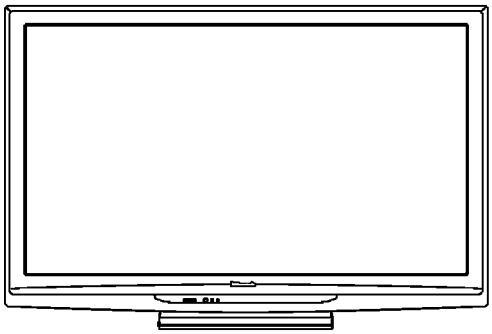
ORDER NO.MTNC100206CE
B34 Canada: B62

Service Manual

50 inch Class 720p Plasma HDTV

Model No. TC-P50C2

GPH13DU 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 Faston 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.

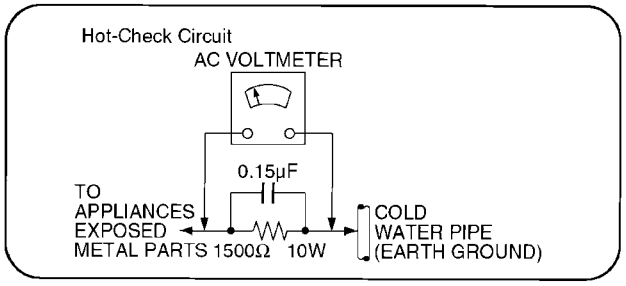


Figure 1

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)

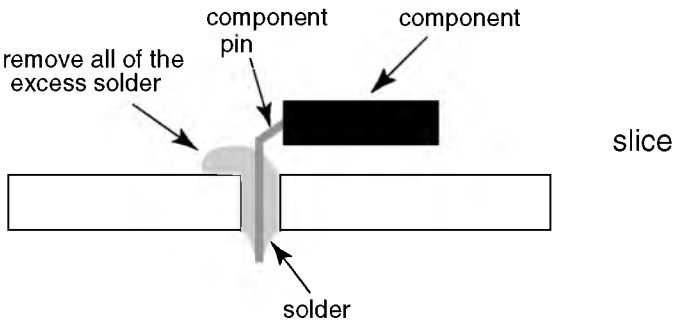
Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although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

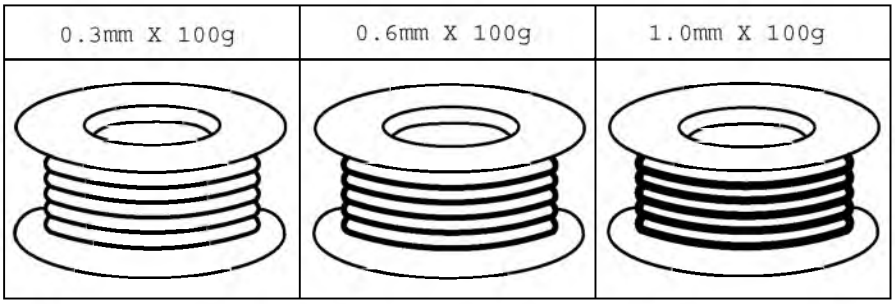
Caution

- 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

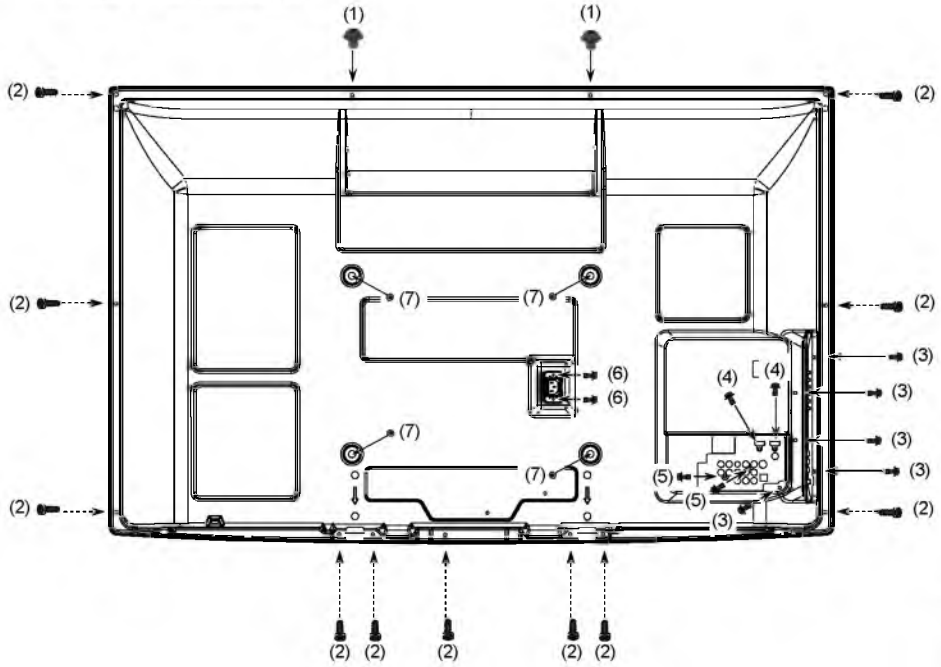
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.



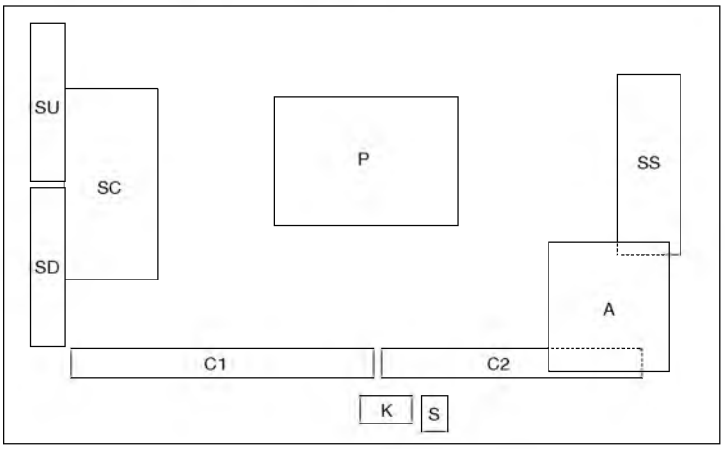
3 Service Navigation

3.1. Service Hint

Remove the Rear cover



Remove:
2screws (1) THEL052Z
11screws (2) XTB4+12GFJK
5screws (3) THEL0429
2screws (4) XSB3+6FJ
2screws (5) XTV3+10JFJK
2screws (6) XYN3+F10FJK
4screws (7) 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)
		SC	Scan Drive
A	DC-DC Converter, Tuner Speaker out, AV Terminal, HDMI in, SD Card Digital Signal Processor, Nile-TCON Format Converter, Plasma AI, Sub-Field Processor Key Switch	SS	Sustain Drive
		SU	Scan out (Upper) Non serviceable. SU-Board should be exchanged for service.
		SD	Scan out (Lower) Non serviceable. SD-Board should be exchanged for service.
K	Remote receiver, Power LED, C.A.T.S sensor		
S	Power Switch		

3.2. Applicable signals

* Mark: Applicable input signal for Component (Y, PB, PR) and HDMI

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

Note

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

4 Specifications

Power Source	AC 120 V, 60 Hz	
Power Consumption		
Maximum	299 W	
Standby condition	0.3 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 1-2	VIDEO:	RCA PIN Type × 1 1.0 V [p-p] (75 Ω)
	AUDIO L-R:	RCA PIN Type × 2 0.5 V [rms]
COMPONENT INPUT 1-2	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.	
Card slot	SD CARD slot × 1	
DIGITAL AUDIO OUT	PCM / Dolby Digital, Fiber Optic	
FEATURES	3D Y/C FILTER	
	CLOSED CAPTION	V-Chip
	VIERA IMAGE VIEWER	HDAVI Control 5
Dimensions (W × H × D)		
Including pedestal	48.0 inch × 32.2 inch × 14.1 inch (1,218 mm × 817 mm × 357 mm)	
TV Set only	48.0inch × 30.3 inch × 3.7 inch (4.1 inch) (1,218 mm × 769 mm × 93 mm (104mm))	
Mass		
Including pedestal	72.8 lb. (33.0 kg)	
TV Set only	70.6 lb. (32.0 kg)	

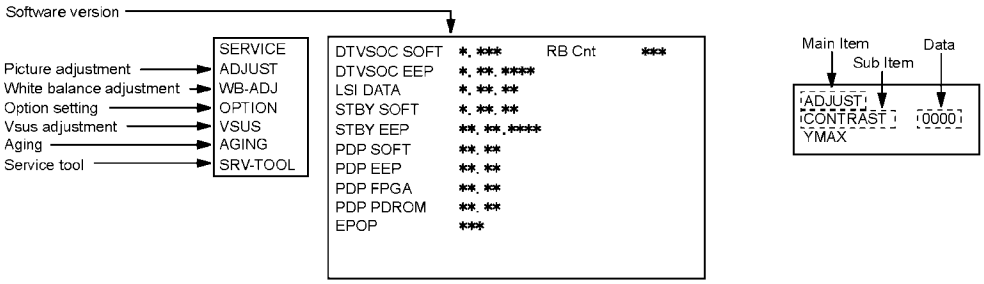
Note

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

5 Service Mode

5.1. How to enter into Service Mode

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



5.1.1. Key command

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

5.1.2. 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	46	
	COLOR	00	
	TINT	00	
	SUB-BRT	000	
WB-ADJ	R-CUT	80	
	G-CUT	80	
	B-CUT	80	
	R-DRV	FD	
	G-DRV	FB	
	B-DRV	FF	
	ALL-DRV	FF	
OPTION	BOOT	ROM	Factory Preset
	STBY-SET	- -	
	EMERGENCY	ON	
	CLK MODE	ON	
	CLOCK	FFF	
	MIRROR	00 (See next)	
	EDID-CLK	HIGH	
VSUS			
AGING	ALL WHITE		Built-in test patterns can be displayed.
	AI ALL BLUE + WHITE FLAME		
	AI ALL GREEN		
	AI ALL RED		
	LOW STEP WHITE		
	LOW STEP BLUE		
	LOW STEP GREEN		
	LOW STEP RED		
	RAMP WHITE		
	RAMP RED		
	RAMP GREEN		
	RAMP BLUE		
	A-ZONE B-ZONE		
	1% WINDOW		
	COLOR BAR		
	9 POINT BRIGHTNESS		
	WHITE FLAME		
	AI ALL BLUE		
	TWICE FIXATION 1% WINDOW		
	SCROLL		
	ON/OFF OR RGBW		
	R/G/B/W AGING MODE		
	0.5 TIME FIXATION ALL WHITE		
	ALL WHITE WITH COUNT		
SRV-TOOL	-		See next

5.1.3. How to exit

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

5.2. 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

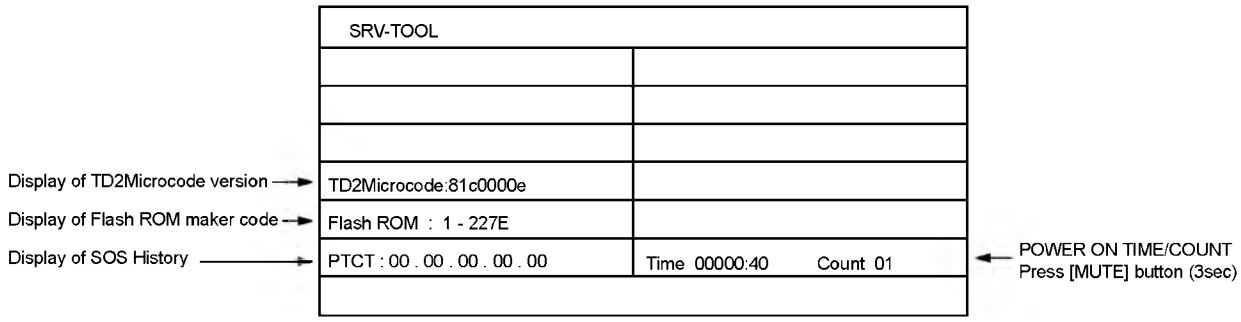
02

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.

5.3. Service tool mode

5.3.1. How to access

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



5.3.2. 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].

5.3.3. POWER ON TIME/COUNT

Note : To display TIME/COUNT menu, highlight position, then press MUTE for (3sec).
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.

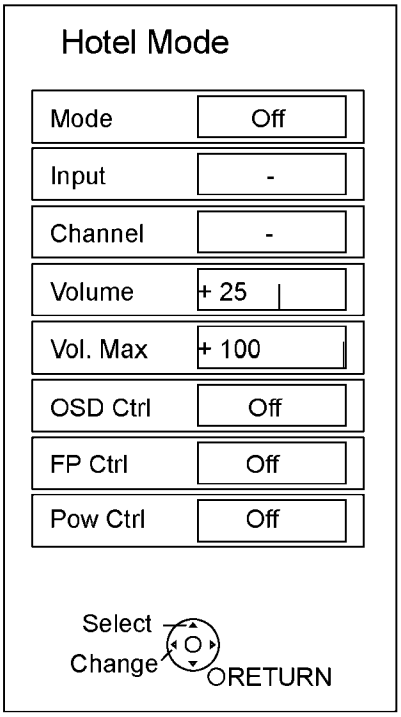
5.3.4. Exit

1. Disconnect the AC cord from wall outlet.

5.4. 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, please enter the following command **(within 2 second)**.
   [TV] : Vol. [Down] + [REMOTE] : INPUT (3 times)

   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

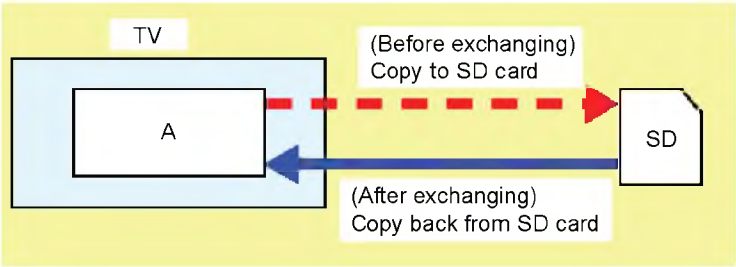
item	Function
Mode	Select hotel mode ON/OFF
Input	Select input signal modes. Set the input, when each time power is switched on. Selection: ---/RF/HDMI1/HDMI2/COMP1/COMP2/ VIDEO1/VIDEO2 • OFF: give priority to a last memory.
Channel	Select channel when input signal is RF. Set the channel, each time power 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/ALL/PATTERN1 • OFF: altogether valid. • ALL: altogether invalid. • PATTERN1: only input key is valid.
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.

5.5. Data Copy by SD Card

5.5.1. Purpose

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

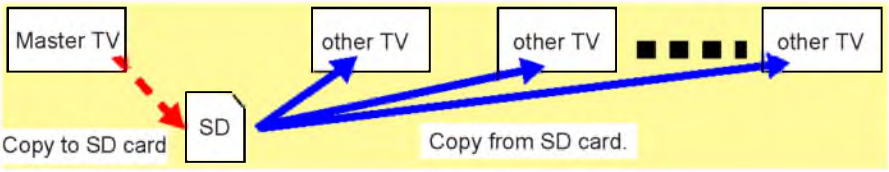
When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



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

5.5.2. 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.

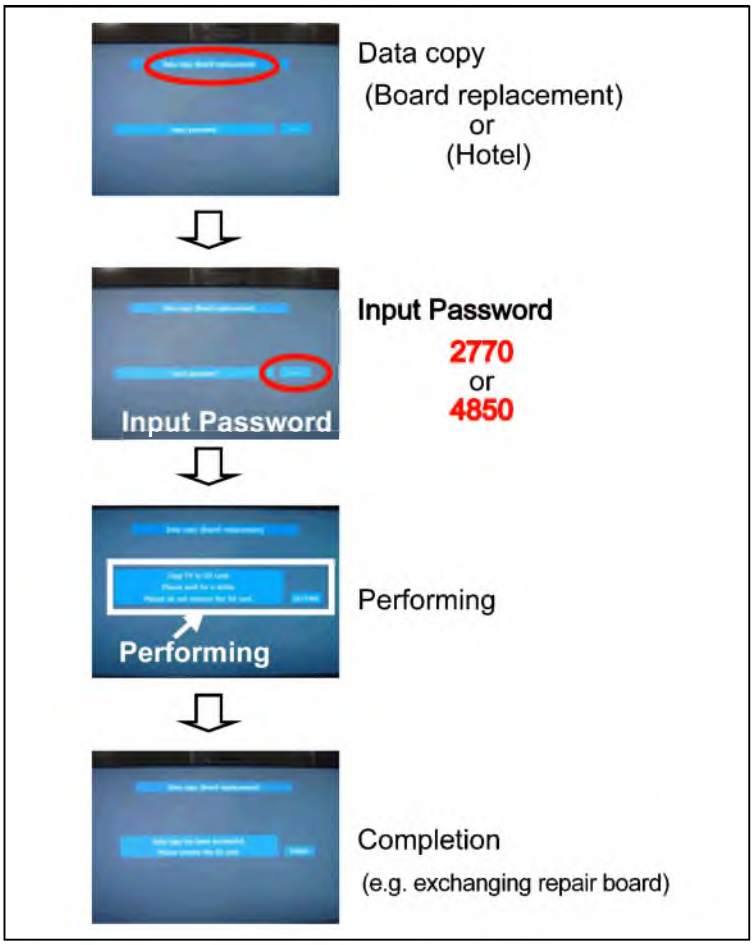
No any other file should not be in SD card.

5.5.3. 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

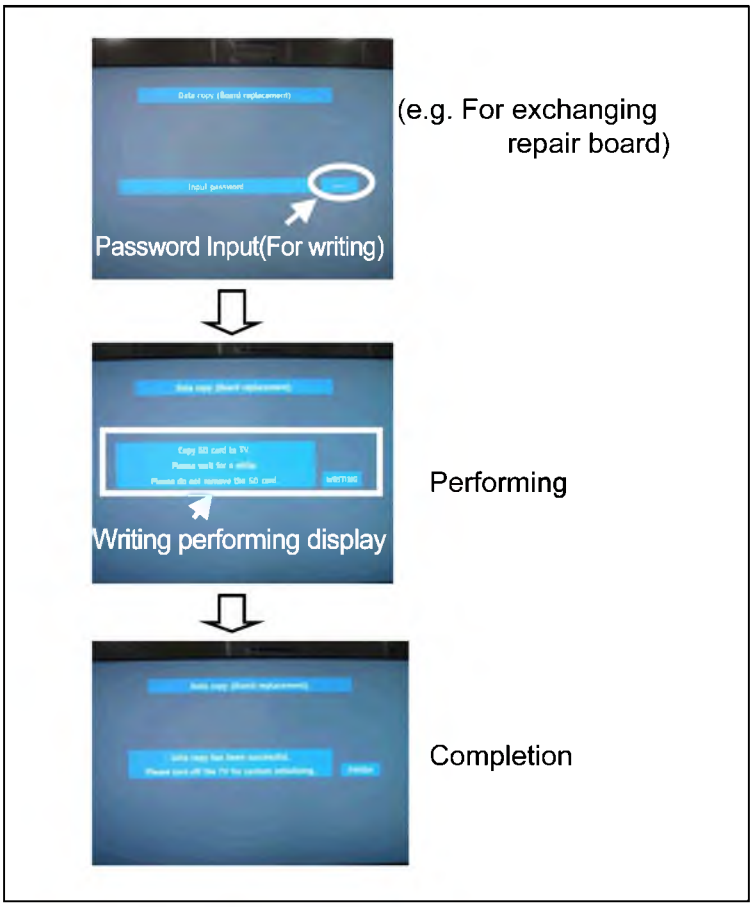


5.5.4. Data copy from to SD Card to TV set

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.



6 Troubleshooting Guide

Use the self-check function to test the unit.

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

6.1. Check of the IIC bus lines

6.1.1. How to access

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.

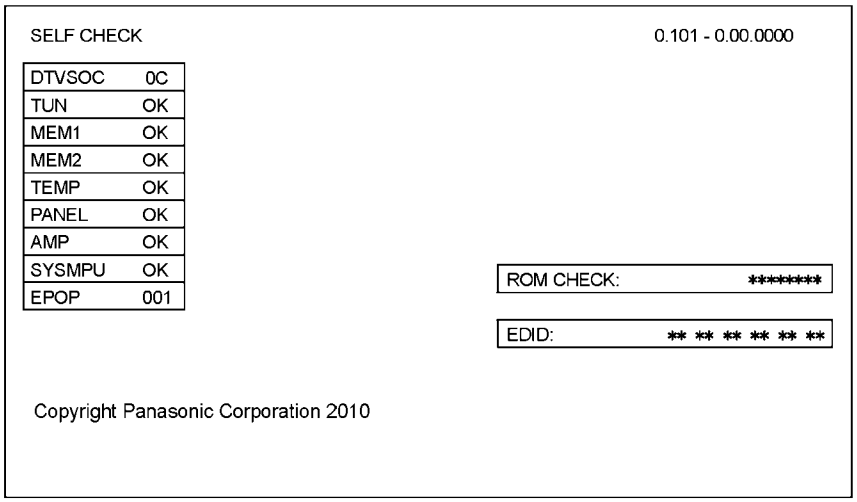
Self-check indication and forced to factory shipment setting:

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

6.1.2. Exit

Disconnect the AC cord from wall outlet.

6.1.3. Screen display



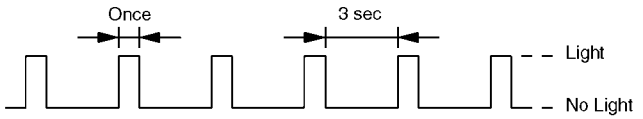
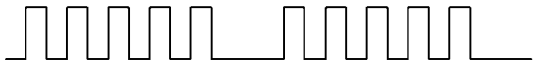
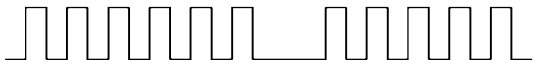
6.1.4. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Ref. No.	Description	P.C.B.
DTVSOC	IC8001	Nile-TCON	A-Board
TUN	TU8302	TUNER	A-Board
MEM1	IC8004	EEPROM (MPU)	A-Board
MEM2	IC8503	EEPROM (Nile)	A-Board
TEMP	IC4701	TEMP SENSOR	A-Board
PANEL	IC9003	PANEL MICOM	A-Board
AMP	IC2106	AUDIO AMP	A-Board
SYSMPU	IC8001	SYSMPU (Nile-TCON)	A-Board

6.2. 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	Blinking timing	Contents	Check point
1		Unknown SOS	-
		Panel information SOS PD4 Start SOS	-
2		15V SOS	A-Board
3		3.3V SOS	A-Board
4		Power SOS	P-Board
5		5V SOS	A-Board
6		Driver SOS1 (SC/SS Energy recovery circuit) (A-SC FPC DET)	SC-Board SS-Board A-SC FPC
7		Driver SOS2 (SU/SD Connector DET) (SU/SD Scan and Logic IC)	SU-Board SD-Board *
8		Driver SOS3 (SS FPC DET)	SS-Board
9		Discharge Control SOS	A-Board
10		Sub 5V SOS Sub 3.3V SOS Sub 9V SOS Tuner Power SOS	A-Board SC-Board SS-Board P-Board
12		Sound SOS	A-Board Speaker

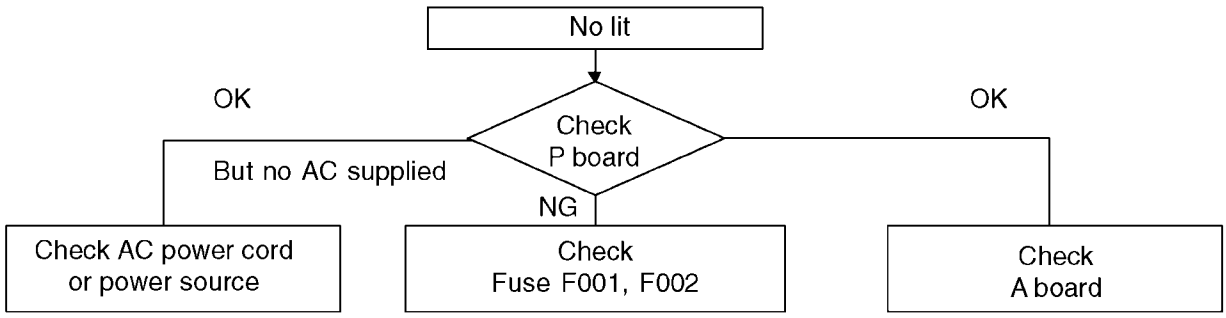
*Use SC jig to isolate the board.

6.3. No Power

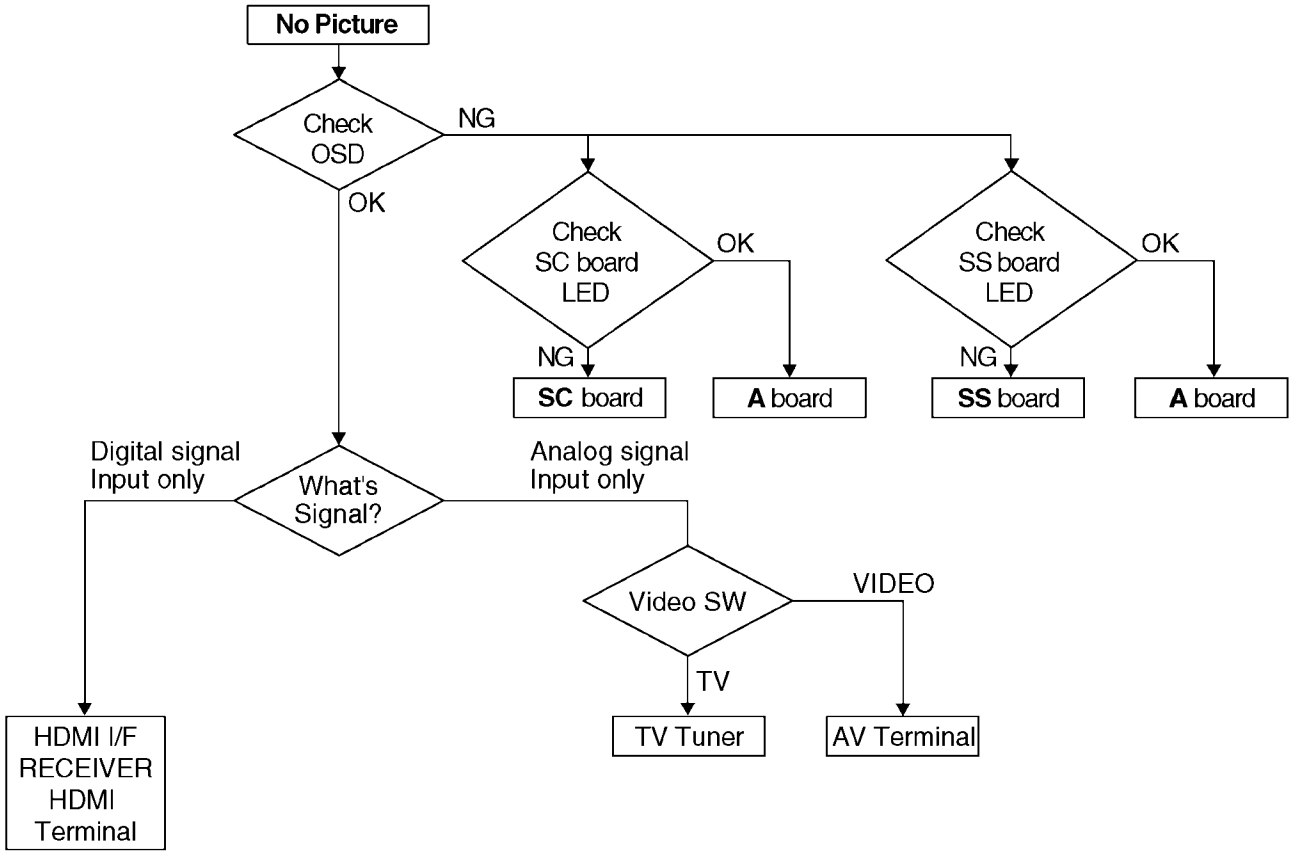
First check point

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

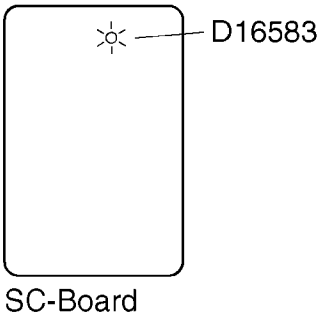
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 6.2.)



6.4. No Picture



Drive circuits LED indicator



6.5. 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.

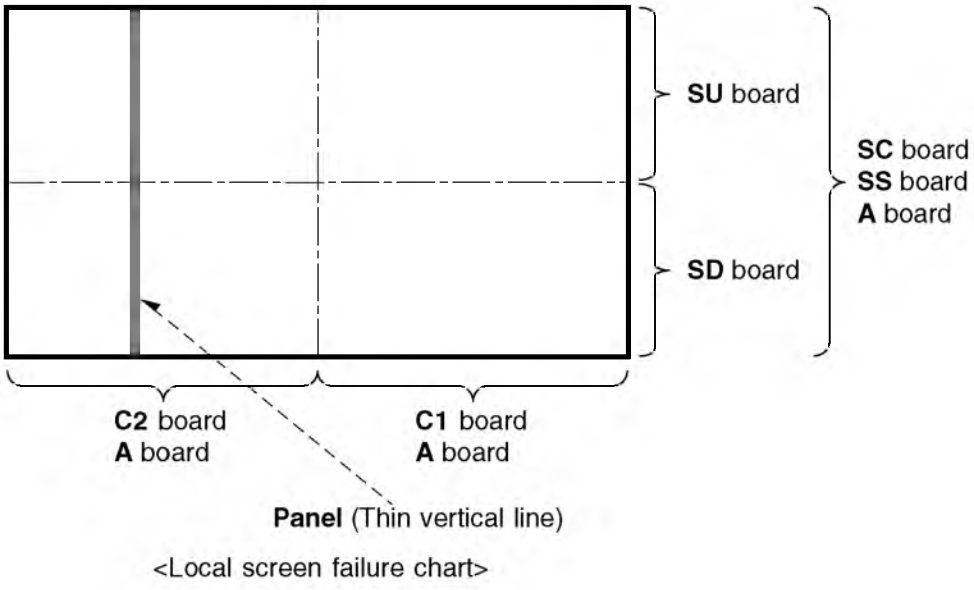


Fig-1

7 Service Fixture & Tools

7.1. SC jig

Purpose:

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

SC jig:

Jumper connector to connect to SC50 connector on SC board

Part number:

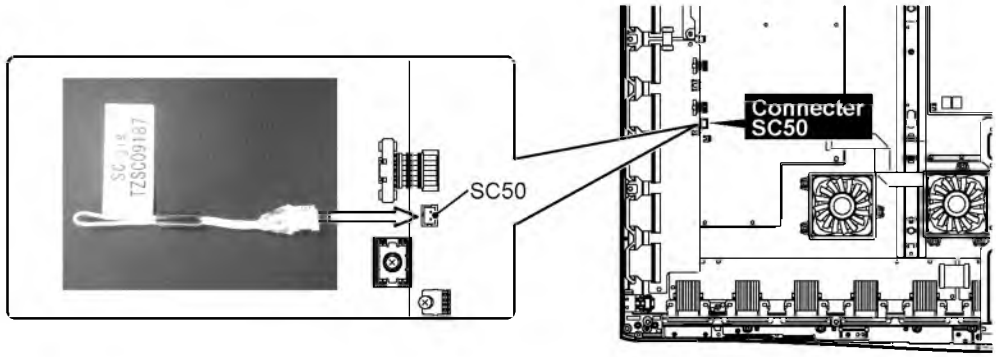
TZSC09187

How to use:

Caution: Remove SC jig from SC board after inspection.

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

Remark: This SC jig can be used for all 2010 Plasma TV and Plasma Display.



8 Disassembly and Assembly Instructions

8.1. Remove the Rear cover

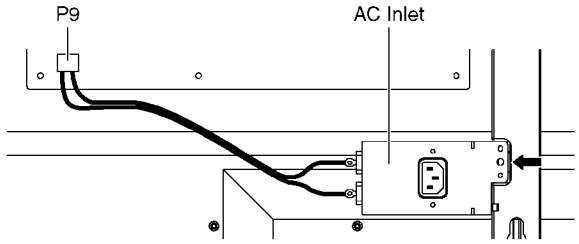
1. See Service Hint (Section 3)

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

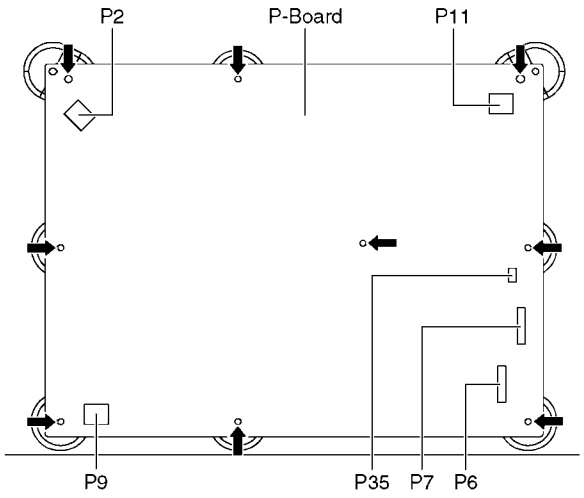


8.3. Remove the P-Board

Caution:

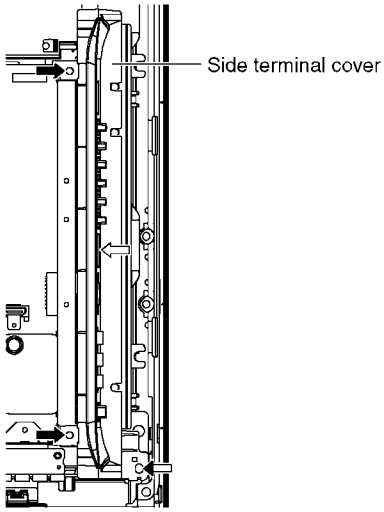
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable
2. Disconnect the connectors (P2, P6, P7, P9, P11 and P35).
3. Remove the screws (×9 ➡) and remove the P-Board.

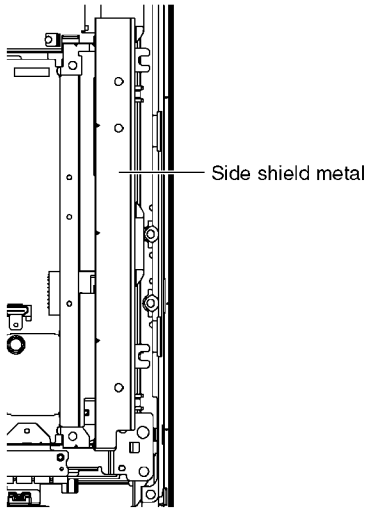


8.4. Remove the Side terminal cover and Side shield metal

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

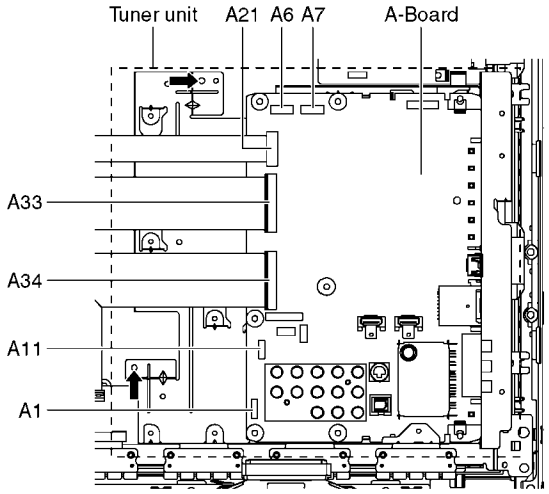


3. Remove the Side shield metal.



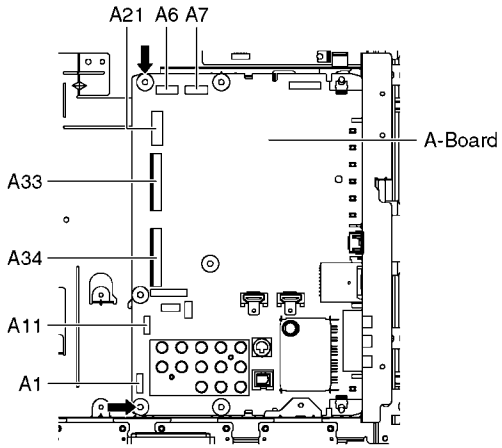
8.5. Remove the Tuner unit

1. Unlock the cable clampers to free the cable.
2. Disconnect the connectors (A1, A6, A7 and A11).
3. Disconnect the flexible cables (A21, A33 and A34).
4. Remove the screws (×2 ➡) and remove the Tuner unit.



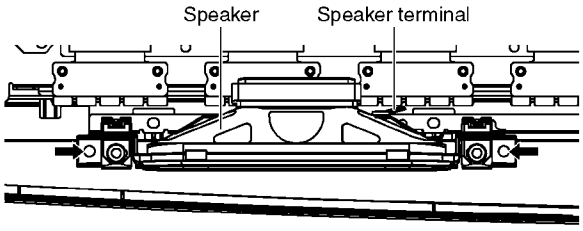
8.6. Remove the A-Board

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



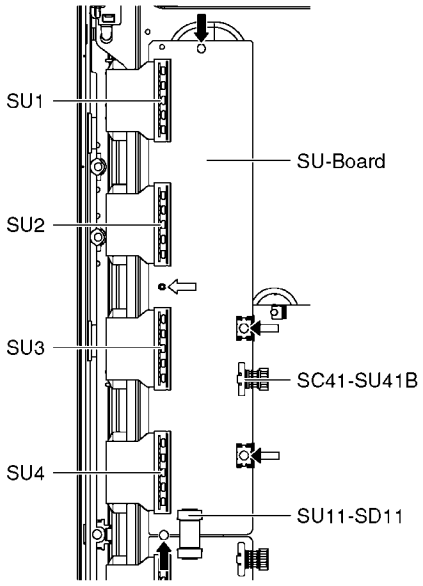
8.7. Remove the Speakers

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).



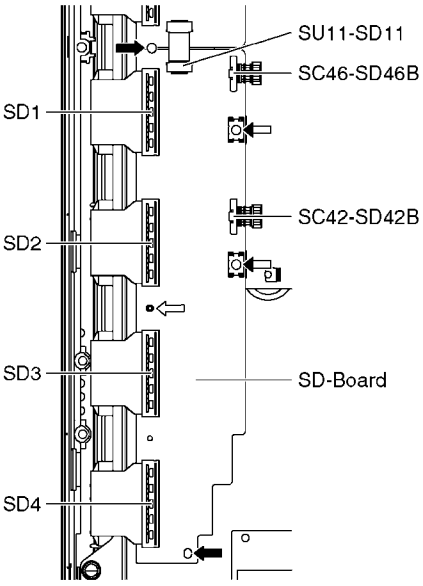
8.8. Remove the SU-Board

1. Remove the flexible cables (SU1, SU2, SU3 and SU4) connected to the SU-Board.
2. Remove the flexible cable (SU11-SD11) and the bridge connector (SC41-SU41B).
3. Remove the molding prop (×1 ⇨).
4. Remove the screws (×2 ➡, ×2 ⇨) and remove the SU-Board.



