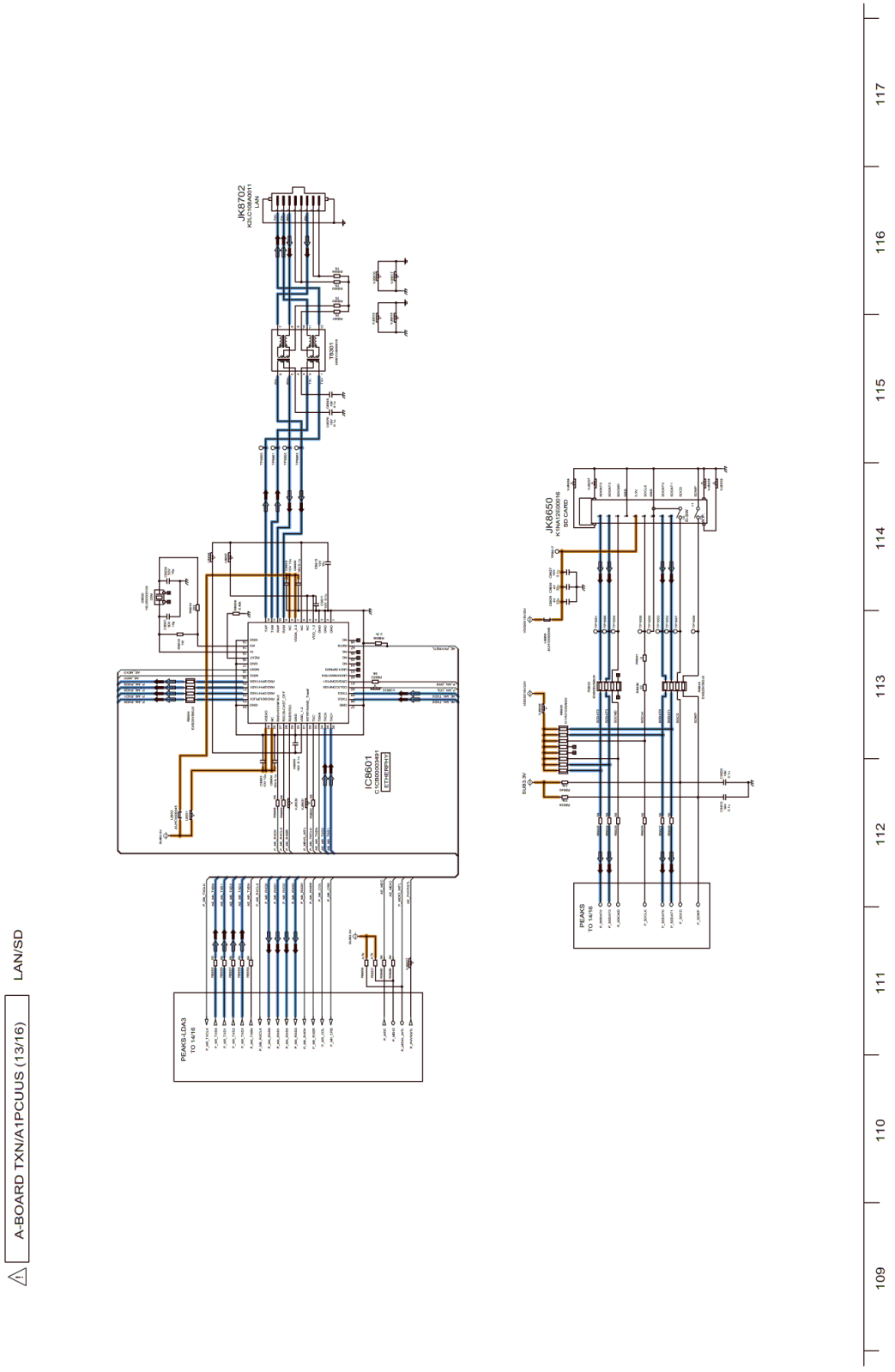
Model No. : TC-P50ST30 A-Board (9/16)



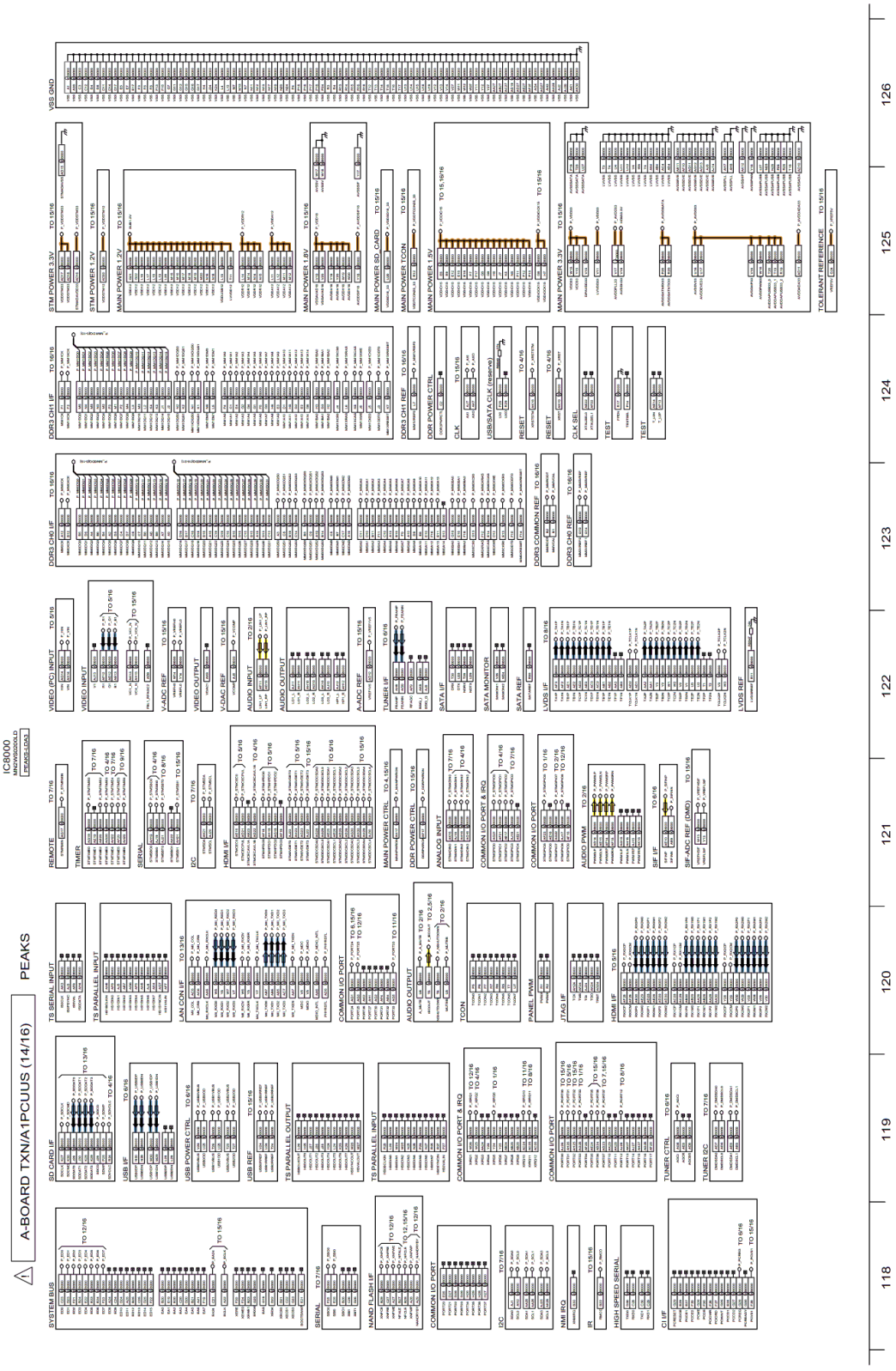

A-BOARD TXN/A1PCUUS (10/16)
LP1
IC9300
C1AB000G3481
TO 11/16
TO BOARD A32
(C31)
82
83
84
85
86
87
88
89
90

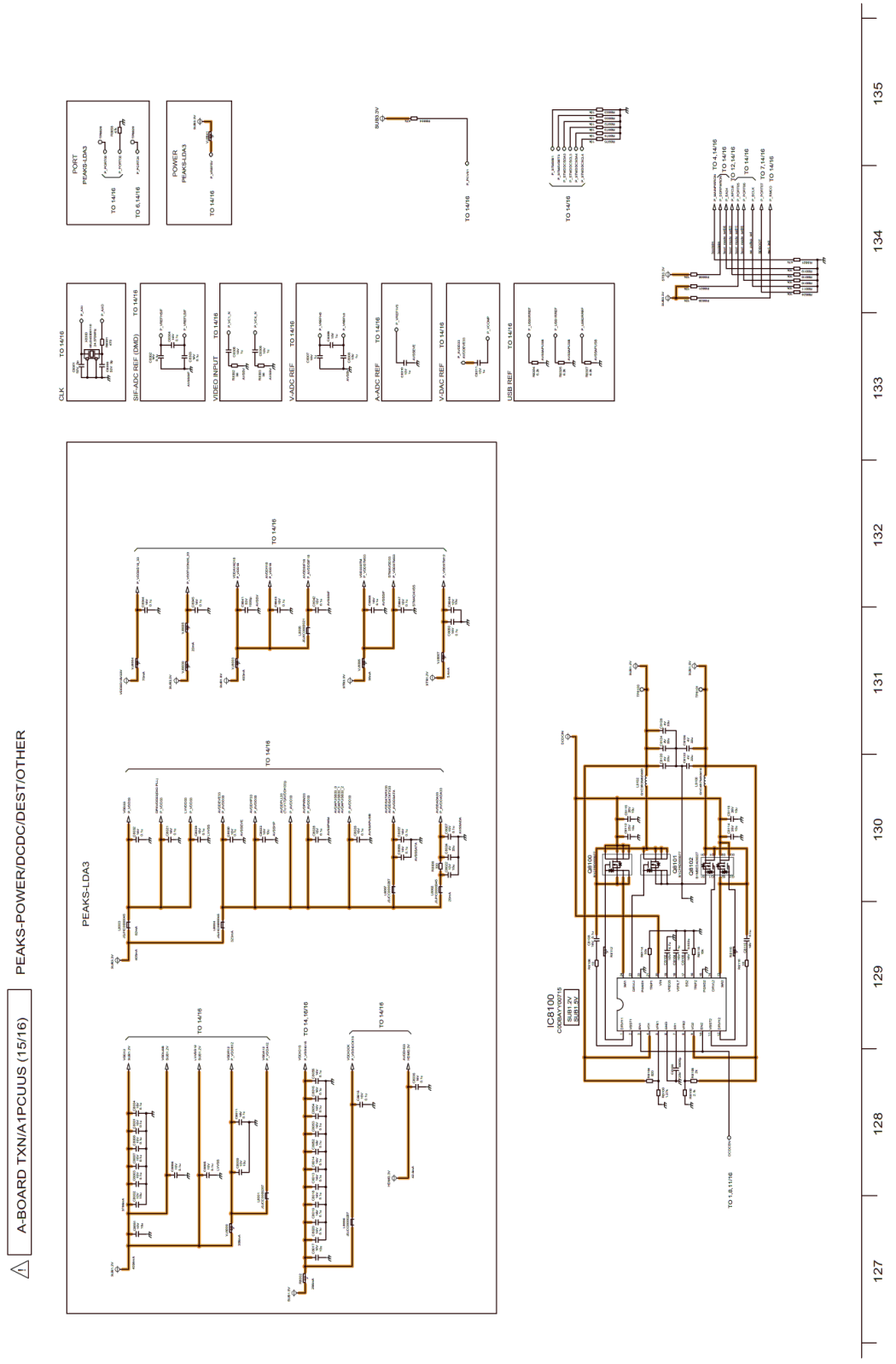

A-BOARD TXN/A1PCUUS (11/16)
3D LED DRIVER
LED-DRIVE for 3Dmodel
IC5900
IC5901
IC9820
IC9860
LEDDRV DC-DC
Thermal Pad
TO 14/16
TO 10/16
TO 1,8,15/16
91
92
93
94
95
96
97
98
99

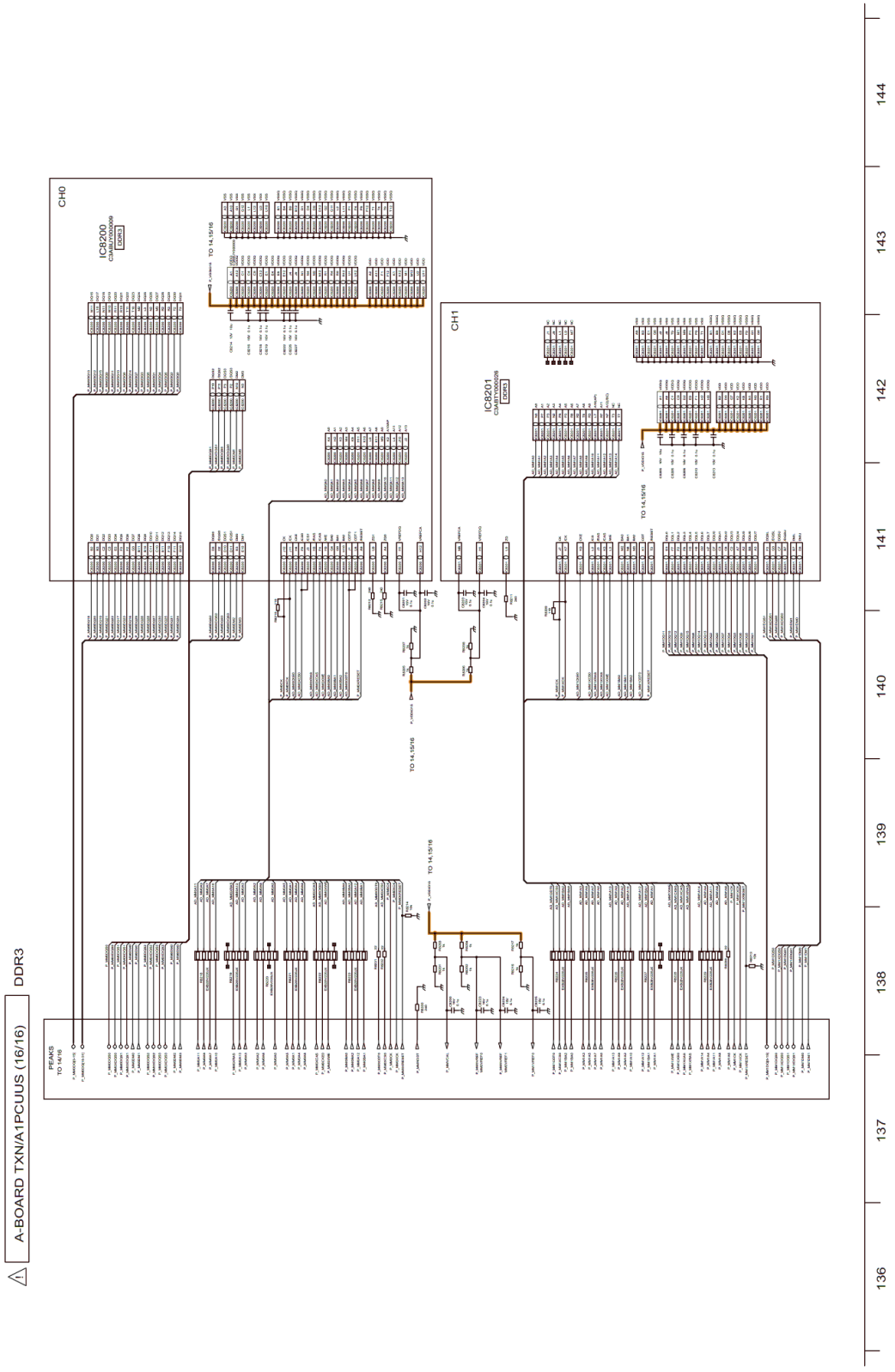

A-BOARD TXN/A1PCUUS (12/16)
NAND/EEPROM
100
101
102
103
104
105
106
107
108
IC8900
TVR8G8S
NAND_FLASH
IC8901
TC59S6408
STM_EEPROM
16Kbit
IC8902
TC59S6408
PEAKS_EEPROM
32Kbit
PEAKS_LD3
STM_EEPROM
PEAKS_EEPROM
I2CBUS
TO 14/16
TO 7/16
TO 5,7/16
TO 14,15/16
SUR/AC

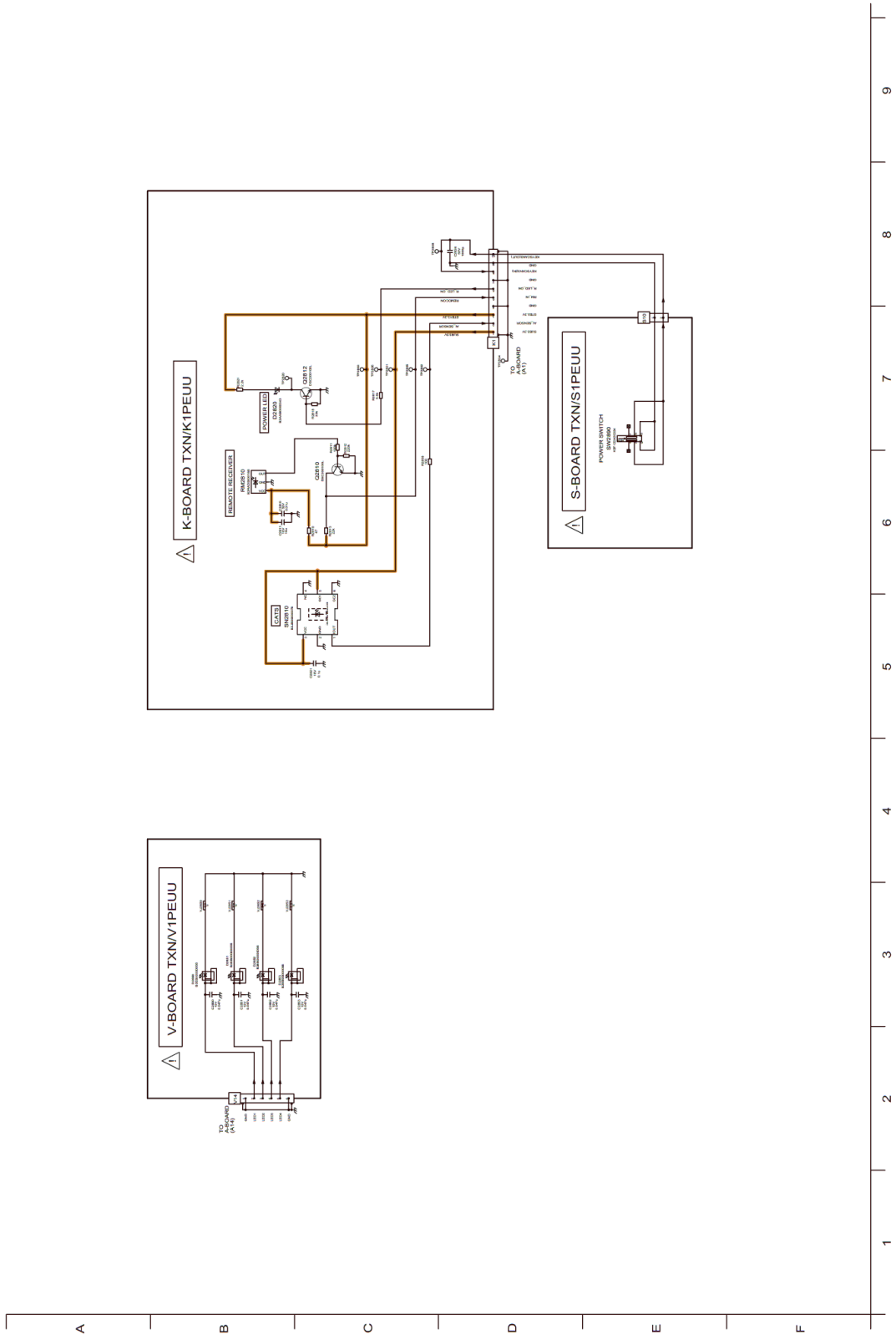

A-BOARD TXN/A1PCUUS (13/16)
LAN/SD
JK8702
IC8601
JK8650
PEAKS-LDA3
TO 14/16
PEAKS
TO 14/16
109
110
111
112
113
114
115
116
117

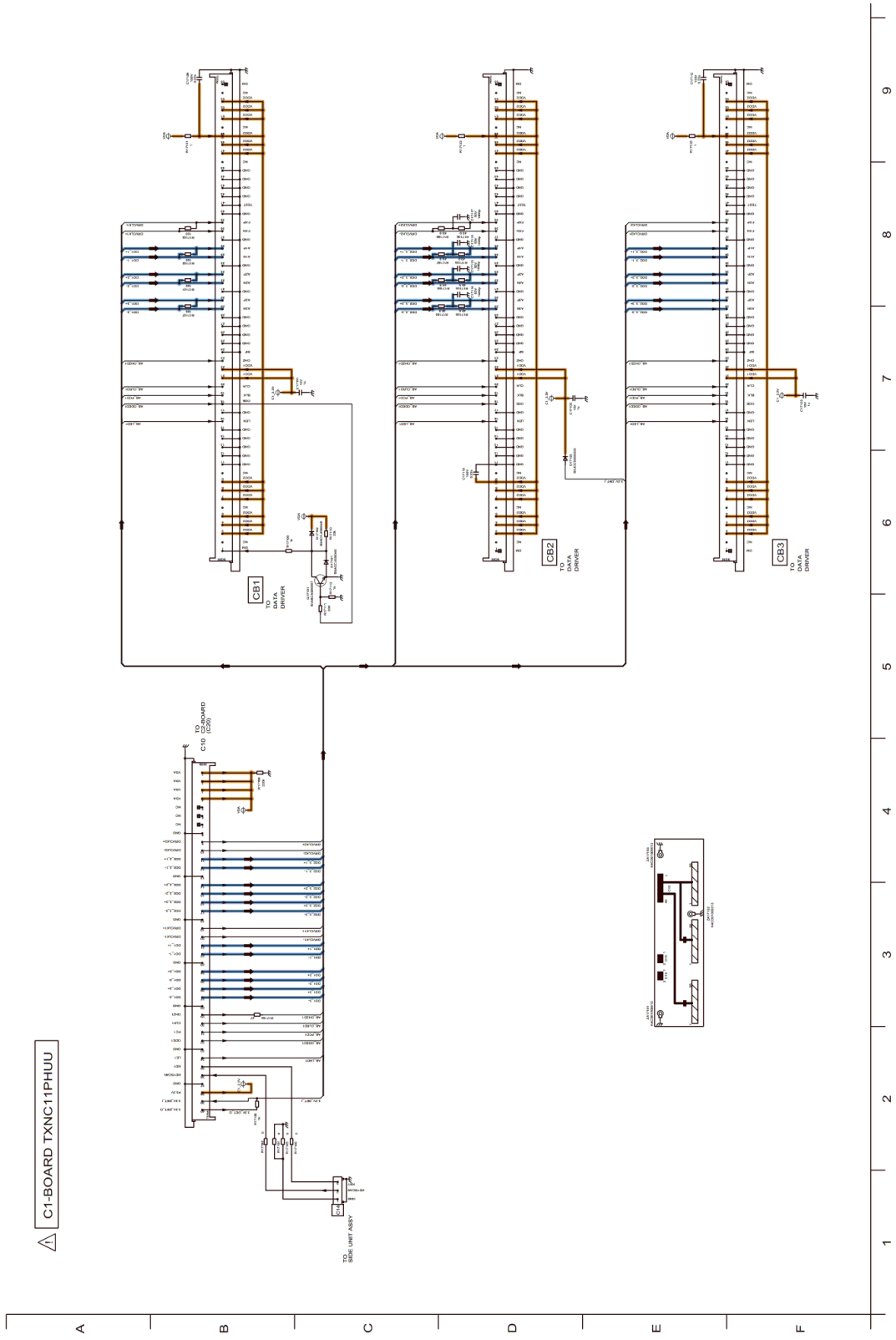
Model No. : TC-P50ST30 A-Board (14/16)



