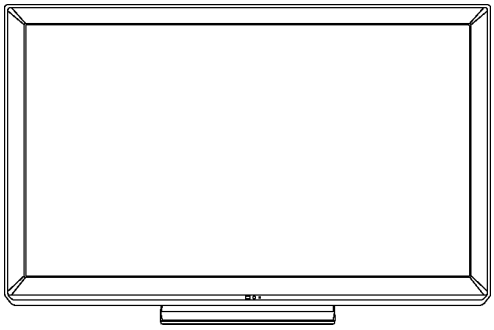
ORDER NO.MTNC110104CE
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Service Manual

50 inch Class 720p Plasma HDTV

Model No. TC-P50X3

GPH14DU 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.

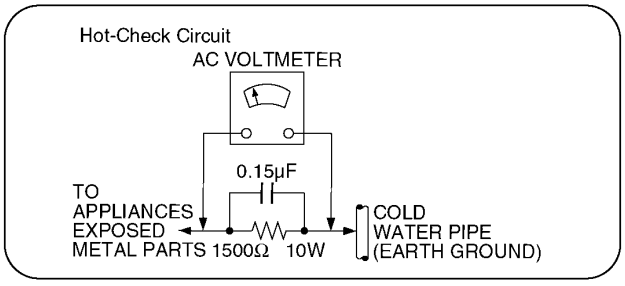


Figure 1

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)

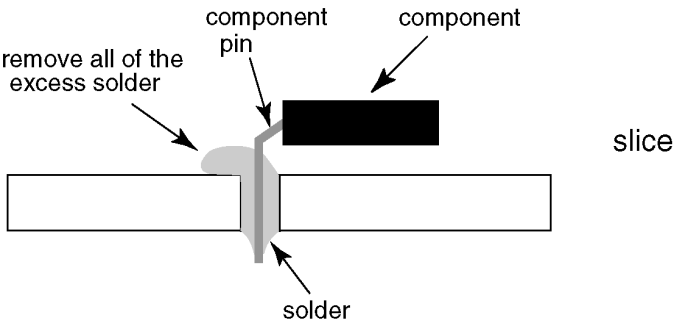
Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although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

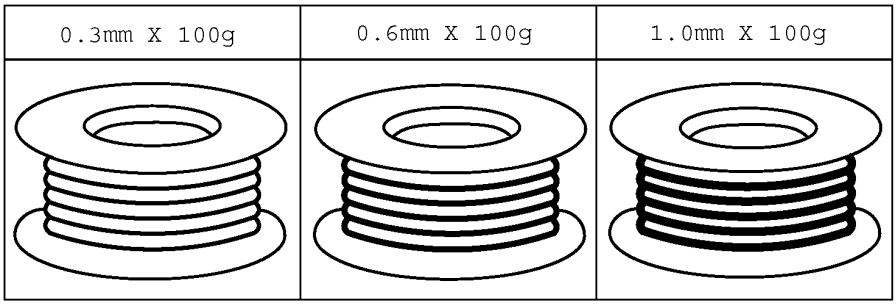
Caution

- 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

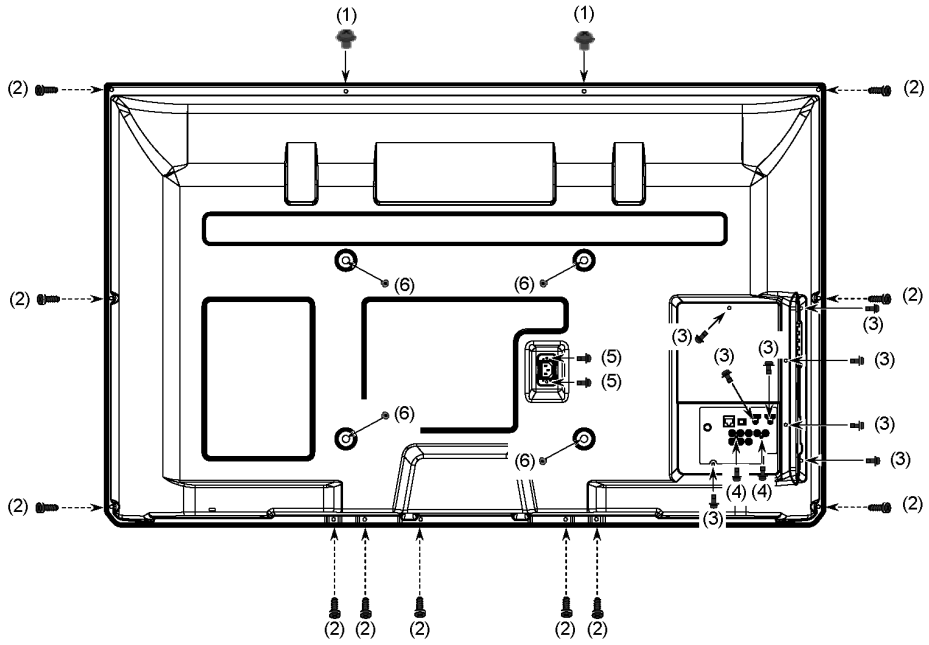
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.



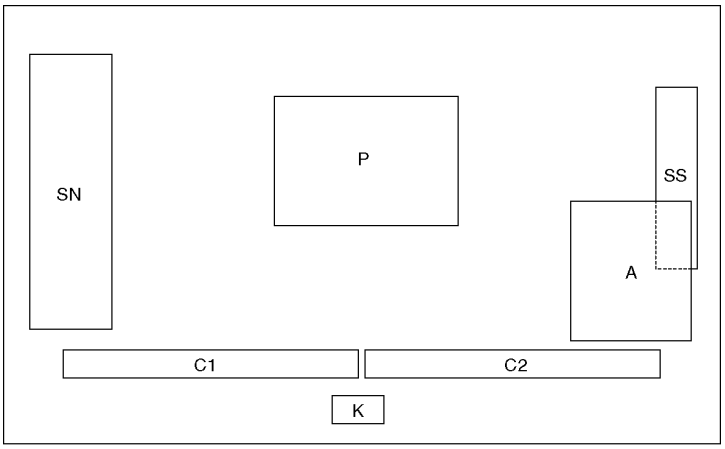
3 Service Navigation

3.1. PCB Layout

Remove the Rear cover



Remove:
2screws (1) THEL052Z
11screws (2) XTB4+12GFJK
8screws (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 exchanged for service.	C1	Data Driver (Lower Right)
		C2	Data Driver (Lower Left)
		SN	Scan Drive
A	Main AV input, processing	SS	Sustain Drive
K	Remote receiver, Power LED, C.A.T.S sensor		

3.2. Applicable signals

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

Power Source	AC 120 V, 60 Hz	
Power Consumption		
Rated Power Consumption	262 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)	786,432 (1,024 (W) × 768 (H)) [3,072 × 768 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 1-2	TYPE A Connector × 2	
	This TV supports [HDAVI Control 5] function.	
USB 1-2	USB 2.0 Type A connector x 2 (DC 5 V MAX500mA)	
LAN (for IPTV)	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
	EASY IPTV	Media player
	VIERA IMAGE VIEWER	HDAVI Control 5
Dimensions (W × H × D)		
Including pedestal	47.8 inch × 31.3 inch × 14.1 inch (1,212 mm × 793 mm × 357 mm)	
TV Set only	47.8 inch × 29.5 inch × 3.4 (3.7) inch (1,212 mm × 747 mm × 85 (93) mm)	
Mass		
Including pedestal	69.5 lb. (31.5 kg)	
TV Set only	66.2 lb. (30.0 kg)	

Note

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

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.

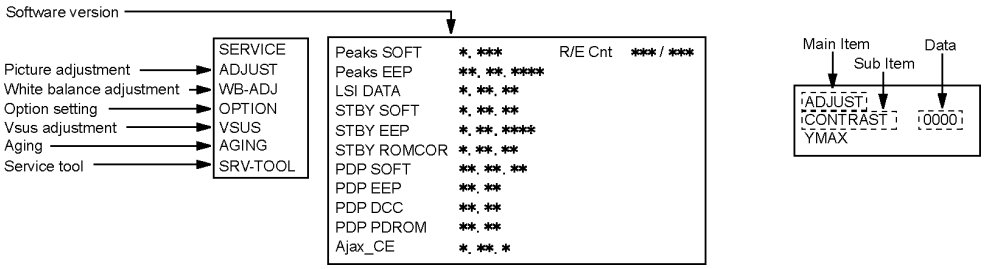
6 Service Mode

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



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	33	
	TINT	00	
	SUB-BRT	800	
WB-ADJ	R-CUT	80	
	G-CUT	80	
	B-CUT	80	
	R-DRV	FC	
	G-DRV	F8	
	B-DRV	D9	
	ALL-CUT	80	
	ALL-DRV	FC	
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

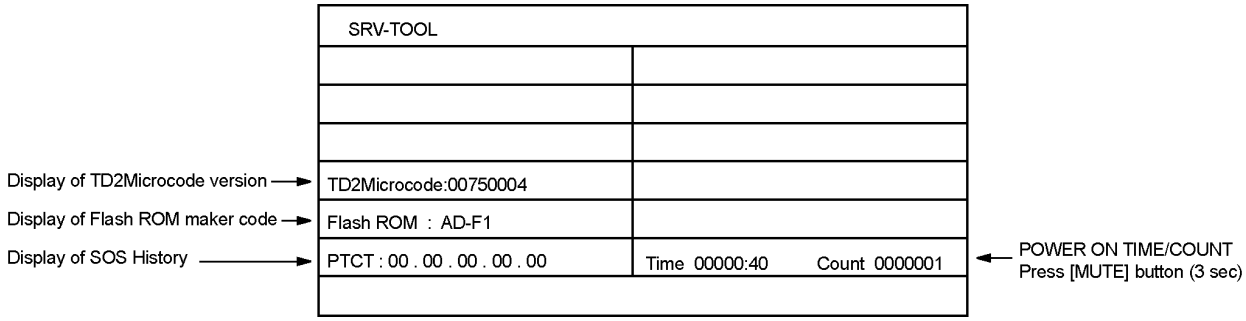


Hint : If the defective symptom (e.g. Vertical bar or Horizontal bar) is moved by selection of this mirror, the possible cause is in A-board.

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.

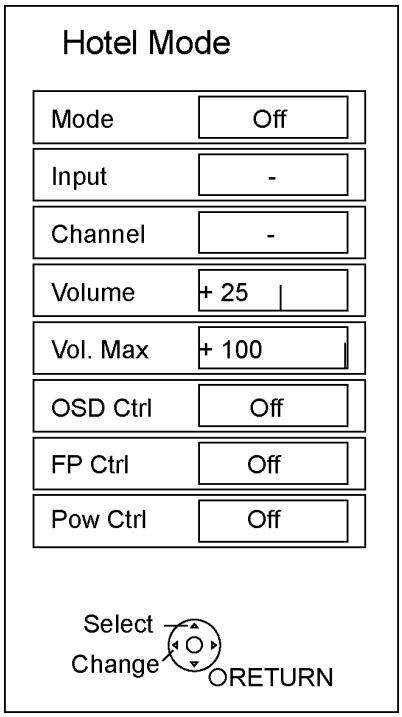
6.3.4. Exit

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

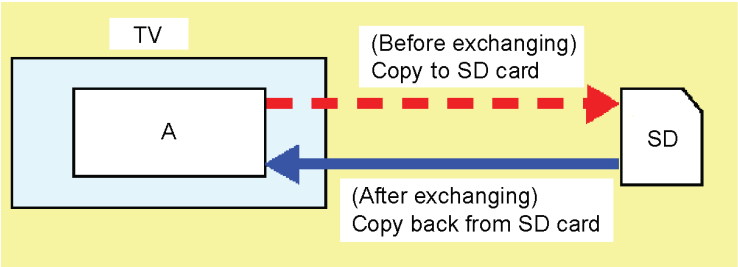
Item	Function
Mode	Select hotel mode On/Off
Input	Select input signal modes. Set the input, when each time power is switched on. Selection: -/RF/HDMI1/HDMI2/Component/Video • Off: give priority to a last memory.
Channel	Select channel when input signal is RF. Set the channel, each time power is switched 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):

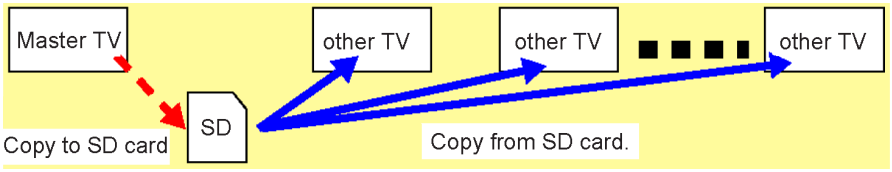
When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



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.

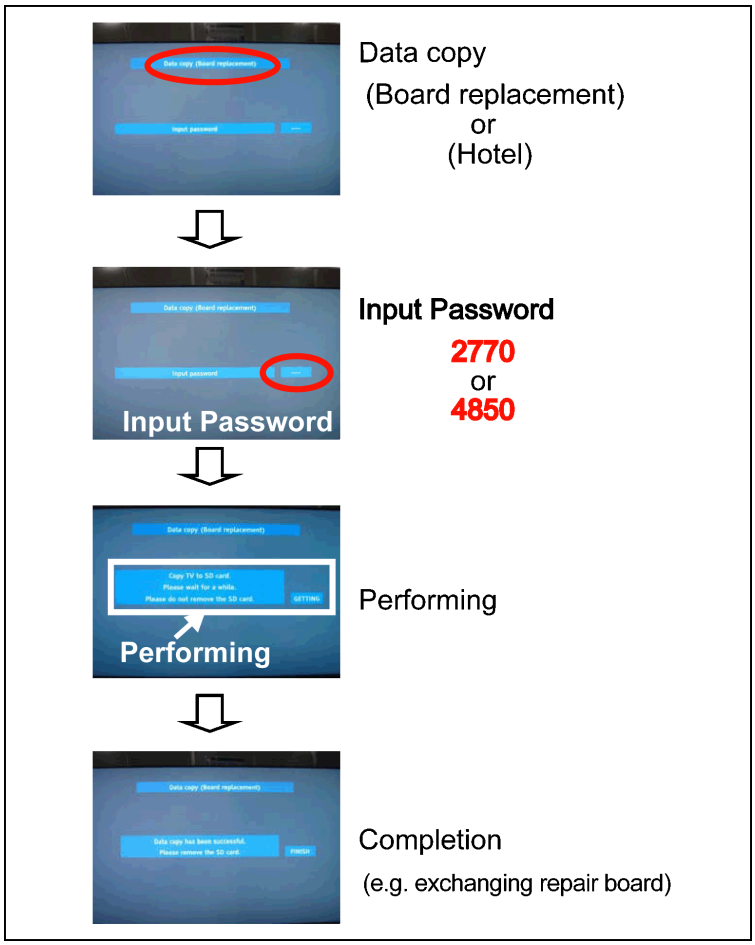
No any other file should not be in SD card.

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

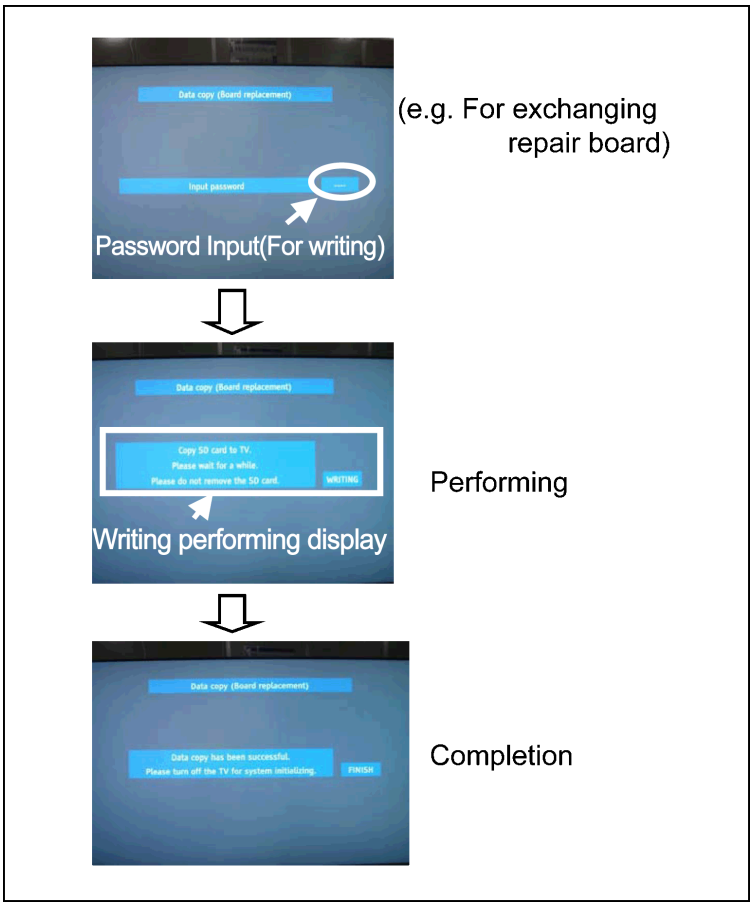


6.5.4. Data copy from SD Card to TV set

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.

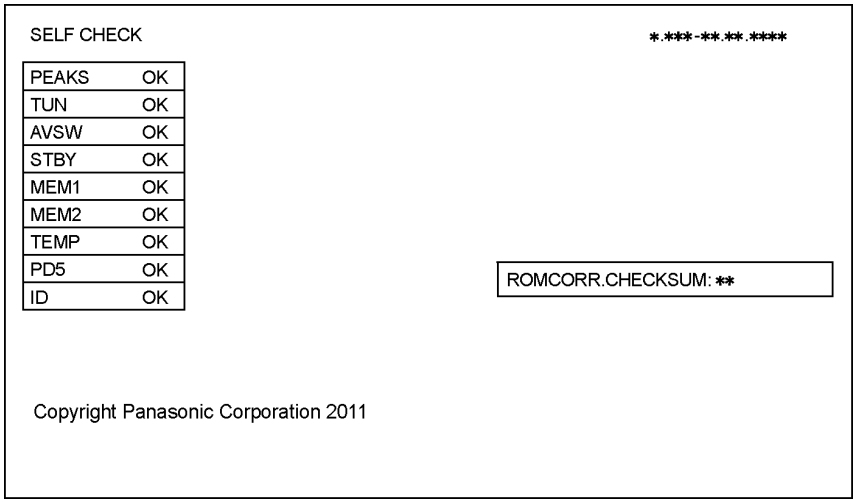
7.1.1.2. Self-check indication and forced to factory shipment setting:

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-sLD2	A-Board
TUN	TU4801	TUNER	A-Board
AVSW	IC3001	AUDIO/VIDEO SW	A-Board
STBY	IC8000	PEAKS-sLD2 (STM)	A-Board
MEM1	IC8902	PEAKS EEPROM	A-Board
MEM2	IC8901	STM EEPROM	A-Board
TEMP	IC3753	TEMP SENSOR	A-Board
PD5	IC9300	PD5L	A-Board
ID			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.

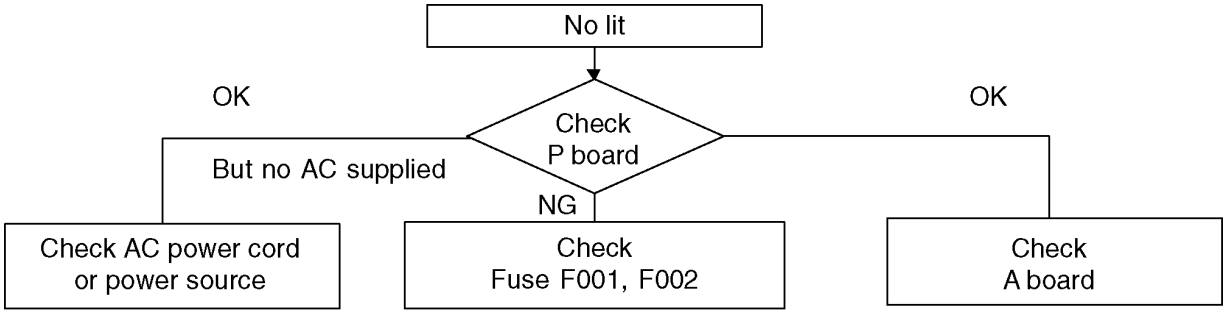
Blinking Times	Contents	Check point
1	Panel information SOS PD5 Start SOS	-
3	P+ 3.3V SOS	A-Board
4	Power SOS	P-Board
5	P+ 5V SOS	A-Board
6	Driver SOS1 (SN/SS Energy recovery circuit) (A-SN FPC DET)	SN-Board SS-Board A-SN FPC
7	Driver SOS2 (SN Connector DET) (SN Scan and Logic IC)	SN-Board
8	Driver SOS3 (SS FPC DET)	SS-Board SS FPC
9	Discharge Control SOS	A-Board
10	Sub 5V SOS Sub 3.3V SOS BE (sLD) SOS Tuner power SOS	A-Board SN-Board SS-Board P-Board
12	Sound SOS	A-Board Speaker
13	Emergency SOS	A-Board

7.3. No Power

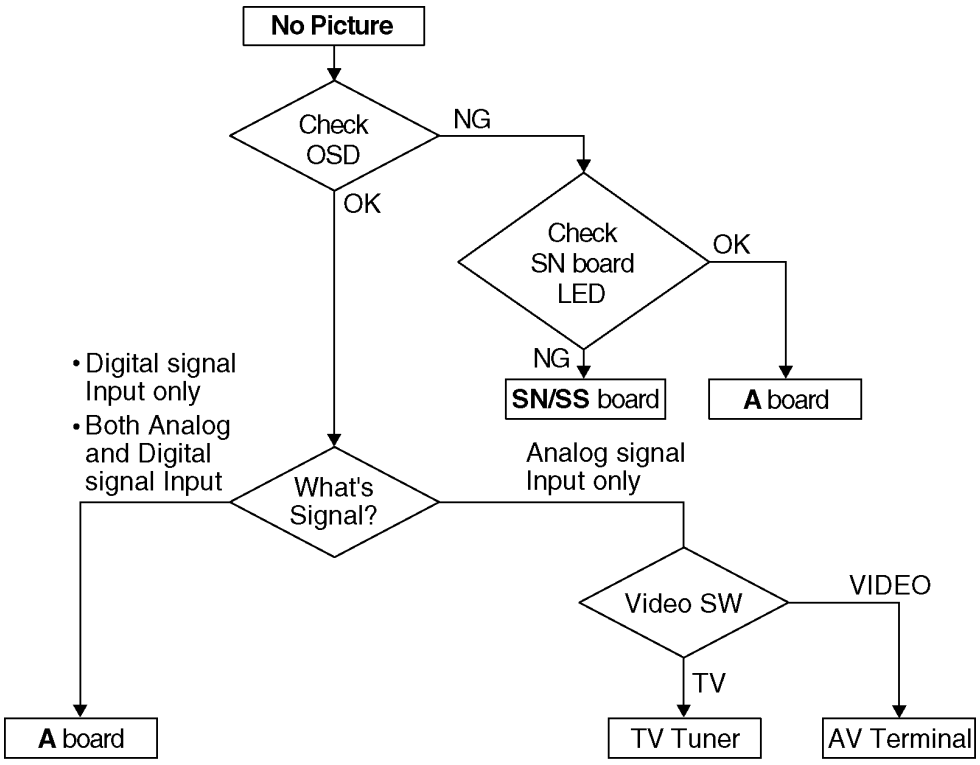
First check point

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

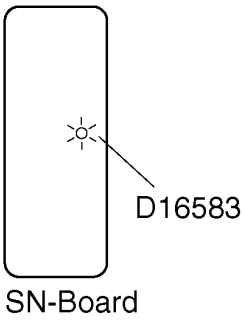
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 7.2.)



7.4. No Picture

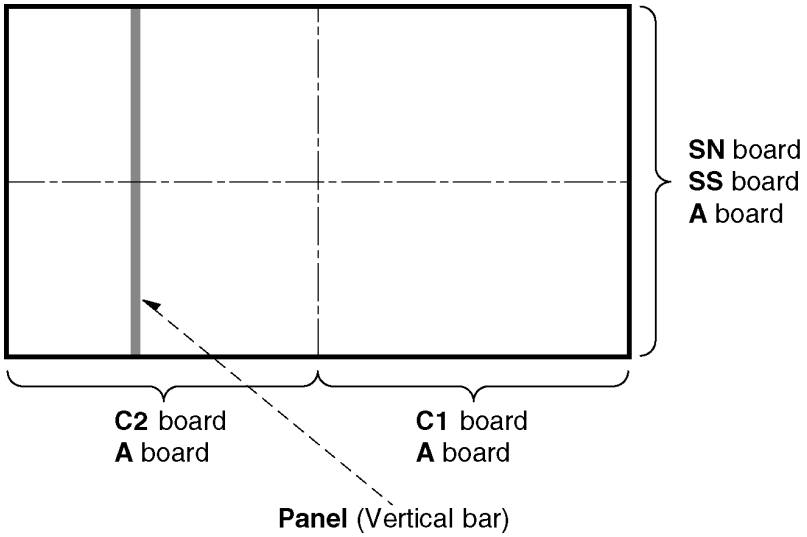


Drive circuits LED indicator



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 Disassembly and Assembly Instructions

8.1. Remove the Rear cover

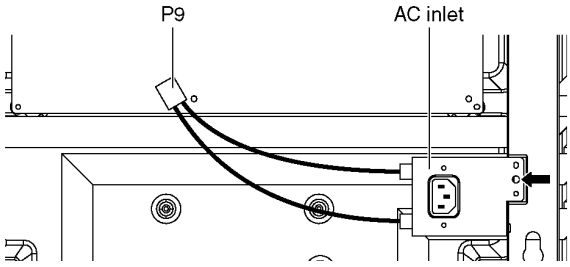
1. See PCB Layout (Section 3)

8.2. Remove the AC inlet

Caution:

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

1. Disconnect the connector (P9).
2. Remove the screw (×1 ➡) and remove the AC inlet.

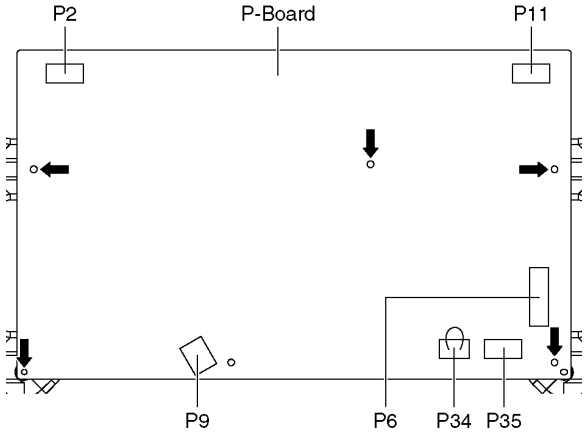


8.3. Remove the P-Board

Caution:

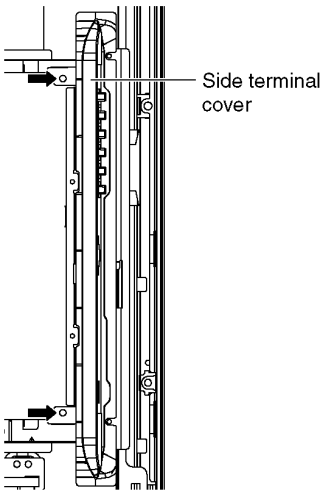
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Disconnect the connectors (P2, P6, P9, P11 and P35).
2. Remove a short-jumper connector P34 and re-use for new P-Board.
3. Remove the screws (×5 ➡) and remove the P-Board.



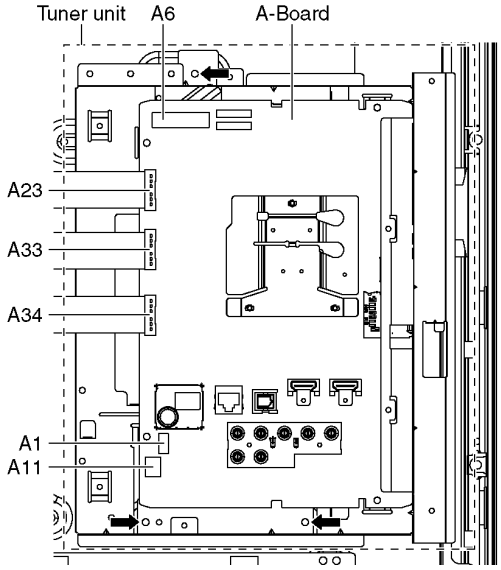
8.4. Remove the Side terminal cover

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



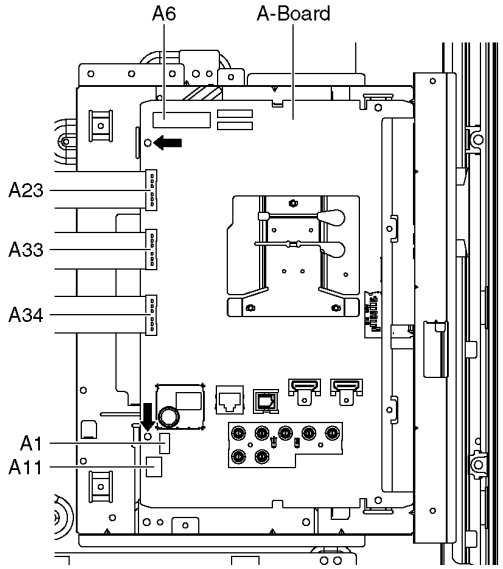
8.5. Remove the Tuner unit

1. Remove the Side terminal cover. (See section 8.4.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (A1, A6 and A11).
4. Disconnect the flexible cables (A23, A33 and A34).
5. Remove the screws (×3 ➡) and remove the Tuner unit.



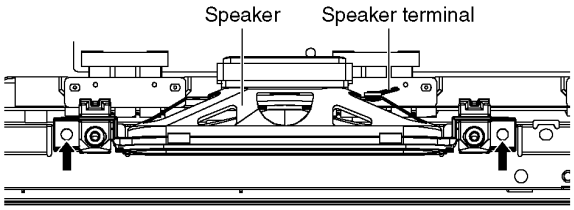
8.6. Remove the A-Board

1. Remove the Tuner unit. (See section 8.5.)
2. Remove the screws (×2 ➡) and remove the A-Board.



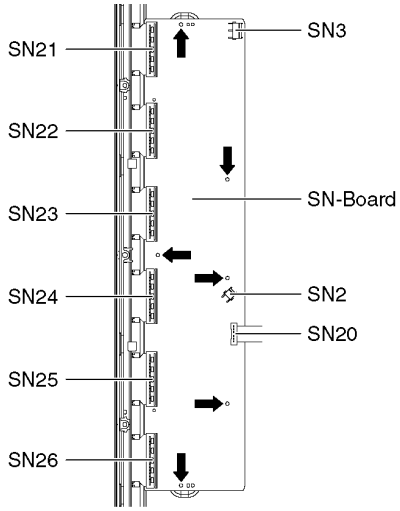
8.7. Remove the Speakers

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



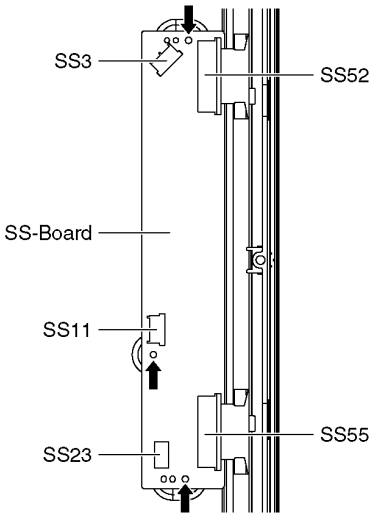
8.8. Remove the SN-Board

1. Remove the flexible cables (SN21, SN22, SN23, SN24, SN25 and SN26) connected to the SN-Board.
2. Disconnect the connectors (SN2 and SN3).
3. Disconnect the flexible cable (SN20).
4. Remove the screws (×6 ➡) and remove the SN-Board.



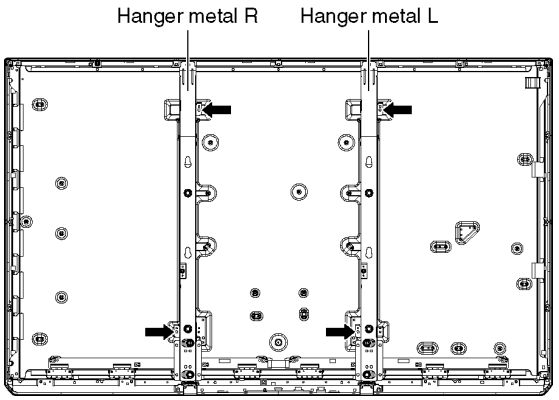
8.9. Remove the SS-Board

1. Remove the Tuner unit. (See section 8.5.)
2. Disconnect the connectors (SS3 and SS11).
3. Disconnect the flexible cables (SS23, SS52 and SS55).
4. Remove the screws (×3 ➡) and remove the SS-Board.

