ORDER NO.ITD0704012CE

Service Manual

Plasma Television



TH-50PV70AZ
TH-50PV70H
TH-50PV70M
TH-50PV70MR
TH-50PV70MT

GPH10DA Chassis

Specifications

Power Source	AC 220-240 V, 50 / 60 Hz
Power Consumption	
Average use	519 W
Standby condition	0.5 W
Display panel	
Aspect Ratio	16 : 9
Visible screen size	127 cm (diagonal) 1,106 mm (W) × 622 mm (H)
Number of pixels	1,049,088 (1,366 (W) × 768 (H)) [4,098 × 768 dots]
Sound	
Speaker	120 mm × 60 mm × 2 pcs, 8 ohm
Audio Output	20 W [10 W + 10 W] (10 % THD)
Headphones	M3 (3.5 mm) stereo mini Jack × 1
PC signals	VGA, SVGA, XGA SXGA ..... (compressed) Horizontal scanning frequency 31 - 69 kHz Vertical scanning frequency 59 - 86 Hz

Panasonic®

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Receiving Systems/Band name

17 Systems		Function
1	PAL B, G, H	Reception of broadcast transmissions and Playback from Video Cassette Tape Recorders
2	PAL I	
3	PAL D, K	
4	SECAM B, G	
5	SECAM D, K	
6	SECAM K1	
7	NTSC M (NTSC 3.58/4.5 MHz)	

17 Systems		Function
8	NTSC 4.43/5.5 MHz	Playback from Special VCR's or DVD
9	NTSC 4.43/6.0 MHz	
10	NTSC 4.43/6.5 MHz	
11	NTSC 3.58/5.5 MHz	
12	NTSC 3.58/6.0 MHz	
13	NTSC 3.58/6.5 MHz	
14	SECAM I	
15	PAL 60 Hz/5.5 MHz	Playback from Special Disc Players and Special VCR's or DVD
16	PAL 60 Hz/6.0 MHz	
17	PAL 60 Hz/6.5 MHz	

Receiving Channels (Regular TV)

VHF BAND

2-12 (PAL/SECAM B, K1)	0-12 (PAL B AUST.)
1-9 (PAL B N.Z.)	1-12 (PAL/SECAM D)
1-12 (NTSC M Japan)	2-13 (NTSC M USA)

UHF BAND

21-69 (PAL G, H, I/SECAM G, K, K1)	28-69 (PAL B AUST.)
13-57 (PAL D, K)	13-62 (NTSC M Japan)
14-69 (NTSC M USA)	

CATV

S1-S20 (OSCAR)	1-125 (USA CATV)
C13-C49 (JAPAN)	S21-S41 (HYPER)
Z1-Z37 (CHINA)	5A, 9A (AUST.)

Aerial - Rear	VHF / UHF	
Operating Conditions	Temperature: 0 °C - 40 °C	
	Humidity: 20 % - 80 % RH (non-condensing)	
Connection Terminals		
AV1 Input		
AUDIO L - R	RCA PIN Type × 2	0.5 V[rms]
VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 ohm)
S VIDEO	Mini DIN 4-pin	Y:1.0 V[p-p] (75 ohm) C:0.286 V[p-p] (75 ohm)
AV2 Input		
AUDIO L - R	RCA PIN Type × 2	0.5 V[rms]
VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 ohm)
COMPONENT	Y	1.0 V[p-p] (including synchronization)
	P_B/C_B, P_R/C_R,	± 0.35 V [p-p]
AV3 Input		
AUDIO L - R	RCA PIN Type × 2	0.5 V[rms]
VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 ohm)
COMPONENT	Y	1.0 V[p-p] (including synchronization)
	P_B/C_B, P_R/C_R,	± 0.35 V [p-p]
AV4 Input		
AUDIO L - R	RCA PIN Type × 2	0.5 V[rms]
VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 ohm)
S VIDEO	Mini DIN 4-pin	Y:1.0 V[p-p] (75 ohm) C:0.286 V[p-p] (75 ohm)
Others		
HDMI 1/2 Input	TYPE A Connectors	・This TV supports "HDAVI Control 2" function.
PC Input	HIGH-DENSITY D-SUB 15PIN	R,G,B/0.7 V [p-p] (75 ohm)
		HD, VD/TTL Level 2.0 - 5.0 V [p-p] (high impedance)
Audio Input	RCA PIN Type × 2	0.5 V[rms]
Monitor Output		
AUDIO L-R	RCA PIN Type × 2	0.5 V [rms] (high impedance)
VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 ohm)
Dimensions (W × H × D)	1,210 mm × 818 mm × 94 mm (TV only)	
Mass	38.0 kg Net (TV only)	

Note:

・Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

⚠ 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.

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1 Applicable signals

COMPONENT (Y, P_B, P_R), **HDMI**

* Mark: Applicable input signal

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

PC (D-sub 15P)

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

Note

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

2 Safety Precautions

2.1. General Guidelines

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

2.2. Touch-Current Check

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

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

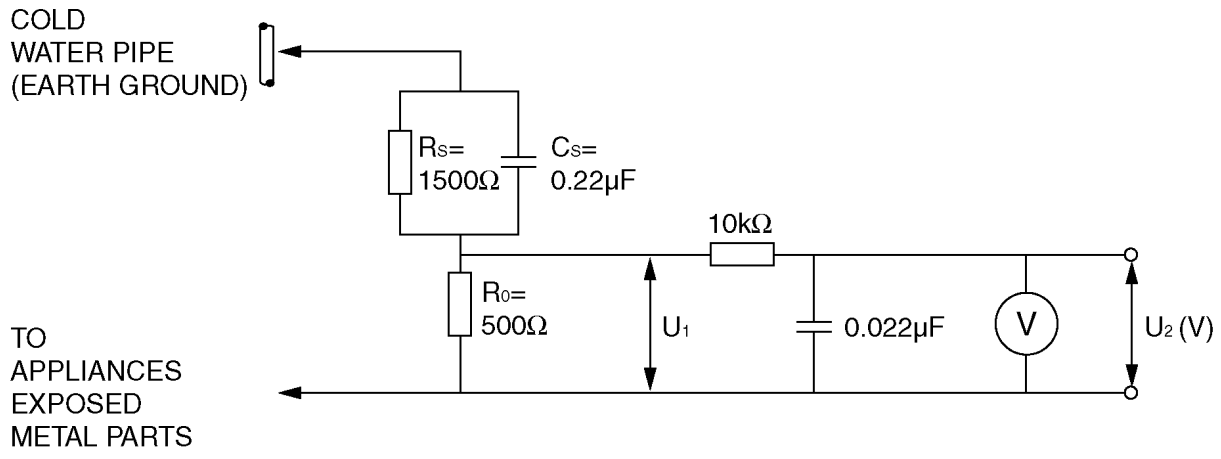
   For d. c.: U_1 = 1.0 V,

   Note:

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

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

Measuring network for TOUCH CURRENTS



Resistance values in ohms (Ω)

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

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

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

Figure 1

3 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).

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, 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.

4 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.

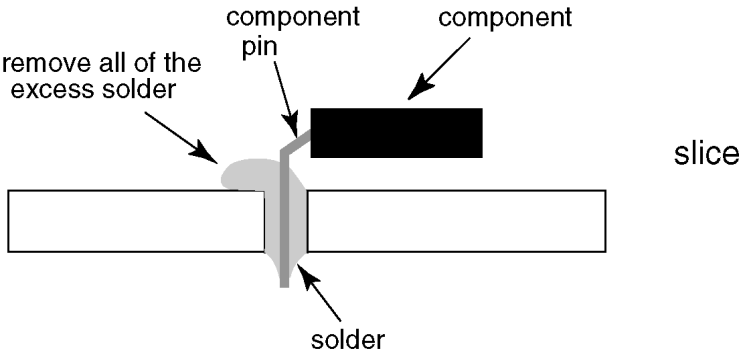
This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

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

Caution

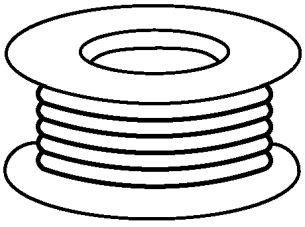
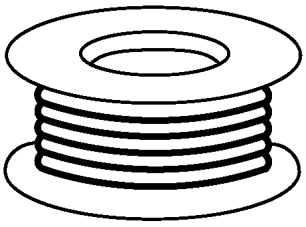
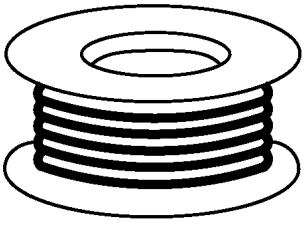
- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

  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)



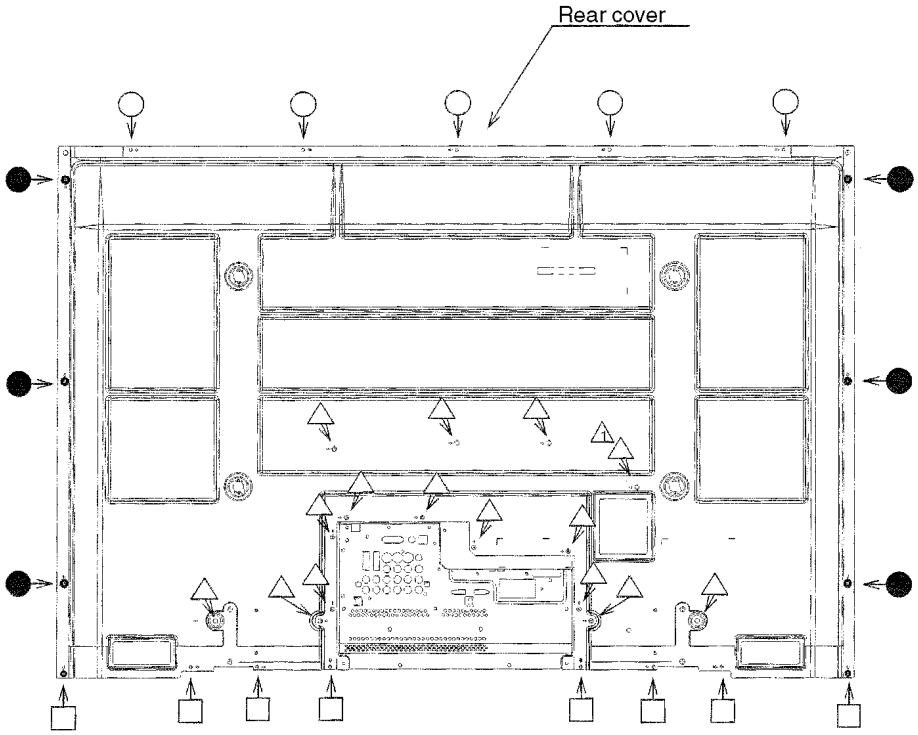
Suggested Pb free solder

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.

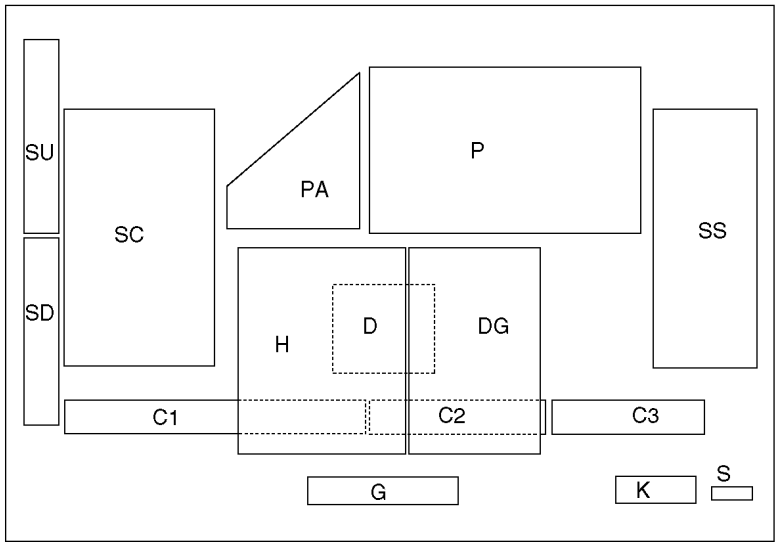
0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

5 Service Hint

Remove the Rear Cover



○ XYN4+F10FJK (5 PCS)
● XYN4+F30FJK (6 PCS
△ THEL0429 (15 PCS)
□ XTB4+12GFJK (10 PCS)



Board Name	Function	Board Name	Function
P	Power Supply	D	Format Converter, Plasma AI, Sub-Field Processor
DG	Digital Signal Processor, Micon, HDMI Interface Peaks Lite 2	C1	Data Driver (Lower Right)
		C2	Data Driver (Lower center)
K	Remote receiver, Power LED	C3	Data Driver (Lower Left)
S	Power Switch	SC	Scan Drive
H	Speaker out, Sound Processor AV Terminal, AV Switch	SU	Scan out (Upper)
		SD	Scan out (Lower)
PA	DC-DC Converter	SS	Sustain Drive
G	Key Switch, Front Terminal	SS2	Sustain out (Upper)
		SS3	Sustain out (Lower)