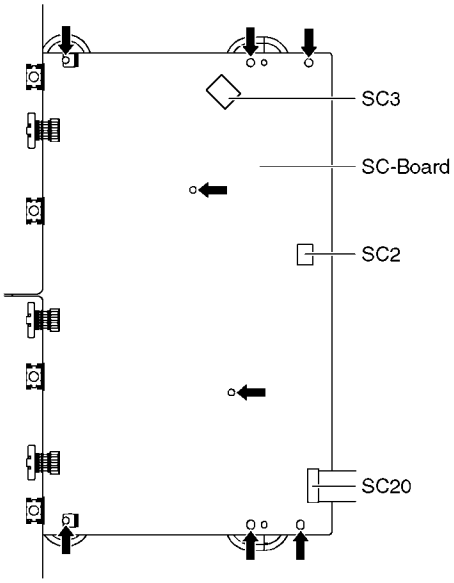
8.9. Remove the SD-Board

1. Remove the flexible cables (SD1, SD2, SD3 and SD4) connected to the SD-Board.
2. Remove the flexible cable (SU11-SD11) and the bridge connectors (SC42-SD42B and SC46-SD46B).
3. Remove the molding prop (×1 ⇨).
4. Remove the screws (×2 ➡, ×2 ⇨) and remove the SD-Board.



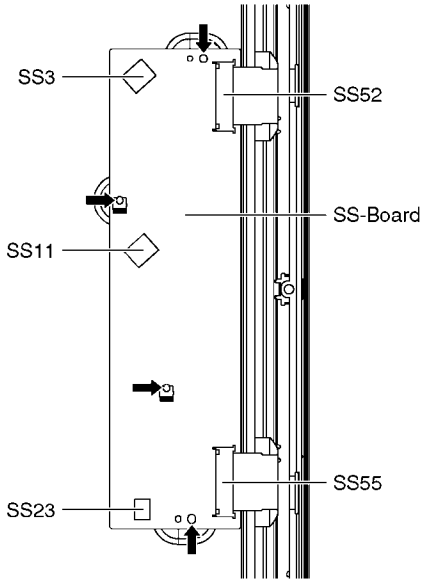
8.10. Remove the SC-Board

1. Remove the SU-Board and SD-Board. (See section 8.8. and 8.9.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (SC2 and SC3).
4. Disconnect the flexible cable (SC20).
5. Remove the screws (×8 ➡) and remove the SC-Board.



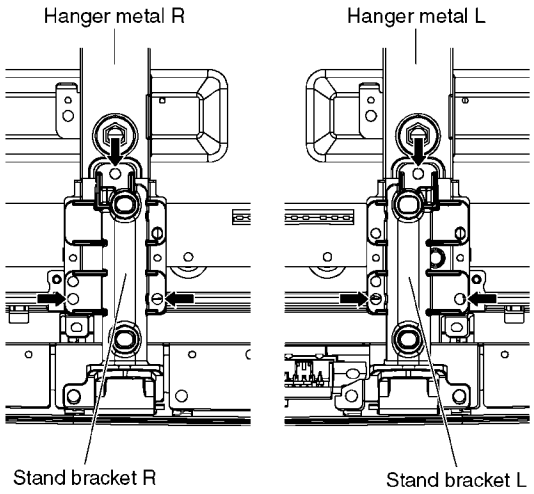
8.11. Remove the SS-Board

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

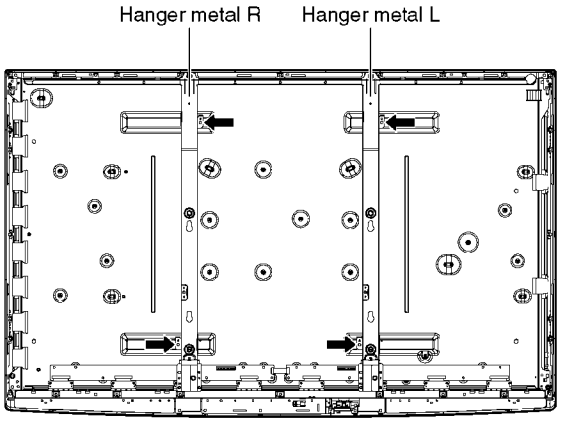


8.12. Remove the Hanger metals and the Stand brackets

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 Stand brackets (L, R) fastening screws (×3 ➡ each) and the Stand brackets (L, R).

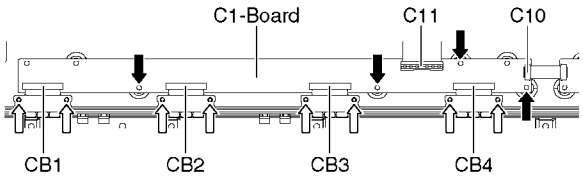


3. Remove the Hanger metals (L, R) fastening screws (×2 ➡ each) and remove the Hanger metals (L, R).



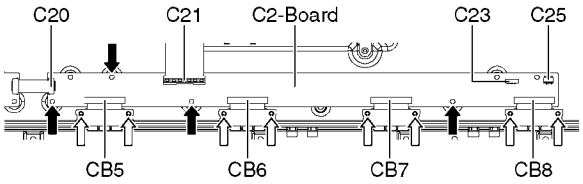
8.13. Remove the C1-Board

1. Remove the Hanger metal R and the Stand bracket R. (See section 8.12.)
2. Remove the flexible cables 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.



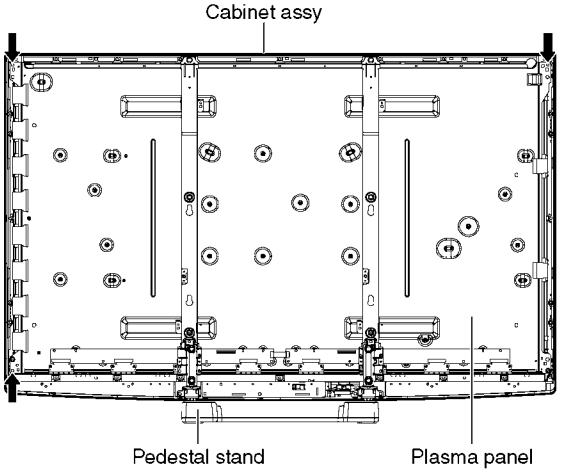
8.14. Remove the C2-Board

1. Remove the Tuner unit. (See section 8.5.)
2. Remove the Hanger metal L and the Stand bracket L. (See section 8.12.)
3. Remove the flexible cables holder fastening screws (×8 ⇨).
4. Disconnect the flexible cables (CB5, CB6, CB7 and CB8).
5. Disconnect the flexible cables (C20 and C21).
6. Disconnect the connectors (C23 and C25).
7. Remove the screws (×4 ➡) and remove the C2-Board.

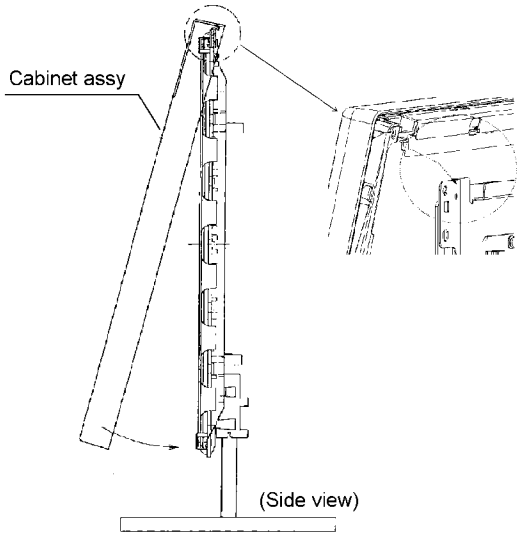


8.15. Remove the Plasma panel section from the Cabinet assy (glass)

1. Remove the cabinet assy and the plasma panel fastening screws (×3 ➡).

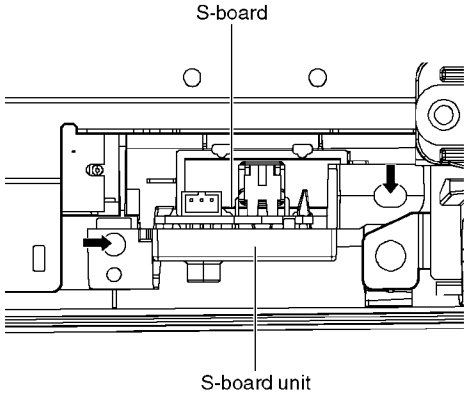


2. For leaving the plasma panel from the front frame, pull the bottom of the cabinet assy forward, lift, and remove.

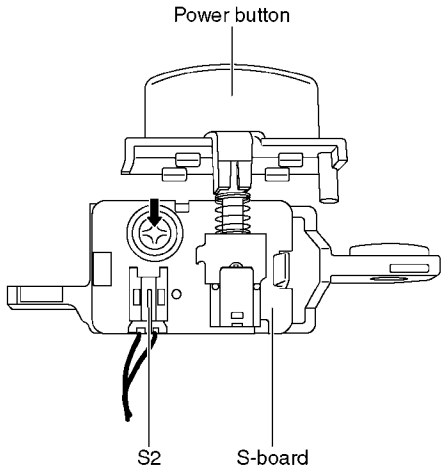


8.16. Remove the S-Board

1. Remove the Cabinet assy. (See section 8.15.)
2. Remove the screws (×2 ➡) and remove the S-Board unit.

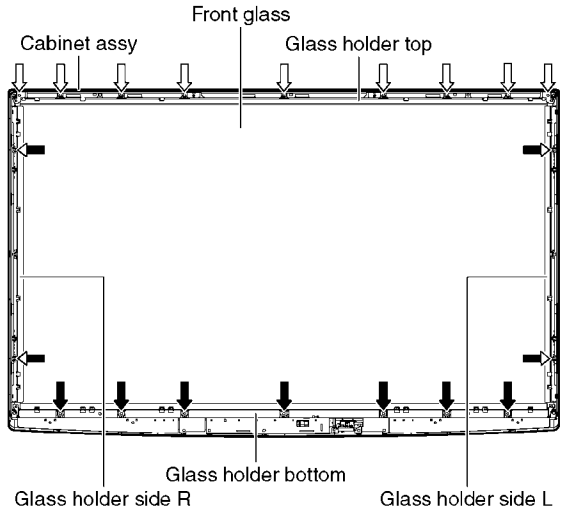


3. Disconnect the connector (S2).
4. Remove the Power Button.
5. Remove the screw (×1 ➡) and remove the S-Board.



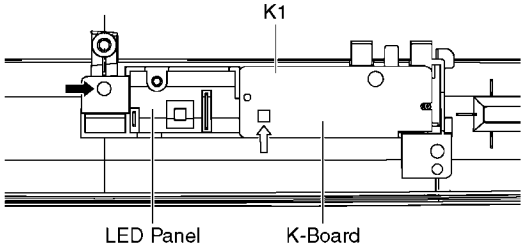
8.17. Remove the Glass holders

1. Remove the Cabinet assy. (See section 8.15.)
2. Remove the S-Board. (See section 8.16.)
3. Remove the screws (×4 ➡).
4. Remove the Glass holder side (L, R).
5. Remove the screws (×9 ⇨).
6. Remove the Glass holder top.
7. Remove the screws (×7 ➡).
8. Remove the Glass holder bottom.



8.18. Remove the K-Board

1. Remove the Glass holders. (See section 8.17.)
2. Remove the screw (×1 ➡).
3. Remove the claw (×1 ⇨).
4. Disconnect the connector (K1) and Remove the K-Board from LED Panel.



8.19. 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

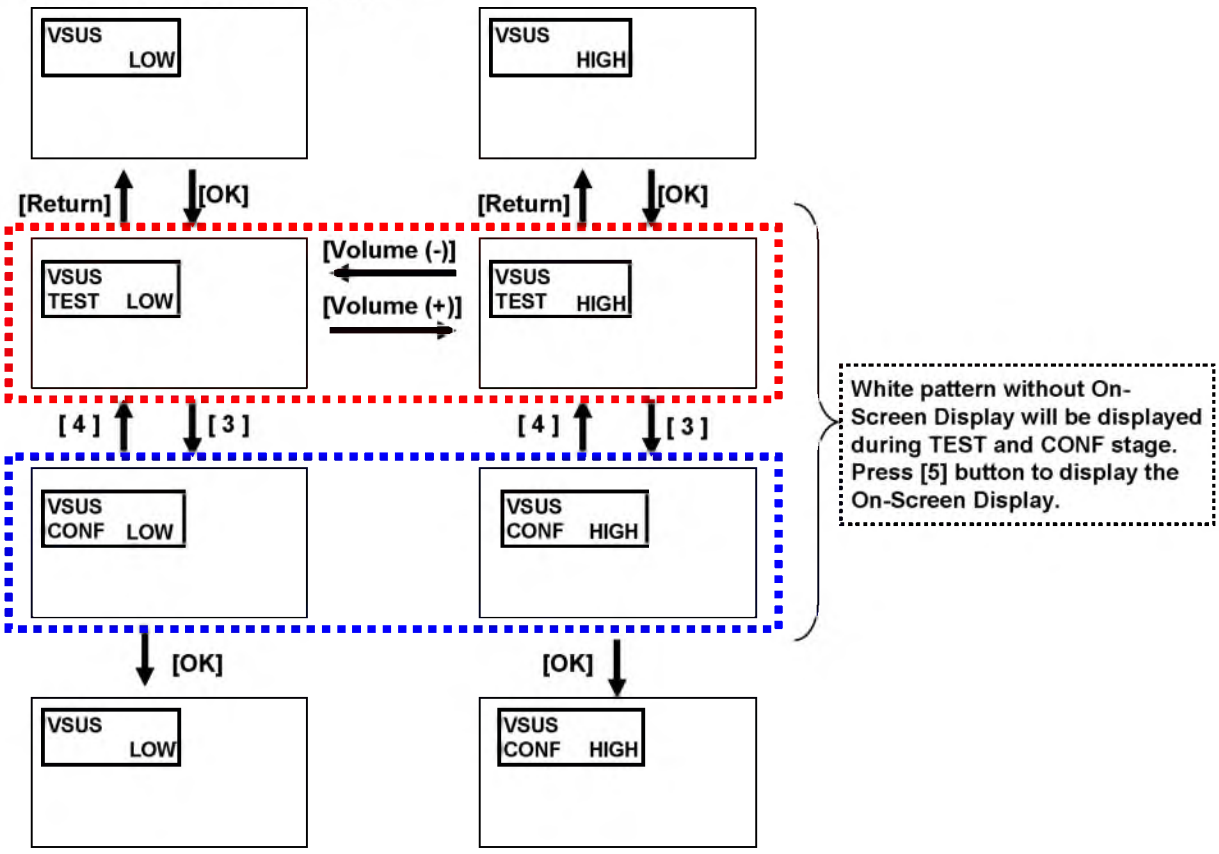
Caution:

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

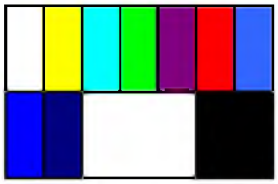
Procedure

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

Name of measuring instrument	Remarks
1. REMOTE TRANSMITTER 2. RF analog signal (Sprit color bar. The pattern for adjustment must contain 100% white part.)	
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 (DTVSOC)	

		adr	data
sub_contrast	RF_NTSC	0150	46
		0151	00

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.	
Procedure	**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 menu, 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. Confirm the brightness within 10 seconds. The following is the confirmation value. TC-P50C2 228cd/m2 In the case of NG for the measurement of the brightness, display black pattern for 30 seconds from turning on the TV set, and after that, display the brightness check pattern and measure the brightness within 2 minutes again. 5. Set [R-CUT] [G-CUT] [B-CUT] the values written in table 1. 6. Attach the sensor of color analyzer to the center of window pattern. 7. Fix G drive at C0h and adjust [B-DRV] and [R-DRV] so x, y value of color analyzer become the [Color temperature High] in table 2. 8. 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]. **Note:** (Note) In procedure 7, all description of data [FF] should be treated as data [FC] when the model is S2/C2/U2/X2 and manual adjustment is performed by service mode menu. 9. 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 (Table 3). 10. The setting value for color temperature Warm will be calculated by multiplying the adjusted valueof 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 (Table 3).	**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 temperatur	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

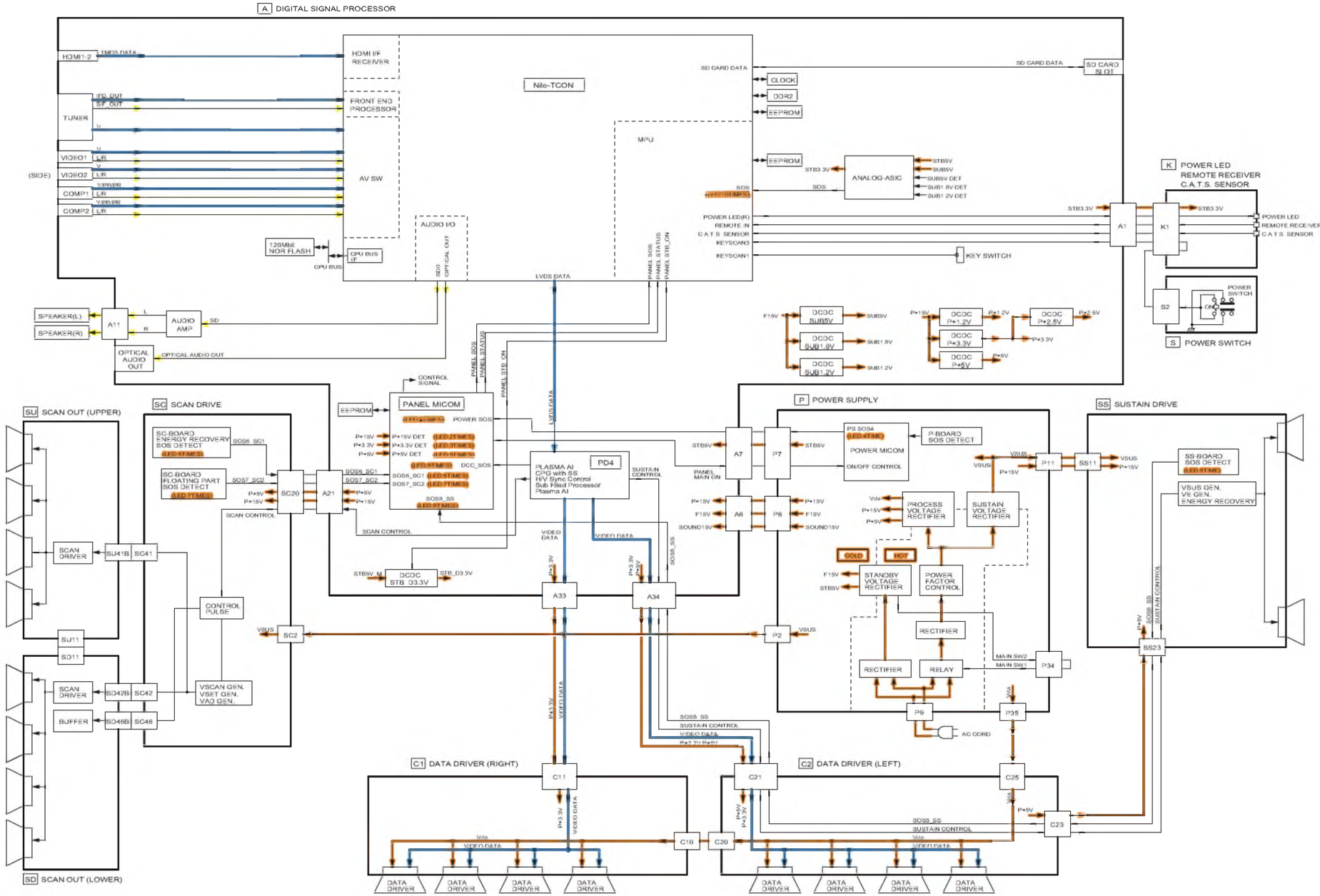
SD Color temperatur High	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	017C 017D 017E 017F 0180 0181
SD Color temperatur Mid	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	0182 0183 0184 0185 0186 0187
SD Color temperatur Low	R-CUTOFF G-CUTOFF B-CUTOFF R-DRIVE G-DRIVE B-DRIVE	0188 0189 018A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

Table 4: EEPROM data addresses

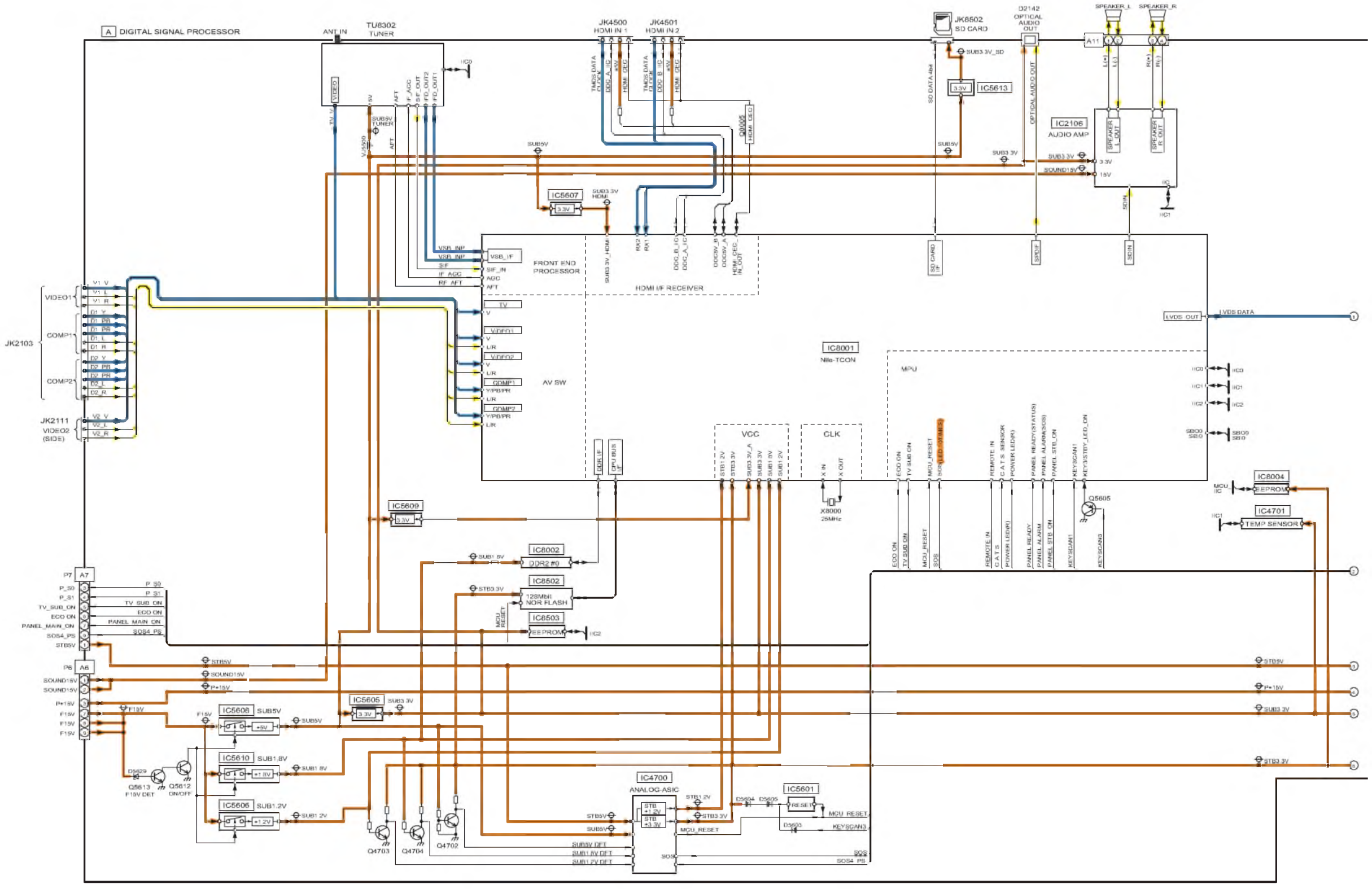
SD Color temperatur High DIFF	R-CUTOFF	01A0
	G-CUTOFF	01A1
	B-CUTOFF	01A2
	R-DRIVE	01A3
	G-DRIVE	01A4
	B-DRIVE	01A5
SD Color temperatur Mid DIFF	R-CUTOFF	01A6
	G-CUTOFF	01A7
	B-CUTOFF	01A8
	R-DRIVE	01A9
	G-DRIVE	01AA
	B-DRIVE	01AB
SD Color temperatur Low DIFF	R-CUTOFF	01AC
	G-CUTOFF	01AD
	B-CUTOFF	01AE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

10 Block Diagram

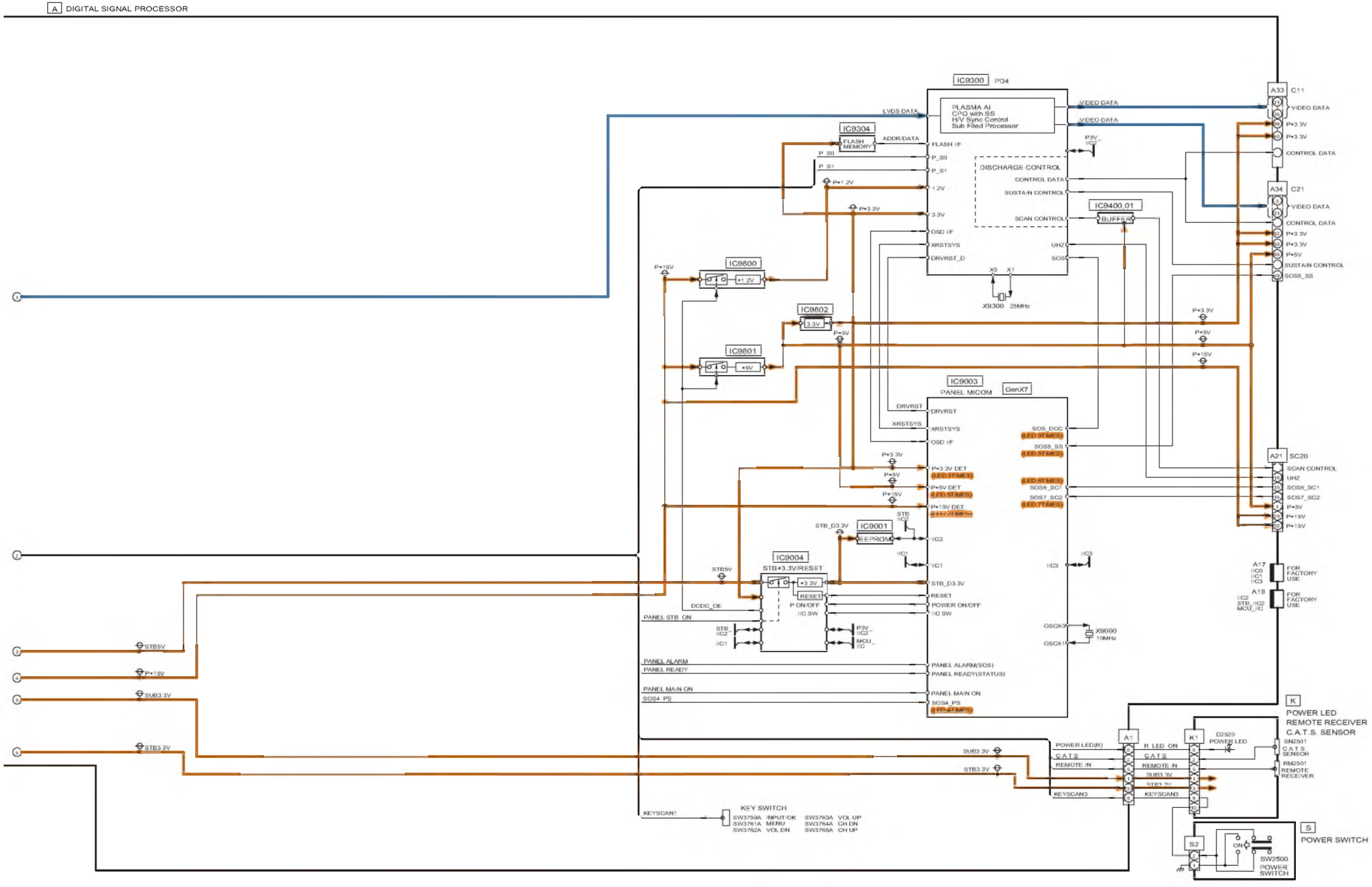
10.1. Main Block Diagram



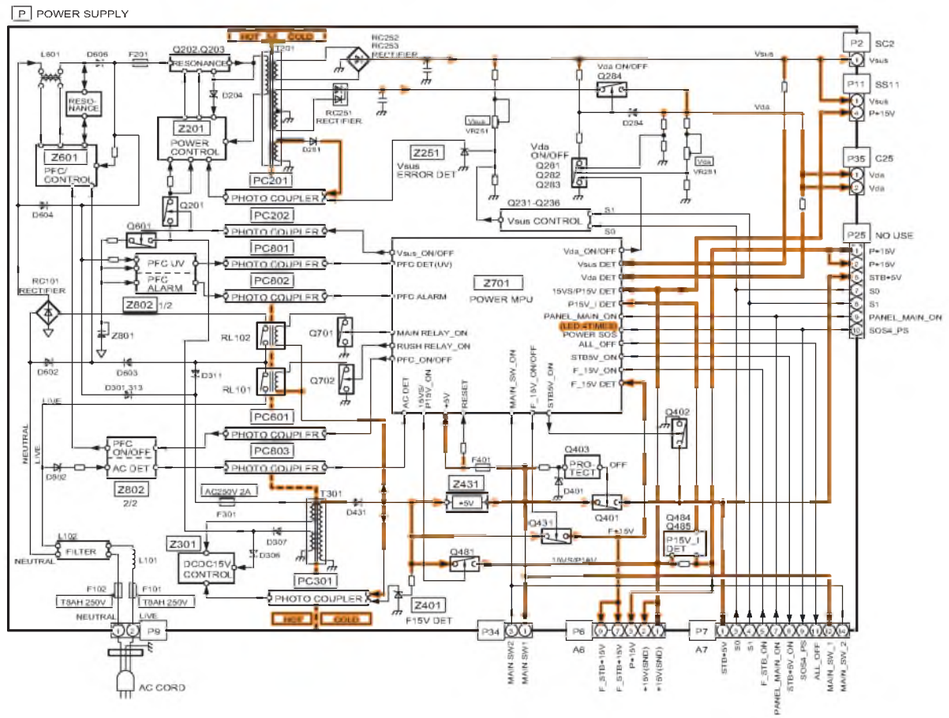
10.2. Block (1/4) Diagram



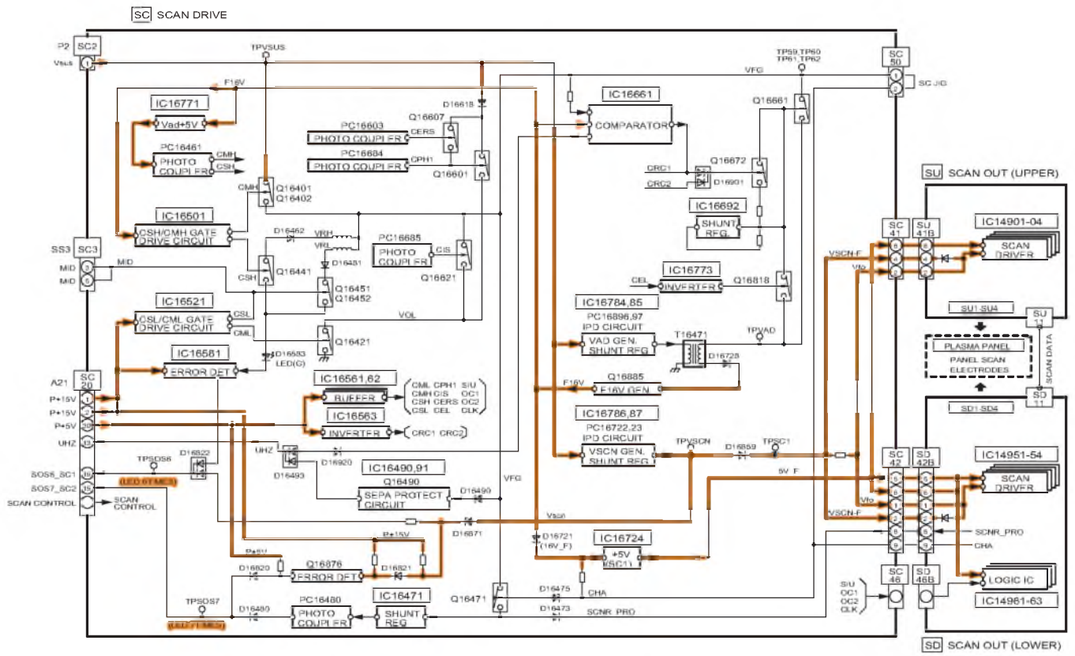
10.3. Block (2/4) Diagram

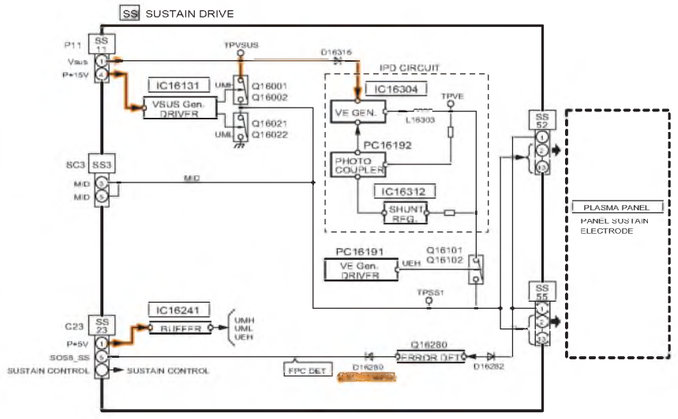


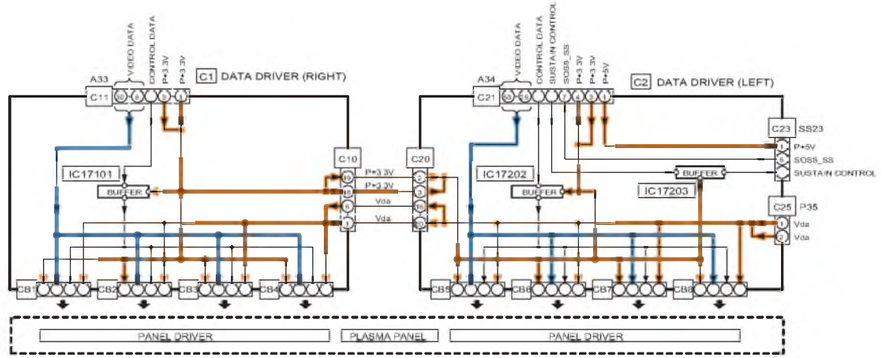
10.4. Block (3/4) Diagram



10.5. Block (4/4) Diagram







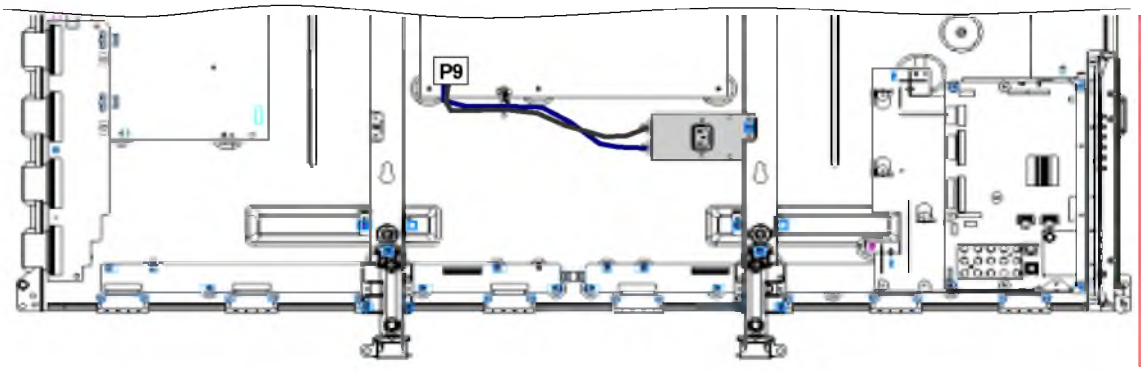
11 Wiring Connection Diagram

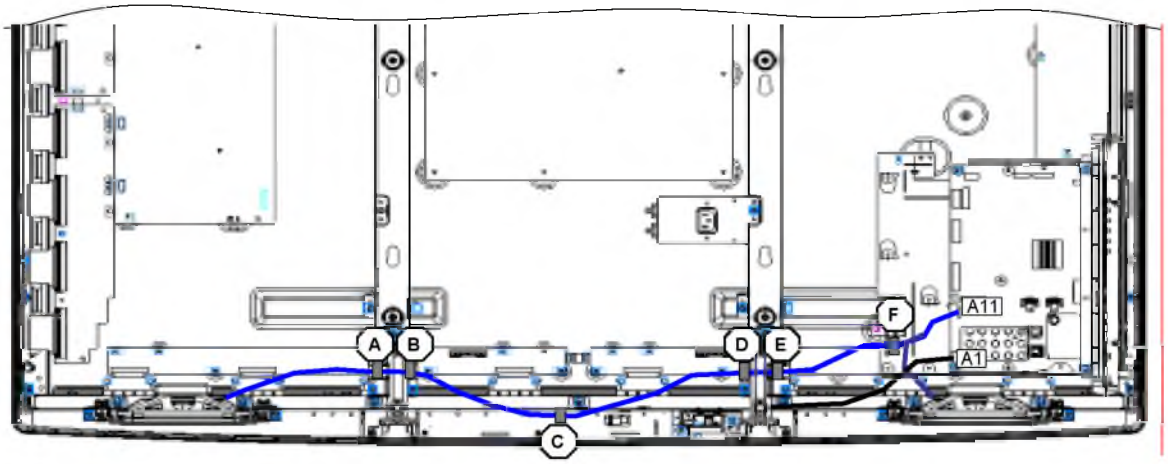
11.1. Caution statement.