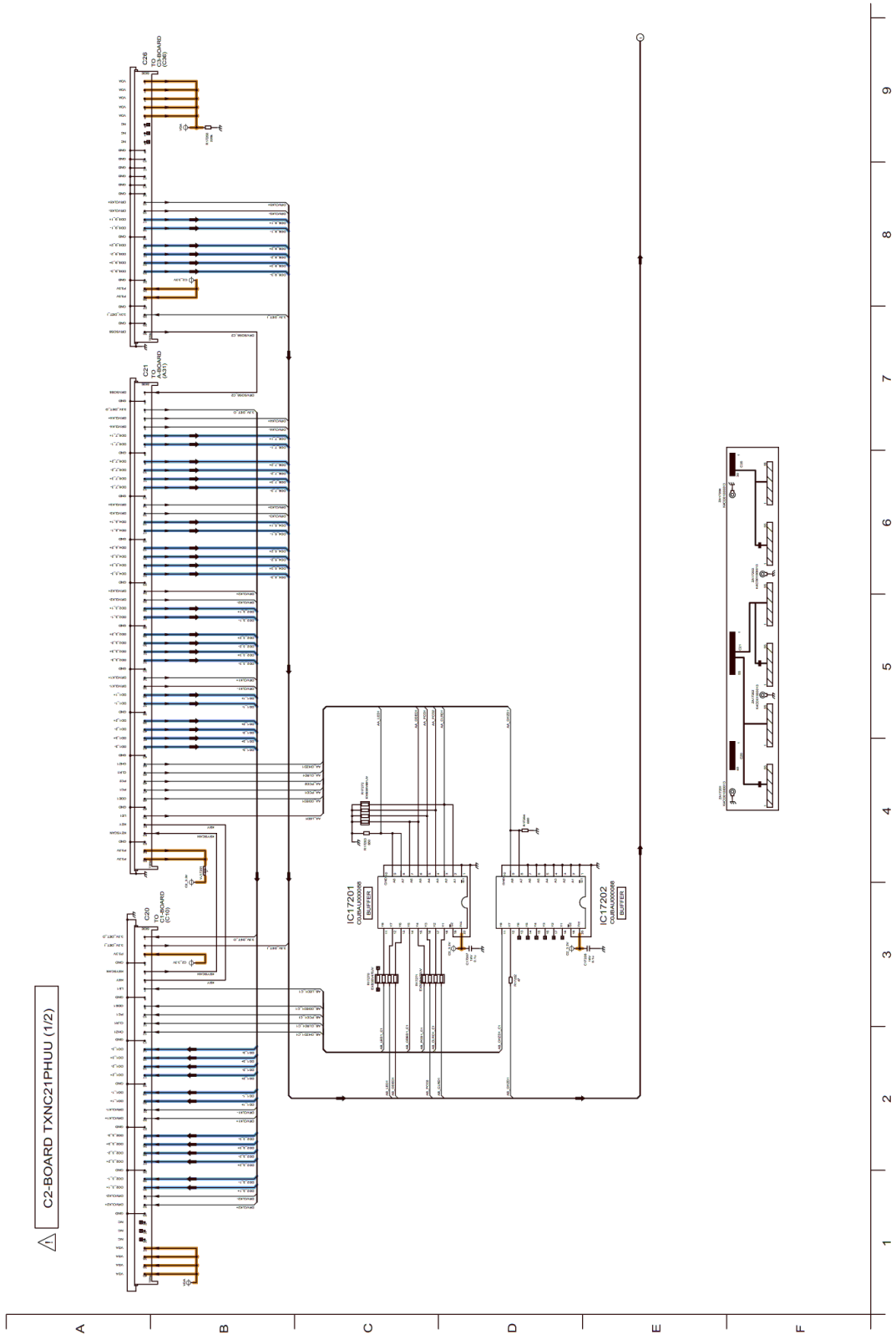

A-BOARD TXN/A1PCUUS (15/16)
PEAKS-POWER/DCDC/DEST/OTHER
PEAKS-LDA3
CLK
SIF-ADC REF (DMD)
VIDEO INPUT
V-ADC REF
A-ADC REF
V-DAC REF
USB REF
IC8100
TO 14/16
127
128
129
130
131
132
133
134
135

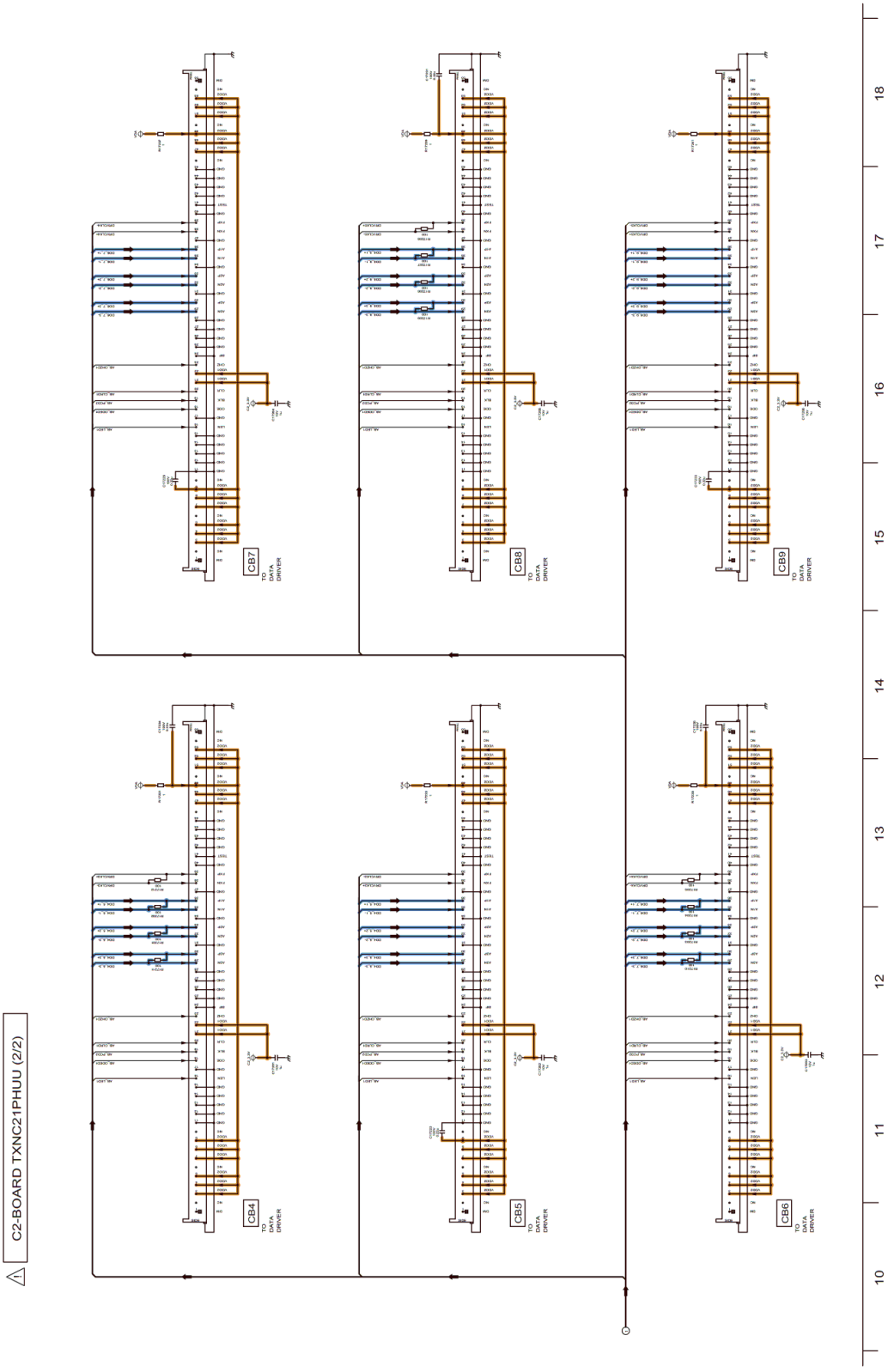

A-BOARD TXN/A1PCUUS (16/16)
DDR3
CH0
CH1
IC8200
IC8201
PEAKS
TO 14/16
TO 15/16
136
137
138
139
140
141
142
143
144

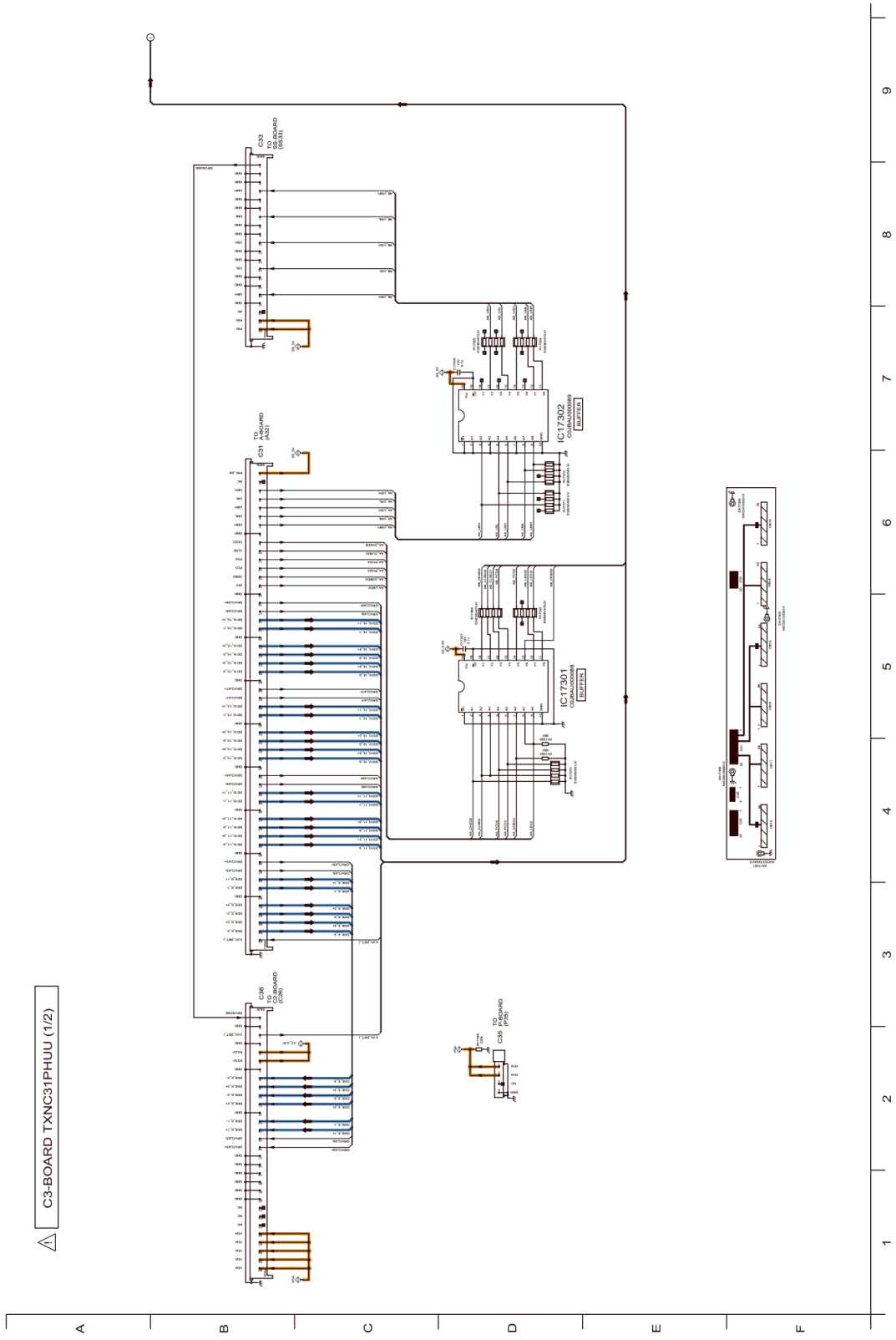

K-BOARD TXN/K1PEUU
S-BOARD TXN/S1PEUU
V-BOARD TXN/V1PEUU
POWER LED
REMOTE RECEIVER
GATE
POWER SWITCH
TO A-BOARD (A1)
TO A-BOARD (A4)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

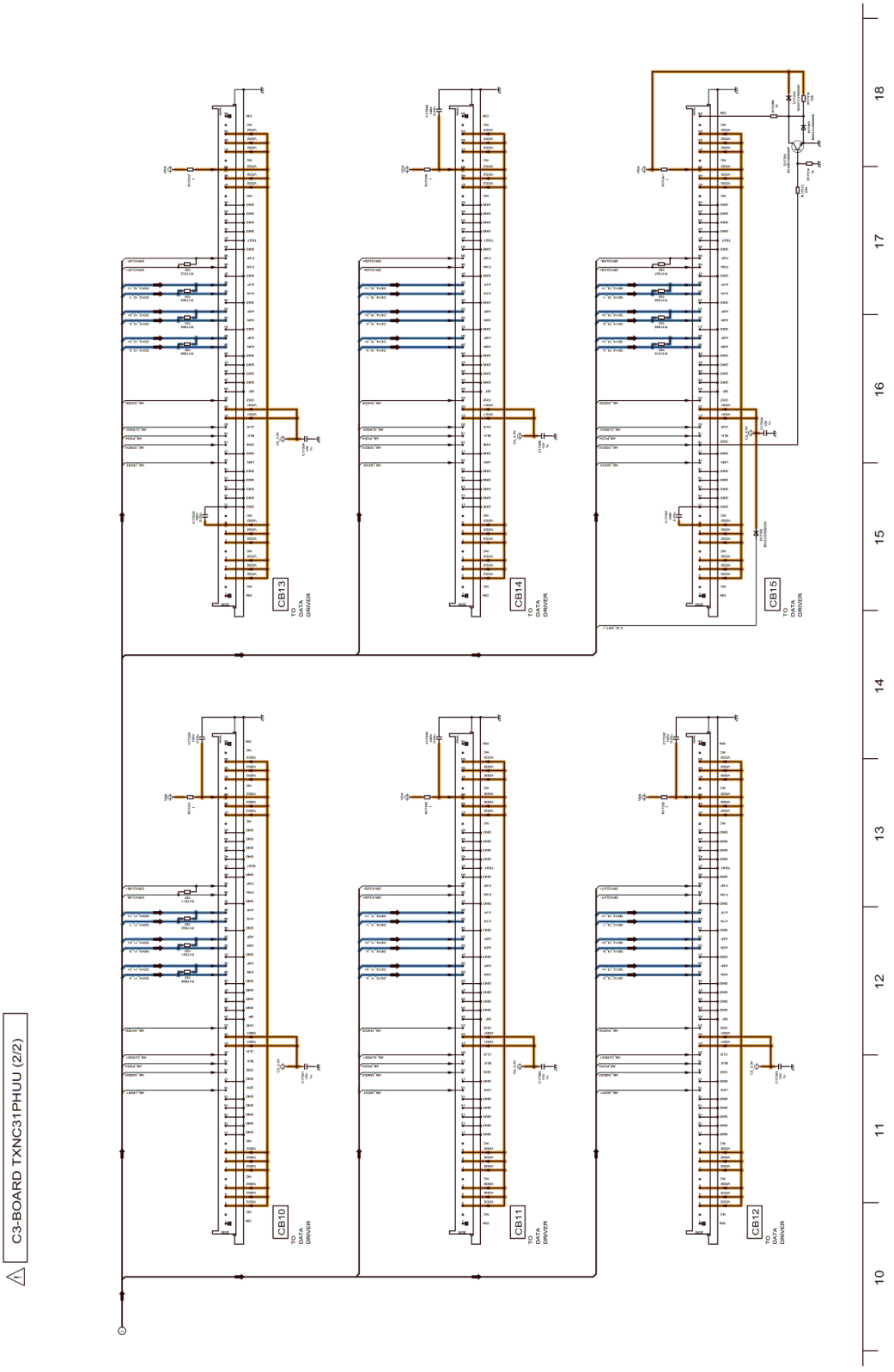

C1-BOARD TXNC11PHUU
CB1
TO DATA DRIVER
CB2
TO DATA DRIVER
CB3
TO DATA DRIVER
TO C2-BOARD (J202)
TO SIDE UNIT ASSY
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9

Model No. : TC-P50ST30 C2-Board (1/2)

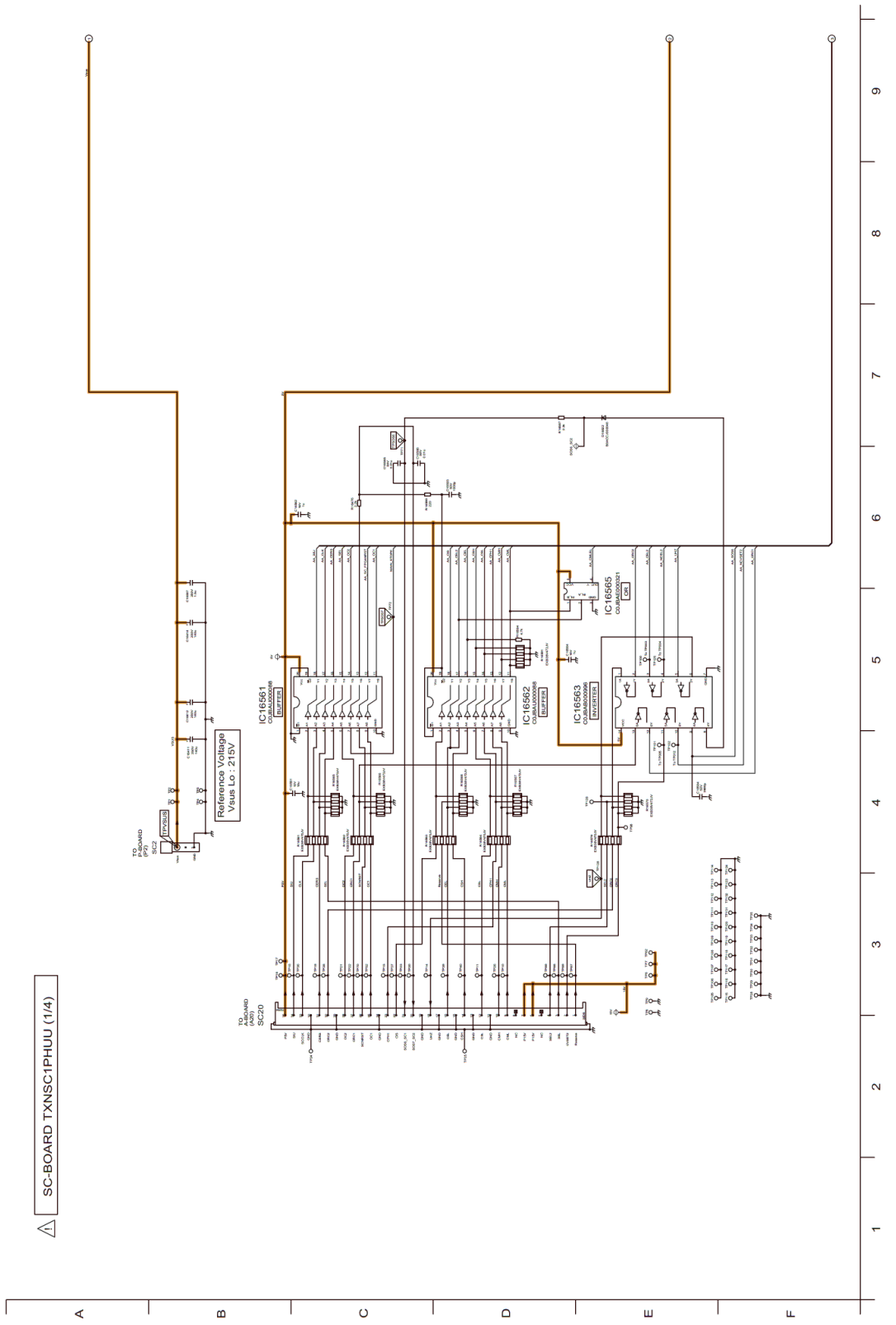



C2-BOARD TXNC21PHUU (2/2)
CB7
TO DATA DRIVER
CB8
TO DATA DRIVER
CB9
TO DATA DRIVER
CB4
TO DATA DRIVER
CB5
TO DATA DRIVER
CB6
TO DATA DRIVER
10
11
12
13
14
15
16
17
18

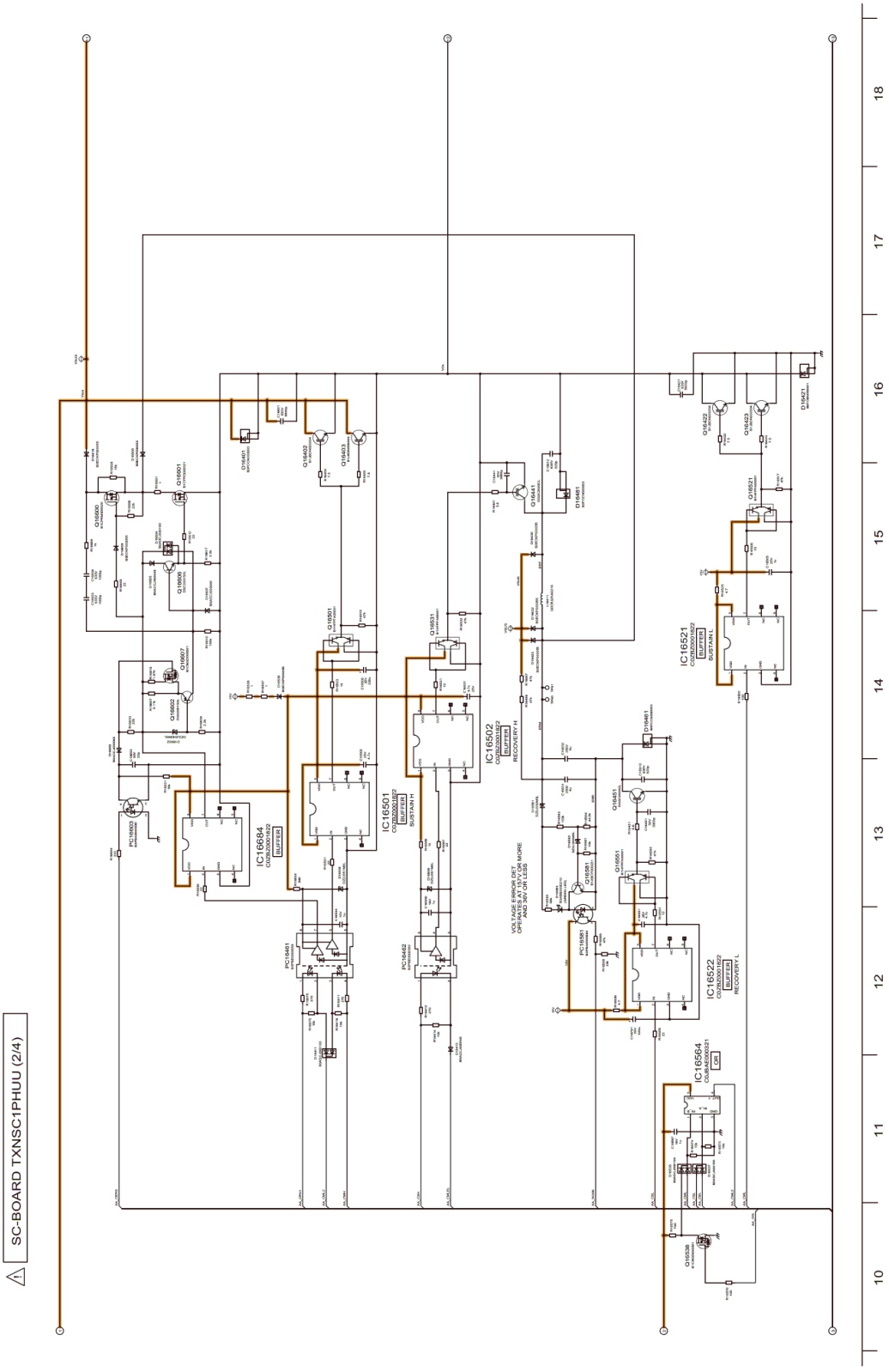

C3-BOARD TXNC31PHUU (1/2)
C33
C3 BOARD
SS (SS33)
C31
TO
A-BOARD
(A52)
IC17302
C0JBAJ000089
BUFFER
IC17301
C0JBAJ000088
BUFFER
C36
C2 BOARD
(C29)
C35
TO
A-BOARD
(P35)
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9