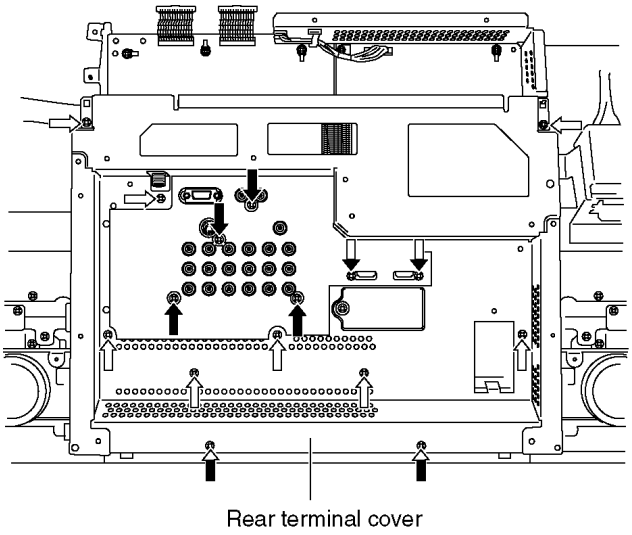
6 Plasma panel replacement method

6.1. Remove the rear cover

1. See Service Hint (Section 5)

6.2. Remove the rear terminal cover

1. Remove the screws (×9 ⇨, ×4 ➡, ×2 ⇨, ×2 ➡).
2. Remove the rear terminal cover.

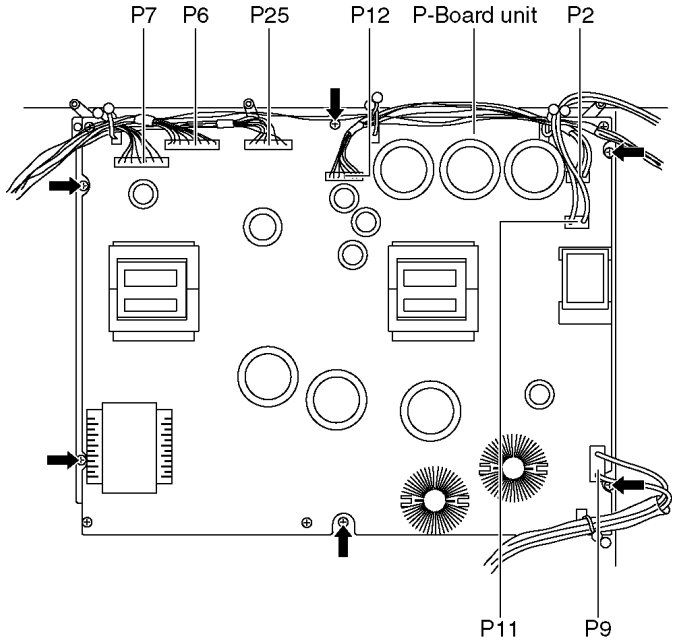


6.3. Remove the P-Board

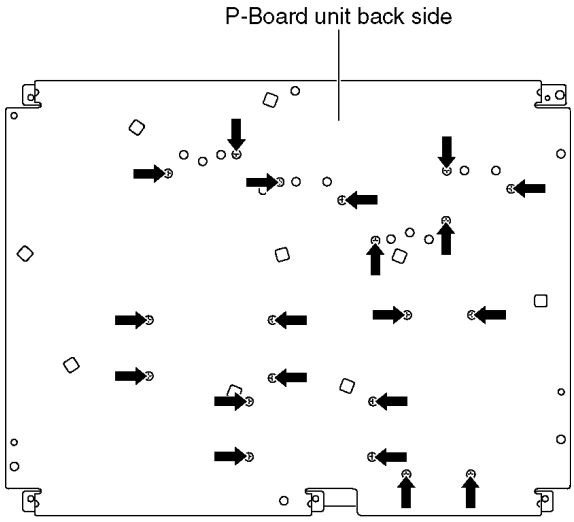
Caution:

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

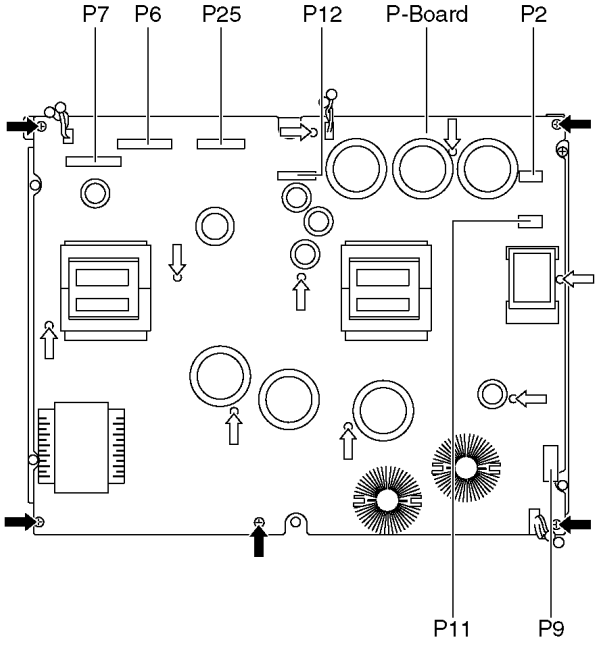
1. Disconnect the connectors (P2, P6, P7, P9, P11, P12 and P25).
2. Remove the screws (×6 ➡) and remove the P-Board unit.



3. Remove the screws (×20 ➡) on the back side.

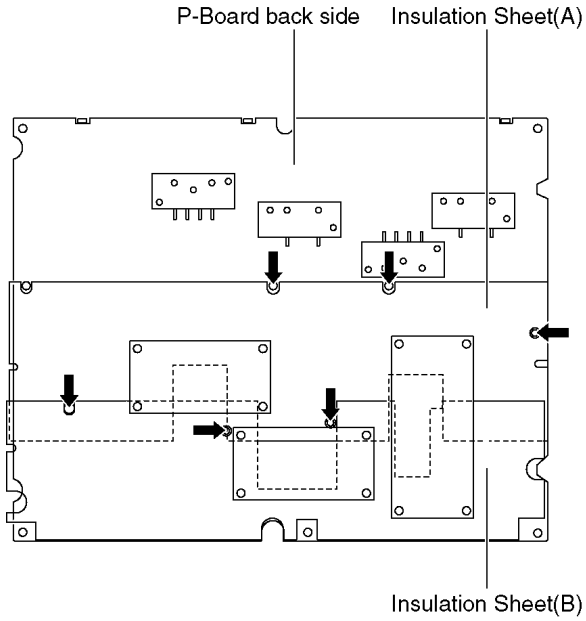


4. Remove the screws (×5 ➡).
5. Remove the molding props (×9 ⇨).
6. Remove the P-Board.



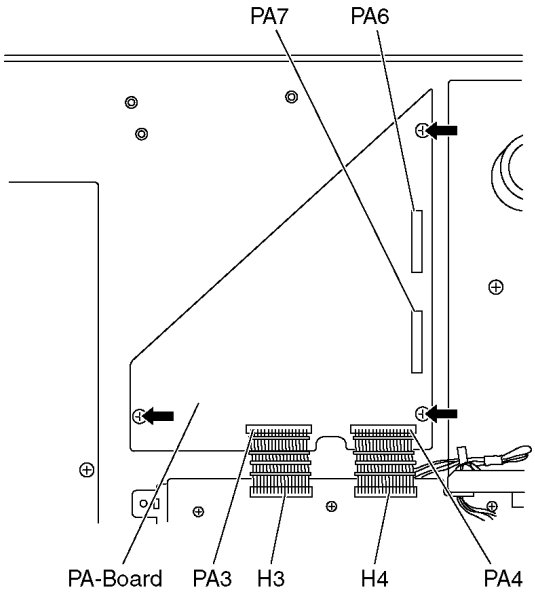
Note:

When assembling the P-Board, the position of each hole of the insulation sheets (A and B) is set to the position of each hole of the P-Board, then assemble them. (➡ marks indicate setting positions.)



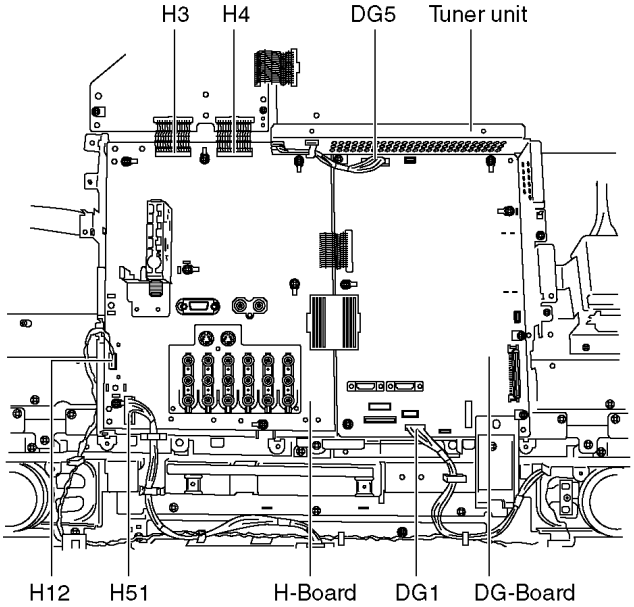
6.4. Remove the PA-Board

1. Unlock the cable clampers to free the cable.
2. Disconnect the connectors (PA3, PA4, PA6 and PA7).
3. Remove the screws (×3 ➡) and remove the PA-Board.



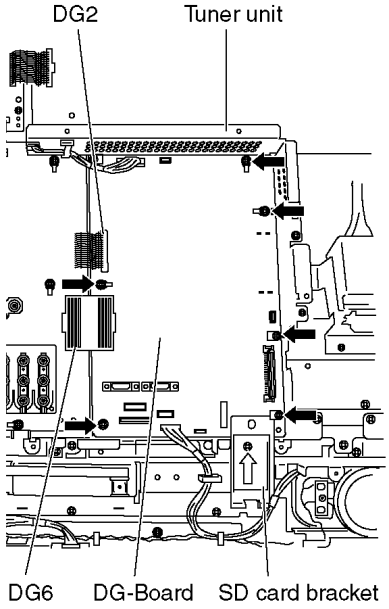
6.5. Remove the Tuner unit

1. Unlock the cable clampers to free the cable.
2. Disconnect the connectors (H3, H4, H12, H51, DG1, and DG5).
3. Remove the screws (×4 ➡) and remove the tuner unit.



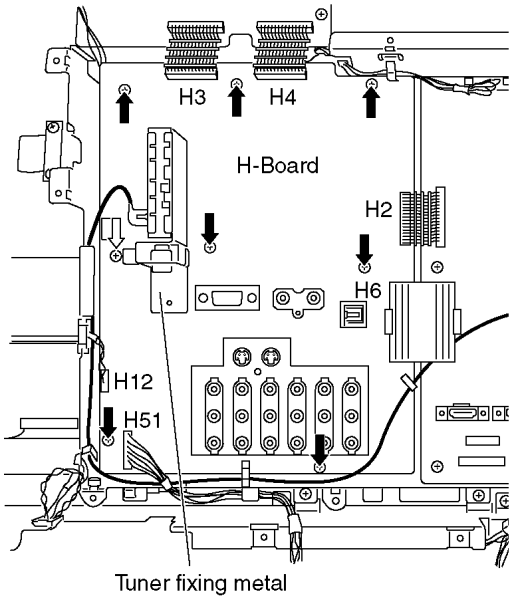
6.6. Remove the DG-Board

1. Remove the tuner unit. (See section 6.5.)
2. Remove the screw (×1 ⇨) and remove the SD card bracket.
3. Disconnect the connectors (DG2 and DG6)
4. Remove the screws (×6 ➡) and remove the DG-Board.



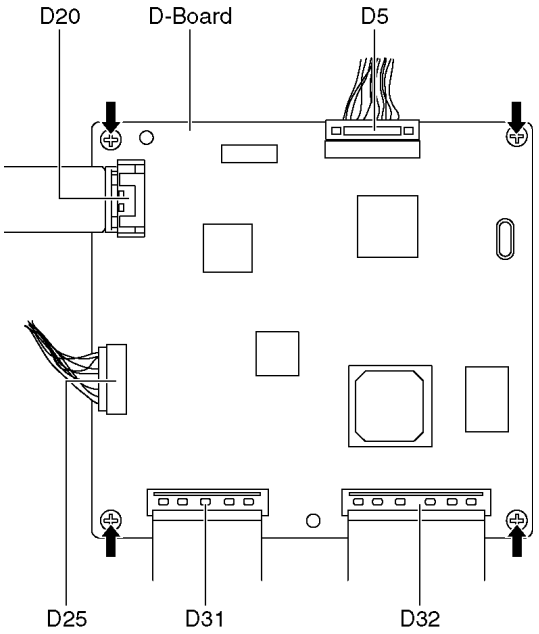
6.7. Remove the H-Board

1. Remove the tuner unit (See section 6.5.)
2. Remove the screw (×1 ⇨) and remove the tuner fixing metal.
3. Remove the screw (×7 ➡) and remove the H-Board.



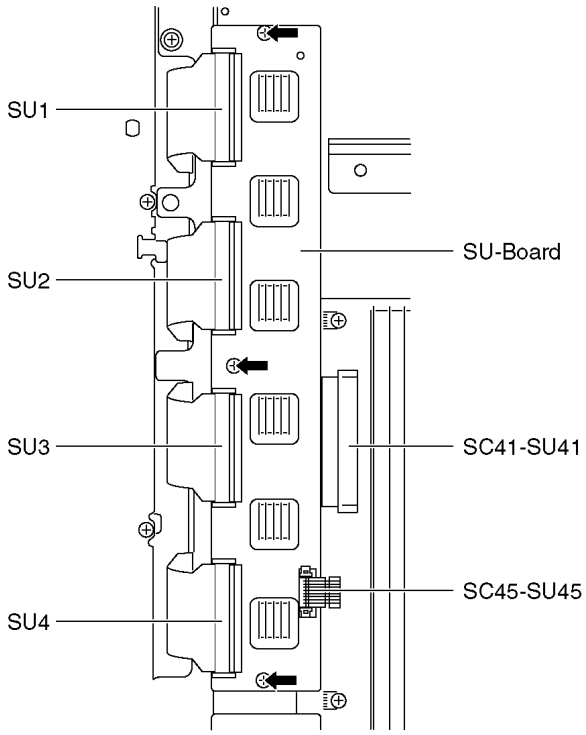
6.8. Remove the D-Board

1. Remove the tuner unit. (See section 6.5.)
2. Disconnect the connectors (D5 and D25).
3. Disconnect the flexible cables (D20, D31 and D32).
4. Remove the screws (×4 ➡) and remove the D-Board.



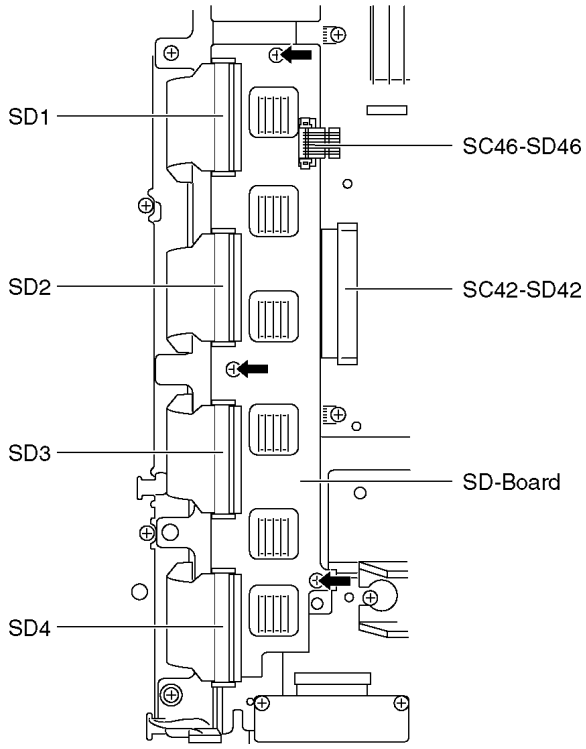
6.9. Remove the SU-Board

1. Remove the screws (×3 ➡).
2. Remove the flexible cables (SU1, SU2, SU3 and SU4) connected to the SU-Board and remove the connector (SC45-SU45).
3. Slide the SU-Board to the left to disconnect from a connector (SC41-SU41) on the SC-Board and remove the SU-Board.