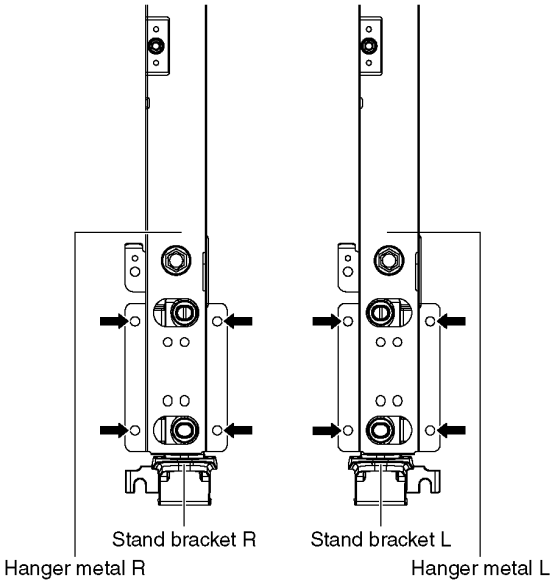


8.10. Remove the Hanger metals and the Stand brackets

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 8.2.)
3. Remove the Hanger metals (L, R) fastening screws (×2 ➡ each) and remove the Hanger metals (L, R).

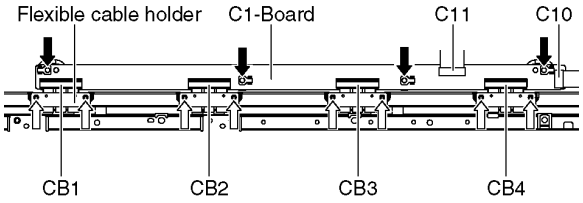


4. Remove the Stand brackets (L, R) fastening screws (×4 ➡ each) and remove the Stand brackets (L, R).



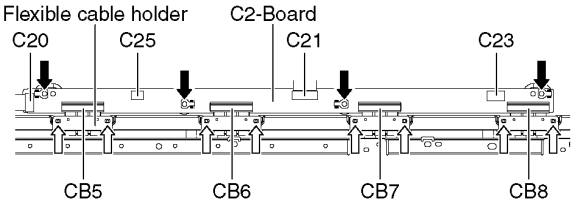
8.11. Remove the C1-Board

1. Remove the Hanger metal R and the Stand bracket R. (See section 8.10.)
2. Remove the Flexible cable holder fastening screws (×8 ⇨).
3. Disconnect the flexible cables (CB1, CB2, CB3 and CB4).
4. Disconnect the flexible cables (C10 and C11).
5. Remove the screws (×4 ➡) and remove the C1-Board.



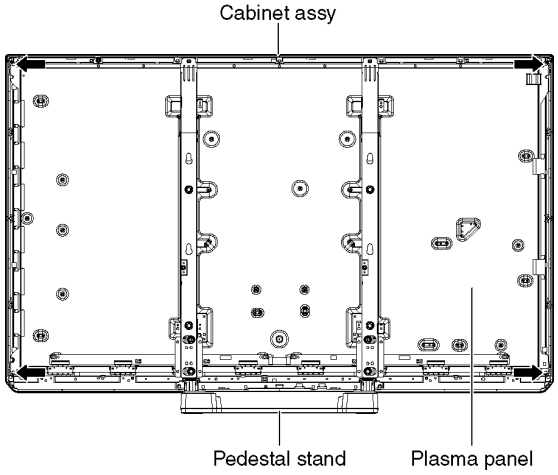
8.12. Remove the C2-Board

1. Remove the Tuner unit. (See section 8.5.)
2. Remove the Hanger metal L and the Stand bracket L. (See section 8.10.)
3. Remove the Flexible cable holder fastening screws (×8 ⇨).
4. Disconnect the flexible cables (CB5, CB6, CB7 and CB8).
5. Disconnect the flexible cables (C20, C21 and C23).
6. Disconnect the connector (C25).
7. Remove the screws (×4 ➡) and remove the C2-Board.

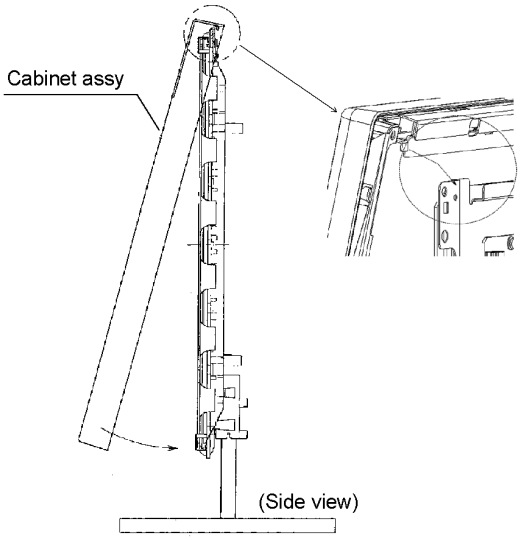


8.13. Remove the Plasma panel section from the Cabinet assy

1. Remove the Plasma panel fastening screws (×4 ➡) and remove the Cabinet assy.

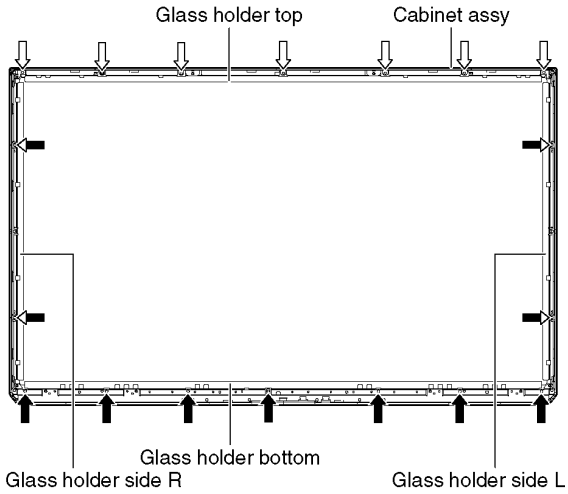


2. For leaving the Cabinet assy from the Plasma panel, pull the bottom of the Cabinet assy forward, lift, and remove.



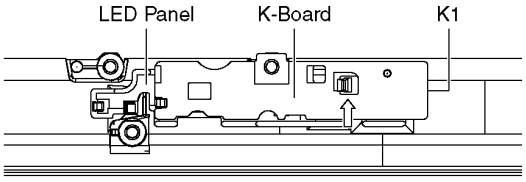
8.14. Remove the Glass holders

1. Remove the Cabinet assy. (See section 8.13.)
2. Remove the screws (×7 ⇨).
3. Remove the Glass holder top.
4. Remove the screws (×7 ➡).
5. Remove the Glass holder bottom.
6. Remove the screws (×4 ➡).
7. Remove the Glass holder side (L, R).



8.15. Remove the K-Board

1. Remove the Glass holder bottom. (See section 8.14.)
2. Remove the claw (×1 ⇨).
3. Disconnect the connector (K1) and Remove the K-Board from LED Panel.



8.16. Replace the Plasma panel

Caution:

A new Plasma panel itself without Hanger metals is fragile.

To avoid the damage to new Plasma panel, carry a new Plasma panel taking hold of the Hanger metals after assembling the Hanger metals and the Stand brackets.

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; Attach the C1-Board and the C2-Board, connect the flexible cables from the Plasma panel to the C1-Board and the C2-Board, and fit the Flexible cable holders.
3. Attach the Hanger metals and the Stand brackets to the new Plasma panel.
4. Place the Plasma panel on the servicing stand taking hold of the Hanger metals.
5. Attach the Cabinet assy and each P.C.Board and so on, to the new Plasma panel.

***When fitting the Cabinet assy, be careful not to allow any debris, dust or handling residue to remain between the Front glass and Plasma panel.**

9 Measurements and Adjustments

9.1. Adjustment

9.1.1. Vsus selection

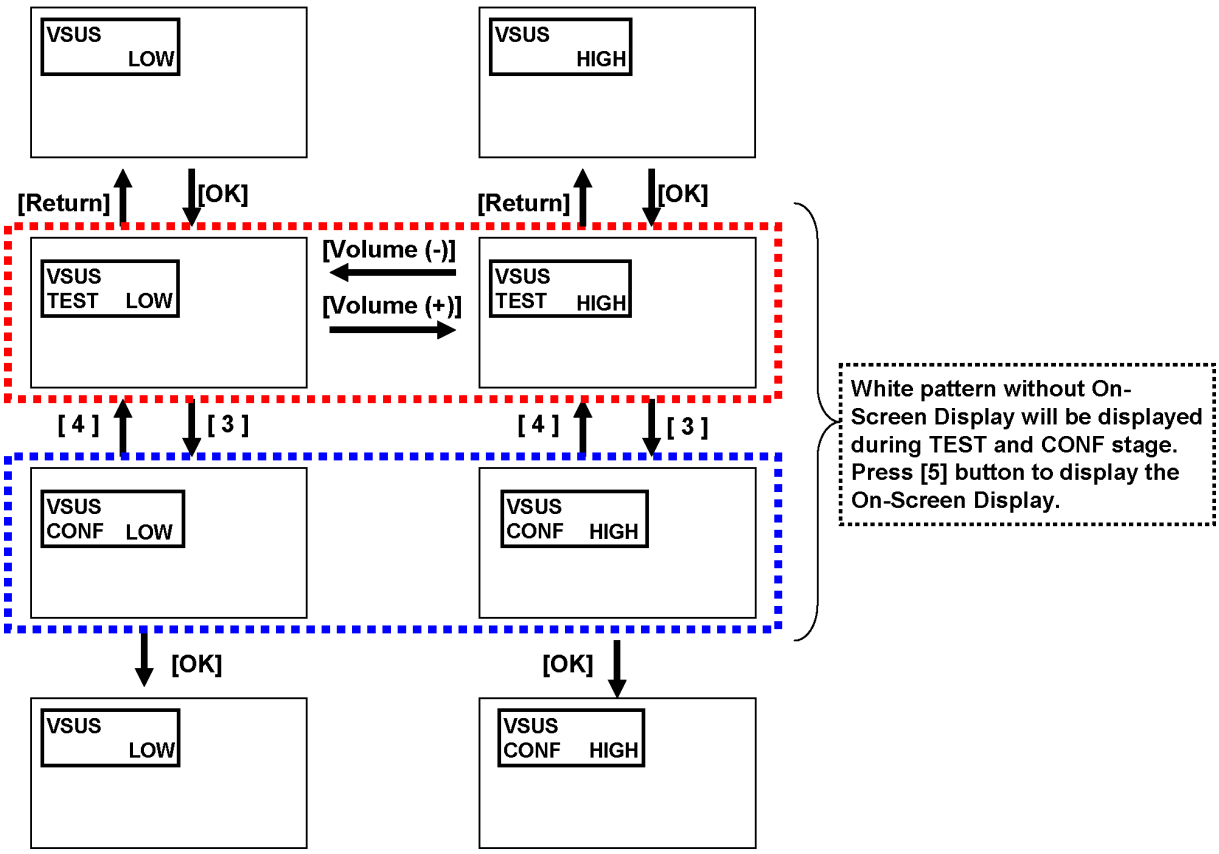
Caution:

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

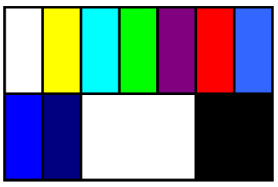
Procedure

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

Vsus selection in Service mode



9.1.2. 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) sub_contrast / RF_NTSC: adr 0150, 0151	

9.1.3. 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-P50X3 131cd/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

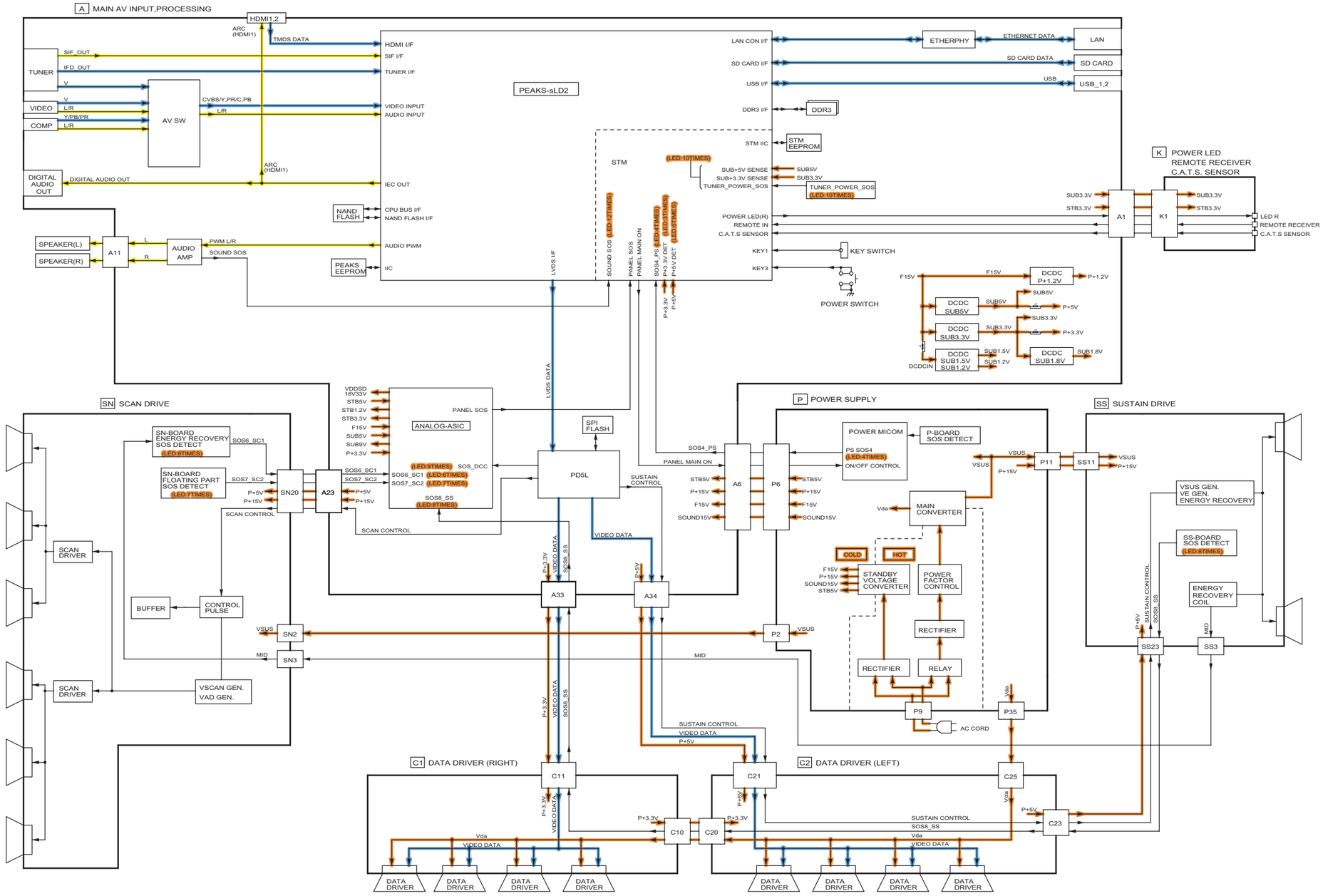
SD Color temperature High	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	017C 017D 017E 017F 0180 0181
SD Color temperature Mid	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	0182 0183 0184 0185 0186 0187
SD Color temperature Low	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	0188 0189 018A 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

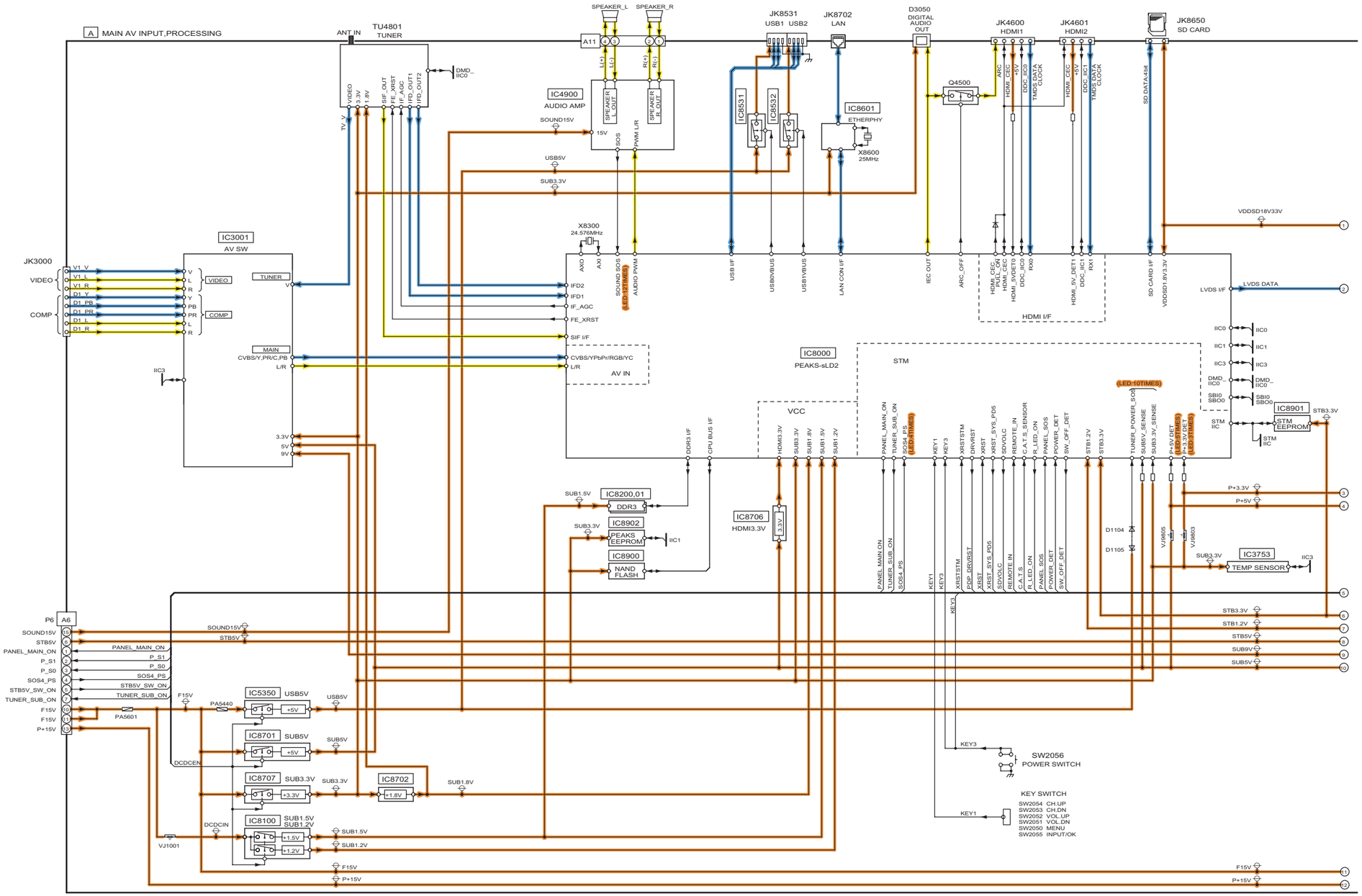
SD Color temperature High DIFF	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	01A0 01A1 01A2 01A3 01A4 01A5
SD Color temperature Mid DIFF	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	01A6 01A7 01A8 01A9 01AA 01AB
SD Color temperature Low DIFF	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE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

10 Block Diagram

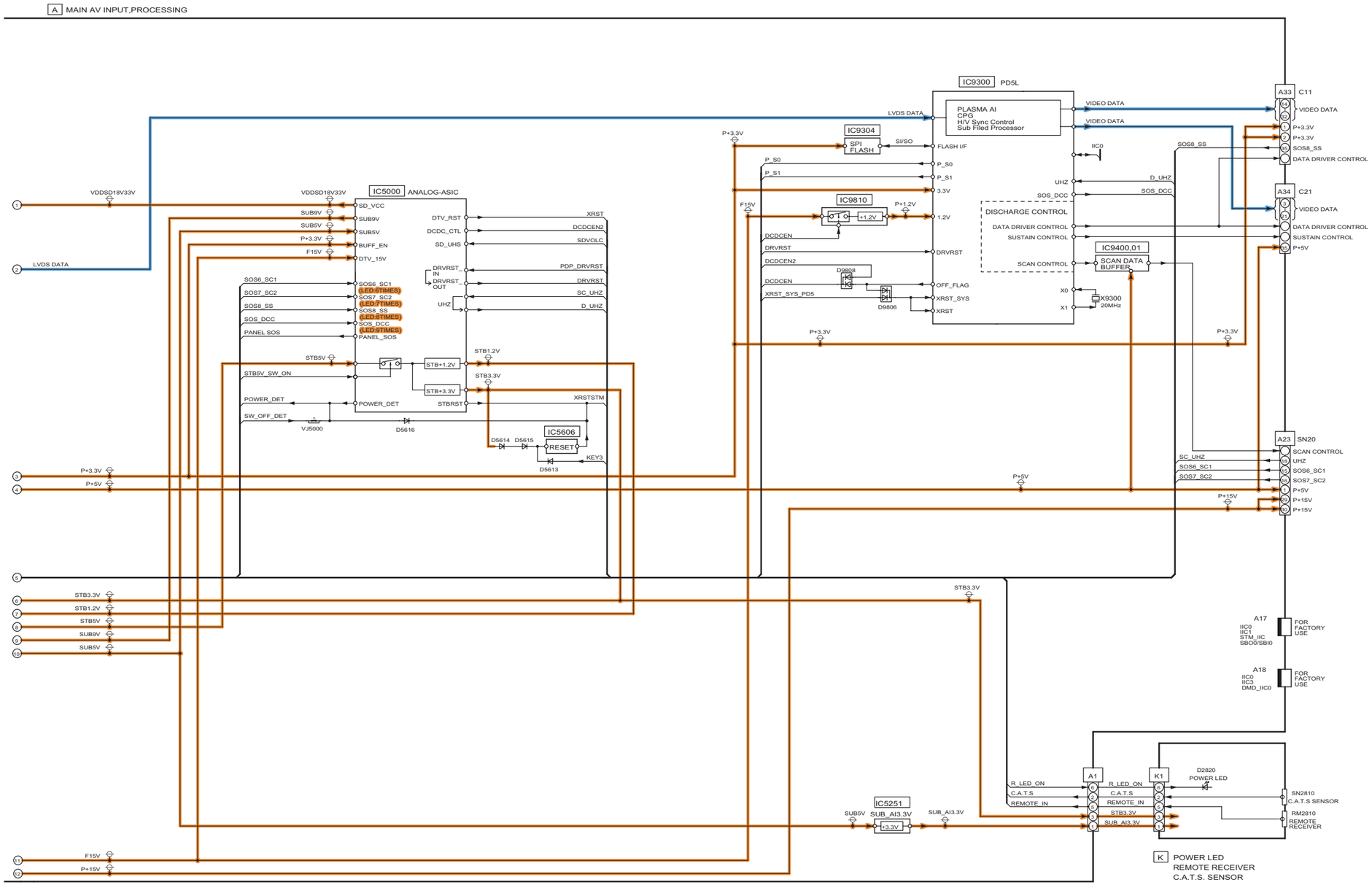
10.1. Main Block Diagram



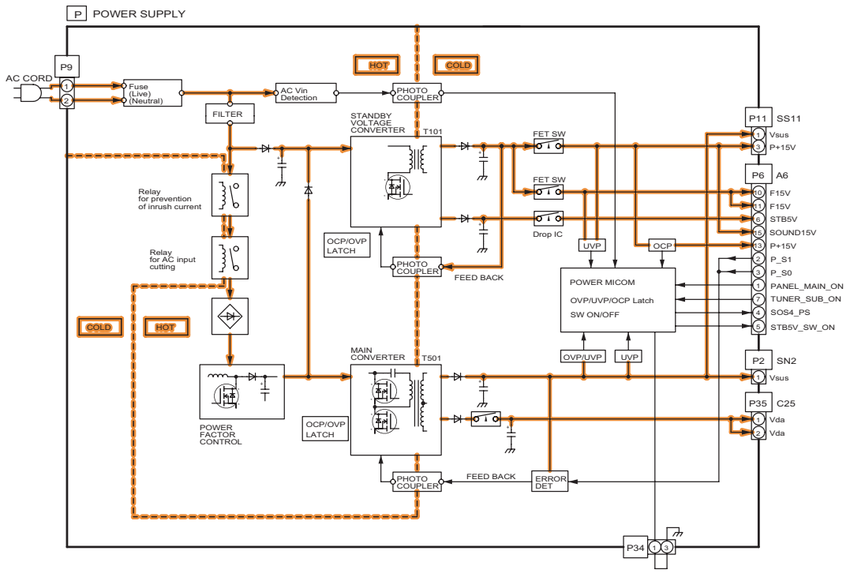
10.2. Block (1/4) Diagram



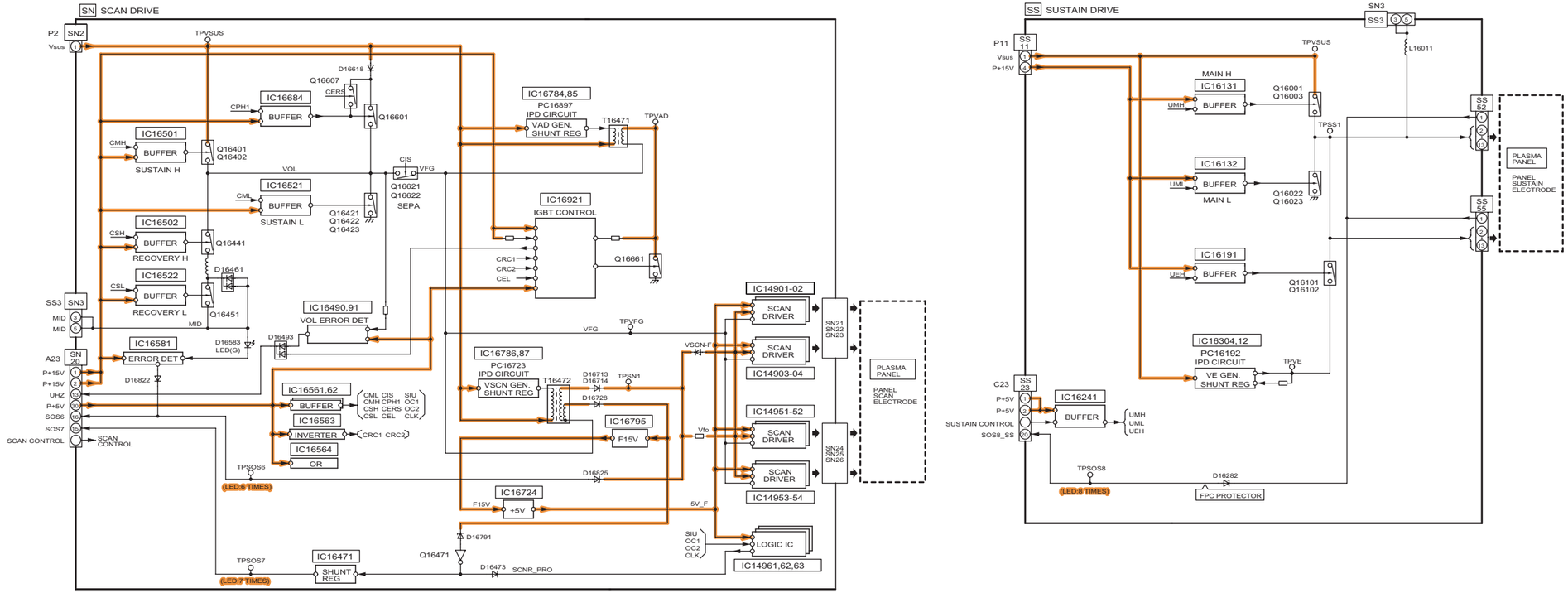
10.3. Block (2/4) Diagram

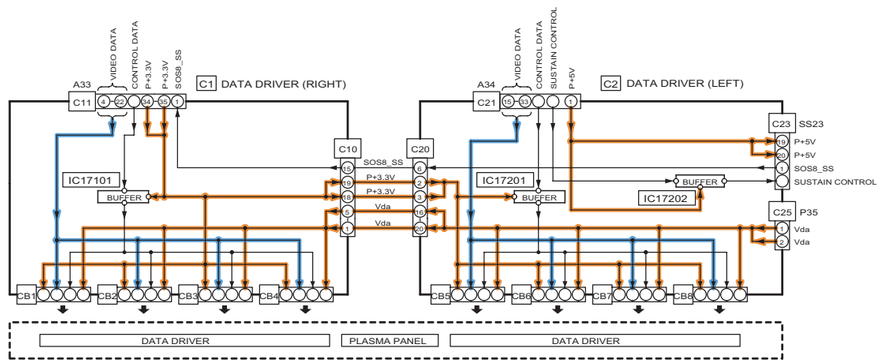


10.4. Block (3/4) Diagram



10.5. Block (4/4) Diagram





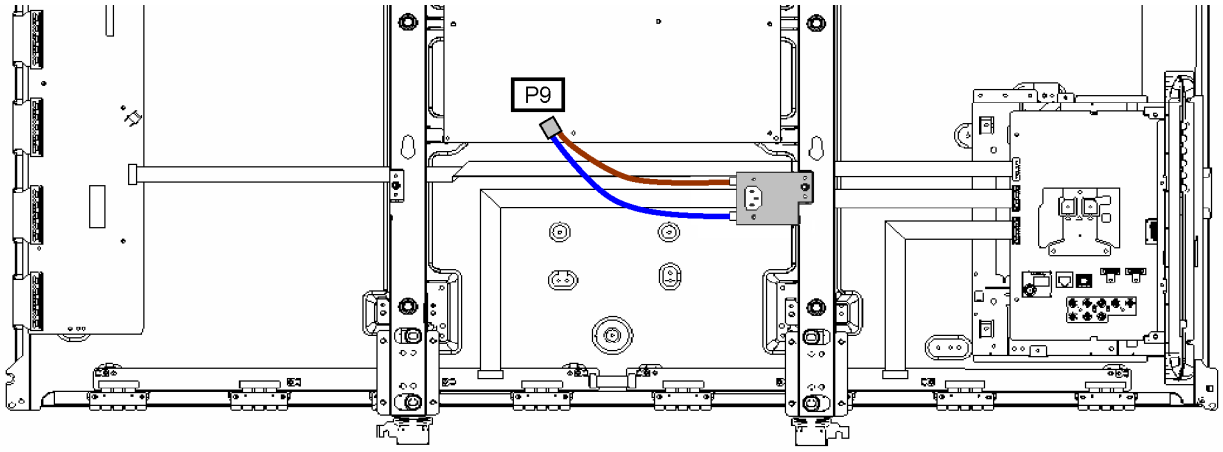
11 Wiring Connection Diagram

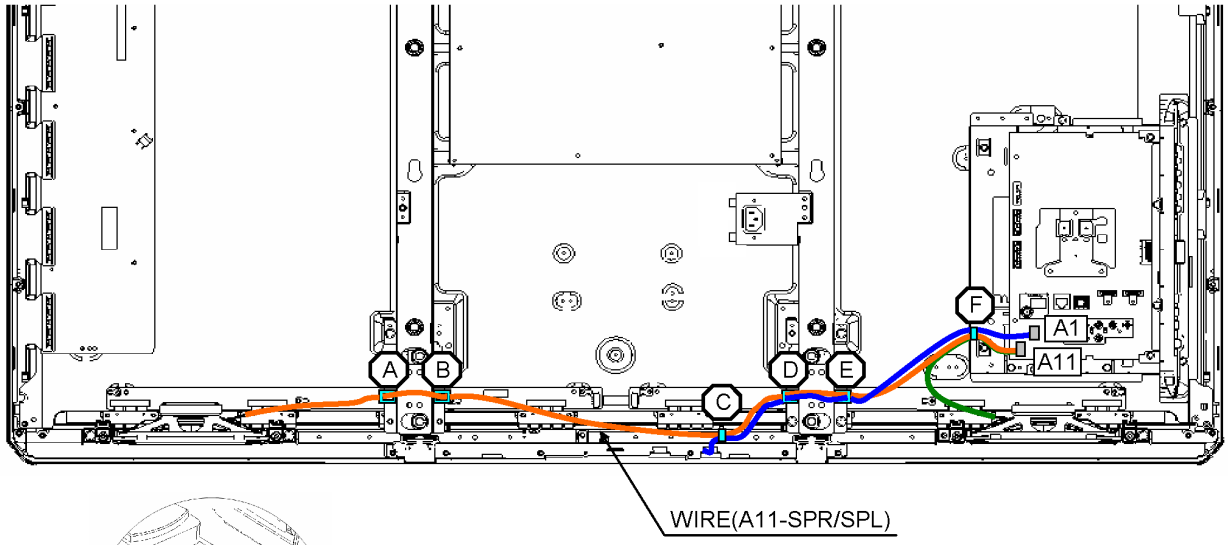
11.1. Caution statement.