C3-BOARD TXNC31PHUU (2/2)
CB13
TO DATA DRIVER
CB14
TO DATA DRIVER
CB15
TO DATA DRIVER
CB10
TO DATA DRIVER
CB11
TO DATA DRIVER
CB12
TO DATA DRIVER
18
17
16
15
14
13
12
11
10

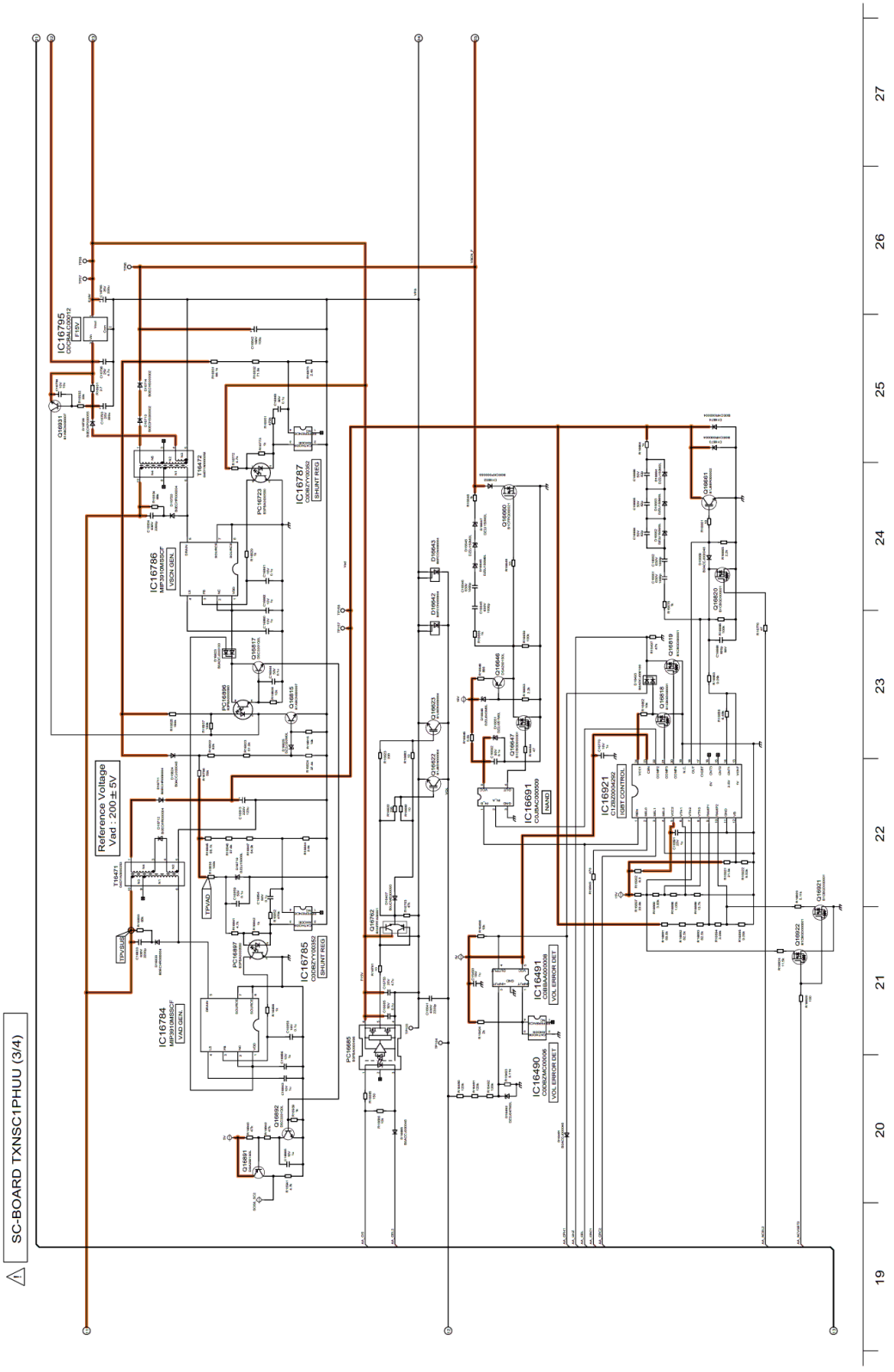
Model No. : TC-P50ST30 SC-Board (1/4)



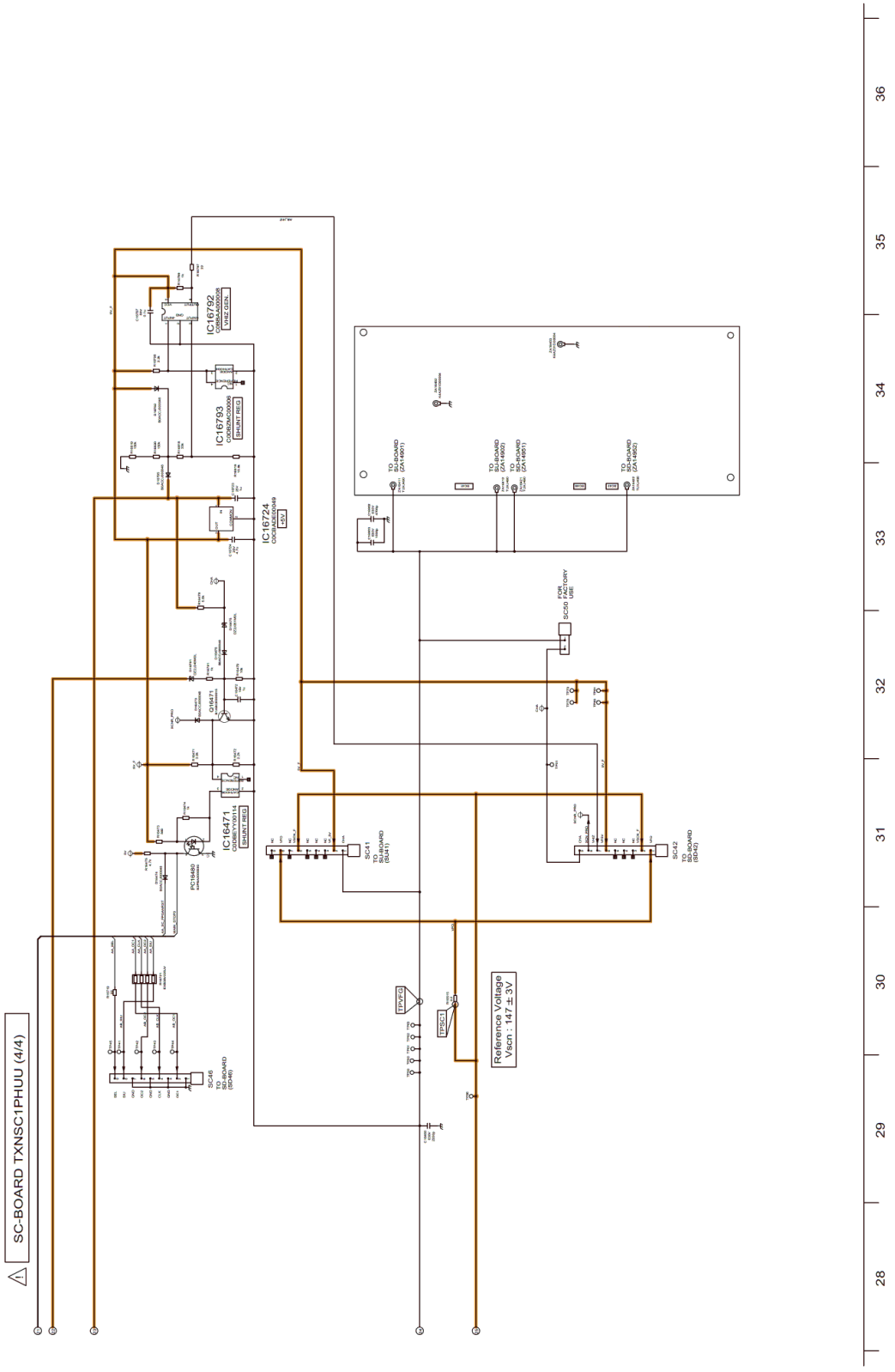
Model No. : TC-P50ST30 SC-Board (2/4)



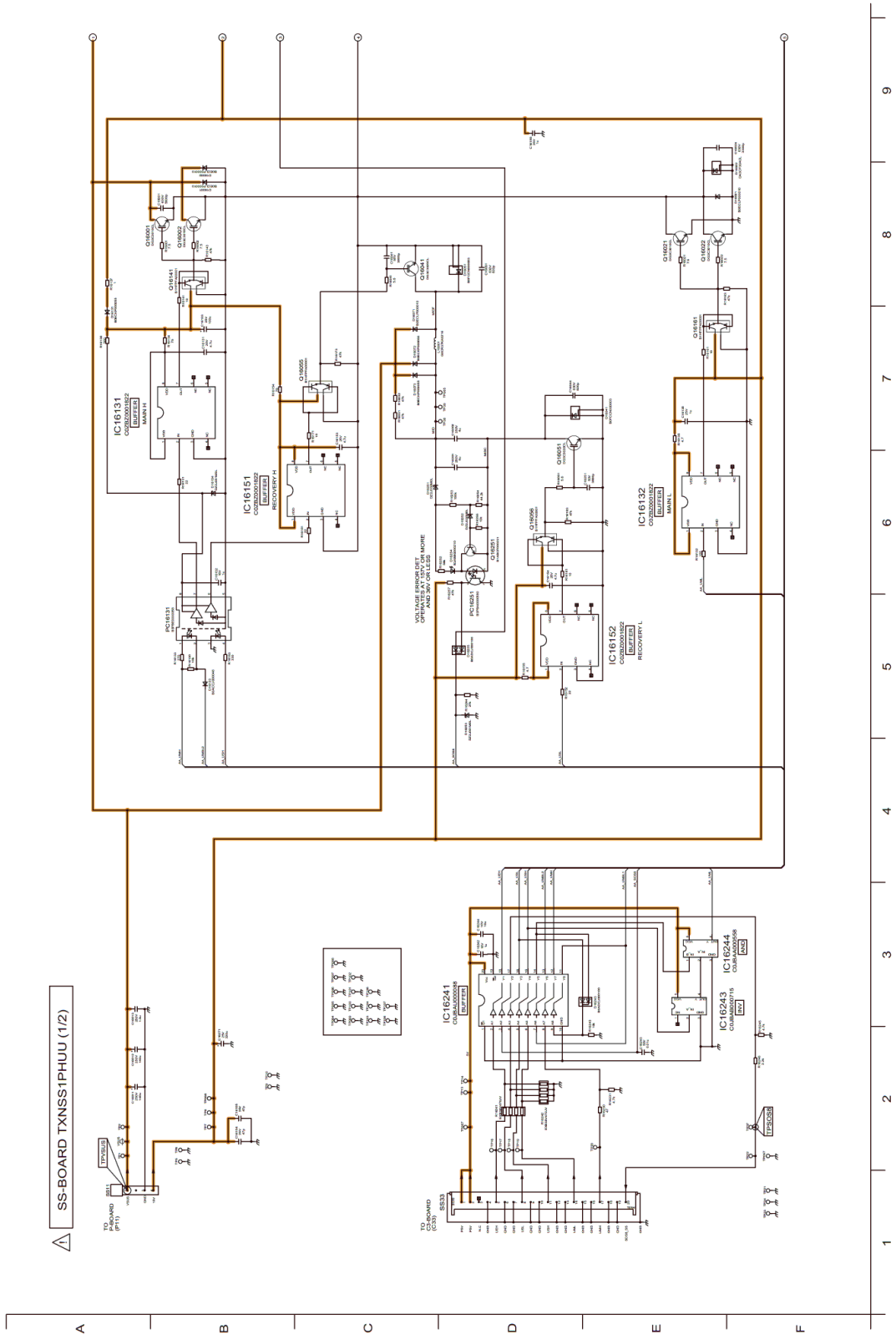
Model No. : TC-P50ST30 SC-Board (3/4)

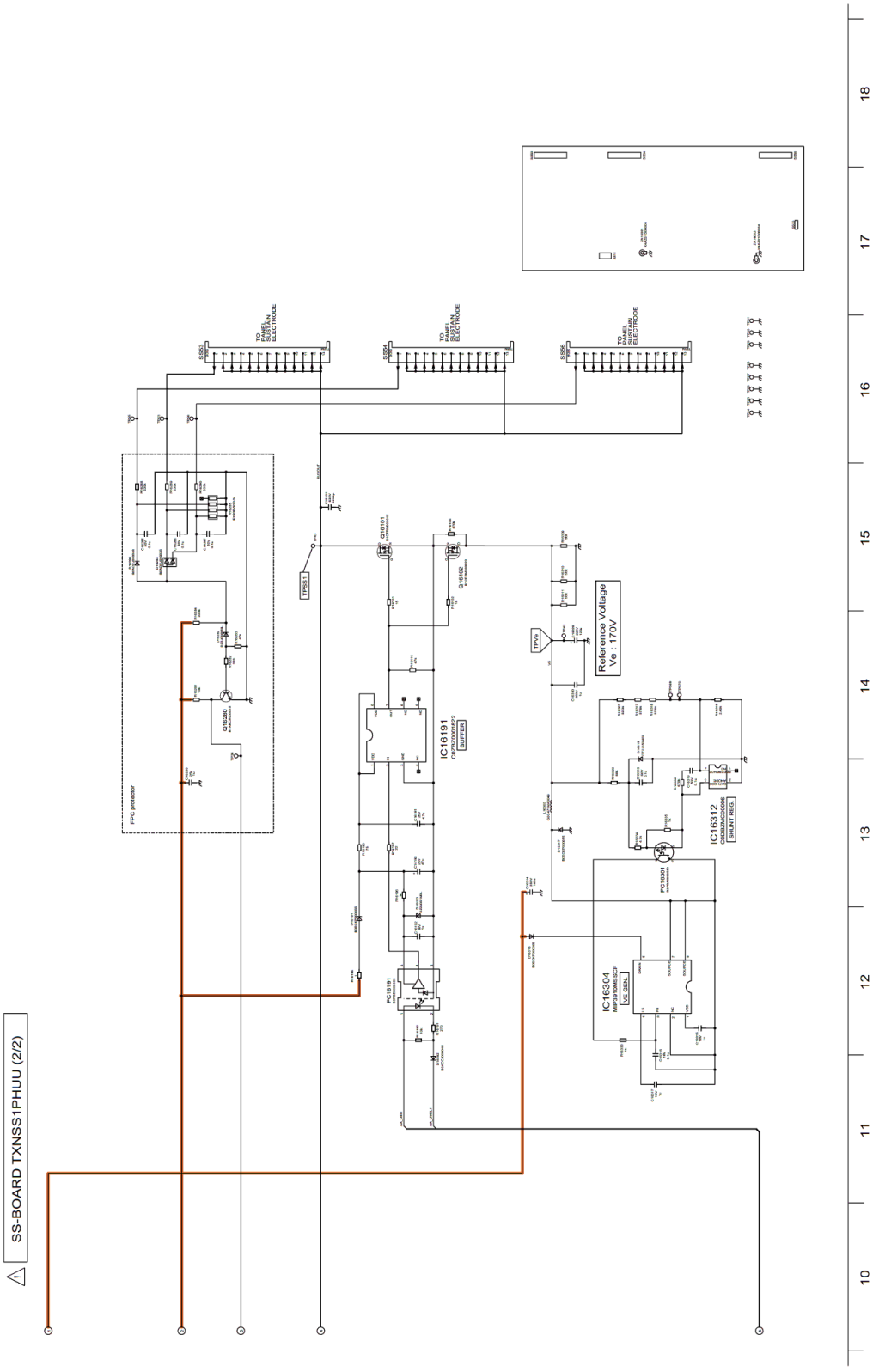


Model No. : TC-P50ST30 SC-Board (4/4)

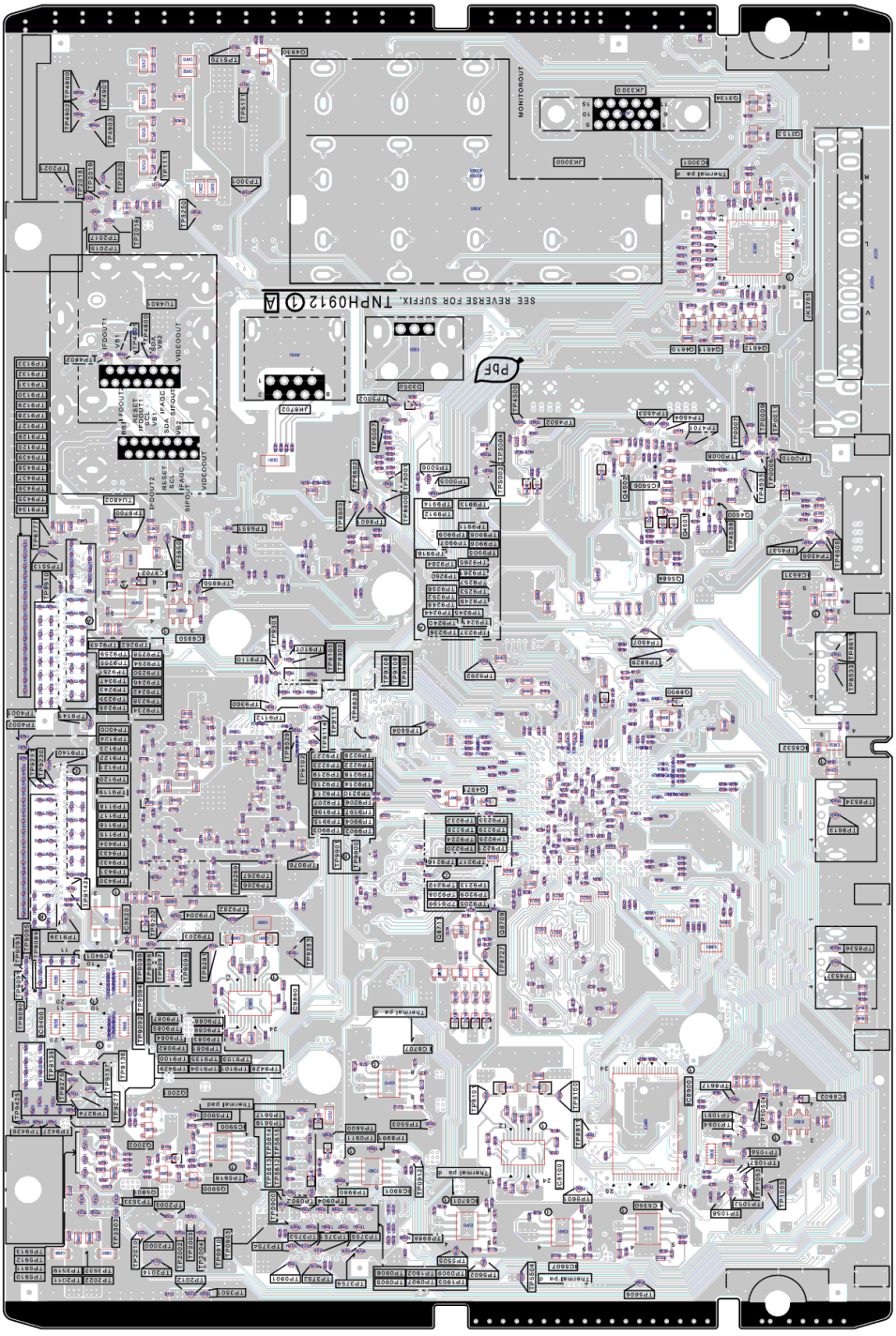


Model No. : TC-P50ST30 SS-Board (1/2)