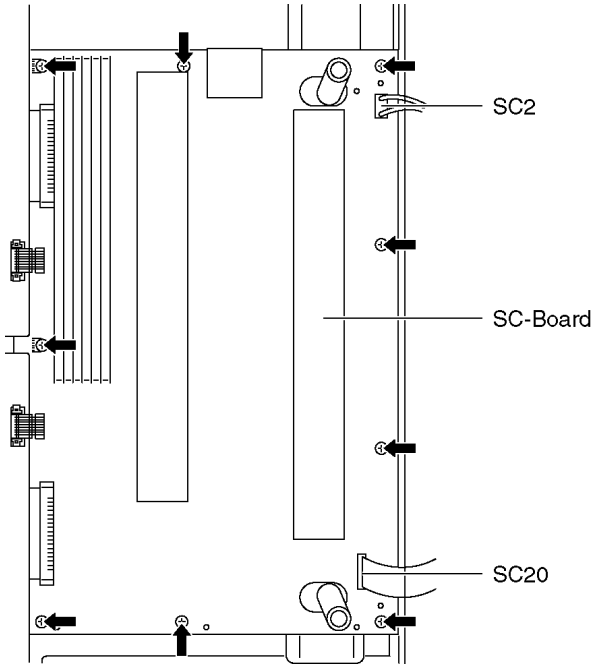
6.10. Remove the SD-Board

1. Remove the screws (×3 ➡).
2. Remove the flexible cables (SD1, SD2, SD3 and SD4) connected to the SD-Board and remove the connector (SC46-SD46).
3. Slide the SD-Board to the left to disconnect from a connector (SC42-SD42) on the SC-Board and remove the SD-Board.



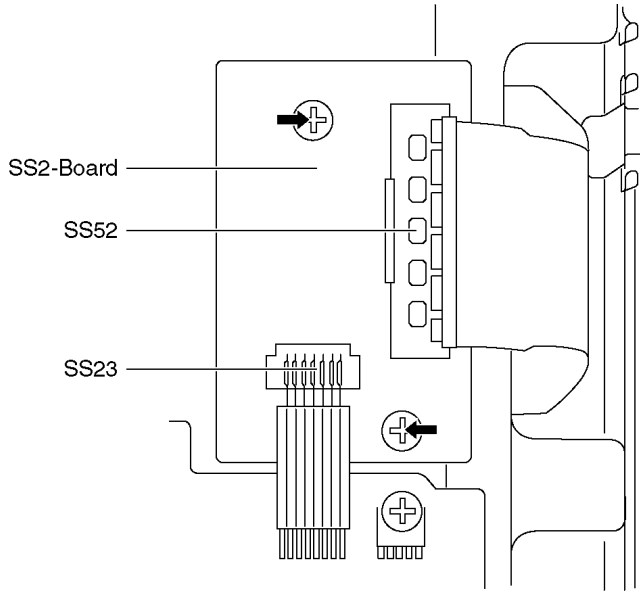
6.11. Remove the SC-Board

1. Remove the SU-Board and SD-Board. (See section 6.9. and 6.10.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connector (SC2).
4. Disconnect the flexible cable (SC20).
5. Remove the screws (×9 ➡) and remove the SC-Board.



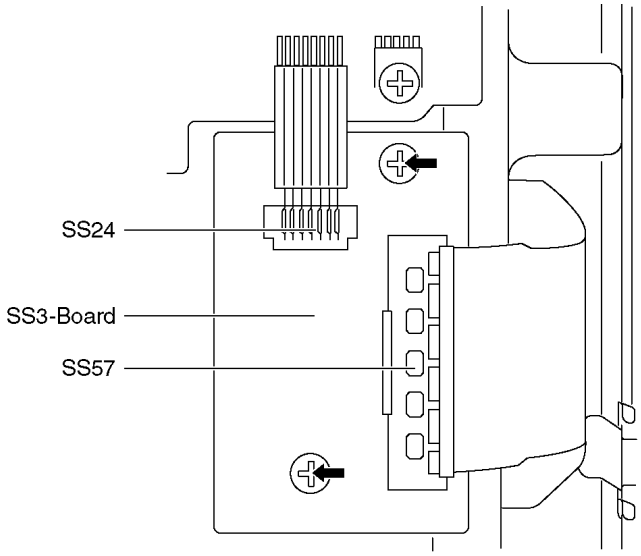
6.12. Remove the SS2-Board

1. Disconnect the connector (SS23) and disconnect the flexible cable (SS52).
2. Remove the screws (×2 ➡) and remove the SS2-Board.



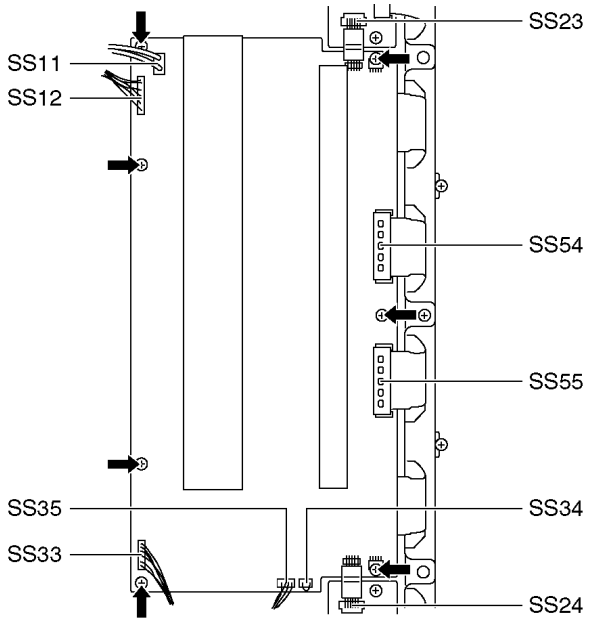
6.13. Remove the SS3-Board

1. Disconnect the connector (SS24) and disconnect the flexible cable (SS57).
2. Remove the screws (×2 ➡) and remove the SS3-Board.



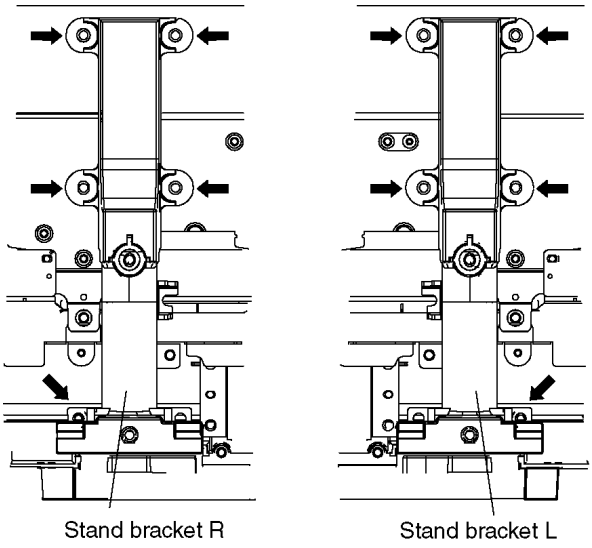
6.14. Remove the SS-Board

1. Disconnect the connectors (SS11, SS12 SS23, SS24, SS33, SS34 and SS35).
2. Disconnect the flexible cables (SS54 and SS55).
3. Remove the screws (×7 ➡) and remove the SS-Board.



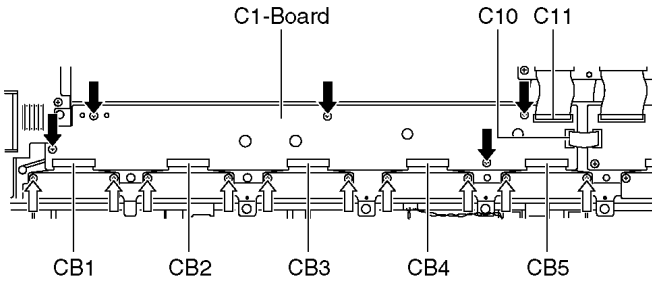
6.15. Remove the stand brackets

1. Remove the plasma panel section from the servicing stand and lay on a flat surface such as a table (covered) with the plasma panel surface facing downward.
2. Remove the stand brackets (left, right) fastening screws (×5 ➡ each) and remove the stand brackets (left, right).



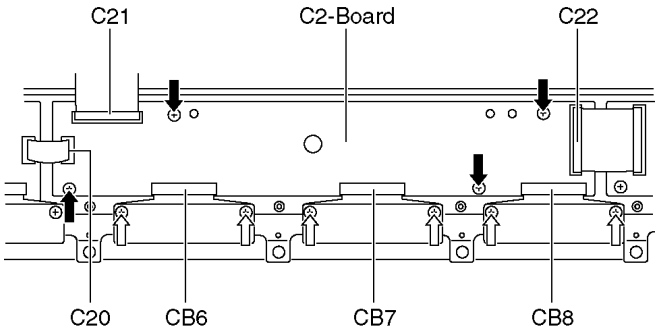
6.16. Remove the C1-Board

1. Remove the tuner unit. (See section 6.5.)
2. Remove the stand bracket (L). (See section 6.15.)
3. Remove the flexible cables holder fastening screws (×10 ⇨).
4. Disconnect the flexible cables (CB1, CB2, CB3, CB4 and CB5).
5. Disconnect the flexible cables (C10 and C11).
6. Remove the screws (×5 ➡) and remove the C1-Board.



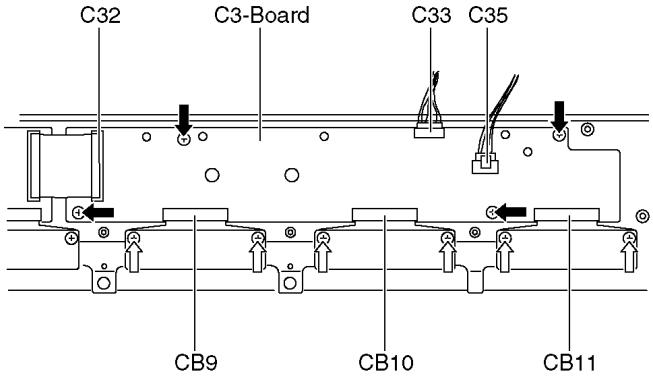
6.17. Remove the C2-Board

1. Remove the tuner unit. (See section 6.5.)
2. Remove the flexible cables holder fastening screws (×6 ⇨).
3. Disconnect the flexible cables (CB6, CB7 and CB8).
4. Disconnect the flexible cables (C20, C21 and C22).
5. Remove the screws (×4 ➡) and remove the C2-Board.



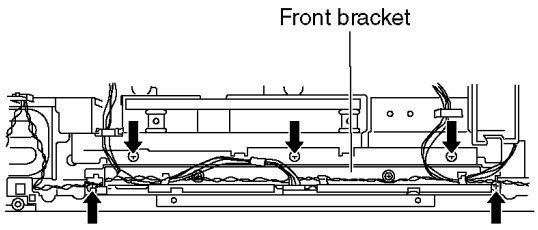
6.18. Remove the C3-Board

1. Remove the tuner unit. (See section 6.5.)
2. Remove the stand bracket (R). (See section 6.15.)
3. Remove the flexible cables holder fastening screws (×6 ⇨).
4. Disconnect the flexible cables (CB9, CB10 and CB11).
5. Disconnect the flexible cable (C32).
6. Disconnect the connectors (C33 and C35).
7. Remove the screws (×4 ➡) and remove the C3-Board.



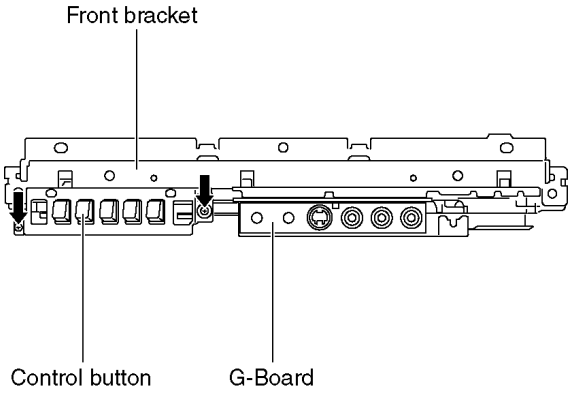
6.19. Remove the front bracket

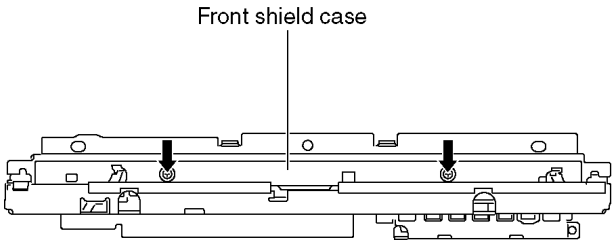
1. Disconnect the connector (H51). (See section 6.5.)
2. Remove the screws (×4 ➡) and remove the front bracket.



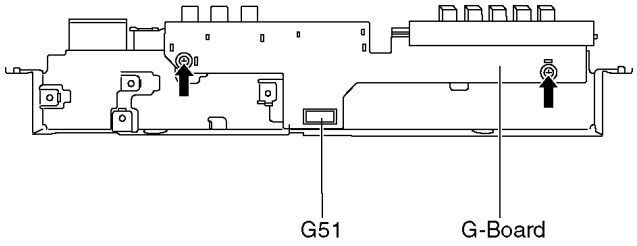
6.20. Remove the G-Board

1. Remove the front bracket. (See section 6.19.)
2. Remove the screws (×4 ➡) and remove the front shield case and the control button.