Caution:

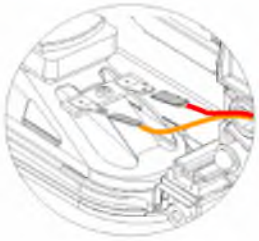
Please confirm that all flexible cables are assembled correctly.
Also make sure that they are locked in the connectors.
Verify by giving the flexible cables a very slight pull.

11.2. Wiring (1)

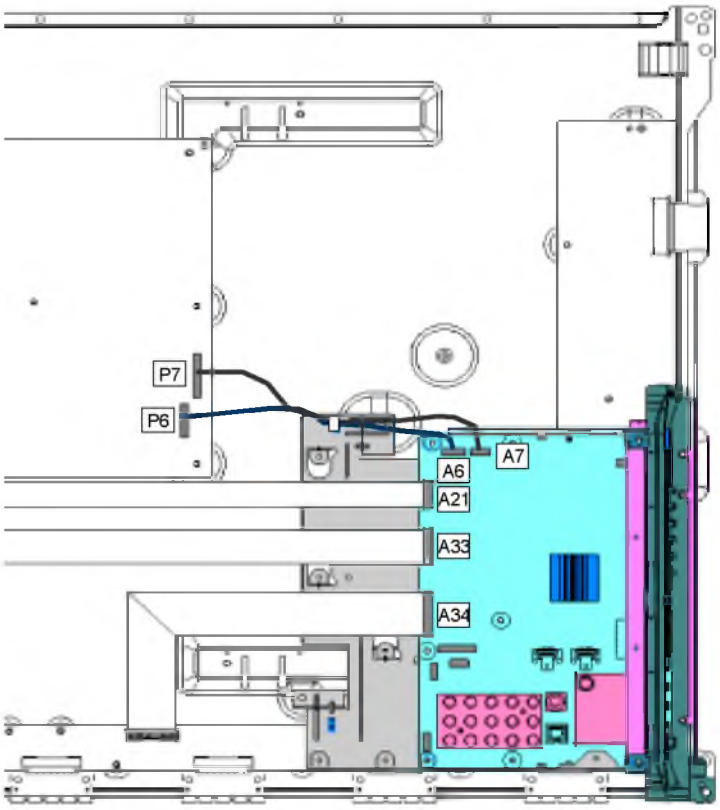


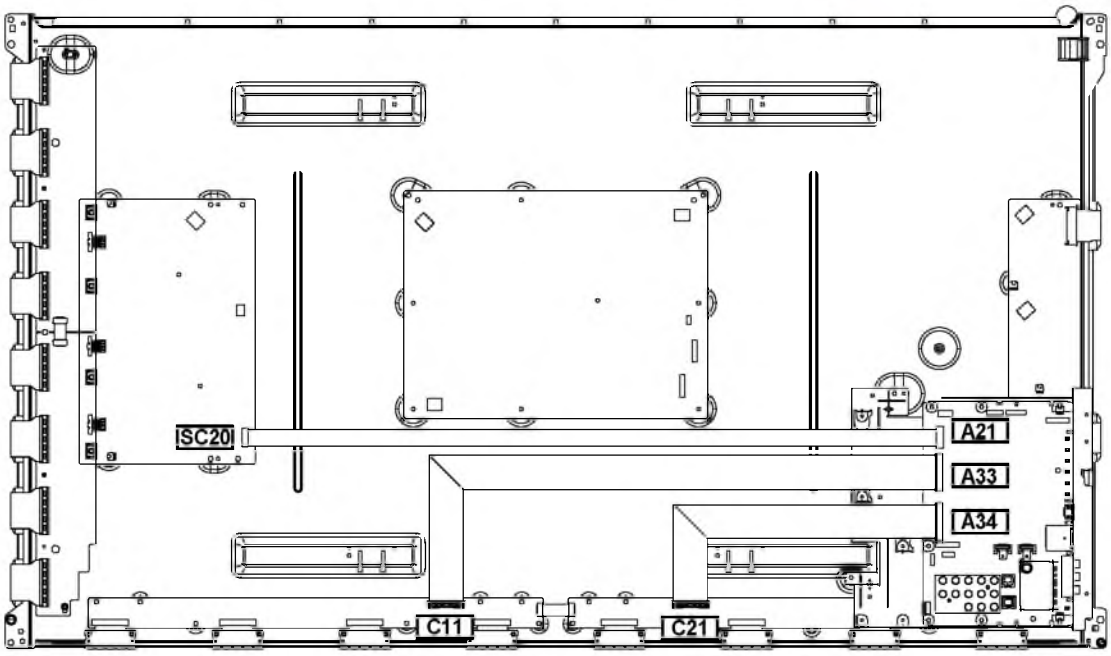


CONNECTOR	A	B	C	D	E	F
A11 - SPR	O	O	O	O	O	O
A11 - SPL						
K1 - A1						

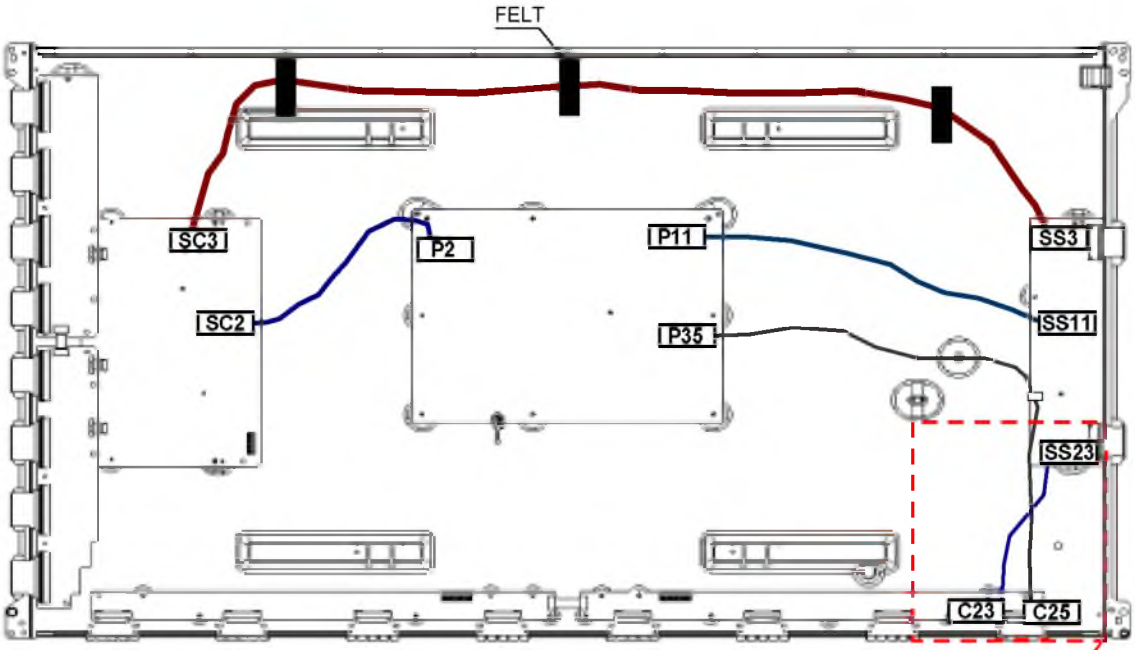


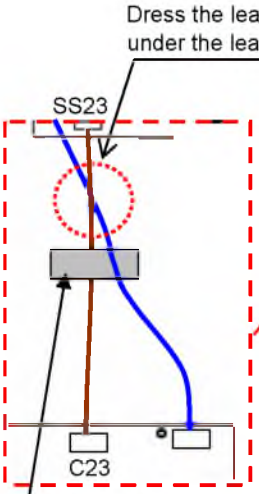
11.3. Wiring (2)





11.4. Wiring (3)





Fix the lead wire (SS23-C23) only to the PDP panel by FELT TAPE at the center of wire.
Reason: To avoid a contact with A-board fixing metal.

12 Schematic Diagram

12.1. Schematic Diagram Note

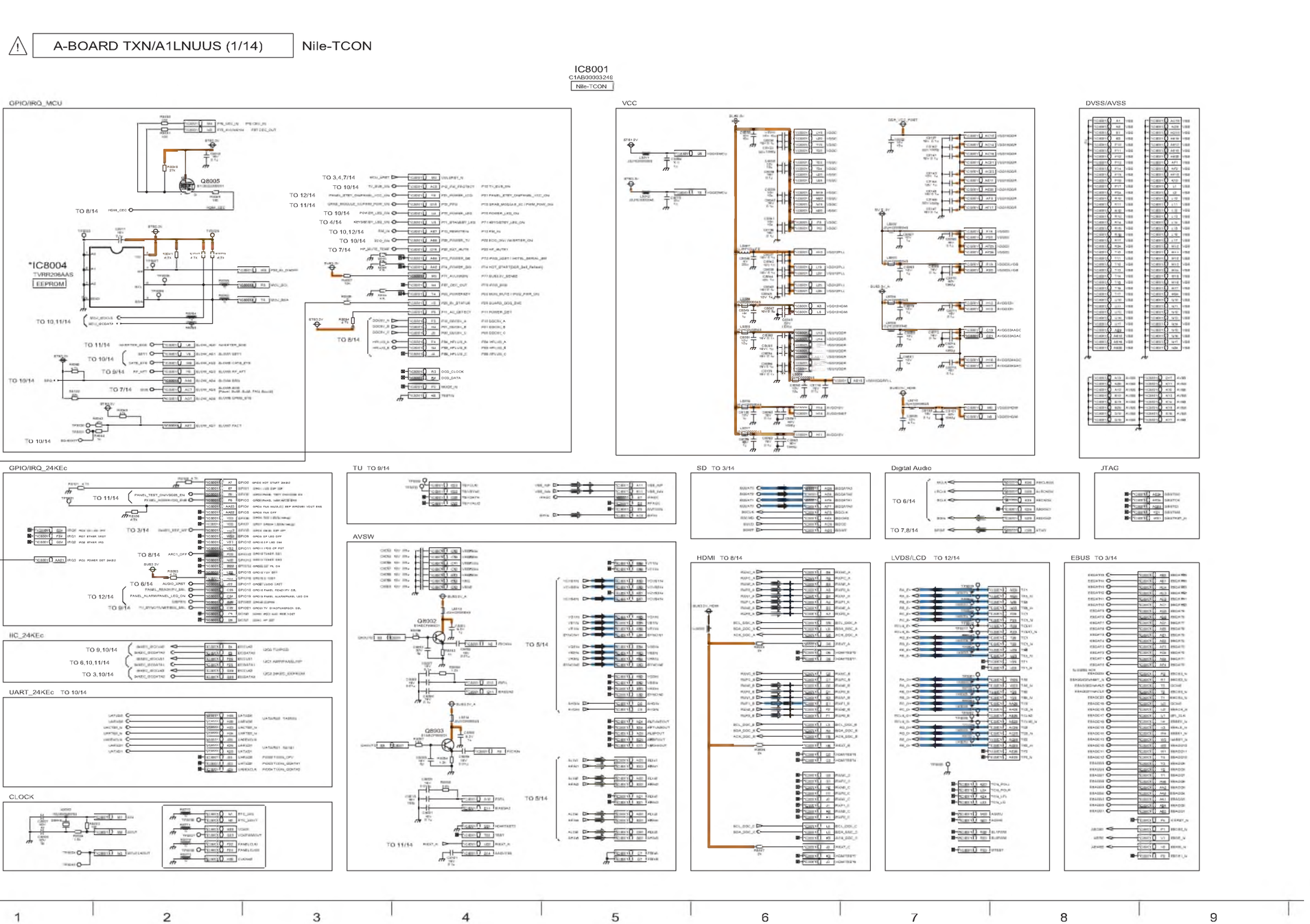
Notes:

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 AC120V, 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.

Remarks:

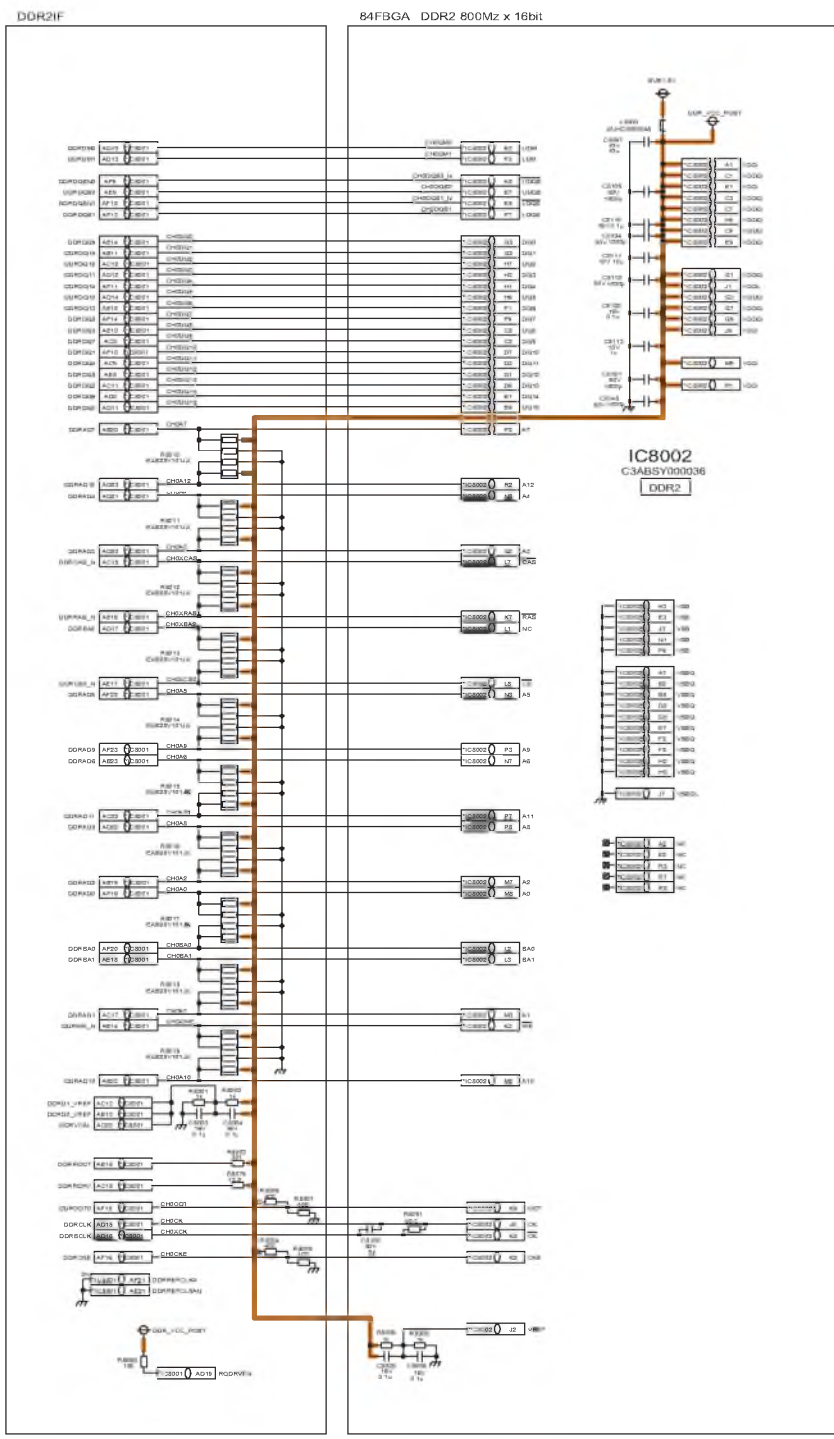
1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do 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.