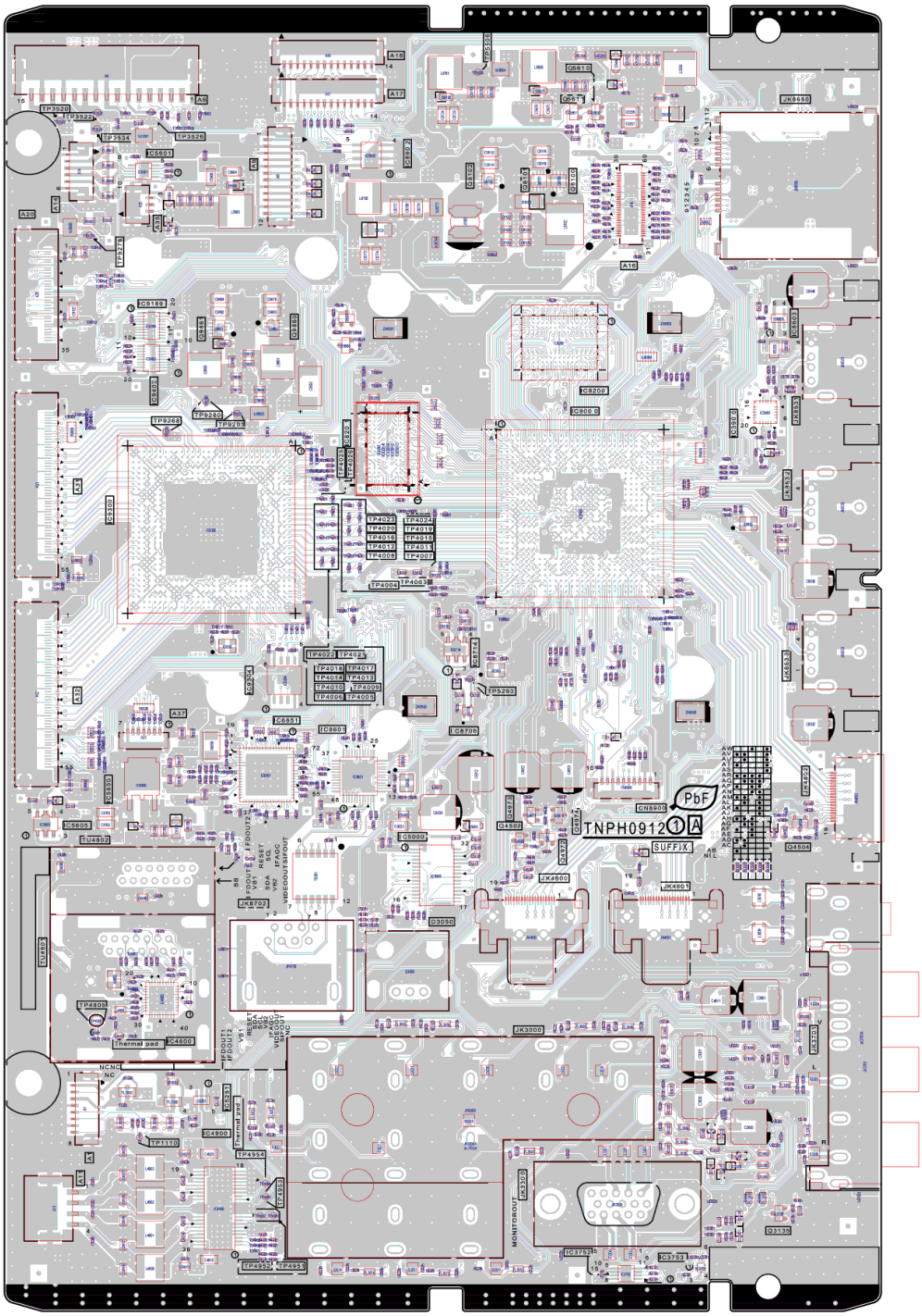


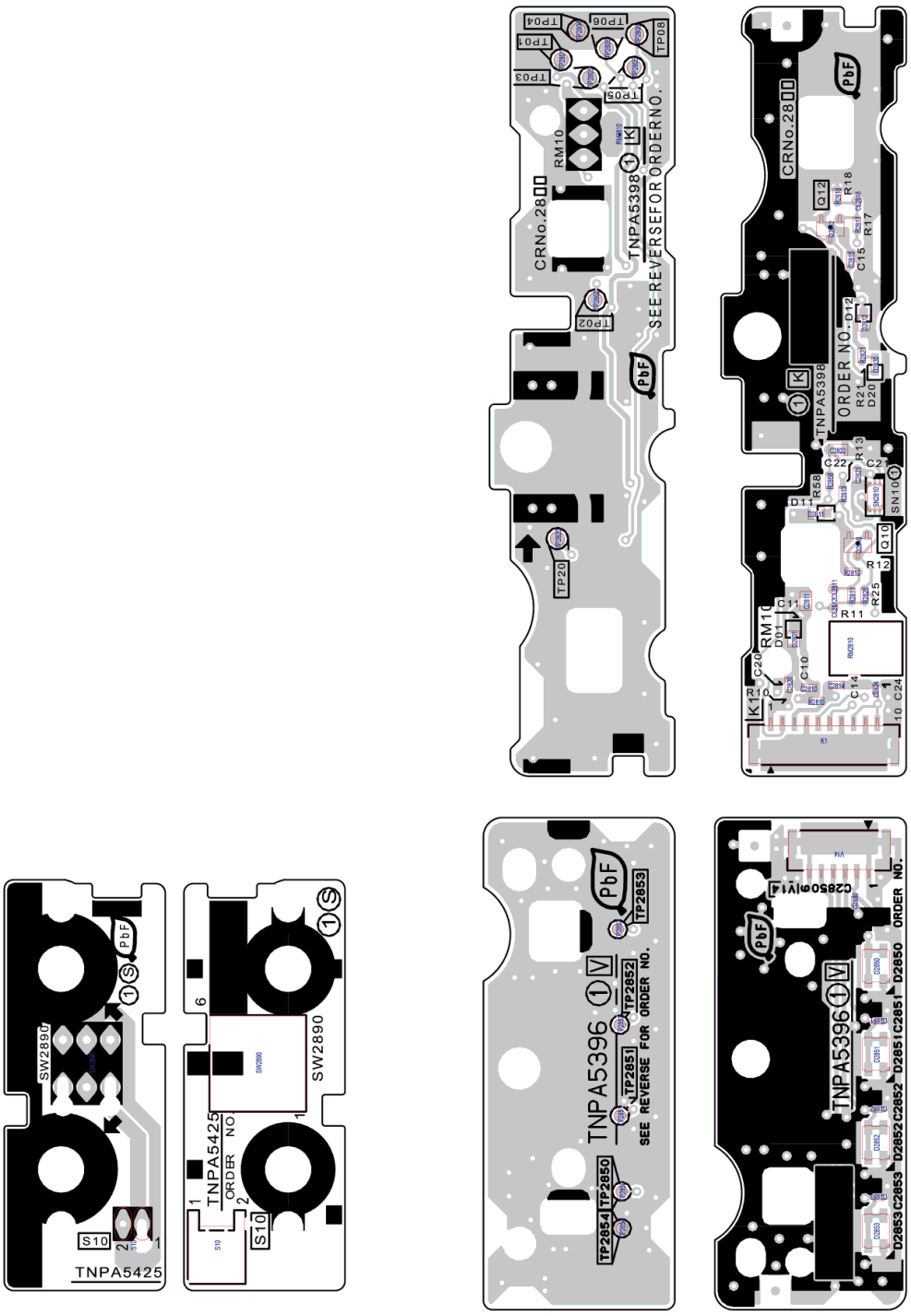

SS-BOARD TXNSS1PHUU (2/2)
SS53
SS54
SS56
TO FUEL FAN SUSTAIN ELECTRODE
TO PUMP SUSTAIN ELECTRODE
TO FUMU SUSTAIN ELECTRODE
FPC protector
IC16191
BUFFER
IC16312
SHUNT REG
IC16304
Reference Voltage
V6 : 170V
10
11
12
13
14
15
16
17
18

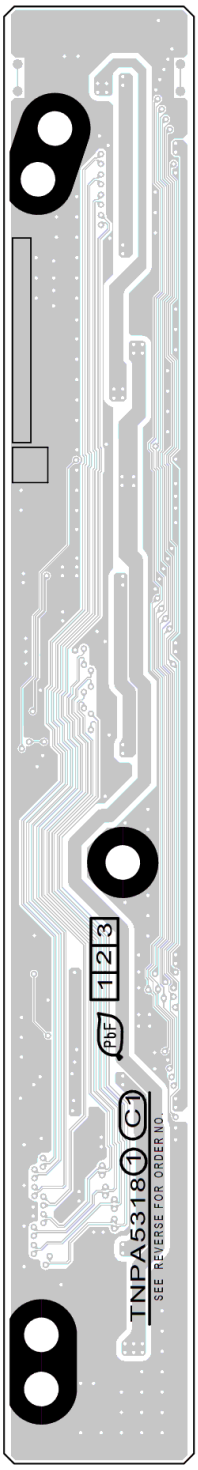
Model No. : TC-P50ST30 A-Board (Foil side)

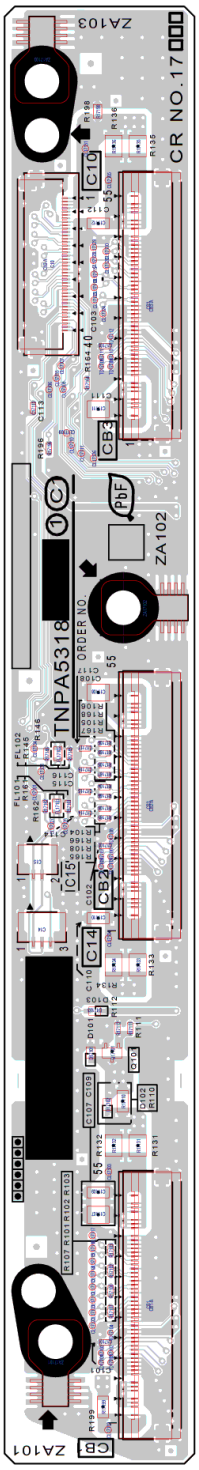


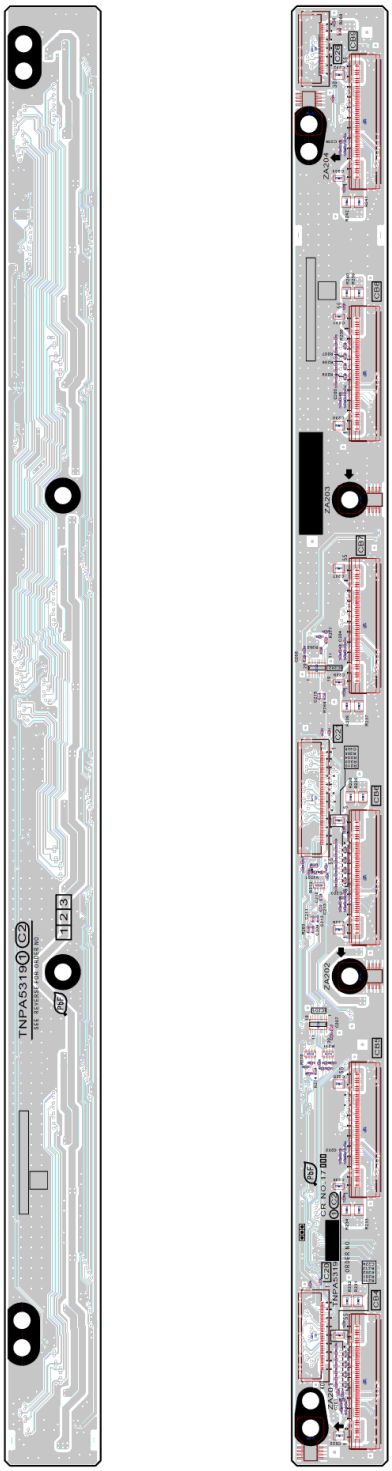
Model No. : TC-P50ST30 A-Board (Component side)

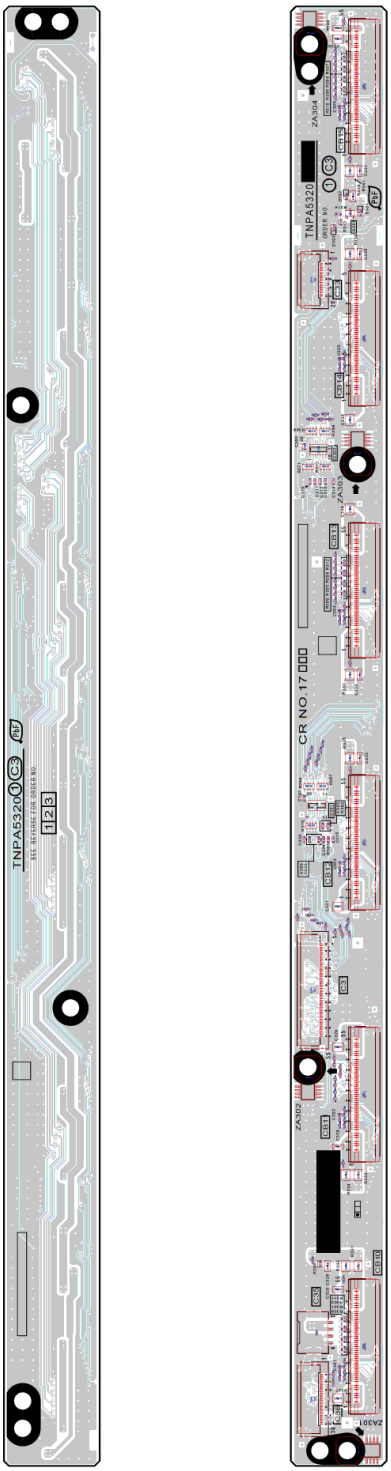



TNPA5425
SW2890
S10
PbF
TNPA5425
ORDER NO.
SW2890
TNPA5396
SEE REVERSE FOR ORDER NO.
TP2850
TP2851
TP2852
TP2853
TP2854
TNPA5396
ORDER NO.
TNPA5398
SEE REVERSE FOR ORDER NO.
CRNo.28□□
RM10
TP20
TP02
TP03
TP04
TP05
TP06
TP08
TNPA5396
ORDER NO.
CRNo.28□□
Q12
Q19
D11
D12
C10
C11
C14
C15
C20
C22
C24
R11
R12
R17
R18
R21
R25
R38
SN10

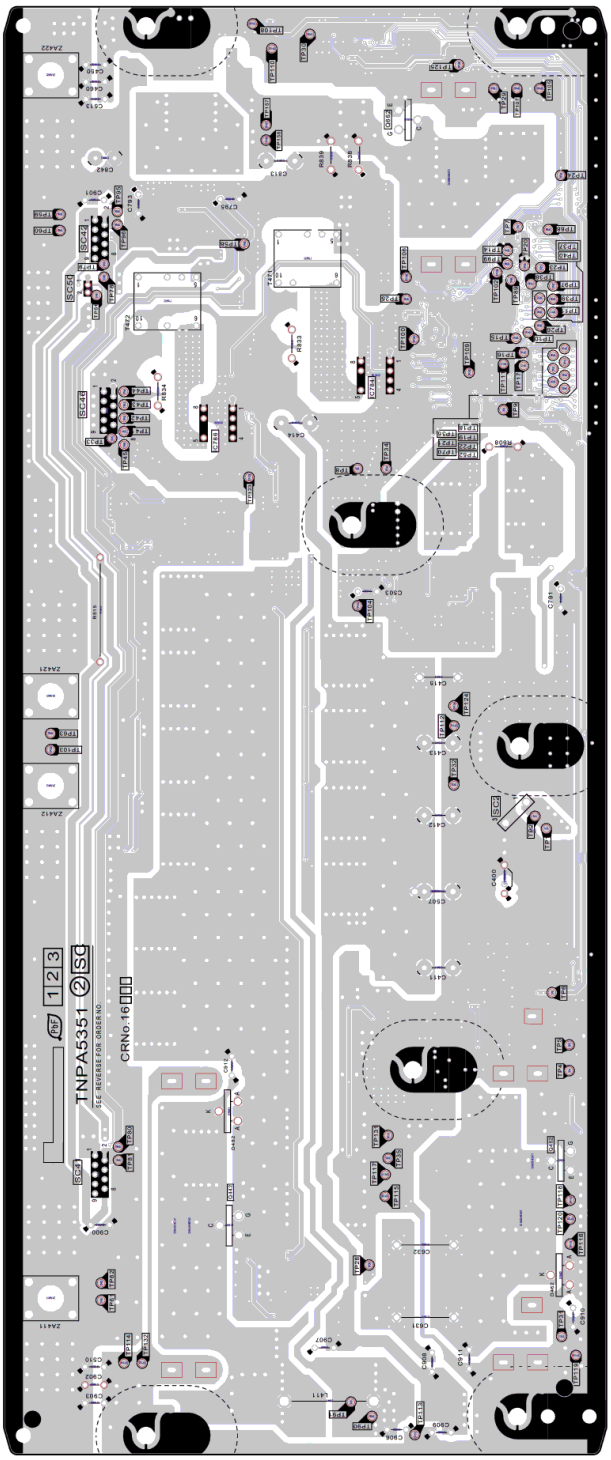

TNPA5318 (C1)
SEE REVERSE FOR ORDER NO.
PbF
1 2 3


ZA103
CR NO.17
C10
CB3
PbF
ZA102
TNPA5318
ORDER NO.
C15
CB2
C14
ZA101
CB

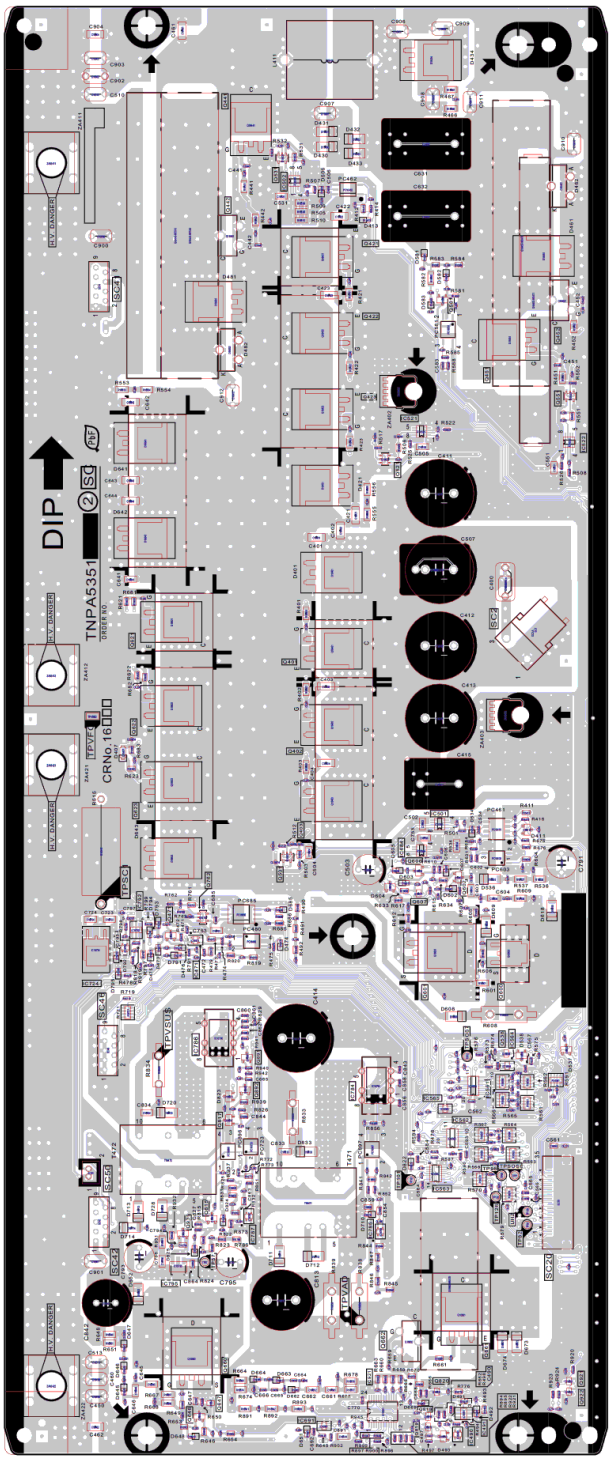

TNPA5319
C2
1 2 3
ZA204
ZA203
ZA202
ZA201
TNPA5317

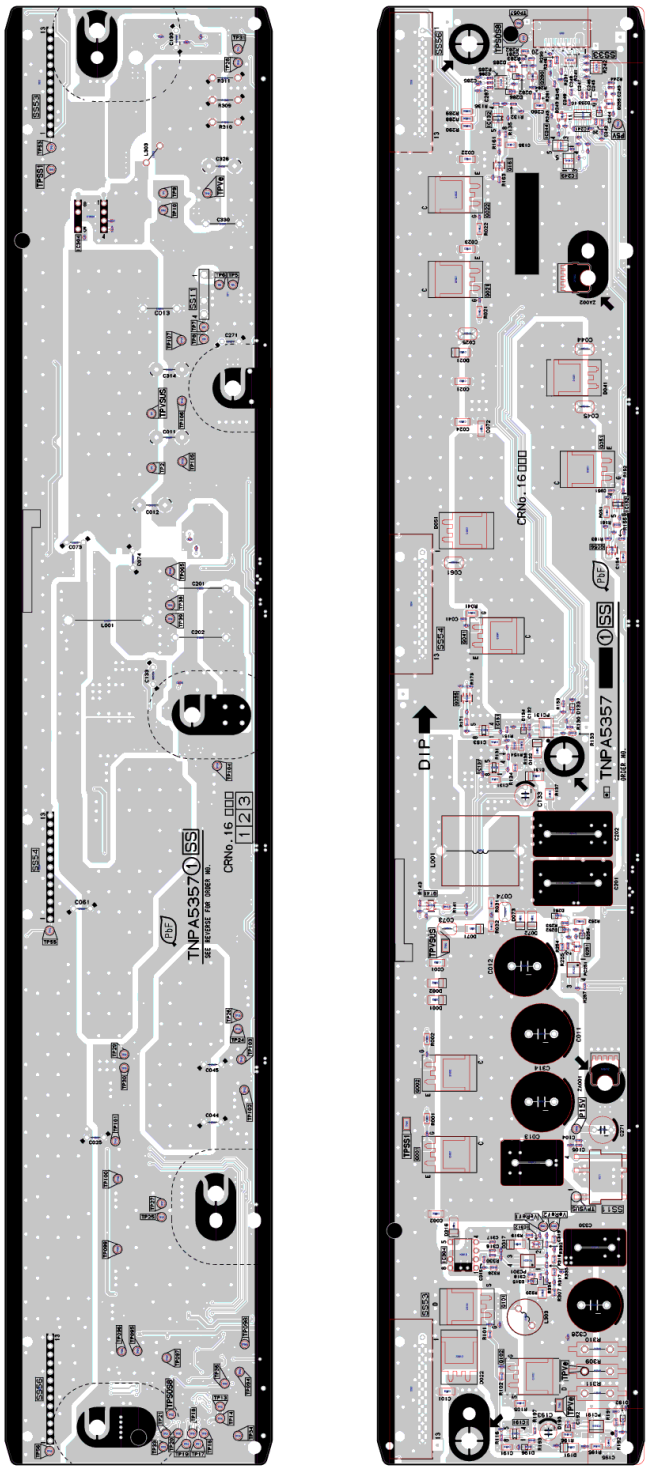


Model No. : TC-P50ST30 SC-Board (Foil side)



Model No. : TC-P50ST30 SC-Board (Component side)