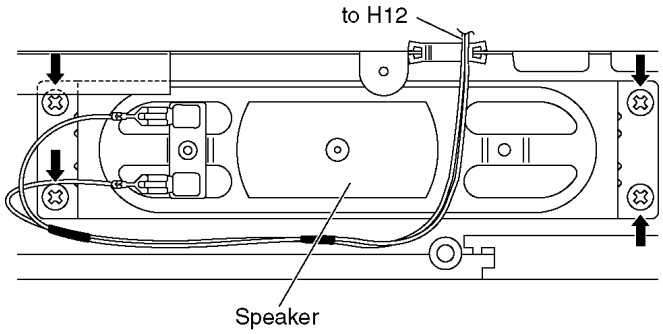


3. Remove the screws (×2 ➡) and disconnect the connector (G51).
4. Remove the G-Board.



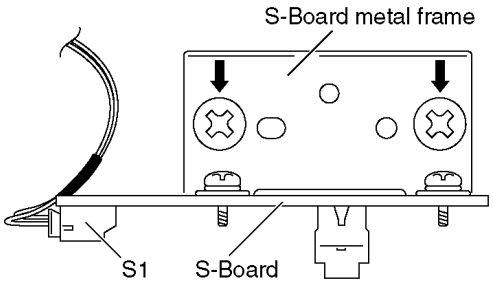
6.21. Remove the speaker L, R

1. Disconnect the connector (H12). (See section 6.5.)
2. Remove the screws (×4 ➡ each) and remove the speaker L, R.

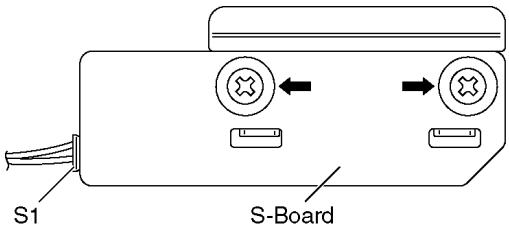


6.22. Remove the S-Board

1. Remove the screws (×2 ➡) and remove the S-Board metal frame.

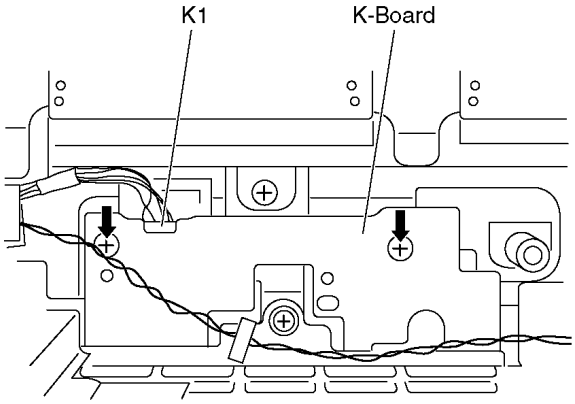


2. Disconnect the connector (S1).
3. Remove the screws (×2 ➡) and remove the S-Board.

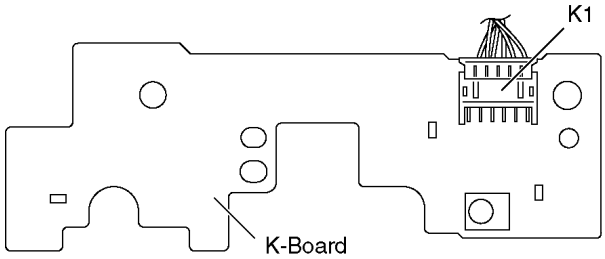


6.23. Remove the K-Board

1. Unlock the cable clampers to free the cable.
2. Disconnect the connector (DG1). (See section 6.21.)
3. Remove the screws (×2 ➡) and remove the K-Board.

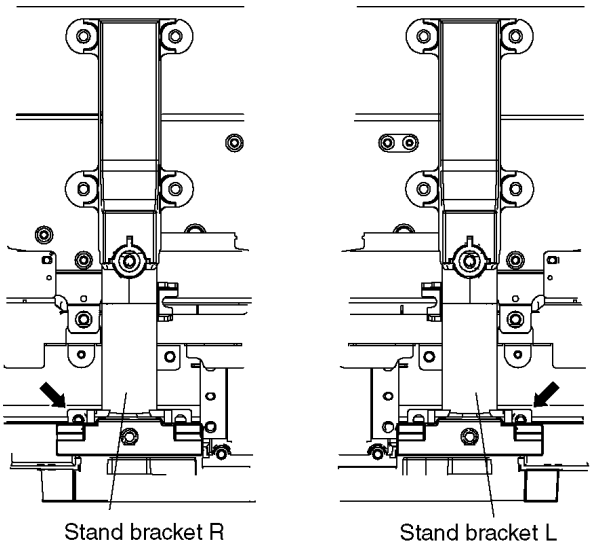


4. Disconnect the connectors (K1) and remove the K-Board.

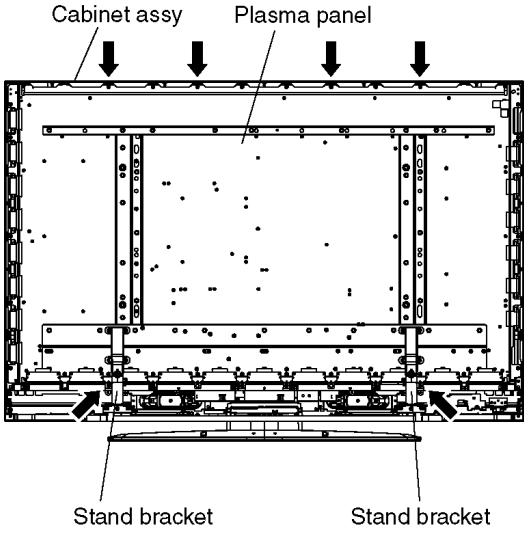


6.24. Remove the Plasma panel section from the Cabinet assy (glass)

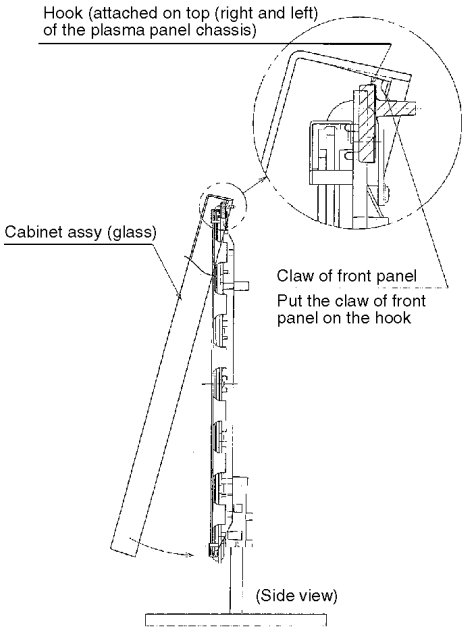
1. Remove the stand brackets (left, right) fastening screw (×1 ➡ each).



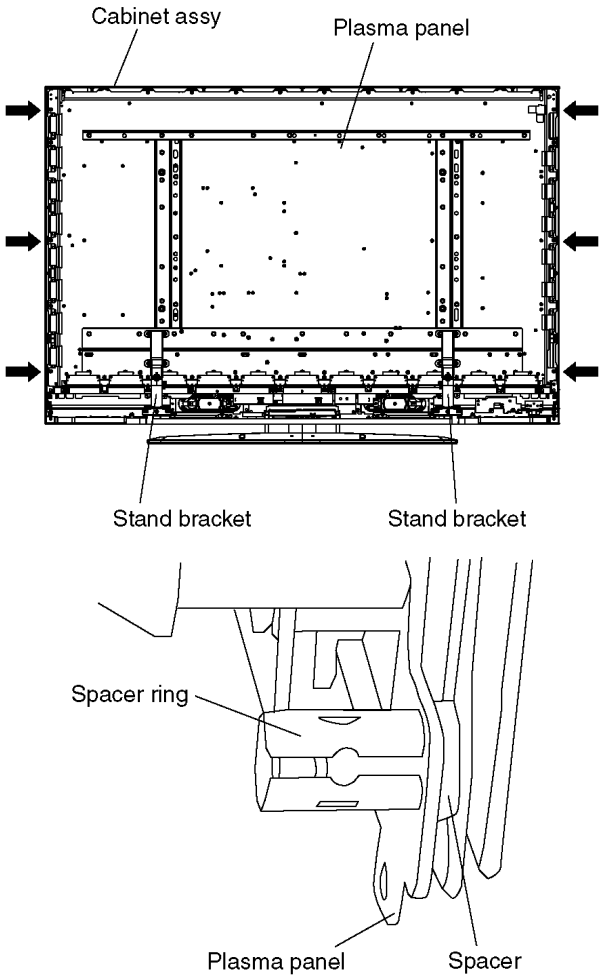
2. Remove the cabinet assy and the plasma panel fastening screws (×6 ➡).



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



4. Remove the spacers and spacer rings (×6 ➡).



6.25. Replace the plasma panel (finished)

1. Place the new plasma panel (finished) on the flat surface of the table (covered by a soft cloth), with the plasma panel surface facing downward.
2. Attach the C1-Board, C2-Board and the C3-Board, connect the flexible cables (×22) from the plasma panel to the C1-Board, C2-Board and the C3-Board, and fit the flexible cable holders.
3. Attach the Hooks (left, right) and fit the stand brackets (L, R) to the new plasma panel.
4. Place the plasma panel section on the servicing stand.
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.**

7 Caution statement

7.1. Caution statement.

Caution:

Please confirm that all flexible cables are assembled correctly.

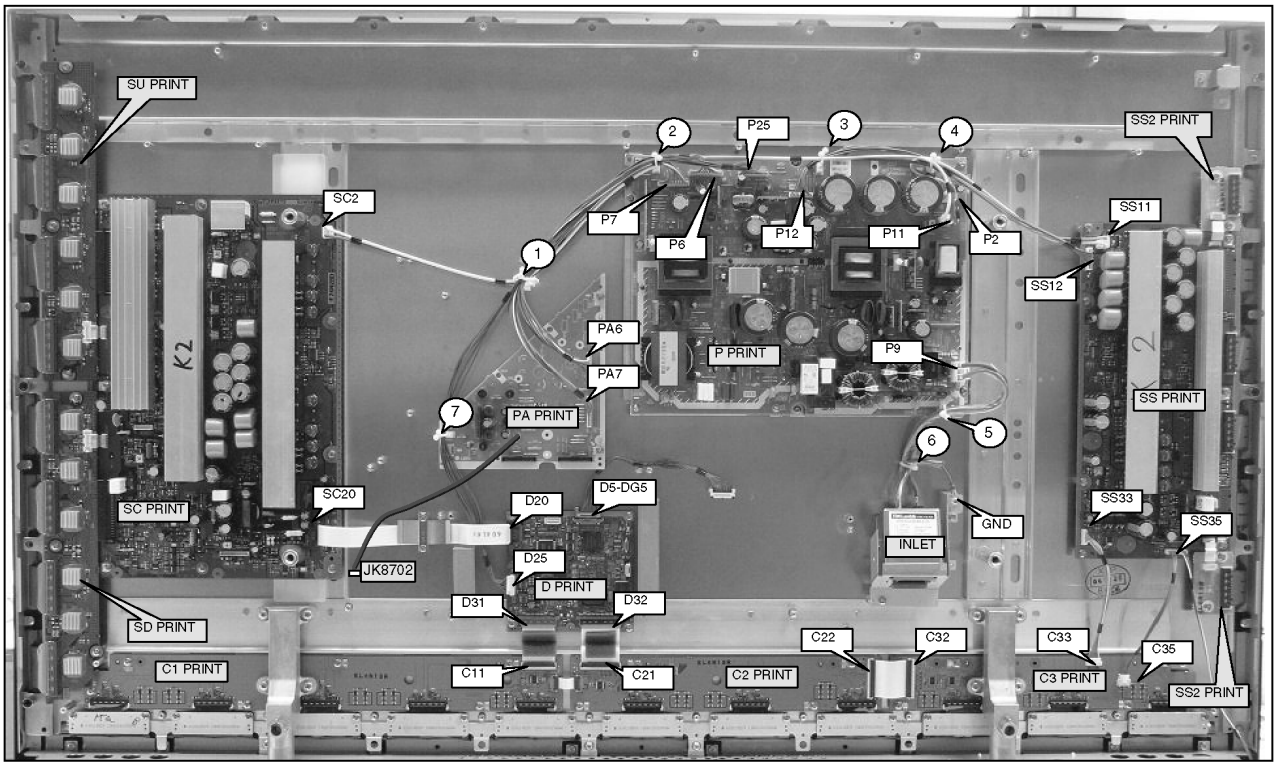
Also make sure that they are locked in the connectors.

Verify by giving the flexible cables a very slight pull.

8 Location of Lead Wiring

8.1. Lead of Wiring (1)

The wire is dressed as shown in figure.

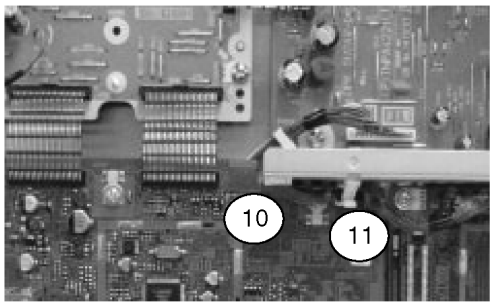


	1	2	3	4	5	6	7	
SC2 - P2	0	0	0	0				
SC20 - D20								
PA6 - P6	0	0						
PA7 - P7	0	0						
D5 - DG5								
C22 - C32								
C33 - SS33								
C35 - SS35								
P25 - D25	0	0					0	
P9 - INLET					0	0		
GND - INLET						0		
P12 - SS12			0	0				
P11 - SS11				0				
D21 - C11								
D32 - C12								

8.2. Lead of Wiring (2)

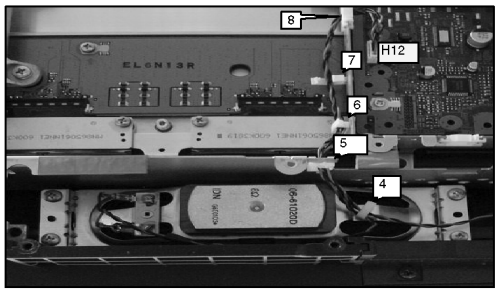
The wire is dressed as shown in figure.

	10	11
DG5-D5	○	○



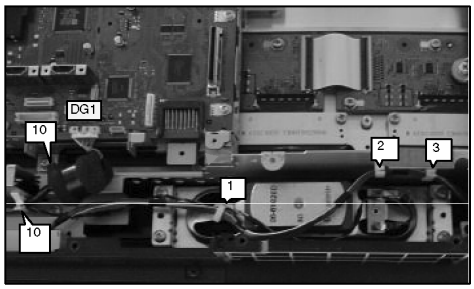
8.3. Lead of Wiring (3)

The wire is dressed as shown in figure.



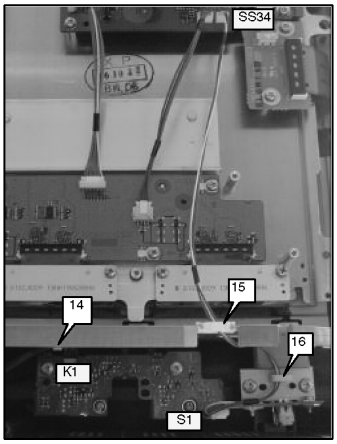
INSERTION OF WIRE TO CLAMPER SEE PICTURE

○ SINGLE WRAP



WIRE	CLAMPER 1	2	3	4	5	6	7	8	9	10	11	14	15	16
H12-SPKL				○	○	○	○	○						
H12-SPKR	○			○	○	○	○	○	○		○			
DG1-G1										○	○	○		
S1-SS34													○	○





9 Self-check Function

Use the self-check function to test the unit.