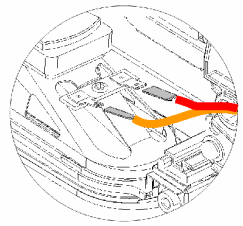
Caution:

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

11.2. Wiring (1)



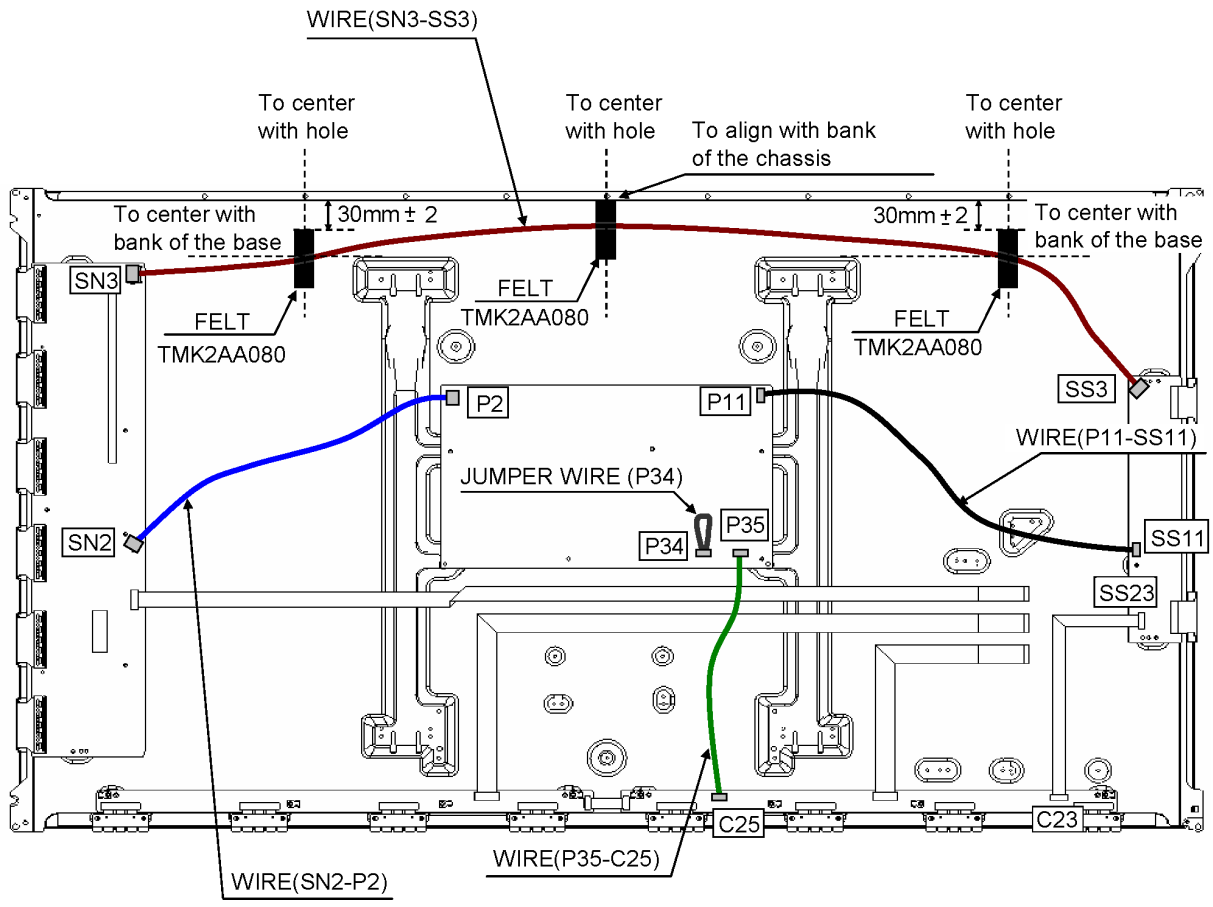




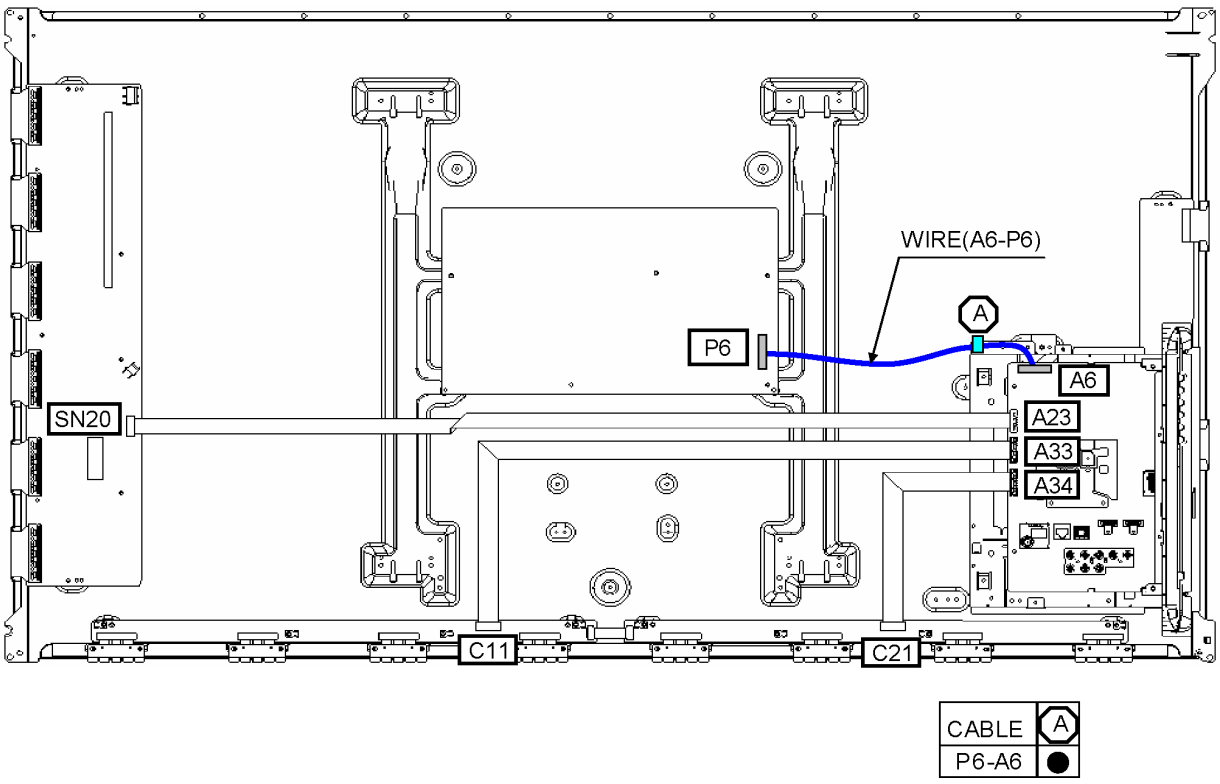
CABLES	CLAMPERS					
	A	B	C	D	E	F
A11 - SPR	●	●	●	●	●	●
A11 - SPL						●
K1 - A1			●	●	●	●

Note:
Insert the terminals of the cable in the contacts of each like it is indicated in the illustration

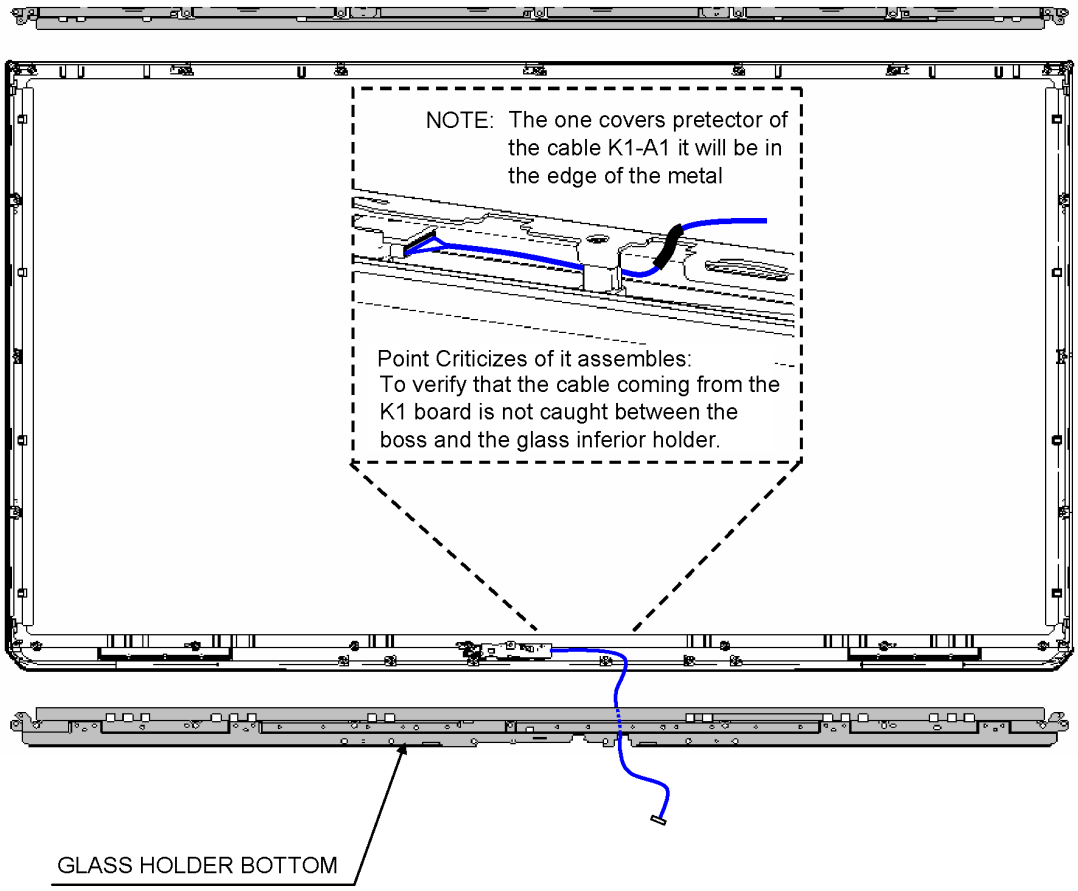
11.3. Wiring (2)



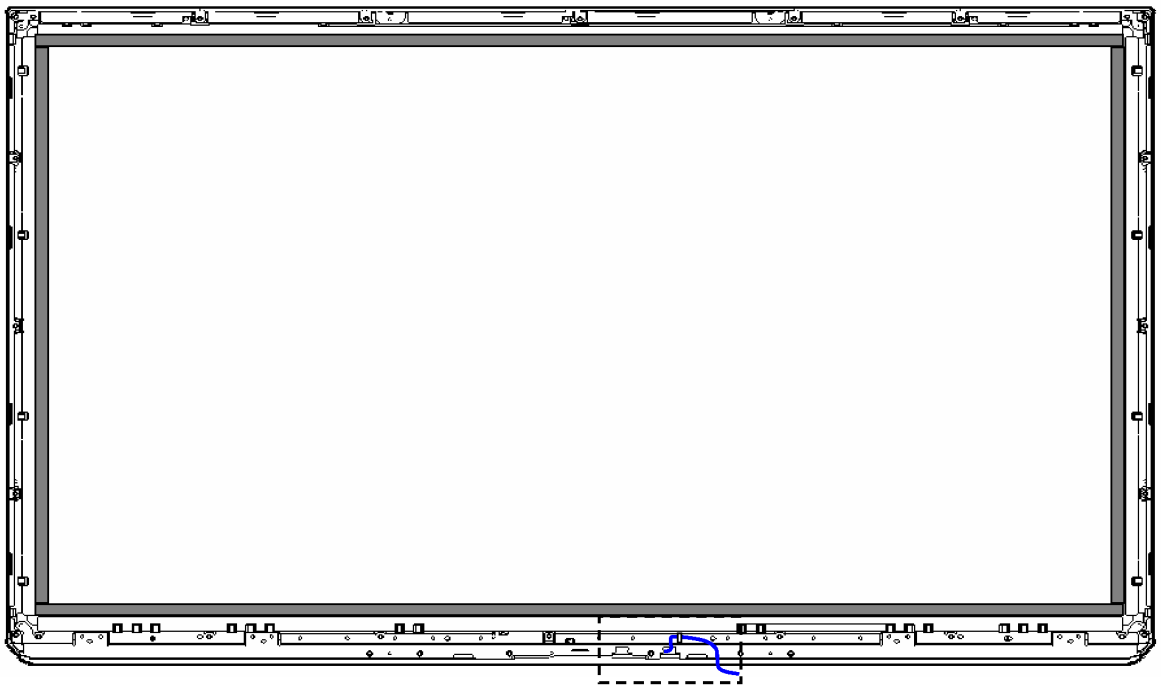
11.4. Wiring (3)



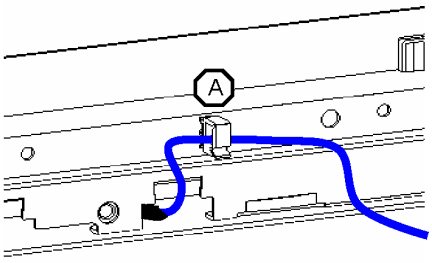
11.5. Wiring (4)


NOTE: The one covers pretector of the cable K1-A1 it will be in the edge of the metal
Point Criticizes of it assembles:
To verify that the cable coming from the K1 board is not caught between the boss and the glass inferior holder.
GLASS HOLDER BOTTOM

11.6. Wiring (5)



CABLE K1-A1



NOTE: The one covers pretector of the cable K1-A1
it will be in the edge of the metal

CABLE	A
K1 - A1	●

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-P50X3 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

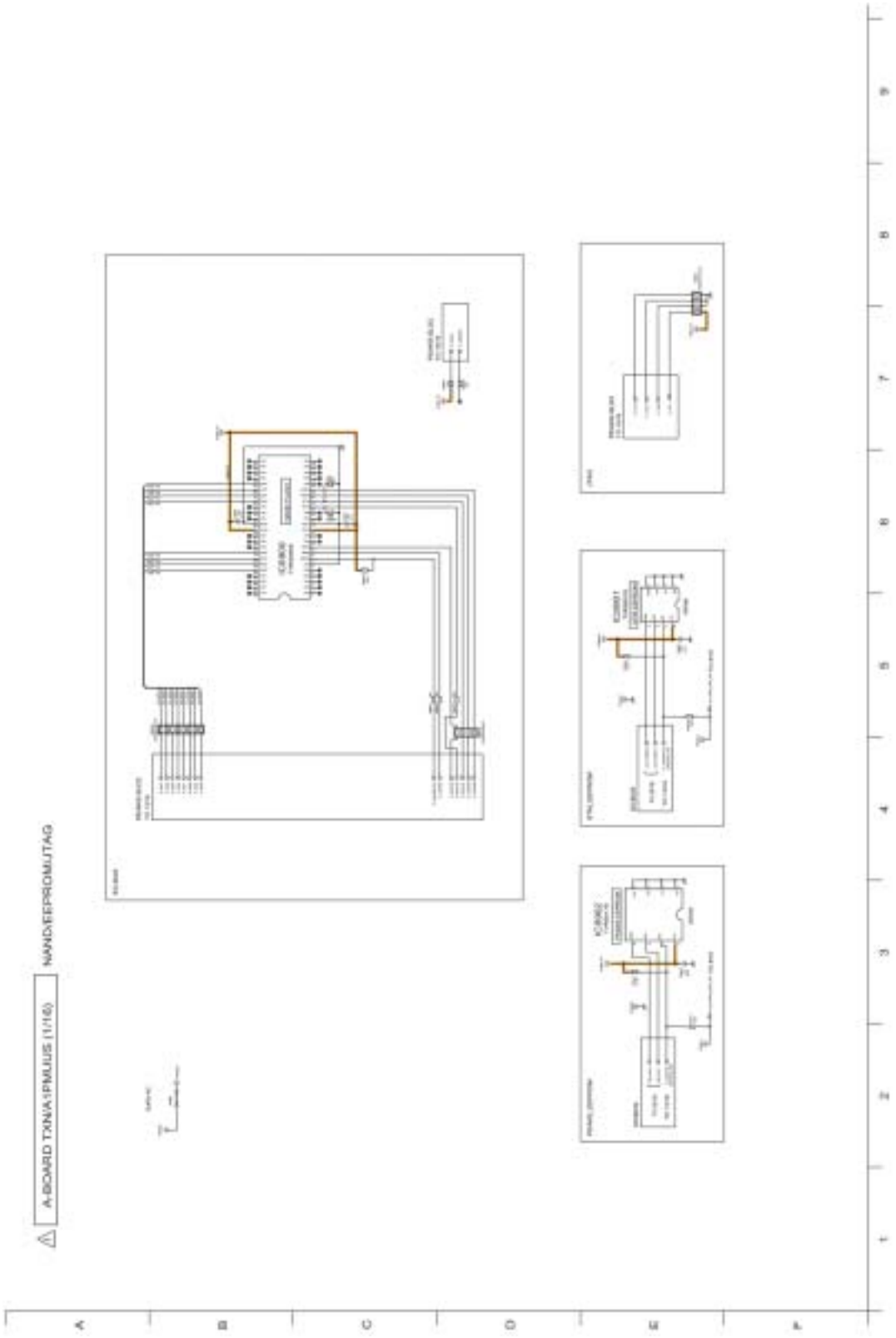
Example:

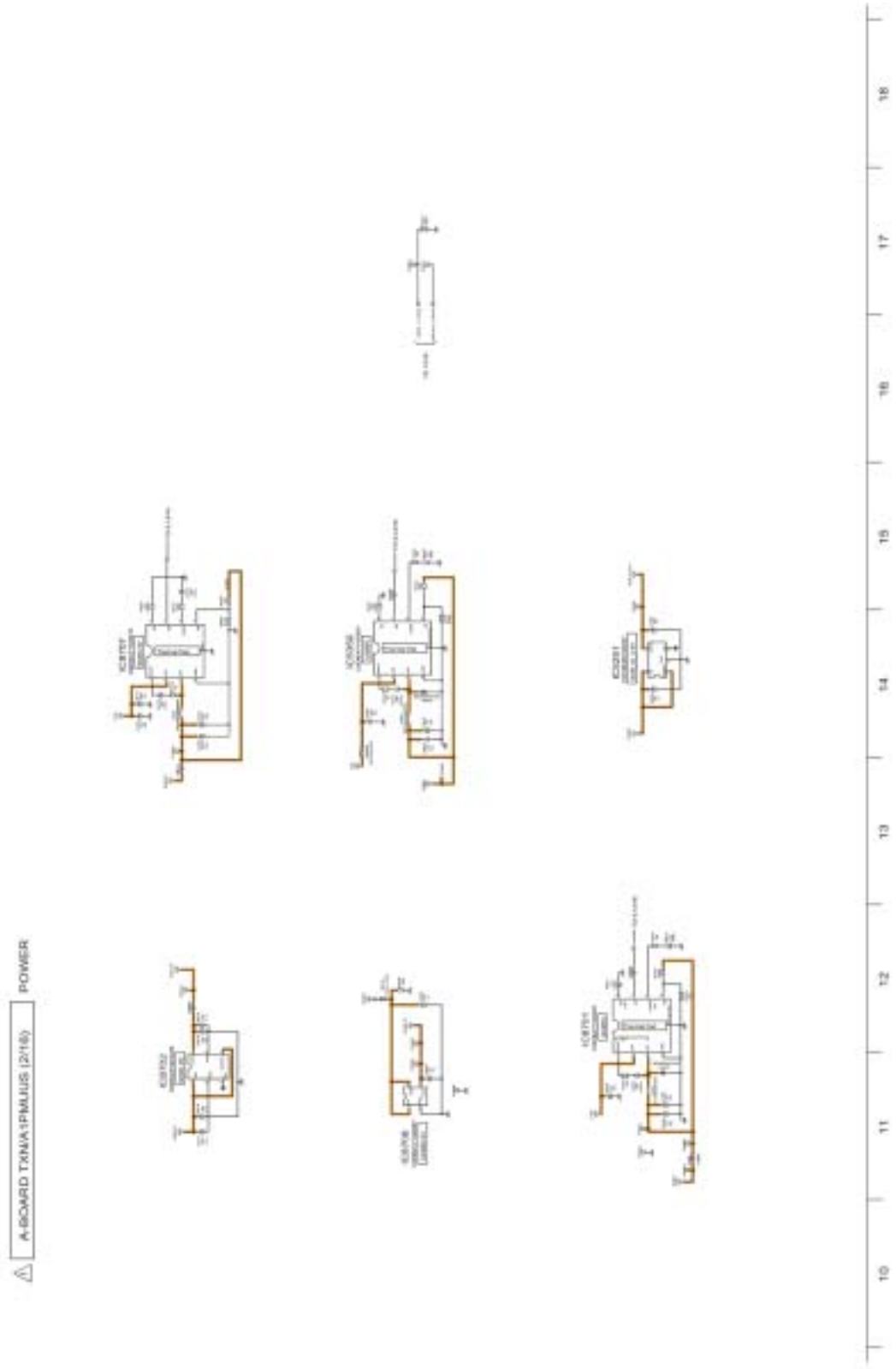
ECKF1H103ZF C 0.01UF, Z, 50V
Type Allowance

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%

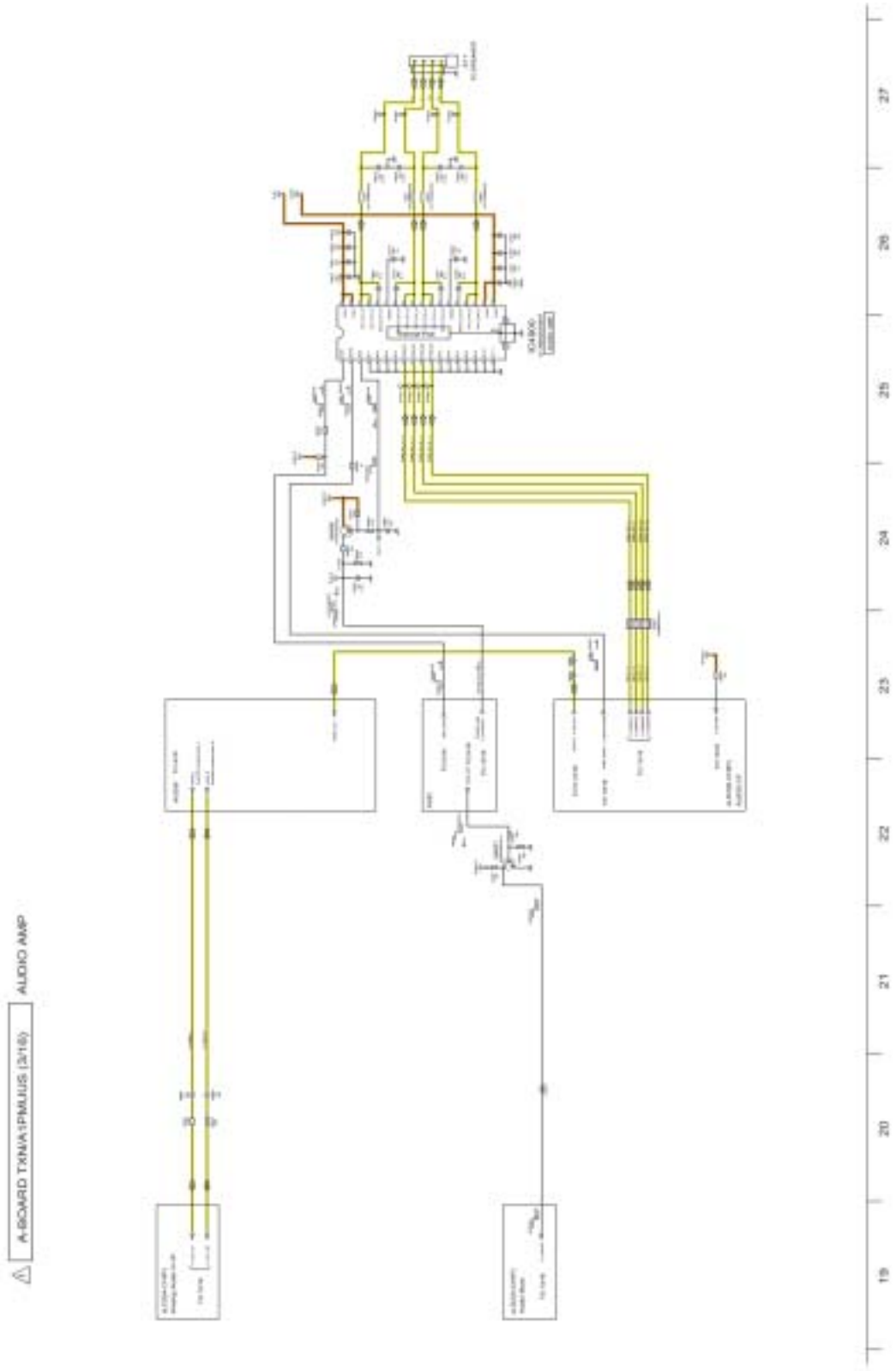
Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester Polypropylene	F : ±1pF
	G : ±3pF
	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

Model No. : TC-P50X3 A-Board (1/16)

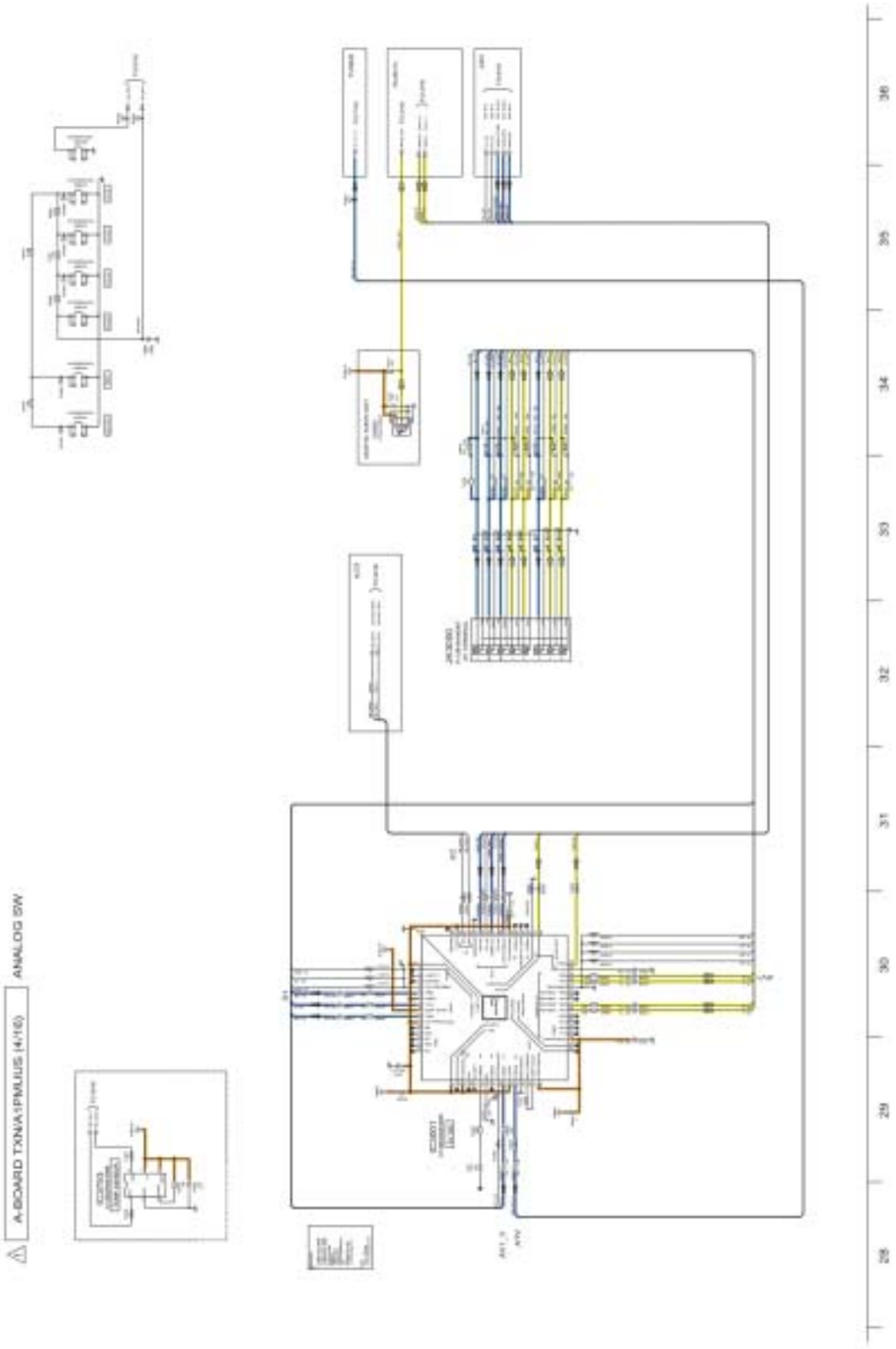



A-BOARD TXNA1PMUUS (2/16) POWER

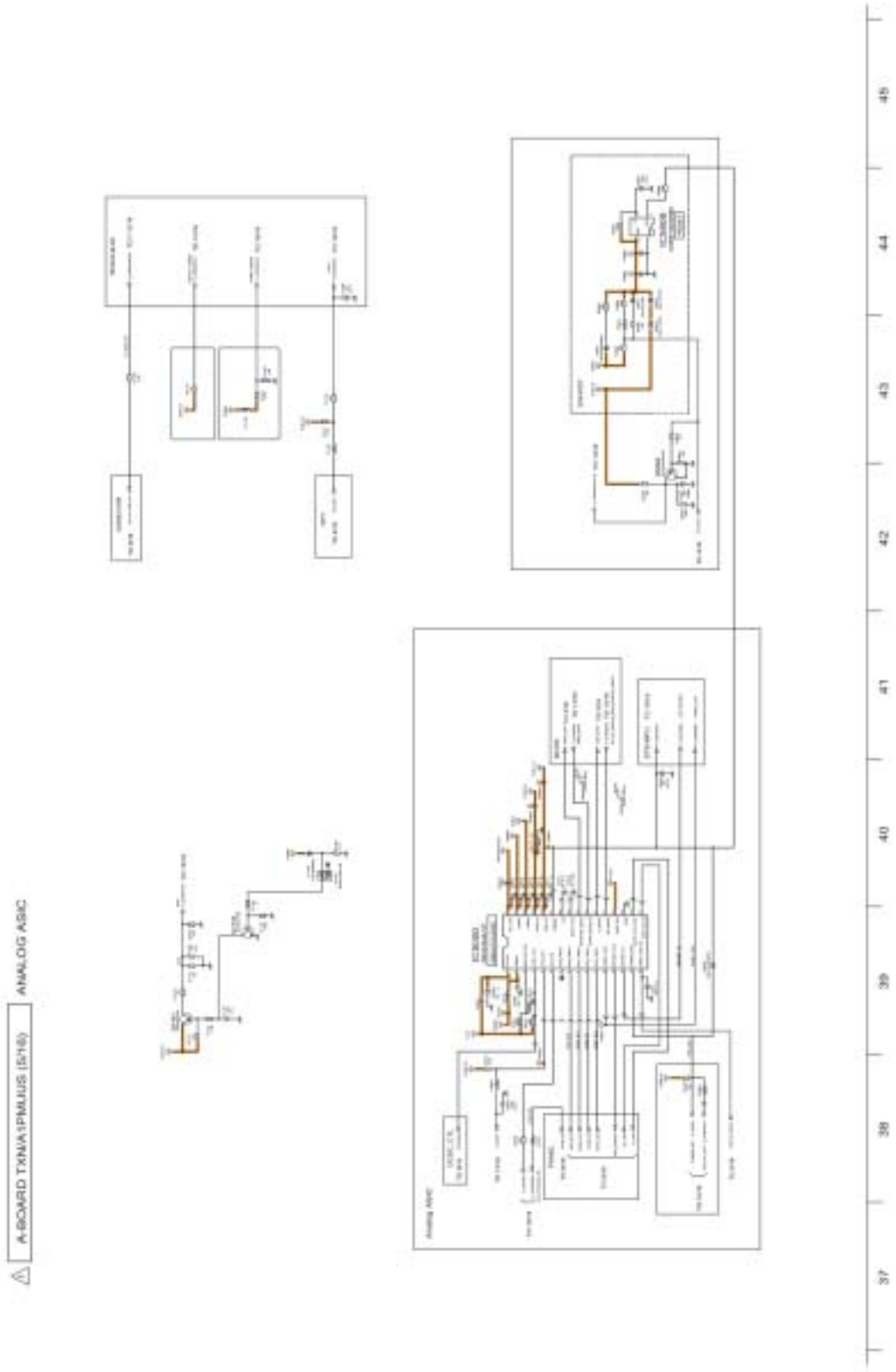
Model No. : TC-P50X3 A-Board (3/16)