TNPA5357 1SS
CRNo.16
1 2 3
TNPA5357 1SS
DIP
CRNo.16

Model No. : TC-P50ST30 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
⚠	PCB	TXN/A1PCUUS	CIRCUIT BOARD A	1	(RTL)PAVCA
⚠	PCB	TXN/P1PJUUS	CIRCUIT BOARD P	1	PAVCA
⚠	PCB	TXNC11PHUU	CIRCUIT BOARD C1	1	(RTL)PAVCA
⚠	PCB	TXNC21PHUU	CIRCUIT BOARD C2	1	(RTL)PAVCA
⚠	PCB	TXNC31PHUU	CIRCUIT BOARD C3	1	(RTL)PAVCA
⚠	PCB	TXNSC1PHUU	CIRCUIT BOARD SC	1	(RTL)PAVCA
⚠	PCB	TXNSD1PHUU	CIRCUIT BOARD SD	1	PAVCA
⚠	PCB	TXNSS1PCUU	CIRCUIT BOARD SS	1	(RTL)PAVCA
⚠	PCB	TXNSU1PHUU	CIRCUIT BOARD SU	1	PAVCA
⚠	PCB	TXN/K1PEUU	CIRCUIT BOARD K	1	(RTL)PAVCA
⚠	PCB	TXN/V1PEUU	CIRCUIT BOARD V	1	(RTL)PAVCA
⚠	PCB	TXN/S1PEUU	CIRCUIT BOARD S	1	(RTL)PAVCA
	A1	K1KY08AA0719	8P CONNECTOR	1	
	A6	K1KY15B00006	15P CONNECTOR	1	PAVCA
	A11	K1KY04B00013	4P CONNECTOR	1	PAVCA
	A14	K1KY06AA0719	6P CONNECTOR	1	
	A17	K1KA14A00248	14P CONNECTOR	1	
	A18	K1KA14A00248	14P CONNECTOR	1	
	A20	K1MY35BA0345	35P CONNECTOR	1	
	A31	K1MY55BA0345	55P CONNECTOR	1	
	A32	K1MY55BA0345	55P CONNECTOR	1	
	C10	K1MY40BA0345	40P CONNECTOR	1	
	C14	K1KY03AA0719	3P CONNECTOR	1	
	C20	K1MY40BA0345	40P CONNECTOR	1	
	C21	K1MY55BA0345	55P CONNECTOR	1	
	C26	K1MY30BA0345	30P CONNECTOR	1	
	C31	K1MY55BA0345	55P CONNECTOR	1	
	C33	K1MY20BA0345	20P CONNECTOR	1	
	C35	K1KY04B00013	4P CONNECTOR	1	PAVCA
	C36	K1MY30BA0345	30P CONNECTOR	1	
	C1053	F1G1C104A077	C 0.1UF 16V	1	
	C1105	F1G1E1030005	C 0.01UF 25V	1	
	C2810	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C2811	F1J1A106A087	C 10UF, 10V	1	
	C2821	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C2824	F1G1H1020008	C 1000PF 50V	1	
	C2850	F1G1A473A032	C0.047UF, 10V	1	
	C2851	F1G1A473A032	C0.047UF, 10V	1	
	C2852	F1G1A473A032	C0.047UF, 10V	1	
	C2853	F1G1A473A032	C0.047UF, 10V	1	
	C3005	F1J1A106A043	C 10UF, 10V	1	
	C3006	F1J1A106A043	C 10UF, 10V	1	
	C3007	F1J1A106A043	C 10UF, 10V	1	
	C3011	F1G1C104A077	C 0.1UF 16V	1	
	C3023	F1J1A106A043	C 10UF, 10V	1	
	C3026	F1J1A106A043	C 10UF, 10V	1	
	C3028	F1J1A106A043	C 10UF, 10V	1	
	C3035	F1G1C104A077	C 0.1UF 16V	1	
	C3045	ECJ1VB1A105K	C 1UF, 10V	1	
	C3046	ECJ1VB1A105K	C 1UF, 10V	1	
	C3047	F1J1A106A043	C 10UF, 10V	1	
	C3048	ECJ1VB1A105K	C 1UF, 10V	1	
	C3049	ECJ1VB1A105K	C 1UF, 10V	1	
	C3054	F1G1C104A077	C 0.1UF 16V	1	
	C3157	F1G1C104A077	C 0.1UF 16V	1	
	C3750	F1G1C104A077	C 0.1UF 16V	1	
	C4500	ECJ1VB1A105K	C 1UF, 10V	1	
	C4504	ECJ1VB1A105K	C 1UF, 10V	1	
	C4619	ECJ1VB1A105K	C 1UF, 10V	1	
	C4622	ECJ1VB1A105K	C 1UF, 10V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C4625	ECJ1VB1A105K	C 1UF, 10V	1	
	C4802	F1J1A106A043	C 10UF, 10V	1	
	C4804	F1J1A106A043	C 10UF, 10V	1	
	C4805	F1G1H220A565	C 22PF, 50V	1	
	C4806	F1G1C104A077	C 0.1UF 16V	1	
	C4810	F1G1A105A047	C 1UF 10V	1	
	C4811	F1G1A105A047	C 1UF 10V	1	
	C4816	F1G1C104A077	C 0.1UF 16V	1	
	C4817	F1G1C104A077	C 0.1UF 16V	1	
	C4820	F1G1H101A565	C 100PF 50V	1	
	C4821	F1G1H101A565	C 100PF 50V	1	
	C4823	F1J1A106A043	C 10UF, 10V	1	
	C4839	F1G1H1020008	C 1000PF 50V	1	
	C4910	F1G1H1020008	C 1000PF 50V	1	
	C4911	F1J1E105A231	C 1 UF 25V	1	
	C4912	F1K1E106A136	C 10UF, 25V	1	
	C4913	F1K1E106A136	C 10UF, 25V	1	
	C4914	F1H1H104A970	C 0.1UF, , 50V	1	
	C4915	F1J1E105A231	C 1 UF 25V	1	
	C4916	F1H1H104A970	C 0.1UF, , 50V	1	
	C4918	F1J1E4740001	C 0.47UF, 25V	1	PAVCA
	C4919	F1J1E4740001	C 0.47UF, 25V	1	PAVCA
	C4920	F1G1H1020008	C 1000PF 50V	1	
	C4921	F1J1E105A231	C 1 UF 25V	1	
	C4922	F1K1E106A136	C 10UF, 25V	1	
	C4923	F1K1E106A136	C 10UF, 25V	1	
	C4924	F1H1H104A970	C 0.1UF, , 50V	1	
	C4925	F1J1E105A231	C 1 UF 25V	1	
	C4926	F1H1H104A970	C 0.1UF, , 50V	1	
	C4928	F1J1E4740001	C 0.47UF, 25V	1	PAVCA
	C4929	F1J1E4740001	C 0.47UF, 25V	1	PAVCA
	C4930	F1G1C104A077	C 0.1UF 16V	1	
	C4931	F1G1C104A077	C 0.1UF 16V	1	
	C4941	F1J1A106A043	C 10UF, 10V	1	
	C4942	F1J1A106A043	C 10UF, 10V	1	
	C5000	F1G1E1030005	C 0.01UF 25V	1	
	C5002	F1J1E105A231	C 1 UF 25V	1	
	C5003	F1H1C105A145	C 1 uF 16 V	1	
	C5011	F1G1C104A077	C 0.1UF 16V	1	
	C5012	EEEHB1C101UP	C 100PF, J, 16V	1	
	C5013	ECJ1VB1A105K	C 1UF, 10V	1	
	C5014	ECJ1VB1A105K	C 1UF, 10V	1	
	C5015	ECJ1VB1A105K	C 1UF, 10V	1	
	C5016	ECJ1VB1A105K	C 1UF, 10V	1	
	C5017	ECJ1VB1A105K	C 1UF, 10V	1	
	C5018	F1G1C104A077	C 0.1UF 16V	1	
	C5020	F1G1E1030005	C 0.01UF 25V	1	
	C5255	ECJ1VB1A105K	C 1UF, 10V	1	
	C5256	ECJ1VB1A105K	C 1UF, 10V	1	
	C5352	F1J1A106A043	C 10UF, 10V	1	
	C5353	F1G1H103A509	C 0.01PF, 50V	1	PAVCA
	C5356	F1K1E106A136	C 10UF, 25V	1	
	C5357	F1K1E106A136	C 10UF, 25V	1	
	C5358	F1J1A106A043	C 10UF, 10V	1	
	C5359	F1G1H821A459	C 820 pF 50 V	1	PAVCA
	C5371	F1J1A106A043	C 10UF, 10V	1	
	C5653	F1G1H1020008	C 1000PF 50V	1	
	C5663	F1J1A106A087	C 10UF, 10V	1	
	C5664	F1J1A106A087	C 10UF, 10V	1	
	C5667	F1G1E1030005	C 0.01UF 25V	1	
	C5900	F1J1A106A043	C 10UF, 10V	1	
	C5901	F1J1A106A043	C 10UF, 10V	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C5902	F1J1A106A043	C 10UF, 10V	1	
	C5905	F1G1C223A081	C 0.022UF, 16V	1	
	C5906	F1K1E106A136	C 10UF, 25V	1	
	C5908	F1G1A333A032	C0.033UF, 10V	1	
	C5909	F1G1H1020008	C 1000PF 50V	1	
	C5911	F1J1A106A043	C 10UF, 10V	1	
	C5912	F1G1E472A086	C 4700pF 25V	1	
	C5913	F1G1A473A032	C0.047UF, 10V	1	
	C5915	F1G1A473A032	C0.047UF, 10V	1	
	C5917	F1G1A473A032	C0.047UF, 10V	1	
	C5919	F1G1A473A032	C0.047UF, 10V	1	
	C8001	F1G1C104A077	C 0.1UF 16V	1	
	C8002	F1J1A106A087	C 10UF, 10V	1	
	C8003	F1G1C104A077	C 0.1UF 16V	1	
	C8004	F1G1C104A077	C 0.1UF 16V	1	
	C8005	F1G1C104A077	C 0.1UF 16V	1	
	C8006	F1G1C104A077	C 0.1UF 16V	1	
	C8007	F1G1C104A077	C 0.1UF 16V	1	
	C8008	F1G1C104A077	C 0.1UF 16V	1	
	C8009	F1J1A106A087	C 10UF, 10V	1	
	C8011	F1G1C104A077	C 0.1UF 16V	1	
	C8013	F1G1C104A077	C 0.1UF 16V	1	
	C8014	F1G1C104A077	C 0.1UF 16V	1	
	C8015	F1G1C104A077	C 0.1UF 16V	1	
	C8016	F1G1C104A077	C 0.1UF 16V	1	
	C8017	F1J1A106A087	C 10UF, 10V	1	
	C8018	F1G1C104A077	C 0.1UF 16V	1	
	C8019	F1G1C104A077	C 0.1UF 16V	1	
	C8020	F1G1C104A077	C 0.1UF 16V	1	
	C8021	F1G1C104A077	C 0.1UF 16V	1	
	C8022	F1J1A106A087	C 10UF, 10V	1	
	C8023	F1J1A106A087	C 10UF, 10V	1	
	C8024	F1J0G2260001	C 22 UF 4 V	1	
	C8026	F1G1C104A077	C 0.1UF 16V	1	
	C8027	F1G1C104A077	C 0.1UF 16V	1	
	C8028	F1G1C104A077	C 0.1UF 16V	1	
	C8030	F1G1C104A077	C 0.1UF 16V	1	
	C8032	F1G1C104A077	C 0.1UF 16V	1	
	C8036	F1G1C104A077	C 0.1UF 16V	1	
	C8039	F1G1C104A077	C 0.1UF 16V	1	
	C8041	F1G1H1020008	C 1000PF 50V	1	
	C8042	F1G1C104A077	C 0.1UF 16V	1	
	C8043	F1G1C104A077	C 0.1UF 16V	1	
	C8044	F1G1C104A077	C 0.1UF 16V	1	
	C8045	F1G1C104A077	C 0.1UF 16V	1	
	C8047	F1G1C104A077	C 0.1UF 16V	1	
	C8048	F1G1C104A077	C 0.1UF 16V	1	
	C8049	F1J1A106A087	C 10UF, 10V	1	
	C8050	F1G1C104A077	C 0.1UF 16V	1	
	C8051	F1J1A106A087	C 10UF, 10V	1	
	C8052	F1G1C104A077	C 0.1UF 16V	1	
	C8053	F1G1C104A077	C 0.1UF 16V	1	
	C8054	F1G1C104A077	C 0.1UF 16V	1	
	C8055	F1G1C104A077	C 0.1UF 16V	1	
	C8056	F1G1C104A077	C 0.1UF 16V	1	
	C8057	F1G1C104A077	C 0.1UF 16V	1	
	C8100	F1G1E682A123	C 6800 pF 25 V	1	
	C8102	F1J1A475A087	C 4.7UF, 10V	1	
	C8104	F1H1C105A145	C 1 uF 16 V	1	
	C8106	F1G1C223A081	C 0.022UF, 16V	1	
	C8108	F1G1C104A077	C 0.1UF 16V	1	
	C8110	F1G1C104A077	C 0.1UF 16V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C8112	F1K1E106A136	C 10UF, 25V	1	
	C8114	F1K1E106A136	C 10UF, 25V	1	
	C8116	F1K1E106A136	C 10UF, 25V	1	
	C8118	F1K1E106A136	C 10UF, 25V	1	
	C8120	F1J0G2260001	C 22 UF 4 V	1	
	C8122	F1J0G2260001	C 22 UF 4 V	1	
	C8124	F1J0G2260001	C 22 UF 4 V	1	
	C8126	F1J0G2260001	C 22 UF 4 V	1	
	C8128	F1J0G2260001	C 22 UF 4 V	1	
	C8200	F1G1C104A077	C 0.1UF 16V	1	
	C8201	F1G1C104A077	C 0.1UF 16V	1	
	C8202	F1G1C104A077	C 0.1UF 16V	1	
	C8203	F1G1C104A077	C 0.1UF 16V	1	
	C8204	F1G1C104A077	C 0.1UF 16V	1	
	C8205	F1J1A106A087	C 10UF, 10V	1	
	C8206	F1G1C104A077	C 0.1UF 16V	1	
	C8208	F1G1C104A077	C 0.1UF 16V	1	
	C8210	F1G1C104A077	C 0.1UF 16V	1	
	C8213	F1G1C104A077	C 0.1UF 16V	1	
	C8214	F1J1A106A087	C 10UF, 10V	1	
	C8216	F1G1C104A077	C 0.1UF 16V	1	
	C8218	F1G1C104A077	C 0.1UF 16V	1	
	C8219	F1G1C104A077	C 0.1UF 16V	1	
	C8222	F1G1C104A077	C 0.1UF 16V	1	
	C8223	F1G1C104A077	C 0.1UF 16V	1	
	C8224	F1G1C104A077	C 0.1UF 16V	1	
	C8225	F1G1C104A077	C 0.1UF 16V	1	
	C8226	F1G1C104A077	C 0.1UF 16V	1	
	C8227	F1G1C104A077	C 0.1UF 16V	1	
	C8300	F1G1H9R0A732	C 9 PF, 50V	1	
	C8301	F1G1H9R0A732	C 9 PF, 50V	1	
	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	
	C8532	EEEHB0J221UP	E 220UF, 6.3V	1	
	C8534	F1J1A106A043	C 10UF, 10V	1	
	C8535	F1G1C104A077	C 0.1UF 16V	1	
	C8536	EEEHB0J221UP	E 220UF, 6.3V	1	
	C8538	F1J1A106A043	C 10UF, 10V	1	
	C8539	F1G1C104A077	C 0.1UF 16V	1	
	C8542	F1J1A106A043	C 10UF, 10V	1	
	C8543	F1G1C104A077	C 0.1UF 16V	1	
	C8544	F1J1A106A043	C 10UF, 10V	1	
	C8545	F1G1C104A077	C 0.1UF 16V	1	
	C8565	F1G1C104A077	C 0.1UF 16V	1	
	C8570	F1G1C104A077	C 0.1UF 16V	1	
	C8603	F1J1A106A043	C 10UF, 10V	1	
	C8604	F1G1C104A077	C 0.1UF 16V	1	
	C8605	F1G1C104A077	C 0.1UF 16V	1	
	C8607	F1G1H100A565	C 10PF 50V	1	
	C8608	F1G1H100A565	C 10PF 50V	1	
	C8609	F1G1C104A077	C 0.1UF 16V	1	
	C8611	F1G1C104A077	C 0.1UF 16V	1	
	C8615	F1J1A106A043	C 10UF, 10V	1	
	C8616	F1J1A106A043	C 10UF, 10V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C8619	F1G1C104A077	C 0.1UF 16V	1	
	C8620	F1G1C104A077	C 0.1UF 16V	1	
	C8627	F1G1C104A077	C 0.1UF 16V	1	
	C8629	F1J0G2260001	C 22 UF 4 V	1	
	C8630	F1J0G2260001	C 22 UF 4 V	1	
	C8707	F1G1C223A081	C 0.022UF, 16V	1	
	C8708	F1J1A106A043	C 10UF, 10V	1	
	C8709	F1J1A106A043	C 10UF, 10V	1	
	C8711	F1G1A333A032	C0.033UF, 10V	1	
	C8712	F1G1H5610004	C 560 pF 50 V	1	PAVCA
	C8714	F1J1A475A087	C 4.7UF, 10V	1	
	C8715	F1J1A106A043	C 10UF, 10V	1	
	C8716	F1G1C104A077	C 0.1UF 16V	1	
	C8717	F1G1C104A077	C 0.1UF 16V	1	
	C8724	F1K1E106A136	C 10UF, 25V	1	
	C8763	F1G1C104A077	C 0.1UF 16V	1	
	C8764	ECJ1VB1A105K	C 1UF, 10V	1	
	C8765	ECJ1VB1A105K	C 1UF, 10V	1	
	C8781	F1G1C104A077	C 0.1UF 16V	1	
	C8900	F1G1C104A077	C 0.1UF 16V	1	
	C8901	F1G1C104A077	C 0.1UF 16V	1	
	C8902	F1G1C104A077	C 0.1UF 16V	1	
	C8903	F1G1C104A077	C 0.1UF 16V	1	
	C9052	F1G1C104A077	C 0.1UF 16V	1	
	C9099	F1G1C104A077	C 0.1UF 16V	1	
	C9100	F1J1A106A087	C 10UF, 10V	1	
	C9101	F1G1E1030005	C 0.01UF 25V	1	
	C9102	F1K1E106A136	C 10UF, 25V	1	
	C9103	F1G1E1030005	C 0.01UF 25V	1	
	C9300	F1G1C104A077	C 0.1UF 16V	1	
	C9301	F1G1H120A565	C 12PF, 50V	1	
	C9302	F1G1H180A565	C 18PF, 50V	1	
	C9308	F1G1C104A077	C 0.1UF 16V	1	
	C9311	F1G1C104A077	C 0.1UF 16V	1	
	C9312	F1J1A106A087	C 10UF, 10V	1	
	C9313	F1G1C104A077	C 0.1UF 16V	1	
	C9328	F1G1C104A077	C 0.1UF 16V	1	
	C9330	F1G1A105A047	C 1UF 10V	1	
	C9331	F1G1A105A047	C 1UF 10V	1	
	C9332	F1G1A105A047	C 1UF 10V	1	
	C9337	F1J1A106A087	C 10UF, 10V	1	
	C9362	F1G1C104A077	C 0.1UF 16V	1	
	C9366	F1G1A105A047	C 1UF 10V	1	
	C9371	F1J1A106A087	C 10UF, 10V	1	
	C9375	F1G1C104A077	C 0.1UF 16V	1	
	C9380	F1G1C104A077	C 0.1UF 16V	1	
	C9389	F1G1A105A047	C 1UF 10V	1	
	C9392	F1J1A106A087	C 10UF, 10V	1	
	C9400	F1G1C104A077	C 0.1UF 16V	1	
	C9401	F1G1C104A077	C 0.1UF 16V	1	
	C9402	F1G1C104A077	C 0.1UF 16V	1	
	C9404	F1G1C104A077	C 0.1UF 16V	1	
	C9407	F1G1C104A077	C 0.1UF 16V	1	
	C9409	F1J1A106A087	C 10UF, 10V	1	
	C9411	F1J1A106A087	C 10UF, 10V	1	
	C9413	F1J1A106A087	C 10UF, 10V	1	
	C9415	F1J1A106A087	C 10UF, 10V	1	
	C9820	F1J1A106A087	C 10UF, 10V	1	
	C9822	F1J1A106A087	C 10UF, 10V	1	
	C9860	F1G1E472A086	C 4700pF 25V	1	
	C9861	F1J1A475A087	C 4.7UF, 10V	1	
	C9862	F1K1E106A136	C 10UF, 25V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C9863	F1K1E106A136	C 10UF, 25V	1	
	C9864	F1K1E106A136	C 10UF, 25V	1	
	C9865	F1J1A106A043	C 10UF, 10V	1	
	C9866	F1J0G2260001	C 22 UF 4 V	1	
	C9867	F1J1A106A043	C 10UF, 10V	1	
	C9868	F1J0G2260001	C 22 UF 4 V	1	
	C9869	F1J1A106A043	C 10UF, 10V	1	
	C9871	F1J0G2260001	C 22 UF 4 V	1	
	C9872	F1H1C105A145	C 1 uF 16 V	1	
	C9873	F1G1E122A123	C 1200pF 25V	1	PAVCA
	C9874	F1G1C104A077	C 0.1UF 16V	1	
	C9875	F1G1C104A077	C 0.1UF 16V	1	
	C9876	F1K1E106A136	C 10UF, 25V	1	
	C16001	F1L2J562A022	C 5600PF, 630V	1	
	C16011	F2A2E141A217	E 140UF, 250V	1	
	C16012	F2A2E141A217	E 140UF, 250V	1	
	C16013	F0C2E155A286	C 1.5UF, 250V	1	PAVCA
	C16024	F1L2J332A022	C 3300PF, 630V	1	
	C16041	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16044	F1E2J821A002	C 820PF, 630V	1	
	C16051	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16061	F1E2J821A002	C 820PF, 630V	1	
	C16101	F1L2J332A022	C 3300PF, 630V	1	
	C16104	F1H1E470A130	C 47PF, 25V	1	
	C16105	F1H1E470A130	C 47PF, 25V	1	
	C16022	F1L2J222A022	C 2200PF, 630V	1	
	C16024	F1L2J1020001	C 1000PF, 630V	1	
	C16025	F1E2J222A002	C 2200PF, 630V	1	
	C16131	F1K1E475A134	C 4.7UF 25V	1	
	C16132	F1H1C105A145	C 1 uF 16 V	1	
	C16133	F2A1E101A089	E 100UF 25V	1	
	C16135	F1K1E105A029	C 1UF, 25V	1	
	C16153	F1K1E475A134	C 4.7UF 25V	1	
	C16154	F1K1E475A134	C 4.7UF 25V	1	
	C16191	F1K1E475A134	C 4.7UF 25V	1	
	C16192	F1H1C105A145	C 1 uF 16 V	1	
	C16193	F2A1E470B725	E 47UF, 25V	1	PAVCA
	C16195	F1K1E105A029	C 1UF, 25V	1	
	C16201	F0C2E405A278	C 4UF, 250V	1	PAVCA
	C16202	F0C2E405A278	C 4UF, 250V	1	PAVCA
	C16242	F1H1C105A145	C 1 uF 16 V	1	
	C16243	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16244	F1J1A106A087	C 10UF, 10V	1	
	C16271	F2A1E221B726	E 220UF, 25V	1	PAVCA
	C16280	F1K1E105A029	C 1UF, 25V	1	
	C16285	F1H1H104A970	C 0.1UF, , 50V	1	
	C16286	F1H1H104A970	C 0.1UF, , 50V	1	
	C16287	F1H1H104A970	C 0.1UF, , 50V	1	
	C16314	F2A2E141A217	E 140UF, 250V	1	
	C16315	ECJ1VB1A105K	C 1UF, 10V	1	
	C16316	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16317	ECJ1VB1A105K	C 1UF, 10V	1	
	C16318	F1J1H104A717	C 0.1UF, 50V	1	
	C16319	F1J1H104A717	C 0.1UF, 50V	1	
	C16328	F2A2T1210001	E 120UF, 220V	1	PAVCA
	C16330	F0C2E105A286	C 1 UF 250 V	1	PAVCA
	C16401	F1L2J562A022	C 5600PF, 630V	1	
	C16411	F2A2E141A217	E 140UF, 250V	1	
	C16412	F2A2E141A217	E 140UF, 250V	1	
	C16414	F2A2E141A217	E 140UF, 250V	1	
	C16421	F1L2J562A022	C 5600PF, 630V	1	
	C16441	ECJ1VB1H392K	C 3900UF, 50V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C16451	ECJ1VB1H392K	C 3900UF, 50V	1	
	C16460	F1E2J222A002	C 2200PF, 630V	1	
	C16472	ECJ1VB1A105K	C 1UF, 10V	1	
	C16490	F1H1C105A145	C 1 uF 16 V	1	
	C16502	F1K1E475A134	C 4.7UF 25V	1	
	C16503	F2A1E221B726	E 220UF, 25V	1	PAVCA
	C16505	F1K1E105A029	C 1UF, 25V	1	
	C16506	F1H1C105A145	C 1 uF 16 V	1	
	C16507	F0C2E155A286	C 1.5UF, 250V	1	PAVCA
	C16531	F1K1E475A134	C 4.7UF 25V	1	
	C16534	F1H1C105A145	C 1 uF 16 V	1	
	C16551	F1K1E475A134	C 4.7UF 25V	1	
	C16561	F1J1A106A087	C 10UF, 10V	1	
	C16562	F1H1C105A145	C 1 uF 16 V	1	
	C16564	F1H1C105A145	C 1 uF 16 V	1	
	C16565	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16566	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16567	F1H1C105A145	C 1 uF 16 V	1	
	C16584	F1H1H392A970	C 3900PF, 50V	1	
	C16593	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C16602	F1H1H2200008	C 22PF, 50V	1	
	C16603	F1K2J102A014	C 1000PF, 630V	1	
	C16604	F1K2J102A014	C 1000PF, 630V	1	
	C16631	F0C2E405A278	C 4UF, 250V	1	PAVCA
	C16632	F0C2E405A278	C 4UF, 250V	1	PAVCA
	C16641	F1K2J222A014	C 2200PF ,630V	1	
	C16645	F1K2J102A014	C 1000PF, 630V	1	
	C16646	F1K2J102A014	C 1000PF, 630V	1	
	C16661	F1K2J102A038	C 1000PF, 630V	1	
	C16662	F1K2J102A038	C 1000PF, 630V	1	
	C16664	ECJ1XC1H820J	C 82PF, J, 50V	1	
	C16665	ECJ1XC1H820J	C 82PF, J, 50V	1	
	C16666	ECJ1XC1H820J	C 82PF, J, 50V	1	
	C16668	F1H1H821A831	C 820 PF, 50V	1	PAVCA
	C16685	F1H1H104A970	C 0.1UF, , 50V	1	
	C16692	F1H1H104A970	C 0.1UF, , 50V	1	
	C16723	F1K1E105A029	C 1UF, 25V	1	
	C16724	F1K1E475A134	C 4.7UF 25V	1	
	C16753	F1K1E475A134	C 4.7UF 25V	1	
	C16770	F1H1C105A145	C 1 uF 16 V	1	
	C16791	F2A1E221B726	E 220UF, 25V	1	PAVCA
	C16793	F2A1E221B726	E 220UF, 25V	1	PAVCA
	C16794	F1J1A106A087	C 10UF, 10V	1	
	C16795	F2A1E221B726	E 220UF, 25V	1	PAVCA
	C16796	F1K1E475A134	C 4.7UF 25V	1	
	C16797	F1H1H104A970	C 0.1UF, , 50V	1	
	C16813	F2A2T1210001	E 120UF, 220V	1	PAVCA
	C16833	F1K2J222A014	C 2200PF ,630V	1	
	C16834	F1K2J222A014	C 2200PF ,630V	1	
	C16842	F2A2C1010028	E 100UF, 160V	1	PAVCA
	C16843	ECJ1VB1A105K	C 1UF, 10V	1	
	C16844	F1J1H104A717	C 0.1UF, 50V	1	
	C16854	F1J1H104A717	C 0.1UF, 50V	1	
	C16856	ECJ1VB1A105K	C 1UF, 10V	1	
	C16858	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16859	F1J1H104A717	C 0.1UF, 50V	1	
	C16860	ECJ1VB1A105K	C 1UF, 10V	1	
	C16861	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C16862	ECJ1VB1A105K	C 1UF, 10V	1	
	C16863	F1J1H104A717	C 0.1UF, 50V	1	
	C16865	F1H1C105A145	C 1 uF 16 V	1	
	C16891	F1K1E105A029	C 1UF, 25V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C16902	F1E2J472A001	C 4700PF, 630V	1	
	C16903	F1E2J152A002	C 1500PF, 630V	1	
	C16907	F1E2J221A002	C 220PF, 630V	1	
	C16910	F1E2J821A002	C 820PF, 630V	1	
	C16912	F1E2J821A002	C 820PF, 630V	1	
	C17101	ECJ1VB1A105K	C 1UF, 10V	1	
	C17102	ECJ1VB1A105K	C 1UF, 10V	1	
	C17103	ECJ1VB1A105K	C 1UF, 10V	1	
	C17109	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17110	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17112	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17114	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17115	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17116	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17117	ECJ1XC1H102J	C 1000PF, J, 50V	1	
	C17201	ECJ1VB1A105K	C 1UF, 10V	1	
	C17202	ECJ1VB1A105K	C 1UF, 10V	1	
	C17203	ECJ1VB1A105K	C 1UF, 10V	1	
	C17204	ECJ1VB1A105K	C 1UF, 10V	1	
	C17205	ECJ1VB1A105K	C 1UF, 10V	1	
	C17206	ECJ1VB1A105K	C 1UF, 10V	1	
	C17207	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C17208	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C17223	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17224	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17228	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17229	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17231	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17233	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17301	ECJ1VB1A105K	C 1UF, 10V	1	
	C17302	ECJ1VB1A105K	C 1UF, 10V	1	
	C17303	ECJ1VB1A105K	C 1UF, 10V	1	
	C17304	ECJ1VB1A105K	C 1UF, 10V	1	
	C17305	ECJ1VB1A105K	C 1UF, 10V	1	
	C17306	ECJ1VB1A105K	C 1UF, 10V	1	
	C17307	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C17308	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C17328	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17330	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17332	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17333	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17336	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	C17337	F1K2A224A033	C 0.22UF, 100V	1	PAVCA
	CB1	K1MY55B00002	55P CONNECTOR	1	
	CB2	K1MY55B00002	55P CONNECTOR	1	
	CB3	K1MY55B00002	55P CONNECTOR	1	
	CB4	K1MY55B00002	55P CONNECTOR	1	
	CB5	K1MY55B00002	55P CONNECTOR	1	
	CB6	K1MY55B00002	55P CONNECTOR	1	
	CB7	K1MY55B00002	55P CONNECTOR	1	
	CB8	K1MY55B00002	55P CONNECTOR	1	
	CB9	K1MY55B00002	55P CONNECTOR	1	
	CB10	K1MY55B00002	55P CONNECTOR	1	
	CB11	K1MY55B00002	55P CONNECTOR	1	
	CB12	K1MY55B00002	55P CONNECTOR	1	
	CB13	K1MY55B00002	55P CONNECTOR	1	
	CB14	K1MY55B00002	55P CONNECTOR	1	
	CB15	K1MY55B00002	55P CONNECTOR	1	
	D2820	B3AAB0000343	LED	1	
	D2850	B3EB00000056	LED	1	PAVCA