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

9.1. Check of the IIC bus lines

9.1.1. How to access

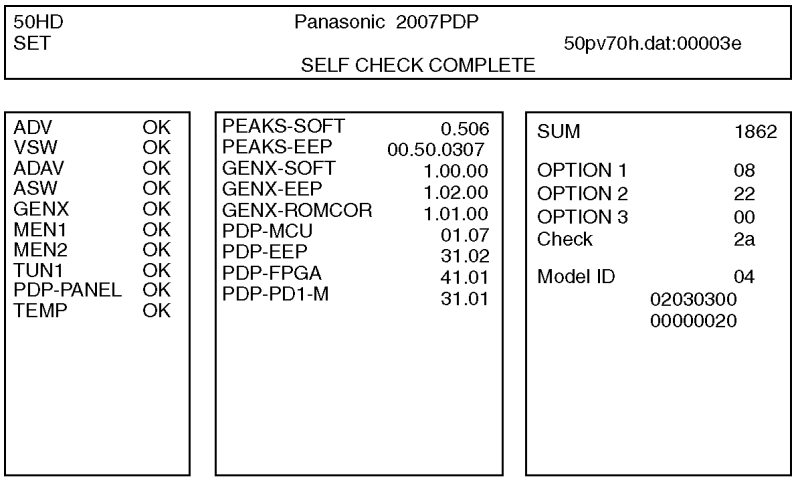
Self-check indication only:

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.

9.1.2. Screen display



9.1.3. Check Point

Confirm the following parts if NG was displayed.

Display	Ref. No.	Description	P.C.B.
ADV	IC4510	AD/HDMI	DG-Board
VSW	IC3001	Video SW	H-Board
ADAV	IC2106	Sound Processor	H-Board
ASW	IC3101	Audio SW	H-Board
GEN	IC1100	GenX (STB MCU)	DG-Board
MEM1	IC1101	EEPROM (GenX)	DG-Board
MEM2	IC8601	EEPROM (Peaks)	DG-Board
TUN1	TU3200	Tuner	H-Board
PDP-PANEL	IC9003	MICOM	D-Board
TEMP	IC4800	Temp Sensor	DG-Board

9.1.4. Exit

Disconnect the AC cord from wall outlet.

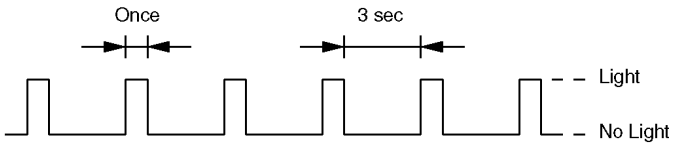
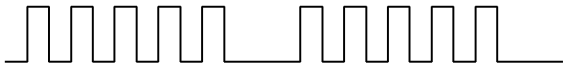
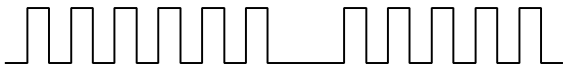
9.2. Power LED Blinking timing chart

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.

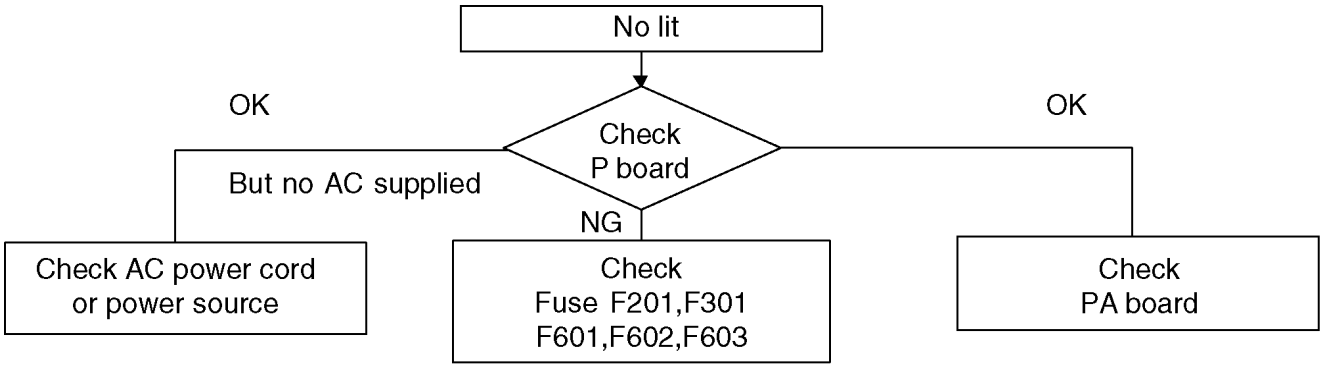
Blinking Times	Blinking timing	Contents	Check point
1		No particular check point	-
2		15V SOS	P-Board
3		3.3V SOS	D-Board
4		Power SOS	P-Board
5		5V SOS	P-Board D-Board
6		Driver SOS1 (SC Energy recovery circuit)	SU-Board SD-Board SC-Board
7		Driver SOS2 (SC floating voltage area)	SU-Board SD-Board SC-Board
8		Driver SOS3 (SS Energy recovery circuit)	SS-Board
9		Config SOS	-
10		Sub 5V SOS Main 3.3V SOS DTV 9V SOS Tuner Power SOS	PA-Board H-Board DG-Board
12		Sound SOS	P-Board H-Board
13		Communucation Error with IC8001 (Peaks Lite 2)	DG-Board

9.3. No Power

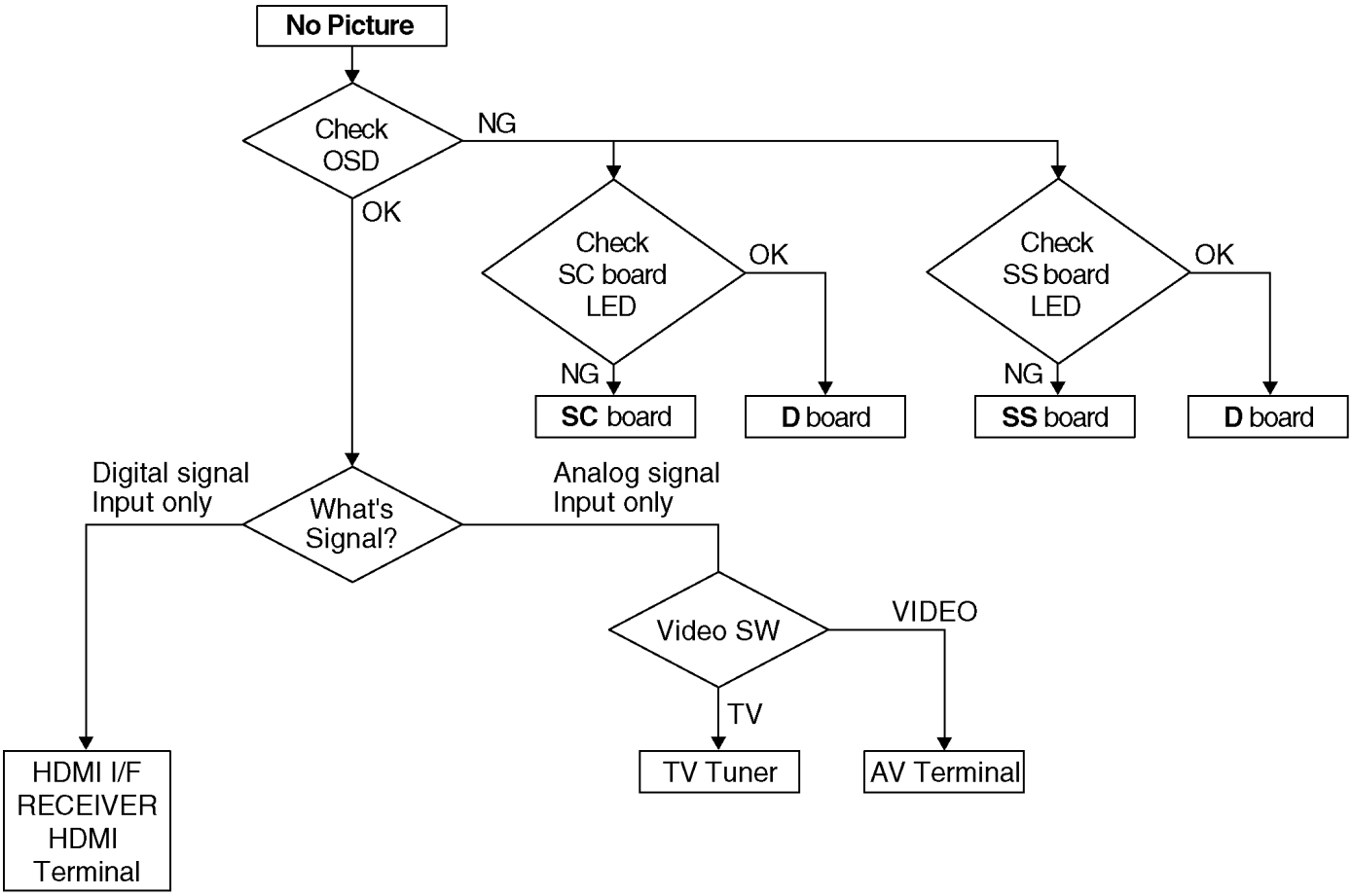
First check point

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

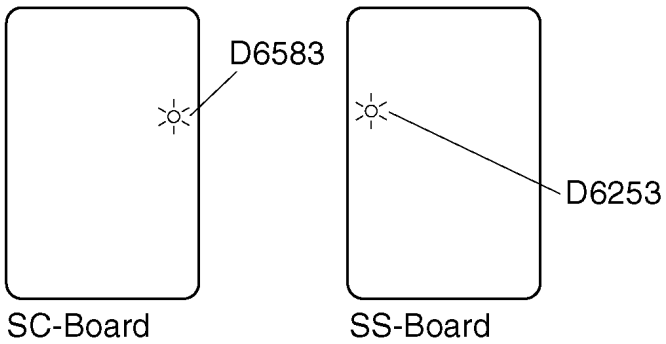
1. No lit
2. Red is lit then turns red blinking a few seconds later. (See 9.2.)



9.4. No Picture

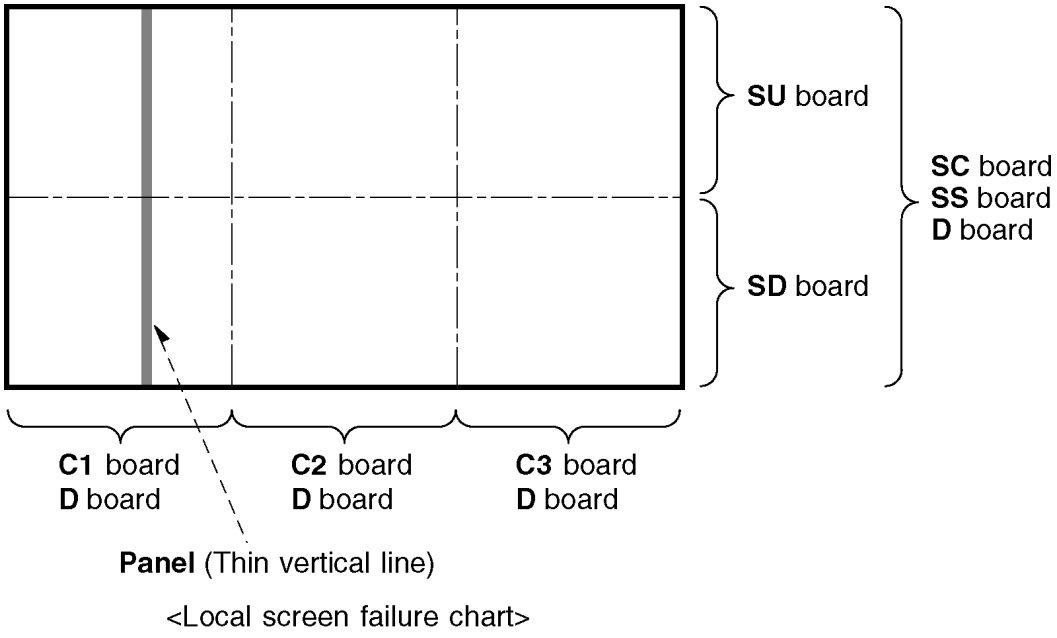


Drive circuits LED indicator



9.5. Local screen failure

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



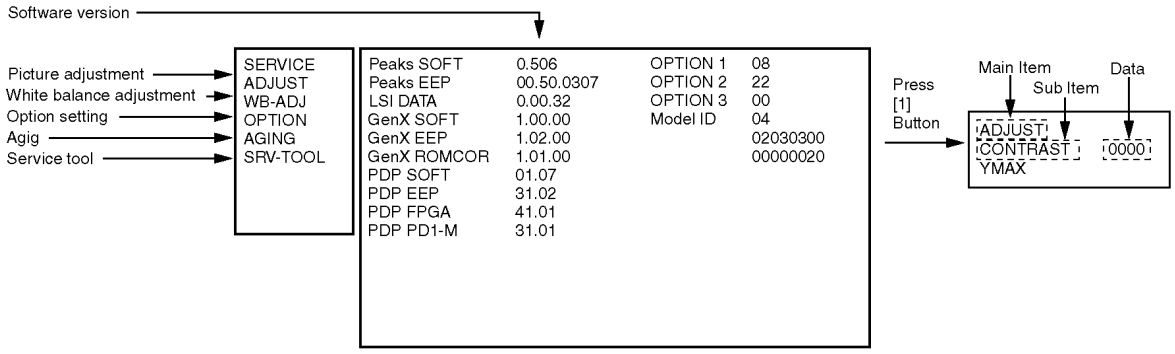
<Local screen failure chart>

Fig-1

10 Service Mode

10.1. How to enter into Service Mode

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



10.1.1. 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 (-)

10.1.2. 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	24C	
	COLOR	2B	
	TINT	00	
	SUB-BRT	810	
	H-POS	0	
	H-AMP	0	
	V-POS	0	
	V-AMP	0	
WB-ADJ	R-CUT	80	
	G-CUT	80	
	B-CUT	80	
	R-DRV	FC	
	G-DRV	F1	
	B-DRV	DE	
	ALL-CUT	80	
	ALL-DRV	FC	
OPTION	Panel-Type	50HD	Factory Preset
	Boot	ROM	
	STBY-SET	00	
	Emergency	ON	
	Y/C Delay	0	
	OPT 1	00101000	
	OPT 2	11100010	
	OPT 3	00000000	
AGING	RGBW		
	All white (COUNTER)		
	All white		
	All red		
	All green		
	All blue		
	ON/OFF		
	Diagonal lamp W		
	Diagonal lamp R		
	Diagonal lamp G		
	Diagonal lamp B		
	1% WINDOW		
	COLOR BAR		
	A B zone/checkerd 4 trio		
	SCROLL BAR		
	2dot width border		
SRV-TOOL			see next

Destinations	H	M	MT	MR	AZ
	ASIA	M.East	Thailand	IRAN	New Zealand
OPTION1	28	28	28	28	28
OPTION2	E2	E2	E2	E2	E2
OPTION3	6F	6F	6F	6F	6F

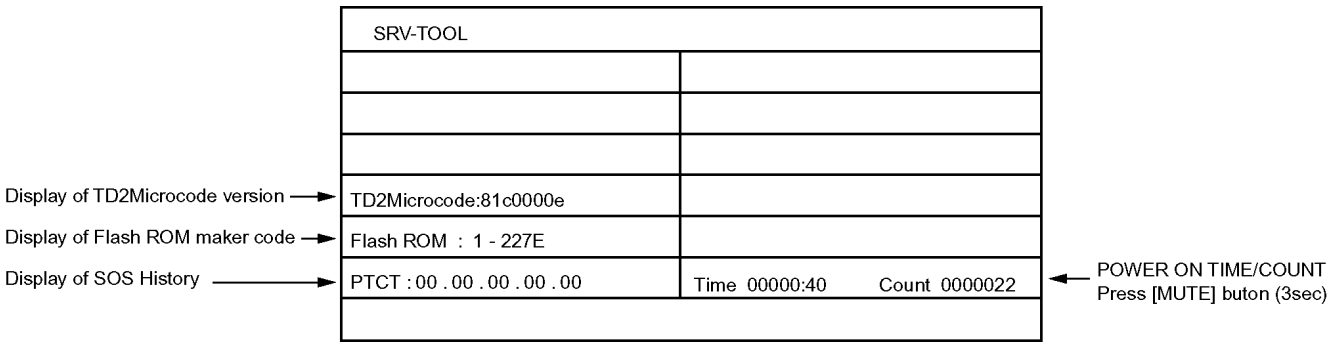
10.1.3. How to exit

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

10.2. Service tool mode

10.2.1. How to access

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



10.2.2. 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 will be cleared by “Self-check indication and forced to factory shipment setting”.