12.2. A-Board (1/14) Schematic Diagram

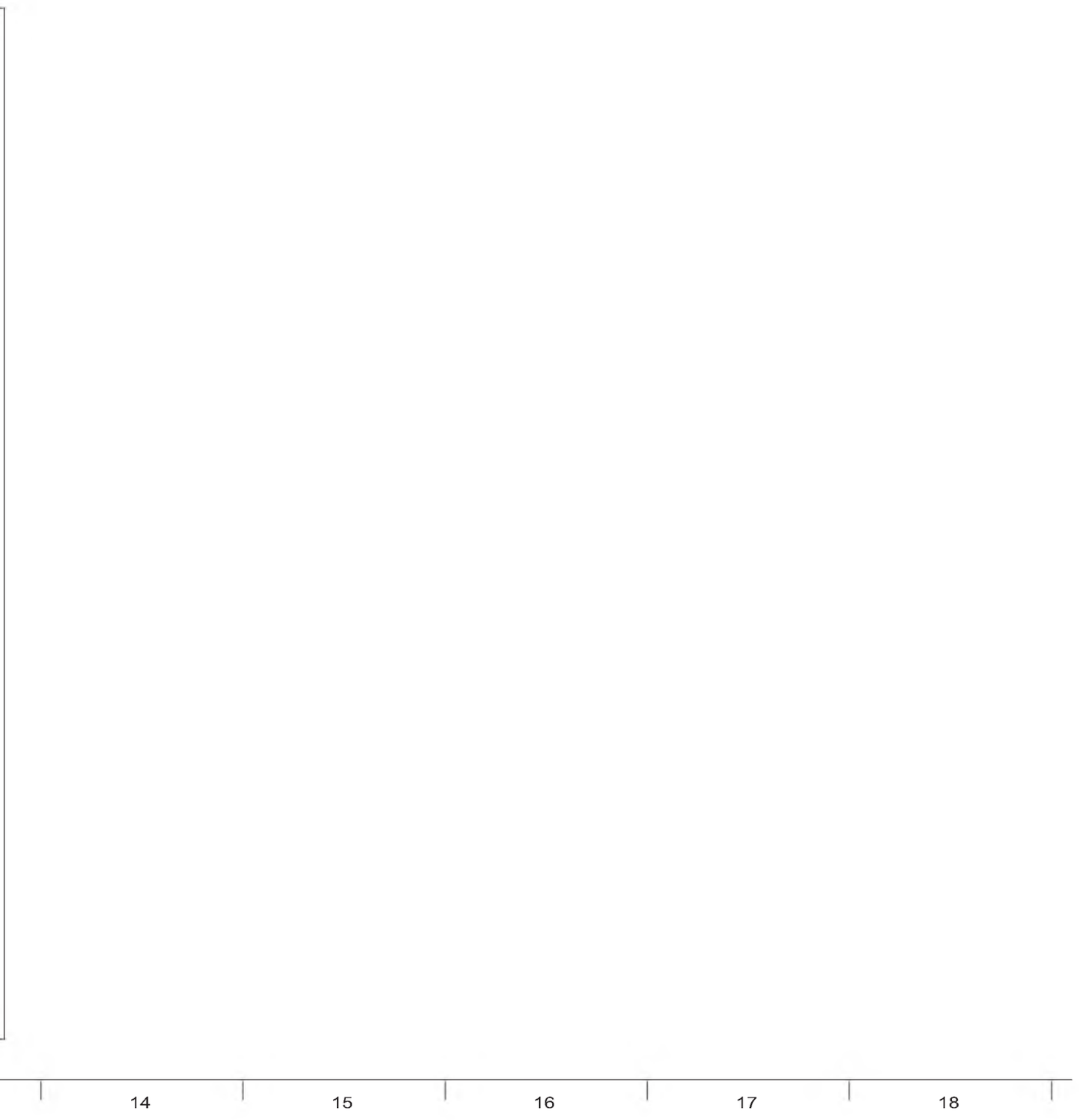


12.3. A-Board (2/14) Schematic Diagram

⚠ A-BOARD TXN/A1LNUUS (2/14) DDR2

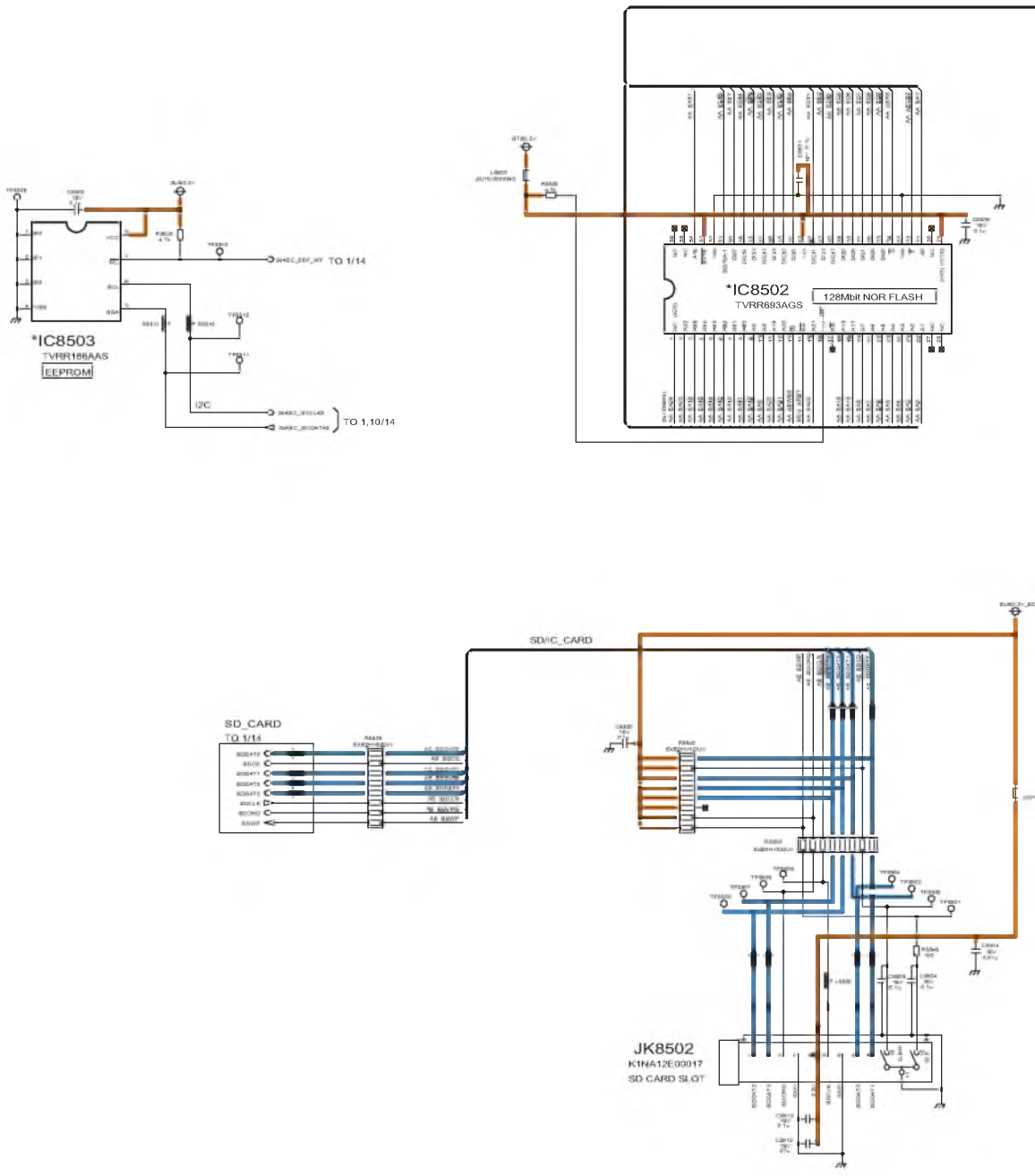


10 11 12 13

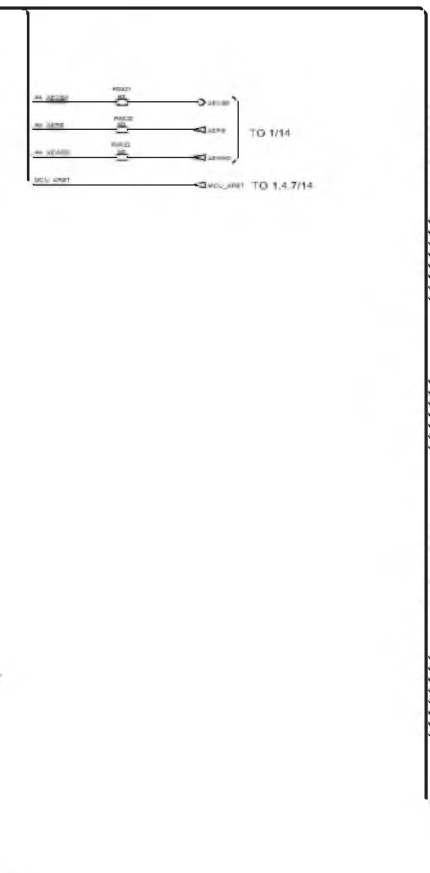

14
15
16
17
18

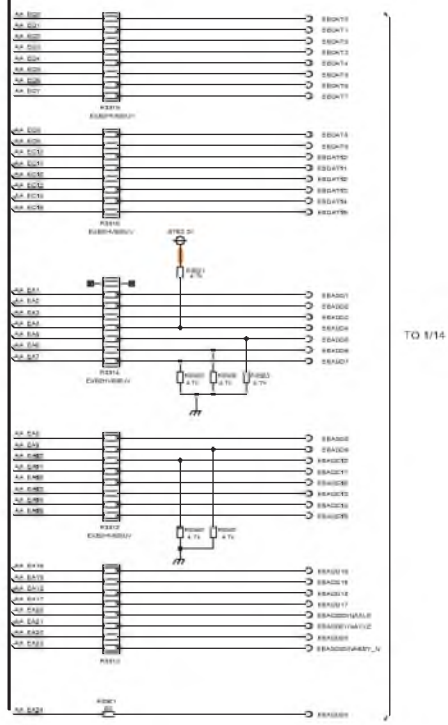
12.4. A-Board (3/14) Schematic Diagram

⚠ A-BOARD TXN/A1LNUUS (3/14) NOR,SDcard,EEP



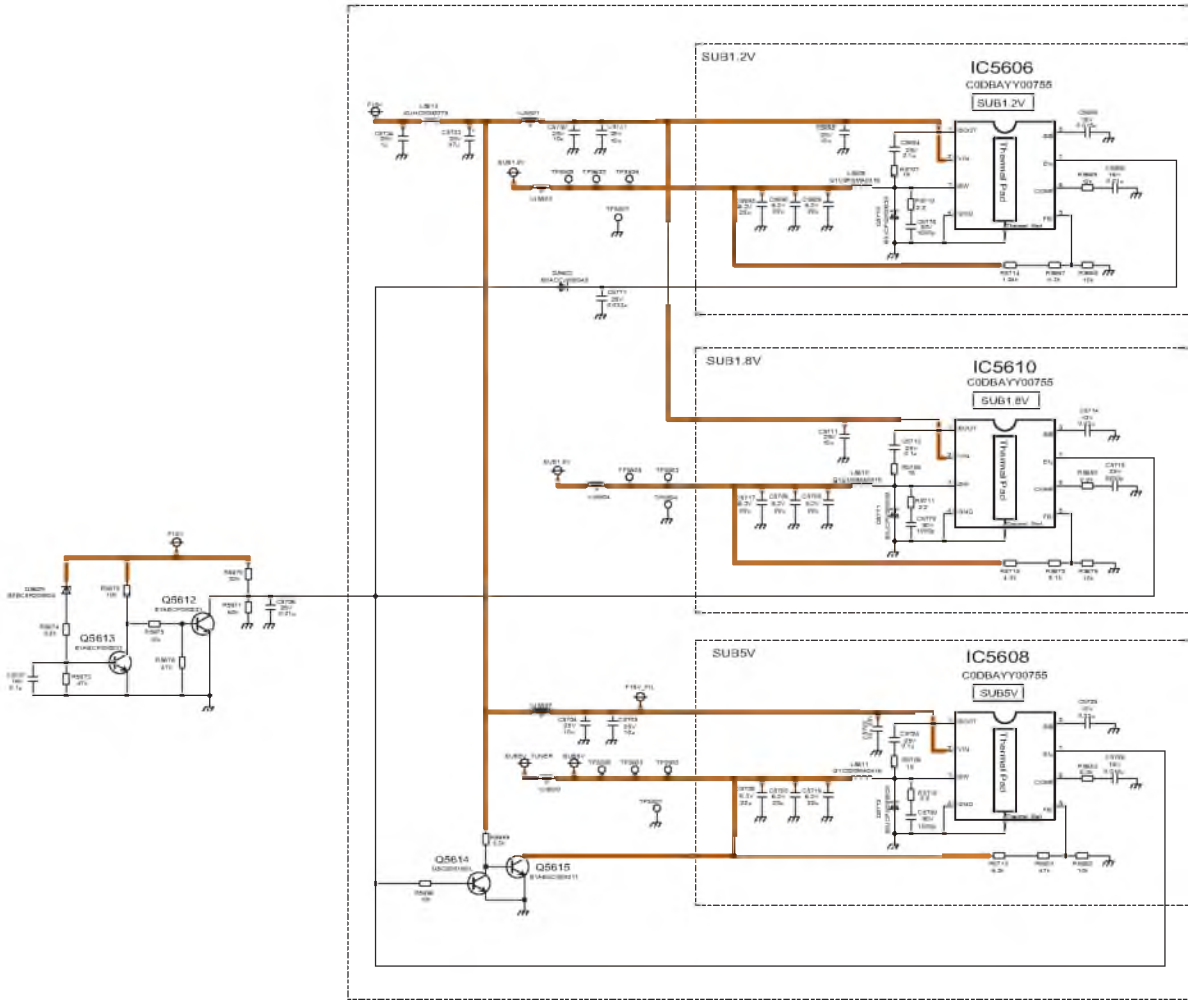
19 20 21 22 23


TO 1/14
TO 1,4,7/14


TO 1/14

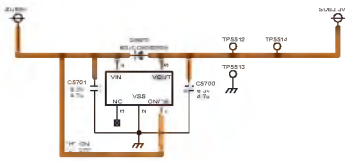
12.5. A-Board (4/14) Schematic Diagram

⚠ A-BOARD TXN/A1LNUUS (4/14) POWER SUPPLY



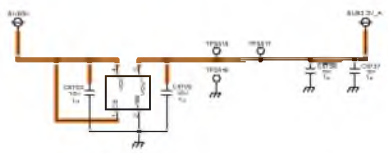
28 29 30 31 32

SUB3.3V



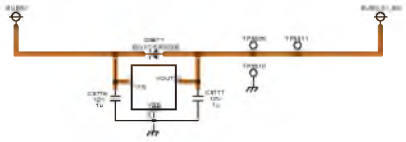
IC5605
C0DBAGF00030
SUB3.3V

SUB3.3V_A



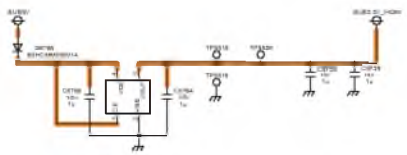
IC5609
C0DBGYY00887
SUB3.3V_A

SUB3.3V_SD

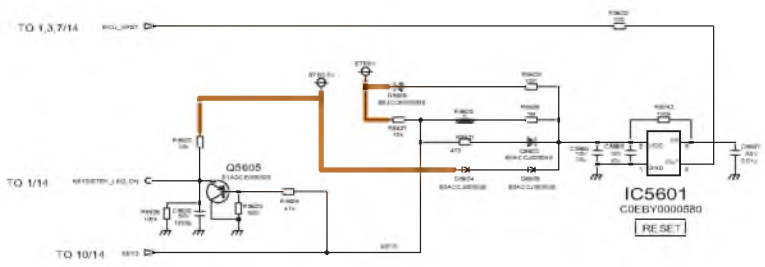


IC5613
C0DBGYY00893
SUB3.3V_SD

SUB3.3V_HDMI

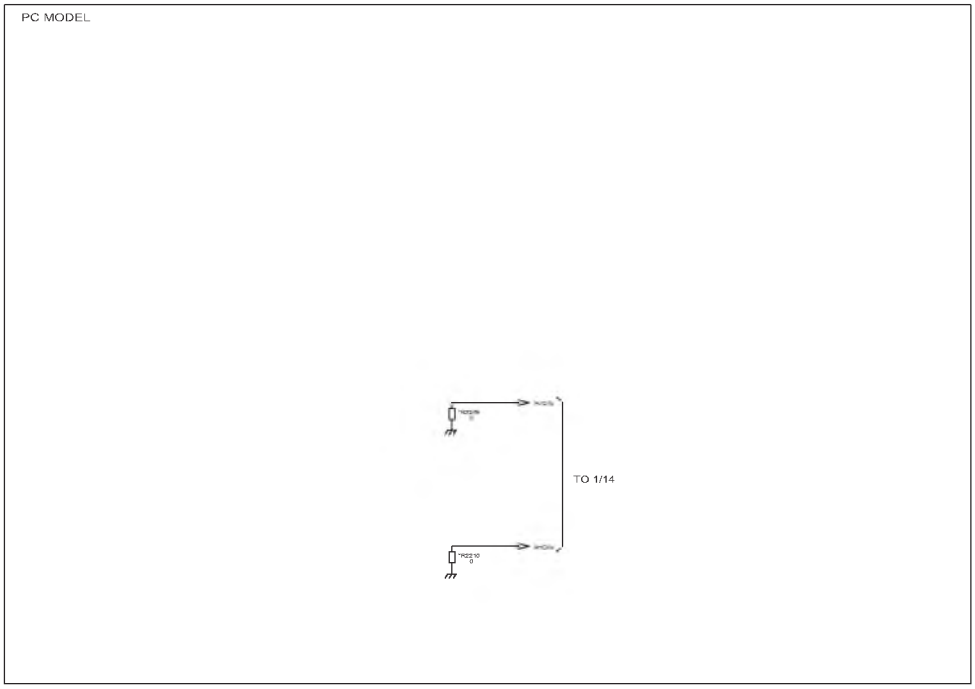


IC5607
C0DBGYY00887
SUB3.3V_HDMI



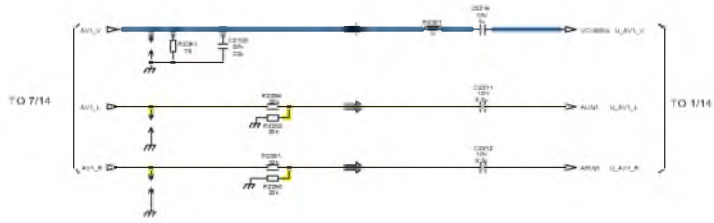
12.6. A-Board (5/14) Schematic Diagram

⚠ A-BOARD TXN/A1LNUUS (5/14) AVSW

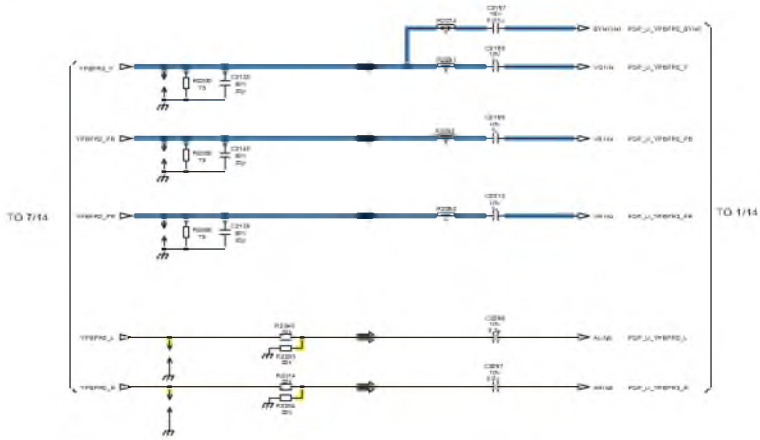


TU

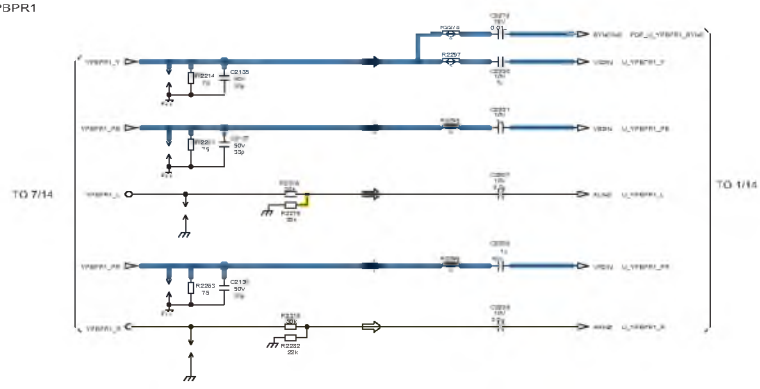
US AV1



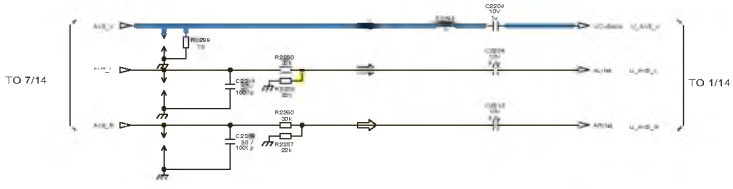
PDP US YPBPR2



PDP US YPBPR1

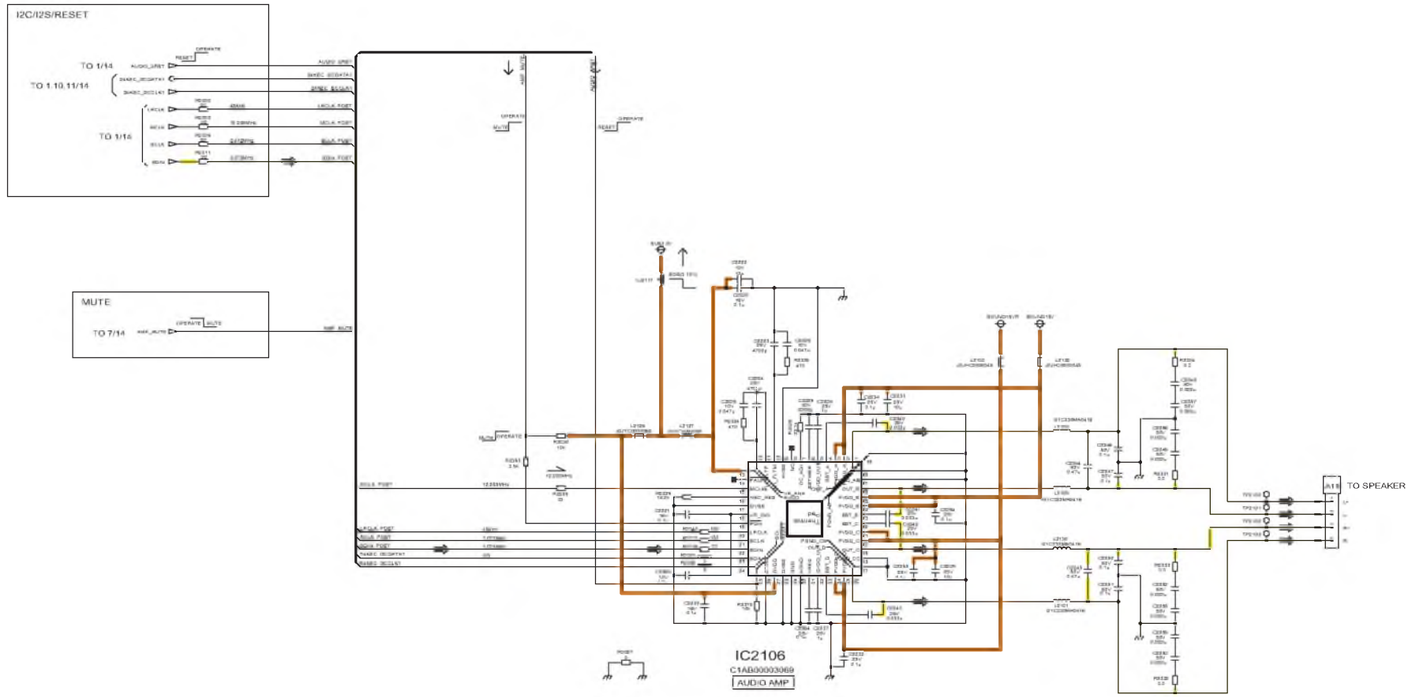


US AV2



12.7. A-Board (6/14) Schematic Diagram

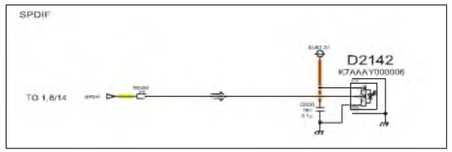
⚠ A-BOARD TXN/A1LNUUS (6/14) AUDIO AMP

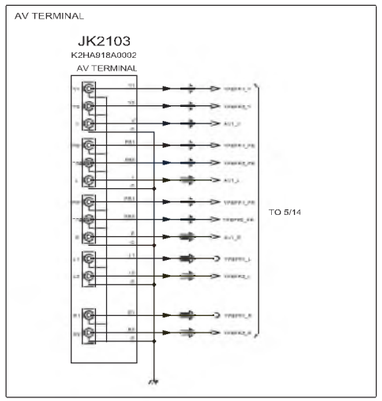


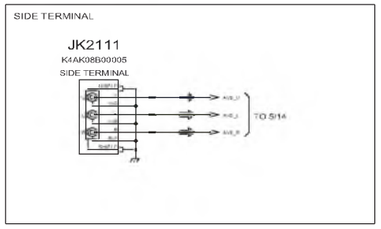
46 47 48 49 50 51 52 53 54

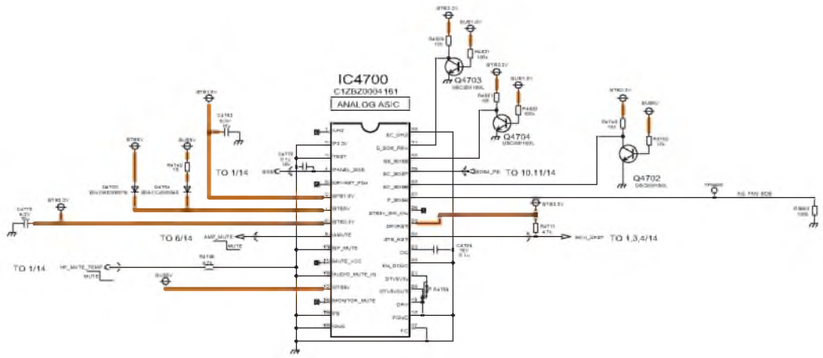
12.8. A-Board (7/14) Schematic Diagram

⚠ A-BOARD TXN/A1LNUUS (7/14) AV TERMINAL,ANALOG ASIC





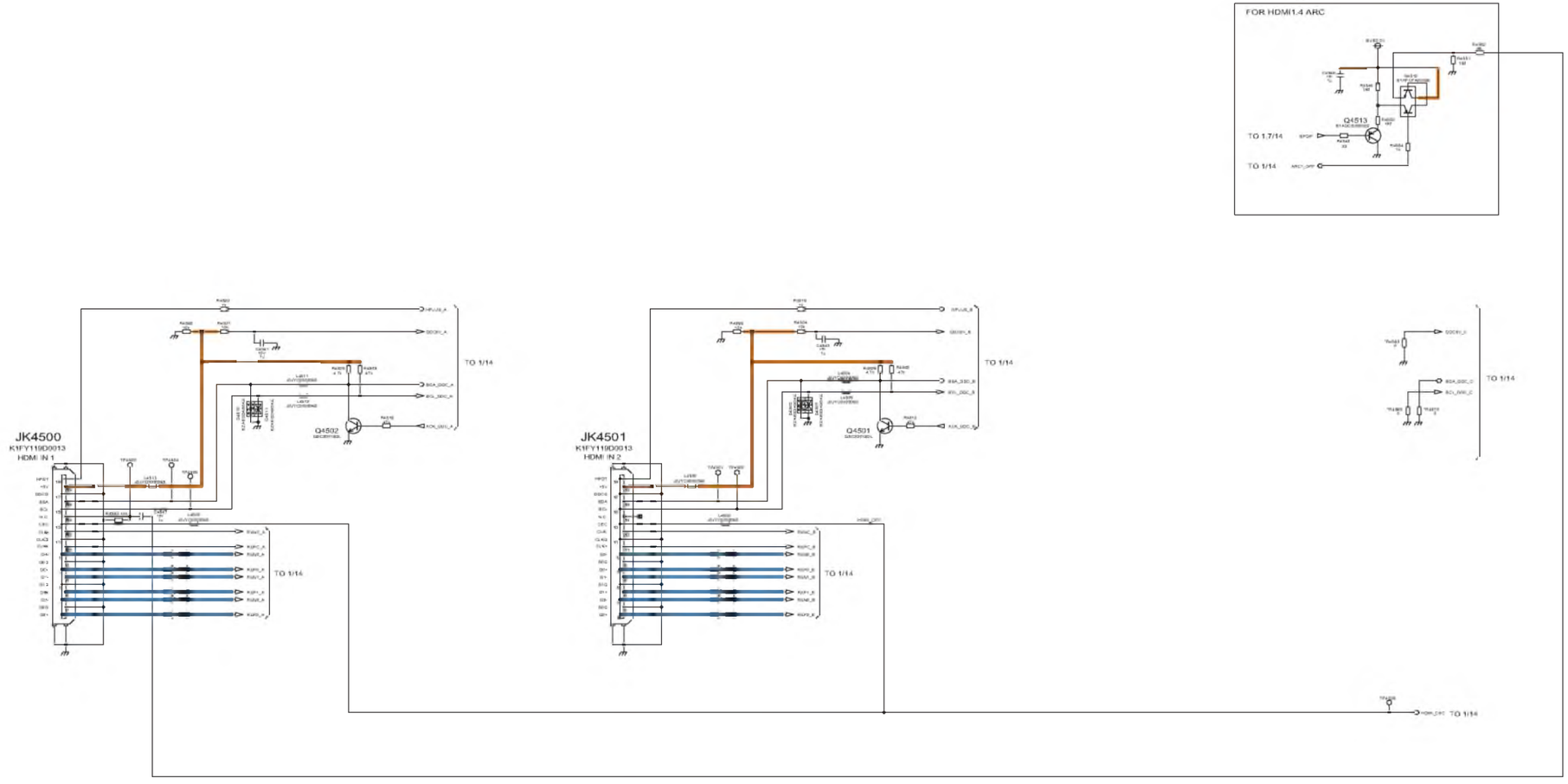




55 56 57 58 59 60 61 62 63

12.9. A-Board (8/14) Schematic Diagram

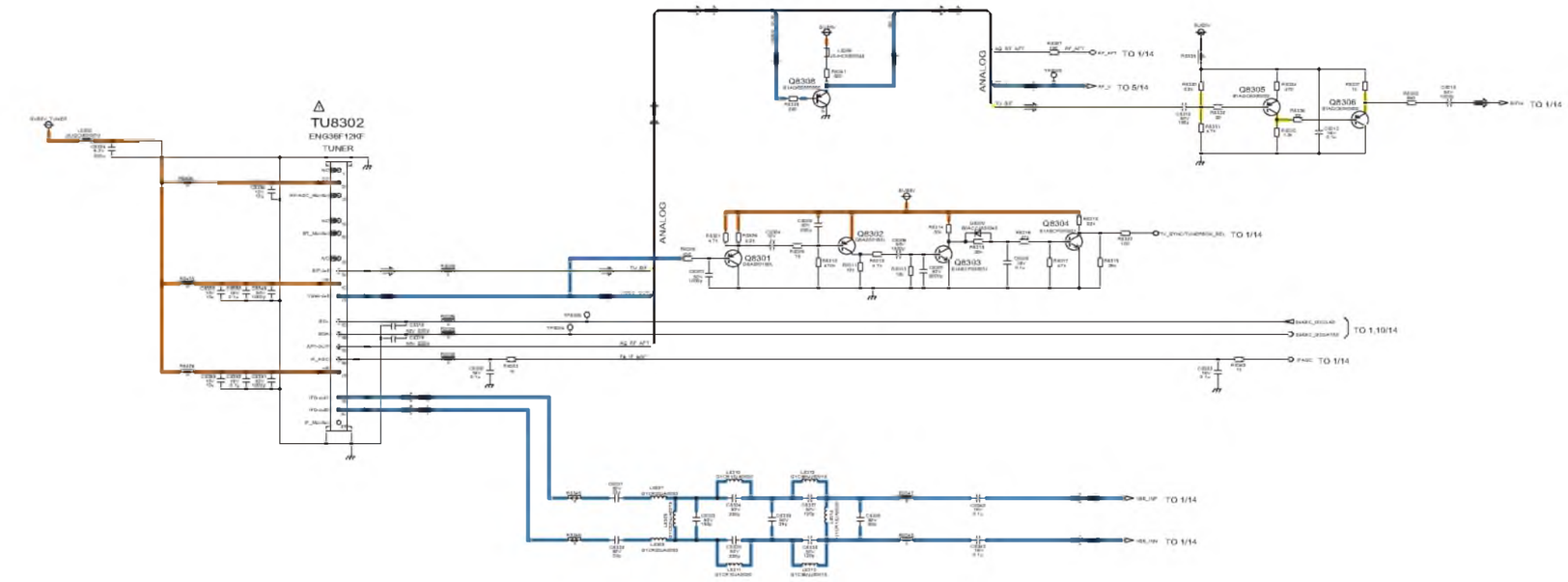
A-BOARD TXN/A1LNUUS (8/14) HDMI



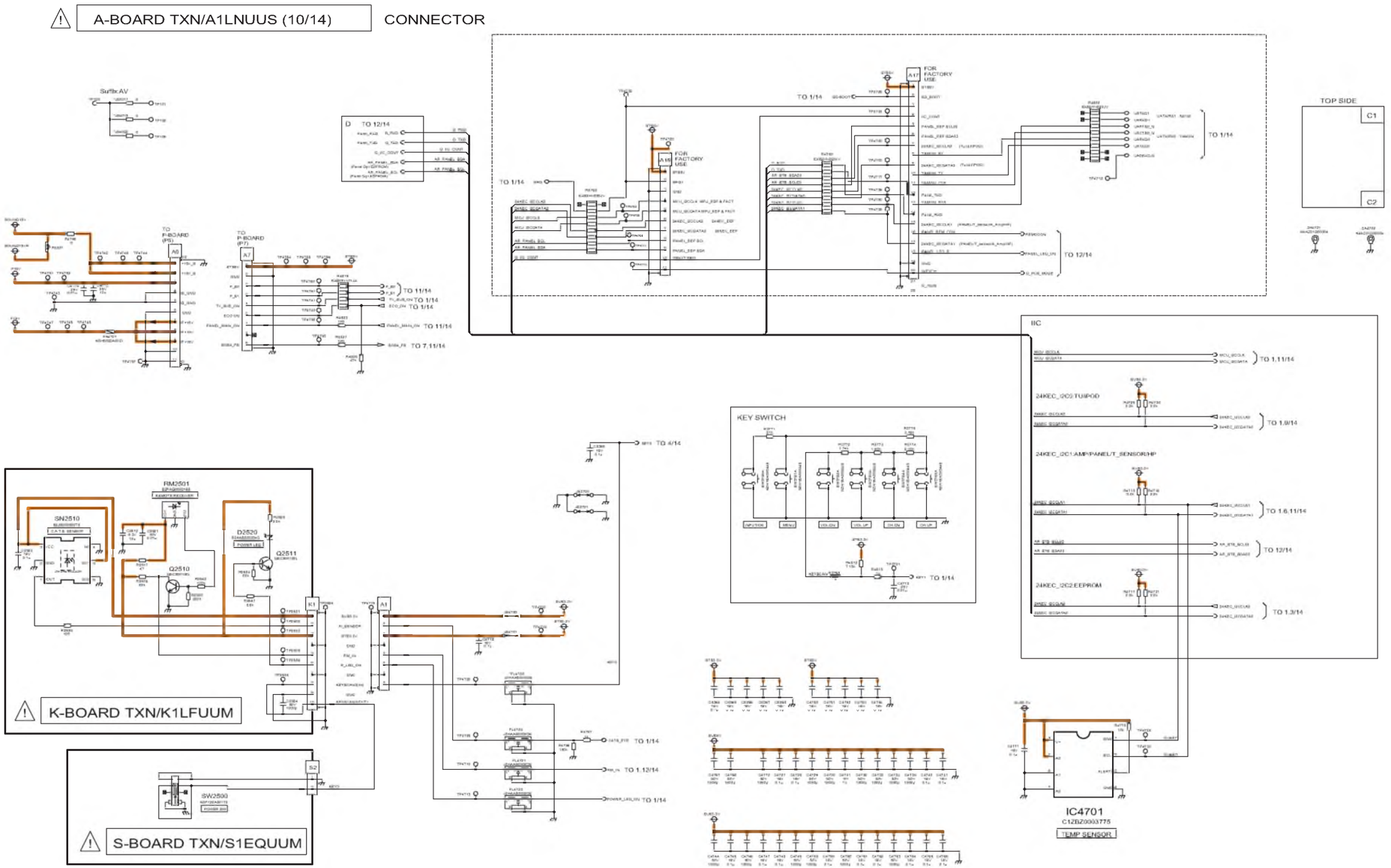
64 65 66 67 68 69 70 71 72

12.10. A-Board (9/14) Schematic Diagram

⚠ A-BOARD TXN/A1LNUUS (9/14) TUNER

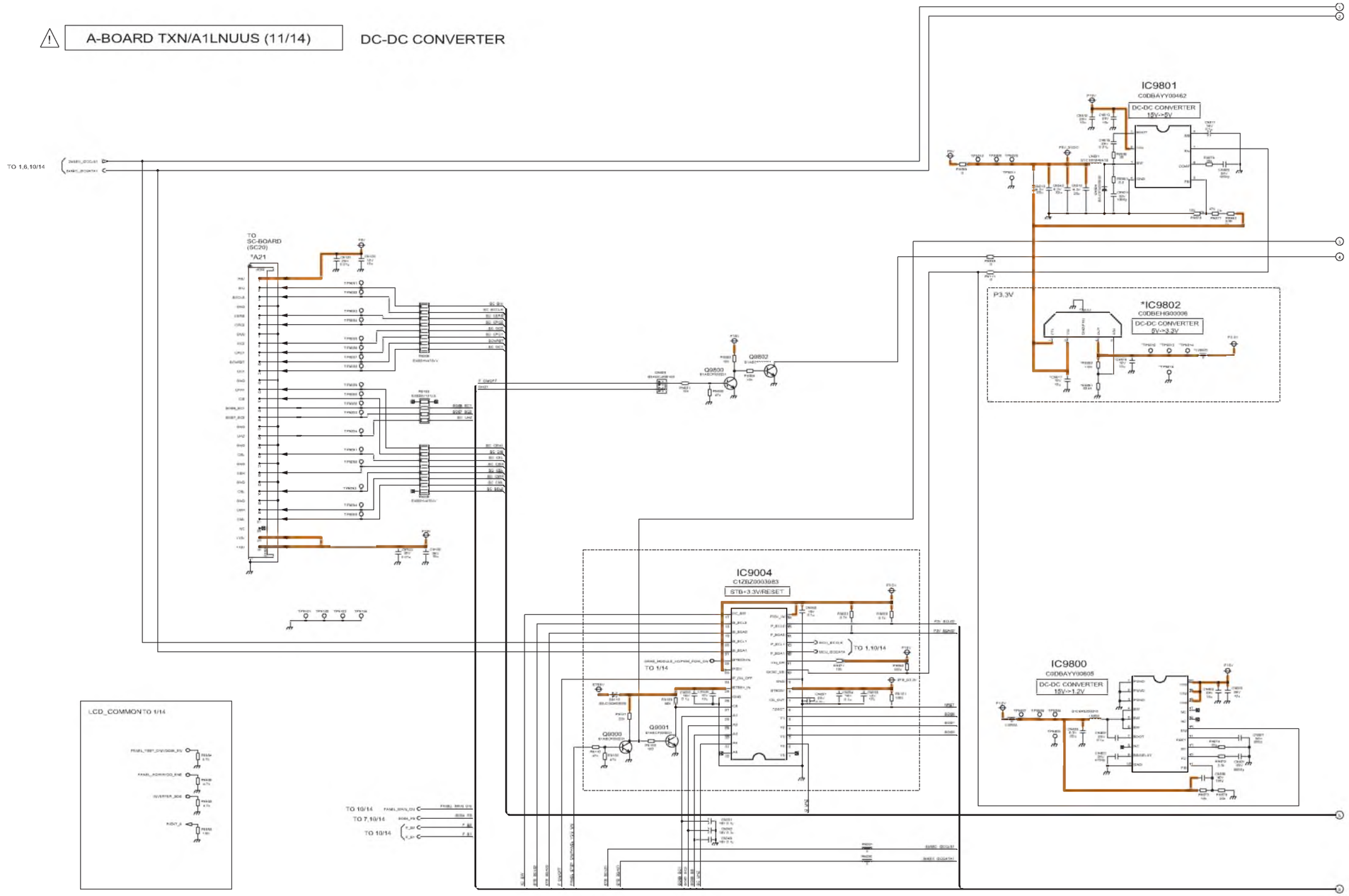


12.11. A-Board (10/14), K-Board and S-Board Schematic Diagram

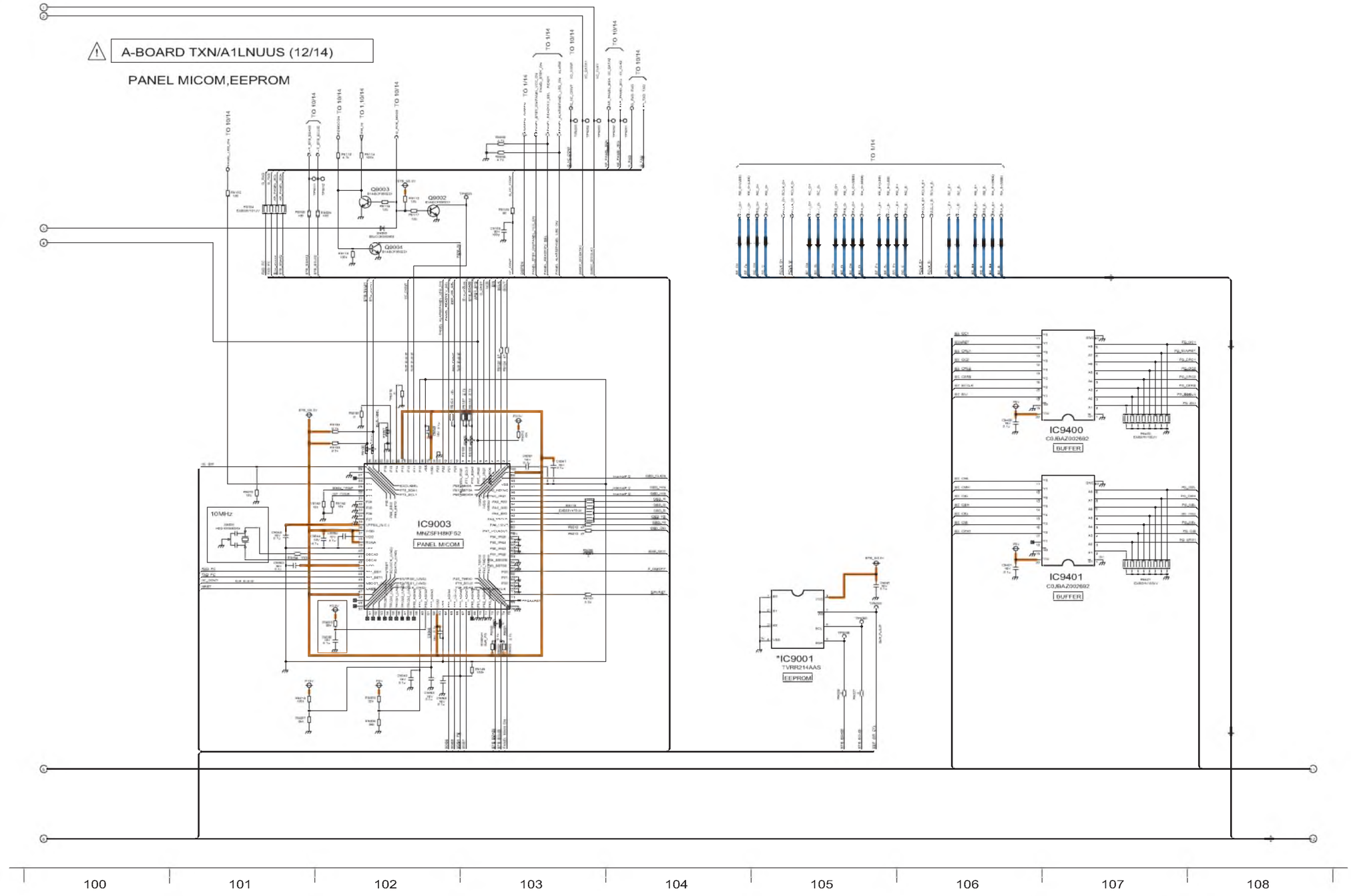


82 83 84 85 86 87 88 89 90

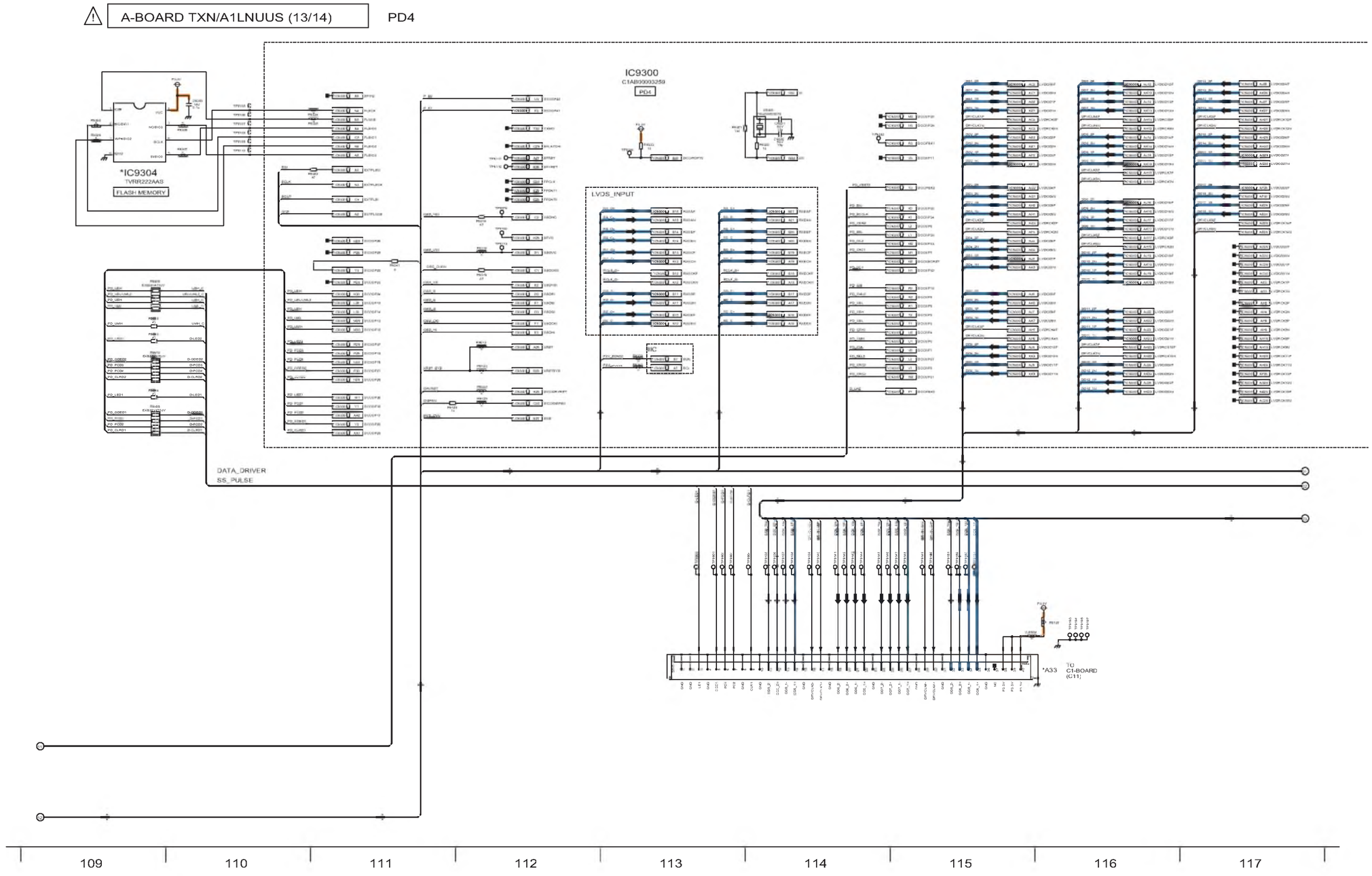
12.12. A-Board (11/14) Schematic Diagram



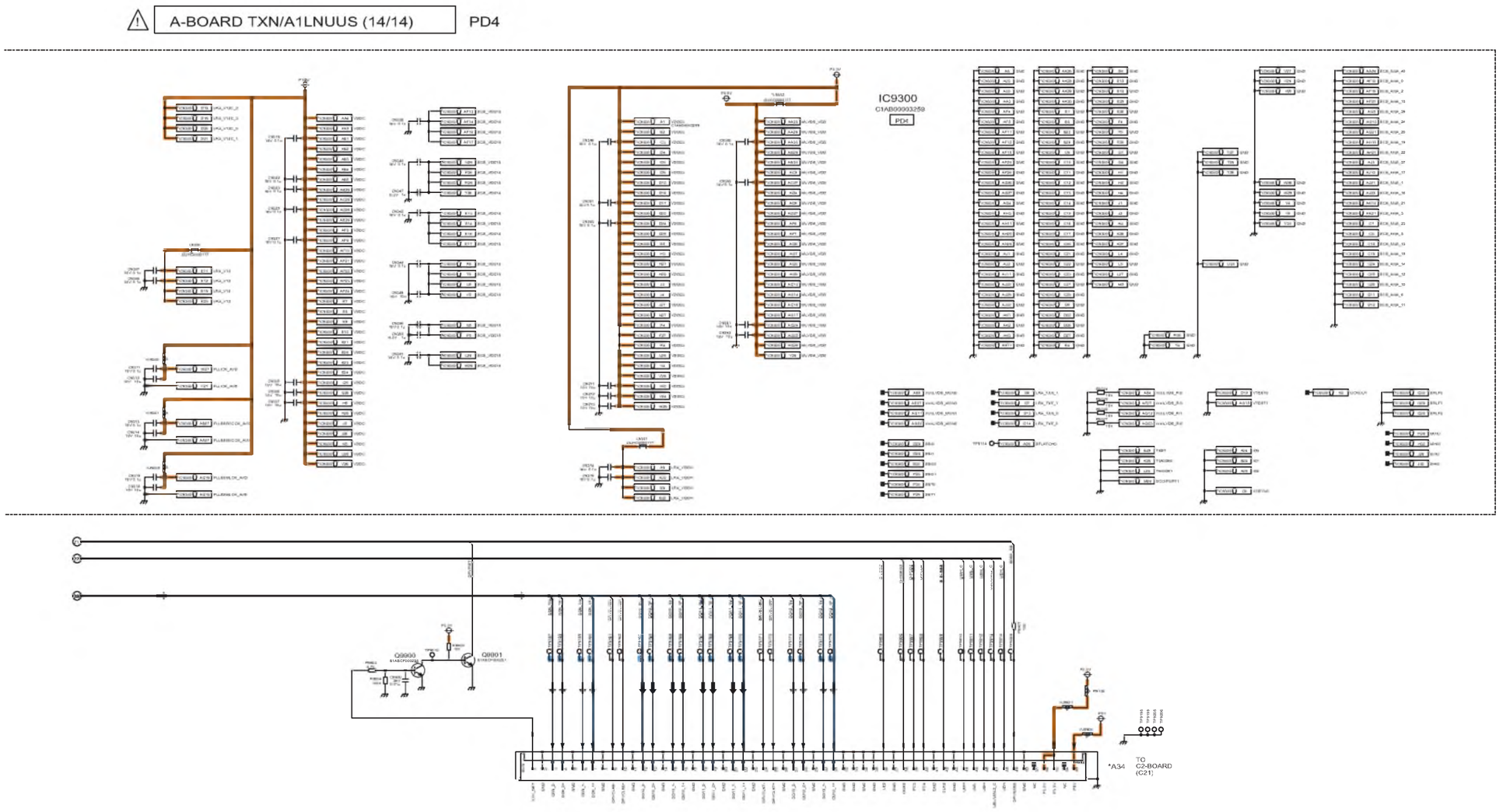
12.13. A-Board (12/14) Schematic Diagram



12.14. A-Board (13/14) Schematic Diagram

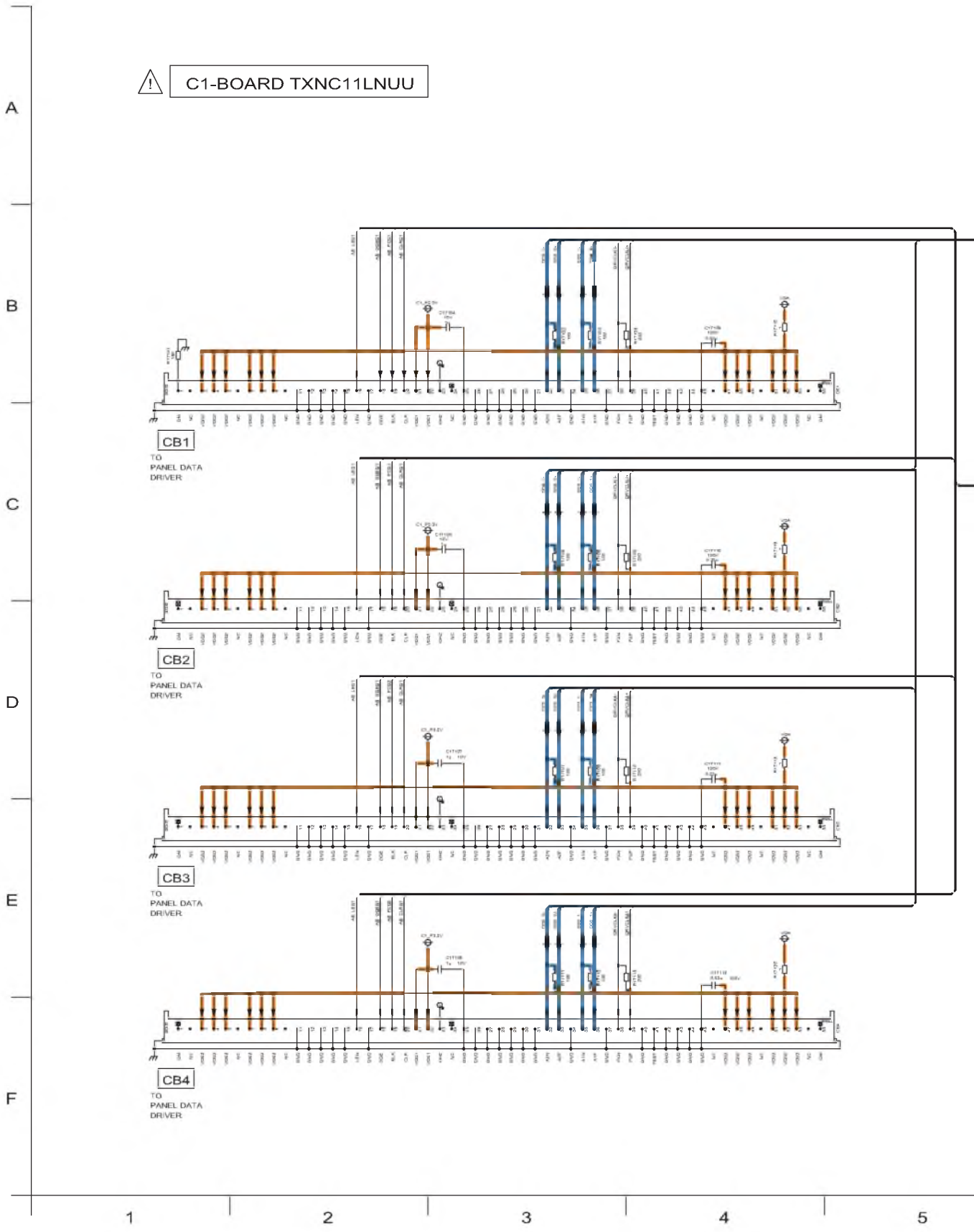


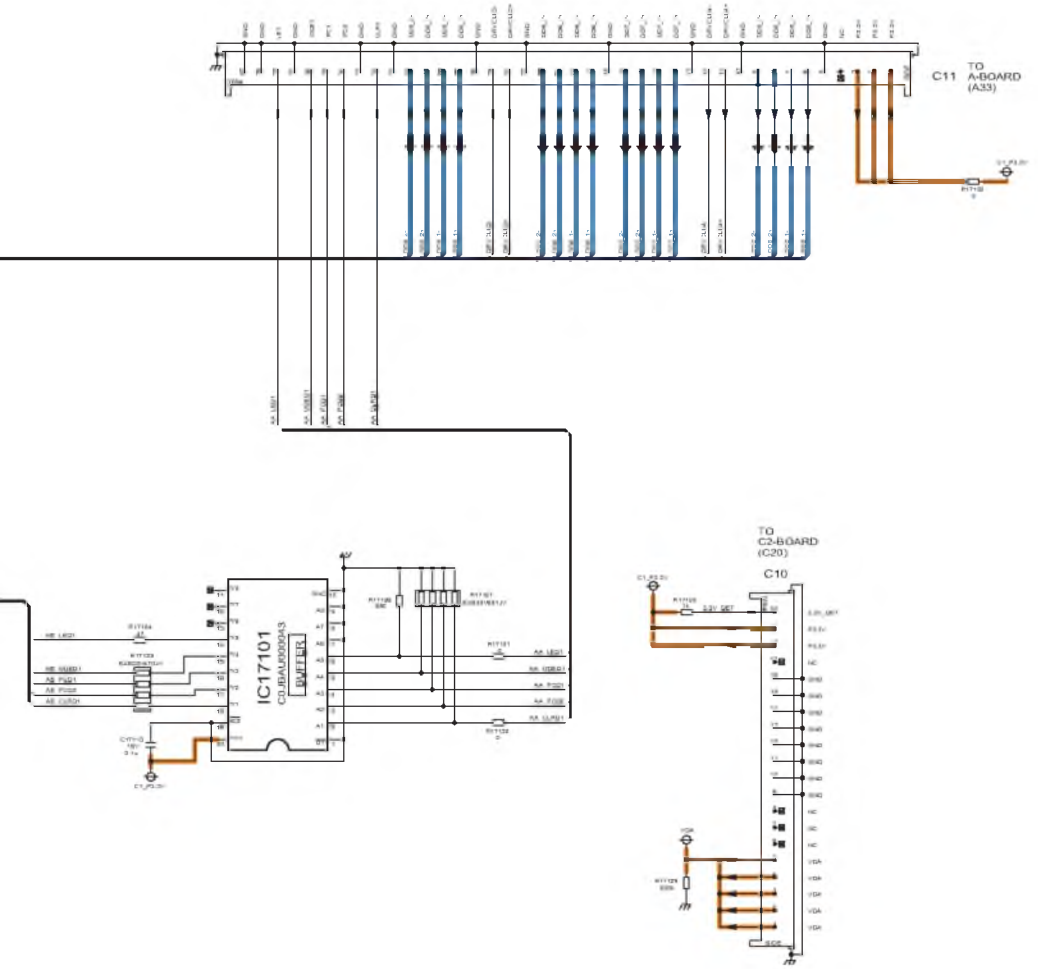
12.15. A-Board (14/14) Schematic Diagram