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D2851	B3EB00000056	LED	1	PAVCA
	D2852	B3EB00000056	LED	1	PAVCA
	D2853	B3EB00000056	LED	1	PAVCA
	D3050	K7AAAY000006	PHOTO LINK	1	
	D4500	B0JCCD000020	DIODE	1	PAVCA
	D4671	DZ2J056M0L	ZENER DIODE	1	
	D4672	DZ2J056M0L	ZENER DIODE	1	
	D4673	DZ2J056M0L	ZENER DIODE	1	
	D5350	B0JCPE000038	DIODE	1	
	D5613	DA2J10100L	DIODE	1	
	D5614	DA2J10100L	DIODE	1	
	D5615	DA2J10100L	DIODE	1	
	D5616	B0JCCE000008	DIODE	1	
	D5617	B0JCCE000008	DIODE	1	
	D5900	B0JCMD000066	ZENER DIODE	1	
	D8716	DA2J10100L	DIODE	1	
	D8719	DZ2J068M0L	ZENER DIODE	1	
	D8720	B0JCMD000066	ZENER DIODE	1	
	D8725	B0ADCJ000100	DIODE	1	
	D8726	DZ2J068M0L	ZENER DIODE	1	
	D9806	B0ADCK000001	DIODE	1	PAVCA
	D16001	B0ECLP000010	DIODE	1	PAVCA
	D16002	B0ECLP000010	DIODE	1	PAVCA
	D16021	B0ECLP000010	DIODE	1	PAVCA
	D16022	DA3CF30ACL	ZENER DIODE	1	PAVCA
	D16041	B0FCCN000003	DIODE	1	
	D16051	B0FCCN000003	DIODE	1	
	D16071	B0ECLP000010	DIODE	1	PAVCA
	D16072	B0ECKP000055	DIODE	1	
	D16073	B0ECKP000055	DIODE	1	
	D16131	B0ECKP000055	DIODE	1	
	D16133	B0ACCJ000048	DIODE	1	
	D16134	DZ2J051M0L	ZENER DIODE	1	
	D16191	B0ECKP000055	DIODE	1	
	D16192	B0ACCJ000048	DIODE	1	
	D16193	DZ2J051M0L	ZENER DIODE	1	
	D16243	B0ADCJ000100	DIODE	1	
	D16251	DZ2J330M0L	ZENER DIODE	1	
	D16252	DZ2J330M0L	ZENER DIODE	1	
	D16253	DZ2J051M0L	ZENER DIODE	1	
	D16254	B3ABB0000210	LED	1	
	D16255	B0ADCJ000100	DIODE	1	
	D16282	DZ2J068M0L	ZENER DIODE	1	
	D16285	B0ADEJ000035	ZENER DIODE	1	
	D16286	B0ACCJ000048	DIODE	1	
	D16315	DZ2J150M0L	ZENER DIODE	1	
	D16316	B0ECKP000055	DIODE	1	
	D16317	B0ECKP000055	DIODE	1	
	D16401	B0FCCN000003	DIODE	1	
	D16407	B0JCME000093	DIODE	1	
	D16411	B0ADCJ000100	DIODE	1	
	D16413	B0ACCJ000048	DIODE	1	
	D16421	B0FCBN000001	DIODE	1	PAVCA
	D16430	B0ECKP000055	DIODE	1	
	D16432	B0ECKP000055	DIODE	1	
	D16433	B0ECKP000055	DIODE	1	
	D16461	B0FCCN000003	DIODE	1	
	D16473	B0ACCJ000048	DIODE	1	
	D16474	B0ACCJ000048	DIODE	1	
	D16475	DZ2J051M0L	ZENER DIODE	1	
	D16476	B0ACCJ000048	DIODE	1	
	D16481	B0FCCN000003	DIODE	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D16491	B0ACCJ000048	DIODE	1	
	D16492	DZ2J047M0L	ZENER DIODE	1	
	D16493	B0ADCJ000100	DIODE	1	
	D16506	DZ2J051M0L	ZENER DIODE	1	
	D16534	DZ2J051M0L	ZENER DIODE	1	
	D16536	B0ECKP000055	DIODE	1	
	D16537	B0ADCJ000100	DIODE	1	
	D16538	B0ADCJ000100	DIODE	1	
	D16581	DZ2J330M0L	ZENER DIODE	1	
	D16582	DZ2J330M0L	ZENER DIODE	1	
	D16583	B3ABB0000210	LED	1	
	D16602	DZ2J043M0L	ZENER DIODE	1	
	D16603	B0ACCJ000048	DIODE	1	
	D16604	B0ADCJ000100	DIODE	1	
	D16605	B0ACCJ000048	DIODE	1	
	D16607	B0ACCJ000048	DIODE	1	
	D16608	B0ECKP000055	DIODE	1	
	D16609	B0ECKP000055	DIODE	1	
	D16618	B0ECKP000055	DIODE	1	
	D16642	B0FCCN000004	DIODE	1	PAVCA
	D16643	B0FCCN000004	DIODE	1	PAVCA
	D16645	DZ2J150M0L	ZENER DIODE	1	
	D16646	DZ2J150M0L	ZENER DIODE	1	
	D16647	DZ2J150M0L	ZENER DIODE	1	
	D16648	DZ2J043M0L	ZENER DIODE	1	
	D16651	DZ2J051M0L	ZENER DIODE	1	
	D16652	B0ECKP000055	DIODE	1	
	D16662	DZ2J150M0L	ZENER DIODE	1	
	D16663	DZ2J150M0L	ZENER DIODE	1	
	D16664	DZ2J150M0L	ZENER DIODE	1	
	D16669	B0ACCJ000048	DIODE	1	
	D16673	B0ECHR000004	DIODE	1	PAVCA
	D16674	B0ECHR000004	DIODE	1	PAVCA
	D16685	B0ACCJ000048	DIODE	1	
	D16710	DZ2J15000L	ZENER DIODE	1	
	D16711	B0ECHR000004	DIODE	1	PAVCA
	D16712	B0ECHR000004	DIODE	1	PAVCA
	D16713	B0ECHS000002	DIODE	1	PAVCA
	D16714	B0ECHS000002	DIODE	1	PAVCA
	D16720	B0ECHR000004	DIODE	1	PAVCA
	D16728	B0ECKP000055	DIODE	1	
	D16791	DZ2J240M0L	ZENER DIODE	1	
	D16792	B0ACCJ000048	DIODE	1	
	D16795	B0ACCJ000048	DIODE	1	
	D16822	B0ACCJ000048	DIODE	1	
	D16823	B0ADCJ000100	DIODE	1	
	D16824	B0ACCJ000048	DIODE	1	
	D16825	DZ2J330M0L	ZENER DIODE	1	
	D16833	B0ECHR000004	DIODE	1	PAVCA
	D17101	B0ACCJ000048	DIODE	1	
	D17102	B0ACCJ000048	DIODE	1	
	D17103	B0JCCD000020	DIODE	1	PAVCA
	D17301	B0ACCJ000048	DIODE	1	
	D17302	B0ACCJ000048	DIODE	1	
	D17303	B0JCCD000020	DIODE	1	PAVCA
	FL1051	J0HAAB000036	LC FILTER	1	
	FL1053	J0HAAB000036	LC FILTER	1	
	FL1054	J0HAAB000036	LC FILTER	1	
	FL1055	J0HAAB000036	LC FILTER	1	
	IC3001	C1AB00003385	IC	1	PAVCA

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	IC3753	C1ZBZ0004368	IC	1	PAVCA
	IC3900	MFI341S2164	IC	1	
	IC4900	C1AB00003457	IC	1	PAVCA
	IC5000	AN34044A-VF	IC	1	PAVCA
	IC5251	C0CBCBC00227	IC	1	
	IC5350	C0DBAYY01058	IC	1	PAVCA
	IC5606	C0EBY0000580	IC	1	
	IC5900	C0DBAYY00931	IC	1	PAVCA
	IC5901	C1ZBZ0004339	IC	1	PAVCA
	IC8000	MN2WS0200LD	IC	1	PAVCA
	IC8100	C0DBAYY00715	IC	1	
	IC8200	C3ABUY000009	IC	1	PAVCA
	IC8201	C3ABTY000026	IC	1	
	IC8531	C0DBZYY00368	IC	1	
	IC8532	C0DBZYY00368	IC	1	
	IC8601	C1CB00003491	IC	1	
	IC8701	C0DBAYY00931	IC	1	PAVCA
	IC8702	C0DBAFG00029	IC	1	PAVCA
	IC8706	C0DBGYY00887	IC	1	
	IC8900	TVRS035ABS	IC	1	PAVCA
	IC8901	TVRS058S	IC	1	PAVCA
	IC8902	TVRS038S	IC	1	PAVCA
	IC9300	C1AB00003461	IC	1	PAVCA
	IC9304	TVRS063AES	IC	1	PAVCA
	IC9400	C0JBAU000089	IC	1	PAVCA
	IC9401	C0JBAU000089	IC	1	PAVCA
	IC9402	C0JBAU000089	IC	1	PAVCA
	IC9820	C0CBCAG00046	IC	1	
	IC9860	C0DBAYY00715	IC	1	
	IC16131	C0ZBZ0001822	IC	1	PAVCA
	IC16132	C0ZBZ0001822	IC	1	PAVCA
	IC16151	C0ZBZ0001822	IC	1	PAVCA
	IC16152	C0ZBZ0001822	IC	1	PAVCA
	IC16191	C0ZBZ0001822	IC	1	PAVCA
	IC16241	C0JBAU000088	IC	1	
	IC16243	C0JBAB000715	IC	1	
	IC16244	C0JBAA000558	IC	1	PAVCA
	IC16304	MIP3910MSSCF	IC	1	
	IC16312	C0DBZMC00006	IC	1	
	IC16471	C0DBEYY00114	IC	1	
	IC16490	C0DBZMC00006	IC	1	
	IC16491	C0BBAA000008	LINEAR IC	1	
	IC16501	C0ZBZ0001822	IC	1	PAVCA
	IC16502	C0ZBZ0001822	IC	1	PAVCA
	IC16521	C0ZBZ0001822	IC	1	PAVCA
	IC16522	C0ZBZ0001822	IC	1	PAVCA
	IC16561	C0JBAU000088	IC	1	
	IC16562	C0JBAU000088	IC	1	
	IC16563	C0JBAB000996	IC	1	PAVCA
	IC16564	C0JBAE000321	IC	1	
	IC16565	C0JBAE000321	IC	1	
	IC16684	C0ZBZ0001822	IC	1	PAVCA
	IC16691	C0JBAC000509	IC	1	PAVCA
	IC16724	C0CBADE00049	IC	1	
	IC16784	MIP3910MSSCF	IC	1	
	IC16785	C0DBZYY00352	IC	1	
	IC16786	MIP3910MSSCF	IC	1	
	IC16787	C0DBZYY00352	IC	1	
	IC16792	C0BBAA000008	LINEAR IC	1	
	IC16793	C0DBZMC00006	IC	1	
	IC16795	C0CBALC00012	IC	1	
	IC16921	C1ZBZ0004292	IC	1	PAVCA

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	IC17201	C0JBAU000088	IC	1	
	IC17202	C0JBAU000088	IC	1	
	IC17301	C0JBAU000088	IC	1	
	IC17302	C0JBAU000089	IC	1	PAVCA
	JK3000	K1U816A00007	CONNECTOR UNIT	1	PAVCA
	JK4600	K1FY119D0017	CONNECTOR	1	PAVCA
	JK4601	K1FY119D0017	CONNECTOR	1	PAVCA
	JK4602	K1FY119E0030	CONNECTOR	1	PAVCA
	JK8532	K1FY104B0065	CONNECTOR	1	PAVCA
	JK8533	K1FY104B0065	CONNECTOR	1	PAVCA
	JK8650	K1NA12E00016	12P CONNECTOR	1	
	JK8702	K2LC108A0012	JACK	1	PAVCA
	JS0002	D0GBR00J0004	M 0 OHM J 1/10W	1	
	JS1050	D0GAR00J0005	M 0 OHM, 1/16W	1	
	JS1053	D0GDR00J0004	M 0 OHM, 1/4W	1	
	K1	K1KA10B00218	10P CONNECTOR	1	
	L4500	J0JHC0000117	CHIP INDUCTOR	1	
	L4501	J0JYC0000068	CHIP INDUCTOR	1	
	L4502	J0JYC0000068	CHIP INDUCTOR	1	
	L4503	J0JYC0000068	CHIP INDUCTOR	1	
	L4504	J0JHC0000117	CHIP INDUCTOR	1	
	L4505	J0JYC0000068	CHIP INDUCTOR	1	
	L4506	J0JYC0000068	CHIP INDUCTOR	1	
	L4507	J0JYC0000068	CHIP INDUCTOR	1	
	L4508	J0JHC0000117	CHIP INDUCTOR	1	
	L4509	J0JYC0000068	CHIP INDUCTOR	1	
	L4510	J0JYC0000068	CHIP INDUCTOR	1	
	L4511	J0JYC0000068	CHIP INDUCTOR	1	
	L4801	J0JGC0000020	CHIP INDUCTOR	1	
	L4802	J0JGC0000020	CHIP INDUCTOR	1	
	L4803	G1CR39J00009	INDUCTION COIL	1	
	L4804	G1CR39J00009	INDUCTION COIL	1	
	L4900	G1C150MA0426	INDUCTION COIL	1	PAVCA
	L4901	G1C150MA0426	INDUCTION COIL	1	PAVCA
	L4902	G1C150MA0426	INDUCTION COIL	1	PAVCA
	L4903	G1C150MA0426	INDUCTION COIL	1	PAVCA
	L5350	G1C4R7MA0445	INDUCTION COIL	1	PAVCA
	L5900	G1C2R2MA0449	INDUCTION COIL	1	PAVCA
	L8001	J0JCC0000287	CHIP INDUCTOR	1	
	L8002	J0JHC0000045	CHIP INDUCTOR	1	
	L8003	J0JHC0000045	CHIP INDUCTOR	1	
	L8004	J0JHC0000045	CHIP INDUCTOR	1	
	L8005	J0JKC0000021	CHIP INDUCTOR	1	
	L8006	J0JCC0000287	CHIP INDUCTOR	1	
	L8007	J0JCC0000287	CHIP INDUCTOR	1	
	L8100	G1C4R7MA0416	INDUCTION COIL	1	
	L8102	G1C3R3MA0460	INDUCTION COIL	1	PAVCA
	L8531	J0JHC0000045	CHIP INDUCTOR	1	
	L8532	J0JHC0000045	CHIP INDUCTOR	1	
	L8600	J0JHC0000045	CHIP INDUCTOR	1	
	L8609	J0JHC0000045	CHIP INDUCTOR	1	
	L8701	G1C6R8MA0445	INDUCTION COIL	1	PAVCA
	L9303	J0JHC0000117	CHIP INDUCTOR	1	
	L9860	G1C2R2MA0449	INDUCTION COIL	1	PAVCA
	L9861	G1C6R8MA0445	INDUCTION COIL	1	PAVCA
	L16001	G0CR37KA0216	INDUCTION COIL	1	PAVCA
	L16303	G0C471MA0049	INDUCTION COIL	1	
	L16411	G0CR32KA0216	INDUCTION COIL	1	PAVCA