10.2.3. POWER ON TIME/COUNT

Time : Cumulative power on time, indicated hour : minute by decimal

Count : Number of On times by decimal

Note : This indication will not cleared by self-check or any command.

10.2.4. Exit

1. Disconnect the AC code from wall outlet.

11 Adjustment Procedure

11.1. Driver Set-up

11.1.1. Item / Preparation

1. Input a white signal to plasma video input.
2. Set the picture controls as follows.

   Picture menu: Dynamic

   PNR: OFF

   Aspect: 16:9

Caution

1. First perform Vsus adjustment.
2. Confirmation of Vscn voltage should be performed after confirmation of Vad adjustment.

   When Vad=-105V, Voltage of Vscn is 40V ±4V.

11.1.2. Adjustments

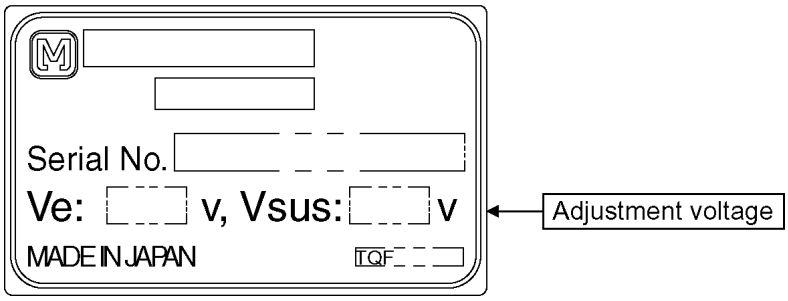
Adjust driver section voltages referring the panel data on the panel data label.

Check or adjust the following voltages with the multimeter.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	Vsus ± 2V	VR251 (P)	*
Ve	TPVE (SS)	Ve ± 1V	VR6000 (SS)	*
Vset	TPVSET (SC)	330V ± 7V	Fixed	
Vad	TPVAD (SC)	-105V ± 1V	VR6600 (SC)	
Vscn	TPVSCN (SC)	Vad+145V ± 4V	Fixed	
Vda	TPVDA (SS)	75V ± 1V, -2V	Fixed	
Vbk	TPVBK (SC)	155V ± 1V	VR6604 (SC)	

*See the Panel label.

Panel Label information

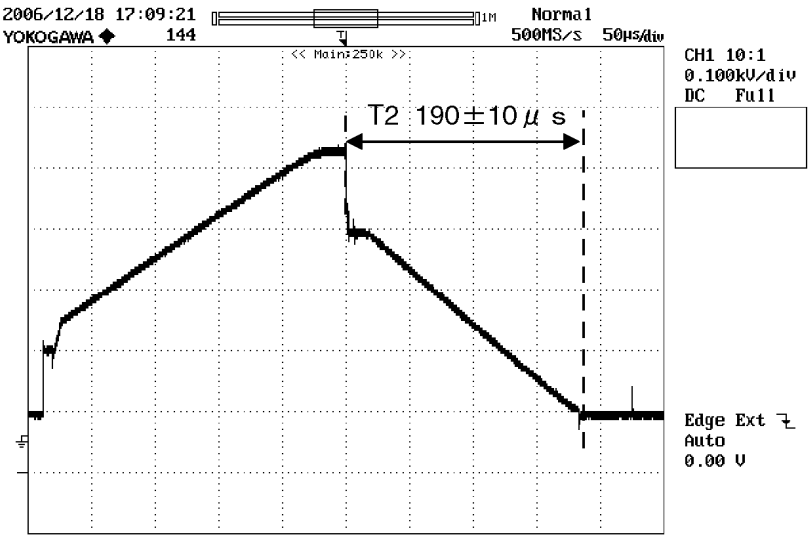


11.2. Initialization Pulse Adjust

1. Input the White signal to plasma video input.
2. Set the picture controls as follows.
   Picture menu : Dynamic
   PNR: OFF
   Aspect : 16:9
3. Connect Oscilloscope to TPSC1 (SC).
   Check and adjust that the stand down pulse(T2) period are each within specification.

	Test point	Volume	Level
T2	TPSC1 (SC)	VR6602 (SC)	185 ± 10μ Sec

TPSC1



11.3. P.C.B. (Printed Circuit Board) exchange

11.3.1. Caution

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

11.3.2. Quick adjustment after P.C.B. exchange

Adjust the following voltages with the multimeter.

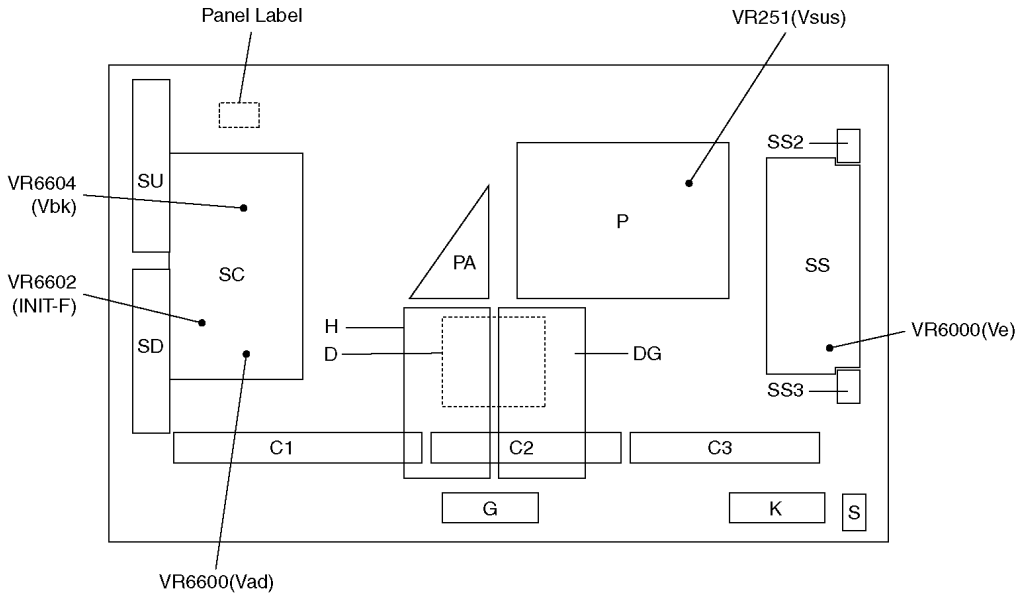
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	Vsus ± 2V	VR251 (P)	*
SC Board	Vad	TPVAD (SC)	-105V ± 1V	VR6600 (SC)	
SC Board	Vbk	TPVBK (SC)	155V ± 1V	VR6604 (SC)	
	Ve	TPVE (SS)	Ve ± 1V	VR6000 (SS)	*
D, DG Board	White balance and Sub brightness for NTSC, PAL, HD, PC and 625i signals				

*See the Panel label.

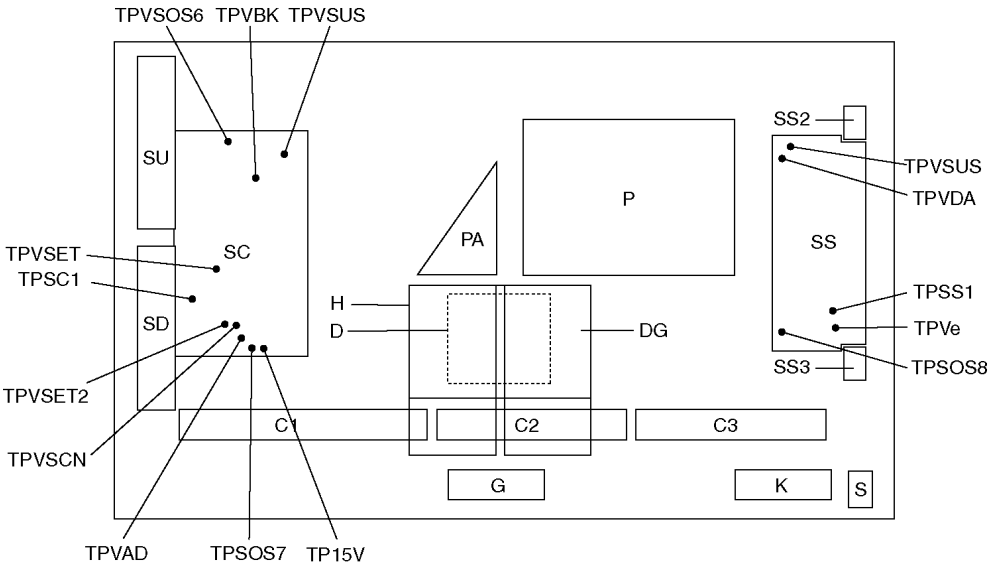
Caution:

Absolutely do not reduce Vsus below Ve not to damage the P.C.B.

11.4. Adjustment Volume Location

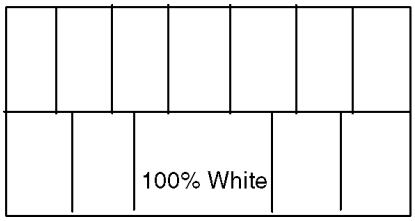
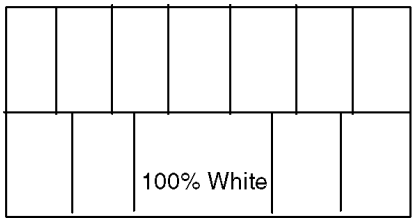
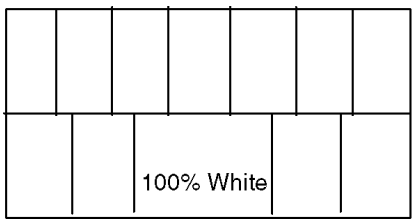


11.5. Test Point Location



12 Adjustment

12.1. Sub-Contrast adjustment

Name of measuring instrument	Connection	Remarks
RF generator Base Band generator		
Preparation (AV)		Remarks
1. Receive AV1 (PAL 100% Full White or Split Colour bar shown as below) .  2. Goes into service mode. 3. Push “1” or “2” key, and goes into service mode for “Sub-Contrast”.		
Adjustment of AV system		Remarks
1. The colour key yellow button of remote control is pushed. 2. The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) 3. The OSD character of sub-contrast returns to black. 4. End.		
Preparation (RF)		Remarks
1. Receive RF (PAL 100% Full White or Split Colour bar shown as below.)  2. Goes into service mode. 3. Push “1” or “2” key, and goes into service mode for “Sub-Contrast”.		
Adjustment of RF system		Remarks
1. The colour key yellow button of remote control is pushed. 2. The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) 3. The OSD character of sub-contrast returns to black. 4. End.		
Preparation (HD)		Remarks
1. Receive Component (1080i/ 60Hz or 1080i/ 50Hz, 100% Full White or Split colour bar as shown below.)  2. Goes into service mode. 3. Push “1” or “2” key, and goes into service mode for “Sub-Contrast”.		
Adjustment of HD system		Remarks
1. The colour key yellow button of remote control is pushed. 2. The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) 3. The OSD character of sub-contrast returns to black. 4. End.		

12.2. PAL panel white balance adjustment

Instrument Name	Connection	Remarks
・W/B pattern ・Color analyzer (Minolta CA-100 or equivalent)	RF input Panel surface	User setting: Normal

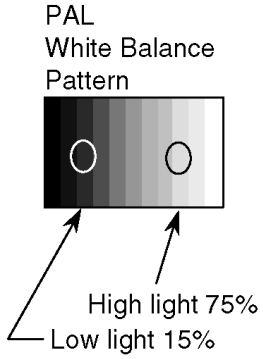
Procedure	Remarks
・Asing time is longer than 15min. ・Make sure the front panel to be used on the final set is fitted. ・Make sure a color signal is not being shown before adjustment. ・Put the color analyzer where there is little colour variation. Complete the adjustment within 10 minutes after the turn on electricity. Turn on the power supply again when it is not possible to complete it by aging etc. 1. Display the white balance pattern. 2. Enter the Service mode. 3. A number key “1” and “2” are operated and “WB-ADJ” is displayed. Check that the color balance is “HIGH”. 4. Select “G-CUTOFF” item, using the number-key “3” or “4”, and set to “80”, using the volume-key “+” or “-”. Also, “B-CUTOFF” and “R-CUTOFF” set to “80”. 5. Set “G-DRIVE” at “D0”. 6. Touch the signal receiver of color analyzer to the highlight window’s center, and adjust B drive and R drive so x, y become the “COLOR TEMP HIGH” in the below table. 7. All RGB drive increase so that the maximum drive value of RGB may become “FC”. (“ALL-DRIVE” set to “FC”.) 8. Set color balance to NORMAL using “7” key. 9. Fix G cutoff , B cutoff and R cutoff at “80”. 10. Fix G drive at “D0”. 11. Adjust B drive and R drive so the highlight window’s x, y become the “COLOR TEMP NORMAL” in the below table. 12. All RGB drive increase so that the maximum drive value of RGB may become “FC”. (“ALL-DRIVE” set to “FC”.) 13. Set color balance to “LOW” using “7” key. 14. Fix G cutoff, B cutoff and R cutoff to “80”. 15. Fix G drive to “D0”. 16. Adjust B drive and R drive so the highlight window’s x, y become the “COLOR TEMP LOW” shown in the below table. 17. All RGB drive increase so that the maximum drive value of RGB may become “FC”. (“ALL-DRIVE” set to “FC”.)	Picture menu : Dynamic ASPECT : 16:9 ・Highlight section Signal amplitude 75% 