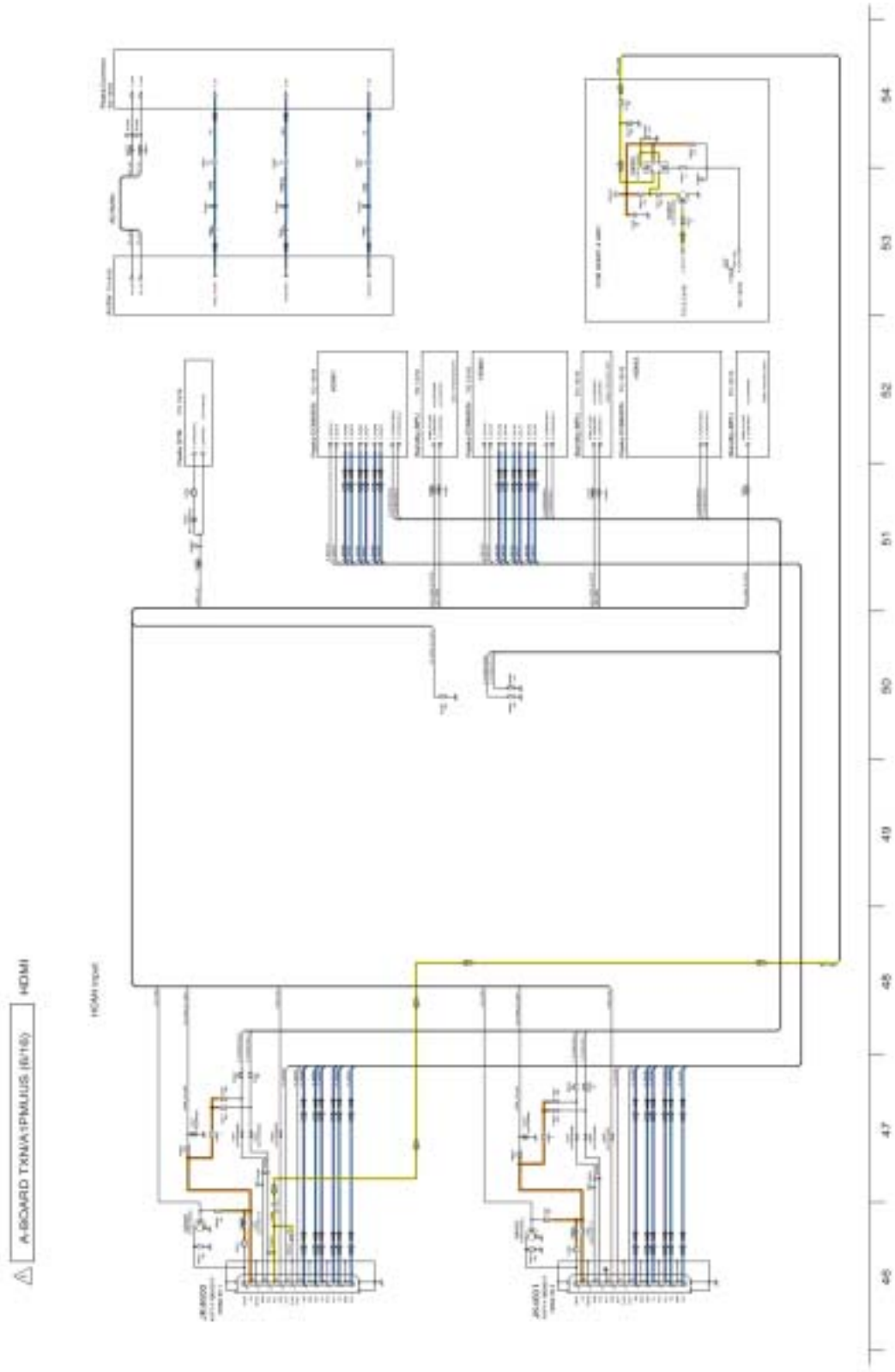
Model No. : TC-P50X3 A-Board (4/16)



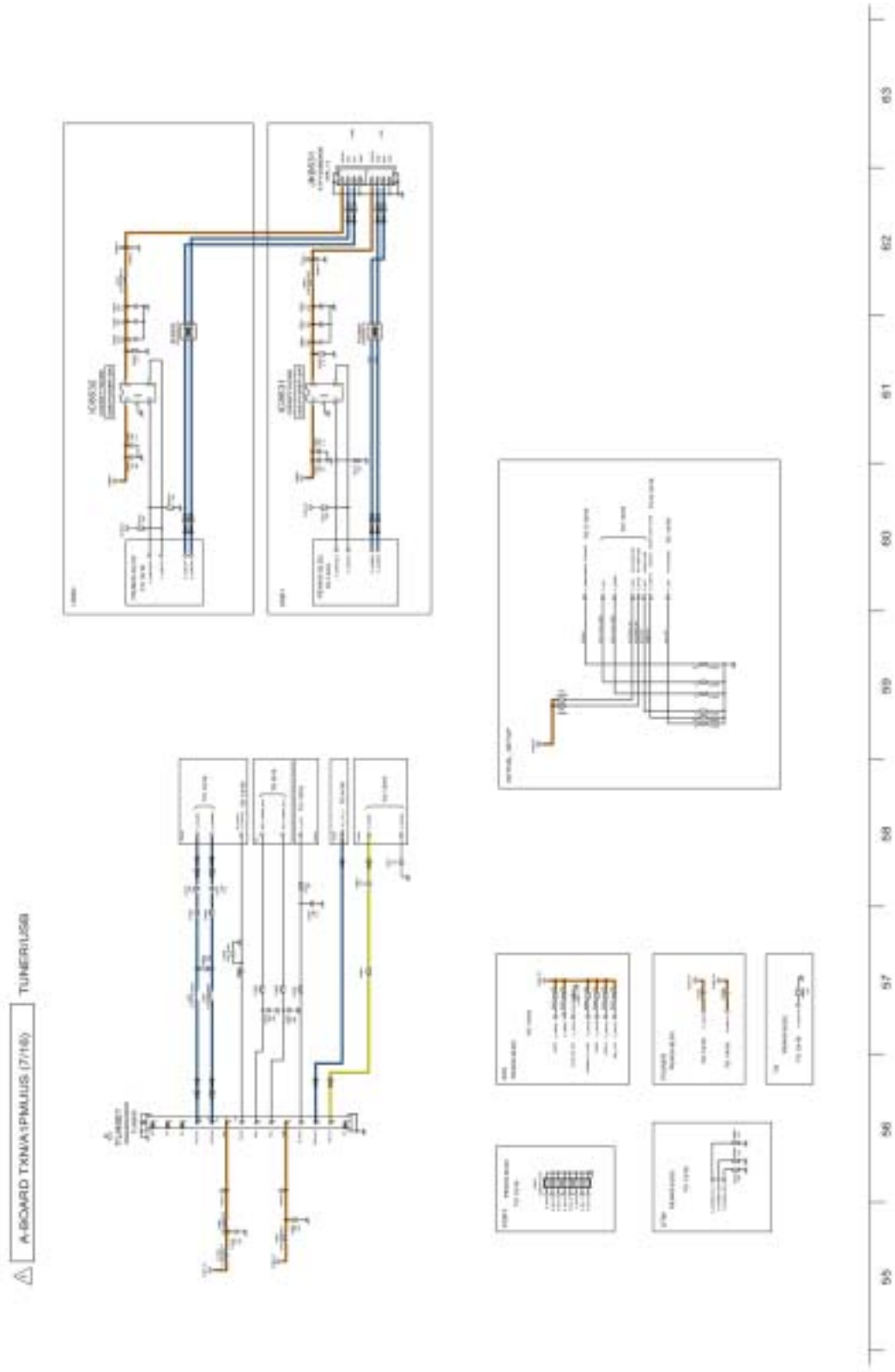
Model No. : TC-P50X3 A-Board (5/16)



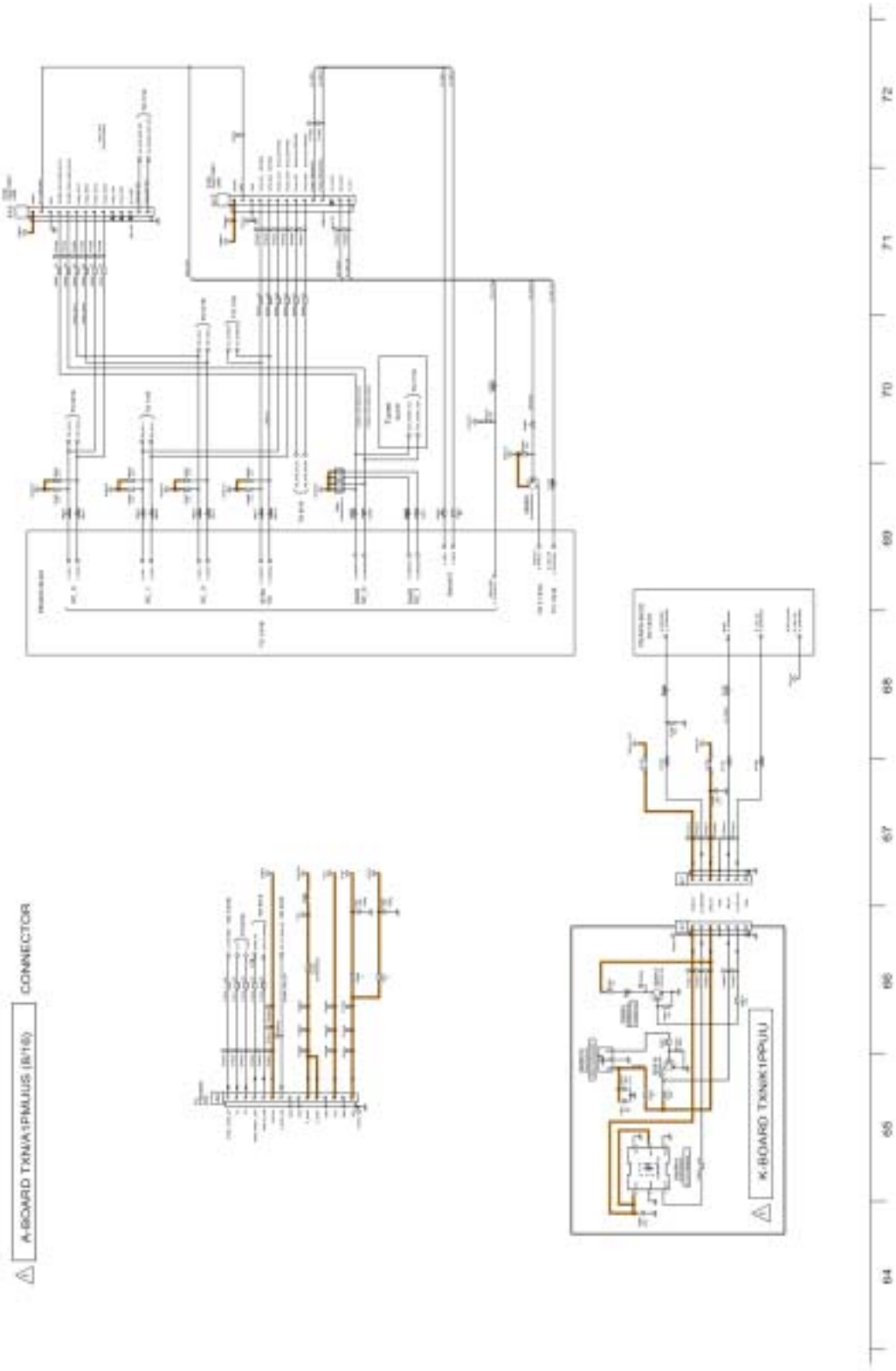
Model No. : TC-P50X3 A-Board (6/16)



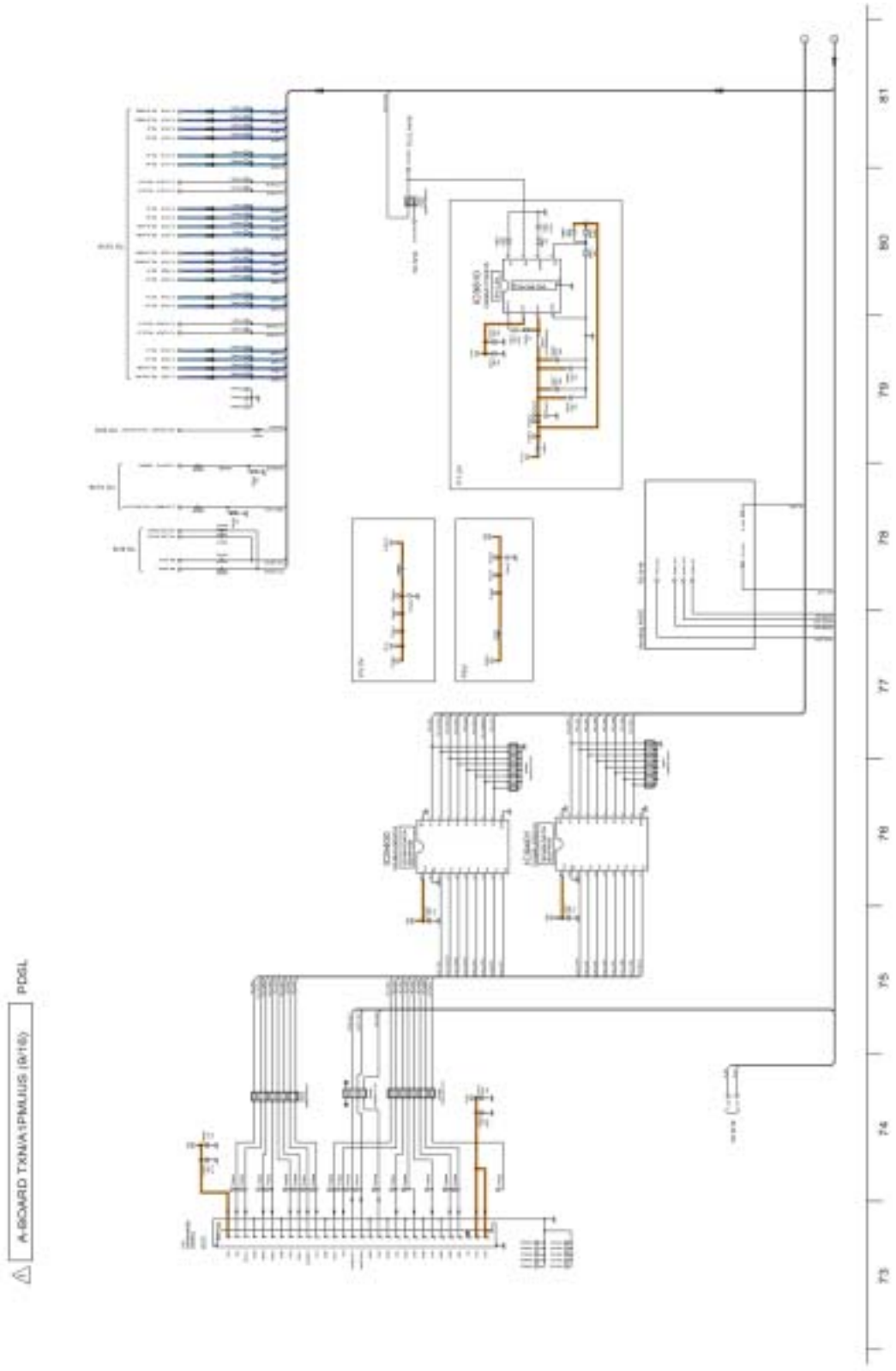
Model No. : TC-P50X3 A-Board (7/16)



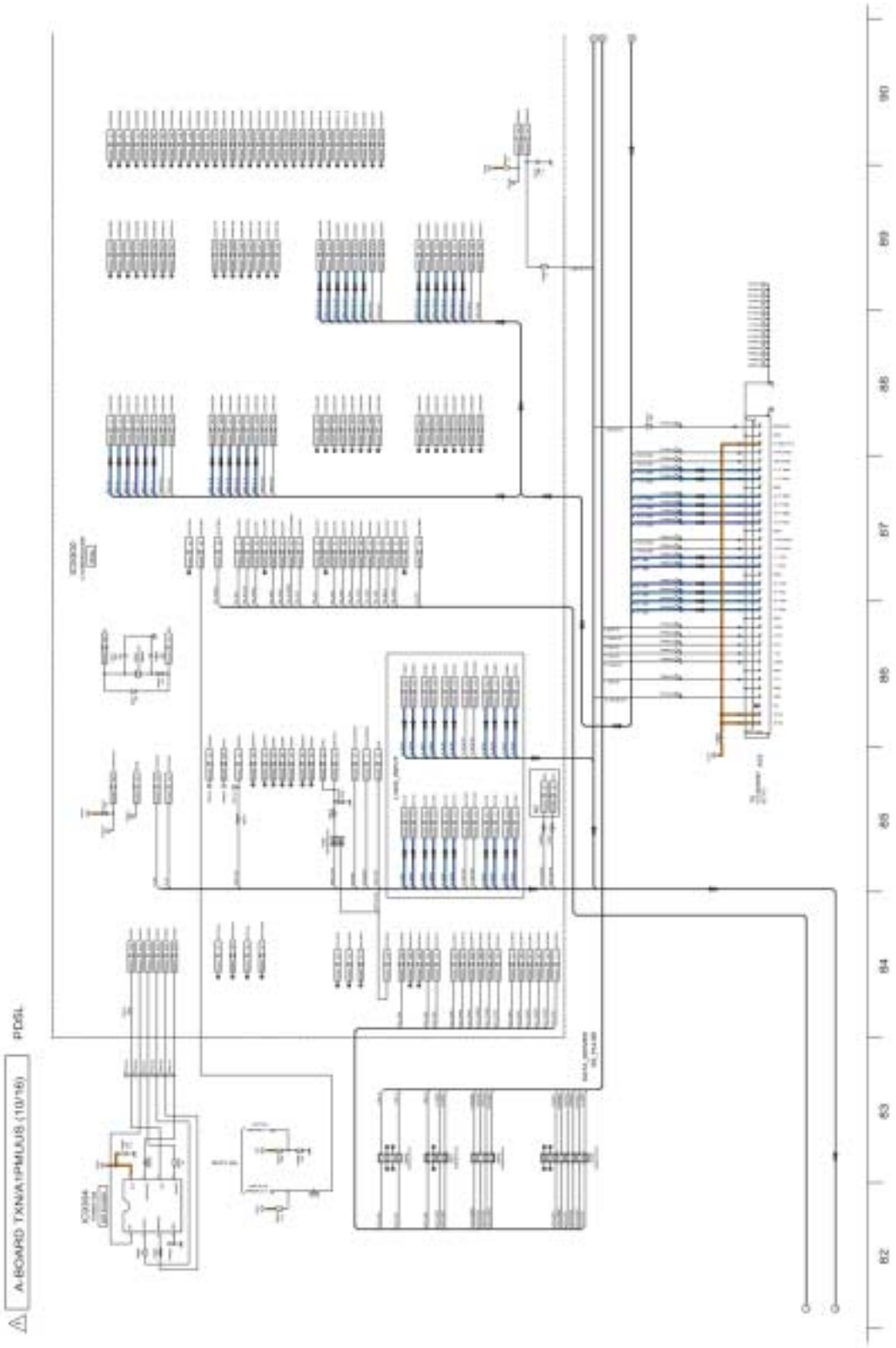
Model No. : TC-P50X3 A-Board (8/16) and K-Board

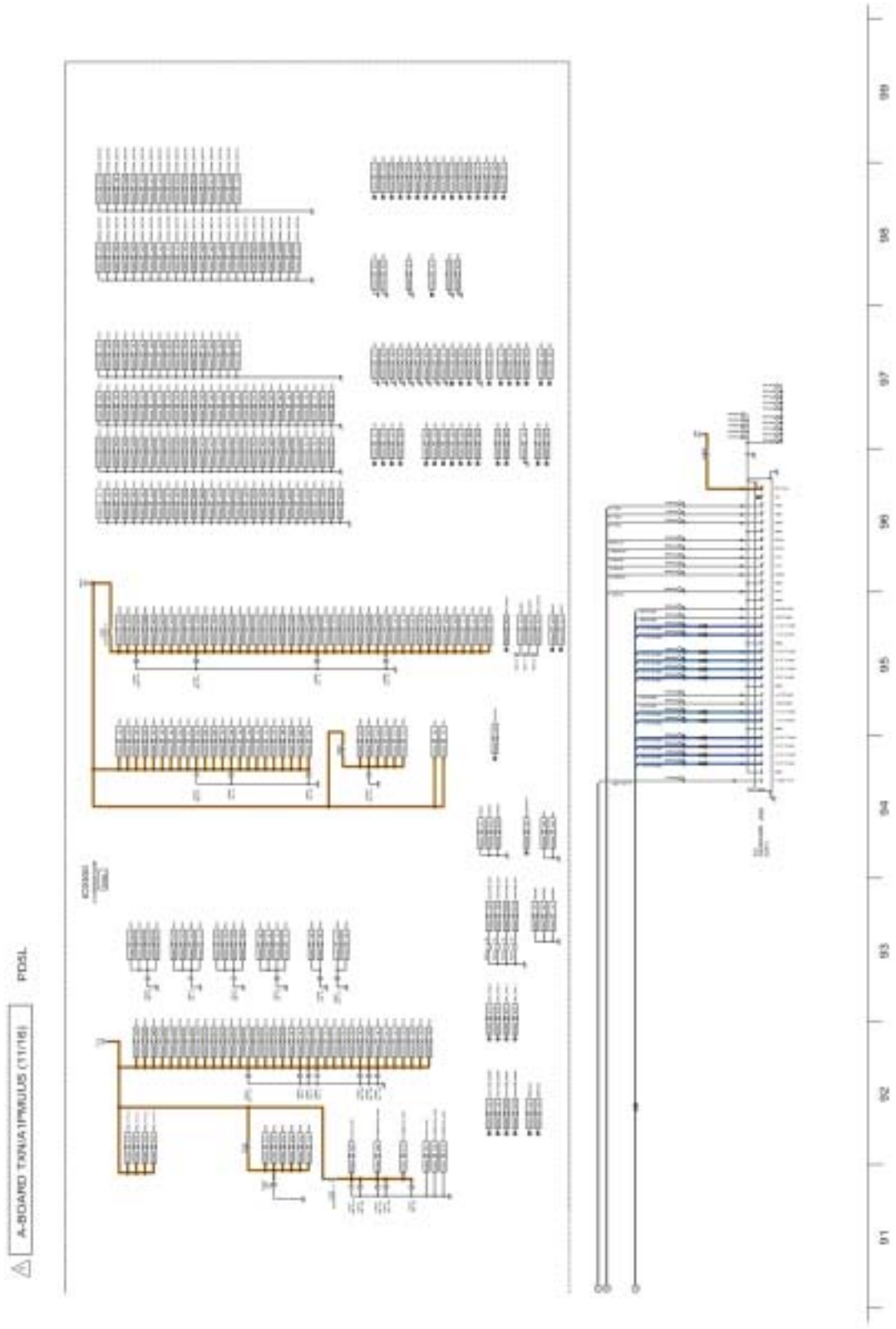


Model No. : TC-P50X3 A-Board (9/16)

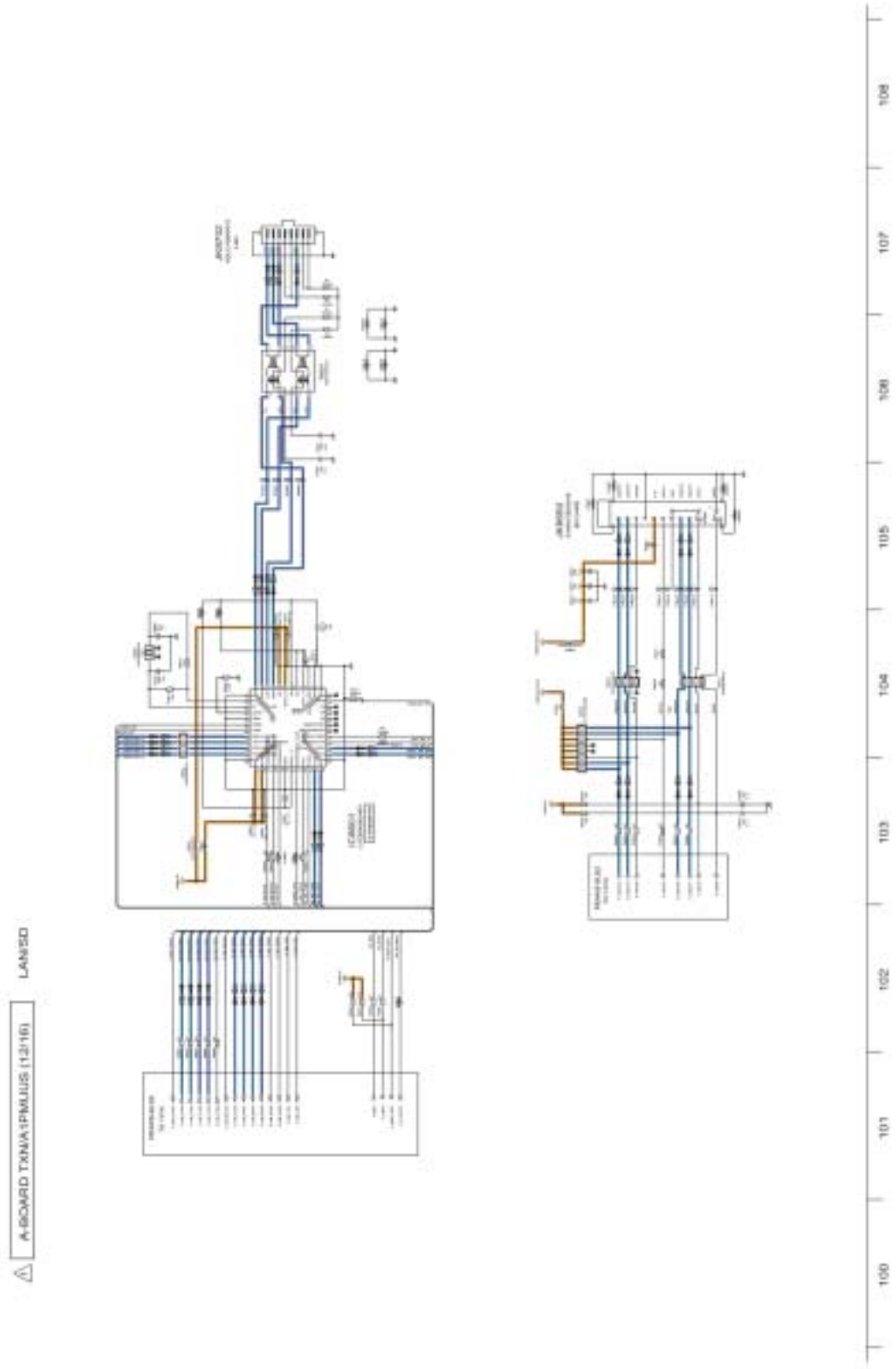


Model No. : TC-P50X3 A-Board (10/16)




A-BOARD TXNA1PMUUS (11/16)
PDSL

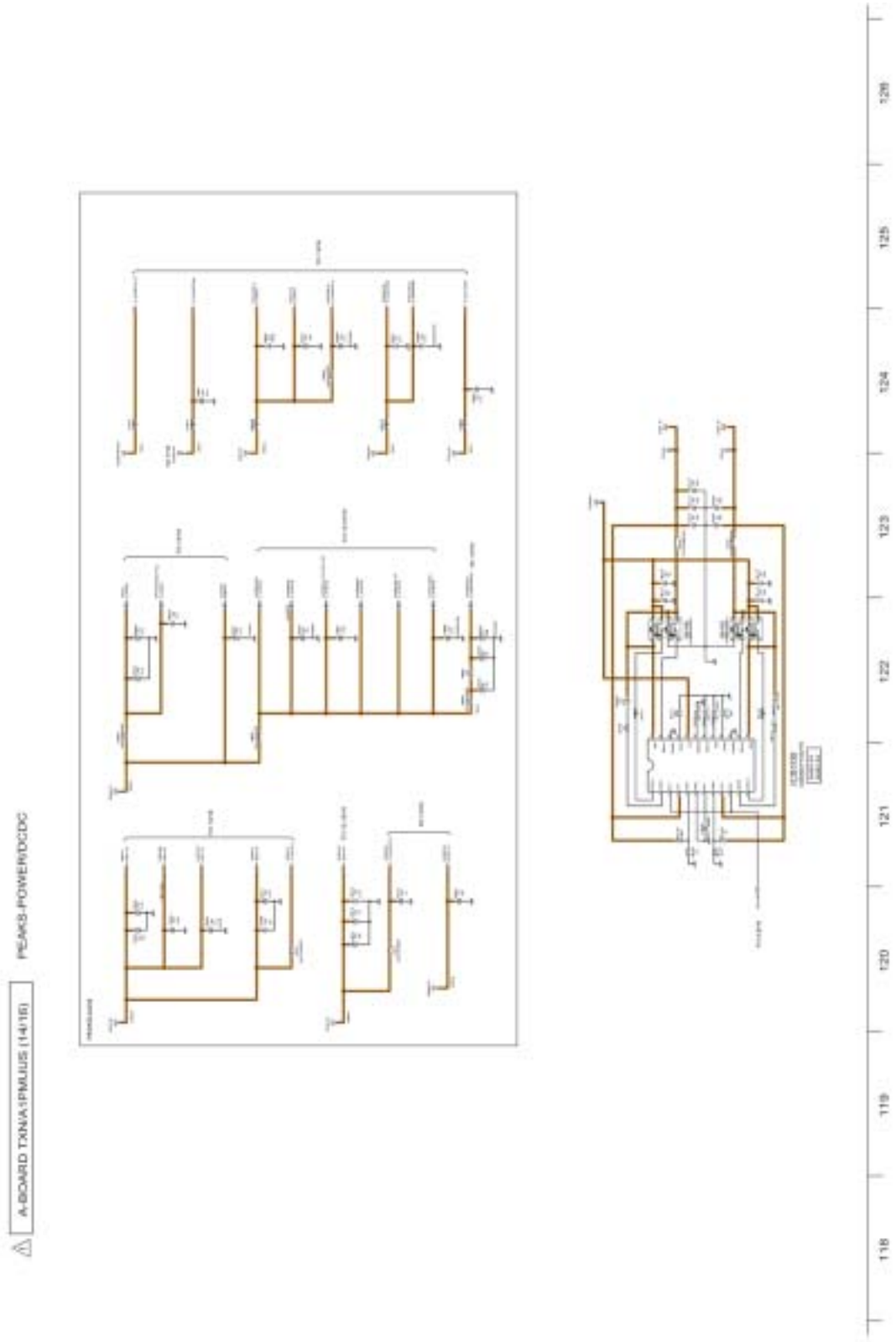
Model No. : TC-P50X3 A-Board (12/16)



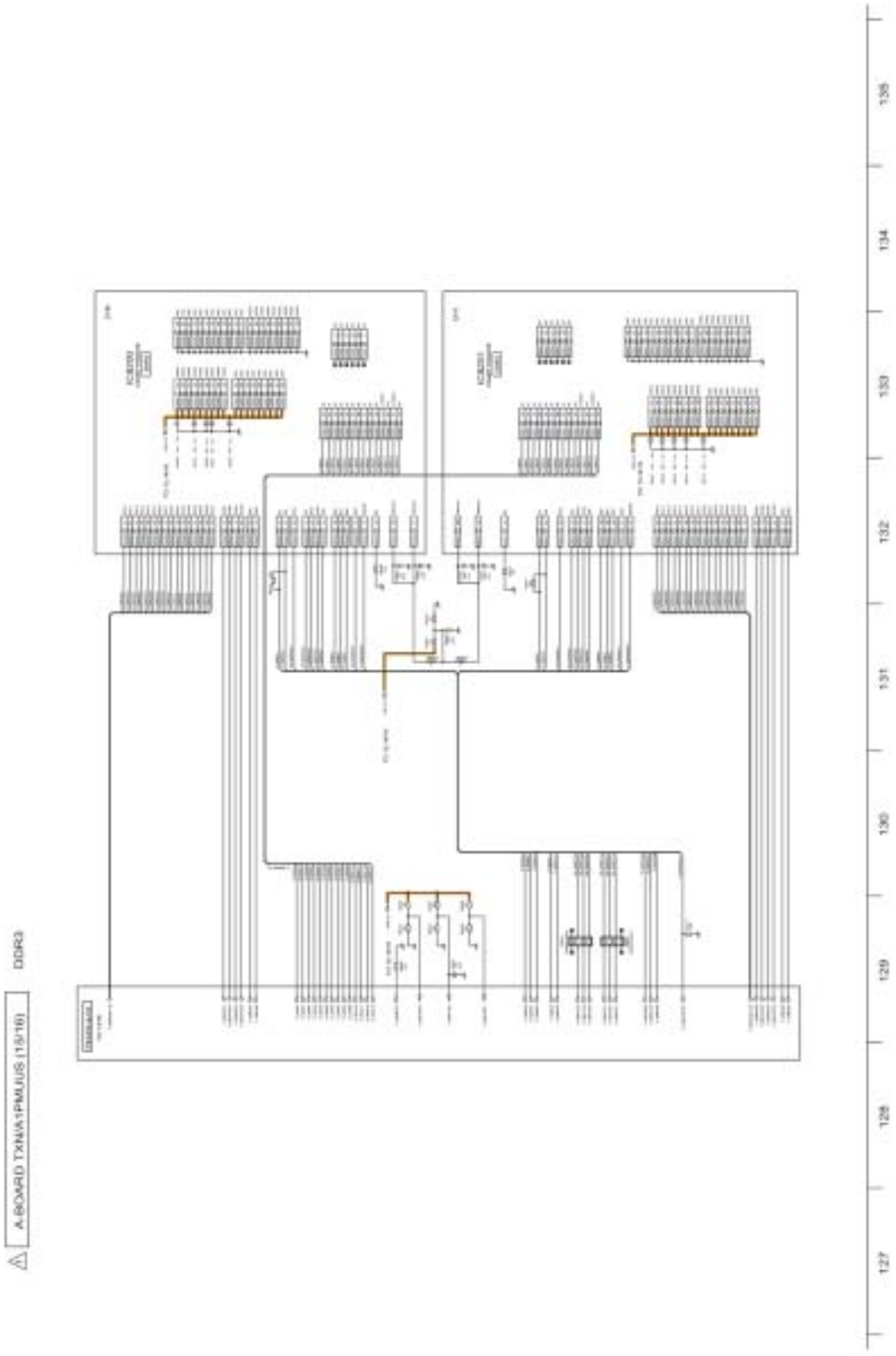
Model No. : TC-P50X3 A-Board (13/16)