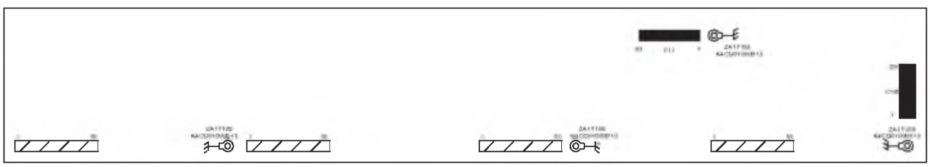


118 119 120 121 122 123 124 126 126

12.16. C1-Board Schematic Diagram

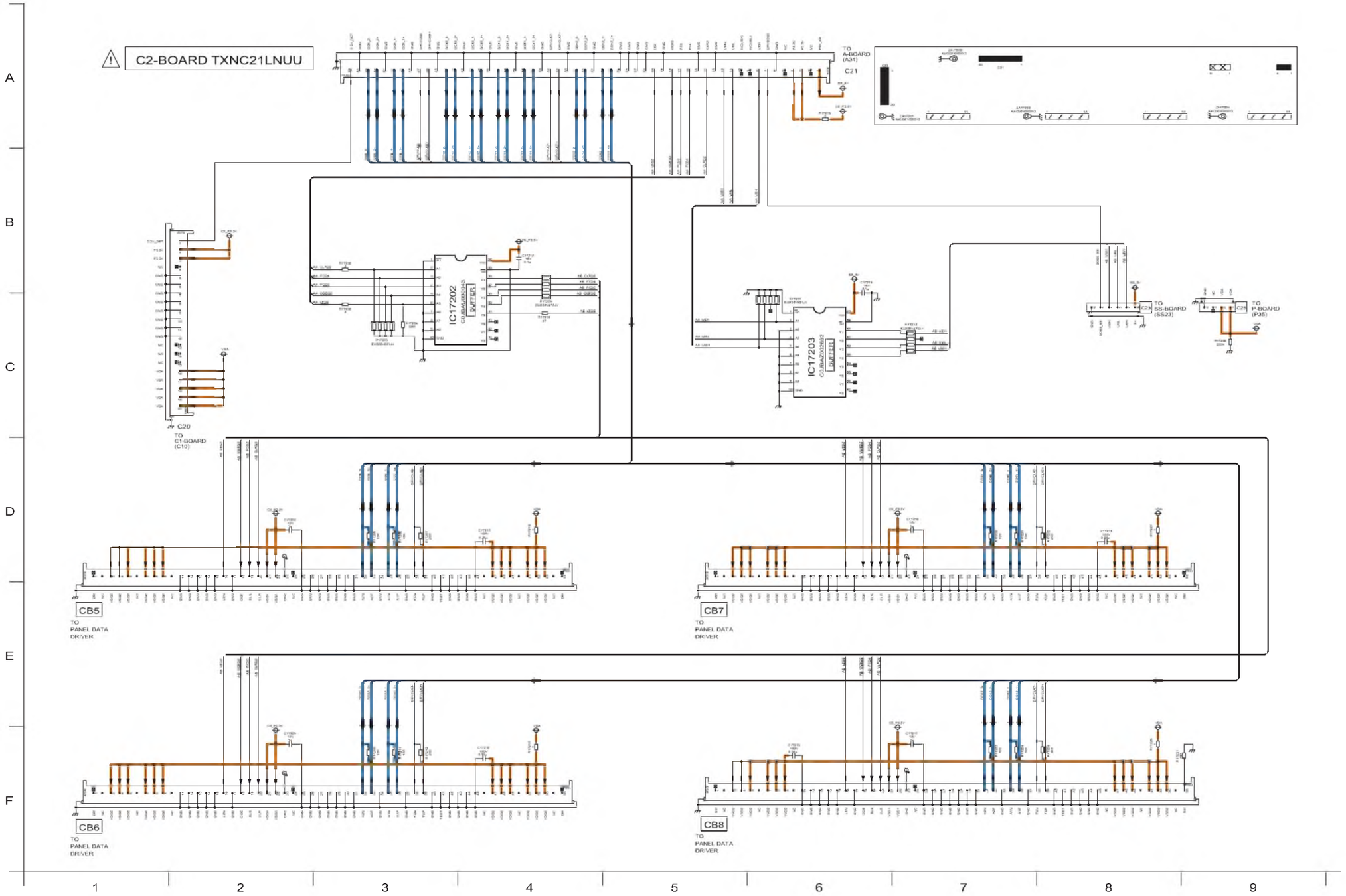



C11
TO
A-BOARD
(A33)
TO
C2-BOARD
(C20)
C10
IC17101
C0JBAB000043
BUFFER



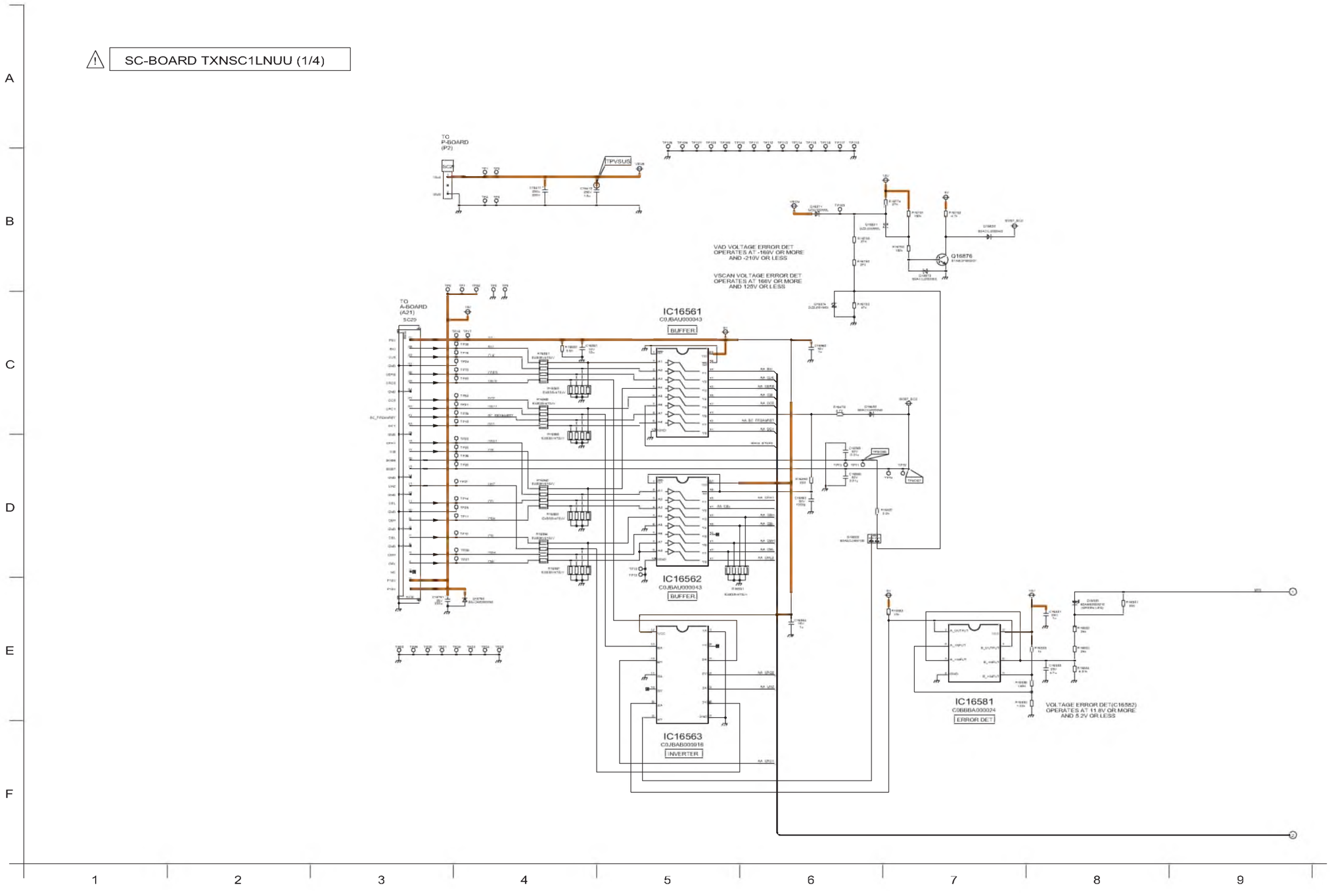
6 7 8 9

12.17. C2-Board Schematic Diagram

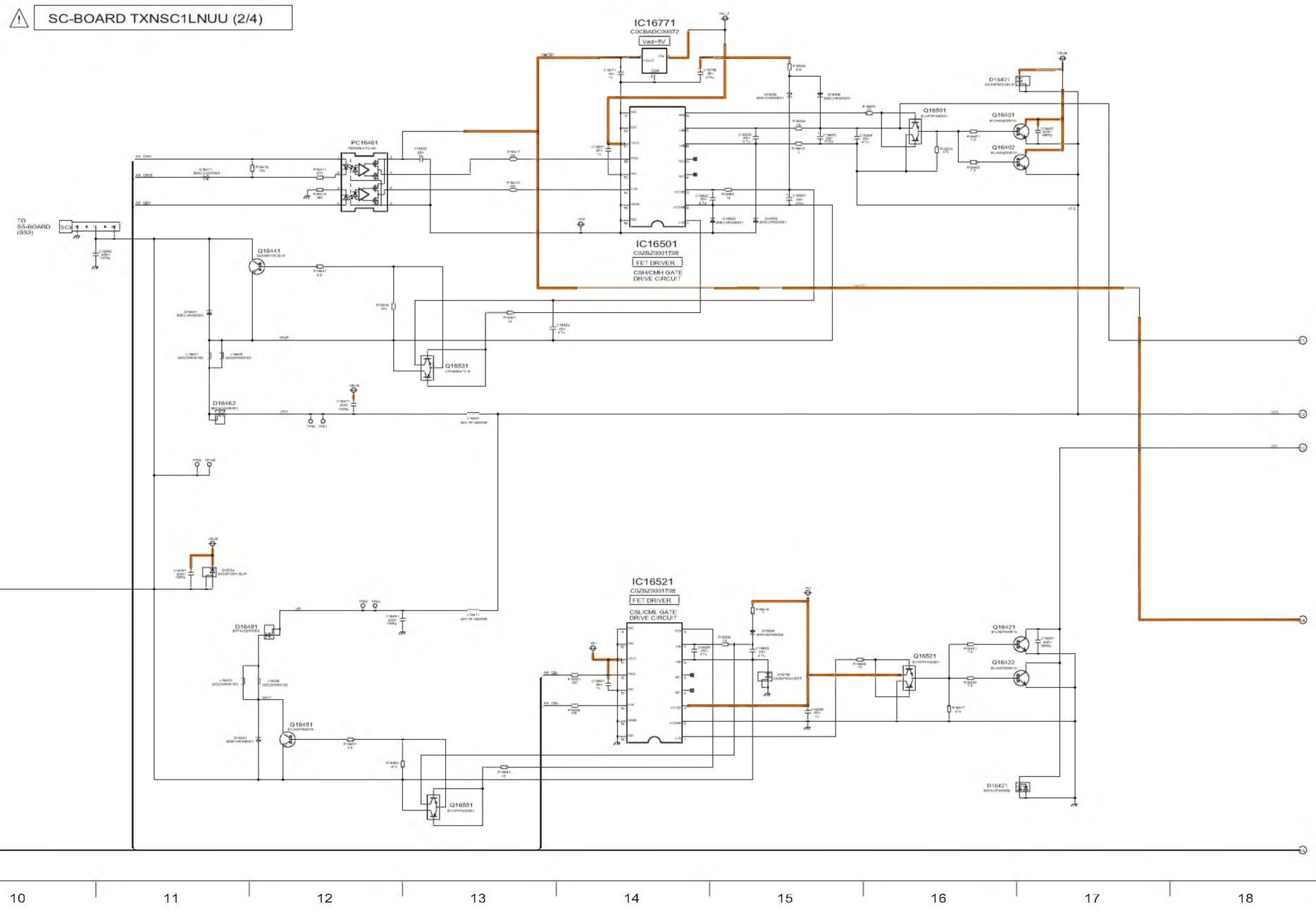


12.18. SC-Board (1/4) Schematic Diagram

⚠ SC-BOARD TXNSC1LNUU (1/4)

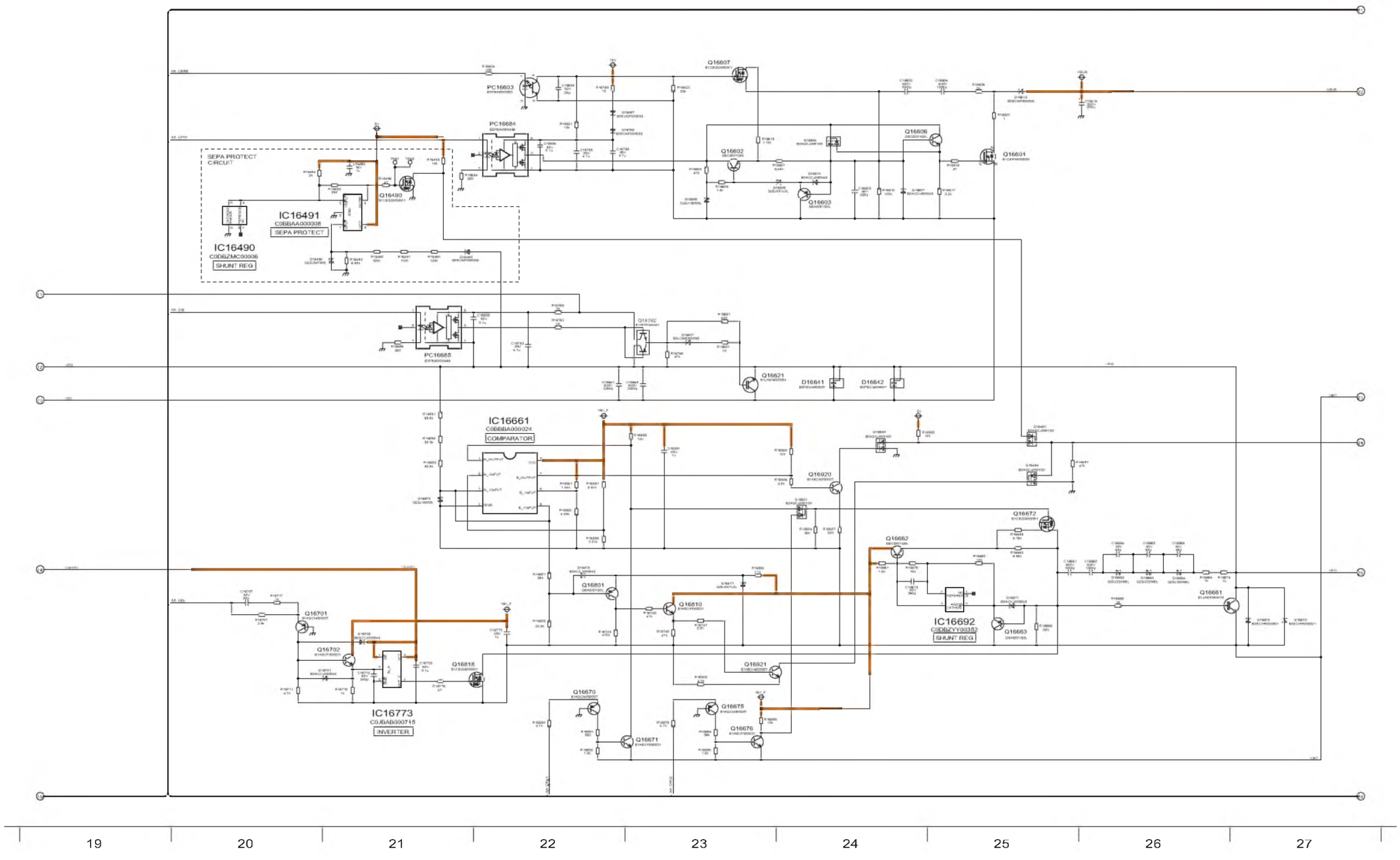


12.19. SC-Board (2/4) Schematic Diagram

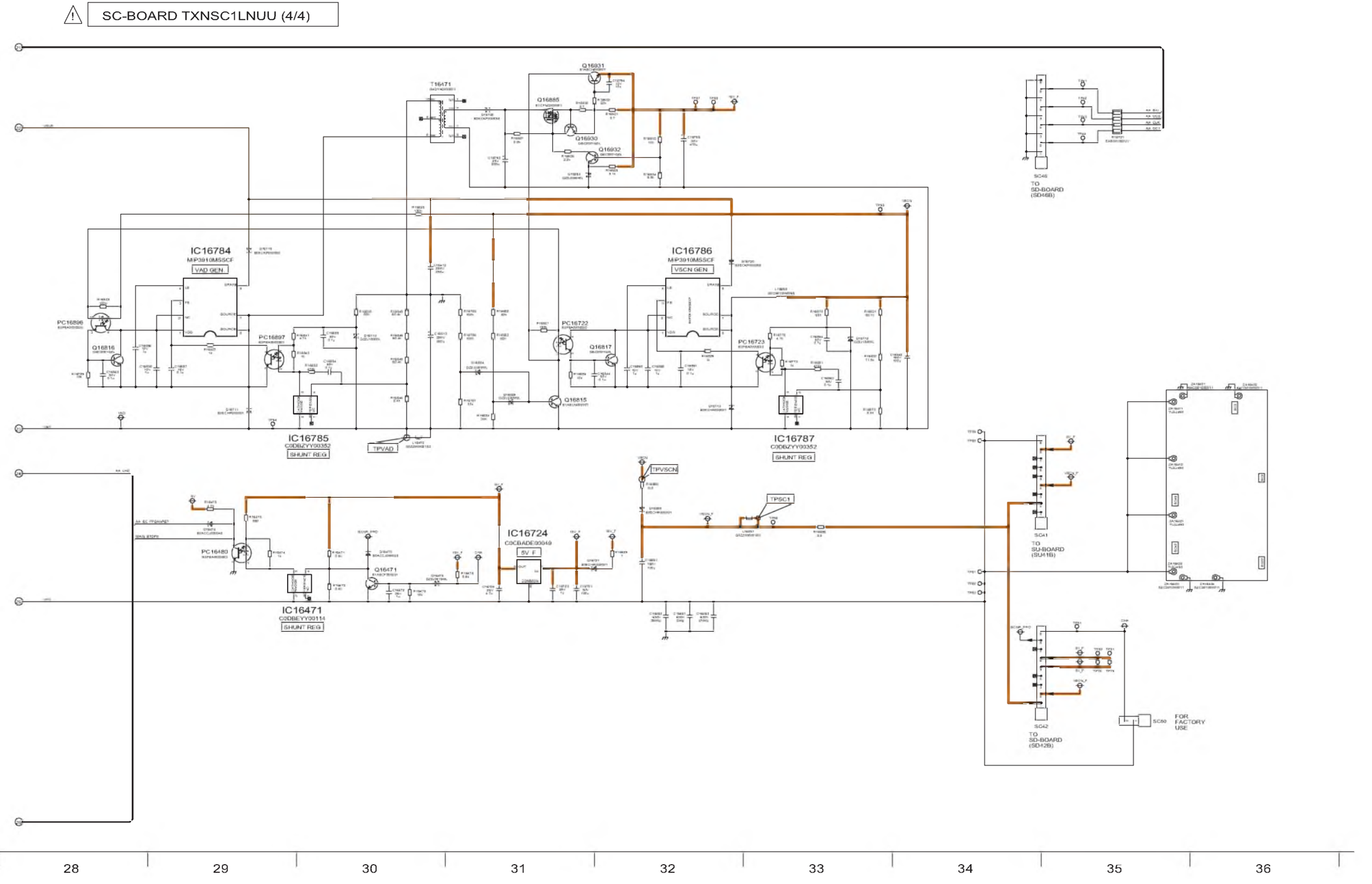


12.20. SC-Board (3/4) Schematic Diagram

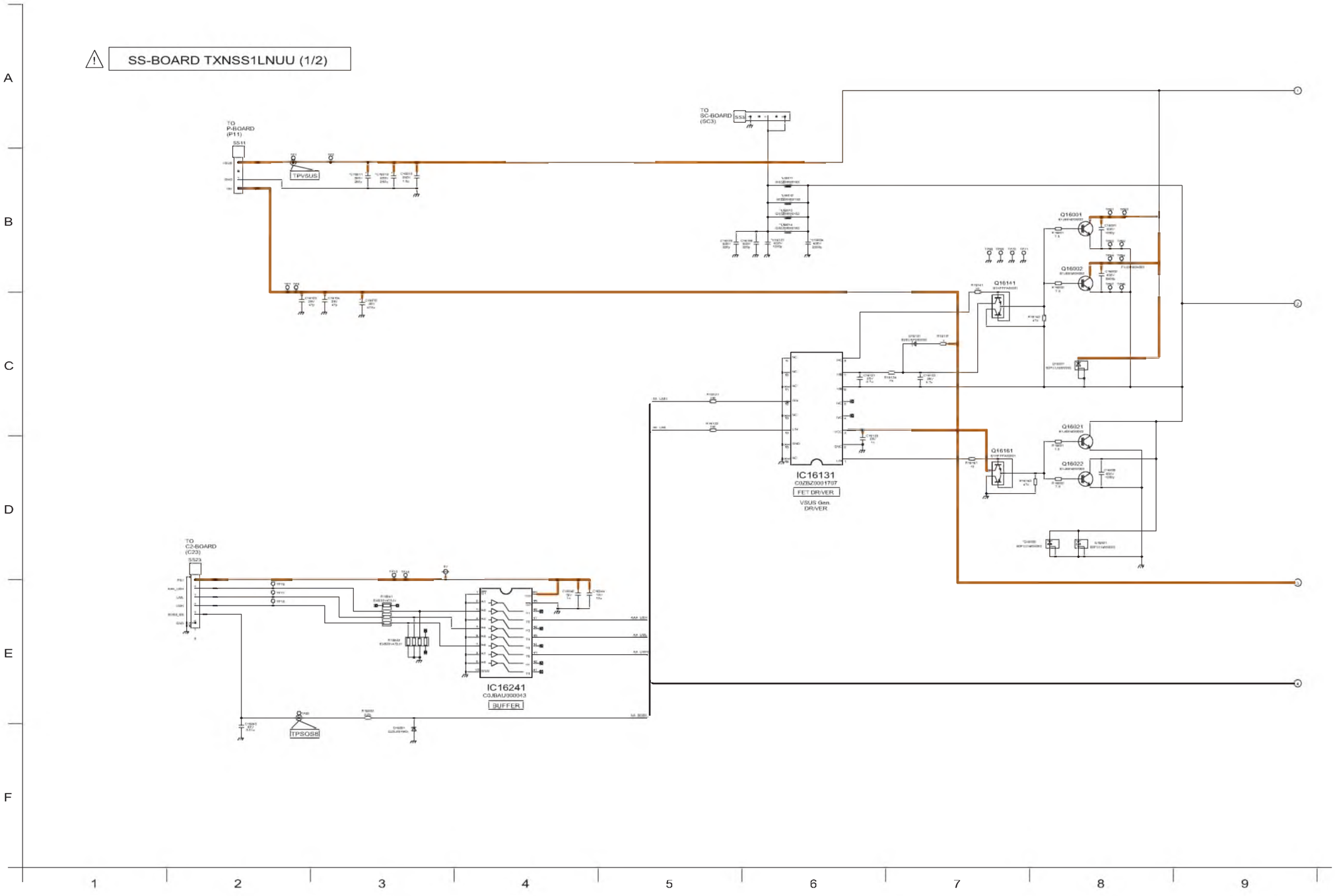
⚠ SC-BOARD TXNSC1LNUU (3/4)



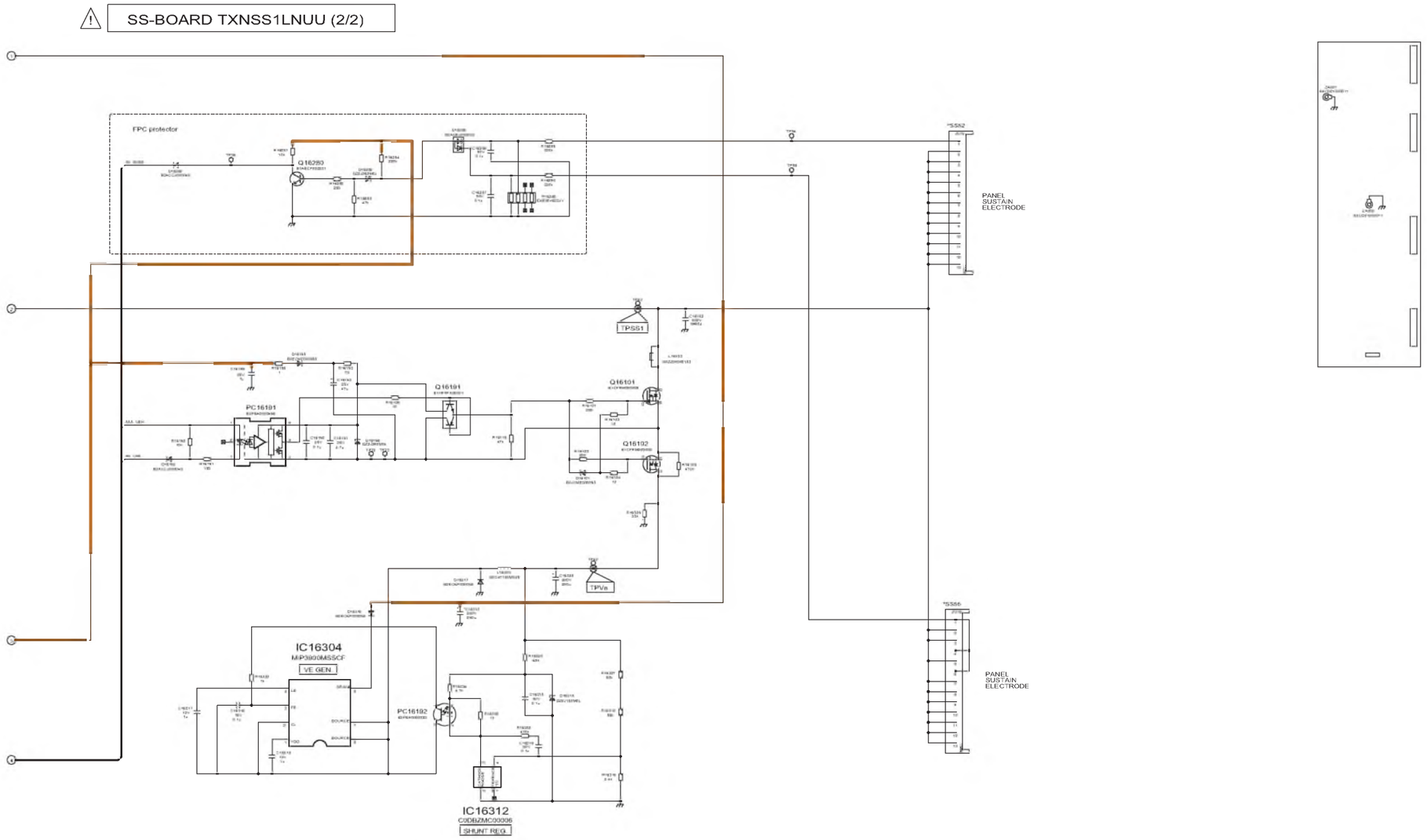
12.21. SC-Board (4/4) Schematic Diagram



12.22. SS-Board (1/2) Schematic Diagram



12.23. SS-Board (2/2) Schematic Diagram



13 Printed Circuit Board

13.1. K and S-Board

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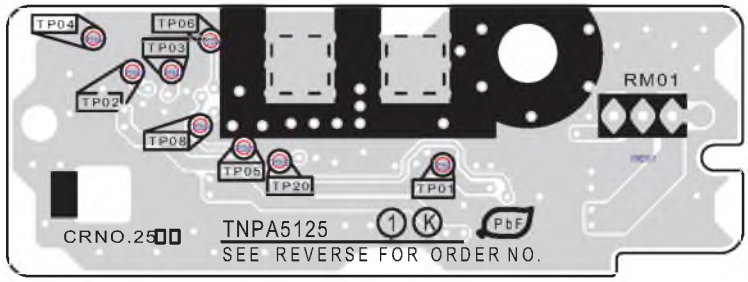
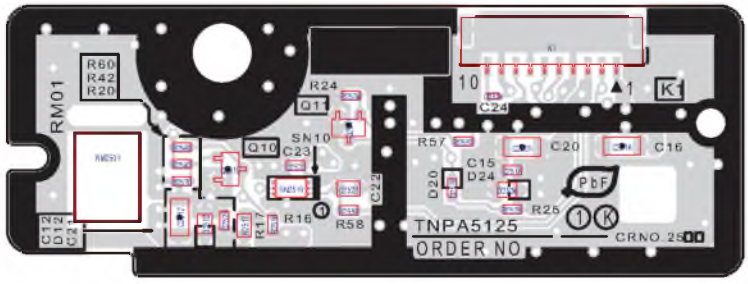
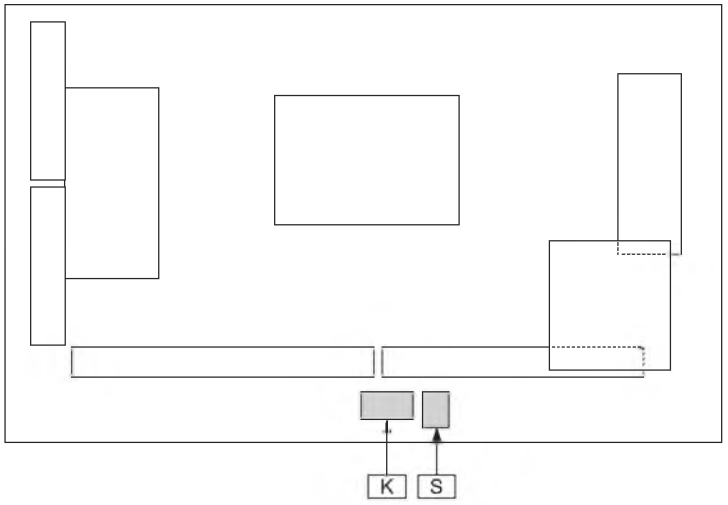
A B C D E

K-BOARD (FOIL SIDE)
TXN/K1LFUUM

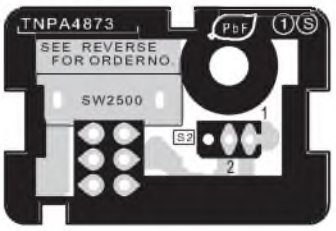


K-BOARD (COMPONENT SIDE)
TXN/K1LFUUM

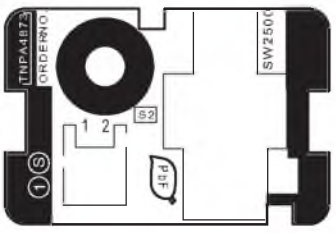




S-BOARD (FOIL SIDE)
TXN/S1EQUUM



S-BOARD (COMPONENT SIDE)
TXN/S1EQUUM



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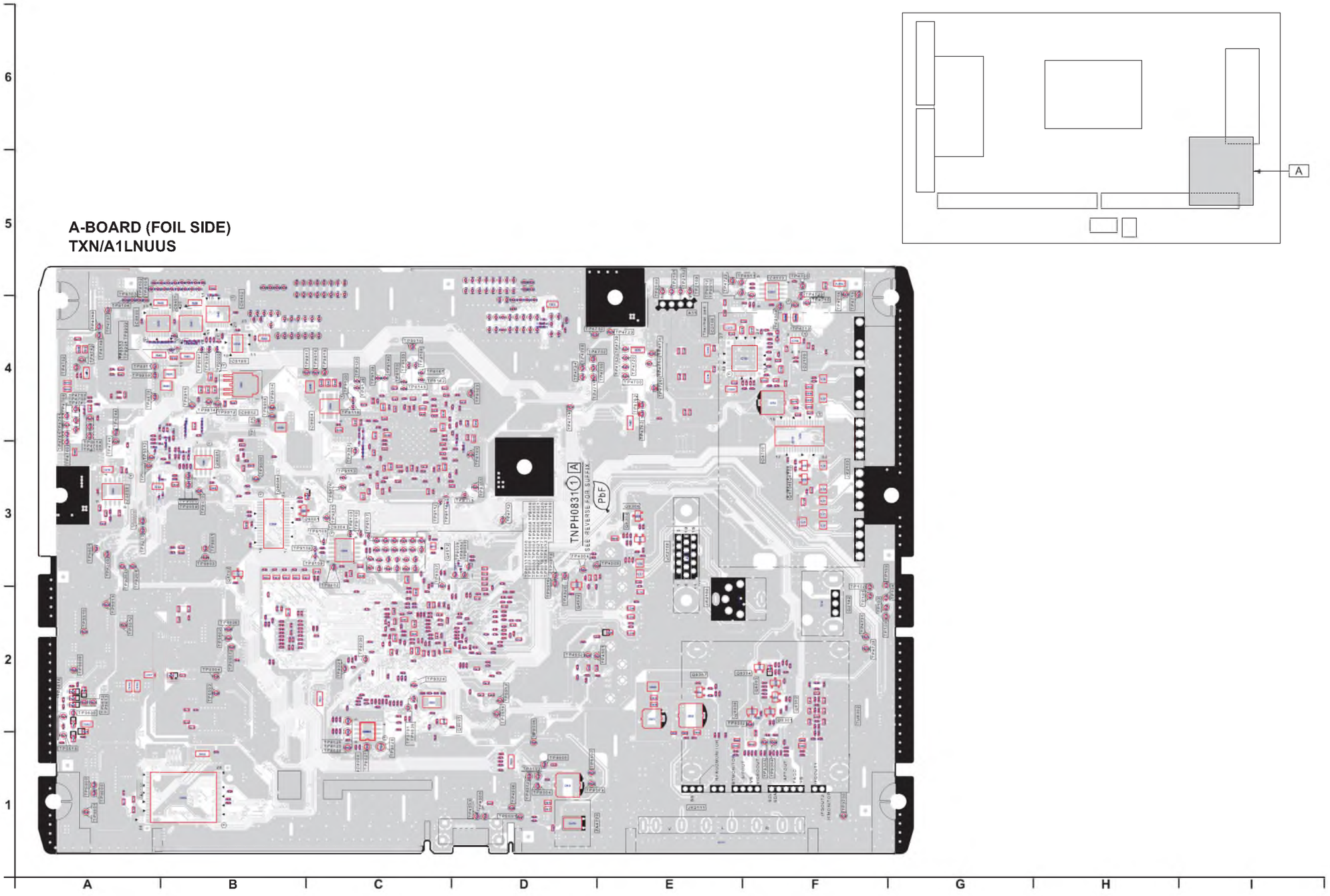
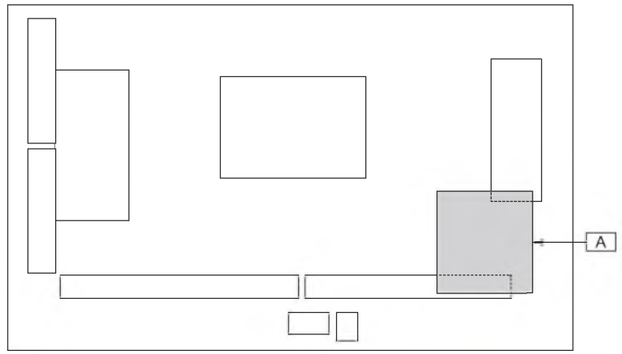
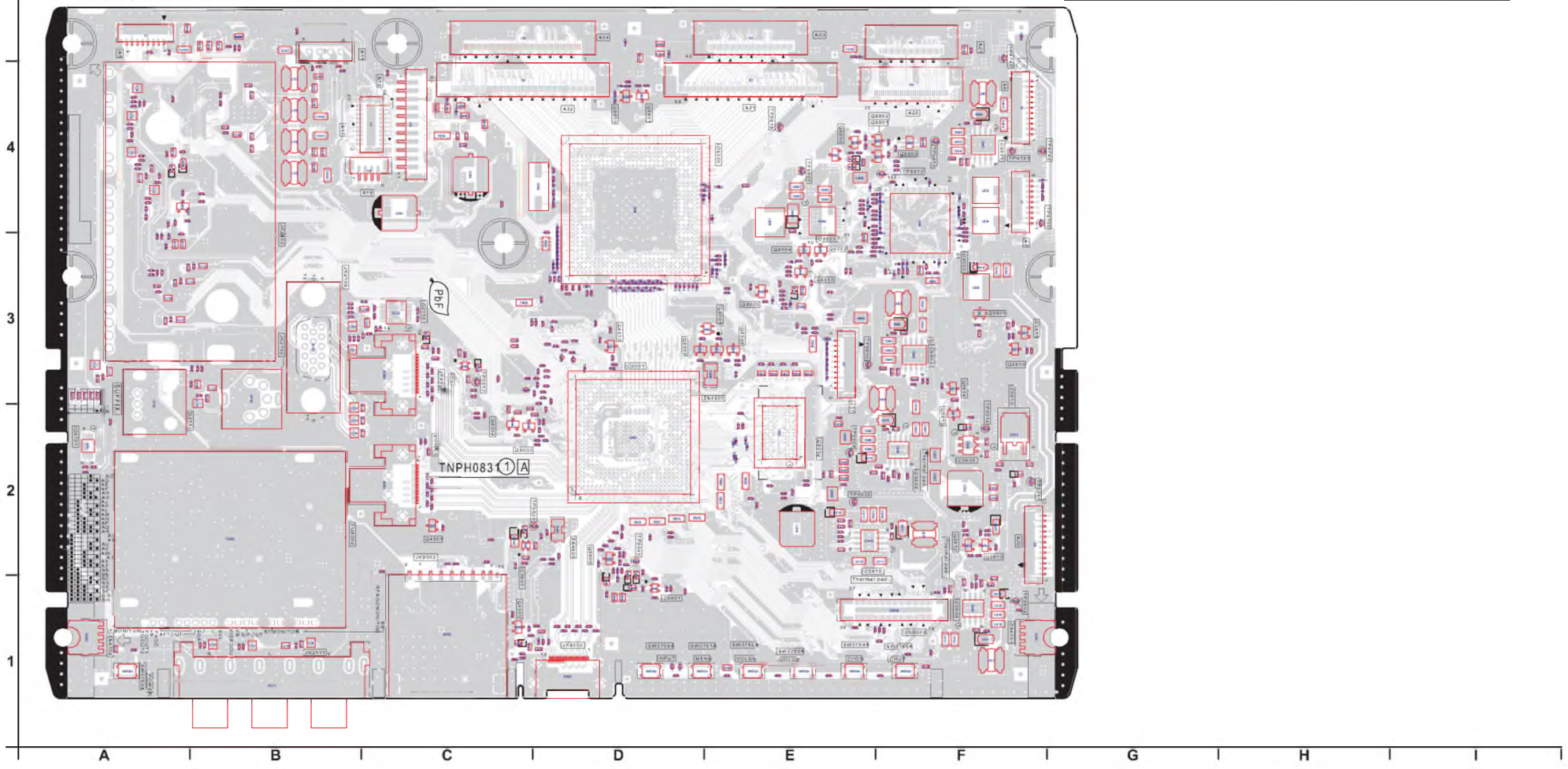
13.2. A-Board