Table 1. Color temp target value

COLOR TEMP	x	y
HIGH	0.276	0.276
NORMAL	0.288	0.296
LOW	0.313	0.329

12.3. HD white balance adjustment

Instrument Name	Connection	Remarks
・1080i W/B Pattern ・Color analyzer (Minolta CA-100 or equivalent)	・RF input ・Panel surface	User setting: Normal

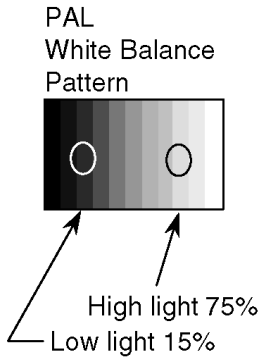
Procedure	Remarks
・Asing time is longer than 15min. ・Make sure the front panel to be used on the final set is fitted. ・Make sure a color signal is not being shown before adjustment. ・Put the color analyzer where there is little colour variation. Complete the adjustment within 10 minutes after the turn on electricity. Turn on the power supply again when it is not possible to complete it by aging etc. 1. Display the white balance pattern. 2. Enter the service mode. 3. A number key “1” and “2” are operated and “WB-ADJ” is displayed. Check that the color balance is “HIGH”. 4. Select “G-CUTOFF” item, using the number-key “3” or “4”, and set to “80”, using the volume-key “+” or “-”. Also, “B-CUTOFF” and “R-CUTOFF” set to “80”. 5. Set “G-DRIVE” at “D0”. 6. Touch the signal receiver of color analyzer to the highlight window’s center, and adjust B drive and R drive so x, y become the “Color balance Cool” in the below table. 7. All RGB drive increase so that the maximum drive value of RGB may become “FC”. (“ALL-DRIVE” set to “FC”.) 8. Set color balance to NORMAL using “7” key. 9. Fix G cutoff , B cutoff and R cutoff at “80”. 10. Fix G drive at “D0”. 11. Adjust B drive and R drive so the highlight window’s x, y become the “Color balance “Normal” in the below table. 12. All RGB drive increase so that the maximum drive value of RGB may become “FC”. (“ALL-DRIVE” set to “FC”.) 13. Set color balance to “LOW”. 14. Fix G cutoff, B cutoff and R cutoff to “80”. 15. Fix G drive to “D0”. 16. Adjust B drive and R drive so the highlight window’s x, y become the “Color balance Warm” shown in the below table. 17. All RGB drive increase so that the maximum drive value of RGB may become “FC”. (“ALL-DRIVE” set to “FC”.)	Picture menu: Dynamic ASPECT:16:9 ・Highlight section Signal amplitude 75%  * The Color balance COOL differs from Japanese model values.

Table 1. Color temp target value

COLOR TEMP	x	y
HIGH	0.276	0.276
NORMAL	0.288	0.296
LOW	0.313	0.329

13 Hotel mode

1. Purpose

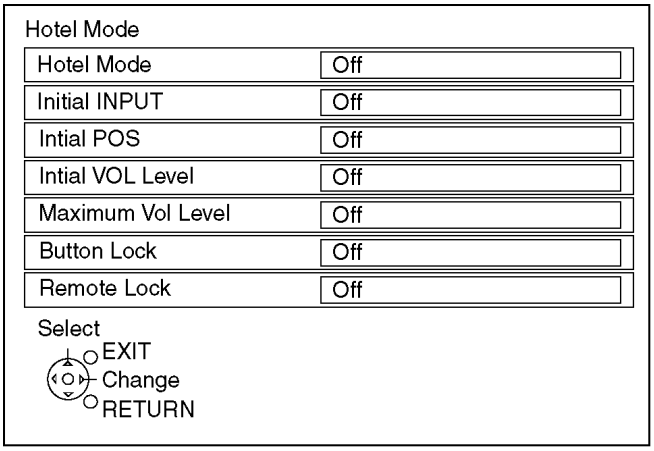
   Restrict a function for hotels.

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] : TV/AV (3 times)

   Then, the Hotel mode setup menu is displayed.



3. To exit the Hotel mode setup menu

   Disconnect AC power code from wall outlet.

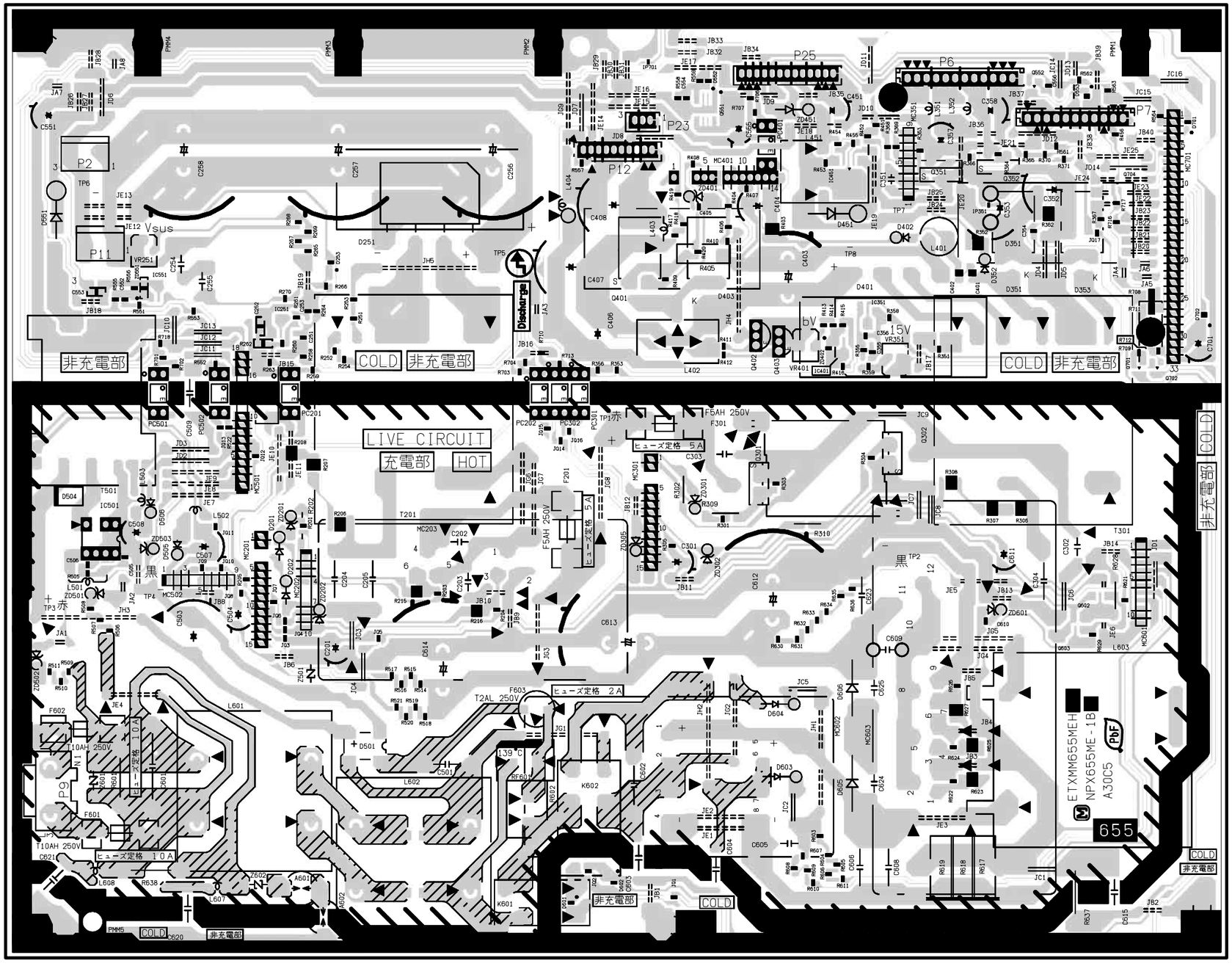
4. Explain the Hotel mode setup menu

item	Function
Hotel Mode	Select hotel mode ON/OFF
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off/TV/AV1/AV2/AV3/AV4/COMPONENT/PC/HDMI1/HDMI2 ・Off: give priority to a last memory. ・PC: selectable with VGA option
Initial POS	Select programme number. Selection : Off/0 to 99 ・Off: give priority to a last memory
Initial VOL level	Adjust the volume when each time power is switched on. Selection/Range : Off/0 to 63 ・Off: give priority to a last memory
Maximum VOL level	Adjust maximum volume. Range : 0 to 63
Button lock	Select local key conditions. Selection : Off/SETUP/MENU/All ・Off: altogether valid ・SETUP: only F-key is invalid (Tuning guide(menu) can not be selected.) ・MENU: only F-key is invalid (only Volume/Mute can be selected.) ・ALL: altogether invalid.
Remote lock	Select remote control key conditions. Selection : Off/SETUP/MENU ・Off: altogether valid ・SETUP: only Setup menu is invalid ・MENU: Picture/Sound/Setup menu are invalid

14 Conductor Views

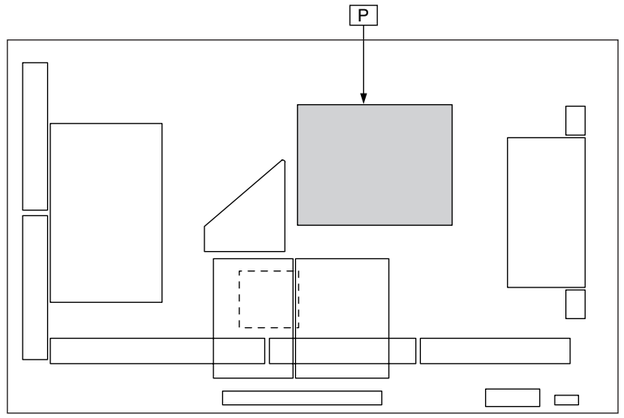
14.1. P-Board

P-BOARD (FOIL SIDE)
ETXMM655MEH



TH-50PV70AZ/H/M/MR/MT
P-BOARD ETXMM655MEH

TH-50PV70AZ/H/M/MR/MT
P-BOARD ETXMM655MEH



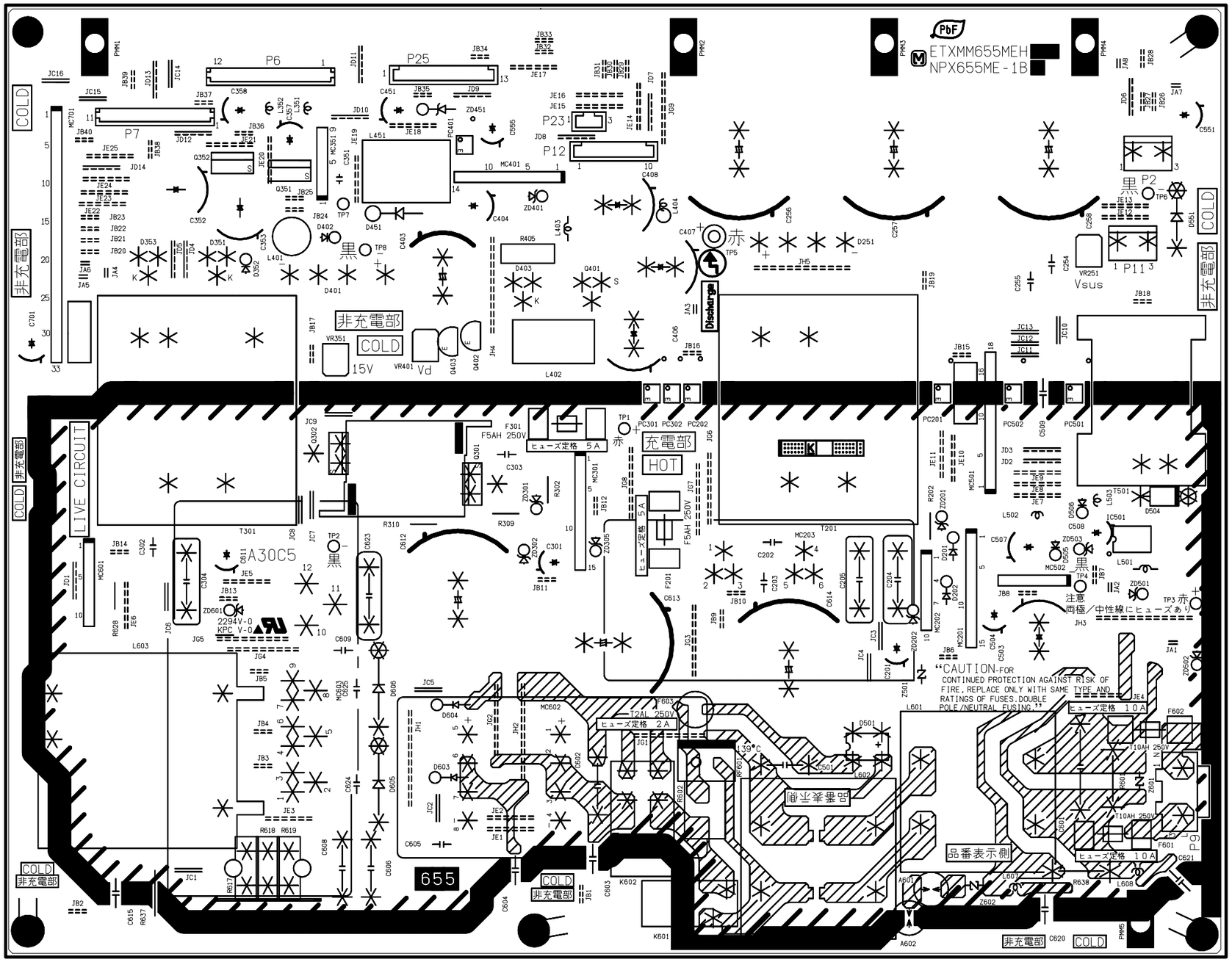
Parts Location

P-BOARD (FOIL SIDE)					
IC		**TRANSISTOR**		**PHOTO COUPLER**	
IC251	C-4	Q301	F-3	PC201	C-4
IC351	F-4	Q302	F-4	PC202	D-4
IC401	F-4	Q351	G-5	PC301	E-4
IC451	F-5	Q352	G-5	PC302	E-4
IC501	B-3	Q401	E-4	PC401	F-5
IC551	B-5	Q402	F-4	PC501	B-4
MODULE		Q403	F-4	PC502	C-4
MC201	C-3	Q551	E-5	**VOLUME**	
MC202	C-3	Q552	G-6	VR251	B-5
MC203	D-3	Q602	G-3	VR351	F-4
MC301	E-3	Q603	G-2	VR401	F-4
MC351	F-5	Q701	H-4		
MC401	E-5	Q702	H-4		
MC501	C-4	Q704	H-5		
MC502	B-3				
MC601	H-3				
MC602	F-2				
MC603	F-2				
MC701	H-5				