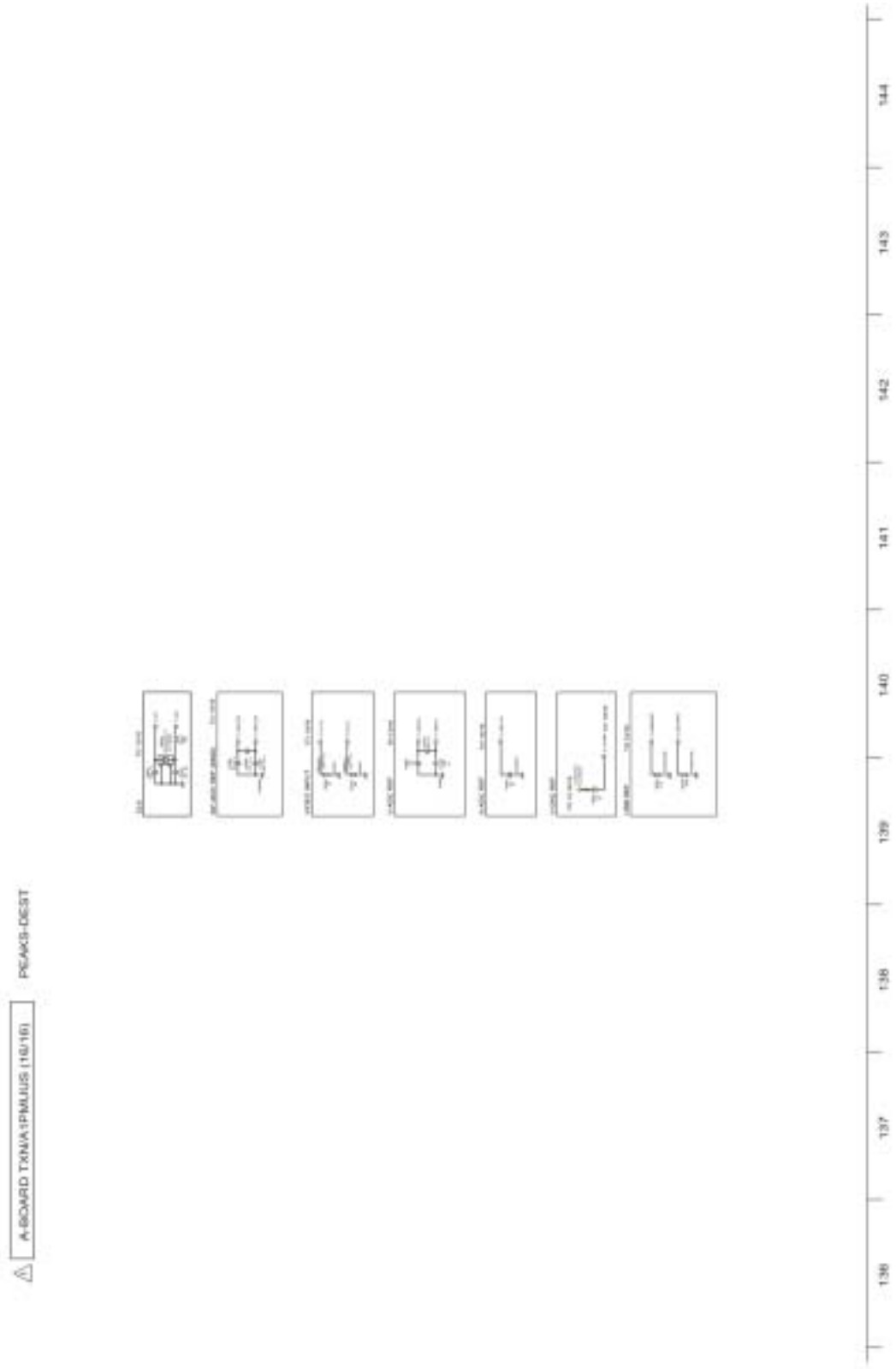
Model No. : TC-P50X3 A-Board (14/16)

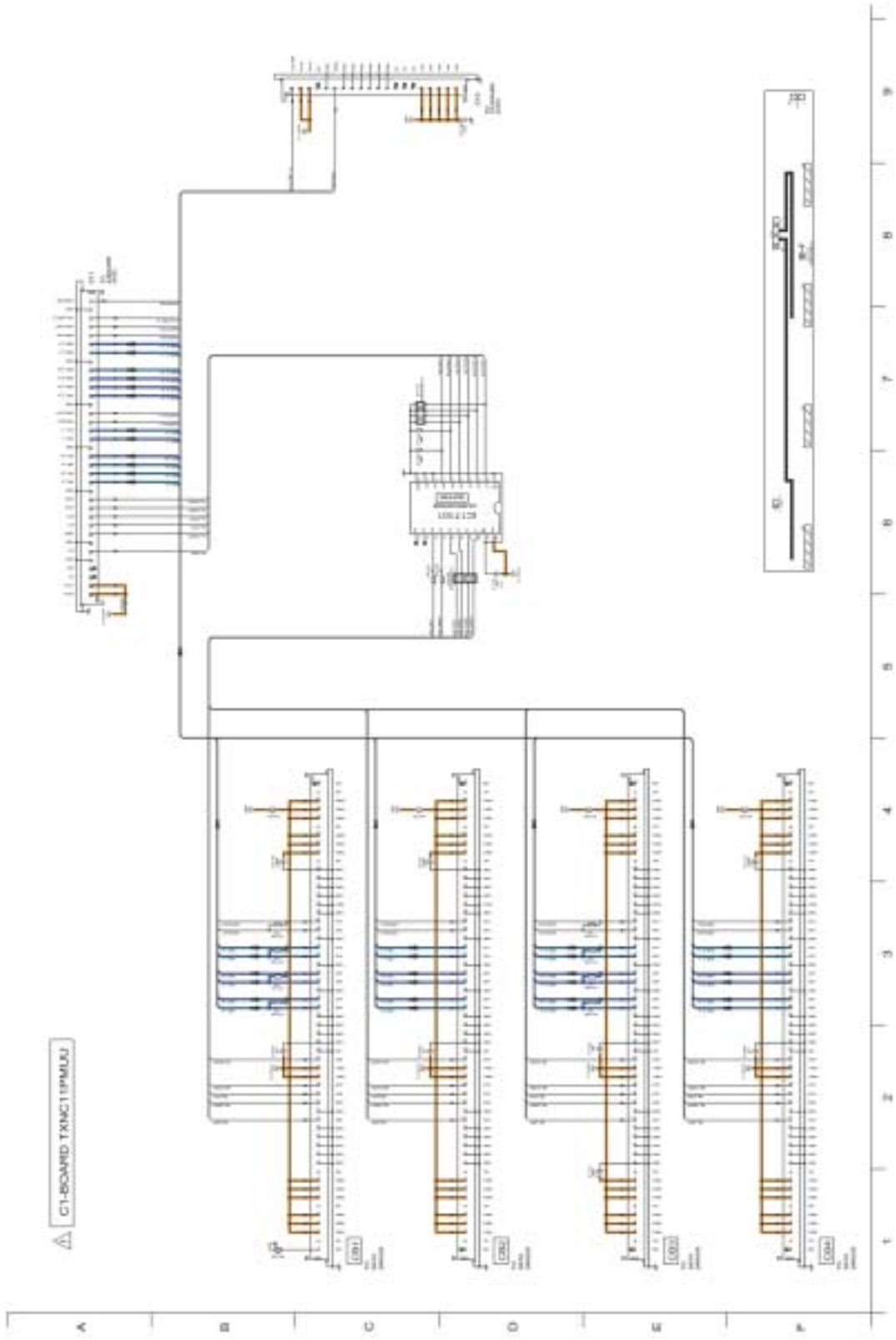


Model No. : TC-P50X3 A-Board (15/16)

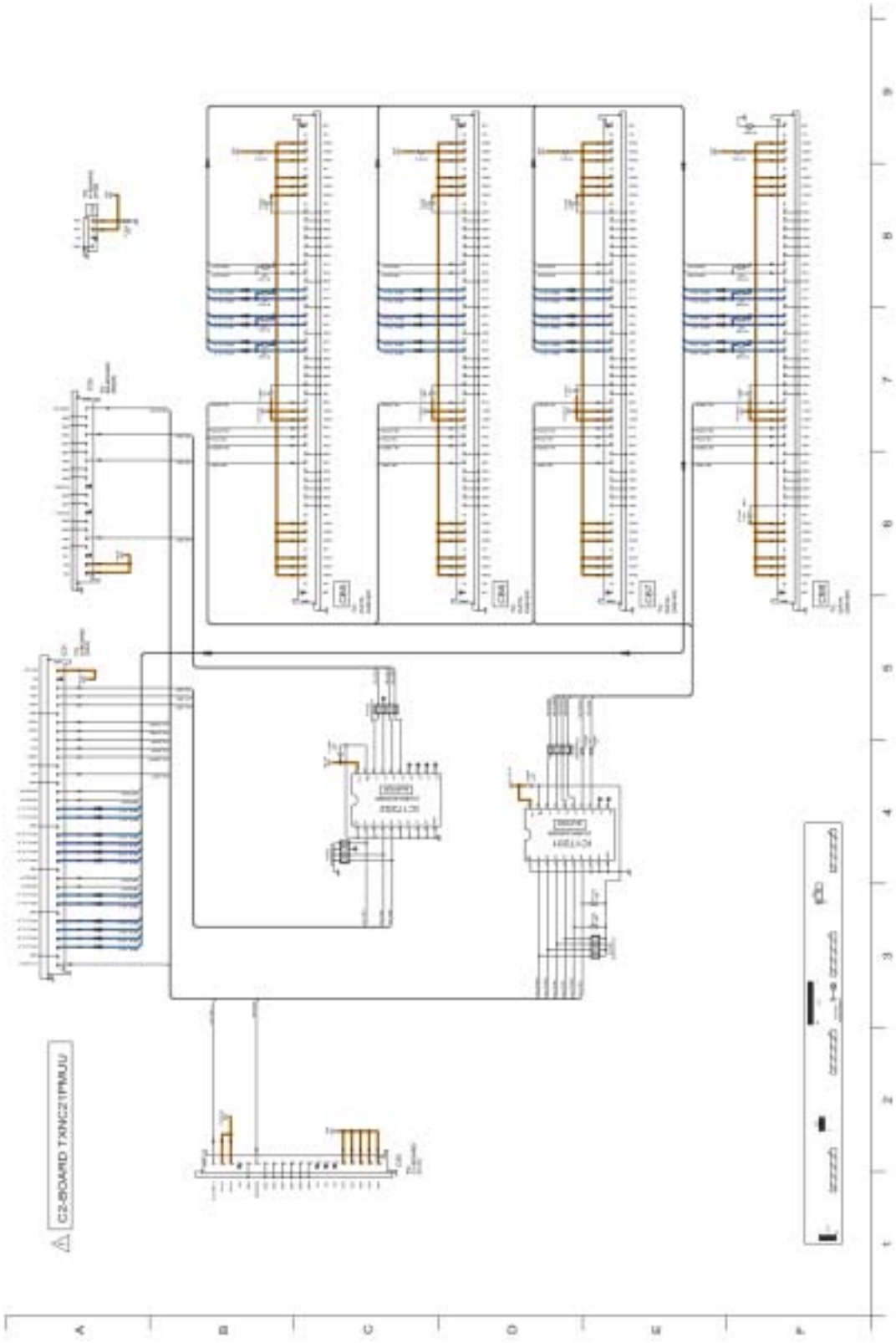


Model No. : TC-P50X3 A-Board (16/16)

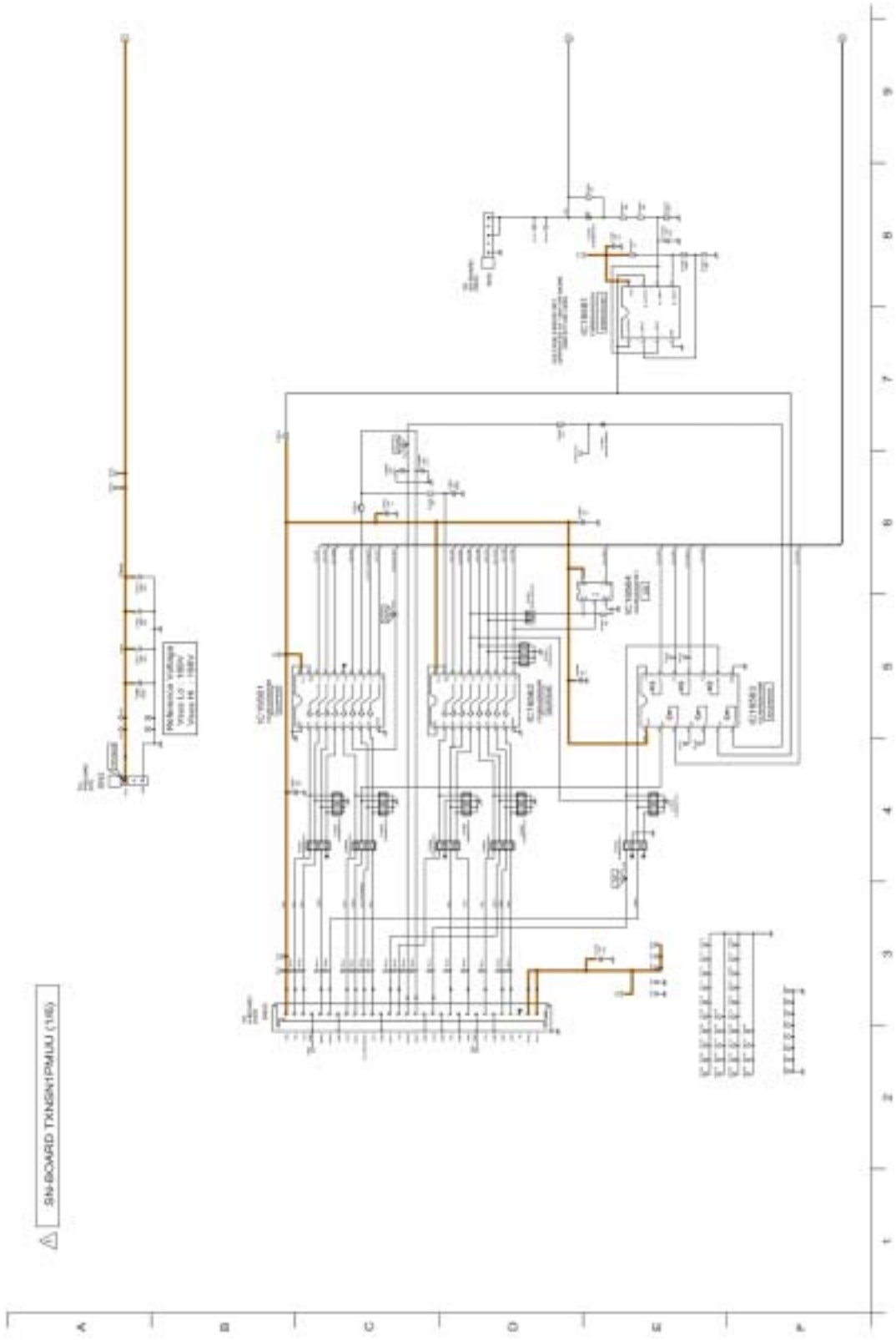



C1-BOARD TXNC11PMUU

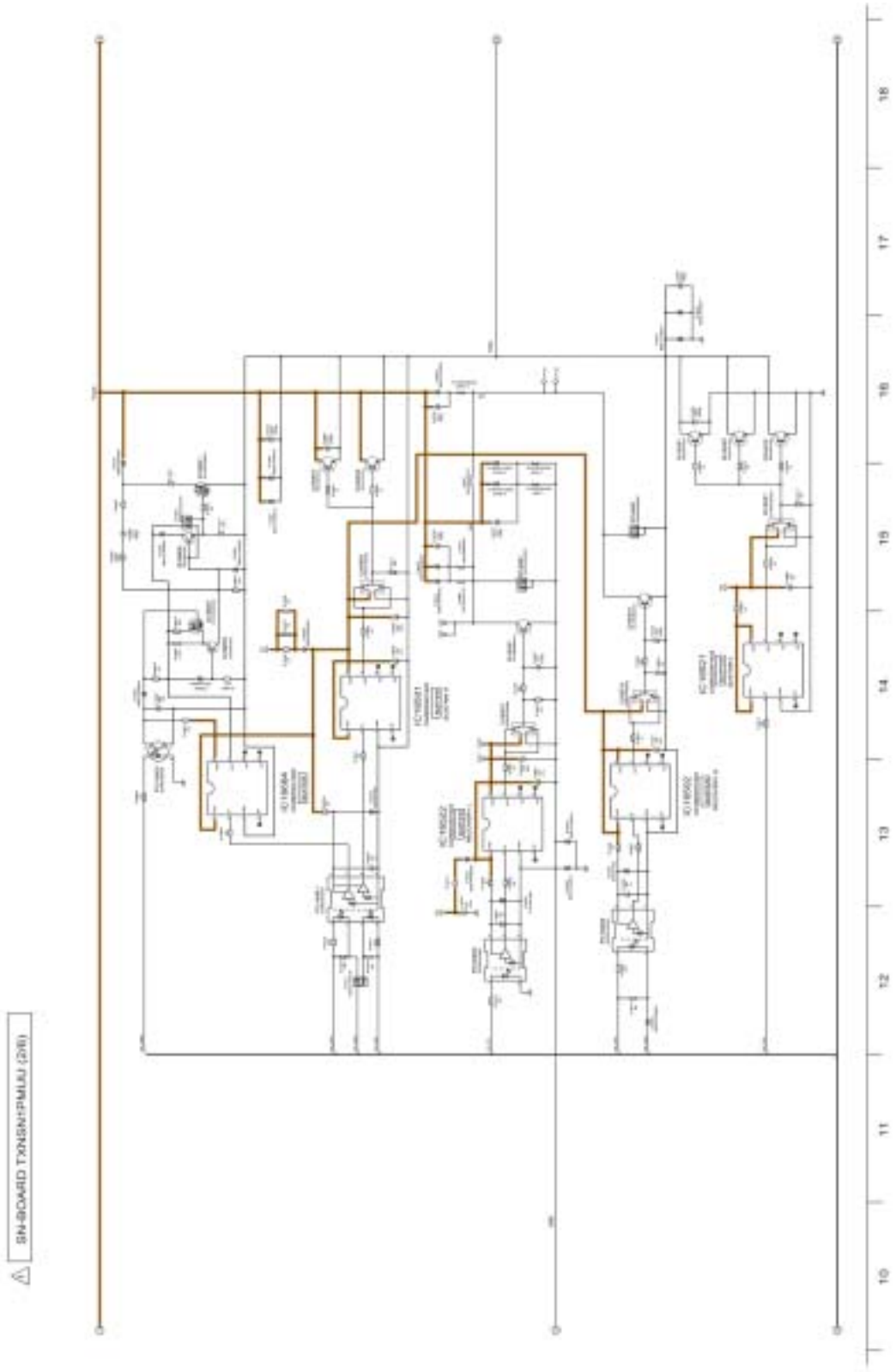
Model No. : TC-P50X3 C2-Board



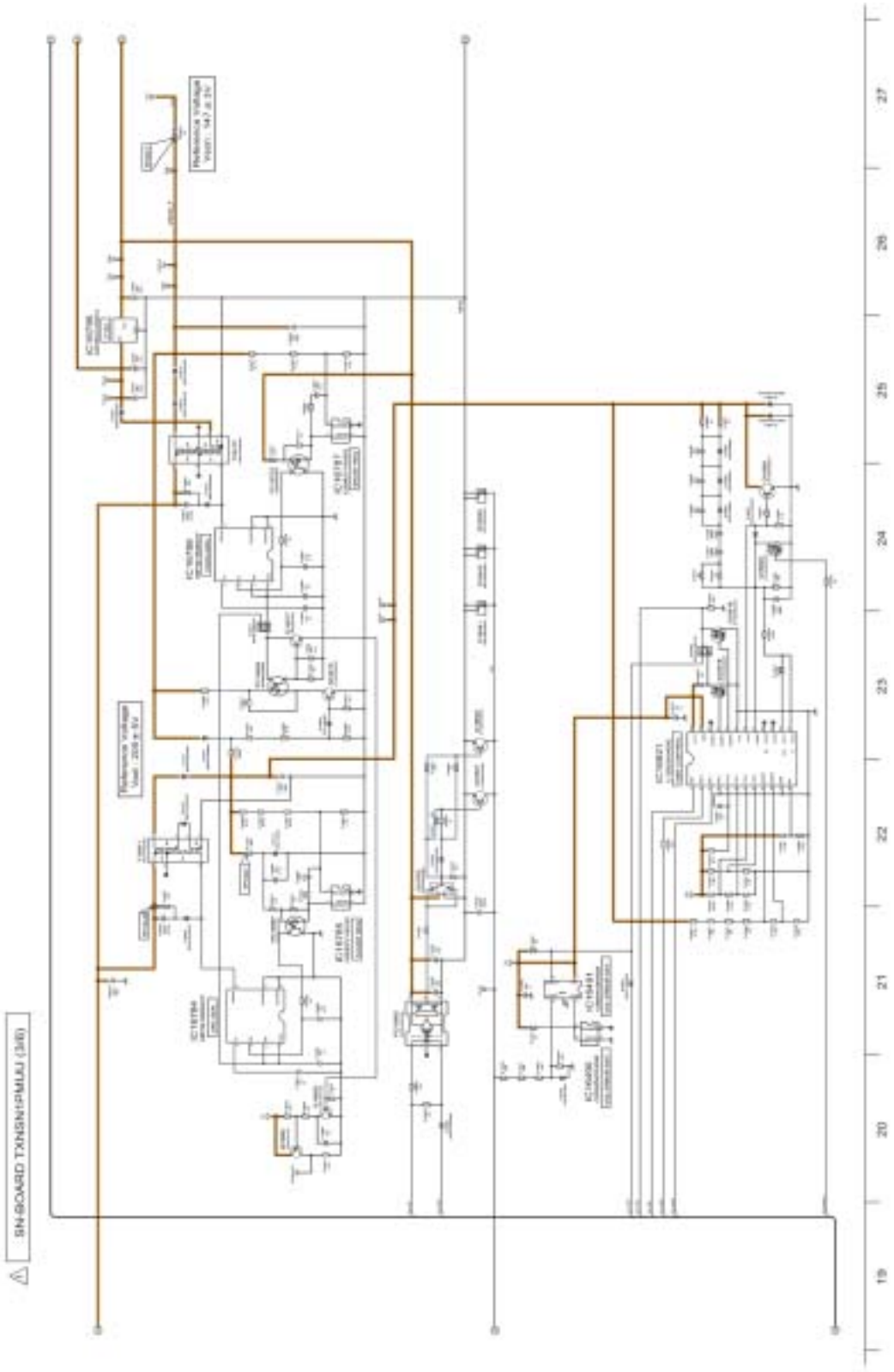
Model No. : TC-P50X3 SN-Board (1/6)



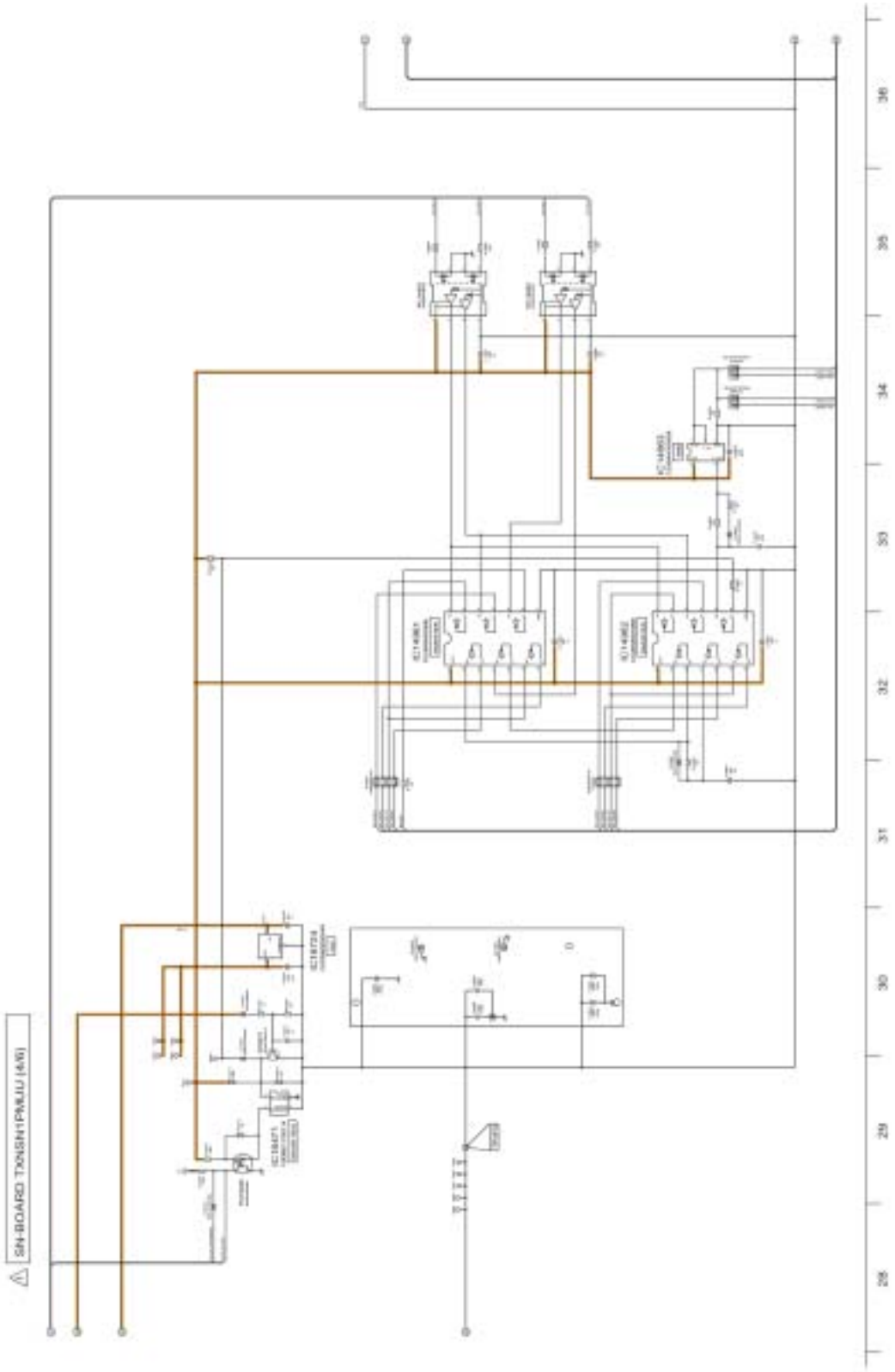
Model No. : TC-P50X3 SN-Board (2/6)



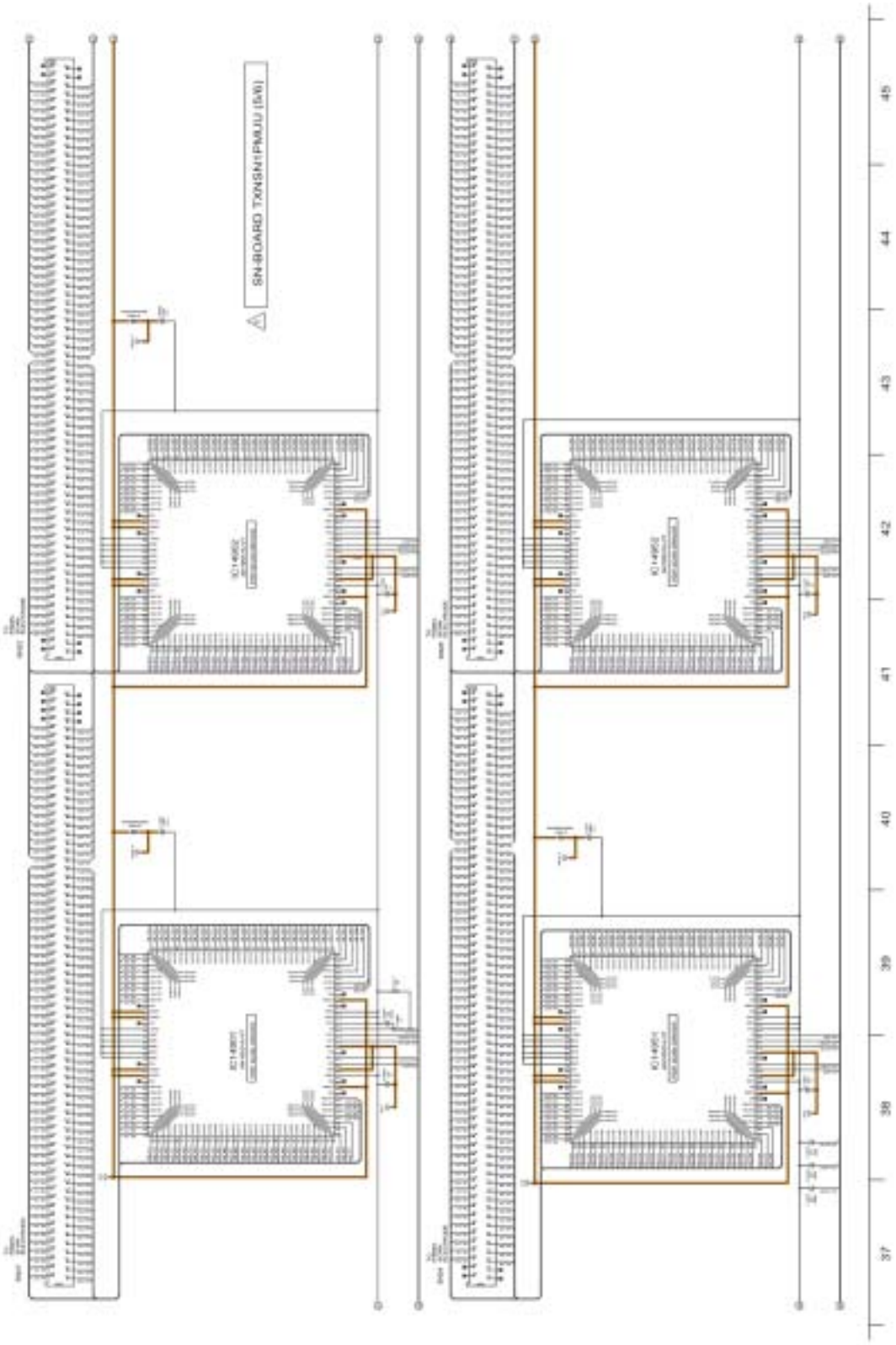
Model No. : TC-P50X3 SN-Board (3/6)



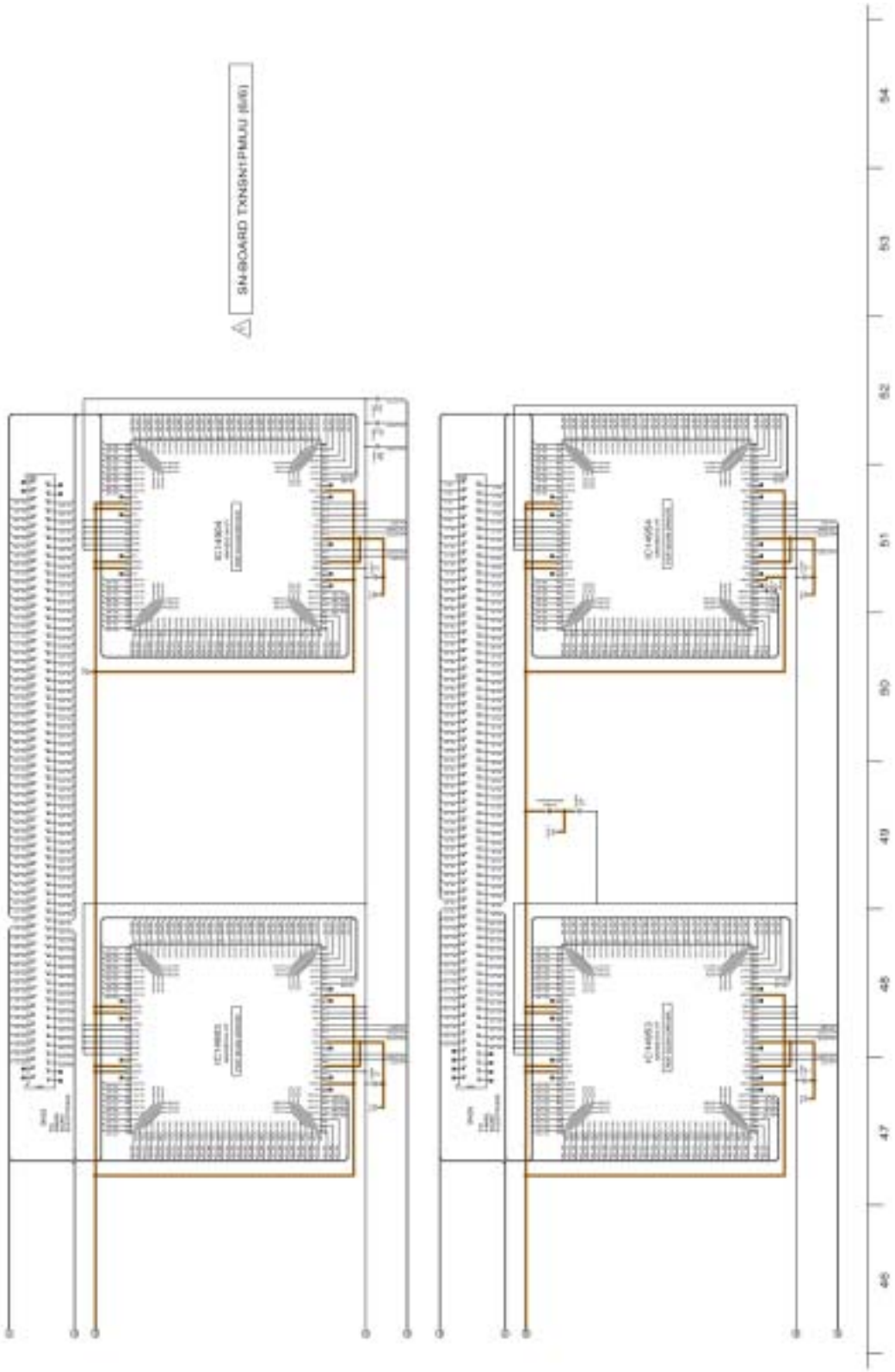
Model No. : TC-P50X3 SN-Board (4/6)