A-BOARD (FOIL SIDE)
TXN/A1LNUUS

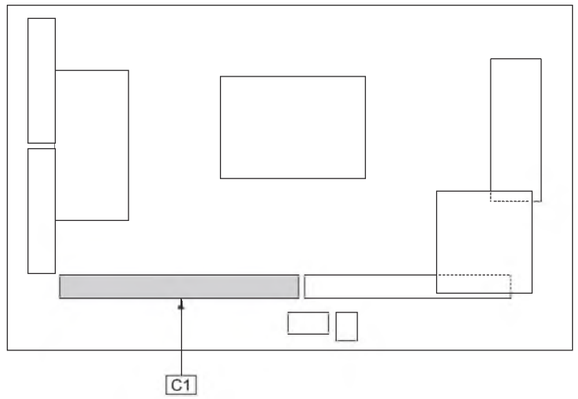




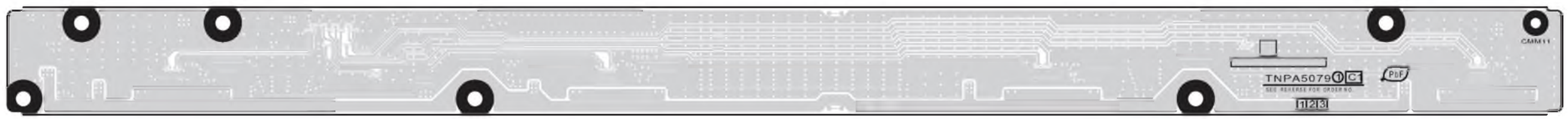
A-BOARD (COMPONENT SIDE)
TXN/A1LNUUS



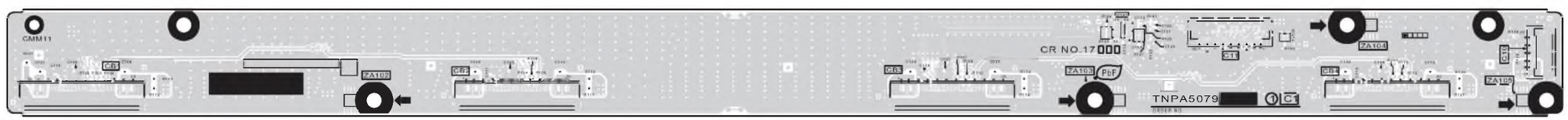
13.3. C1-Board



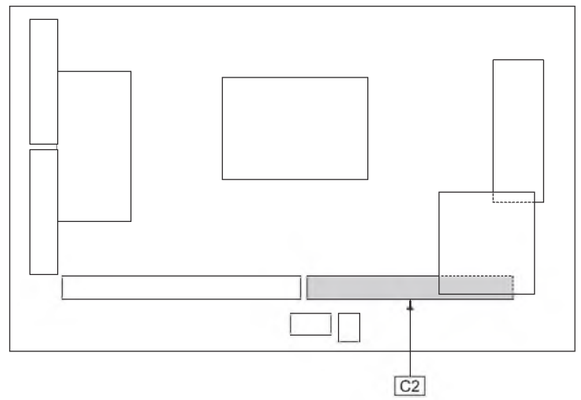
C1-BOARD (FOIL SIDE)
TXNC11LNUU



C1-BOARD (COMPONENT SIDE)
TXNC11LNUU

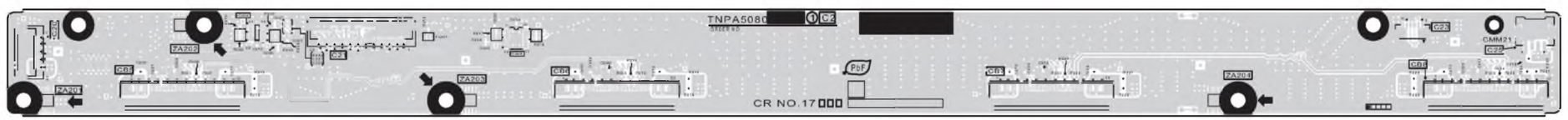


13.4. C2-Board

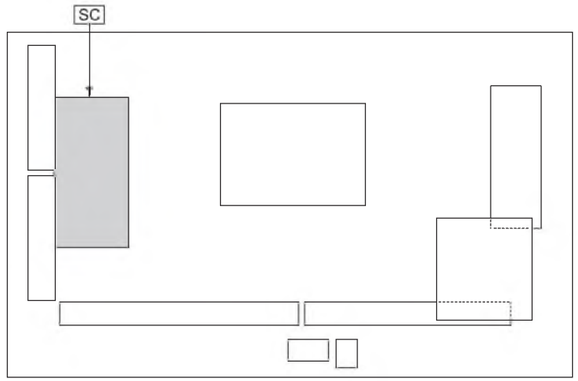


C2-BOARD (FOIL SIDE)
TXNC21LNUU

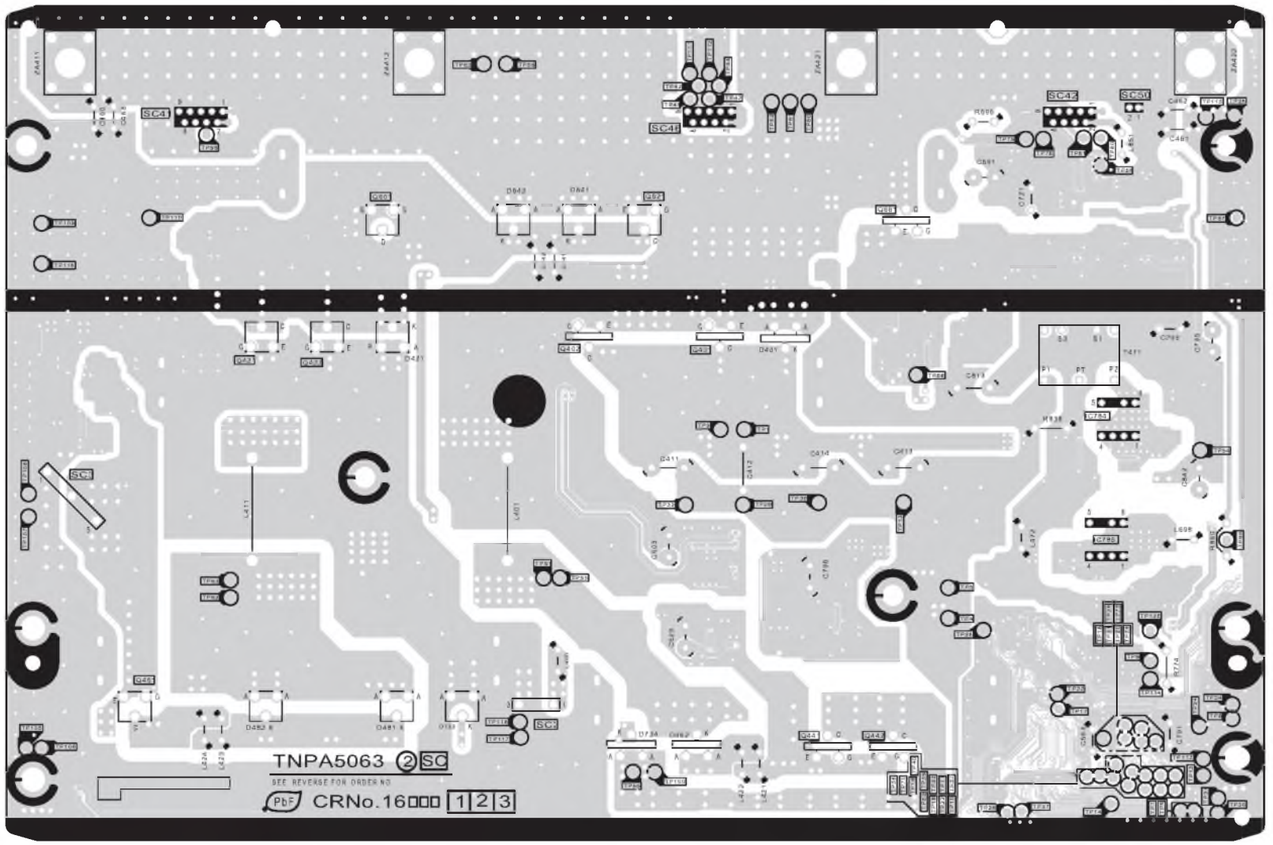
C2-BOARD (COMPONENT SIDE)
TXNC21LNUU

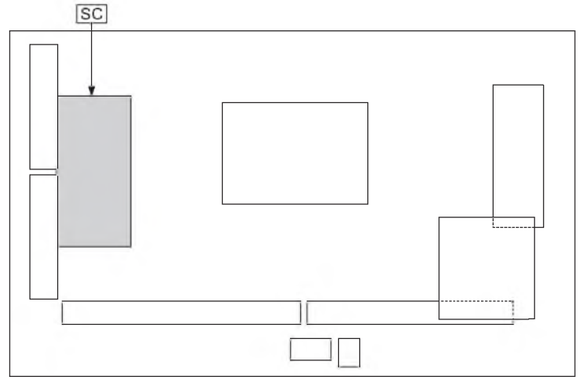


13.5. SC-Board

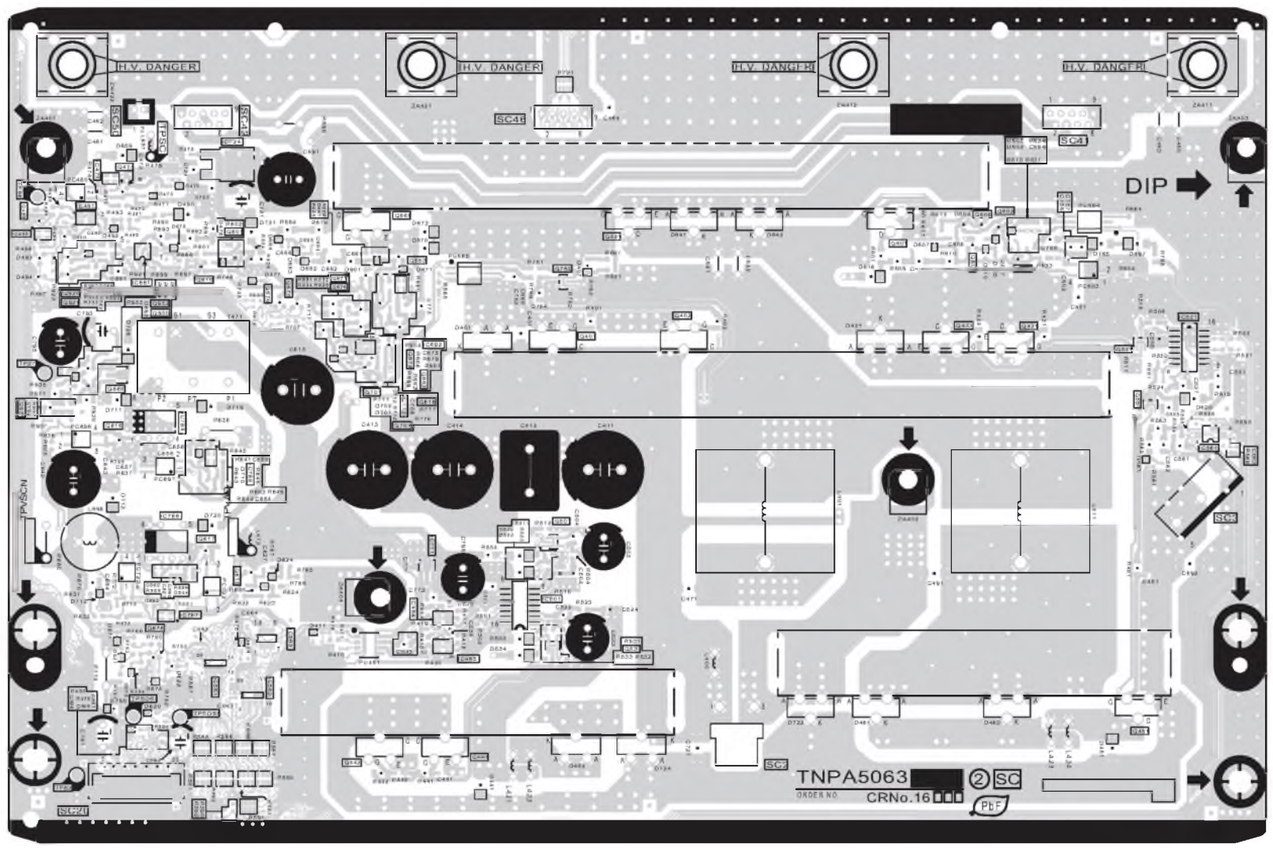


SC-BOARD (FOIL SIDE)
TXNSC1LNUU



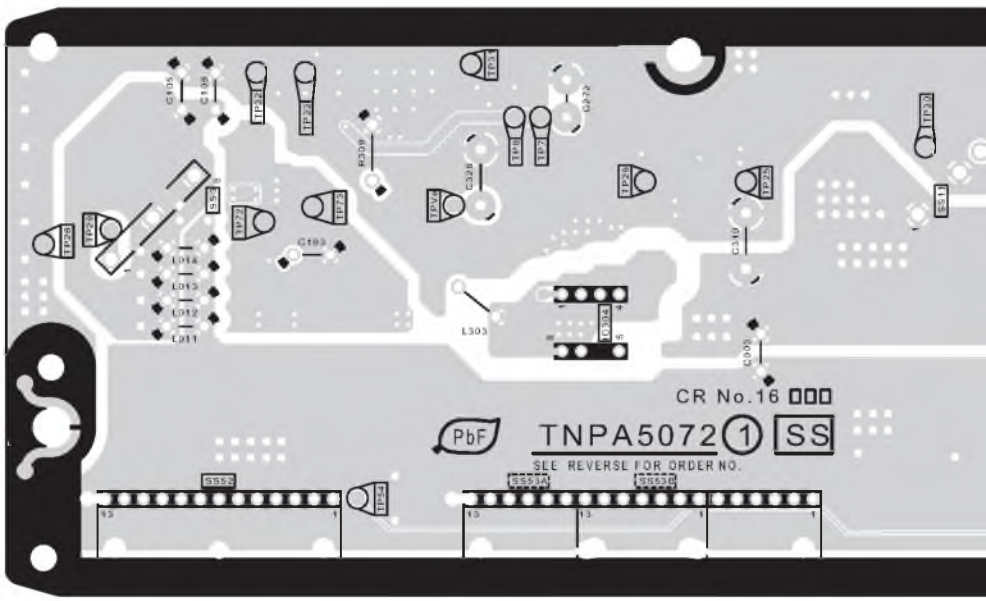


SC-BOARD (COMPONENT SIDE)
TXNSC1LNUU



13.6. SS-Board

SS-BOARD (FOIL SIDE)
TXNSS1LNUU



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A
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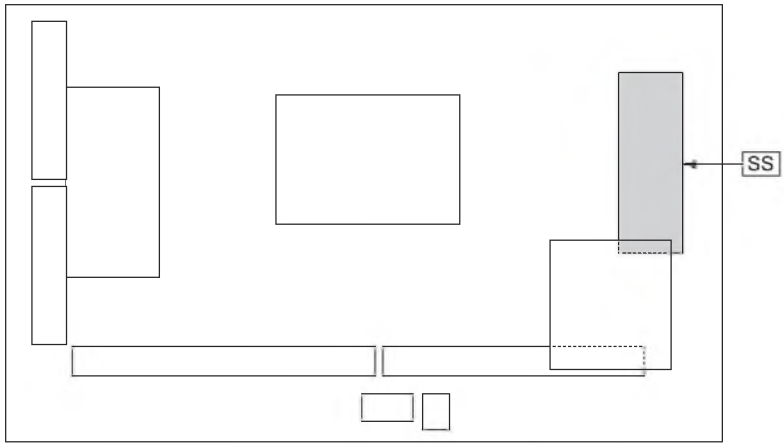
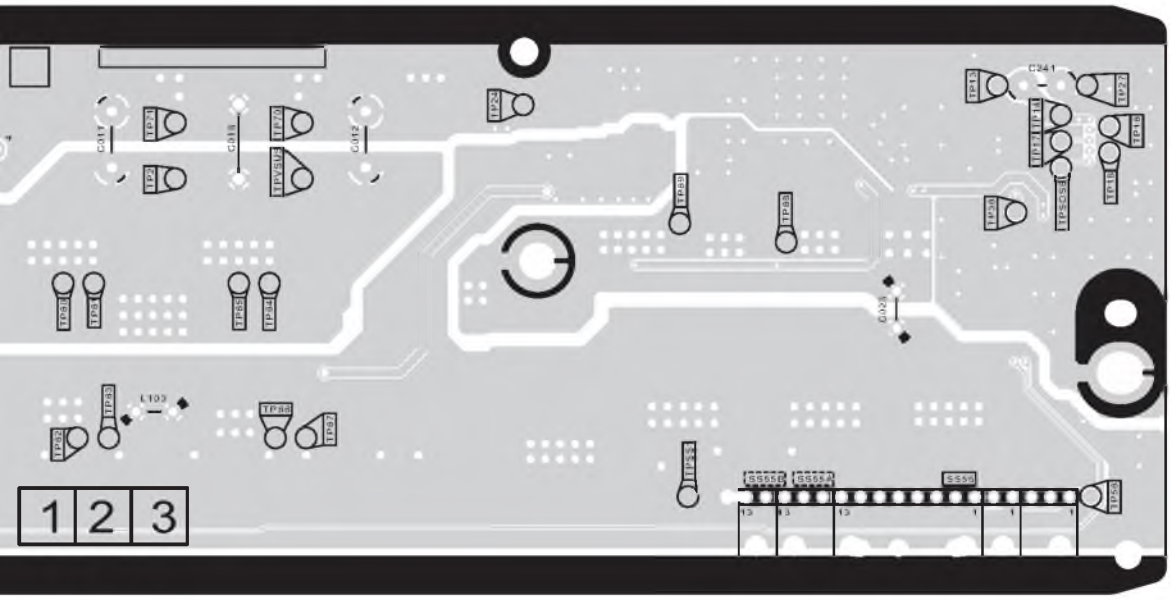
C
D





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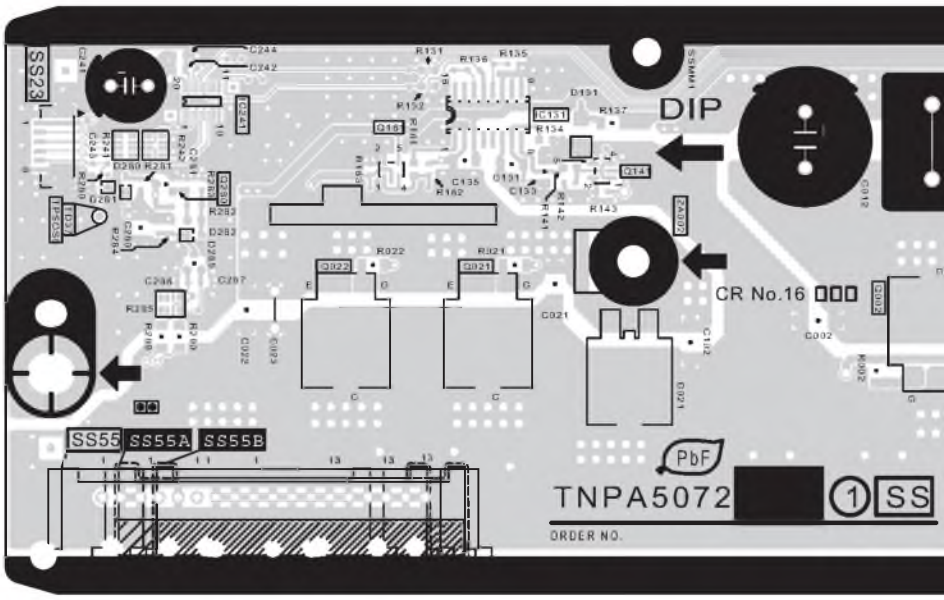
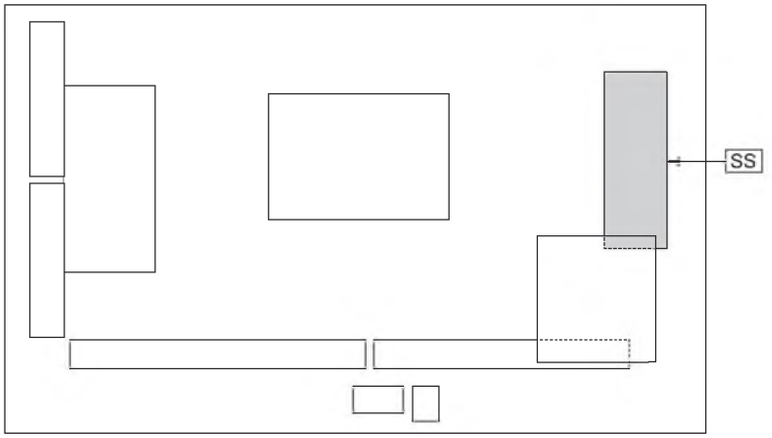
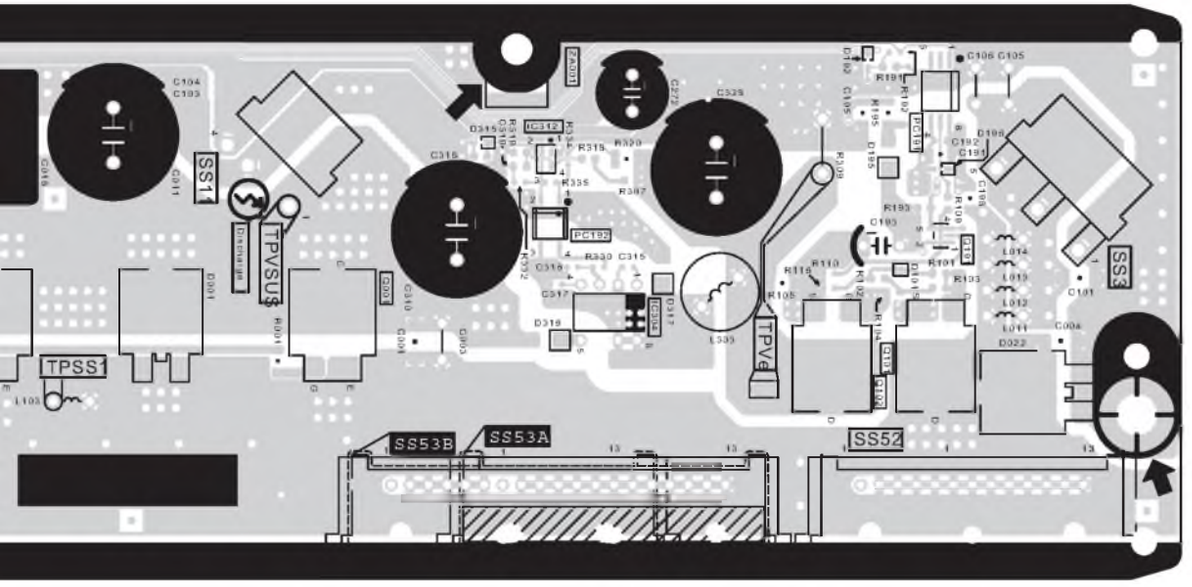
SS-BOARD (COMPONENT SIDE)
TXNSS1LNUU







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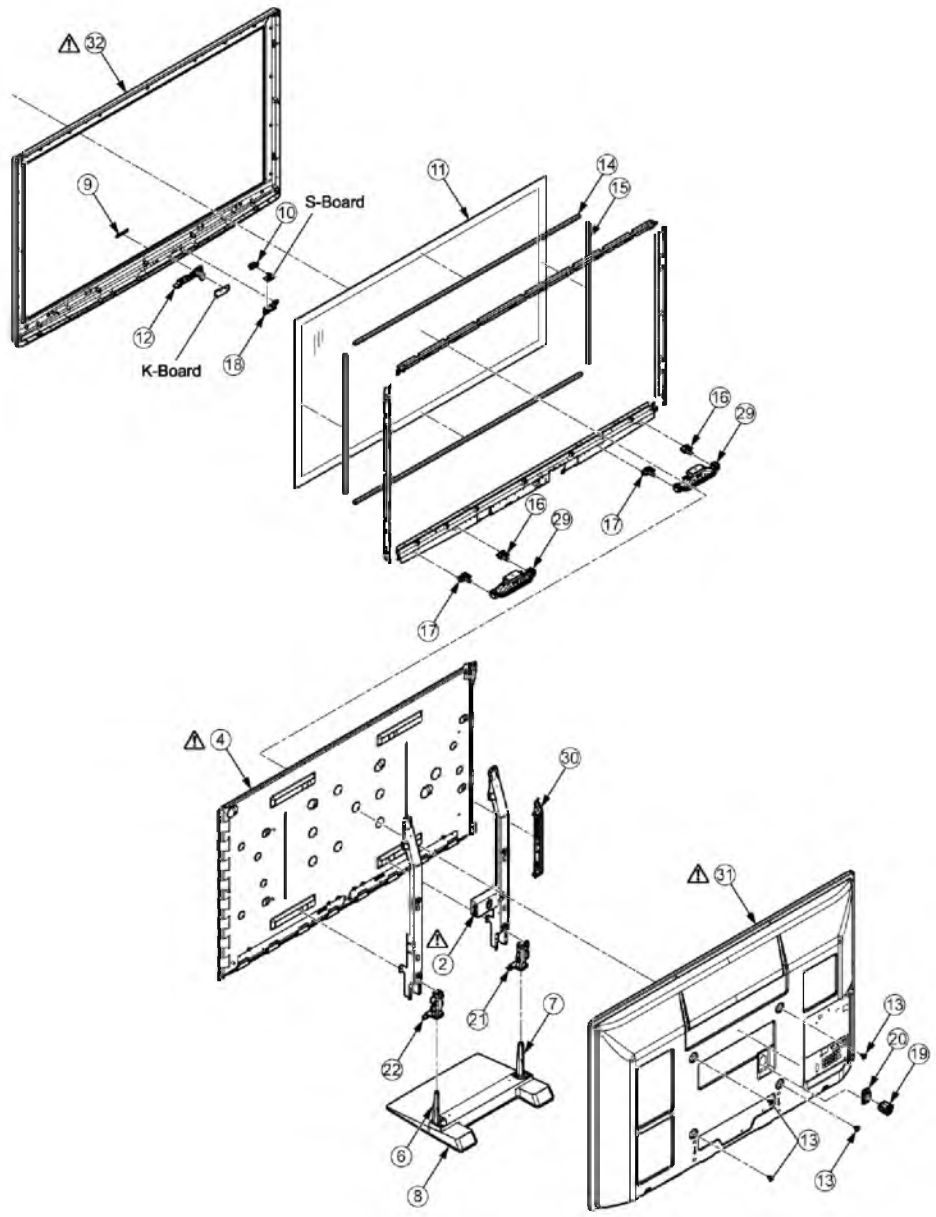
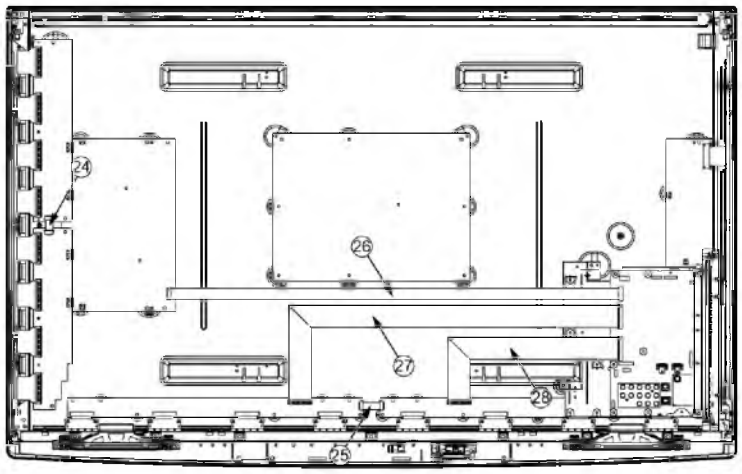
14 Exploded View and Replacement Parts List

14.1. Exploded View and Mechanical Replacement Parts List

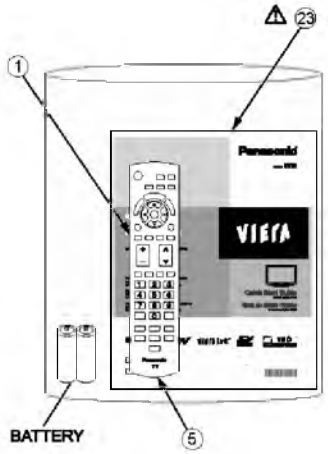
14.1.1. Exploded View 1

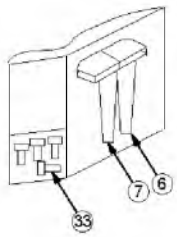


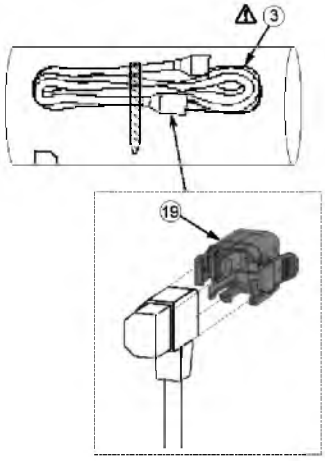
14.1.2. Exploded View 2



14.1.3. Accessories







14.1.4. Mechanical Replacement Parts List

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

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	10030-0047500	BATTERY COVER	1	PAVCA
⚠	2	K2AHYH000034	AC INLET WITH CABLE	1	PAVCA
⚠	3	K2CG3YY00060	AC CORD(USA)	1	PAVCA
⚠	4	MD50H13C2A	PLASMA DISPLAY PANEL	1	PAVCA
	5	N2QAYB000485	REMOTE CONTROL	1	PAVCA
	6	TBLA3679	STAND POLE R	1	
	7	TBLA3680	STAND POLE L	1	
	8	TBLX0135	PEDESTAL STAND	1	PAVCA
	9	TBMA339	PANASONIC SHEET BADGE	1	
	10	TBX2AA5301	POWER BUTTON	1	PAVCA
		THEL0429	SCREW	5	
		THEL052Z	SCREW (BC TOP:4)	2	
		THEL080N	PF SCREW(5x30)	4	
		THTD020J	SCREW(A-PRINT:4)	6	
		THTF016J	SCREW(TU:2)	2	
		THTF016J	SCREW(P:9 SC:8 SS:4 SUSD:3)	24	
		THTF016J	SCREW(DD:16 C:8)	24	
	11	TKGA5610	FRONT GLASS	1	PAVCA
	12	TKK2AA9402	LED PANEL	1	PAVCA
	13	TKKL5493	M8 CAP	4	
	14	TMK2AG08005	SPONGE(FRONT GLASS/UPPER/BOTTOM)	2	PAVCA
	15	TMK2AG08006	SPONGE(FRONT GLASS/LEFT/RIGHT)	2	PAVCA
		TMM23417	CLAMPER	2	
		TMME331	CLAMPER(P:1)	1	
		TMME332	CLAMPER(HANGER:4)	4	
		TMME332	CLAMPER(SS:1)	1	
		TMME332	CLAMPER	2	
		TMME332	CLAMPER	2	
		TMME341	CLAMPER	2	
	16	TMW2AA003	SP BRACKET L	2	PAVCA
	17	TMW2AA004	SP BRACKET R	2	PAVCA
	18	TMW2AA011	POWER BUTTON BRACKET	1	PAVCA
	19	TMXX064	AC CORD CLAMPER A	1	
	20	TMXX065	AC CORD CLAMPER B	1	
	21	TMZ2AX5003	STAND BRACKET L	1	PAVCA
	22	TMZ2AX5004	STAND BRACKET R	1	PAVCA
		TPD169487	JOINT	4	
		TPEB340	BAG (STAND ACCESSORY)	1	
⚠	23	TQB2AA0572	INSTRUCTION BOOK(ENG/SPA)	1	PAVCA
		TQZJ203	SCREW USE HANDBILL	1	
	24	TSXL519	CABLE (SU11-SD11)	1	
	25	TSXL927	CABLE (C10-C20)	1	
	26	TSXL937	CABLE (A21-SC20)	1	PAVCA

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	27	TSXL938	CABLE (C11-A33)	1	PAVCA
	28	TSXL939	CABLE (C31-A34)	1	PAVCA
	29	TXFEA01XSER	SPEAKER L/R ASSY	2	PAVCA
	30	TXFKP02XSER	SIDE TERMINAL COVER	1	PAVCA
⚠	31	TXFKU02XSER	REAR COVER	1	PAVCA
⚠	32	TXFKY01LNUU	CABINET ASSY	1	PAVCA
		TXJA11LQUU	SPEAKER LEAD (A11-SPR/SPL)	1	PAVCA
		XSB3+6FJ	SCREW(HDMI:3)	2	
		XTB4+12GFJ	SCREW(GH:20 PW:2 LED:1)	23	
		XTB4+12GFJK	SCREW(BC:11)	11	
		XTB4+12GFN	SCREW (4*12)	6	
		XTV3+10JFJK	SCREW(REAR AV:2)	2	
		XTW3+10TFJ	SCREW	1	
		XYN3+F10FJK	SCREW(BC-AC_INLET:2)	2	
		XYN3+J10FJ	SCREW	17	
		XYN4+E6FJ	SCREW(INLET:1)	1	
		XYN4+F10FJ	SCREW	6	
		XYN4+F10FJ	SCREW(SUSD:4)	4	
		XYN4+F10FJ	SCREW(HANGER METAL ASSY:4)	4	
		XYN4+F10FJ	SCREW(SP BRKT:4)	4	
		XYN4+F10FJ	SCREW(AL-GHT:4)	4	
	33	XYN5+F18FN	SCREW (STAND POLE)	4	
		XZB17X19C03	POLY BAG (STAND POLE)	1	
		XZB7.5X9D05	POLY BAG (SCREW)	1	