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	PA5440	K5H5022A0031	FUSE	1	
	PA5601	K5H5022A0031	FUSE	1	
	PA5900	K5H1022A0031	FUSE	1	
	PC16131	B3PBE0000058	IC	1	PAVCA
	PC16191	B3PBE0000060	IC	1	PAVCA
	PC16251	B3PBA0000580	IC	1	PAVCA
	PC16301	B3PBA0000580	IC	1	PAVCA
	PC16461	B3PBE0000058	IC	1	PAVCA
	PC16462	B3PBE0000060	IC	1	PAVCA
	PC16480	B3PBA0000580	IC	1	PAVCA
	PC16581	B3PBA0000580	IC	1	PAVCA
	PC16603	B3PBA0000580	IC	1	PAVCA
	PC16685	B3PBA0000496	IC	1	
	PC16723	B3PBA0000580	IC	1	PAVCA
	PC16896	B3PBA0000580	IC	1	PAVCA
	PC16897	B3PBA0000580	IC	1	PAVCA
	Q2810	DSC200100L	TRANSISTOR	1	
	Q2812	DSC200100L	TRANSISTOR	1	
	Q4500	B1HFCFA00026	TRANSISTOR	1	
	Q4501	B1ADCE000022	TRANSISTOR	1	
	Q4502	B1ABCF000231	TRANSISTOR	1	
	Q4503	B1ABCF000231	TRANSISTOR	1	
	Q4504	B1ABCF000231	TRANSISTOR	1	
	Q4930	DSA200100L	TRANSISTOR	1	
	Q4971	B1ABCE000015	TRANSISTOR	1	
	Q5684	B1ADCE000022	TRANSISTOR	1	
	Q8100	B1CFRD000077	FET	1	PAVCA
	Q8101	B1CFRD000077	FET	1	PAVCA
	Q8102	B1MBEDA00027	FET	1	PAVCA
	Q8709	DSA200100L	TRANSISTOR	1	
	Q8711	DSC2001S0L	TRANSISTOR	1	
	Q8900	DSA200100L	TRANSISTOR	1	
	Q9860	B1MBEDA00027	FET	1	PAVCA
	Q9861	B1MBEDA00027	FET	1	PAVCA
	Q16001	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16002	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16021	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16022	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16041	DG3C3020CL	TRANSISTOR	1	PAVCA
	Q16051	DG3C3020CL	TRANSISTOR	1	PAVCA
	Q16055	B1HFPFA00001	TRANSISTOR	1	
	Q16056	B1HFPFA00001	TRANSISTOR	1	
	Q16101	B1CFRM000015	FET	1	
	Q16102	B1CFRM000023	FET	1	PAVCA
	Q16141	B1HFPFA00001	TRANSISTOR	1	
	Q16161	B1HFPFA00001	TRANSISTOR	1	
	Q16251	B1ABCF000231	TRANSISTOR	1	
	Q16280	B1ABCE000015	TRANSISTOR	1	
	Q16402	B1JBDN000004	TRANSISTOR	1	PAVCA
	Q16403	B1JBDN000004	TRANSISTOR	1	PAVCA
	Q16422	B1JBDN000004	TRANSISTOR	1	PAVCA
	Q16423	B1JBDN000004	TRANSISTOR	1	PAVCA
	Q16441	DG3C3020CL	TRANSISTOR	1	PAVCA
	Q16451	DG3C3020CL	TRANSISTOR	1	PAVCA
	Q16471	B1ABCE000015	TRANSISTOR	1	
	Q16501	B1HFPFA00001	TRANSISTOR	1	
	Q16521	B1HFPFA00001	TRANSISTOR	1	
	Q16531	B1HFPFA00001	TRANSISTOR	1	
	Q16538	B1CBGD000001	FET	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	Q16551	B1HFPFA00001	TRANSISTOR	1	
	Q16581	B1ABCF000231	TRANSISTOR	1	
	Q16600	B1CFRM000020	FET	1	PAVCA
	Q16601	B1CFRQ000021	FET	1	PAVCA
	Q16602	DSA2001S0L	TRANSISTOR	1	
	Q16606	DSC2001S0L	TRANSISTOR	1	
	Q16607	B1CBGD000001	FET	1	
	Q16622	B1JBDN000004	TRANSISTOR	1	PAVCA
	Q16623	B1JBDN000004	TRANSISTOR	1	PAVCA
	Q16646	DSA2001S0L	TRANSISTOR	1	
	Q16647	B1CBGD000001	FET	1	
	Q16660	B1CFRQ000021	FET	1	PAVCA
	Q16661	B1JBER000002	TRANSISTOR	1	PAVCA
	Q16762	B1HFPFA00001	TRANSISTOR	1	
	Q16815	B1ABCN000007	TRANSISTOR	1	
	Q16817	DSC2001Q0L	TRANSISTOR	1	
	Q16818	B1CBGD000001	FET	1	
	Q16819	B1CBGD000001	FET	1	
	Q16820	B1CBGD000001	FET	1	
	Q16891	DSA2001S0L	TRANSISTOR	1	
	Q16892	DSC2001Q0L	TRANSISTOR	1	
	Q16921	B1CBGD000001	FET	1	
	Q16922	B1CBGD000001	FET	1	
	Q16931	B1ABCN000007	TRANSISTOR	1	
	Q17101	B1ABCN000007	TRANSISTOR	1	
	Q17301	B1ABCN000007	TRANSISTOR	1	
	R1010	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R1011	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R1013	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R1014	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R1015	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R1050	D0GA154JA023	M 150KOHM J 1/16W	1	
	R1100	D0GA122JA023	M 1.2KOHM, J,1/16W	1	
	R1101	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R1102	D0GA683JA023	M 68KOHM, J,1/16W	1	
	R1115	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R1117	D1BA7151A014	M7.15KOHM,J.1/16 W	1	
	R1118	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R2810	D0GB470JA065	M 47 OHM,J,1/10W	1	
	R2811	D0GB104JA065	M 100KOHM J 1/10W	1	
	R2812	D0GB224JA065	M 220KOHM,J,1/10W	1	PAVCA
	R2813	D0GB223JA065	M 22KOHM,J,1/10W	1	PAVCA
	R2817	D0GB562JA065	M 5.6KOHM,J,1/10W	1	PAVCA
	R2818	D0GB223JA065	M 22KOHM,J,1/10W	1	PAVCA
	R2821	D0GB222JA065	M 2.2KOHM,J,1/10W	1	
	R2858	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R3020	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R3021	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R3022	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R3023	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3024	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3027	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3028	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3030	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R3051	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3052	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R3056	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R3058	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R3174	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R3189	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3192	D0GB393JA065	M 39K OHM J 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R3193	D0GB393JA065	M 39K OHM J 1/10W	1	
	R3194	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3198	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3202	D0GB393JA065	M 39K OHM J 1/10W	1	
	R3204	D0GB393JA065	M 39K OHM J 1/10W	1	
	R3209	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3750	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4512	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R4513	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R4514	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R4515	D0GA151JA023	M 150 OHM, J,1/16W	1	
	R4516	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R4517	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4524	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4555	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4556	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4560	D0GA273JA023	M 27K OHM J ,1/16W	1	
	R4602	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4608	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4609	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4611	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4612	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4615	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4621	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4622	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4624	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4625	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4631	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4635	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4637	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4638	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4639	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4646	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4647	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4648	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4649	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4650	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4651	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R4691	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4692	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4693	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4802	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4804	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4805	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4806	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4824	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4825	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4901	EXB28V220J	M 22 OHM 1/32 W	1	
	R4903	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4904	D0GDR00J0004	M 0 OHM, 1/4W	1	
	R4906	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R4908	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4909	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4910	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R4911	D0GDR00J0004	M 0 OHM, 1/4W	1	
	R4930	D0GA392JA023	M 3.9KOHM, J,1/16W	1	
	R4931	D0GB221JA065	M 220 OHM J 1/10W	1	
	R4932	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R4933	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R4941	D1BB1403A055	M 140KOHM,J.1/10W	1	
	R4942	D1BB1403A055	M 140KOHM,J.1/10W	1	
	R4971	D0GA103JA015	M 10KOHM,J,1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R4972	D0GA223JA023	M 22K OHM J 1/16W	1	
	R4973	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4975	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R5000	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R5009	D0GA103JA015	M 10KOHM,J,1/16W	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	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R5018	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R5019	D0GA223JA023	M 22K OHM J 1/16W	1	
	R5350	D1BB5101A055	M 5.1KOHM,J.1/10W	1	
	R5351	D1BB1001A055	M 1KOHM,J. 1/10W	1	
	R5352	D0GD4R7JA059	M 4.7 OHM,J,1/4W	1	
	R5353	D0GB332JA065	M 3.3KOHM,J,1/10W	1	
	R5601	D0GA683JA023	M 68KOHM, J,1/16W	1	
	R5602	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R5604	D0GA105JA023	M 1M OHM, J,1/16W	1	
	R5605	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R5606	D0GA471JA023	M 470OHM, J,1/16W	1	
	R5648	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R5650	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R5662	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R5663	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R5667	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R5683	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R5709	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R5900	D0GB390JA065	M 39 OHM,J,1/10W	1	PAVCA
	R5901	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R5902	D1BB5362A055	M53.6KOHM,J.1/10W	1	PAVCA
	R5904	D1BB3002A055	M 30KOHM,J.1/10W	1	
	R5906	D1BA4642A014	M46.4KOHM,J.1/16 W	1	PAVCA
	R5907	D0GB363JA065	M 36K OHM J 1/10W	1	PAVCA
	R5910	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5911	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5912	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5913	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R5916	D0GA683JA023	M 68KOHM, J,1/16W	1	
	R6875	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8008	D0GA331JA023	M 330 OHM, J,1/16W	1	
	R8100	D1BB1271A087	M1.27KOHM,J.1/16W	1	PAVCA
	R8102	D1BB2101A087	M 2.1KOHM,J.1/10W	1	
	R8104	D1BB8200A087	M 820 OHM,J.1/10W	1	
	R8106	D1BB2001A087	M 2KOHM,J.1/10W	1	
	R8108	D0GB100JA065	M 10 OHM J 1/10W	1	
	R8110	D0GB100JA065	M 10 OHM J 1/10W	1	
	R8114	D0GA303JA023	M 30K OHM J 0.063W	1	PAVCA
	R8118	D0GA183JA023	M 18K OHM J.1/16W	1	
	R8200	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8201	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8202	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8203	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8204	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8205	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8206	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8207	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8208	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8209	D0GA111JA023	M 110 OHM, J.1/16W	1	
	R8210	D0GA111JA023	M 110 OHM, J.1/16W	1	
	R8211	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8212	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8213	D0GA103JA015	M 10KOHM,J,1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R8214	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8215	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8216	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8217	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8218	EXB28V220J	M 22 OHM 1/32 W	1	
	R8219	EXB28V220J	M 22 OHM 1/32 W	1	
	R8220	EXB28V220J	M 22 OHM 1/32 W	1	
	R8221	EXB28V220J	M 22 OHM 1/32 W	1	
	R8222	EXB28V220J	M 22 OHM 1/32 W	1	
	R8223	EXB28V220J	M 22 OHM 1/32 W	1	
	R8224	EXB28V220J	M 22 OHM 1/32 W	1	
	R8225	EXB28V220J	M 22 OHM 1/32 W	1	
	R8226	EXB28V220J	M 22 OHM 1/32 W	1	
	R8227	EXB28V220J	M 22 OHM 1/32 W	1	
	R8228	EXB28V220J	M 22 OHM 1/32 W	1	
	R8229	EXB28V220J	M 22 OHM 1/32 W	1	
	R8230	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8231	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8232	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8301	D0GA471JA023	M 470OHM, J,1/16W	1	
	R8302	D0GA360JA023	M 36 OHM, J,1/16W	1	PAVCA
	R8303	D0GA360JA023	M 36 OHM, J,1/16W	1	PAVCA
	R8304	D1BA6201A014	M 6.2KOHM,J.1/16 W	1	
	R8305	D1BA6201A014	M 6.2KOHM,J.1/16 W	1	
	R8307	D1BA6201A014	M 6.2KOHM,J.1/16 W	1	
	R8381	D1BA75R0A014	M 75 OHM,J.1/16 W	1	
	R8382	D1BA75R0A014	M 75 OHM,J.1/16 W	1	
	R8383	D1BA75R0A014	M 75 OHM,J.1/16 W	1	
	R8384	D1BA75R0A014	M 75 OHM,J.1/16 W	1	
	R8439	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8440	D0GA680JA023	M 68 OHM, J,1/16W	1	
	R8531	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8532	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8533	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8534	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8535	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8536	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8541	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8542	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8550	EXB28VR000X	M 0 OHM 1/32 W	1	
	R8551	EXB28VR000X	M 0 OHM 1/32 W	1	
	R8552	EXB28VR000X	M 0 OHM 1/32 W	1	
	R8553	EXB28VR000X	M 0 OHM 1/32 W	1	
	R8606	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8607	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8608	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8609	D1BA6491A014	M6.49KOHM,J.1/16 W	1	
	R8610	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R8615	D0GA105JA023	M 1M OHM, J,1/16W	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	D1HG1038A002	NETWORK RESISTER	1	
	R8632	EXB28V560JX	M 56 OHM 1/32 W	1	
	R8634	EXB28V560JX	M 56 OHM 1/32 W	1	
	R8636	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8639	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8640	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8641	D0GBR00J0004	M 0 OHM J 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R8648	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8649	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8652	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8653	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8654	EXB28V560JX	M 56 OHM 1/32 W	1	
	R8655	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8656	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8657	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8658	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8659	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8660	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8665	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8704	D1BB5362A055	M53.6KOHM,J.1/10W	1	PAVCA
	R8705	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R8706	D0GA390JA023	M 39 OHM, J,1/16W	1	
	R8707	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R8751	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R8752	D0GA332JA023	M 3.3KOHM, J,1/16W	1	
	R8753	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8754	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8755	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R8760	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R8761	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8772	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8773	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8804	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R8811	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8816	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8818	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8819	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8821	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R8824	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8831	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8835	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8846	D0GA273JA023	M 27K OHM J ,1/16W	1	
	R8847	D0GA243JA023	M 24K OHM J 0.063W	1	
	R8853	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8855	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8856	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8858	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R8909	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R8910	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8925	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8926	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8927	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8928	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8929	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8930	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8931	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8932	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8933	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8934	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8935	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8936	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8937	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R8938	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8939	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8940	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R8942	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8944	EXB28V560JX	M 56 OHM 1/32 W	1	
	R8950	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R8953	D0GA272JA023	M 2.7KOHM, J.1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R8954	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8955	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8956	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8957	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8958	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8959	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8960	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	R8961	EXB28V332J	M 3.3 KOHM 1/32 W	1	
	R8967	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8968	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R8969	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8970	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8972	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8973	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8974	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8975	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R9035	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R9051	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R9105	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R9109	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R9198	EXB28V101JX	M 100 OHM 1/32 W	1	
	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	PAVCA
	R9208	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9209	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9224	D0GA470JA023	M 47 OHM, J,1/16W	1	
	R9226	D0GA470JA023	M 47 OHM, J,1/16W	1	
	R9247	D0GA470JA023	M 47 OHM, J,1/16W	1	
	R9320	D0GA182JA023	M 1.8K OHM J.1/16W	1	
	R9321	D0GA105JA023	M 1M OHM, J,1/16W	1	
	R9324	D0GB122JA065	M 1.2KOHM J 1/10W	1	PAVCA
	R9325	D0GB122JA065	M 1.2KOHM J 1/10W	1	PAVCA
	R9326	D0GB122JA065	M 1.2KOHM J 1/10W	1	PAVCA
	R9327	D0GB122JA065	M 1.2KOHM J 1/10W	1	PAVCA
	R9329	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R9330	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R9400	EXB2HV103JV	M 10 kOHM 1/16 W	1	
	R9401	EXB2HV103JV	M 10 kOHM 1/16 W	1	
	R9402	EXB28V103JX	M 10KOHM 1/32 W	1	
	R9608	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9609	EXB28V470JX	M 47 OHM 1/32 W	1	
	R9610	EXB28V470JX	M 47 OHM 1/32 W	1	
	R9611	EXB28V470JX	M 47 OHM 1/32 W	1	
	R9860	D1BB1101A055	M 1.1 KOHM,J.1/10W	1	
	R9861	D1BB1911A074	M1.91 KOHM,J.1/10W	1	PAVCA
	R9862	D1BB3601A055	M 3.6KOHM,J.1/10W	1	
	R9863	D1BB8200A087	M 820 OHM,J.1/10W	1	
	R9864	D0GB100JA065	M 10 OHM J 1/10W	1	
	R9865	D0GB100JA065	M 10 OHM J 1/10W	1	
	R9866	D0GA153JA023	M 15K OHM J 1/16W	1	
	R9867	D0GA273JA023	M 27K OHM J ,1/16W	1	
	R9907	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R9908	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R16001	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16002	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16021	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16022	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16031	D0GF473JA048	M 47KOHM,J,1/3W	1	PAVCA
	R16032	D0GF473JA048	M 47KOHM,J,1/3W	1	PAVCA
	R16041	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16051	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16101	D0GD150JA059	M 15 OHM,J,1/4W	1	
	R16102	D0GD150JA059	M 15 OHM,J,1/4W	1	
	R16105	D0GF474JA048	M 470KOHM,J,1/3W	1	PAVCA
	R16116	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16130	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16131	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16132	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R16133	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16134	D0GD750JA059	M 75 OHM,J,1/4W	1	
	R16135	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	PAVCA
	R16137	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R16138	D0GF561JA047	M 560 OHM,J, 1/3W	1	PAVCA
	R16141	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16143	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16151	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16152	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16153	D0GB331JA065	M330 OHM J 1/10W	1	PAVCA
	R16154	D0GD750JA059	M 75 OHM,J,1/4W	1	
	R16155	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	PAVCA
	R16161	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16163	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16171	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16173	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16181	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16183	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16191	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16192	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16193	D0GD750JA052	M 75 OHM,J,1/4W	1	PAVCA
	R16195	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16196	D0GF102JA048	M 1.0 KOHM,J,1/3W	1	PAVCA
	R16197	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16230	D0GD470JA052	M 47 OHM,J,1/8W	1	PAVCA
	R16231	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16241	EXB38V470J	M 47 OHM 1/16 W	1	
	R16242	EXB38V472JV	M 4.7 kOHM 1/16 W	1	
	R16243	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16244	D0GB273JA065	M 27K OHM J 1/10W	1	PAVCA
	R16245	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16246	D0GD222JA052	M 2.2KOHM,J,1/4W	1	PAVCA
	R16252	D0GF563JA048	M 56 KOHM,J,1/3W	1	PAVCA
	R16253	D1BD1003A044	M 100KOHM,J.1/8 W	1	
	R16254	D1BD4422A044	M44.2KOHM,F.1/8W	1	PAVCA
	R16255	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16257	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16281	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16282	D0GD221JA052	M 220 OHM,J 1/4W	1	PAVCA
	R16283	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16284	D0GB224JA065	M 220KOHM,J,1/10W	1	PAVCA
	R16285	EXB38V623J	M 62 kOHM 1/16 W	1	
	R16288	D0GF334JA047	M 330KOHMJ,1/3W	1	
	R16289	D0GF334JA047	M 330KOHMJ,1/3W	1	
	R16290	D0GF334JA047	M 330KOHMJ,1/3W	1	
	R16307	D1BD5232A077	M52.3KOHM,D.1/10W	1	PAVCA
	R16309	ERG2FJS563D	M 56KOHM, J, 2W	1	
	R16310	ERG2FJS563D	M 56KOHM, J, 2W	1	
	R16311	ERG2FJS563D	M 56KOHM, J, 2W	1	
	R16317	D1BD5762A077	M57.6KOHM,D.1/10W	1	PAVCA
	R16318	D1BD5762A077	M57.6KOHM,D.1/10W	1	PAVCA
	R16319	D1BD2491A077	M 2.49KOHM,D.1/10W	1	PAVCA
	R16320	ERJ14YJ683	M 68KOHM, J. 1/4W	1	
	R16330	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16332	D0GB474JA065	M 470KOHM,J,1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16334	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16335	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16402	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16403	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16411	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16412	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16414	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16416	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16422	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16423	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16441	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16451	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16466	D0GF473JA048	M 47KOHM,J,1/3W	1	PAVCA
	R16467	D0GF473JA048	M 47KOHM,J,1/3W	1	PAVCA
	R16471	D0GB392JA065	M 3.9KOHM,J,1/10W	1	PAVCA
	R16472	D0GB222JA065	M 2.2KOHM,J,1/10W	1	
	R16473	D0GD561JA052	M 560 OHM,J,1/4W	1	PAVCA
	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	
	R16478	D0GB562JA065	M 5.6KOHM,J,1/10W	1	PAVCA
	R16479	D0GD103JA052	M 10KOHM,J,1/4W	1	PAVCA
	R16490	D1BD1203A077	M 120KOHM,D.1/10W	1	PAVCA
	R16491	D1BD1203A077	M 120KOHM,D.1/10W	1	PAVCA
	R16492	D1BD1203A077	M 120KOHM,D.1/10W	1	PAVCA
	R16493	D1BD5111A077	M5.11KOHM.J.1/8 W	1	PAVCA
	R16494	D1BB2001A055	M 2KOHM,J.1/10W	1	
	R16497	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16498	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16501	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16503	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16505	D0GF102JA048	M 1.0 KOHM,J,1/3W	1	PAVCA
	R16506	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16507	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16508	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16512	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16515	D0D52R2KA005	M 2.2 OHM,J,5W	1	PAVCA
	R16517	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16522	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R16525	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	PAVCA
	R16526	D0GB4R7JA065	M 4.7 OHM J 1/10W	1	PAVCA
	R16531	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16532	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16534	D0GF561JA047	M 560 OHM,J, 1/3W	1	PAVCA
	R16536	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16537	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16551	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16552	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16561	EXB38V470J	M 47 OHM 1/16 W	1	
	R16562	EXB38V470J	M 47 OHM 1/16 W	1	
	R16563	EXB38V470J	M 47 OHM 1/16 W	1	
	R16564	EXB38V470J	M 47 OHM 1/16 W	1	
	R16565	EXB38V472JV	M 4.7 kOHM 1/16 W	1	
	R16566	EXB38V472JV	M 4.7 kOHM 1/16 W	1	
	R16567	EXB38V472JV	M 4.7 kOHM 1/16 W	1	
	R16568	EXB38V472JV	M 4.7 kOHM 1/16 W	1	
	R16570	EXB38V472JV	M 4.7 kOHM 1/16 W	1	
	R16573	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16574	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16575	D0GB751JA065	M750 OHM J 1/10W	1	PAVCA
	R16576	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R16579	EXB38V470J	M 47 OHM 1/16 W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16581	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16582	D0GF563JA048	M 56 KOHM,J,1/3W	1	PAVCA
	R16583	D1BD1003A044	M 100KOHM,J.1/8 W	1	
	R16584	D1BD4422A044	M44.2KOHM,F.1/8W	1	PAVCA
	R16585	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16587	D0GB222JA065	M 2.2KOHM,J,1/10W	1	
	R16588	D0GB223JA065	M 22KOHM,J,1/10W	1	PAVCA
	R16590	D0GB221JA065	M 220 OHM J 1/10W	1	
	R16591	EXB38V472JV	M 4.7 kOHM 1/16 W	1	
	R16594	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16601	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16604	D0GD331JA052	M 330 OHM,J,1/4W	1	PAVCA
	R16605	D0GD220JA059	M 22 OHM,J,1/4W	1	PAVCA
	R16606	D0GD223JA052	M 22KOHM,J,1/4W	1	PAVCA
	R16607	D1BB5111A055	M5.11KOHM,J.1/10W	1	
	R16608	ERG2FJS153D	M 15KOHM, J, 2W	1	
	R16609	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R16610	D0GB104JA065	M 100KOHM J 1/10W	1	
	R16612	D0GD220JA059	M 22 OHM,J,1/4W	1	PAVCA
	R16615	D1BB1871A055	M1.87KOHM, 1/10W	1	PAVCA
	R16617	D0GD222JA052	M 2.2KOHM,J,1/4W	1	PAVCA
	R16622	D0GD221JA052	M 220 OHM,J 1/4W	1	PAVCA
	R16623	D0GD221JA052	M 220 OHM,J 1/4W	1	PAVCA
	R16631	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16633	D0GD223JA052	M 22KOHM,J,1/4W	1	PAVCA
	R16634	D0GD222JA052	M 2.2KOHM,J,1/4W	1	PAVCA
	R16645	D0GB562JA065	M 5.6KOHM,J,1/10W	1	PAVCA
	R16646	D1BD8660A044	M 866 OHM,F.1/8W	1	PAVCA
	R16648	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R16649	D0GD330JA059	M 33 OHM,F,1/4W	1	
	R16650	D0GB104JA065	M 100KOHM J 1/10W	1	
	R16653	D0GD222JA052	M 2.2KOHM,J,1/4W	1	PAVCA
	R16654	D0GD470JA052	M 47 OHM,J,1/8W	1	PAVCA
	R16658	D1BD6491A077	M6.49KOHM,D.1/10W	1	PAVCA
	R16661	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16662	D1BB1002A087	M 10KOHM,J.1/10W	1	
	R16663	D1BD9091A077	M 9.09KOHM,D.1/10W	1	PAVCA
	R16664	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R16665	D0GD222JA052	M 2.2KOHM,J,1/4W	1	PAVCA
	R16666	D1BB1003A087	M100KOHM,D 1/10W	1	PAVCA
	R16668	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R16675	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16676	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16678	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R16682	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16683	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16684	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16685	D1BD1500A044	M 150 OHM,J.1/8 W	1	
	R16686	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16719	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16721	EXB38V220JV	M 22 OHM 1/16 W	1	
	R16761	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16763	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16772	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16773	D0GD102JA052	M 1.0KOHM,J,1/4W	1	PAVCA
	R16776	D0GD470JA052	M 47 OHM,J,1/8W	1	PAVCA
	R16786	D1BD5902A044	M 59KOHM,F.1/8W	1	PAVCA
	R16791	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16797	D0GD220JA052	M 22 OHM,J,1/4W	1	PAVCA
	R16798	D0GB222JA065	M 2.2KOHM,J,1/10W	1	
	R16799	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16815	D0GB103JA065	M 10K OHM J 1/10W	1	