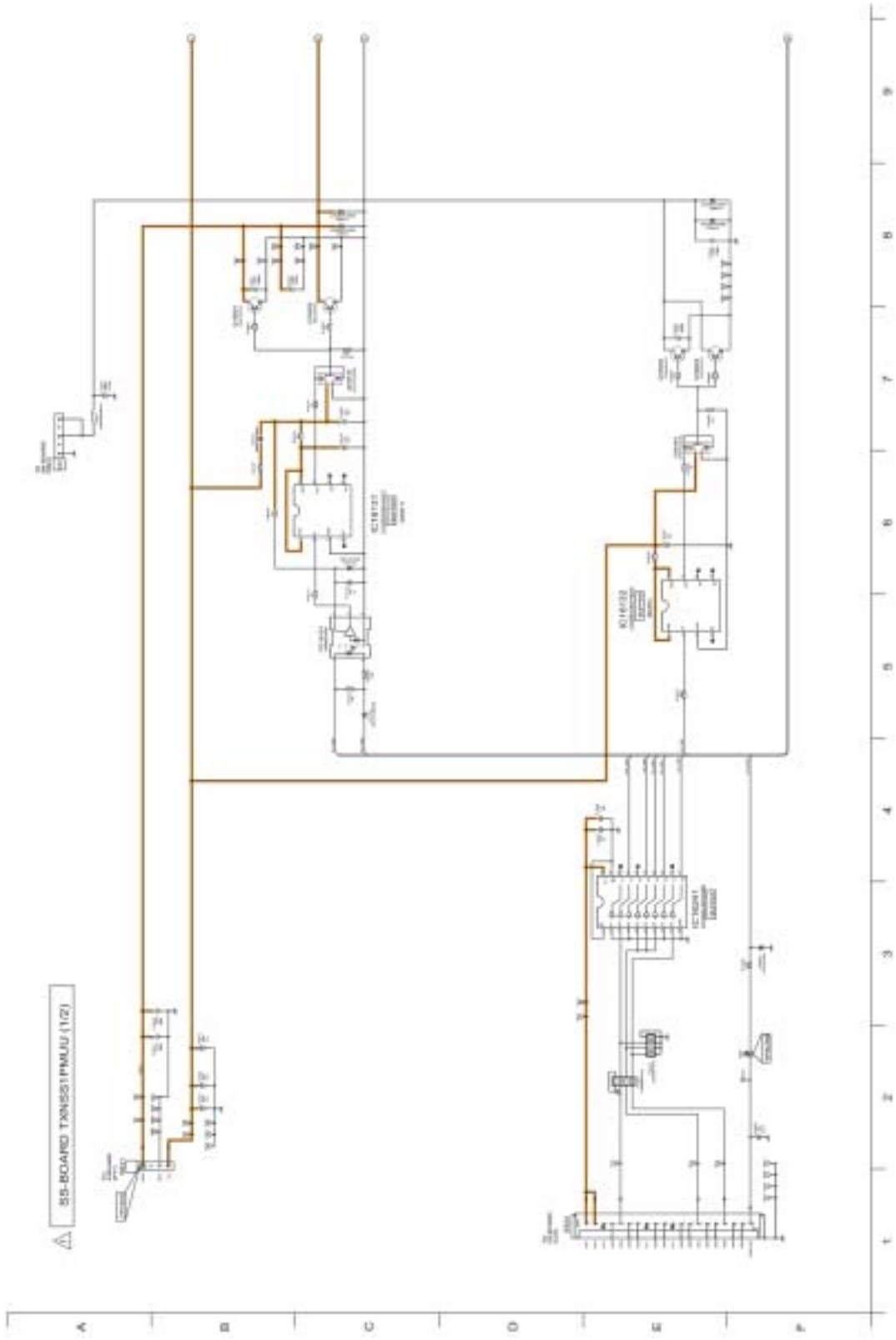
Model No. : TC-P50X3 SN-Board (5/6)



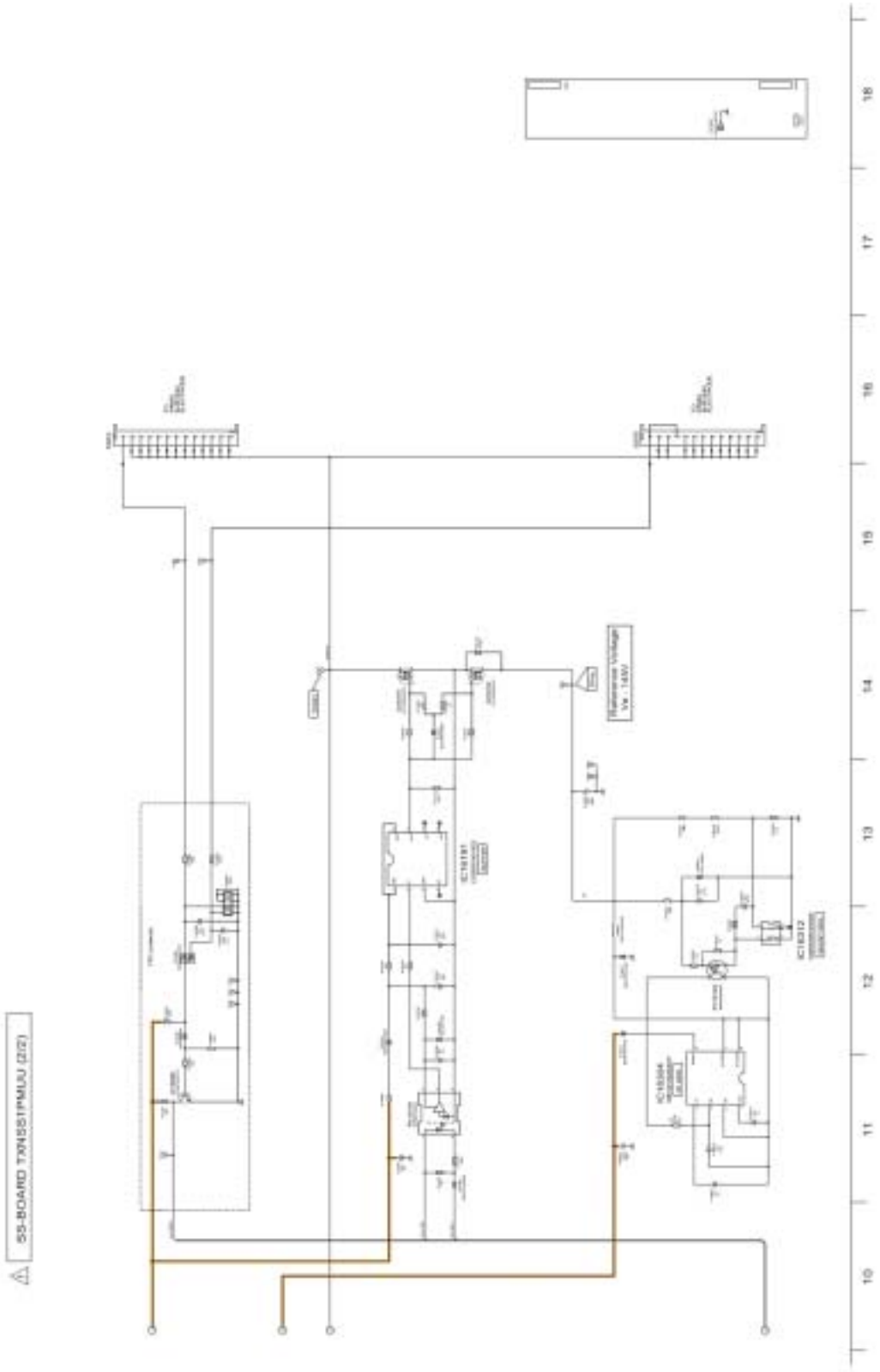
Model No. : TC-P50X3 SN-Board (6/6)



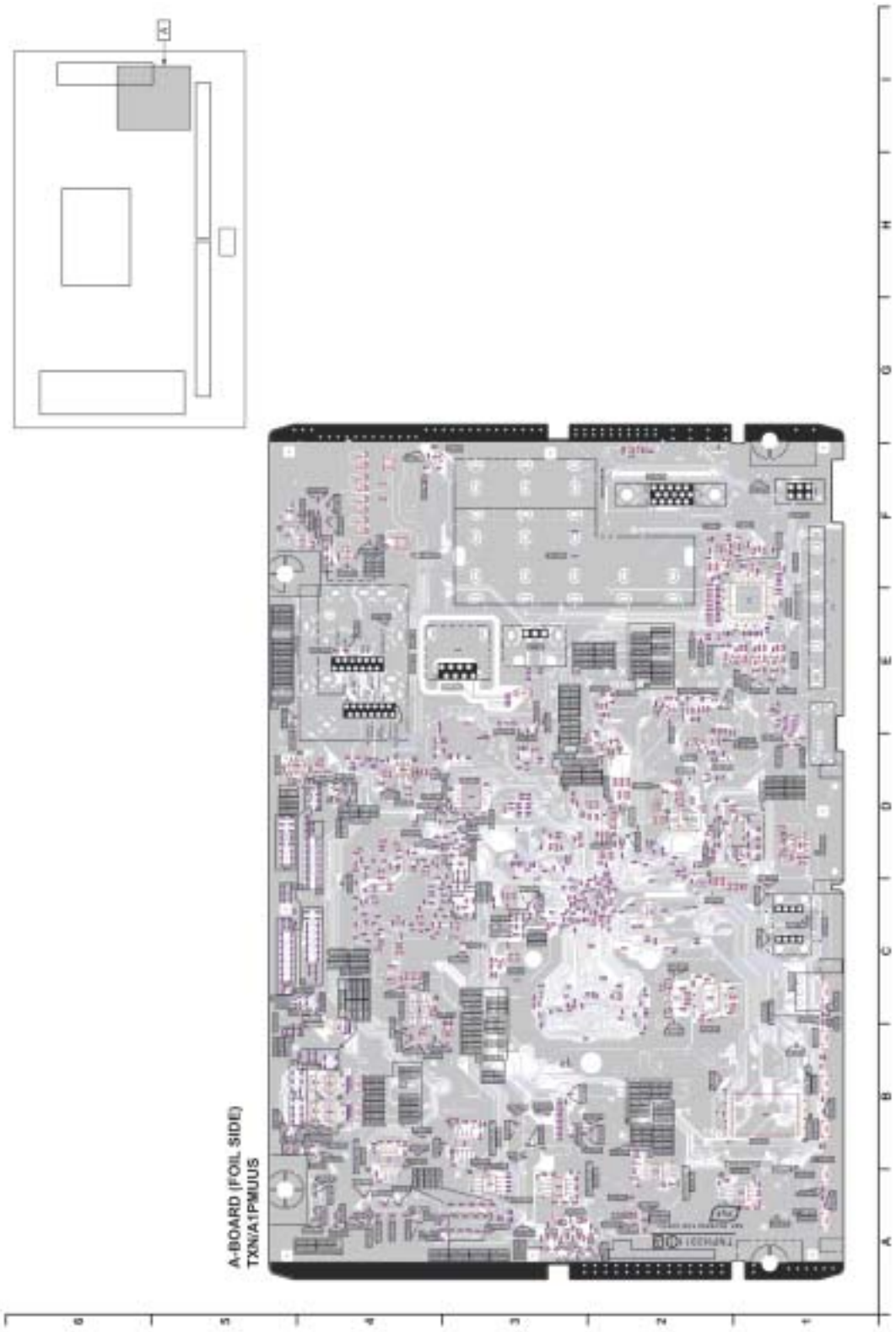
Model No. : TC-P50X3 SS-Board (1/2)



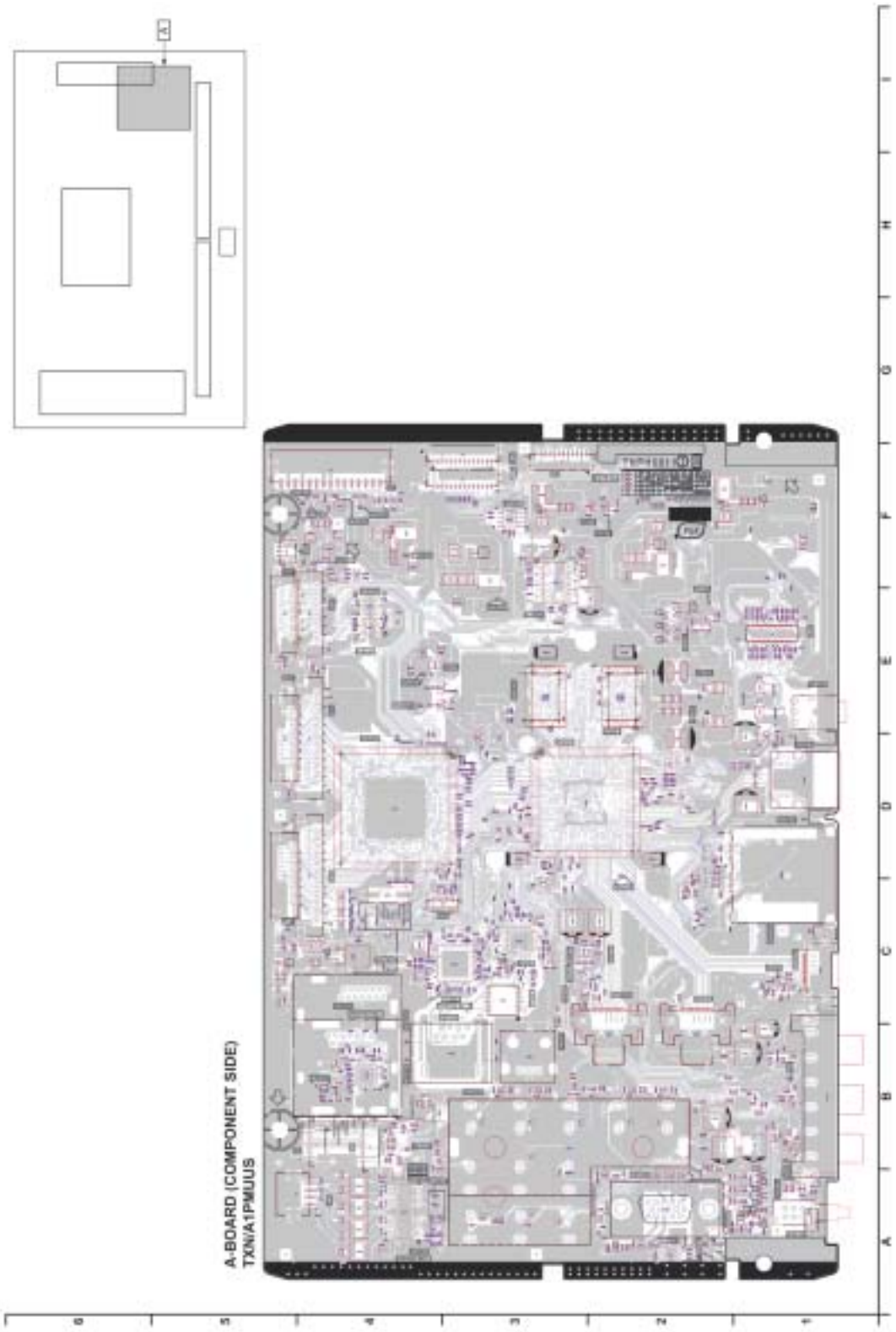
Model No. : TC-P50X3 SS-Board (2/2)

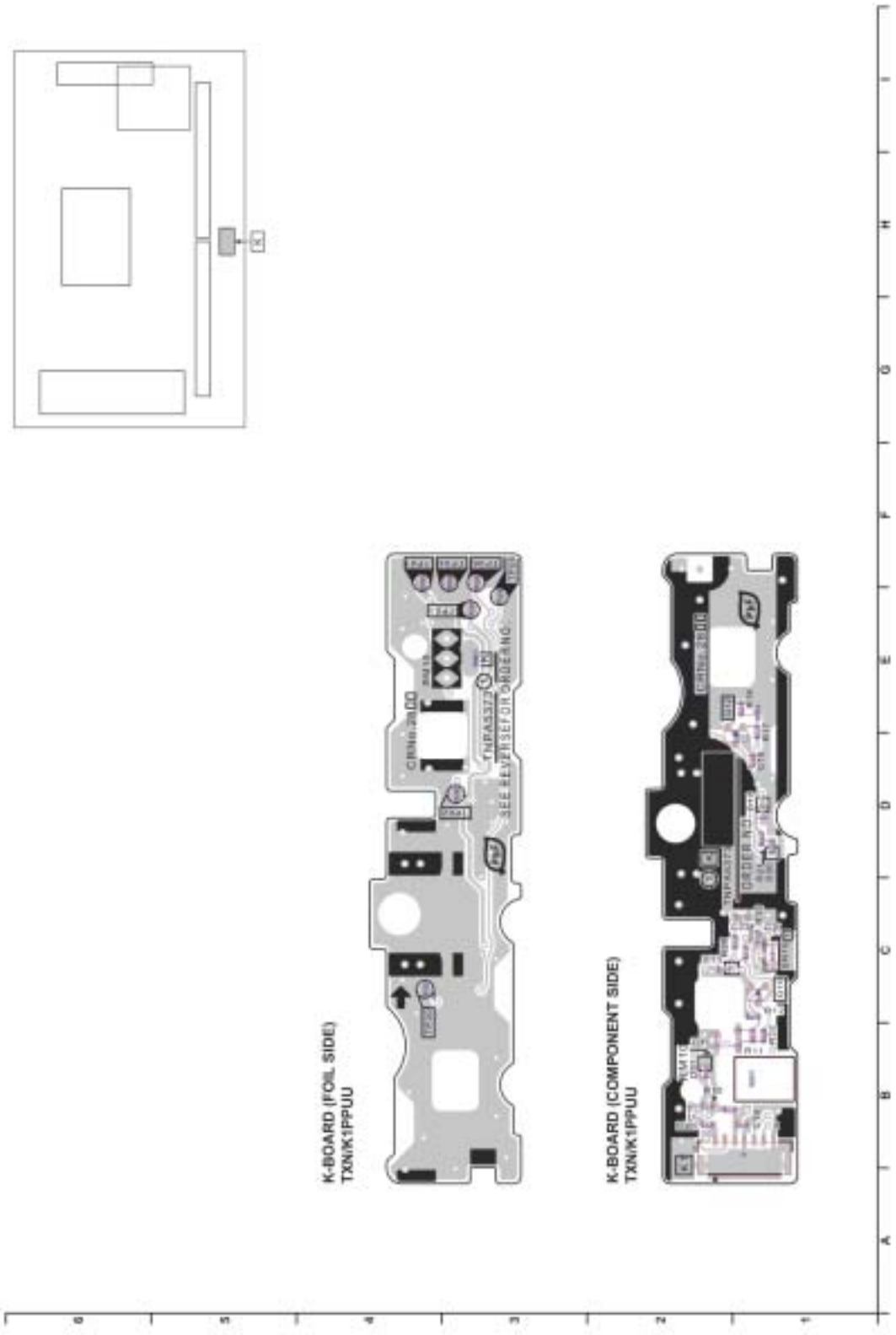


Model No. : TC-P50X3 A-Board (Foil side)

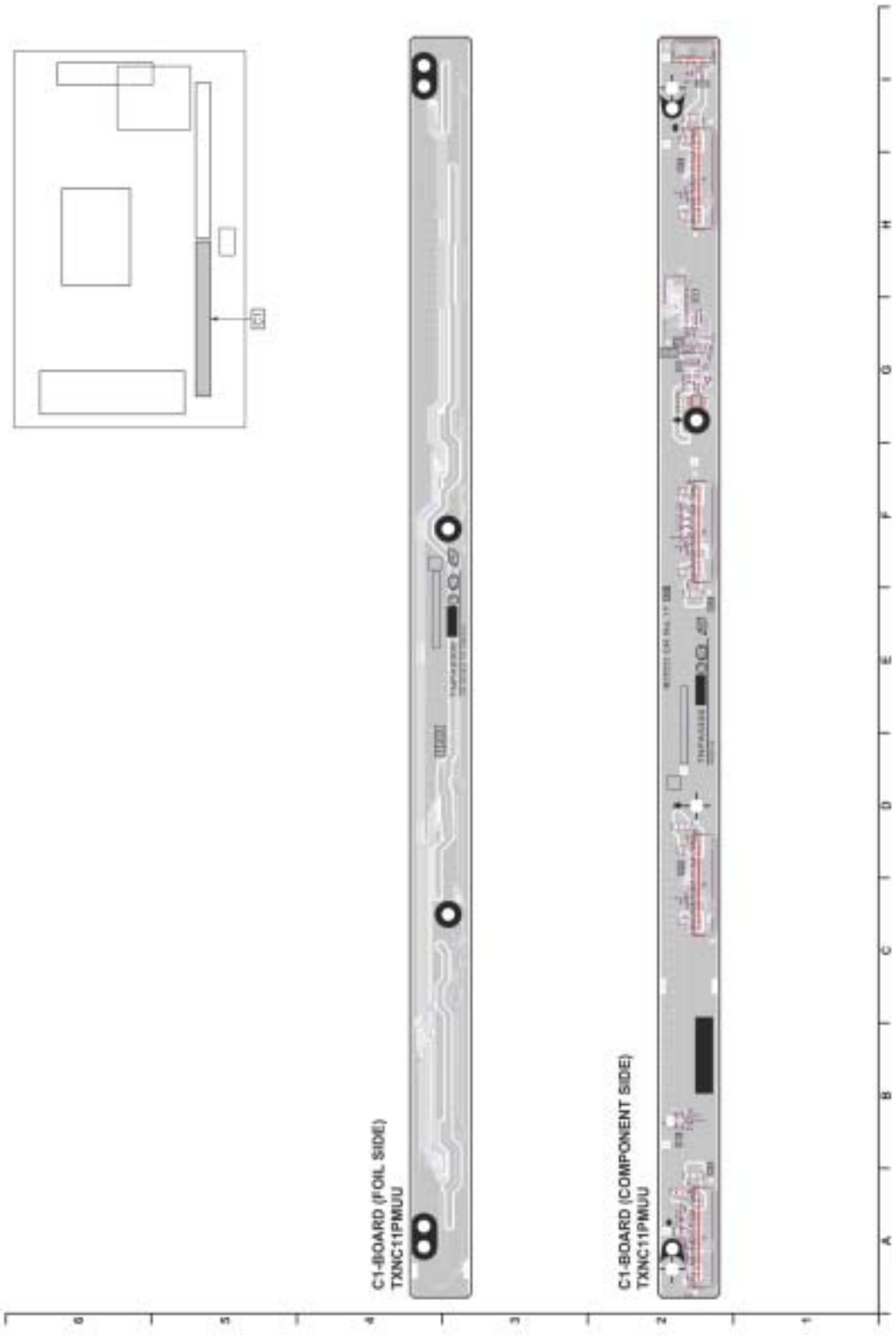


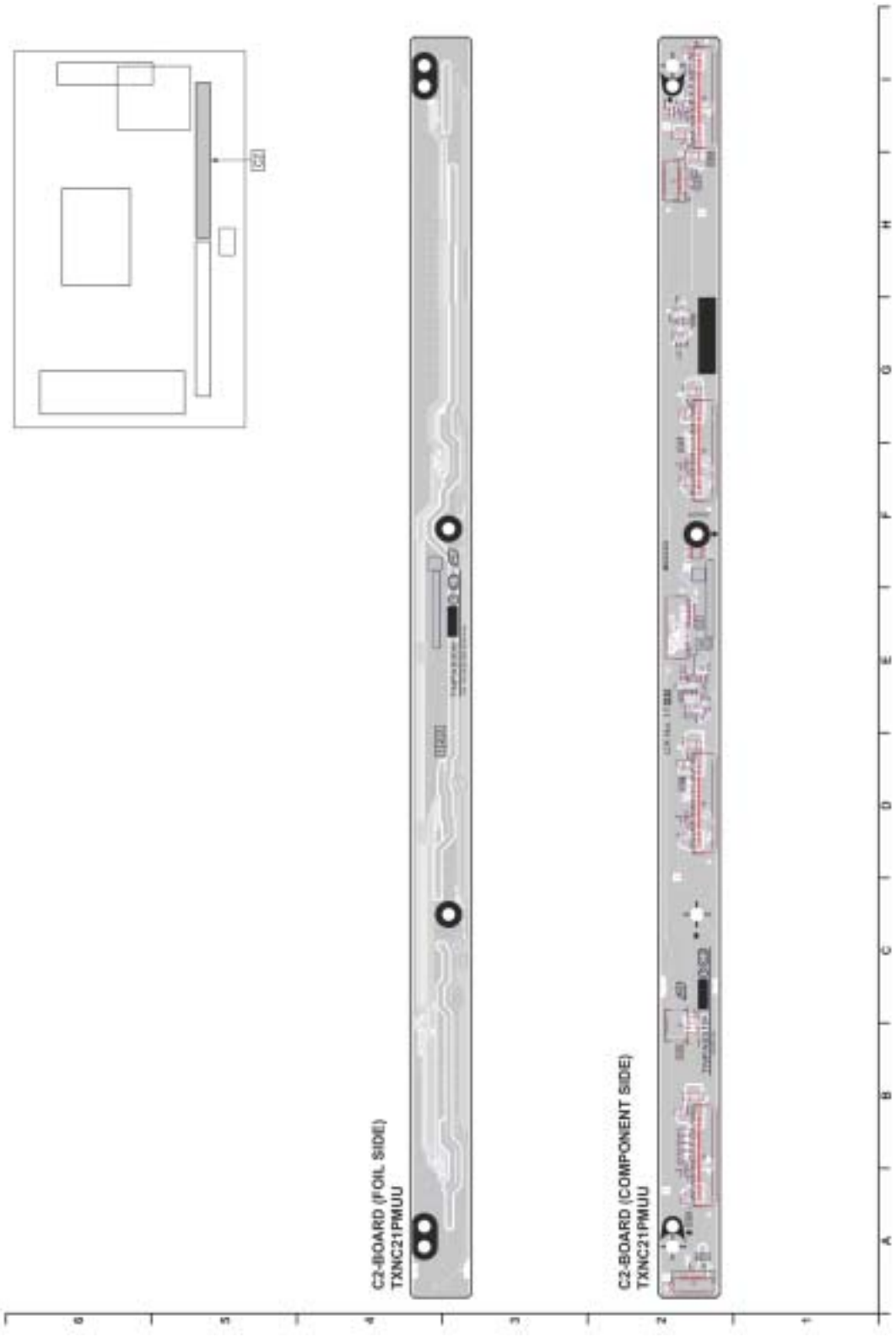
Model No. : TC-P50X3 A-Board (Component side)