14.2. Electrical Replacement Parts List

14.2.1. Replacement Parts List Notes

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

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%

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V

Type Allowance

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

14.2.2. Electrical Replacement Parts List

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

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
⚠	PCB	TXN/A1LNUUS	CIRCUIT BOARD A	1	(RTL) PA VCA
⚠	PCB	N0AB5JK00001	CIRCUIT BOARD P	1	PAVCA
⚠	PCB	TXNC11LNUU	CIRCUIT BOARD C1	1	(RTL) PA VCA
⚠	PCB	TXNC21LNUU	CIRCUIT BOARD C2	1	(RTL) PA VCA
⚠	PCB	TXNSC1LNUU	CIRCUIT BOARD SC	1	(RTL) PA VCA
⚠	PCB	TXNSD1LNUU	CIRCUIT BOARD SD	1	PAVCA
⚠	PCB	TXNSS1LNUU	CIRCUIT BOARD SS	1	(RTL) PA VCA
⚠	PCB	TXNSU1LNUU	CIRCUIT BOARD SU	1	PAVCA
⚠	PCB	TXN/S1EQUUM	CIRCUIT BOARD S	1	(RTL) PA VCA
⚠	PCB	TXN/K1LFUUM	CIRCUIT BOARD K	1	(RTL) PA VCA
	A1	K1KA08B00270	8P CONNECTOR	1	
	A6	K1KY11AA0719	11P CONNECTOR	1	
	A7	K1KY09AA0719	9P CONNECTOR	1	
	A11	K1KA04AA0190	4P CONNECTOR	1	
	A17	K1KA20AA0009	20P CONNECTOR	1	
	A18	K1KA11A00178	11P CONNECTOR	1	
	A21	K1MY30BA0345	30P CONNECTOR	1	PAVCA
	A33	K1MY40BA0345	40P CONNECTOR	1	PAVCA
	A34	K1MY55BA0345	55P CONNECTOR	1	
	C10	K1MN20BA0231	20P CONNECTOR	1	
	C11	K1MY40BA0345	40P CONNECTOR	1	PAVCA
	C20	K1MY20BA0345	20P CONNECTOR	1	
	C21	K1MY55BA0345	55P CONNECTOR	1	
	C23	K1KY06AA0719	6P CONNECTOR	1	
	C25	K1KA04BA0107	4P CONNECTOR	1	
	C2103	F1G1A105A047	C 1UF, K, 10V	1	
	C2132	F1G1H330A731	C 33UF, 50V	1	
	C2135	F1G1H330A731	C 33UF, 50V	1	
	C2136	F1G1H330A731	C 33UF, 50V	1	
	C2137	F1G1H330A731	C 33UF, 50V	1	
	C2138	F1G1H330A731	C 33UF, 50V	1	
	C2139	F1G1H330A731	C 33UF, 50V	1	
	C2140	F1G1H330A731	C 33UF, 50V	1	
	C2197	F1G1C103A116	C 0.010UF, K, 16V	1	
	C2198	F1G1A105A047	C 1UF, K, 10V	1	
	C2199	F1G1A105A047	C 1UF, K, 10V	1	
	C2200	F1G1A105A047	C 1UF, K, 10V	1	
	C2201	F1G1A105A047	C 1UF, K, 10V	1	
	C2202	F1G1A105A047	C 1UF, K, 10V	1	
	C2204	F1G1A105A047	C 1UF, K, 10V	1	
	C2207	F1H1A225A051	C 22UF, 50V	1	
	C2208	F1H1A225A051	C 22UF, 50V	1	
	C2209	F1H1A225A051	C 22UF, 50V	1	
	C2210	F1H1A225A051	C 22UF, 50V	1	
	C2211	F1H1A225A051	C 22UF, 50V	1	
	C2212	F1H1A225A051	C 22UF, 50V	1	
	C2213	F1G1A105A047	C 1UF, K, 10V	1	
	C2214	F1G1A105A047	C 1UF, K, 10V	1	
	C2220	F1G1C104A116	C 0.10UF, K, 16V	1	
	C2221	F1G1C104A116	C 0.10UF, K, 16V	1	
	C2222	F1J1A106A087	C 0.010UF, K, 10V	1	
	C2223	F1G1E472A123	C 4200UF, Z, 25V	1	
	C2224	F1G1E472A123	C 4200UF, Z, 25V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C2225	F1G1A473A053	C 0.47UF, 10V	1	
	C2226	F1G1A473A053	C 0.47UF, 10V	1	
	C2229	F1G1H222A730	C 2200UF, 50V	1	
	C2230	F1G1C104A116	C 0.10UF, K, 16V	1	
	C2232	F1H1E104A129	C 0.1UF, 25V	1	
	C2233	F1K1E106A136	C 10UF, Z, 25V	1	
	C2234	F1H1E104A129	C 0.1UF, 25V	1	
	C2237	F1J1E105A231	C 1 UF 25V	1	
	C2238	F1J1E105A231	C 1 UF 25V	1	
	C2239	F1K1E106A136	C 10UF, Z, 25V	1	
	C2240	F1H1E333A129	C 0.033UF, 25V	1	
	C2241	F1H1E333A129	C 0.033UF, 25V	1	
	C2242	F1H1E333A129	C 0.033UF, 25V	1	
	C2243	F1H1E333A129	C 0.033UF, 25V	1	
	C2244	F1J1H474A757	C 0.47UF, 50V	1	
	C2245	F1J1H474A757	C 0.47UF, 50V	1	
	C2246	F1J1H104A835	C 0.10UF, 50V	1	
	C2247	F1J1H104A835	C 0.10UF, 50V	1	
	C2248	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2249	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2250	F1J1H104A835	C 0.10UF, 50V	1	
	C2251	F1J1H104A835	C 0.10UF, 50V	1	
	C2252	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2253	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2254	F1H1E104A129	C 0.1UF, 25V	1	
	C2255	F1H1E104A129	C 0.1UF, 25V	1	
	C2256	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2257	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2258	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2259	F1H1H223A970	C 0.22UF, K, 50V	1	
	C2264	F1H1E104A129	C 0.1UF, 25V	1	
	C2269	F1J1A475A087	C 4.7UF, K, 10V	1	
	C2272	F1G1C103A116	C 0.010UF, K, 16V	1	
	C2283	F1G1C104A116	C 0.10UF, K, 16V	1	
	C2296	F1H1A225A051	C 22UF, 50V	1	
	C2297	F1H1A225A051	C 22UF, 50V	1	
	C2318	F1G1H102A730	C 1000UF, 50V	1	
	C2319	F1G1H102A730	C 1000UF, 50V	1	
	C2512	ECJ3XB0J106M	C 10UF, M,6.3V	1	
	C2521	F1H1H103A970	C 0.001UF, K, 50V	1	
	C2523	F1H1C104A143	C 0.1UF, K, 16V	1	
	C2524	F1G1H102A730	C 1000UF, 50V	1	
	C4540	F1G1A105A047	C 1UF, K, 10V	1	
	C4541	F1G1A105A047	C 1UF, K, 10V	1	
	C4546	F1G1A105A047	C 1UF, K, 10V	1	
	C4547	F1G1A105A047	C 1UF, K, 10V	1	
	C4705	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4718	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4727	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4728	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4729	F1G1H102A730	C 1000UF, 50V	1	
	C4730	F1G1H102A730	C 1000UF, 50V	1	
	C4731	F1G1A105A047	C 1UF, K, 10V	1	
	C4732	F1G1H102A730	C 1000UF, 50V	1	
	C4733	F1G1H102A730	C 1000UF, 50V	1	
	C4734	F1G1H102A730	C 1000UF, 50V	1	
	C4735	F1G1H102A730	C 1000UF, 50V	1	
	C4740	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4741	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4744	F1G1H102A730	C 1000UF, 50V	1	
	C4745	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4746	F1G1H102A730	C 1000UF, 50V	1	
	C4747	F1G1C104A116	C 0.10UF, K, 16V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C4748	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4749	F1G1H102A730	C 1000UF, 50V	1	
	C4750	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4751	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4752	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4753	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4754	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4758	F1G1H102A730	C 1000UF, 50V	1	
	C4759	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4760	F1G1H102A730	C 1000UF, 50V	1	
	C4761	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4762	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4763	F1G1H102A730	C 1000UF, 50V	1	
	C4764	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4765	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4766	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4767	F1G1H102A730	C 1000UF, 50V	1	
	C4768	F1G1H102A730	C 1000UF, 50V	1	
	C4770	F1G1H102A730	C 1000UF, 50V	1	
	C4771	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4772	F1G1C104A116	C 0.10UF, K, 16V	1	
	C4773	F1G1E103A123	C 0.010UF, K, 25V	1	
	C4774	F1G1E103A123	C 0.010UF, K, 25V	1	
	C4775	F1K1E106A136	C 10UF, Z, 25V	1	
	C4778	F1J0J106A004	C 0.010UF, K, 16V	1	
	C4783	F1J0J106A004	C 0.010UF, K, 16V	1	
	C5652	F1G1H102A730	C 1000UF, 50V	1	
	C5663	F1J1A106A087	C 0.010UF, K, 10V	1	
	C5664	F1J1A106A087	C 0.010UF, K, 10V	1	
	C5667	F1G1E103A123	C 0.010UF, K, 25V	1	
	C5689	F1K0J226A008	C 22UF, K,6.3V	1	
	C5690	F1K0J226A008	C 22UF, K,6.3V	1	
	C5692	F1K1E106A136	C 10UF, Z, 25V	1	
	C5694	F1H1E104A129	C 0.1UF, 25V	1	
	C5695	F1G1C153A116	C 0.015UF, K, 16V	1	
	C5696	F1G1C103A116	C 0.010UF, K, 16V	1	
	C5698	F1K0J226A008	C 22UF, K,6.3V	1	
	C5700	F1H0J4750004	C 4.7UF, K, 16V	1	
	C5701	F1H0J4750004	C 4.7UF, K, 16V	1	
	C5702	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C5703	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C5704	F1K1E106A136	C 10UF, Z, 25V	1	
	C5705	F1K1E106A136	C 10UF, Z, 25V	1	
	C5706	F1G1E103A123	C 0.010UF, K, 25V	1	
	C5707	F1G1C104A116	C 0.10UF, K, 16V	1	
	C5708	F1K0J226A008	C 22UF, K,6.3V	1	
	C5709	F1K0J226A008	C 22UF, K,6.3V	1	
	C5711	F1K1E106A136	C 10UF, Z, 25V	1	
	C5713	F1H1E104A129	C 0.1UF, 25V	1	
	C5714	F1H1A334A084	C 0.33UF, K, 50V	1	
	C5715	F1G1E822A123	C 8200UF, Z, 25V	1	
	C5717	F1K0J226A008	C 22UF, K,6.3V	1	
	C5719	F1K0J226A008	C 22UF, K,6.3V	1	
	C5720	F1K0J226A008	C 22UF, K,6.3V	1	
	C5722	F1K1E106A136	C 10UF, Z, 25V	1	
	C5724	F1H1E104A129	C 0.1UF, 25V	1	
	C5725	F1H1A334A084	C 0.33UF, K, 50V	1	
	C5726	F1G1C153A116	C 0.015UF, K, 16V	1	
	C5728	F1K0J226A008	C 22UF, K,6.3V	1	
	C5730	F1K1E106A136	C 10UF, Z, 25V	1	
	C5731	F1K1E106A136	C 10UF, Z, 25V	1	
	C5733	F2H1E470A007	E 47UF, 25V	1	
	C5734	F1J1E105A231	C 1 UF 25V	1	
	C5736	F1G1A105A047	C 1UF, K, 10V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C5737	F1G1A105A047	C 1UF, K, 10V	1	
	C5738	F1G1A105A047	C 1UF, K, 10V	1	
	C5739	F1G1A105A047	C 1UF, K, 10V	1	
	C5764	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C5765	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C5771	F1H1E333A129	C 0.033UF, 25V	1	
	C5776	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C5777	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C5778	F1G1H102A730	C 1000UF, 50V	1	
	C5779	F1G1H102A730	C 1000UF, 50V	1	
	C5780	F1G1H102A730	C 1000UF, 50V	1	
	C8001	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
	C8002	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
	C8003	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8004	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8005	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8006	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8007	F1G1H4R0A732	C 4.0PF, K, 50V	1	PAVCA
	C8008	F1G1H5R0A732	C 5.0PF, K, 50V	1	
	C8009	F1J1A475A087	C 4.7UF, K, 10V	1	
	C8011	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8012	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8013	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8014	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8015	F1G1C151A117	C 150UF, K, 16V	1	PAVCA
	C8016	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8017	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8018	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8019	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8020	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8021	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8022	F1G1C103A116	C 0.010UF, K, 16V	1	
	C8023	F1G1H5R0A732	C 5.0PF, K, 50V	1	
	C8024	F1G1C103A116	C 0.010UF, K, 16V	1	
	C8025	F1G1C5R0A118	C 5.0UF, K, 16V	1	PAVCA
	C8026	F1G1C103A116	C 0.010UF, K, 16V	1	
	C8027	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8028	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8029	F1G1C153A116	C 0.015UF, K, 16V	1	
	C8030	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8033	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8034	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8035	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8036	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8037	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8038	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8039	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8040	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8041	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8042	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8043	F1G1A105A047	C 1UF, K, 10V	1	
	C8044	F1G1A105A047	C 1UF, K, 10V	1	
	C8045	F1G1A105A047	C 1UF, K, 10V	1	
	C8046	F1J0G2260001	C 0.001UF, 6.3V	1	
	C8047	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8048	F1G1H102A730	C 1000UF, 50V	1	
	C8049	F1G1A105A047	C 1UF, K, 10V	1	
	C8050	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8051	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8053	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8054	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8056	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8058	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8059	F1G1A105A047	C 1UF, K, 10V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C8060	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8061	F1G1H102A730	C 1000UF, 50V	1	
	C8062	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8063	F1G1H102A730	C 1000UF, 50V	1	
	C8064	F1G1A105A047	C 1UF, K, 10V	1	
	C8065	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8067	F1G1A105A047	C 1UF, K, 10V	1	
	C8068	F1G1A105A047	C 1UF, K, 10V	1	
	C8069	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8070	F1G1H102A730	C 1000UF, 50V	1	
	C8071	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8073	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8074	F1G1H102A730	C 1000UF, 50V	1	
	C8075	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8078	F1G1A105A047	C 1UF, K, 10V	1	
	C8079	F1G1A105A047	C 1UF, K, 10V	1	
	C8080	F1G1A105A047	C 1UF, K, 10V	1	
	C8081	F1G1A105A047	C 1UF, K, 10V	1	
	C8082	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8097	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8101	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8102	F1G1H5R0A732	C 5.0PF, K, 50V	1	
	C8104	F1G1H102A730	C 1000UF, 50V	1	
	C8105	F1G1H102A730	C 1000UF, 50V	1	
	C8110	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8111	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8112	F1G1H102A730	C 1000UF, 50V	1	
	C8113	F1G1A105A047	C 1UF, K, 10V	1	
	C8116	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8120	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8121	F1G1H102A730	C 1000UF, 50V	1	
	C8127	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8130	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8131	F1G1H102A730	C 1000UF, 50V	1	
	C8132	F1G1A105A047	C 1UF, K, 10V	1	
	C8133	F1G1H102A730	C 1000UF, 50V	1	
	C8136	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8139	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8140	F1G1H102A730	C 1000UF, 50V	1	
	C8141	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8143	F1G1A105A047	C 1UF, K, 10V	1	
	C8144	F1G1A105A047	C 1UF, K, 10V	1	
	C8145	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8146	F1G1H102A730	C 1000UF, 50V	1	
	C8147	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8148	F1G1H102A730	C 1000UF, 50V	1	
	C8302	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8303	F1G1H102A730	C 1000UF, 50V	1	
	C8304	F1G1A105A047	C 1UF, K, 10V	1	
	C8305	F1G1H221A731	C 220UF, 50V	1	
	C8306	F1G1H152A730	C 1500UF, 50V	1	
	C8307	F1G1H222A730	C 2200UF, 50V	1	
	C8308	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8312	F1G1H181A731	C 180UF, 50V	1	
	C8313	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8315	F1G1H102A730	C 1000UF, 50V	1	
	C8318	F1G1H221A731	C 220UF, 50V	1	
	C8319	F1G1H221A731	C 220UF, 50V	1	
	C8324	EEEHB0J221UP	C 220PF, J, 6.3V	1	
	C8328	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8331	F1G1H330A731	C 33UF, 50V	1	
	C8332	F1G1H330A731	C 33UF, 50V	1	
	C8333	F1G1H151A731	C 150PF, K, 50V	1	
	C8334	F1G1H221A731	C 220UF, 50V	1	
	C8335	F1G1H221A731	C 220UF, 50V	1	
	C8336	F1G1H390A731	C 39UF, 50V	1	
	C8337	F1G1H121A731	C 120PF, K, 50V	1	
	C8338	F1G1H121A731	C 120PF, K, 50V	1	
	C8339	F1G1H680A731	C 68UF, 50V	1	
	C8342	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8343	F1G1C104A116	C 0.10UF, K, 16V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C8349	F1G1H102A730	C 1000UF, 50V	1	
	C8350	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8351	F1G1H102A730	C 1000UF, 50V	1	
	C8352	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8353	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8354	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8355	F1J1A106A087	C 0.010UF, K, 10V	1	
	C8364	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8365	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8366	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8367	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8368	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8369	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8501	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8503	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8504	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8505	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8506	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8512	F2G1C470A022	E 47UF, 16V	1	
	C8513	F1G1C104A116	C 0.10UF, K, 16V	1	
	C8514	F1G1C103A116	C 0.010UF, K, 16V	1	
	C8520	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9033	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9034	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9035	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9036	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9037	F1G1E103A123	C 0.010UF, K, 25V	1	
	C9040	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9044	F1J1A475A087	C 4.7UF, K, 10V	1	
	C9045	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9046	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9047	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9048	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9049	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9050	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9051	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9052	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9053	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9055	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9057	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9061	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9062	F1J1A475A087	C 4.7UF, K, 10V	1	
	C9063	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9065	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9100	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9101	F1G1E103A123	C 0.010UF, K, 25V	1	
	C9102	F1K1E106A136	C 10UF, Z, 25V	1	
	C9103	F1G1E103A123	C 0.010UF, K, 25V	1	
	C9105	F1G1H101A731	C 100PF, K, 50V	1	
	C9300	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9301	F1G1H150A731	C 15UF, 50V	1	
	C9302	F1G1H150A731	C 15UF, 50V	1	
	C9307	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9308	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9311	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9312	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9313	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9314	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9315	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9316	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9319	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9322	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9323	F1G1C104A116	C 0.10UF, K, 16V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C9325	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9327	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9335	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9336	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9337	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9339	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9340	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9342	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9344	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9347	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
	C9349	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9350	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9351	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9352	ECJ1VB0J105K	C 1UF, K, 6.3V	1	
	C9356	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9361	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9363	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9371	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9372	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9373	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9374	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9375	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9380	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9383	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9391	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9392	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9800	F1H1E104A129	C 0.1UF, 25V	1	
	C9801	F1G1E682A123	C 6800UF, Z, 25V	1	
	C9803	F1G1E472A123	C 4200UF, Z, 25V	1	
	C9804	F1K1E106A136	C 10UF, Z, 25V	1	
	C9805	F1K1E106A136	C 10UF, Z, 25V	1	
	C9806	F1G1H101A731	C 100PF, K, 50V	1	
	C9807	F1G1H201A731	C 200 UF, K, 50V	1	
	C9809	F1G1H102A730	C 1000UF, 50V	1	
	C9811	F1G1C104A116	C 0.10UF, K, 16V	1	
	C9812	F1K1E106A136	C 10UF, Z, 25V	1	
	C9813	F1K1E106A136	C 10UF, Z, 25V	1	
	C9814	F1K0J226A008	C 22UF, K,6.3V	1	
	C9815	F1K0J226A008	C 22UF, K,6.3V	1	
	C9816	F1G1E103A123	C 0.010UF, K, 25V	1	
	C9817	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9819	F1J1A106A087	C 0.010UF, K, 10V	1	
	C9825	F1K0J226A008	C 22UF, K,6.3V	1	
	C9843	F1K0J226A008	C 22UF, K,6.3V	1	
	C9900	F1G1E103A123	C 0.010UF, K, 25V	1	
	C9901	F1G1H102A730	C 1000UF, 50V	1	
	C16001	F1L2J1020001	C 1000UF, K,6.3V	1	
	C16002	F1L2J562A022	C 5600UF, K,6.3V	1	
	C16004	F1L2J222A022	C 2200UF, K,6.3V	1	
	C16011	F2A2T251A004	E 250UF, 220V	1	
	C16012	F2A2T251A004	E 250UF, 220V	1	
	C16018	F0C2E155A252	E 0.015UF, 250V	1	
	C16022	F1L2J1020001	C 1000UF, K,6.3V	1	
	C16101	F1L2J1020001	C 1000UF, K,6.3V	1	
	C16102	F1L2J562A022	C 5600UF, K,6.3V	1	
	C16103	F1H1E470A130	C 47UF, K, 25V	1	
	C16104	F1H1E470A130	C 47UF, K, 25V	1	
	C16105	F1E2J221A002	C 22PF, 600V	1	PAVCA
	C16106	F1E2J221A002	C 22PF, 600V	1	PAVCA
	C16131	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16133	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16135	F1K1E105A029	C 1UF, Z, 25V	1	
	C16191	F1K1E475A134	C 4.7UF, Z, 25V	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	C16192	F1H1E104A129	C 0.1UF, 25V	1	
	C16193	EEUFC1E470	E 47UF, 25V	1	
	C16195	F1K1E105A029	C 1UF, Z, 25V	1	
	C16242	F1H1C105A145	C 0.01UF, K, 16V	1	
	C16243	F1H1H103A970	C 0.001UF, K, 50V	1	
	C16244	F1J1A106A087	C 0.010UF, K, 10V	1	
	C16272	F2A1E471A102	E 470UF, 25V	1	
	C16286	F1H1H104A970	C 0.1UF, K, 50V	1	
	C16287	F1H1H104A970	C 0.1UF, K, 50V	1	
	C16310	F2A2T251A004	E 250UF, 220V	1	
	C16315	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16316	F1H1C104A143	C 0.1UF, K, 16V	1	
	C16317	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16318	F1J1H104A835	C 0.10UF, 50V	1	
	C16319	F1J1H104A835	C 0.10UF, 50V	1	
	C16328	F2A2D201A226	E 220UF, 200V	1	
	C16401	F1L2J562A022	C 5600UF, K,6.3V	1	
	C16411	F2A2T251A004	E 250UF, 220V	1	
	C16412	F0C2E155A252	E 0.015UF, 250V	1	
	C16413	F2A2T251A004	E 250UF, 220V	1	
	C16414	F2A2T251A004	E 250UF, 220V	1	
	C16421	F1L2J562A022	C 5600UF, K,6.3V	1	
	C16460	F1E2J222A002	C 2200PF, 600V	1	
	C16461	F1E2J331A002	C 33PF, 600V	1	PAVCA
	C16463	F1E2J472A001	C 4700PF, 600V	1	
	C16471	F1L2J1020001	C 1000UF, K,6.3V	1	
	C16472	F1K1E105A029	C 1UF, Z, 25V	1	
	C16490	F1H1C105A145	C 0.01UF, K, 16V	1	
	C16491	F1L2J1020001	C 1000UF, K,6.3V	1	
	C16501	F1K1E105A029	C 1UF, Z, 25V	1	
	C16502	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16503	F2A1E471A102	E 470UF, 25V	1	
	C16504	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16505	F1K1E105A029	C 1UF, Z, 25V	1	
	C16521	F1K1E105A029	C 1UF, Z, 25V	1	
	C16522	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16523	F2A1E471A102	E 470UF, 25V	1	
	C16524	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16525	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16527	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16533	F1K1E105A029	C 1UF, Z, 25V	1	
	C16561	F1J1A106A087	C 0.010UF, K, 10V	1	
	C16562	F1H1C105A145	C 0.01UF, K, 16V	1	
	C16564	F1H1C105A145	C 0.01UF, K, 16V	1	
	C16565	F1H1H103A970	C 0.001UF, K, 50V	1	
	C16566	F1H1H103A970	C 0.001UF, K, 50V	1	
	C16581	F1K1E105A029	C 1UF, Z, 25V	1	
	C16582	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16593	F1H1H102A971	C 1000PF, K, 50V	1	
	C16602	F1H1H220A971	C 22PF, K, 50V	1	
	C16603	F1K2J102A014	C 1000UF, K,6.3V	1	
	C16604	F1K2J102A014	C 1000UF, K,6.3V	1	
	C16608	F1H1H221A971	C 220UF, K, 50V	1	
	C16641	F1E2J332A002	C 3300PF, 600V	1	
	C16642	F1E2J332A002	C 3300PF, 600V	1	
	C16661	F1K2J102A038	C 1000UF, K,6.3V	1	
	C16662	F1K2J102A038	C 1000UF, K,6.3V	1	
	C16664	F1H1H680A971	C 68PF, K, 50V	1	
	C16665	F1H1H680A971	C 68PF, K, 50V	1	
	C16666	F1H1H680A971	C 68PF, K, 50V	1	
	C16675	F1H1H391A971	C 391UF, 50V	1	
	C16684	F1H1H104A970	C 0.1UF, K, 50V	1	
	C16685	F1H1H104A970	C 0.1UF, K, 50V	1	
	C16691	F2A2C101A097	E 1000UF, 160V	1	
	C16707	F1H1H220A971	C 22PF, K, 50V	1	
	C16708	F1H1H104A970	C 0.1UF, K, 50V	1	
	C16712	F1G1H201A731	C 200 UF, K, 50V	1	
	C16721	F2A1H101A128	E 100UF, 50V	1	
	C16723	F1K1E105A029	C 1UF, Z, 25V	1	

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	C16724	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16727	F1L2J1520001	C 1500UF, K,6.3V	1	
	C16753	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16755	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16756	F1K1E475A134	C 4.7UF, Z, 25V	1	
	C16771	F1H1C105A145	C 0.01UF, K, 16V	1	
	C16773	F1K1E105A029	C 1UF, Z, 25V	1	
	C16791	EEUFC1E221	E 220UF, 25V	1	
	C16793	EEUFC1E221	E 220UF, 25V	1	
	C16794	F1J1A106A087	C 0.010UF, K, 10V	1	
	C16795	F2A1E471A102	E 470UF, 25V	1	
	C16796	F2A1E471A102	E 470UF, 25V	1	
	C16813	F2A2T221A015	E 220UF, 220V	1	PAVCA
	C16842	F2A2C101A097	E 1000UF, 160V	1	
	C16843	F1J1H104A835	C 0.10UF, 50V	1	
	C16844	F1J1H104A835	C 0.10UF, 50V	1	
	C16854	F1J1H104A835	C 0.10UF, 50V	1	
	C16856	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16857	F1H1C104A143	C 0.1UF, K, 16V	1	
	C16858	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16859	F1J1H104A835	C 0.10UF, 50V	1	
	C16860	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16861	F1H1C104A143	C 0.1UF, K, 16V	1	
	C16862	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C16863	F1J1H104A835	C 0.10UF, 50V	1	
	C16864	F1J1H104A835	C 0.10UF, 50V	1	
	C16891	F1K1E105A029	C 1UF, Z, 25V	1	
	C16892	F1L2J1020001	C 1000UF, K,6.3V	1	
	C17104	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17105	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17107	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17108	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17109	F1L2A334A031	E 3300UF, 100V	1	
	C17110	F1L2A334A031	E 3300UF, 100V	1	
	C17111	F1L2A334A031	E 3300UF, 100V	1	
	C17112	F1L2A334A031	E 3300UF, 100V	1	
	C17113	F1H1C104A143	C 0.1UF, K, 16V	1	
	C17208	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17209	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17210	F1H1C104A143	C 0.1UF, K, 16V	1	
	C17211	F1L2A334A031	E 3300UF, 100V	1	
	C17212	F1L2A334A031	E 3300UF, 100V	1	
	C17214	F1H1C104A143	C 0.1UF, K, 16V	1	
	C17215	F1L2A334A031	E 3300UF, 100V	1	
	C17216	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17217	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
	C17218	F1L2A334A031	E 3300UF, 100V	1	
	CB1	K1MY55B00002	55P CONNECTOR	1	
	CB2	K1MY55B00002	55P CONNECTOR	1	
	CB3	K1MY55B00002	55P CONNECTOR	1	
	CB4	K1MY55B00002	55P CONNECTOR	1	
	CB5	K1MY55B00002	55P CONNECTOR	1	
	CB6	K1MY55B00002	55P CONNECTOR	1	
	CB7	K1MY55B00002	55P CONNECTOR	1	
	CB8	K1MY55B00002	55P CONNECTOR	1	
	D2142	K7AAAY000006	PHOTO LINK	1	
	D2520	B3AAB0000343	LED	1	
	D4503	EZAEG2A50AX	ESD SUPPRESSOR	1	
	D4507	EZAEG2A50AX	ESD SUPPRESSOR	1	
	D4510	EZAEG2A50AX	ESD SUPPRESSOR	1	
	D4511	EZAEG2A50AX	ESD SUPPRESSOR	1	
	D4703	B0JCME000076	DIODE	1	
	D4704	B0ACCJ000048	DIODE	1	
	D5603	B0ACCJ000048	DIODE	1	
	D5604	B0ACCJ000048	DIODE	1	
	D5605	B0ACCJ000048	DIODE	1	
	D5606	B0JCCE000008	DIODE	1	
	D5629	B0BC8R200004	DIODE	1	PAVCA
	D5633	B0ACCJ000048	DIODE	1	
	D5670	B0JCCE000008	DIODE	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	D5671	B0JCCE000008	DIODE	1	
	D5765	B0HCMM000014	DIODE	1	
	D5770	B0JCPG000030	DIODE	1	
	D5771	B0JCPG000030	DIODE	1	
	D5772	B0JCPG000030	DIODE	1	
	D8300	B0ACCJ000048	DIODE	1	
	D9000	B0JCCE000008	DIODE	1	
	D9110	B0JCGD000002	DIODE	1	
	D9804	B0JCPG000030	DIODE	1	
	D9808	B0ADCJ000100	DIODE	1	
	D16001	B0FCCN000003	DIODE	1	PAVCA
	D16021	B0FCCN000003	DIODE	1	PAVCA
	D16022	B0FCCN000003	DIODE	1	PAVCA
	D16101	B0JCME000093	DIODE	1	
	D16131	B0ECKP000055	DIODE	1	
	D16192	B0ACCJ000048	DIODE	1	
	D16195	B0ECKP000055	DIODE	1	
	D16196	DZ2J200M0L	ZENER DIODE	1	
	D16280	B0ACCJ000048	DIODE	1	
	D16281	DZ2J051M0L	ZENER DIODE	1	
	D16282	DZ2J068M0L	ZENER DIODE	1	PAVCA
	D16285	B0ADEJ000035	ZENER DIODE	1	
	D16315	DZ2J150M0L	ZENER DIODE	1	
	D16316	B0ECKP000055	DIODE	1	
	D16317	B0ECKP000055	DIODE	1	
	D16401	DA3DF50ACSLW	ZENER DIODE	1	
	D16407	B0JCME000093	DIODE	1	
	D16411	B0ACCJ000048	DIODE	1	
	D16421	B0FACP000006	DIODE	1	
	D16441	B0ECHR000001	DIODE	1	
	D16451	B0ECHR000001	DIODE	1	
	D16462	B0FACQ000001	DIODE	1	
	D16473	B0ACCJ000048	DIODE	1	
	D16474	B0ACCJ000048	DIODE	1	
	D16475	DZ2J051M0L	ZENER DIODE	1	
	D16477	DZ2J047L0L	ZENER DIODE	1	
	D16478	B0ACCJ000048	DIODE	1	
	D16480	B0ACCJ000048	DIODE	1	
	D16481	B0FACQ000002	DIODE	1	
	D16490	B0ECKP000055	DIODE	1	
	D16492	DZ2J047M0L	ZENER DIODE	1	
	D16493	B0ADCJ000100	DIODE	1	
	D16494	B0ADCJ000100	DIODE	1	
	D16497	B0ECKP000055	DIODE	1	
	D16503	B0ECHR000001	DIODE	1	
	D16522	B0ECHR000001	DIODE	1	
	D16534	B0ECHR000001	DIODE	1	
	D16536	B0ECHR000001	DIODE	1	
	D16583	B3ABB0000210	LED	1	
	D16602	DZ2J150M0L	ZENER DIODE	1	
	D16604	B0ADCJ000100	DIODE	1	
	D16605	DZ2J051L0L	ZENER DIODE	1	
	D16607	B0ACCJ000048	DIODE	1	
	D16610	B0ACCJ000048	DIODE	1	
	D16618	B0ECKP000055	DIODE	1	
	D16620	B0ECKP000055	DIODE	1	
	D16641	B0FBCN000007	DIODE	1	
	D16642	B0FBCN000007	DIODE	1	
	D16662	DZ2J330M0L	ZENER DIODE	1	
	D16663	DZ2J330M0L	ZENER DIODE	1	
	D16664	DZ2J330M0L	ZENER DIODE	1	
	D16670	B0ECHR000001	DIODE	1	
	D16671	B0ACCJ000048	DIODE	1	
	D16672	B0ECHR000001	DIODE	1	
	D16678	DZ2J15000L	ZENER DIODE	1	
	D16701	B0ACCJ000048	DIODE	1	
	D16702	B0ACCJ000048	DIODE	1	
	D16710	DZ2J15000L	ZENER DIODE	1	
	D16711	B0ECHR000001	DIODE	1	
	D16712	DZ2J15000L	ZENER DIODE	1	
	D16713	B0ECHR000001	DIODE	1	
	D16719	B0ECKP000055	DIODE	1	
	D16720	B0ECKP000055	DIODE	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	D16721	B0ECHR000001	DIODE	1	
	D16722	DA3DF30ACSRP	ZENER DIODE	1	PAVCA
	D16724	DA3DF30ACSLW	ZENER DIODE	1	PAVCA
	D16728	B0ECKP000055	DIODE	1	
	D16765	B0ECKP000055	DIODE	1	
	D16790	B0JCME000093	DIODE	1	
	D16820	B0ACCJ000048	DIODE	1	
	D16821	DZ2J330M0L	ZENER DIODE	1	
	D16822	B0ADCJ000100	DIODE	1	
	D16824	DZ2J330M0L	ZENER DIODE	1	
	D16825	DZ2J330M0L	ZENER DIODE	1	
	D16859	B0ECHR000001	DIODE	1	
	D16871	DZ2J330M0L	ZENER DIODE	1	
	D16874	DZ2J051M0L	ZENER DIODE	1	
	D16875	B0ACCJ000048	DIODE	1	
	D16893	DZ2J056H0L	ZENER DIODE	1	
	D16901	B0ADCJ000100	DIODE	1	
	D16920	B0ADCJ000100	DIODE	1	
	FL4700	J0HAAB000036	LC FILTER	1	
	FL4701	J0HAAB000036	LC FILTER	1	
	FL4703	J0HAAB000036	LC FILTER	1	
	FL4704	J0HAAB000036	LC FILTER	1	
	IC2106	C1AB00003069	IC	1	
	IC4700	C1ZBZ0004161	IC	1	
	IC4701	C1ZBZ0003775	IC	1	
	IC5601	C0EBY0000580	IC	1	PAVCA
	IC5605	C0DBAGF00030	IC	1	
	IC5606	C0DBAYY00755	IC	1	PAVCA
	IC5607	C0DBGYY00887	IC	1	PAVCA
	IC5608	C0DBAYY00755	IC	1	PAVCA
	IC5609	C0DBGYY00887	IC	1	PAVCA
	IC5610	C0DBAYY00755	IC	1	PAVCA
	IC5613	C0DBGYY00893	IC	1	PAVCA
	IC8001	C1AB00003249	IC	1	PAVCA
	IC8002	C3ABSY000036	IC	1	
	IC8004	TVRR206AAS	IC	1	PAVCA
	IC8502	TVRR693AGS	IC	1	PAVCA
	IC8503	TVRR186AAS	IC	1	PAVCA
	IC9001	TVRR214AAS	IC	1	PAVCA
	IC9003	MNZSFH8KFS2	IC	1	PAVCA
	IC9004	C1ZBZ0003983	IC	1	
	IC9300	C1AB00003259	IC	1	PAVCA
	IC9304	TVRR222AAS	IC	1	PAVCA
	IC9400	C0JBAZ002692	IC	1	
	IC9401	C0JBAZ002692	IC	1	
	IC9800	C0DBAYY00605	IC	1	
	IC9801	C0DBAYY00462	IC	1	
	IC9802	C0DBEHG00006	IC	1	
	IC16131	C0ZBZ0001707	IC	1	
	IC16241	C0JBAU000043	IC	1	
	IC16304	MIP3900MSSCF	IC	1	
	IC16312	C0DBZMC00006	IC	1	
	IC16471	C0DBEYY00114	IC	1	
	IC16490	C0DBZMC00006	IC	1	
	IC16491	NJM2406F	LINEAR IC	1	
	IC16501	C0ZBZ0001708	IC	1	
	IC16521	C0ZBZ0001708	IC	1	
	IC16561	C0JBAU000043	IC	1	
	IC16562	C0JBAU000043	IC	1	
	IC16563	C0JBAB000916	IC	1	
	IC16581	C0BBBA000024	IC	1	
	IC16661	C0BBBA000024	IC	1	
	IC16692	C0DBZYY00352	IC	1	
	IC16724	C0CBADE00049	IC	1	
	IC16771	C0CBADC00072	IC	1	
	IC16773	C0JBAB000715	IC	1	
	IC16784	MIP3910MSSCF	IC	1	
	IC16785	C0DBZYY00352	IC	1	
	IC16786	MIP3910MSSCF	IC	1	
	IC16787	C0DBZYY00352	IC	1	
	IC17101	C0JBAU000043	IC	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	IC17202	C0JBAU000043	IC	1	
	IC17203	C0JBAZ002692	IC	1	
	JK2103	K2HA918A0002	JACK	1	PAVCA
	JK2111	K4AK08B00005	TERMINAL	1	PAVCA
	JK4500	K1FY119D0013	CONNECTOR	1	PAVCA
	JK4501	K1FY119D0013	CONNECTOR	1	PAVCA
	JK8502	K1NA09E00080	9P CONNECTOR	1	
	JS3700	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	JS3701	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	JS4017	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	JS4018	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	JS4022	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	JS4700	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	JS4701	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	K1	K1KA10B00218	10P CONNECTOR	1	
	L2126	J0JYC0000068	CHIP INDUCTOR	1	
	L2127	J0JYC0000068	CHIP INDUCTOR	1	
	L2128	G1C330MA0416	INDUCTION COIL	1	PAVCA
	L2129	G1C330MA0416	INDUCTION COIL	1	PAVCA
	L2130	G1C330MA0416	INDUCTION COIL	1	PAVCA
	L2131	G1C330MA0416	INDUCTION COIL	1	PAVCA
	L2132	J0JHC0000045	CHIP INDUCTOR	1	
	L2133	J0JHC0000045	CHIP INDUCTOR	1	
	L4500	J0JYC0000068	CHIP INDUCTOR	1	
	L4502	J0JYC0000068	CHIP INDUCTOR	1	
	L4504	J0JYC0000068	CHIP INDUCTOR	1	
	L4505	J0JYC0000068	CHIP INDUCTOR	1	
	L4508	J0JYC0000068	CHIP INDUCTOR	1	
	L4511	J0JYC0000068	CHIP INDUCTOR	1	
	L4512	J0JYC0000068	CHIP INDUCTOR	1	
	L4513	J0JYC0000068	CHIP INDUCTOR	1	
	L5609	G1C6R8MA0416	INDUCTION COIL	1	PAVCA
	L5610	G1C100MA0416	INDUCTION COIL	1	
	L5611	G1C220MA0416	INDUCTION COIL	1	
	L5613	J0JHC0000075	CHIP INDUCTOR	1	
	L8000	J0JHC0000045	CHIP INDUCTOR	1	
	L8002	J0JHC0000045	CHIP INDUCTOR	1	
	L8003	J0JHC0000045	CHIP INDUCTOR	1	
	L8004	J0JHC0000045	CHIP INDUCTOR	1	
	L8005	J0JHC0000045	CHIP INDUCTOR	1	
	L8006	J0JHC0000045	CHIP INDUCTOR	1	
	L8007	ELJRF10NJFB	INDUCTION COIL	1	
	L8008	J0JHC0000045	CHIP INDUCTOR	1	
	L8009	J0JHC0000045	CHIP INDUCTOR	1	
	L8010	J0JHC0000045	CHIP INDUCTOR	1	
	L8011	J0JHC0000045	CHIP INDUCTOR	1	
	L8012	J0JHC0000045	CHIP INDUCTOR	1	
	L8013	J0JHC0000045	CHIP INDUCTOR	1	
	L8014	J0JHC0000045	CHIP INDUCTOR	1	
	L8016	J0JHC0000045	CHIP INDUCTOR	1	
	L8017	J0JHC0000045	CHIP INDUCTOR	1	
	L8302	J0JGC0000070	FILTER	1	
	L8306	J0JHC0000045	CHIP INDUCTOR	1	
	L8307	G1CR22JA0020	INDUCTION COIL	1	
	L8308	G1CR22JA0020	INDUCTION COIL	1	
	L8309	G1C82NJA0075	INDUCTION COIL	1	PAVCA
	L8310	G1CR10JA0020	INDUCTION COIL	1	
	L8311	G1CR10JA0020	INDUCTION COIL	1	
	L8312	G1C56NJ00018	INDUCTION COIL	1	PAVCA
	L8313	G1C56NJ00018	INDUCTION COIL	1	PAVCA
	L8314	G1CR18JA0020	INDUCTION COIL	1	
	L8500	J0JHC0000045	CHIP INDUCTOR	1	
	L8501	J0JHC0000045	CHIP INDUCTOR	1	
	L9300	J0JHC0000117	CHIP INDUCTOR	1	
	L9301	J0JHC0000117	CHIP INDUCTOR	1	
	L9302	J0JHC0000117	CHIP INDUCTOR	1	
	L9800	G1C6R8Z00010	INDUCTION COIL	1	
	L9801	G1C100MA0416	INDUCTION COIL	1	
	L16011	G0ZZ00002183	PEAKING COIL	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	L16012	G0ZZ00002183	PEAKING COIL	1	
	L16013	G0ZZ00002183	PEAKING COIL	1	
	L16014	G0ZZ00002183	PEAKING COIL	1	
	L16103	G0ZZ00002183	PEAKING COIL	1	
	L16303	G0C471MA0049	PEAKING COIL	1	PAVCA
	L16401	G0C1R1K00002	PEAKING COIL	1	PAVCA
	L16411	G0C1R1K00002	PEAKING COIL	1	PAVCA
	L16421	G0ZZ00002183	PEAKING COIL	1	
	L16422	G0ZZ00002183	PEAKING COIL	1	
	L16423	G0ZZ00002183	PEAKING COIL	1	
	L16424	G0ZZ00002183	PEAKING COIL	1	
	L16472	G0ZZ00002183	PEAKING COIL	1	
	L16698	G0C681MA0065	PEAKING COIL	1	
	L16851	G0ZZ00002183	PEAKING COIL	1	
	PA4701	K5H5022A0031	FUSE	1	
	PC16191	B3PBA0000496	IC	1	
	PC16192	B3PBA0000223	IC	1	
	PC16461	B3PBE0000054	IC	1	
	PC16480	B3PBA0000223	IC	1	
	PC16603	B3PBA0000223	IC	1	
	PC16684	B3PBA0000496	IC	1	
	PC16685	B3PBA0000496	IC	1	
	PC16722	B3PBA0000223	IC	1	
	PC16723	B3PBA0000223	IC	1	
	PC16896	B3PBA0000223	IC	1	
	PC16897	B3PBA0000223	IC	1	
	Q2510	DSC200100L	TRANSISTOR	1	
	Q2511	DSC200100L	TRANSISTOR	1	
	Q4501	DSC2001S0L	TRANSISTOR	1	
	Q4502	DSC2001S0L	TRANSISTOR	1	
	Q4512	B1HFCFA00026	TRANSISTOR	1	
	Q4513	B1ADCE000022	TRANSISTOR	1	
	Q4702	DSC2001S0L	TRANSISTOR	1	
	Q4703	DSC2001S0L	TRANSISTOR	1	
	Q4704	DSC2001S0L	TRANSISTOR	1	
	Q5605	B1ADCE000022	TRANSISTOR	1	
	Q5612	B1ABCF000231	TRANSISTOR	1	
	Q5613	B1ABCF000231	TRANSISTOR	1	
	Q5614	DSC2001S0L	TRANSISTOR	1	
	Q5615	B1ABGC000011	TRANSISTOR	1	
	Q8002	B1ABCF000231	TRANSISTOR	1	
	Q8003	B1ABCF000231	TRANSISTOR	1	
	Q8005	B1CBGD000001	FET	1	
	Q8301	DSA2001S0L	TRANSISTOR	1	
	Q8302	DSA2001S0L	TRANSISTOR	1	
	Q8303	B1ABCF000231	TRANSISTOR	1	
	Q8304	B1ABCF000231	TRANSISTOR	1	
	Q8305	B1ADCE000022	TRANSISTOR	1	
	Q8306	B1ADCE000022	TRANSISTOR	1	
	Q8308	B1ADCE000022	TRANSISTOR	1	
	Q9000	B1ABCF000231	TRANSISTOR	1	
	Q9001	B1ABCF000231	TRANSISTOR	1	
	Q9002	B1ABCF000231	TRANSISTOR	1	
	Q9003	B1ABCF000231	TRANSISTOR	1	
	Q9004	B1ABCF000231	TRANSISTOR	1	
	Q9800	B1ABCF000231	TRANSISTOR	1	
	Q9802	B1ABCF000231	TRANSISTOR	1	
	Q9900	B1ABCF000231	TRANSISTOR	1	
	Q9901	B1ABCF000231	TRANSISTOR	1	
	Q16001	B1JBEN000002	TRANSISTOR	1	PAVCA
	Q16002	B1JBEN000002	TRANSISTOR	1	PAVCA
	Q16021	B1JBEN000002	TRANSISTOR	1	PAVCA
	Q16022	B1JBEN000002	TRANSISTOR	1	PAVCA
	Q16101	B1CFRM000008	FET	1	
	Q16102	B1CFRM000008	FET	1	
	Q16141	B1HFPFA00001	TRANSISTOR	1	
	Q16161	B1HFPFA00001	TRANSISTOR	1	
	Q16191	B1HFPFA00001	TRANSISTOR	1	
	Q16280	B1ABCF000231	TRANSISTOR	1	
	Q16401	B1JAEQ000010	TRANSISTOR	1	PAVCA