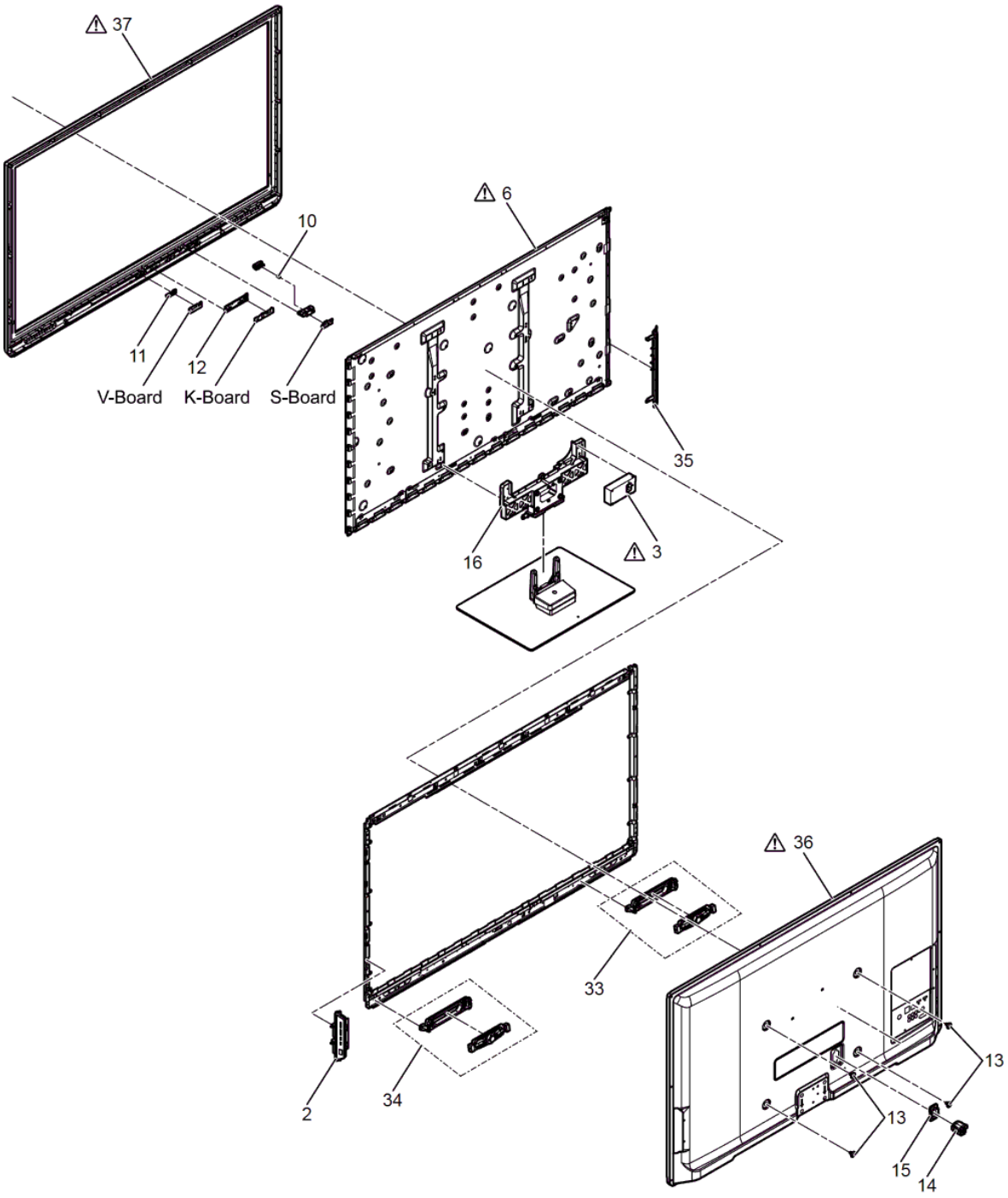
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	R16818	D1BB3302A055	M 33KOHM,J.1/10W	1	
	R16819	D1BD1503A044	M 150KOHM.F.1/8W	1	PAVCA
	R16820	D1BD1503A044	M 150KOHM.F.1/8W	1	PAVCA
	R16822	D1BD8202A044	M 82KOHM,J.1/8 W	1	
	R16823	D1BD6192A044	M61.9KOHM,J.1/8 W	1	
	R16824	D1BD3742A044	M37.4KOHM,F.1/8W	1	
	R16825	D0GD154JA059	M 150KOHM,J,1/4W	1	
	R16826	D0GB103JA065	M 10K OHM J 1/10W	1	
	R16829	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16831	D1BD6812A077	M68.1KOHM,D.1/10W	1	PAVCA
	R16832	D1BD7152A077	M71.5K0OHM,D.1/10W	1	PAVCA
	R16833	ERG1SJ683	M 68KOHM, J, 1W	1	
	R16834	ERG1SJ683	M 68KOHM, J, 1W	1	
	R16838	ERG2FJS104D	M 100KOHM, J, 2W	1	
	R16841	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16842	D0GD102JA052	M 1.0KOHM,J,1/4W	1	PAVCA
	R16844	ERA6YEB242	M 2.4KOHM, B 1/10W	1	
	R16845	D1BD6812A077	M68.1KOHM,D.1/10W	1	PAVCA
	R16846	D1BD5762A077	M57.6KOHM,D.1/10W	1	PAVCA
	R16847	D1BD6492A077	M64.9KOHM,D.1/10W	1	PAVCA
	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	D1BF6982A058	M 69.8KOHM, 1/4W	1	
	R16892	D1BF8252A058	M82.50KOHM, 1/4W	1	
	R16893	D1BF8252A058	M82.50KOHM, 1/4W	1	
	R16894	D1BB3091A087	M3.09KOHM,D 1/16W	1	PAVCA
	R16895	D1BB9091A087	M9.09 KOHM,J.1/10W	1	PAVCA
	R16897	D1BB2262A055	M22.6KOHM F 1/10W	1	PAVCA
	R16898	D1BB1051A055	M1.05KOHM,J.1/10W	1	
	R16899	D1BB1372A055	M13.7KOHM, 1/10W	1	PAVCA
	R16900	D1BB3831A055	M3.83KOHM,D 1/16W	1	PAVCA
	R16902	D0GB6R2JA065	M 6.2 OHM J 1/10W	1	PAVCA
	R16919	D1BB1582A055	M15.8KOHM, 1/10W	1	PAVCA
	R16920	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R16921	D1BB2152A055	M 21.5KOHM, 1/10W	1	PAVCA
	R16922	D1BB9531A055	M9.53KOHM,J.1/10W	1	
	R16923	D1BB5111A055	M5.11KOHM,J.1/10W	1	
	R16924	D1BB1152A055	M 11.5KOHM 1/10W	1	PAVCA
	R16931	D1BF2R70A021	M 2.7 OHM, 1/4W	1	
	R16932	D0GD223JA052	M 22KOHM,J,1/4W	1	PAVCA
	R16937	D0GB184JA065	M 180KOHM J 1/10W	1	PAVCA
	R16939	D0GD102JA052	M 1.0KOHM,J,1/4W	1	PAVCA
	R16940	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16941	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16942	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16945	D0GB471JA065	M 470 OHM,J,1/10W	1	PAVCA
	R17101	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17102	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17103	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17104	D1BB49R90002	M 49 OHM,J.1/10W	1	
	R17105	D1BB49R90002	M 49 OHM,J.1/10W	1	
	R17106	D1BB49R90002	M 49 OHM,J.1/10W	1	
	R17107	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17108	D1BB49R90002	M 49 OHM,J.1/10W	1	
	R17110	D0GF223JA047	M 22KOHM,J, 1/3W	1	PAVCA
	R17111	D0GB331JA065	M330 OHM J 1/10W	1	PAVCA
	R17112	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R17131	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17133	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17135	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R17145	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R17146	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R17161	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R17162	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R17164	D0GB470JA065	M 47 OHM,J,1/10W	1	
	R17165	D1BB49R90002	M 49 OHM,J.1/10W	1	
	R17166	D1BB49R90002	M 49 OHM,J.1/10W	1	
	R17167	D1BB49R90002	M 49 OHM,J.1/10W	1	
	R17168	D1BB49R90002	M 49 OHM,J.1/10W	1	
	R17196	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R17198	D0GD224JA052	M 220KOHM,J,1/4W	1	PAVCA
	R17199	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R17201	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17202	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17203	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17204	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17205	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17206	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17207	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17208	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17209	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17210	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17211	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17212	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17231	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17233	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17235	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17237	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17239	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17241	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17262	D0GB470JA065	M 47 OHM,J,1/10W	1	
	R17263	D0GB681JA065	M 680 OHM,J,1/10W	1	PAVCA
	R17264	D0GB681JA065	M 680 OHM,J,1/10W	1	PAVCA
	R17268	D0GD224JA052	M 220KOHM,J,1/4W	1	PAVCA
	R17270	EXB38V470J	M 47 OHM 1/16 W	1	
	R17271	EXB38V470J	M 47 OHM 1/16 W	1	
	R17272	EXB38V681J	M 680 OHM 1/16 W	1	
	R17301	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17302	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17303	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17304	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17305	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17306	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17307	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17308	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17309	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17310	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17311	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17312	D0GB101JA065	M 100 OHM,J,1/10W	1	
	R17313	D0GB331JA065	M330 OHM J 1/10W	1	PAVCA
	R17314	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R17315	D0GF223JA047	M 22KOHM,J, 1/3W	1	PAVCA
	R17331	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17333	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17335	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17337	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17339	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17341	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17361	D0GB681JA065	M 680 OHM,J,1/10W	1	PAVCA
	R17362	D0GB681JA065	M 680 OHM,J,1/10W	1	PAVCA
	R17366	EXB38V470J	M 47 OHM 1/16 W	1	
	R17367	EXB38V470J	M 47 OHM 1/16 W	1	

Model No. : TC-P50ST30 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R17368	EXB38V470J	M 47 OHM 1/16 W	1	
	R17369	EXB38V470J	M 47 OHM 1/16 W	1	
	R17370	EXB38V681J	M 680 OHM 1/16 W	1	
	R17371	EXB38V681J	M 680 OHM 1/16 W	1	
	R17372	EXB38V681J	M 680 OHM 1/16 W	1	
	R17398	D0GD224JA052	M 220KOHM,J,1/4W	1	PAVCA
	R17399	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	RM2810	B3RAD0000168	REMOTE SENSOR	1	
	S10	K1KA02BA0061	2P CONNECTOR	1	
	SC2	K1KY02B00012	2P CONNECTOR	1	
	SC20	K1MY35BA0345	35P CONNECTOR	1	
	SC41	K1KA09AA0707	9P CONNECTOR	1	
	SC42	K1KA09AA0707	9P CONNECTOR	1	
	SC46	K1KA09AA0707	9P CONNECTOR	1	
	SC50	K1KA02AA0193	2P CONNECTOR	1	
	SN2810	B3JB00000078	IC	1	
	SS11	K1KY03B00006	3P CONNECTOR	1	
	SS33	K1MY20BA0345	20P CONNECTOR	1	
	SS53	K1MN13B00091	13P CONNECTOR	1	
	SS54	K1MN13B00091	13P CONNECTOR	1	
	SS56	K1MN13B00091	13P CONNECTOR	1	
	SW2890	K0F122A00204	SWITCH	1	PAVCA
	T8301	G5BYC0000015	TRANS	1	
	T16471	G4DYA0000253	SWITCHING TRANS	1	PAVCA
	T16472	G4DYA0000252	SWITCHING TRANS	1	PAVCA
⚠	TU4801	ENGS6302D5F	TUNER	1	PAVCA
	V14	K1KA06B00220	6P CONNECTOR	1	
	X8300	H0J245500110	CRYSTAL	1	PAVCA
	X8600	H0J250500109	CRYSTAL	1	
	X9300	H0J200500091	CRYSTAL	1	PAVCA
	ZA16001	K4AZ01D00004	TERMINAL	1	
	ZA16002	K4AZ01D00004	TERMINAL	1	
	ZA16402	K4AZ01D00004	TERMINAL	1	
	ZA16403	K4AZ01D00004	TERMINAL	1	
	ZA17101	K4CD01000013	AV TERMINAL	1	
	ZA17102	K4CD01000013	AV TERMINAL	1	
	ZA17103	K4CD01000013	AV TERMINAL	1	
	ZA17201	K4CD01000013	AV TERMINAL	1	
	ZA17202	K4CD01000013	AV TERMINAL	1	
	ZA17203	K4CD01000013	AV TERMINAL	1	
	ZA17204	K4CD01000013	AV TERMINAL	1	
	ZA17301	K4CD01000013	AV TERMINAL	1	
	ZA17302	K4CD01000013	AV TERMINAL	1	
	ZA17303	K4CD01000013	AV TERMINAL	1	
	ZA17304	K4CD01000013	AV TERMINAL	1	

Model No. : TC-P50ST30 Exploded View 1



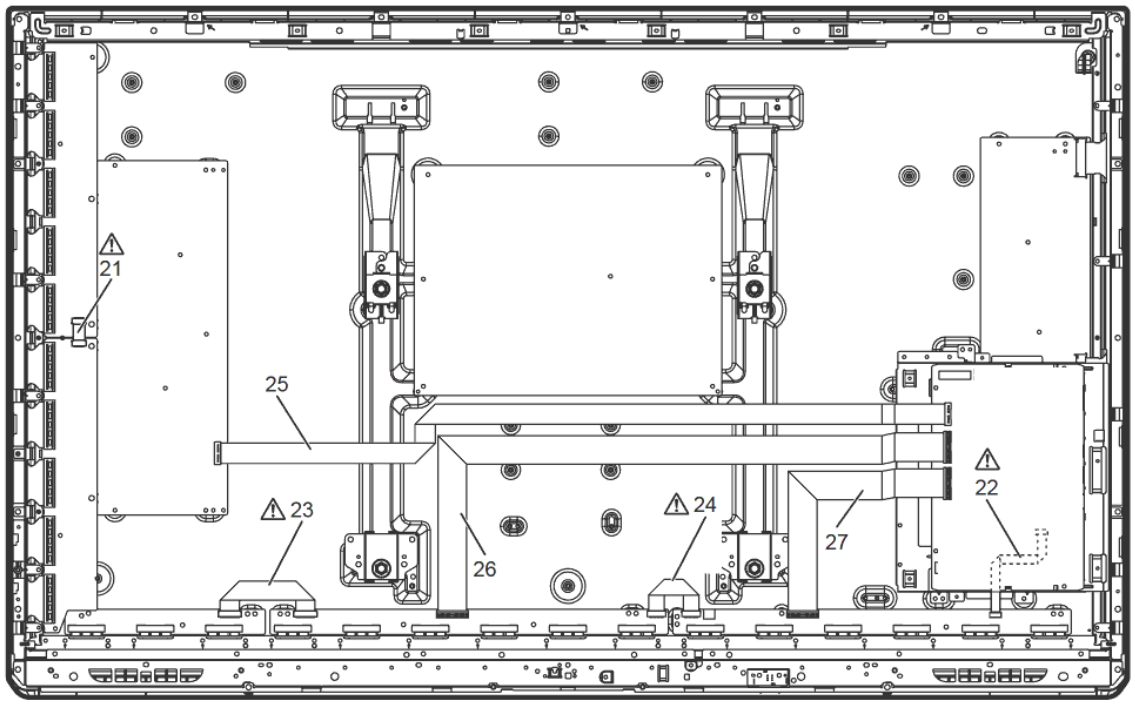
Assembly screws
size (M5 × 20) (Silver) (4)
size (M5 x 25) (Black) (4)
38 size (M4 x 8) (Black) (1)

31 Stand pole (1)

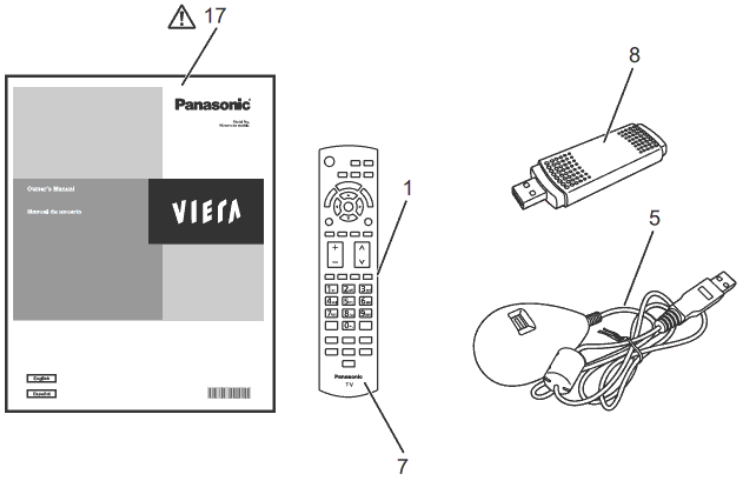
32 Cover(1)

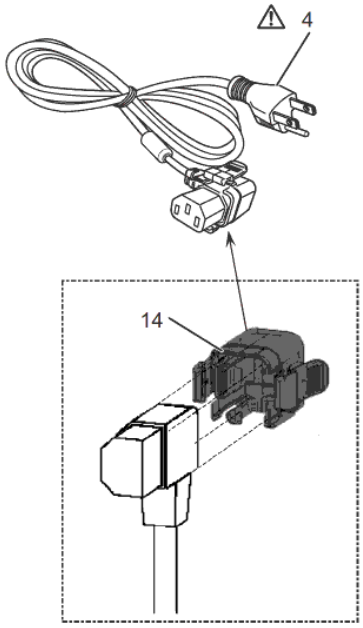
9 Base (1)

Model No. : TC-P50ST30 Exploded View 2



Model No. : TC-P50ST30 Accessories





Model No. : TC-P50ST30 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	10030-0061200	BATTERY COVER	1	PAVCA
	2	K0RB00600022	SIDE UNIT ASSY	1	PAVCA
⚠	3	K2AHYH000043	AC INLET WITH CABLE	1	PAVCA
⚠	4	K2CG3YY00060	AC CORD(USA)	1	PAVCA
	5	K2KYYYY00150	USB CABLE	1	PAVCA
⚠	6	MD50F14C6A	PLASMA DISPLAY PANEL	1	PAVCA
	7	N2QAYB000571	REMOTE CONTROL	1	PAVCA
	8	N5HBZ0000055	WI-LAN MODULE(DONGLE)	1	PAVCA
	31	TBL5ZA3065	STAND POLE	1	
	9	TBL5ZX0049	PEDESTAL STAND	1	PAVCA
	10	TESD101	SPRING	1	
		THEJ036J	SCREW(INL-STA_BRA:1 CON_M-S_UNIT:1 CON_A-B:7)	9	
		THEJ036J	SCREW(TU:3 CONTACT_METAL:17)	20	
		THEJ036J	SCREW(P:7 SS:5 SC:7 SUSD:3)	22	
		THEJ036J	SCREW(C:11)	11	
		THEJ0409	SCREW	10	chap.3.1. (3)
		THEL0239	SCREW(DD-CONTACT_BOT:15)	15	
		THEL052Z	SCREW	25	chap.3.1. (1)
	11	TKKC5412-1	3D LED PANEL	1	PAVCA
	12	TKKC5413	LED PANEL	1	PAVCA
	13	TKKL5493	M8 CAP	4	chap.3.1. (6)
		TMME332	CLAMPER	2	
		TMME332	CLAMPER	8	
	14	TMXX064	AC CORD CLAMPER A	1	
	15	TMXX065	AC CORD CLAMPER B	1	
	16	TMZ2AX5009	STAND BRACKET	1	PAVCA
		TPD169487	JOINT	4	
		TPDX0016-1	JOINT	2	
		TPEB494	BAG (PEDESTAL STAND)	1	
		TPEB497	BAG (POLE COVER)	1	
⚠	17	TQB2AA0605-1	INSTRUCTION BOOK (ENG/FRE/SPA)	1	PAVCA
		TQZJ350	SCREW USE HANDBILE	1	
⚠	21	TSXM217	CABLE (SU11-SD11)	1	
⚠	22	TSXM233-1	CABLE (C33-SS33)	1	PAVCA
⚠	23	TSXM238-1	CABLE (C10-C20)	1	
⚠	24	TSXM240-1	CABLE (C26-C36)	1	
	25	TSXM257	CABLE (A20-SC20)	1	PAVCA
	26	TSXM258	CABLE (C21-A31)	1	PAVCA
	27	TSXM259	CABLE (C31-A32)	1	PAVCA
	32	TXFBL5Z0037	ASSY, STAND ACCESSORY COVER	1	PAVCA
	33	TXFEA02ZSER	SPEAKER L ASSY	1	PAVCA
	34	TXFEA03ZSER	SPEAKER R ASSY	1	PAVCA
	35	TXFKP02ZSER	SIDE TERMINAL COVER	1	PAVCA
⚠	36	TXFKU05ZSER	REAR COVER	1	PAVCA
⚠	37	TXFKY5Z0060	CABINET ASSY	1	PAVCA
⚠		TXJA11PHUU	SPEAKER LEAD (A11-SPR/SPL)	1	PAVCA
	38	XSB4+8FNK	SCREW M4x8	1	
		XTB3+8GFJ	SCREW M3	2	
		XTB3+8GFN	TAPPING SCREW 3x8	4	
		XTB4+12GFJ	SCREW(CAB-CON_MET:TOP3 SIDE4 BOT7 PW:2)	16	
		XTB4+12GFJK	SCREW(BC:10)	10	chap.3.1. (2)
		XTS4+10GFN	SCREW 4x10	12	
		XTV3+10JFJK	SCREW(REAR AV:2)	2	chap.3.1. (4)
		XTV3+8GFJ	SCREW(LED:2)	2	
		XTV3+8GFJ	SCREW(S-PRINT:2 V-PRINT:1)	3	
		XYN3+F10FJK	SCREW(BC-AC_INLET:2)	2	chap.3.1. (5)
		XYN3+F8FJ	SCREW(A-PRINT:4)	4	
		XYN4+E6FJ	SCREW(INLET:1)	1	
		XYN4+F8FJ	SCREW(SC-SUSD:4)	4	
		XZB6X12B03	POLY BAG(SCREW)	1	