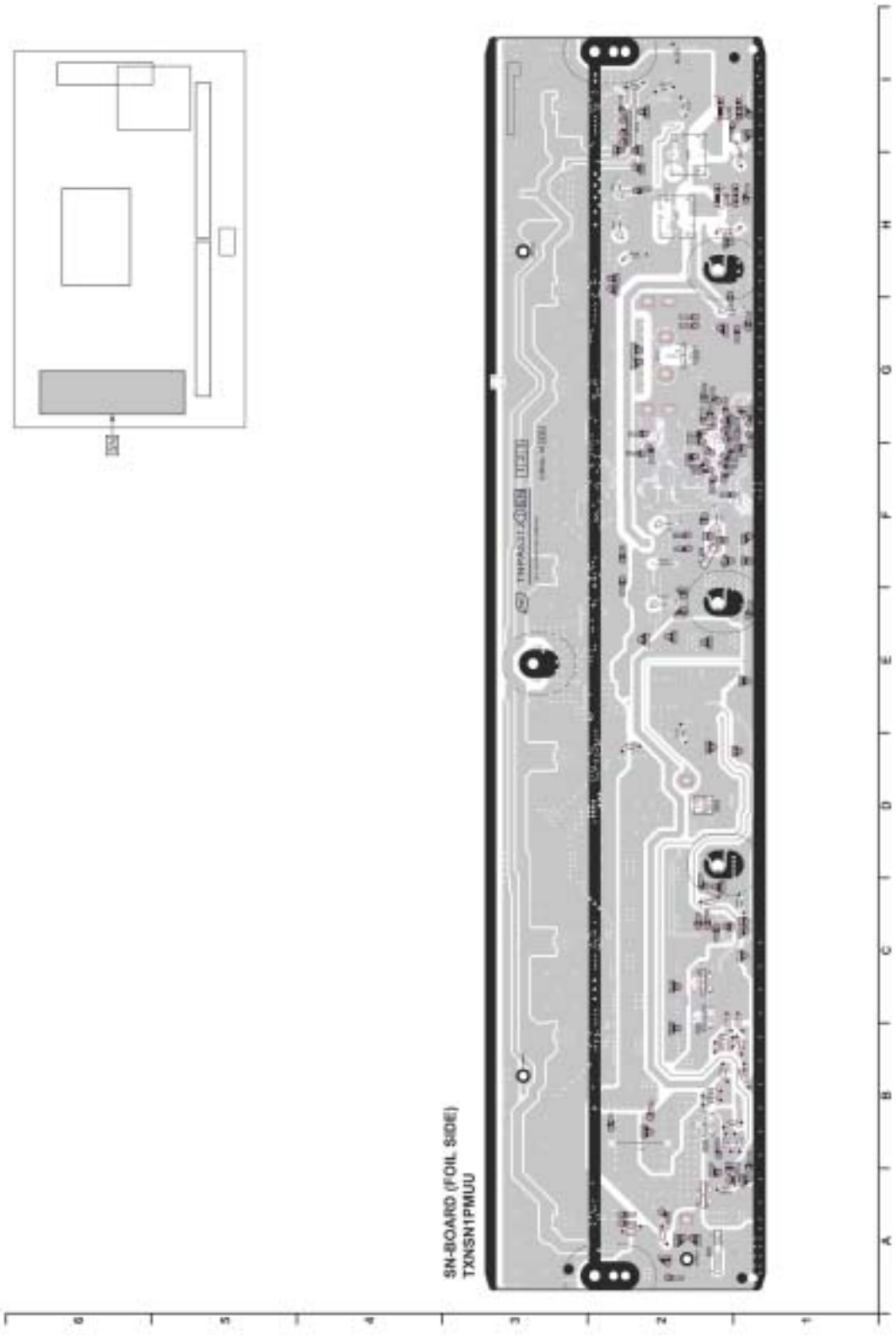

K-BOARD (FOIL SIDE)
TXN/K1PPUU
K-BOARD (COMPONENT SIDE)
TXN/K1PPUU

Model No. : TC-P50X3 C1-Board

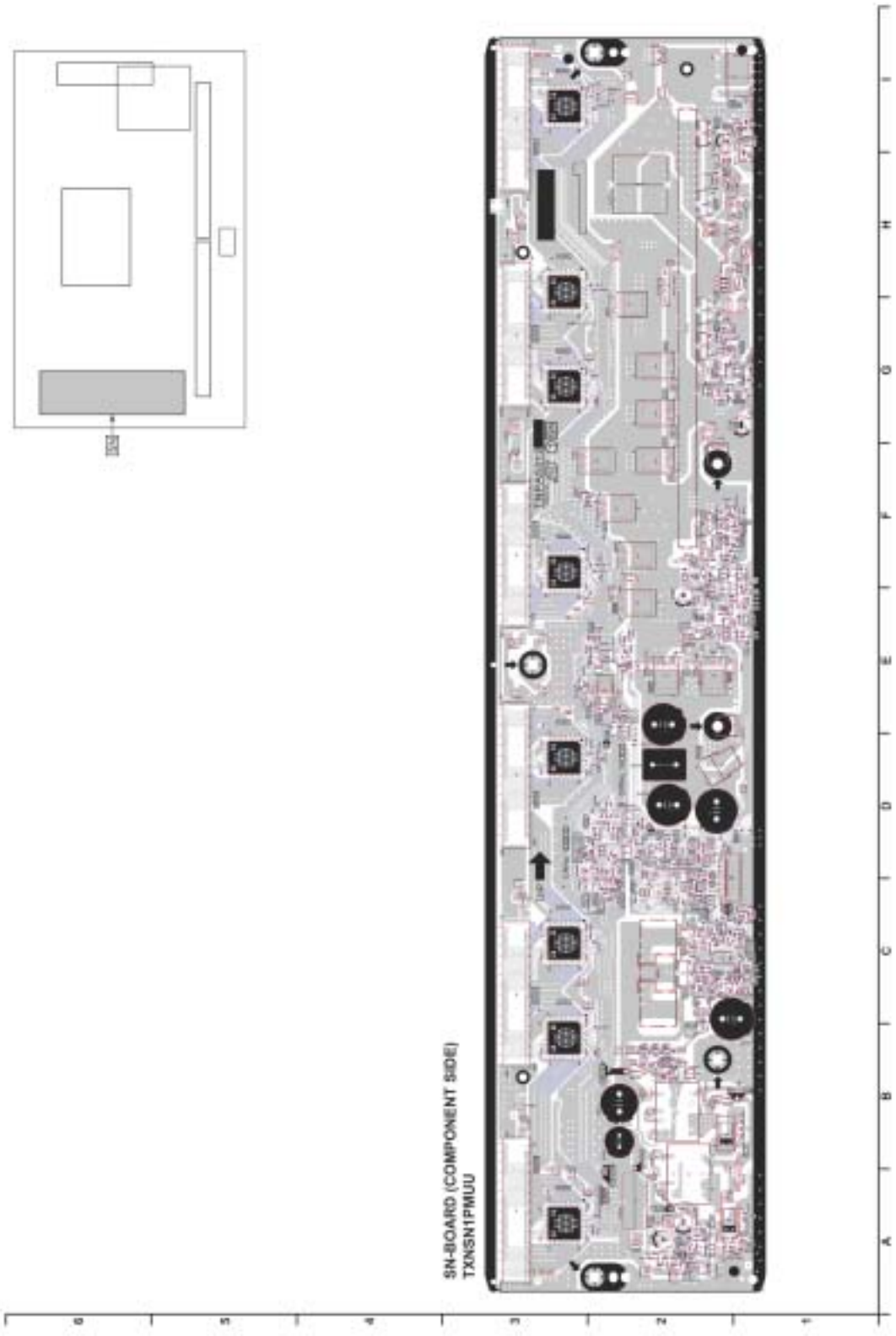



C2-BOARD (FOIL SIDE)
TXNC21PMUU
C2-BOARD (COMPONENT SIDE)
TXNC21PMUU

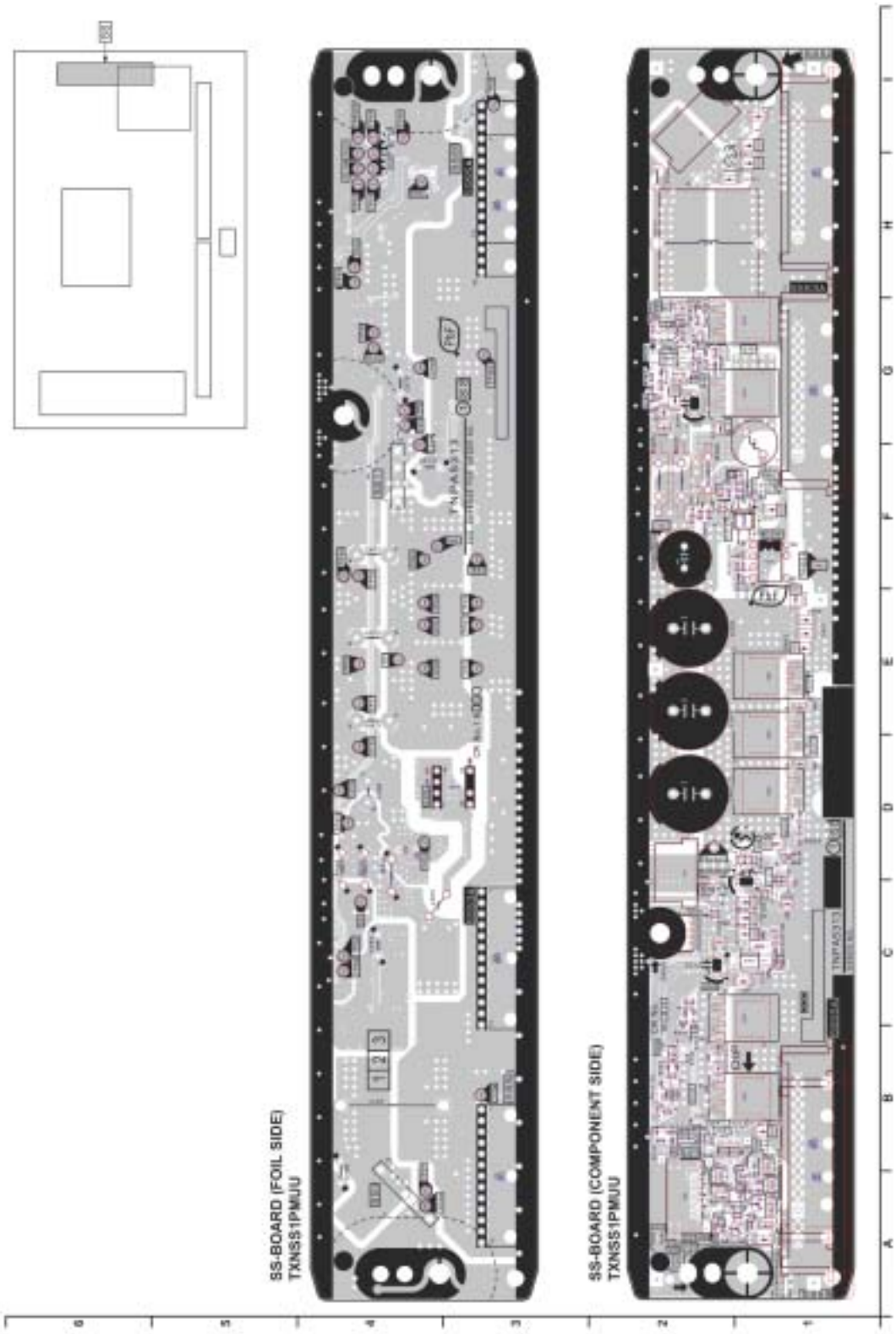
Model No. : TC-P50X3 SN-Board (Foil side)



Model No. : TC-P50X3 SN-Board (Component side)



Model No. : TC-P50X3 SS-Board



Model No. : TC-P50X3 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
⚠	PCB	TXN/A1PMUUS	CIRCUIT BOARD A	1	(RTL)PAVCA
⚠	PCB	N0AE5JK00007	CIRCUIT BOARD P	1	PAVCA
⚠	PCB	TXNC11PMUU	CIRCUIT BOARD C1	1	(RTL)PAVCA
⚠	PCB	TXNC21PMUU	CIRCUIT BOARD C2	1	(RTL)PAVCA
⚠	PCB	TXNSN1PMUU	CIRCUIT BOARD SN	1	(RTL)PAVCA
⚠	PCB	TXNSS1PMUU	CIRCUIT BOARD SS	1	(RTL)PAVCA
⚠	PCB	TXN/K1PPUU	CIRCUIT BOARD K	1	(RTL)PAVCA
	A1	K1KY07AA0719	7P CONNECTOR	1	
	A6	K1KY15B00006	15P CONNECTOR	1	PAVCA
	A11	K1KY04B00013	4P CONNECTOR	1	PAVCA
	A17	K1KA14A00248	14P CONNECTOR	1	
	A18	K1KA14A00248	14P CONNECTOR	1	
	A23	K1MY30BA0345	30P CONNECTOR	1	
	A33	K1MY35BA0345	35P CONNECTOR	1	
	A34	K1MY35BA0345	35P CONNECTOR	1	
	C10	K1MY20BA0345	20P CONNECTOR	1	
	C11	K1MY35BA0345	35P CONNECTOR	1	
	C20	K1MY20BA0345	20P CONNECTOR	1	
	C21	K1MY35BA0345	35P CONNECTOR	1	
	C23	K1MY20BA0345	20P CONNECTOR	1	
	C25	K1KY04B00013	4P CONNECTOR	1	PAVCA
	C027	F1J1A106A043	C 10UF, 10V	1	
	C1053	F1G1C104A077	C 0.1UF 16V	1	
	C1101	F1G1C104A077	C 0.1UF 16V	1	
	C1105	F1G1E1030005	C 0.01UF 25V	1	
	C1110	F1G1C104A077	C 0.1UF 16V	1	
	C2050	F1J1H102A721	C 1000pF, 50V	1	
	C2810	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C2811	F1J1A106A087	C 10UF, 10V	1	
	C2821	ECJ1XB1C104K	C 0.1UF, Z, 16V	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	
	C3070	F1G1H330A565	C 33PF, 50V	1	
	C3071	F1G1H330A565	C 33PF, 50V	1	
	C3072	F1G1H330A565	C 33PF, 50V	1	
	C3073	F1G1H330A565	C 33PF, 50V	1	
	C3130	F1G1H101A565	C 100PF 50V	1	
	C3131	F1G1H101A565	C 100PF 50V	1	
	C3134	F1G1H101A565	C 100PF 50V	1	
	C3135	F1G1H101A565	C 100PF 50V	1	
	C3157	F1G1C104A077	C 0.1UF 16V	1	
	C3753	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	
	C4625	ECJ1VB1A105K	C 1UF, 10V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C4802	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	F1G1H220A565	C 22PF, 50V	1	
	C4821	F1G1H220A565	C 22PF, 50V	1	
	C4834	F1G1H1020008	C 1000PF 50V	1	
	C4836	F1J1A106A043	C 10UF, 10V	1	
	C4907	F1G1H1020008	C 1000PF 50V	1	
	C4908	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	
	C5418	F1G1C223A081	C 0.022UF, 16V	1	
	C5419	F1J1A106A043	C 10UF, 10V	1	
	C5420	F1J1A106A043	C 10UF, 10V	1	
	C5422	F1G1A333A032	C0.033UF, 10V	1	
	C5423	F1G1H5610004	C 560 pF 50 V	1	PAVCA
	C5426	F1K1E106A136	C 10UF, 25V	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	
	C8001	F1J1A106A087	C 10UF, 10V	1	
	C8004	F1G1C104A077	C 0.1UF 16V	1	
	C8005	F1G1C104A077	C 0.1UF 16V	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C8006	F1G1C104A077	C 0.1UF 16V	1	
	C8009	F1J1A106A087	C 10UF, 10V	1	
	C8011	F1G1C104A077	C 0.1UF 16V	1	
	C8014	F1G1A105A047	C 1UF 10V	1	
	C8015	F1G1A105A047	C 1UF 10V	1	
	C8016	F1G1C104A077	C 0.1UF 16V	1	
	C8019	F1J1A106A087	C 10UF, 10V	1	
	C8023	F1G1C104A077	C 0.1UF 16V	1	
	C8024	F1J1A106A087	C 10UF, 10V	1	
	C8025	F1J1A106A087	C 10UF, 10V	1	
	C8026	F1J0G2260001	C 22 UF 4 V	1	
	C8028	F1G1C104A077	C 0.1UF 16V	1	
	C8029	F1G1C104A077	C 0.1UF 16V	1	
	C8031	F1G1C104A077	C 0.1UF 16V	1	
	C8034	F1G1C104A077	C 0.1UF 16V	1	
	C8035	F1G1C104A077	C 0.1UF 16V	1	
	C8037	F1J1A106A087	C 10UF, 10V	1	
	C8041	F1G1C104A077	C 0.1UF 16V	1	
	C8042	F1J1A106A087	C 10UF, 10V	1	
	C8044	F1G1C104A077	C 0.1UF 16V	1	
	C8047	F1G1C104A077	C 0.1UF 16V	1	
	C8050	F1G1C104A077	C 0.1UF 16V	1	
	C8051	F1G1C104A077	C 0.1UF 16V	1	
	C8053	F1G1C104A077	C 0.1UF 16V	1	
	C8054	F1G1C104A077	C 0.1UF 16V	1	
	C8055	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	
	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	
	C8203	F1G1C104A077	C 0.1UF 16V	1	
	C8204	F1G1C104A077	C 0.1UF 16V	1	
	C8205	F1G1C104A077	C 0.1UF 16V	1	
	C8206	F1G1C104A077	C 0.1UF 16V	1	
	C8207	F1J1A106A087	C 10UF, 10V	1	
	C8208	F1G1C104A077	C 0.1UF 16V	1	
	C8210	F1G1C104A077	C 0.1UF 16V	1	
	C8212	F1G1C104A077	C 0.1UF 16V	1	
	C8215	F1G1C104A077	C 0.1UF 16V	1	
	C8216	F1J1A106A087	C 10UF, 10V	1	
	C8218	F1G1C104A077	C 0.1UF 16V	1	
	C8220	F1G1C104A077	C 0.1UF 16V	1	
	C8221	F1G1C104A077	C 0.1UF 16V	1	
	C8224	F1G1C104A077	C 0.1UF 16V	1	
	C8225	F1G1C104A077	C 0.1UF 16V	1	
	C8300	F1G1H6R0A732	C 6.0PF, 50V	1	PAVCA
	C8301	F1G1H7R0A732	C 7PF, 50V	1	
	C8302	F1G1C104A077	C 0.1UF 16V	1	
	C8303	F1G1C104A077	C 0.1UF 16V	1	
	C8304	F1G1C104A077	C 0.1UF 16V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	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	
	C8764	ECJ1VB1A105K	C 1UF, 10V	1	
	C8765	ECJ1VB1A105K	C 1UF, 10V	1	
	C8773	F1K1E106A136	C 10UF, 25V	1	
	C8774	F1K1E106A136	C 10UF, 25V	1	
	C8775	F1G1C223A081	C 0.022UF, 16V	1	
	C8776	F1G1E1030005	C 0.01UF 25V	1	
	C8777	F1G1E1030005	C 0.01UF 25V	1	
	C8779	F1K0J226A049	C 22UF, 6.3V	1	PAVCA
	C8780	F1K0J226A049	C 22UF, 6.3V	1	PAVCA
	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	
	C9099	F1G1C104A077	C 0.1UF 16V	1	
	C9100	F1J1A106A043	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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C9301	F1G1H150A565	C 15PF, 50V	1	
	C9302	F1G1H180A565	C 18PF, 50V	1	
	C9308	F1G1C104A077	C 0.1UF 16V	1	
	C9311	F1G1C104A077	C 0.1UF 16V	1	
	C9312	F1J1A106A043	C 10UF, 10V	1	
	C9313	F1G1C104A077	C 0.1UF 16V	1	
	C9314	F1J1A106A043	C 10UF, 10V	1	
	C9316	F1J1A106A043	C 10UF, 10V	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	
	C9335	F1J1A106A043	C 10UF, 10V	1	
	C9336	F1J1A106A043	C 10UF, 10V	1	
	C9337	F1J1A106A043	C 10UF, 10V	1	
	C9347	F1G1A105A047	C 1UF 10V	1	
	C9351	F1G1C104A077	C 0.1UF 16V	1	
	C9352	F1G1A105A047	C 1UF 10V	1	
	C9362	F1G1C104A077	C 0.1UF 16V	1	
	C9366	F1G1A105A047	C 1UF 10V	1	
	C9371	F1J1A106A043	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	F1J1A106A043	C 10UF, 10V	1	
	C9400	F1G1C104A077	C 0.1UF 16V	1	
	C9401	F1G1C104A077	C 0.1UF 16V	1	
	C9404	F1G1C104A077	C 0.1UF 16V	1	
	C9409	F1G1A105A047	C 1UF 10V	1	
	C9411	F1G1A105A047	C 1UF 10V	1	
	C9413	F1G1A105A047	C 1UF 10V	1	
	C9809	F1K0J226A049	C 22UF, 6.3V	1	PAVCA
	C9810	F1G1E1030005	C 0.01UF 25V	1	
	C9811	F1G1E1030005	C 0.01UF 25V	1	
	C9813	F1G1E472A086	C 4700pF 25V	1	
	C9814	F1K1E106A136	C 10UF, 25V	1	
	C9815	F1K1E106A136	C 10UF, 25V	1	
	C9817	F1K0J226A049	C 22UF, 6.3V	1	PAVCA
	C9818	F1K0J226A049	C 22UF, 6.3V	1	PAVCA
	C9819	F1K0J226A049	C 22UF, 6.3V	1	PAVCA
	C9854	F1G1H1020008	C 1000PF 50V	1	
	C14901	F1G1H1020008	C 1000PF 50V	1	
	C14902	F1H1C105A145	C 1 uF 16 V	1	
	C14906	F1H1C105A145	C 1 uF 16 V	1	
	C14908	F1H1C105A145	C 1 uF 16 V	1	
	C14912	F1H1C105A145	C 1 uF 16 V	1	
	C14926	F1H1H104A970	C 0.1UF, , 50V	1	
	C14928	F1L2E104A028	C 0.10UF, 250V	1	
	C14931	F1G1H1020008	C 1000PF 50V	1	
	C14934	F1L2E104A028	C 0.10UF, 250V	1	
	C14936	F1G1H221A541	C 220PF, 50V	1	
	C14937	F1G1H221A541	C 220PF, 50V	1	
	C14943	F1K1E475A134	C 4.7UF 25V	1	
	C14950	F1G1H221A541	C 220PF, 50V	1	
	C14952	F1H1C105A145	C 1 uF 16 V	1	
	C14957	F1H1C105A145	C 1 uF 16 V	1	
	C14958	F1H1C105A145	C 1 uF 16 V	1	
	C14963	F1H1C105A145	C 1 uF 16 V	1	
	C14970	F1G1H221A541	C 220PF, 50V	1	
	C14973	F1G1H1020008	C 1000PF 50V	1	
	C14975	F1L2E104A028	C 0.10UF, 250V	1	
	C14979	F1L2E104A028	C 0.10UF, 250V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C14987	F1H1C105A145	C 1 uF 16 V	1	
	C14988	F1H1C105A145	C 1 uF 16 V	1	
	C14991	F1G1H100A565	C 10PF 50V	1	
	C14992	F1H1C105A145	C 1 uF 16 V	1	
	C14993	F1H1C105A145	C 1 uF 16 V	1	
	C16001	F1L2J222A022	C 2200PF, 630V	1	
	C16002	F1L2J562A022	C 5600PF, 630V	1	
	C16004	F1L2J272A022	C 2700PF, 630V	1	
	C16011	F2A2T181A018	E 180UF, 220V	1	PAVCA
	C16012	F2A2T181A018	E 180UF, 220V	1	PAVCA
	C16022	F1L2J562A022	C 5600PF, 630V	1	
	C16024	F1L2J272A022	C 2700PF, 630V	1	
	C16103	F1H1E470A130	C 47PF, 25V	1	
	C16104	F1H1E470A130	C 47PF, 25V	1	
	C16131	F1K1E475A134	C 4.7UF 25V	1	
	C16132	F1H1C105A145	C 1 uF 16 V	1	
	C16133	F2A1E470B725	E 47UF, 25V	1	PAVCA
	C16135	F1K1E105A029	C 1UF, 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	
	C16242	F1H1C105A145	C 1 uF 16 V	1	
	C16243	ECJ1VB1H103K	C 0.01UF, 50V	1	
	C16244	F1J1A106A087	C 10UF, 10V	1	
	C16272	F2A1E470B725	E 47UF, 25V	1	PAVCA
	C16286	F1H1H104A970	C 0.1UF, , 50V	1	
	C16287	F1H1H104A970	C 0.1UF, , 50V	1	
	C16310	F2A2T181A018	E 180UF, 220V	1	PAVCA
	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	F2A2C1010028	E 100UF, 160V	1	PAVCA
	C16400	F1E2J222A002	C 2200PF, 630V	1	
	C16401	F1L2J222A022	C 2200PF, 630V	1	
	C16402	F1L2J222A022	C 2200PF, 630V	1	
	C16411	F2A2T181A018	E 180UF, 220V	1	PAVCA
	C16412	F2A2T181A018	E 180UF, 220V	1	PAVCA
	C16413	F2A2T181A018	E 180UF, 220V	1	PAVCA
	C16414	F2A2T181A018	E 180UF, 220V	1	PAVCA
	C16421	F1L2J332A022	C 3300PF, 630V	1	
	C16422	F1L2J1020001	C 1000PF, 630V	1	
	C16441	ECJ1VB1H472K	C 4700PF, 50V	1	
	C16451	ECJ1VB1H472K	C 4700PF, 50V	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	
	C16531	F1K1E475A134	C 4.7UF 25V	1	
	C16534	F1H1C105A145	C 1 uF 16 V	1	
	C16541	F1H1C105A145	C 1 uF 16 V	1	
	C16542	F2A1E470B725	E 47UF, 25V	1	PAVCA
	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	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C16567	F1H1C105A145	C 1 uF 16 V	1	
	C16581	F1K1E105A029	C 1UF, 25V	1	
	C16582	F1K1E475A134	C 4.7UF 25V	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	
	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	
	C16723	F1K1E105A029	C 1UF, 25V	1	
	C16724	F1K1E475A134	C 4.7UF 25V	1	
	C16727	F1E2J331A002	C 330PF, 630V	1	
	C16729	F1E2J331A002	C 330PF, 630V	1	
	C16730	F1E2J331A002	C 330PF, 630V	1	
	C16733	F1E2J332A002	C 3300PF, 630V	1	
	C16753	F1K1E475A134	C 4.7UF 25V	1	
	C16770	F1H1C105A145	C 1 uF 16 V	1	
	C16791	F2A1E221B726	E 220UF, 25V	1	PAVCA
	C16792	F1K1E475A134	C 4.7UF 25V	1	
	C16793	F2A1E221B726	E 220UF, 25V	1	PAVCA
	C16795	F2A1E221B726	E 220UF, 25V	1	PAVCA
	C16796	F1K1E475A134	C 4.7UF 25V	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	
	C16903	F1L2J1520001	C 1500PF, 630V	1	
	C16904	F1L2J681A038	C 680PF, 630V	1	PAVCA
	C16905	F1E2J221A002	C 220PF, 630V	1	
	C16906	F1L2J1520001	C 1500PF, 630V	1	
	C16907	F1L2J4710001	C 470PF, 630V	1	
	C17101	ECJ1VB1A105K	C 1UF, 10V	1	
	C17102	ECJ1VB1A105K	C 1UF, 10V	1	
	C17103	ECJ1VB1A105K	C 1UF, 10V	1	
	C17104	ECJ1VB1A105K	C 1UF, 10V	1	
	C17105	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C17118	F1L2E154A028	C 0.15UF, 250V	1	
	C17120	F1L2E154A028	C 0.15UF, 250V	1	
	C17121	F1L2E154A028	C 0.15UF, 250V	1	
	C17123	F1L2E154A028	C 0.15UF, 250V	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	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	C17206	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
	C17223	F1L2E154A028	C 0.15UF, 250V	1	
	C17224	F1L2E154A028	C 0.15UF, 250V	1	
	C17226	F1L2E154A028	C 0.15UF, 250V	1	
	C17227	F1L2E154A028	C 0.15UF, 250V	1	
	CB1	K1MY55B00001	55P CONNECTOR	1	
	CB2	K1MY55B00001	55P CONNECTOR	1	
	CB3	K1MY55B00001	55P CONNECTOR	1	
	CB4	K1MY55B00001	55P CONNECTOR	1	
	CB5	K1MY55B00001	55P CONNECTOR	1	
	CB6	K1MY55B00001	55P CONNECTOR	1	
	CB7	K1MY55B00001	55P CONNECTOR	1	
	CB8	K1MY55B00001	55P CONNECTOR	1	
	D1104	B0ADCJ000100	DIODE	1	
	D1105	DZ2J068M0L	ZENER DIODE	1	
	D2820	B3AAB0000343	LED	1	
	D3050	K7AAAY000006	PHOTO LINK	1	
	D4500	B0JCCD000020	DIODE	1	PAVCA
	D4671	DZ2J056M0L	ZENER DIODE	1	
	D4672	DZ2J056M0L	ZENER DIODE	1	
	D5350	B0JCMD000066	ZENER DIODE	1	
	D5613	DA2J10100L	DIODE	1	
	D5614	DA2J10100L	DIODE	1	
	D5615	DA2J10100L	DIODE	1	
	D5616	B0JCCD000020	DIODE	1	PAVCA
	D5617	B0JCCD000020	DIODE	1	PAVCA
	D8716	DA2J10100L	DIODE	1	
	D8720	B0JCMD000066	ZENER DIODE	1	
	D9806	B0ADCK000001	DIODE	1	PAVCA
	D9808	B0ADCK000001	DIODE	1	PAVCA
	D14904	B0ECKM000046	DIODE	1	
	D14905	B0ECKM000046	DIODE	1	
	D14909	B0ADCJ000100	DIODE	1	
	D14910	B0ADCJ000100	DIODE	1	
	D14955	B0ECKM000046	DIODE	1	
	D14956	B0ECKM000046	DIODE	1	
	D14962	B0ACCJ000048	DIODE	1	
	D14976	B0ACCJ000048	DIODE	1	
	D16001	B0ECLP000010	DIODE	1	PAVCA
	D16002	B0ECLP000010	DIODE	1	PAVCA
	D16021	B0ECLP000010	DIODE	1	PAVCA
	D16024	B0ECLP000010	DIODE	1	PAVCA
	D16101	B0JCME000093	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	
	D16281	DZ2J051M0L	ZENER DIODE	1	
	D16282	DZ2J068M0L	ZENER DIODE	1	
	D16285	B0ADEJ000035	ZENER DIODE	1	
	D16315	DZ2J150M0L	ZENER DIODE	1	
	D16316	B0ECKP000055	DIODE	1	
	D16317	B0ECHR000004	DIODE	1	PAVCA
	D16401	B0ECLP000010	DIODE	1	PAVCA
	D16402	B0ECLP000010	DIODE	1	PAVCA
	D16407	B0JCME000093	DIODE	1	
	D16411	B0ADCJ000100	DIODE	1	
	D16413	B0ACCJ000048	DIODE	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	D16421	B0ECLP000010	DIODE	1	PAVCA
	D16422	B0ECLP000010	DIODE	1	PAVCA
	D16431	B0ECKP000055	DIODE	1	
	D16432	B0ECKP000055	DIODE	1	
	D16433	B0ECKP000055	DIODE	1	
	D16461	B0FBCN000005	DIODE	1	
	D16473	B0ACCJ000048	DIODE	1	
	D16474	B0ACCJ000048	DIODE	1	
	D16481	B0FBCN000005	DIODE	1	
	D16491	B0ACCJ000048	DIODE	1	
	D16492	DZ2J047M0L	ZENER DIODE	1	
	D16493	B0ADCJ000100	DIODE	1	
	D16506	DZ2J051M0L	ZENER DIODE	1	
	D16507	DZ2J051M0L	ZENER DIODE	1	
	D16534	DZ2J051M0L	ZENER DIODE	1	
	D16536	B0ECKP000055	DIODE	1	
	D16537	B0ADCJ000100	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	
	D16618	B0ECKP000055	DIODE	1	
	D16620	B0ECKP000055	DIODE	1	
	D16641	B0FCBN000001	DIODE	1	PAVCA
	D16642	B0FCBN000001	DIODE	1	PAVCA
	D16643	B0FCBN000001	DIODE	1	PAVCA
	D16662	DZ2J330M0L	ZENER DIODE	1	
	D16663	DZ2J330M0L	ZENER DIODE	1	
	D16664	DZ2J330M0L	ZENER DIODE	1	
	D16669	B0ACCJ000048	DIODE	1	
	D16673	B0ECHS000002	DIODE	1	PAVCA
	D16674	B0ECHS000002	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
	D16722	B0ECLP000010	DIODE	1	PAVCA
	D16723	B0ECLP000010	DIODE	1	PAVCA
	D16725	B0ECLP000010	DIODE	1	PAVCA
	D16726	B0ECLP000010	DIODE	1	PAVCA
	D16728	B0ECKP000055	DIODE	1	
	D16791	DZ2J240M0L	ZENER DIODE	1	
	D16822	B0ACCJ000048	DIODE	1	
	D16823	B0ADCJ000100	DIODE	1	
	D16824	B0ACCJ000048	DIODE	1	
	D16825	DZ2J330M0L	ZENER DIODE	1	
	D16833	B0ECHR000004	DIODE	1	PAVCA
	FL8531	J0ZZB0000142	FILTER	1	PAVCA
	FL8532	J0ZZB0000142	FILTER	1	PAVCA
	IC3001	C1AB00003385	IC	1	PAVCA
	IC3753	C1ZBZ0004368	IC	1	PAVCA
	IC4900	C1AB00003457	IC	1	PAVCA
	IC5000	AN34044A-VF	IC	1	PAVCA
	IC5251	C0CBCBC00227	IC	1	
	IC5350	C0DBAYY00931	IC	1	PAVCA

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	IC5606	C0EBY0000580	IC	1	
	IC8000	MN2WS0175D	IC	1	PAVCA
	IC8100	C0DBAYY00715	IC	1	
	IC8200	C3ABTY000026	IC	1	
	IC8201	C3ABTY000026	IC	1	
	IC8531	C0DBZYY00368	IC	1	
	IC8532	C0DBZYY00368	IC	1	
	IC8601	C1CB00003491	IC	1	PAVCA
	IC8701	C0DBAYY00931	IC	1	PAVCA
	IC8702	C0DBAFG00029	IC	1	PAVCA
	IC8706	C0DBGYY00887	IC	1	
	IC8707	C0DBAYY00915	IC	1	PAVCA
	IC8900	TVRS095ABS	IC	1	PAVCA
	IC8901	TVRS001S	IC	1	PAVCA
	IC8902	TVRS017AAS	IC	1	PAVCA
	IC9300	C1AB00003409	IC	1	PAVCA
	IC9304	TVRS112S	IC	1	PAVCA
	IC9400	C0JBAU000010	IC	1	
	IC9401	C0JBAU000010	IC	1	
	IC9810	C0DBAYY00915	IC	1	PAVCA
	IC14901	AN16531A-VT	IC	1	PAVCA
	IC14902	AN16531A-VT	IC	1	PAVCA
	IC14903	AN16531A-VT	IC	1	PAVCA
	IC14904	AN16531A-VT	IC	1	PAVCA
	IC14951	AN16531A-VT	IC	1	PAVCA
	IC14952	AN16531A-VT	IC	1	PAVCA
	IC14953	AN16531A-VT	IC	1	PAVCA
	IC14954	AN16531A-VT	IC	1	PAVCA
	IC14961	C0JBAB000996	IC	1	PAVCA
	IC14962	C0JBAB000996	IC	1	PAVCA
	IC14963	C0JBAA000558	IC	1	PAVCA
	IC16131	C0ZBZ0001822	IC	1	PAVCA
	IC16132	C0ZBZ0001822	IC	1	PAVCA
	IC16191	C0ZBZ0001822	IC	1	PAVCA
	IC16241	C0JBAU000088	IC	1	
	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	
	IC16581	C0BBBA000024	IC	1	
	IC16684	C0ZBZ0001822	IC	1	PAVCA
	IC16724	C0CBADE00049	IC	1	
	IC16784	MIP3910MSSCF	IC	1	
	IC16785	C0DBZYY00352	IC	1	
	IC16786	MIP3910MSSCF	IC	1	
	IC16787	C0DBZYY00352	IC	1	
	IC16795	C0CBALC00012	IC	1	
	IC16921	C1ZBZ0004292	IC	1	PAVCA
	IC17101	C0JBAU000088	IC	1	
	IC17201	C0JBAU000088	IC	1	
	IC17202	C0JBAU000089	IC	1	PAVCA
	JK3000	K1U816A00007	CONNECTOR UNIT	1	PAVCA

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	JK4600	K1FY119D0017	CONNECTOR	1	PAVCA
	JK4601	K1FY119D0017	CONNECTOR	1	PAVCA
	JK8531	K1FY208B0008	CONNECTOR	1	
	JK8650	K1NA12E00016	12P CONNECTOR	1	
	JK8702	K2LC108A0011	JACK	1	PAVCA
	JS002	D0GBR00J0004	M 0 OHM J 1/10W	1	
	JS1050	D0GAR00J0005	M 0 OHM, 1/16W	1	
	JS1053	D0GDR00J0004	M 0 OHM, 1/4W	1	PAVCA
	K1	K1KA07B00135	7P 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	
	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	G1C6R8MA0445	INDUCTION COIL	1	PAVCA
	L8003	J0JCC0000287	CHIP INDUCTOR	1	
	L8005	J0JHC0000045	CHIP INDUCTOR	1	
	L8006	J0JHC0000045	CHIP INDUCTOR	1	
	L8007	J0JHC0000045	CHIP INDUCTOR	1	
	L8009	J0JKC0000021	CHIP INDUCTOR	1	
	L8015	J0JCC0000287	CHIP INDUCTOR	1	
	L8016	J0JCC0000287	CHIP INDUCTOR	1	
	L8100	G1C4R7MA0416	INDUCTION COIL	1	PAVCA
	L8102	G1C3R3MA0425	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
	L8702	G1C6R8MA0445	INDUCTION COIL	1	PAVCA
	L9302	J0JHC0000117	CHIP INDUCTOR	1	
	L9303	J0JHC0000117	CHIP INDUCTOR	1	
	L9810	G1C6R8MA0445	INDUCTION COIL	1	PAVCA
	L16011	G0CR56KA0215	INDUCTOR	1	PAVCA
	L16303	G0C471MA0049	PEAKING COIL	1	
	L16411	G0CR56KA0215	INDUCTOR	1	PAVCA
	L16451	G0ZZ00002183	PEAKING COIL	1	
	L16452	G0ZZ00002183	PEAKING COIL	1	
	L16453	G0ZZ00002183	PEAKING COIL	1	
	L16454	G0ZZ00002183	PEAKING COIL	1	
	L16455	G0ZZ00002183	PEAKING COIL	1	
	PA5440	K5H5022A0031	FUSE	1	
	PA5601	K5H5022A0031	FUSE	1	
	PC14951	B3PBE0000059	IC	1	PAVCA
	PC14952	B3PBE0000059	IC	1	PAVCA
	PC16131	B3PBE0000060	IC	1	PAVCA