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	Q16402	B1JAEQ000010	TRANSISTOR	1	PAVCA
	Q16421	B1JAEP000014	TRANSISTOR	1	PAVCA
	Q16422	B1JAEP000014	TRANSISTOR	1	PAVCA
	Q16441	DG3D5010CSLW	ZENER DIODE	1	PAVCA
	Q16451	B1JAEP000012	TRANSISTOR	1	
	Q16471	B1ABCF000231	TRANSISTOR	1	
	Q16490	B1CBGD000001	FET	1	
	Q16501	B1HFPFA00001	TRANSISTOR	1	
	Q16521	B1HFPFA00001	TRANSISTOR	1	
	Q16531	B1HFPFA00001	TRANSISTOR	1	
	Q16551	B1HFPFA00001	TRANSISTOR	1	
	Q16601	B1CERR000025	FET	1	
	Q16602	DSC2001Q0L	TRANSISTOR	1	
	Q16603	DSA2001S0L	TRANSISTOR	1	
	Q16606	DSC2001Q0L	TRANSISTOR	1	
	Q16607	B1CBGD000001	FET	1	
	Q16621	B1JADN000004	TRANSISTOR	1	
	Q16661	B1JAER000010	TRANSISTOR	1	
	Q16662	DSC2001Q0L	TRANSISTOR	1	
	Q16663	DSA2001S0L	TRANSISTOR	1	
	Q16670	B1ADCN000007	TRANSISTOR	1	
	Q16671	B1ABCF000231	TRANSISTOR	1	
	Q16672	B1CBGD000001	FET	1	
	Q16675	B1ADCN000007	TRANSISTOR	1	
	Q16676	B1ABCF000231	TRANSISTOR	1	
	Q16701	B1ADCN000007	TRANSISTOR	1	
	Q16702	B1ABCF000231	TRANSISTOR	1	
	Q16762	B1HFPFA00001	TRANSISTOR	1	
	Q16801	DSA2001S0L	TRANSISTOR	1	
	Q16810	B1ABCF000231	TRANSISTOR	1	
	Q16815	B1ABCN000007	TRANSISTOR	1	
	Q16816	DSC2001Q0L	TRANSISTOR	1	
	Q16817	DSC2001Q0L	TRANSISTOR	1	
	Q16818	B1CBGD000001	FET	1	
	Q16876	B1ABCF000231	TRANSISTOR	1	
	Q16885	B1CFNG000001	FET	1	
	Q16920	B1ABCN000007	TRANSISTOR	1	
	Q16921	B1ABCN000007	TRANSISTOR	1	
	Q16930	DSC2001Q0L	TRANSISTOR	1	
	Q16931	B1ABCN000007	TRANSISTOR	1	
	Q16932	DSC2001Q0L	TRANSISTOR	1	
	R2200	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2209	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R2210	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R2214	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2258	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2260	D0GA303JA015	M 30K OHM J 0.063W	1	PAVCA
	R2261	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2263	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2265	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2279	D0GA223JA015	M 22K OHM J 0.063W	1	
	R2280	D0GA303JA015	M 30K OHM J 0.063W	1	PAVCA
	R2281	D0GA303JA015	M 30K OHM J 0.063W	1	PAVCA
	R2282	D0GA223JA015	M 22K OHM J 0.063W	1	
	R2283	D0GA223JA015	M 22K OHM J 0.063W	1	
	R2284	D0GA223JA015	M 22K OHM J 0.063W	1	
	R2285	D0GA223JA015	M 22K OHM J 0.063W	1	
	R2286	D0GA303JA015	M 30K OHM J 0.063W	1	PAVCA
	R2287	D0GA223JA015	M 22K OHM J 0.063W	1	
	R2288	D0GA223JA015	M 22K OHM J 0.063W	1	
	R2289	D0GA330JA015	M 33 OHM, J,0.063W	1	
	R2290	D0GA223JA015	M 22K OHM J 0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R2299	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2300	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R2303	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R2309	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R2311	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R2314	D0GA303JA015	M 30K OHM J 0.063W	1	PAVCA
	R2315	D0GA303JA015	M 30K OHM J 0.063W	1	PAVCA
	R2316	D0GA303JA015	M 30K OHM J 0.063W	1	PAVCA
	R2324	D0GA471JA015	M 470OHM, J,0.063W	1	
	R2325	D0GA471JA015	M 470OHM, J,0.063W	1	
	R2326	D1BB2212A055	M22.1KOHM, 1/10W	1	
	R2327	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R2329	D1BA1822A014	M18.2KOHM, 1/10W	1	
	R2330	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2331	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
	R2332	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
	R2333	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
	R2334	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
	R2336	D0GA330JA015	M 33 OHM, J,0.063W	1	
	R2337	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R2343	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R2348	D0GA303JA015	M 30K OHM J 0.063W	1	PAVCA
	R2378	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R2388	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R2391	D1BB75R0A055	M 75 OHM, 1/10W	1	
	R2393	D0GA392JA015	M 3.9KOHM, J,0.063W	1	
	R2516	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
	R2517	ERJ6GEYJ470V	M 47 OHM,J,1/10W	1	
	R2520	D0GB224JA041	M 2.2KOHM,J,1/10W	1	
	R2524	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
	R2525	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R2542	D0GB104JA041	M 100KOHM J 1/10W	1	
	R2557	D0GB562JA041	M 5.6KOHM,J,1/10W	1	
	R2558	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
	R3771	ERJ2RKF2102X	M 2.1KOHM, 0.063W	1	PAVCA
	R3772	ERJ2RKF1741X	M 1.74KOHM, 0.063W	1	PAVCA
	R3773	ERJ2RKF1621X	M 1.62KOHM, 0.063W	1	PAVCA
	R3774	ERJ2RKF2321X	M 2.32KOHM, 0.063W	1	PAVCA
	R3775	ERJ2RKF3161X	M 3.16KOHM, 0.063W	1	PAVCA
	R4502	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R4504	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4505	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R4507	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4512	D0GA473JA015	M 47 OHM, J,0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R4516	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R4519	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R4520	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R4525	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R4526	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R4548	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R4549	D0GA151JA015	M 150 OHM, J,0.063W	1	
	R4550	D0GA151JA015	M 150 OHM, J,0.063W	1	
	R4551	D0GA151JA015	M 150 OHM, J,0.063W	1	
	R4552	D0GA560JA015	M 56 OHM, J,0.063W	1	
	R4553	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4554	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R4565	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4566	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4568	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R4569	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R4570	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R4711	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R4715	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R4716	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R4717	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R4729	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R4730	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R4731	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R4742	ERJ6GEYJ150V	M 15 OHM,J,1/10W	1	
	R4748	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4753	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4755	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R4756	D0GA154JA015	M 150KOHM J 0.063W	1	
	R4757	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R4762	EXB2HV220JV	RESISTOR ARRAY	1	
	R4778	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4780	EXB2HV220JV	RESISTOR ARRAY	1	
	R4788	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R4802	EXB2HV220JV	RESISTOR ARRAY	1	
	R4805	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R4809	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4812	ERJ2RKF7151X	M 7.15KOHM, 0.063W	1	PAVCA
	R4815	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R4819	EXB28V101JX	RESISTOR ARRAY	1	
	R4821	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R4823	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R4827	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R4830	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R4831	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R5623	ERJ2GEJ103	M 10KOHM, J,0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R5624	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R5625	D0GA683JA015	M 68KOHM, J,0.063W	1	
	R5626	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R5627	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R5629	D0GA105JA015	M 1M OHM, J,0.063W	1	
	R5630	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R5631	D0GA471JA015	M 470OHM, J,0.063W	1	
	R5632	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R5663	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R5667	D1BB4301A087	M4.3 KOHM, 1/10W	1	PAVCA
	R5668	D1BB1002A087	M 10KOHM, 1/10W	1	
	R5669	D1BB1202A087	M 12KOHM, 1/10W	1	PAVCA
	R5670	D0GA223JA015	M 22K OHM J 0.063W	1	
	R5671	D0GA683JA015	M 68KOHM, J,0.063W	1	
	R5672	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R5673	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R5674	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R5675	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R5676	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R5678	D1BB9101A087	M9.1 KOHM, 1/10W	1	PAVCA
	R5679	D1BB1002A087	M 10KOHM, 1/10W	1	
	R5680	D1BA2201A014	M2.2 KOHM, 1/10W	1	
	R5681	D1BB4702A087	M 47KOHM, 1/10W	1	PAVCA
	R5682	D1BB1002A087	M 10KOHM, 1/10W	1	
	R5683	D1BA6801A014	M6.8 KOHM, 1/10W	1	PAVCA
	R5696	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R5699	D0GB332JA041	M 3.3KOHM,J,1/ 10W	1	
	R5707	D0GB150JA041	M 15 OHM J 1/10W	1	PAVCA
	R5708	D0GB150JA041	M 15 OHM J 1/10W	1	PAVCA
	R5709	D0GB150JA041	M 15 OHM J 1/10W	1	PAVCA
	R5710	D0GB2R2JA057	M 2.2OHM J 1/10W	1	
	R5711	D0GB2R2JA057	M 2.2OHM J 1/10W	1	
	R5712	D0GB2R2JA057	M 2.2OHM J 1/10W	1	
	R5713	D1BB6201A087	M 6.2KOHM, 1/10W	1	PAVCA
	R5714	D1BB1241A087	M1.24KOHM, 1/10W	1	
	R5715	D1BB4301A087	M4.3 KOHM, 1/10W	1	PAVCA
	R8000	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8001	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8003	D1BA3010A014	M103 OHM, 1/10W	1	PAVCA
	R8004	D1BA4020A014	M 402 OHM, 1/10W	1	PAVCA
	R8005	D1BA1020A014	M102 OHM, 1/10W	1	PAVCA
	R8006	D1BA4020A014	M 402 OHM, 1/10W	1	PAVCA
	R8007	D1BA1020A014	M102 OHM, 1/10W	1	PAVCA
	R8008	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8009	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8010	EXB28V101JX	RESISTOR ARRAY	1	
	R8011	EXB28V101JX	RESISTOR ARRAY	1	
	R8012	EXB28V101JX	RESISTOR ARRAY	1	
	R8013	EXB28V101JX	RESISTOR ARRAY	1	
	R8014	EXB28V101JX	RESISTOR ARRAY	1	
	R8015	EXB28V101JX	RESISTOR ARRAY	1	
	R8016	EXB28V101JX	RESISTOR ARRAY	1	
	R8017	EXB28V101JX	RESISTOR ARRAY	1	
	R8018	EXB28V101JX	RESISTOR ARRAY	1	
	R8019	EXB28V101JX	RESISTOR ARRAY	1	
	R8023	D0GA105JA015	M 1M OHM, J,0.063W	1	
	R8024	D0GA152JA015	M 1.5KOHM, J,0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R8025	D1BB2001A055	M 2KOHM, 1/10W	1	
	R8026	D1BB2001A055	M 2KOHM, 1/10W	1	
	R8027	D1BB2001A055	M 2KOHM, 1/10W	1	
	R8037	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R8039	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8040	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8041	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8043	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R8044	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8045	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R8048	D0GA273JA015	M 27K OHM J ,0.063W	1	
	R8049	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8050	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8051	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8053	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8054	D0GA122JA015	M 1.2KOHM, J,0.063W	1	
	R8055	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R8056	D0GA152JA015	M 1.5KOHM, J,0.063W	1	
	R8057	D0GA152JA015	M 1.5KOHM, J,0.063W	1	
	R8058	D0GA122JA015	M 1.2KOHM, J,0.063W	1	
	R8062	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8068	D0GA151JA015	M 150 OHM, J,0.063W	1	
	R8079	ERJ2RKF73R2X	M 73.2 OHM, , 0.063W	1	PAVCA
	R8083	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8089	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R8091	D1BA80R6A014	M 80.6 OHM, 1/ 10W	1	PAVCA
	R8093	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R8094	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8098	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8100	D0GA223JA015	M 22K OHM J 0.063W	1	
	R8101	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8102	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8103	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8104	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8106	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8302	D0GA561JA015	M 560OHM, J,0.063W	1	PAVCA
	R8303	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8305	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8306	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R8307	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8309	D0GA750JA015	M 75 OHM, J,0.063W	1	PAVCA
	R8310	D0GA474JA015	M470KOHM, J,0.063W	1	PAVCA
	R8311	ERJ2GEJ103	M 10KOHM, J,0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R8312	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8313	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R8314	D0GA333JA015	M 33KOHM,J,0.063W	1	
	R8315	D0GA223JA015	M 22K OHM J 0.063W	1	
	R8316	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R8317	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R8318	D0GA223JA015	M 22K OHM J 0.063W	1	
	R8319	D0GA393JA015	M 39KOHM,J,0.063W	1	
	R8320	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8321	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8330	D0GA222JA015	M 2.2KOHM, J,0.063W	1	
	R8331	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8332	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R8333	D0GA122JA015	M 1.2KOHM, J,0.063W	1	
	R8334	D0GA471JA015	M 470OHM, J,0.063W	1	
	R8336	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R8337	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8339	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
	R8341	ERJ6GEYG821	M 820 OHM,J,1/ 10W	1	
	R8342	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R8501	D0GA680JA015	M 47 OHM, J,0.063W	1	
	R8502	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8512	EXB2HV680J	RESISTOR ARRAY	1	
	R8513	EXB2HV680J	RESISTOR ARRAY	1	
	R8514	EXB2HV680J	RESISTOR ARRAY	1	
	R8515	EXB2HV680J	RESISTOR ARRAY	1	
	R8516	EXB2HV680J	RESISTOR ARRAY	1	
	R8521	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8522	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8523	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8528	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8530	EXB2HV330JV	RESISTOR ARRAY	1	
	R8531	D0GA680JA015	M 47 OHM, J,0.063W	1	
	R8532	D0GA680JA015	M 47 OHM, J,0.063W	1	
	R8533	D0GA680JA015	M 47 OHM, J,0.063W	1	
	R8538	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8539	EXB2HV680J	RESISTOR ARRAY	1	
	R8543	EXB2HV103JV	RESISTOR ARRAY	1	
	R8546	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R8557	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R8560	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R9022	D0GA272JA015	M 2.7KOHM, J,0.063W	1	
	R9023	D0GA272JA015	M 2.7KOHM, J,0.063W	1	
	R9026	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9027	D0GAR00Z0001	C 0 OHM, 0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R9028	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R9029	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R9030	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9070	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9072	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9100	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R9101	D0GA333JA015	M 33KOHM,J,0.063W	1	
	R9102	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R9103	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R9104	EXB38V101JV	RESISTOR ARRAY	1	
	R9105	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
	R9107	D0GA332JA015	M 3.3KOHM, J,0.063W	1	
	R9110	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R9111	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9112	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R9113	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9114	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R9116	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9117	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9118	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R9119	EXB28V470JX	RESISTOR ARRAY	1	
	R9121	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R9124	D0GA470JA015	M 47 OHM, J,0.063W	1	
	R9125	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R9129	D0GA683JA015	M 68KOHM, J,0.063W	1	
	R9130	D0GA470JA015	M 47 OHM, J,0.063W	1	
	R9149	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R9152	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9153	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9154	D0GA272JA015	M 2.7KOHM, J,0.063W	1	
	R9155	D0GA272JA015	M 2.7KOHM, J,0.063W	1	
	R9164	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9187	D0GA272JA015	M 2.7KOHM, J,0.063W	1	
	R9188	D0GA272JA015	M 2.7KOHM, J,0.063W	1	
	R9194	D0GA331JA015	M 330 OHM, J,0.063W	1	
	R9198	EXB28V101JX	RESISTOR ARRAY	1	
	R9203	D0GA223JA015	M 22K OHM J 0.063W	1	
	R9205	D0GA333JA015	M 33KOHM,J,0.063W	1	
	R9206	D0GA563JA015	M 56KOHM, J,0.063W	1	
	R9207	D0GA243JA015	M 24K OHM J 0.063W	1	PAVCA
	R9208	EXB2HV470JV	RESISTOR ARRAY	1	
	R9209	EXB2HV470JV	RESISTOR ARRAY	1	
	R9212	D0GA470JA015	M 47 OHM, J,0.063W	1	
	R9213	D0GA470JA015	M 47 OHM, J,0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R9215	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R9216	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9223	D0GA272JA015	M 2.7KOHM, J,0.063W	1	
	R9225	D0GA272JA015	M 2.7KOHM, J,0.063W	1	
	R9316	D0GA470JA015	M 47 OHM, J,0.063W	1	
	R9319	D0GA470JA015	M 47 OHM, J,0.063W	1	
	R9320	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R9321	D0GA105JA015	M 1M OHM, J,0.063W	1	
	R9322	D0GA470JA015	M 47 OHM, J,0.063W	1	
	R9323	ERJ2GEJ102X	M 1K OHM J 1/4W	1	
	R9324	D0GB162JA041	N 1.6KOHM J 1/ 10W	1	
	R9325	D0GB162JA041	N 1.6KOHM J 1/ 10W	1	
	R9326	D0GB162JA041	N 1.6KOHM J 1/ 10W	1	
	R9327	D0GB162JA041	N 1.6KOHM J 1/ 10W	1	
	R9341	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R9400	EXB2HV103JV	RESISTOR ARRAY	1	
	R9401	EXB2HV103JV	RESISTOR ARRAY	1	
	R9608	EXB38V470J	RESISTOR ARRAY	1	
	R9609	EXB38V470J	RESISTOR ARRAY	1	
	R9610	EXB38V470J	RESISTOR ARRAY	1	
	R9612	D0GA470JA015	M 47 OHM, J,0.063W	1	
	R9613	D0GA470JA015	M 47 OHM, J,0.063W	1	
	R9614	D0GA470JA015	M 47 OHM, J,0.063W	1	
	R9868	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R9871	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9872	D1BB3301A055	M 3.3KOHM, 1/16W	1	
	R9873	D1BB1002A055	M 10KOHM, 1/10W	1	
	R9874	D1BB2702A055	M 27KOHM, 1/10W	1	
	R9875	D1BB2002A055	M 20KOHM, 1/10W	1	
	R9877	D1BB4702A055	M 47KOHM, 1/10W	1	
	R9878	D1BB1002A055	M 10KOHM, 1/10W	1	
	R9879	D1BB1502A055	M 15KOHM, 1/10W	1	
	R9880	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9881	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9882	D0GA473JA015	M 47 OHM, J,0.063W	1	
	R9884	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9890	D1BB11030002	M 110KOHM, 1/10W	1	
	R9891	D1BB3242A055	M32.4KOHM, 1/10W	1	
	R9899	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R9903	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R9904	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
	R9905	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
	R9907	D0GA101JA015	M 100 OHM, J,0.063W	1	
	R9956	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R9958	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R9959	D0GB390JA041	M 39 OHM,J,1/10W	1	
	R9961	D0GB2R2JA057	M 2.2OHM J 1/10W	1	
	R9963	D1BB5601A055	M 5.6KOHM, 1/10W	1	
	R9984	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R9985	D0GA472JA015	M 4.7KOHM, J,0.063W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R9986	D0GA472JA015	M 4.7KOHM, J,0.063W	1	
	R9998	D1BA1601A014	M1.60KOHM, 1/10W	1	PAVCA
	R9999	D0GAR00Z0001	C 0 OHM, 0.063W	1	
	R16001	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
	R16002	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
	R16021	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
	R16022	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
	R16101	ERJT06J221V	M 220 OHM,F,0.25W	1	
	R16102	ERJT06J221V	M 220 OHM,F,0.25W	1	
	R16103	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16104	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16105	ERJ8GEYJ474	M 470KOHM, J,1/ 8W	1	
	R16109	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16116	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16131	ERJ6GEYJ101V	M 100 OHM,J,1/ 10W	1	
	R16132	ERJ6GEYJ101V	M 100 OHM,J,1/ 10W	1	
	R16134	ERJT06J750V	M 75 OHM,F,0.25W	1	
	R16137	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
	R16141	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16143	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16161	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16163	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16191	ERJ6GEYJ151V	M 150 OHM,J,1/ 10W	1	
	R16192	D0GB103JA057	M 10K OHM J 1/ 10W	1	
	R16193	ERJ6GEYJ750	M 75 OHM,J,1/10W	1	
	R16195	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
	R16241	EXB38V470J	RESISTOR ARRAY	1	
	R16242	EXB38V472JV	RESISTOR ARRAY	1	
	R16280	D0GB222JA041	M 2.2KOHM,J,1/ 10W	1	
	R16281	D0GB103JA057	M 10K OHM J 1/ 10W	1	
	R16282	ERJ6GEYJ221V	M 220 OHM,J,1/ 10W	1	
	R16283	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16284	D0GB224JA041	M 2.2KOHM,J,1/ 10W	1	
	R16285	EXB38V623J	RESISTOR ARRAY	1	
	R16289	ERJT08J334V	M 330KOHM,F,0.33W	1	
	R16290	ERJT08J334V	M 330KOHM,F,0.33W	1	
	R16307	ERJ6RBD623	M 62KOHM,J,1/10W	1	
	R16309	ERG1FJS333D	M 33KOHM, J, 1W	1	
	R16318	ERJ6RBD563	M 56KOHM, J,1/ 10W	1	
	R16319	ERJ6RBD242	M 2.4KOHM,J,1/ 10W	1	
	R16320	ERJ14YJ683	M 68KOHM, 1/2W	1	
	R16330	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16332	D0GB474JA041	M 470KOHM,J,1/ 10W	1	
	R16334	ERJ3GEYJ472	M 4.7KOHM,J,1/ 16W	1	
	R16335	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16401	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
	R16402	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
	R16410	D0GB391JA041	M 390 OHM,J,1/ 10W	1	
	R16411	ERJ6ENF2700	M 270 OHM, 1/10W	1	
	R16416	D0GB103JA057	M 10K OHM J 1/ 10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16417	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
	R16418	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
	R16421	ERJT08J7R5V	M 7.5OHM,J,0.33W	1	
	R16422	ERJT08J7R5V	M 7.5OHM,J,0.33W	1	
	R16441	ERJT08J5R6V	M 5.6 OHM,F,0.33W	1	
	R16451	ERJT08J5R6V	M 5.6 OHM,F,0.33W	1	
	R16471	D0GB392JA041	M 3.9KOHM,J,1/10W	1	
	R16472	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16473	ERJ6GEYF561	M 560 OHM,F,1/10W	1	
	R16474	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16475	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
	R16476	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
	R16478	D0GB562JA041	M 5.6KOHM,J,1/10W	1	
	R16479	ERJ6GEYJ103V	M 10K OHM J 1/10W	1	
	R16490	ERJ6RBD104	M 100KOHM, 1/10W	1	
	R16491	ERJ6RED114	M 110KOHM, 1/10W	1	
	R16492	ERJ6RED124	M 120KOHM, 1/10W	1	
	R16493	ERJ6RBD6981V	M69.8 OHM,F,1/10W	1	PAVCA
	R16494	D1BB2001A055	M 2KOHM, 1/10W	1	
	R16495	ERJ6ENF3900	M 390 OHM, 1/10W	1	
	R16496	ERJ6GEYJ470V	M 47 OHM,J,1/10W	1	
	R16497	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16498	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16503	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16504	ERJT06J750V	M 75 OHM,F,0.25W	1	
	R16506	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16510	ERJT14J1R0U	C1.0 OHM, J,1/4W	1	
	R16512	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16517	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16521	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
	R16522	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
	R16523	ERJT06J750V	M 75 OHM,F,0.25W	1	
	R16524	ERJT06J750V	M 75 OHM,F,0.25W	1	
	R16531	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16533	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16534	ERJT08J5R6V	M 5.6 OHM,F,0.33W	1	
	R16551	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16553	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16561	EXB38V470J	RESISTOR ARRAY	1	
	R16562	EXB38V470J	RESISTOR ARRAY	1	
	R16563	EXB38V470J	RESISTOR ARRAY	1	
	R16564	EXB38V470J	RESISTOR ARRAY	1	
	R16565	EXB38V472JV	RESISTOR ARRAY	1	
	R16566	EXB38V472JV	RESISTOR ARRAY	1	
	R16567	EXB38V472JV	RESISTOR ARRAY	1	
	R16568	EXB38V472JV	RESISTOR ARRAY	1	
	R16580	D0GB562JA041	M 5.6KOHM,J,1/10W	1	
	R16581	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
	R16582	ERJT08J393	M 39 KOHM,J,0.33W	1	
	R16583	ERJT08J393	M 39 KOHM,J,0.33W	1	
	R16584	D1BD6811A044	M6.81KOHM, 1/10W	1	
	R16585	D1BB1001A055	M 1KOHM, 1/16W	1	
	R16586	D1BB1691A055	M1.69KOHM, 1/10W	1	PAVCA
	R16587	D0GB222JA041	M 2.2KOHM,J,1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16588	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16590	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
	R16591	EXB38V472JV	RESISTOR ARRAY	1	
	R16593	D1BB1331A055	M1.33KOHM, 1/10W	1	PAVCA
	R16601	ERJT08J1R0V	M 1.8OHM,J,0.33W	1	
	R16604	ERJ6GEYJ331V	M 330 OHM J 1/10W	1	
	R16605	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
	R16607	D1BB6491A055	M6.49KOHM, 1/10W	1	PAVCA
	R16609	ERJT08J202V	M 2KOHM,J, 0.33W	1	
	R16610	D0GB104JA041	M 100KOHM J 1/10W	1	
	R16612	ERJT06J470V	M 47 OHM,F,0.25W	1	
	R16615	D1BB1131A055	M1.13KOHM, 1/10W	1	PAVCA
	R16617	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	1	
	R16619	ERJT08J1R0V	M 1.8OHM,J,0.33W	1	
	R16621	ERJ6GEYJ221V	M 220 OHM,J,1/10W	1	
	R16631	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16633	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
	R16634	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
	R16658	ERJ3RBD9761V	M9.76K OHM, 1/13W	1	PAVCA
	R16661	D0GB122JA041	N 1.2KOHM J 1/10W	1	
	R16663	ERJ3RBD6981V	M6.98K OHM, 1/13W	1	PAVCA
	R16664	ERJT08J102V	M 1KOHM,J, 0.33W	1	
	R16665	ERJT06J330V	M 33 OHM,F,0.25W	1	
	R16666	D1BB2202A087	M 22KOHM, 1/10W	1	
	R16674	ERJT08J102V	M 1KOHM,J, 0.33W	1	
	R16675	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
	R16679	D1BB1002A087	M 10KOHM, 1/10W	1	
	R16680	D1BB1002A087	M 10KOHM, 1/10W	1	
	R16681	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16684	ERJ6GEYJ221V	M 220 OHM,J,1/10W	1	
	R16685	ERJ6GEYJ221V	M 220 OHM,J,1/10W	1	
	R16686	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16690	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
	R16691	ERJ8GEYJ563	M 56KOHM, J,1/8W	1	
	R16692	ERJ6RBD152	M 1.5KOHM,J,1/10W	1	
	R16694	ERJ8GEYJ563	M 56KOHM, J,1/8W	1	
	R16695	ERJ6RBD152	M 1.5KOHM,J,1/10W	1	
	R16696	ERF5TK2R2	W 2.2 OHM, K, 5W	1	
	R16699	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16707	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
	R16711	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
	R16712	ERJ6GEYJ102V	M 1K OHM J 1/10W	1	
	R16717	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16721	EXB38V220JV	RESISTOR ARRAY	1	
	R16742	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16745	D0GB474JA041	M 470KOHM,J,1/10W	1	
	R16746	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
	R16747	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	1	
	R16750	ERJT06J273V	M 27KOHM,J,0.25W	1	PAVCA
	R16751	ERJT06J154V	M 150KOHM,F,0.25W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16752	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
	R16753	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
	R16755	ERJT06J273V	M 27KOHM,J,0.25W	1	PAVCA
	R16761	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16763	D0GB473JA057	M 47KOHM,J,1/10W	1	
	R16765	ERJT06J100V	M 10 OHM,F,0.25W	1	
	R16769	ERJT06J750V	M 75 OHM,F,0.25W	1	
	R16772	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
	R16773	ERJ6GEYJ102V	M 1K OHM J 1/10W	1	
	R16774	ERG1SJ273	M 27KOHM, J, 1W	1	
	R16776	ERJ6GEYJ470V	M 47 OHM,J,1/10W	1	
	R16783	ERJT06J154V	M 150KOHM,F,0.25W	1	
	R16785	ERJ6ENF1003	M 100KOHM, 1/10W	1	
	R16786	ERJ6ENF1003	M 100KOHM, 1/10W	1	
	R16787	ERJ6ENF3302	M 33KOHM, 1/10W	1	
	R16789	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16801	ERJ6RBD223	M 22KOHM, 1/16W	1	
	R16802	ERJ6RBD3322V	M33.2KOHM,F,1/10W	1	PAVCA
	R16804	ERJ8GEYJ112	M 1.1KOHM, J,1/8W	1	
	R16822	ERJ6ENF8202	M 82KOHM, 1/10W	1	
	R16823	ERJ6ENF8202	M 82KOHM, 1/10W	1	
	R16824	ERJ6ENF3302	M 33KOHM, 1/10W	1	
	R16825	ERJT06J154V	M 150KOHM,F,0.25W	1	
	R16826	ERJ6GEYJ103V	M 10K OHM J 1/10W	1	
	R16827	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16829	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16831	ERJ6RBD6812	M68.1KOHM,F,1/10W	1	
	R16832	ERJ6RBD7152	M71.5KOHM,F,1/10W	1	
	R16837	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R16838	ERG1FJS823D	M 82KOHM, J, 1W	1	
	R16841	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
	R16843	ERJ6GEYJ102V	M 1K OHM J 1/10W	1	
	R16844	ERA6YEB242	M 24KOHM, 1/10W	1	
	R16845	ERJ6RBD6042V	M60.4KOHM,F,1/10W	1	PAVCA
	R16846	ERJ6RBD6042V	M60.4KOHM,F,1/10W	1	PAVCA
	R16849	ERJ6RBD6042V	M60.4KOHM,F,1/10W	1	PAVCA
	R16851	D0GB474JA041	M 470KOHM,J,1/10W	1	
	R16852	D0GB474JA041	M 470KOHM,J,1/10W	1	
	R16860	ERG2FNJS8R2E	M 8.2 OHM, J, 2W	1	
	R16870	ERJ14YJ683	M 68KOHM, 1/2W	1	
	R16873	ERA6YEB242	M 24KOHM, 1/10W	1	
	R16891	D1BF6982A058	M 6.98KOHM, 1/10W	1	
	R16892	D1BF8252A058	M 8.25KOHM, 1/10W	1	
	R16893	D1BF8252A058	M 8.25KOHM, 1/10W	1	
	R16897	ERJ6ENF2611	M2.61KOHM, 1/10W	1	
	R16899	ERJ6ENF3011	M3.01KOHM, 1/10W	1	
	R16904	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
	R16920	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16921	ERJ6ENF1541	M1.54KOHM, 1/10W	1	
	R16922	ERJ6ENF4021	M4.02KOHM, 1/10W	1	
	R16923	D0GB103JA057	M 10K OHM J 1/10W	1	
	R16926	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16927	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
	R16928	ERJ6GEYJ472V	M 4.7K OHM J 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R16929	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
	R16930	D1BF2R70A021	M 2.7 OHM, 1/10W	1	
	R16931	D1BF2R70A021	M 2.7 OHM, 1/10W	1	
	R16932	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
	R16933	D1BB1002A055	M 10KOHM, 1/10W	1	
	R16934	D1BB6801A055	M 6.8KOHM, 1/10W	1	
	R16935	ERJ6GEYJ512	M 5.1KOHM,J,1/10W	1	
	R16936	D0GB222JA041	M 2.2KOHM,J,1/10W	1	
	R16937	D0GB184JA041	M 180KOHM J 1/10W	1	
	R16938	D0GB184JA041	M 180KOHM J 1/10W	1	
	R17101	ERJT08J151V	M150 OHM,F,0.33W	1	
	R17102	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17103	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17104	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17105	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCA
	R17106	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17107	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17108	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCA
	R17109	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17110	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCA
	R17111	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17112	ERJT14J1R0U	C1.0 OHM, J,1/4W	1	
	R17113	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17115	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCA
	R17116	ERJT14J1R0U	C1.0 OHM, J,1/4W	1	
	R17118	ERJT14J1R0U	C1.0 OHM, J,1/4W	1	
	R17120	ERJT14J1R0U	C1.0 OHM, J,1/4W	1	
	R17124	D0GB470JA041	M 47 OHM,J,1/10W	1	
	R17125	EXB38V470J	RESISTOR ARRAY	1	
	R17126	D0GB681JA041	M 680 OHM,J,1/10W	1	
	R17127	EXB38V681J	RESISTOR ARRAY	1	
	R17128	D0GB102JA041	M 1KOHM,J,1/10W	1	
	R17129	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
	R17130	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	
	R17131	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R17132	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R17203	EXB38V681J	RESISTOR ARRAY	1	
	R17204	D0GB681JA041	M 680 OHM,J,1/10W	1	
	R17205	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17206	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17207	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCA
	R17208	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17209	EXB38V470J	RESISTOR ARRAY	1	
	R17210	D0GB470JA041	M 47 OHM,J,1/10W	1	
	R17211	D0GB101JA041	M 100 OHM,J,1/10W	1	
	R17212	D0GB201JA041	M 200 OHM,J,1/10W	1	PAVCA
	R17213	ERJT14J1R0U	C1.0 OHM, J,1/4W	1	
	R17215	ERJT14J1R0U	C1.0 OHM, J,1/4W	1	
	R17217	EXB38V681J	RESISTOR ARRAY	1	
	R17218	EXB38V470J	RESISTOR ARRAY	1	
	R17219	ERJ6GEY0R00V	M 0 OHM J 1/10W	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	R17220	D0GB101JA041	M 100 OHM,J,1/ 10W	1	
	R17221	D0GB101JA041	M 100 OHM,J,1/ 10W	1	
	R17222	D0GB201JA041	M 200 OHM,J,1/ 10W	1	PAVCA
	R17223	D0GB101JA041	M 100 OHM,J,1/ 10W	1	
	R17224	D0GB101JA041	M 100 OHM,J,1/ 10W	1	
	R17225	D0GB201JA041	M 200 OHM,J,1/ 10W	1	PAVCA
	R17226	ERJ6GEYJ224	M 220KOHM,J,1/ 10W	1	
	R17227	ERJT14J1R0U	C1.0 OHM, J,1/4W	1	
	R17229	ERJT14J1R0U	C1.0 OHM, J,1/4W	1	
	R17231	ERJT08J151V	M150 OHM,F,0.33W	1	
	R17232	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	R17233	D0GBR00Z0002	M 0 OHM J 1/10W	1	
	RM2501	B3RAD0000168	REMOTE SENSOR	1	
	S2	K1KA02BA0061	2P CONNECTOR	1	
	SC2	K1KY02B00012	2P CONNECTOR	1	
	SC3	K1KA03A00596	3P CONNECTOR	1	
	SC20	K1MY30BA0345	30P CONNECTOR	1	PAVCA
	SC41	K1KA09AA0707	9P CONNECTOR	1	
	SC42	K1KA09AA0707	9P CONNECTOR	1	
	SC46	K1KA09AA0707	9P CONNECTOR	1	
	SC50	K1KA02AA0193	2P CONNECTOR	1	
	SN2510	B3JB00000078	IC	1	PAVCA
	SS3	K1KY03BA0236	3P CONNECTOR	1	
	SS11	K1KY03B00006	3P CONNECTOR	1	
	SS23	K1KY06AA0719	6P CONNECTOR	1	
	SS52	K1MY13BA0376	13P CONNECTOR	1	PAVCA
	SS55	K1MY13BA0376	13P CONNECTOR	1	PAVCA
	SW2500	K0F122A00172	SWITCREMOTE CON-TROLH	1	
	SW3759A	K0H1BA000445	SWITCH	1	
	SW3761A	K0H1BA000445	SWITCH	1	
	SW3762A	K0H1BA000445	SWITCH	1	
	SW3763A	K0H1BA000445	SWITCH	1	
	SW3764A	K0H1BA000445	SWITCH	1	
	SW3765A	K0H1BA000445	SWITCH	1	
	T16471	G4DYA0000201	TRANSFORMER	1	PAVCA
⚠	TU8302	ENG36F12KF	TUNER	1	PAVCA
	X8000	H0J250500094	CRYSTAL	1	PAVCA
	X9000	H2D100500004	CRYSTAL	1	
	X9300	H0J200500076	CRYSTAL	1	
	ZA001	K4CD01000011	AV TERMINAL	1	
	ZA002	K4CD01000011	AV TERMINAL	1	
	ZA4700	K4CC01000001	TERMINAL	1	
	ZA4701	K4AZ01D00004	TERMINAL	1	
	ZA4702	K4AZ01D00004	TERMINAL	1	
	ZA16401	K4CD01000011	AV TERMINAL	1	
	ZA16402	K4CD01000011	AV TERMINAL	1	
	ZA16403	K4CD01000011	AV TERMINAL	1	
	ZA16404	K4CD01000011	AV TERMINAL	1	
	ZA17102	K4CD01000013	AV TERMINAL	1	
	ZA17103	K4CD01000013	AV TERMINAL	1	
	ZA17104	K4CD01000013	AV TERMINAL	1	
	ZA17105	K4CD01000013	AV TERMINAL	1	
	ZA17201	K4CD01000013	AV TERMINAL	1	
	ZA17202	K4CD01000013	AV TERMINAL	1	
	ZA17203	K4CD01000013	AV TERMINAL	1	
	ZA17204	K4CD01000013	AV TERMINAL	1	