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	PC16191	B3PBE0000060	IC	1	PAVCA
	PC16192	B3PBA0000580	IC	1	PAVCA
	PC16461	B3PBE0000058	IC	1	PAVCA
	PC16462	B3PBE0000060	IC	1	PAVCA
	PC16463	B3PBE0000060	IC	1	PAVCA
	PC16480	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
	Q1101	DSA200100L	TRANSISTOR	1	
	Q1102	DSC2001S0L	TRANSISTOR	1	
	Q2810	DSC200100L	TRANSISTOR	1	
	Q2812	DSC200100L	TRANSISTOR	1	
	Q4500	B1HFCFA00026	TRANSISTOR	1	
	Q4501	B1ADCE000022	TRANSISTOR	1	
	Q4502	B1ABCF000231	TRANSISTOR	1	
	Q4503	B1ABCF000231	TRANSISTOR	1	
	Q4930	B1ADCF000194	TRANSISTOR	1	PAVCA
	Q4971	B1ABCE000015	TRANSISTOR	1	
	Q5684	B1ADCE000022	TRANSISTOR	1	
	Q8100	B1MBEDA00027	FET	1	PAVCA
	Q8102	B1MBEDA00027	FET	1	PAVCA
	Q8900	B1ADCF000194	TRANSISTOR	1	PAVCA
	Q16001	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16003	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16022	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16023	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16101	B1CFRM000015	TRANSISTOR	1	
	Q16102	B1CFRM000015	TRANSISTOR	1	
	Q16141	B1HFPFA00002	TRANSISTOR	1	
	Q16161	B1HFPFA00002	TRANSISTOR	1	
	Q16280	B1ABCE000015	TRANSISTOR	1	
	Q16401	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16402	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16421	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16422	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16423	DG3C3010CL	TRANSISTOR	1	PAVCA
	Q16441	B1JAEN000015	TRANSISTOR	1	PAVCA
	Q16451	B1JAEN000015	TRANSISTOR	1	PAVCA
	Q16471	B1ABCE000015	TRANSISTOR	1	
	Q16501	B1HFPFA00002	TRANSISTOR	1	
	Q16521	B1HFPFA00002	TRANSISTOR	1	
	Q16531	B1HFPFA00002	TRANSISTOR	1	
	Q16551	B1HFPFA00002	TRANSISTOR	1	
	Q16601	B1CERQ000061	FET	1	
	Q16602	DSA2001S0L	TRANSISTOR	1	
	Q16606	DSC2001S0L	TRANSISTOR	1	
	Q16607	B1CBGD000001	FET	1	
	Q16621	B1JBDN000004	TRANSISTOR	1	PAVCA
	Q16622	B1JBDN000004	TRANSISTOR	1	PAVCA
	Q16661	B1JAER000014	TRANSISTOR	1	PAVCA
	Q16762	B1HFPFA00002	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	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	R1121	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R1122	D0GA332JA023	M 3.3KOHM, J,1/16W	1	
	R1123	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R1124	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R1125	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R1126	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R1129	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R2050	ERJ2RKF1741	M 1.74KOHM, F 1/16 W	1	
	R2051	ERJ2RKF1621	M 1.62KOHM, F 1/16 W	1	
	R2052	D1BA2321A014	M2.32KOHM,J.1/16 W	1	
	R2053	D1BA3161A014	M3.16KOHM,J.1/16 W	1	
	R2054	ERJ2RKF2102X	M 2.1KOHM, F 1/16 W	1	PAVCA
	R2810	D0GB470JA065	M 47 OHM,J,1/10W	1	PAVCA
	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	PAVCA
	R2828	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R3004	D0GBR00J0004	M 0 OHM J 1/10W	1	
	R3005	D0GBR00J0004	M 0 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	D0GA393JA023	M 39KOHM,J,1/16W	1	PAVCA
	R3193	D0GA393JA023	M 39KOHM,J,1/16W	1	PAVCA
	R3194	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3198	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3202	D0GA393JA023	M 39KOHM,J,1/16W	1	PAVCA
	R3204	D0GA393JA023	M 39KOHM,J,1/16W	1	PAVCA
	R3209	D1BB75R0A055	M 75 OHM,J.1/10W	1	
	R3756	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	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	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	
	R4691	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4692	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R4694	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4695	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4696	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4697	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4698	D0GAR00J0005	M 0 OHM, 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	
	R4826	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R4901	EXB28V220J	M 22 OHM 1/32 W	1	
	R4902	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R4903	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R4904	D0GDR00J0004	M 0 OHM, 1/4W	1	PAVCA
	R4906	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R4911	D0GDR00J0004	M 0 OHM, 1/4W	1	PAVCA
	R4930	D0GA392JA023	M 3.9KOHM, J,1/16W	1	
	R4931	D0GA221JA023	M220 OHM, J.1/16 W	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	
	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	D0GA223JA023	M 22K OHM J 1/16W	1	
	R5350	D1BB4302A087	M43.0KOHM,J.1/10W	1	PAVCA
	R5351	D1BB8061A087	M8.06 KOHM,J.1/10W	1	PAVCA
	R5352	D0GB390JA065	M 39 OHM,J,1/10W	1	PAVCA
	R5353	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R5601	D0GA683JA023	M 68KOHM, J,1/16W	1	
	R5602	D0GA104JA023	M100KOHM, J.1/16 W	1	

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Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	
	R8001	D0GA331JA023	M 330 OHM, J,1/16W	1	
	R8100	D1BB1301A087	M 1.3KOHM,J.1/10W	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	D0GA243JA023	M 24K 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	
	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	
	R8217	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R8218	D0GA221JA023	M220 OHM, J.1/16 W	1	
	R8219	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8220	D1BA2400A014	M 240 OHM,J.1/16 W	1	
	R8221	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8222	EXB28V330J	M 33 OHM 1/32 W	1	
	R8223	EXB28V330J	M 33 OHM 1/32 W	1	
	R8224	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8225	D1BA1001A014	M 1KOHM,J. 1/16 W	1	
	R8301	D0GA681JA023	M680 OHM, 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	
	R8306	D0GA243JA023	M 24K OHM J 0.063W	1	PAVCA
	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	
	R8385	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8386	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8387	D0GA103JA015	M 10KOHM,J,1/16W	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	
	R8571	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8572	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8573	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8574	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8575	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R8577	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8578	D0GA103JA015	M 10KOHM,J,1/16W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R8583	D0GA473JA015	M 47KOHM, J,1/16W	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	
	R8644	D0GAR00J0005	M 0 OHM, 1/16W	1	
	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	
	R8661	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	D0GB390JA065	M 39 OHM,J,1/10W	1	PAVCA
	R8707	D1BB1002A055	M 10KOHM,J.1/10W	1	
	R8755	D0GA104JA023	M100KOHM, J.1/16 W	1	
	R8756	D0GB390JA065	M 39 OHM,J,1/10W	1	PAVCA
	R8757	D1BB4301A055	M4.30KOHM,J.1/10W	1	
	R8758	D1BB2402A055	M 24KOHM,J.1/10W	1	
	R8759	D1BB6041A055	M 6.04KOHM,J.1/10W	1	
	R8760	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R8830	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8833	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8834	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8835	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8836	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8837	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8838	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8873	EXB2HV103JV	M 10 kOHM 1/16 W	1	
	R8909	D0GA222JA023	M 2.2KOHM, J,1/16W	1	
	R8910	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8911	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8914	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
	R8919	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R8924	D0GA472JA023	M 4.7KOHM, 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	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	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	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8938	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R8939	EXB28V560JX	M 56 OHM 1/32 W	1	
	R8940	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8941	D0GA560JA023	M 56 OHM, J,1/16W	1	
	R8950	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R8953	D0GA272JA023	M 2.7KOHM, J.1/16W	1	
	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	
	R8963	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8964	D0GA103JA015	M 10KOHM,J,1/16W	1	
	R8965	EXB28V103JX	M 10KOHM 1/32 W	1	
	R8967	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R8968	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R9035	D0GA332JA023	M 3.3KOHM, J,1/16W	1	
	R9050	D0GA220JA023	M22 OHM, J.1/16 W	1	
	R9105	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R9198	EXB38V101JV	M 100 OHM 1/16 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	
	R9307	D0GA470JA023	M 47 OHM, J,1/16W	1	
	R9308	D0GA470JA023	M 47 OHM, J,1/16W	1	
	R9310	D0GAR00J0005	M 0 OHM, 1/16W	1	
	R9320	D0GA122JA023	M 1.2KOHM, J,1/16W	1	
	R9321	D0GA105JA023	M 1M OHM, J,1/16W	1	
	R9323	D0GA102JA023	M1KOHM, J.1/16 W	1	
	R9324	D0GB162JA065	M 1.6KOHM J 1/10W	1	PAVCA
	R9325	D0GB162JA065	M 1.6KOHM J 1/10W	1	PAVCA
	R9326	D0GB162JA065	M 1.6KOHM J 1/10W	1	PAVCA
	R9327	D0GB162JA065	M 1.6KOHM 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	
	R9503	D0GA473JA015	M 47KOHM, J,1/16W	1	
	R9608	EXB2HV470JV	M 47 OHM 1/16 W	1	
	R9609	EXB38V470J	M 47 OHM 1/16 W	1	
	R9610	EXB38V470J	M 47 OHM 1/16 W	1	
	R9611	EXB38V470J	M 47 OHM 1/16 W	1	
	R9810	D0GB390JA065	M 39 OHM,J,1/10W	1	PAVCA
	R9811	D1BB1502A055	M 15KOHM, J.1/10W	1	
	R9812	D1BB8061A087	M8.06 KOHM,J.1/10W	1	PAVCA
	R9813	D1BB1002A087	M 10KOHM,J.1/10W	1	
	R9907	D0GA101JA015	M 100 OHM, J,1/16W	1	
	R14349	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	R14901	D0GD100JA052	M 10 OHM,J,1/4W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R14911	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	R14943	D0GD470JA052	M 47 OHM,J,1/8W	1	PAVCA
	R14944	D0GD100JA052	M 10 OHM,J,1/4W	1	
	R14949	D0GD203JA052	M 20KOHM,J,1/4W	1	PAVCA
	R14950	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	R14958	D0GB470JA065	M 47 OHM,J,1/10W	1	PAVCA
	R14960	EXB38V470J	M 47 OHM 1/16 W	1	
	R14961	D0GD331JA052	M 330 OHM,J,1/4W	1	PAVCA
	R14962	D0GD331JA052	M 330 OHM,J,1/4W	1	PAVCA
	R14963	D0GD331JA052	M 330 OHM,J,1/4W	1	PAVCA
	R14965	D0GD331JA052	M 330 OHM,J,1/4W	1	PAVCA
	R14975	EXB38V470J	M 47 OHM 1/16 W	1	
	R14989	D1BD1502A044	M 15KOHM,J.1/8 W	1	
	R16001	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16003	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16022	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16023	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16101	D0GD221JA059	M 220 OHM,J,1/4W	1	
	R16102	D0GD221JA059	M 220 OHM,J,1/4W	1	
	R16103	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16104	D0GD100JA059	M 10 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	PAVCA
	R16131	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16132	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	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	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16138	D0GF102JA048	M 1.0 KOHM,J,1/3W	1	PAVCA
	R16141	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16143	D0GB473JA065	M 47KOHM J. 1/10W	1	PAVCA
	R16161	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16163	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	PAVCA
	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
	R16241	EXB38V470J	M 47 OHM 1/16 W	1	
	R16242	EXB38V472JV	M 4.7 kOHM 1/16 W	1	
	R16280	D0GB222JA065	M 2.2KOHM,J,1/10W	1	PAVCA
	R16281	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	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	EXB38V823JV	M 82 kOHM 1/16 W	1	PAVCA
	R16289	D0GF334JA047	M 330KOHMJ,1/3W	1	
	R16290	D0GF334JA047	M 330KOHMJ,1/3W	1	
	R16307	D1BD6802A077	M68.0KOHM,D.1/10W	1	PAVCA
	R16318	D1BD6982A077	M69.8KOHM,D.1/10W	1	PAVCA
	R16319	D1BD2401A077	M 2.4KOHM,D.1/10W	1	PAVCA
	R16320	ERG1SJ683	M 68KOHM, J, 1W	1	
	R16330	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16332	D0GB474JA065	M 470KOHM,J,1/10W	1	PAVCA
	R16334	D0GB472JA065	M 4.7KOHM, J,1/10W	1	
	R16335	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16401	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16402	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	1	
	R16411	D1BD2700A044	M 270 OHM,J.1/8 W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16412	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16413	D0GB331JA065	M330 OHM J 1/10W	1	PAVCA
	R16414	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	R16416	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	R16421	D0GF7R5JA047	M 7.5 OHM,J, 1/3W	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	
	R16471	D0GB392JA065	M 3.9KOHM,J,1/10W	1	PAVCA
	R16472	D0GB222JA065	M 2.2KOHM,J,1/10W	1	PAVCA
	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	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	D1BD2002A077	M 20KOHM,D.1/10W	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	PAVCA
	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
	R16509	D0GF102JA048	M 1.0 KOHM,J,1/3W	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	D0GF101JA048	M 100 OHM,J,1/3W	1	PAVCA
	R16525	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	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16537	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16538	D0GF5R6JA047	M 5.6 OHM,J, 1/3W	1	
	R16541	D0GF393JA047	M 39 KOHM,J, 1/3W	1	PAVCA
	R16542	D0GF393JA047	M 39 KOHM,J, 1/3W	1	PAVCA
	R16543	D1BD6811A044	M6.81KOHM,J.1/8 W	1	
	R16544	D1BB1001A055	M 1KOHM,J. 1/10W	1	
	R16545	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	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	PAVCA
	R16579	EXB38V470J	M 47 OHM 1/16 W	1	
	R16581	D0GB223JA065	M 22KOHM,J,1/10W	1	PAVCA
	R16586	D1BB3921A055	M3.92KOHM, 1/10W	1	PAVCA
	R16587	D0GB222JA065	M 2.2KOHM,J,1/10W	1	PAVCA

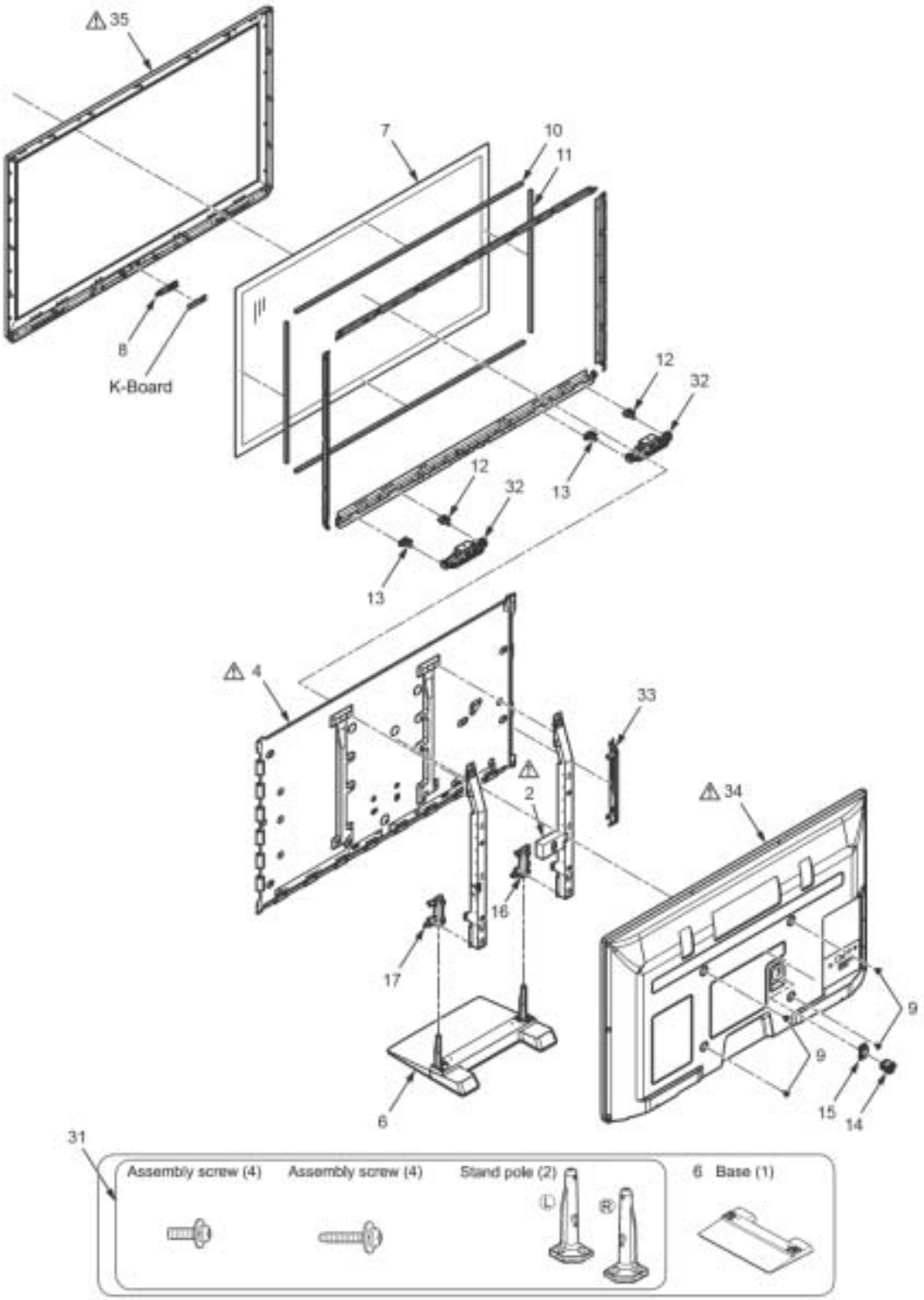
Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16590	D0GB221JA065	M 220 OHM J 1/10W	1	
	R16591	EXB38V472JV	M 4.7 kOHM 1/16 W	1	
	R16593	D1BB1581A055	M 1.58KOHM 1/10W	1	
	R16601	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16604	D0GD331JA052	M 330 OHM,J,1/4W	1	PAVCA
	R16607	D1BB4871A055	M4.87KOHM,J.1/10W	1	PAVCA
	R16609	D0GF102JA047	M 1.0 KOHM,J,1/3W	1	
	R16610	D0GB104JA065	M 100KOHM J 1/10W	1	
	R16612	D0GD470JA059	M 47 OHM,J,1/4W	1	
	R16615	D1BB8250A055	M 825 OHM, 1/10W	1	PAVCA
	R16617	D0GD222JA052	M 2.2KOHM,J,1/4W	1	PAVCA
	R16619	D0GF1R0JA047	M 1 OHM,J,1/3W	1	
	R16621	D0GD221JA052	M 220 OHM,J 1/4W	1	PAVCA
	R16622	D0GD221JA052	M 220 OHM,J 1/4W	1	PAVCA
	R16631	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	R16633	D0GD223JA052	M 22KOHM,J,1/4W	1	PAVCA
	R16634	D0GD222JA052	M 2.2KOHM,J,1/4W	1	PAVCA
	R16658	D1BD9091A077	M 9.09KOHM,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	D0GF202JA047	M 2KOHM,J,1/3W	1	
	R16665	D0GD222JA052	M 2.2KOHM,J,1/4W	1	PAVCA
	R16666	D1BB1003A087	M100KOHM,D 1/16W	1	PAVCA
	R16674	D0GF202JA047	M 2KOHM,J,1/3W	1	
	R16675	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	R16676	D1BD2700A044	M 270 OHM,J.1/8 W	1	
	R16677	D0GF202JA047	M 2KOHM,J,1/3W	1	
	R16678	D0GF202JA047	M 2KOHM,J,1/3W	1	
	R16681	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16682	D0GD100JA059	M 10 OHM,J,1/4W	1	
	R16684	D0GB220JA065	M 22 OHM J 1/10W	1	PAVCA
	R16685	D1BD1500A044	M 150 OHM,J.1/8 W	1	
	R16686	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	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	D1BD5492A044	M54.9KOHM,F.1/8W	1	PAVCA
	R16791	D0GB102JA065	M 1KOHM,J,1/10W	1	
	R16815	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	R16822	D1BD8202A044	M 82KOHM,J.1/8 W	1	
	R16823	D1BD6982A044	M69.8KOHM,F.1/8W	1	PAVCA
	R16824	D1BD3652A044	M36.5KOHM,F.1/8W	1	PAVCA
	R16825	D0GD154JA059	M 150KOHM,J,1/4W	1	
	R16826	D0GB103JA065	M 10K OHM J 1/10W	1	PAVCA
	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	ERG1FJS104D	M 100KOHM, J, 1W	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	D1BD6982A077	M69.8KOHM,D.1/10W	1	PAVCA
	R16846	D1BD6042A077	M60.4KOHM,D.1/10W	1	PAVCA
	R16847	D1BD6492A077	M64.9KOHM,D.1/10W	1	PAVCA
	R16851	D0GB474JA065	M 470KOHM,J,1/10W	1	PAVCA
	R16852	D0GB474JA065	M 470KOHM,J,1/10W	1	PAVCA
	R16856	D0GB102JA065	M 1KOHM,J,1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R16873	ERA6YEB242	M 2.4KOHM, B 1/10W	1	
	R16891	D1BF5762A058	M 57.6KOHM, 1/4W	1	PAVCA
	R16892	D1BF5902A058	M 59KOHM, 1/4W	1	PAVCA
	R16893	D1BF5902A058	M 59KOHM, 1/4W	1	PAVCA
	R16894	D1BB1211A087	ERJ3RBD1211V	1	PAVCA
	R16895	D1BB7871A087	M7.87KOHM,J.1/10W	1	PAVCA
	R16896	D1BF5902A058	M 59KOHM, 1/4W	1	PAVCA
	R16897	D1BB3922A055	M39.2KOHM, 1/10W	1	PAVCA
	R16898	D1BB5231A055	M5.23KOHM,J.1/10W	1	PAVCA
	R16899	D1BB5231A055	M5.23KOHM,J.1/10W	1	PAVCA
	R16900	D1BB1182A055	M11.8KOHM, 1/10W	1	PAVCA
	R16901	D1BB2801A055	M2.8KOHM, 1/10W	1	PAVCA
	R16902	D0GB6R2JA065	M 6.2 OHM J 1/10W	1	PAVCA
	R16921	D1BB2152A055	M 21.5KOHM, 1/10W	1	PAVCA
	R16922	D1BB9531A055	M9.53KOHM,J.1/10W	1	
	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	PAVCA
	R17102	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17103	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17104	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17105	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17106	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17107	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17108	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	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	
	R17137	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17161	D0GB470JA065	M 47 OHM,J,1/10W	1	PAVCA
	R17162	D0GB470JA065	M 47 OHM,J,1/10W	1	PAVCA
	R17163	D0GB681JA065	M 680 OHM,J,1/10W	1	PAVCA
	R17164	D0GB681JA065	M 680 OHM,J,1/10W	1	PAVCA
	R17169	EXB38V470J	M 47 OHM 1/16 W	1	
	R17170	EXB38V681J	M 680 OHM 1/16 W	1	
	R17198	D0GD224JA052	M 220KOHM,J,1/4W	1	PAVCA
	R17199	D0GF151JA047	M 150 OHM,J, 1/3W	1	
	R17201	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17202	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17203	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17204	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17205	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17206	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17207	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17208	D0GB101JA065	M 100 OHM,J,1/10W	1	PAVCA
	R17213	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17215	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17227	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17229	D0GZ1R0JA020	M 1 OHM, J,1/2W	1	
	R17261	D0GB470JA065	M 47 OHM,J,1/10W	1	PAVCA
	R17262	D0GB470JA065	M 47 OHM,J,1/10W	1	PAVCA
	R17263	D0GB681JA065	M 680 OHM,J,1/10W	1	PAVCA
	R17264	D0GB681JA065	M 680 OHM,J,1/10W	1	PAVCA
	R17267	EXB38V470J	M 47 OHM 1/16 W	1	
	R17268	EXB38V470J	M 47 OHM 1/16 W	1	
	R17269	EXB38V681J	M 680 OHM 1/16 W	1	
	R17270	EXB38V681J	M 680 OHM 1/16 W	1	
	R17298	D0GD224JA052	M 220KOHM,J,1/4W	1	PAVCA

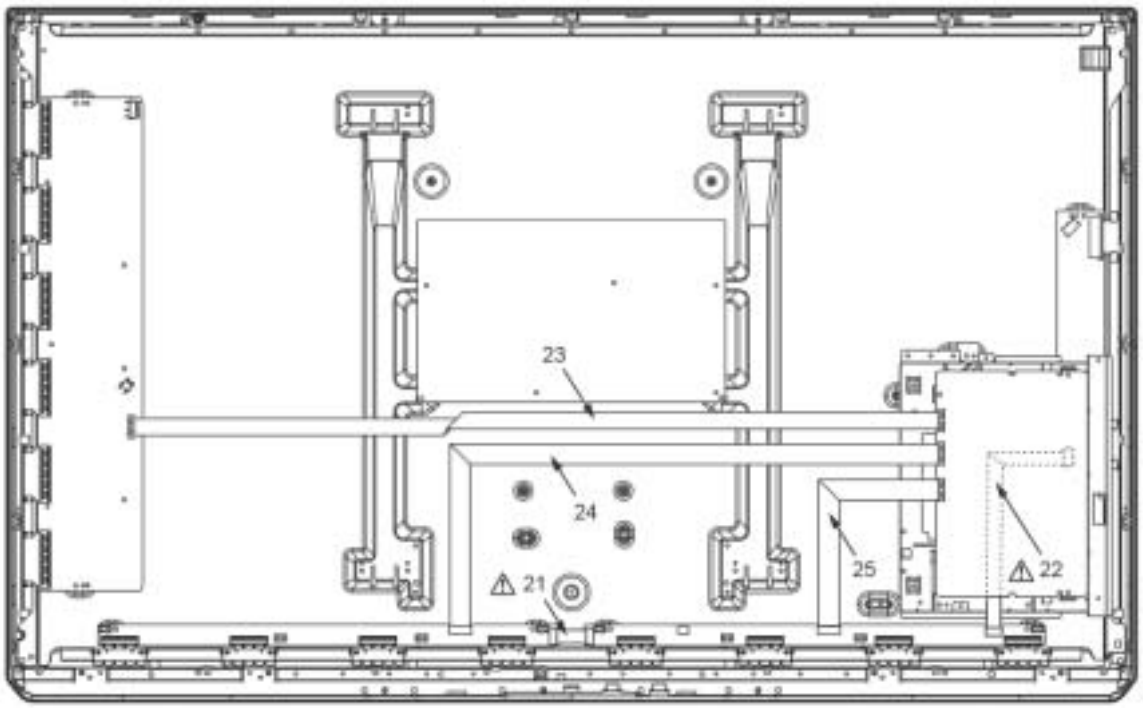
Model No. : TC-P50X3 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	R17299	D0GF151JA047	M 150 OHM,J, 1/3W	1	
	RM2810	B3RAD0000168	REMOTE SENSOR	1	
	SN2	K1KY02B00012	2P CONNECTOR	1	
	SN3	K1KY03BA0236	3P CONNECTOR	1	
	SN20	K1MY30BA0345	30P CONNECTOR	1	
	SN21	K1MND6BA0264	6P CONNECTOR	1	
	SN22	K1MND6BA0264	6P CONNECTOR	1	
	SN23	K1MND6BA0264	6P CONNECTOR	1	
	SN24	K1MND6BA0264	6P CONNECTOR	1	
	SN25	K1MND6BA0264	6P CONNECTOR	1	
	SN26	K1MND6BA0264	6P CONNECTOR	1	
	SN2810	B3JB00000078	IC	1	
	SS3	K1KY03BA0236	3P CONNECTOR	1	
	SS11	K1KY03B00006	3P CONNECTOR	1	
	SS23	K1MY20BA0345	20P CONNECTOR	1	
	SS52	K1MY13BA0376	13P CONNECTOR	1	
	SS55	K1MY13BA0376	13P CONNECTOR	1	
	SW2050	K0H1BA000445	SWITCH	1	
	SW2051	K0H1BA000445	SWITCH	1	
	SW2052	K0H1BA000445	SWITCH	1	
	SW2053	K0H1BA000445	SWITCH	1	
	SW2054	K0H1BA000445	SWITCH	1	
	SW2055	K0H1BA000445	SWITCH	1	
	SW2056	K0H1BA000445	SWITCH	1	
	T8301	G5BYC0000015	TRANS	1	
	T16471	G4DYA0000253	SWITCHING TRANS	1	PAVCA
	T16472	G4DYA0000252	SWITCHING TRANS	1	PAVCA
⚠	TU4801	ENGS6302D5F	TUNER	1	PAVCA
	X8300	H0J245500113	CRYSTAL	1	PAVCA
	X8600	H0J250500109	CRYSTAL	1	PAVCA
	X9300	H0J200500076	CRYSTAL	1	
	ZA16002	K4AZ01D00004	TERMINAL	1	
	ZA16402	K4AZ01D00004	TERMINAL	1	
	ZA16403	K4AZ01D00004	TERMINAL	1	
	ZA17103	K4CD01000013	AV TERMINAL	1	
	ZA17203	K4CD01000013	AV TERMINAL	1	

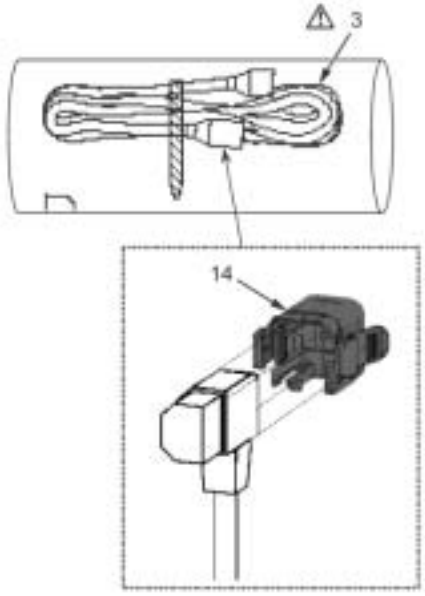
Model No. : TC-P50X3 Exploded View 1



Model No. : TC-P50X3 Exploded View 2




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Model No. : TC-P50X3 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	10030-0061100	BATTERY COVER	1	PAVCA
⚠	2	K2AHYH000040	AC INLET WITH CABLE	1	PAVCA
⚠	3	K2CG3YY00060	AC CORD(USA)	1	PAVCA
⚠	4	MD50H14C1A	PLASMA DISPLAY PANEL	1	PAVCA
	5	N2QAYB000570	REMOTE CONTROL	1	PAVCA
	6	TBLX0135	PEDESTAL STAND	1	PAVCA
		THEJ036J	SCREW(TUNER SHEILD:3)	3	
		THEJ036J	SCREW(P:5 SS:3 SN:6)	14	
		THEJ036J	SCREW(DD:16 C:8)	24	
		THEL052Z	SCREW(BC_TOP:2/FE-GHT:2/GHB:2 SP BRKT:4)	10	chap.3.1. (1)
		THEL052Z	SCREW(HANGER METAL ASSY:4)	4	
		THEL052Z	SCREW	8	
	7	TKGA5670	FRONT GLASS	1	PAVCA
	8	TKK2AC5008	LED PANEL	1	PAVCA
	9	TKKL5493	M8 CAP	4	chap.3.1. (6)
	10	TMK2AG08005	SPONGE(FRONT GLASS/UPPER/BOTTOM)	2	PAVCA
	11	TMK2AG08006	SPONGE(FRONT GLASS/LEFT/RIGHT)	2	PAVCA
		TMME332	CLAMPER(HANGER:4)	4	
		TMME332	CLAMPER	3	
	12	TMW2AA003	SP BRACKET L	2	PAVCA
	13	TMW2AA004	SP BRACKET R	2	PAVCA
	14	TMXX064	AC CORD CLAMPER A	1	
	15	TMXX065	AC CORD CLAMPER B	1	
	16	TMZ2AX5010	STAND BRACKET-L	1	PAVCA
	17	TMZ2AX5011	STAND BRACKET-R	1	PAVCA
		TPD169487	JOINT	4	
⚠	18	TQB2AA0597	INSTRUCTION BOOK(ENG/FRE/SPA)	1	PAVCA
⚠	21	TSXL927	CABLE (C10-C20)	1	
⚠	22	TSXM230	CABLE (C23-SS23)	1	PAVCA
	23	TSXM248	CABLE (A23-SN20)	1	PAVCA
	24	TSXM249	CABLE (C11-A33)	1	PAVCA
	25	TSXM250-1	CABLE (C21-A34)	1	PAVCA
	31	TXFBL01LNUU	STAND ACCESSORY ASSY	1	PAVCA
	32	TXFEA01ZSER	SPEAKER L/R ASSY	2	PAVCA
	33	TXFKP01ZSER	SIDE TERMINAL COVER	1	PAVCA
⚠	34	TXFKU02ZSER	REAR COVER	1	PAVCA
⚠	35	TXFKY01PMUU	CABINET ASSY	1	PAVCA
⚠		TXJA11PMUU	SPEAKER LEAD(A11-SPR/SPL)	1	PAVCA
		XTB4+12GFJ	SCREW(GH:18)	18	
		XTB4+12GFJK	SCREW(BC:11)	11	chap.3.1. (2)
		XTB4+12GFN	SCREW (4*12)	6	
		XTV3+10JFJK	SCREW(REAR AV:2)	2	chap.3.1. (4)
		XYN3+F10FJK	SCREW(BC-AC_INLET:2)	2	chap.3.1. (5)
		XYN3+F8FJ	SCREW(A-PRINT:4)	4	
		XYN3+J10FJ	SCREW	6	
		XYN4+E6FJ	SCREW(INLET:1)	1	