Parts Location

P-BOARD (COMPONENT SIDE)					
IC		**TRANSISTOR**		**PHOTO COUPLER**	
IC501	H-3	Q301	D-4	PC201	G-4
MODULE		Q302	C-4	PC202	E-4
MC201	G-3	Q351	C-5	PC301	E-4
MC202	G-3	Q352	C-5	PC302	E-4
MC203	F-3	Q401	E-5	PC401	D-5
MC301	E-3	Q402	D-4	PC501	H-4
MC351	C-5	Q403	D-4	PC502	G-4
MC401	D-5			**VOLUME**	
MC501	G-4			VR251	H-5
MC502	G-3			VR351	C-4
MC601	B-3			VR401	D-4
MC602	E-2				
MC603	C-2				
MC701	B-5				

P-BOARD (COMPONENT SIDE)
ETXMM655MEH

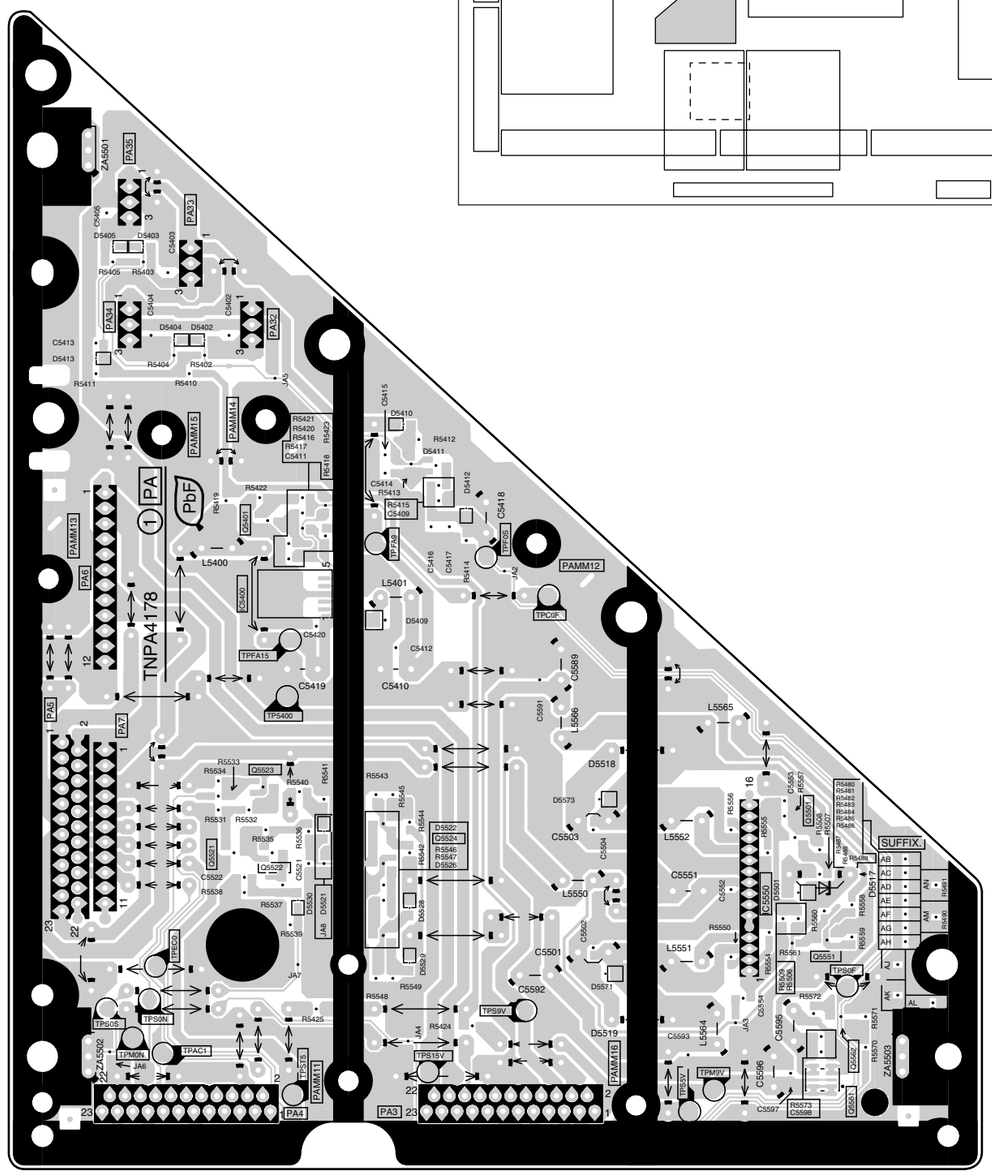


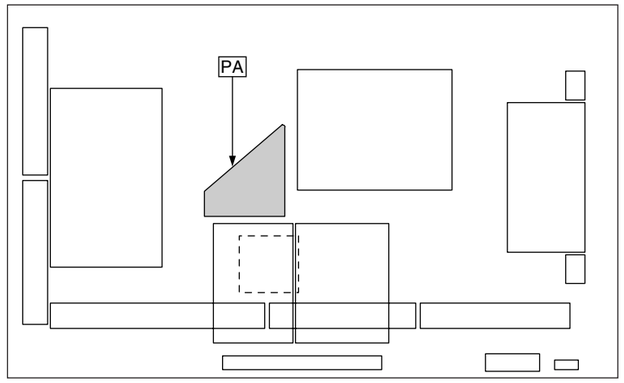
TH-50PV70AZ/H/M/MR/MT
P-BOARD ETXMM655MEH

TH-50PV70AZ/H/M/MR/MT
P-BOARD ETXMM655MEH

14.2. PA-Board

PA-BOARD (FOIL SIDE)
TNPA4178AG

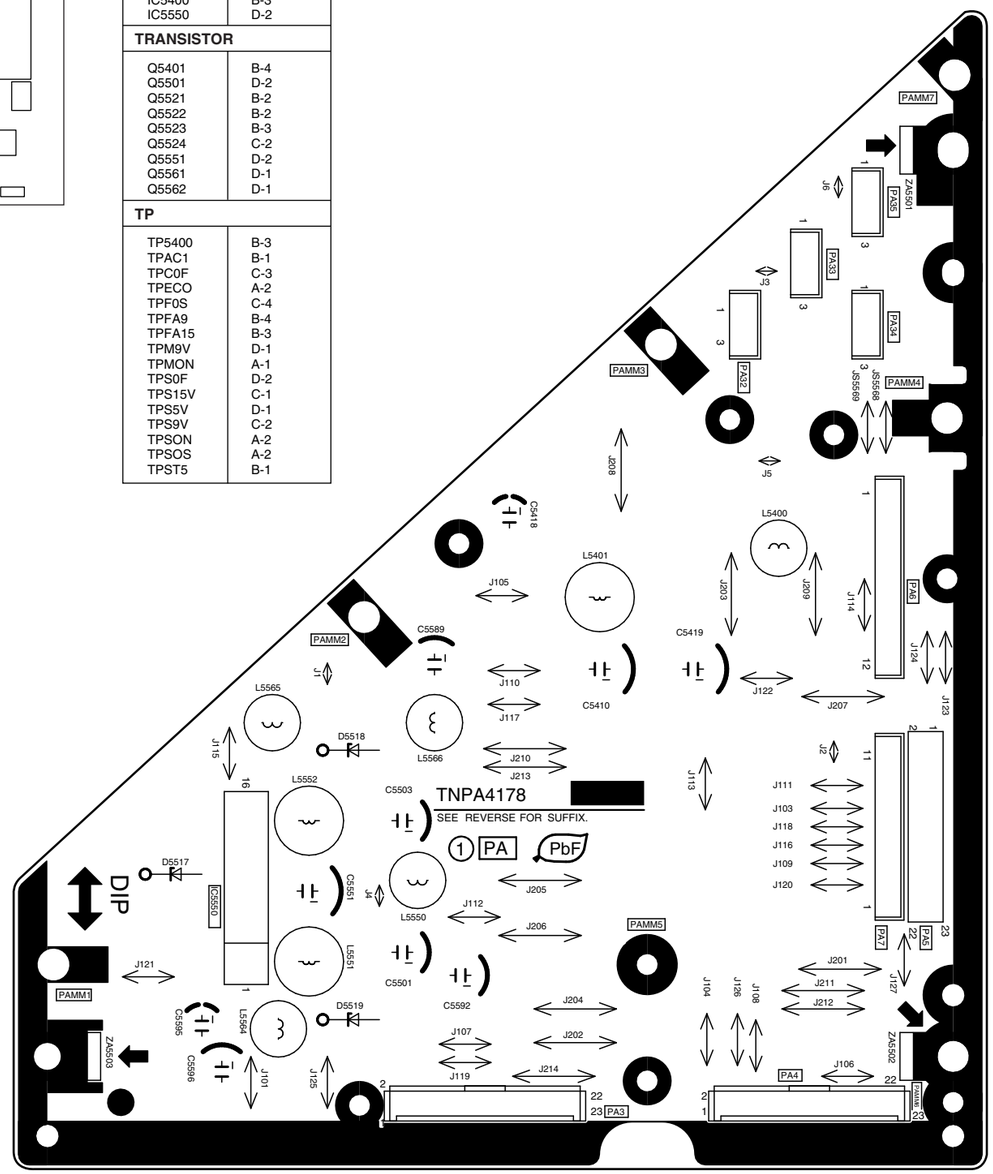




Parts Location

PA-BOARD	
IC	
IC5400	B-3
IC5550	D-2
TRANSISTOR	
Q5401	B-4
Q5501	D-2
Q5521	B-2
Q5522	B-2
Q5523	B-3
Q5524	C-2
Q5551	D-2
Q5561	D-1
Q5562	D-1
TP	
TP5400	B-3
TPAC1	B-1
TPC0F	C-3
TPECO	A-2
TPF0S	C-4
TPFA9	B-4
TPFA15	B-3
TPM9V	D-1
TPMON	A-1
TPS0F	D-2
TPS15V	C-1
TPS5V	D-1
TPS9V	C-2
TPSON	A-2
TPSOS	A-2
TPST5	B-1

PA-BOARD (COMPONENT SIDE)
TNPA4178AG

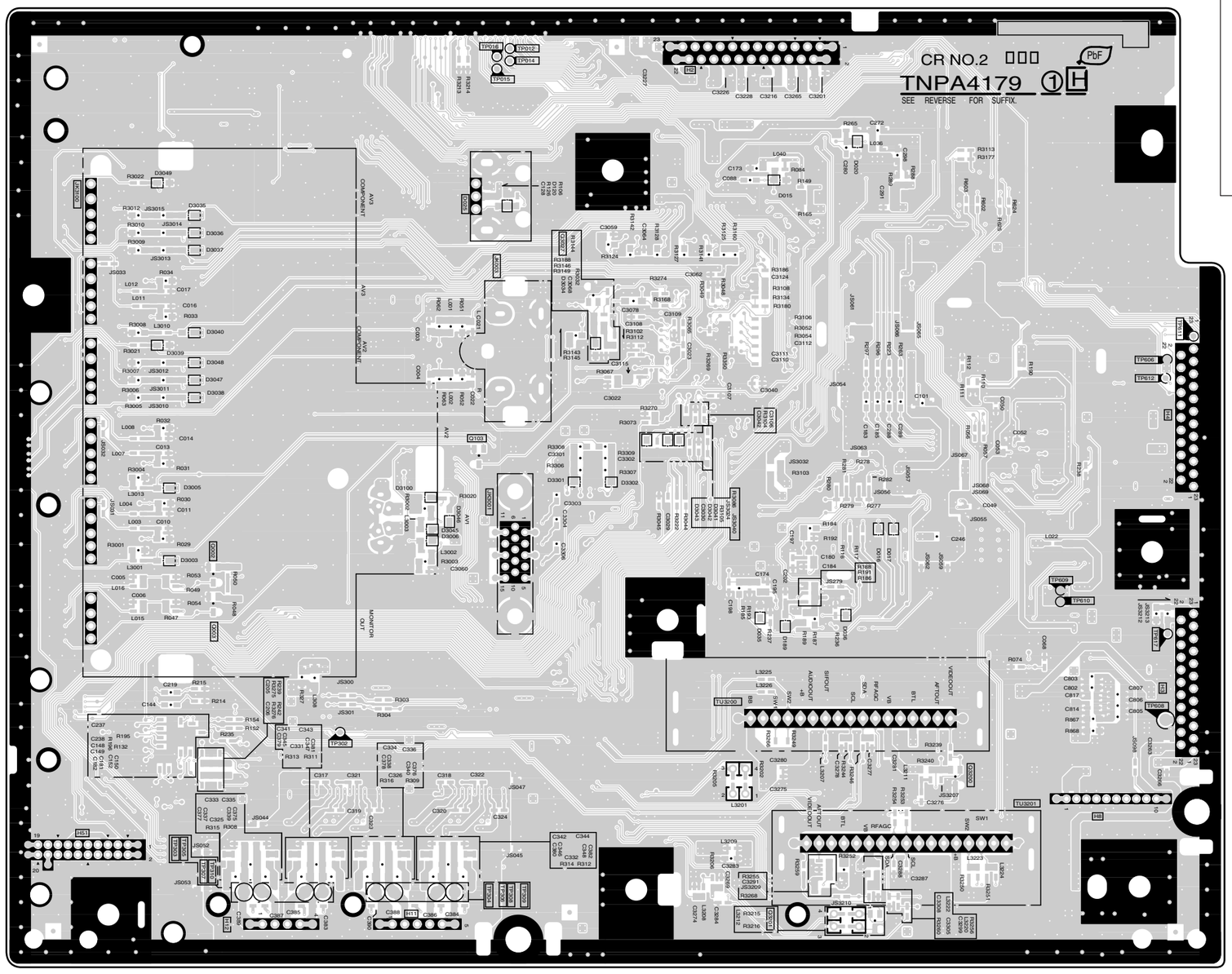


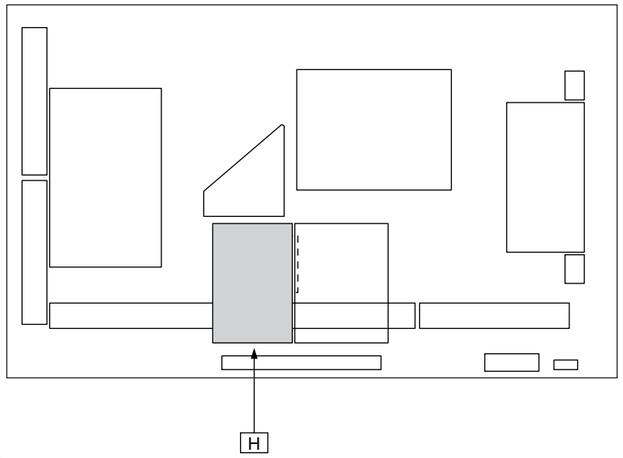
TH-50PV70AZ/H/M/MR/MT
PA-BOARD TNPA4178AG

TH-50PV70AZ/H/M/MR/MT
PA-BOARD TNPA4178AG

14.3. H-Board

H-BOARD (FOIL SIDE)
TNPA4179AJ





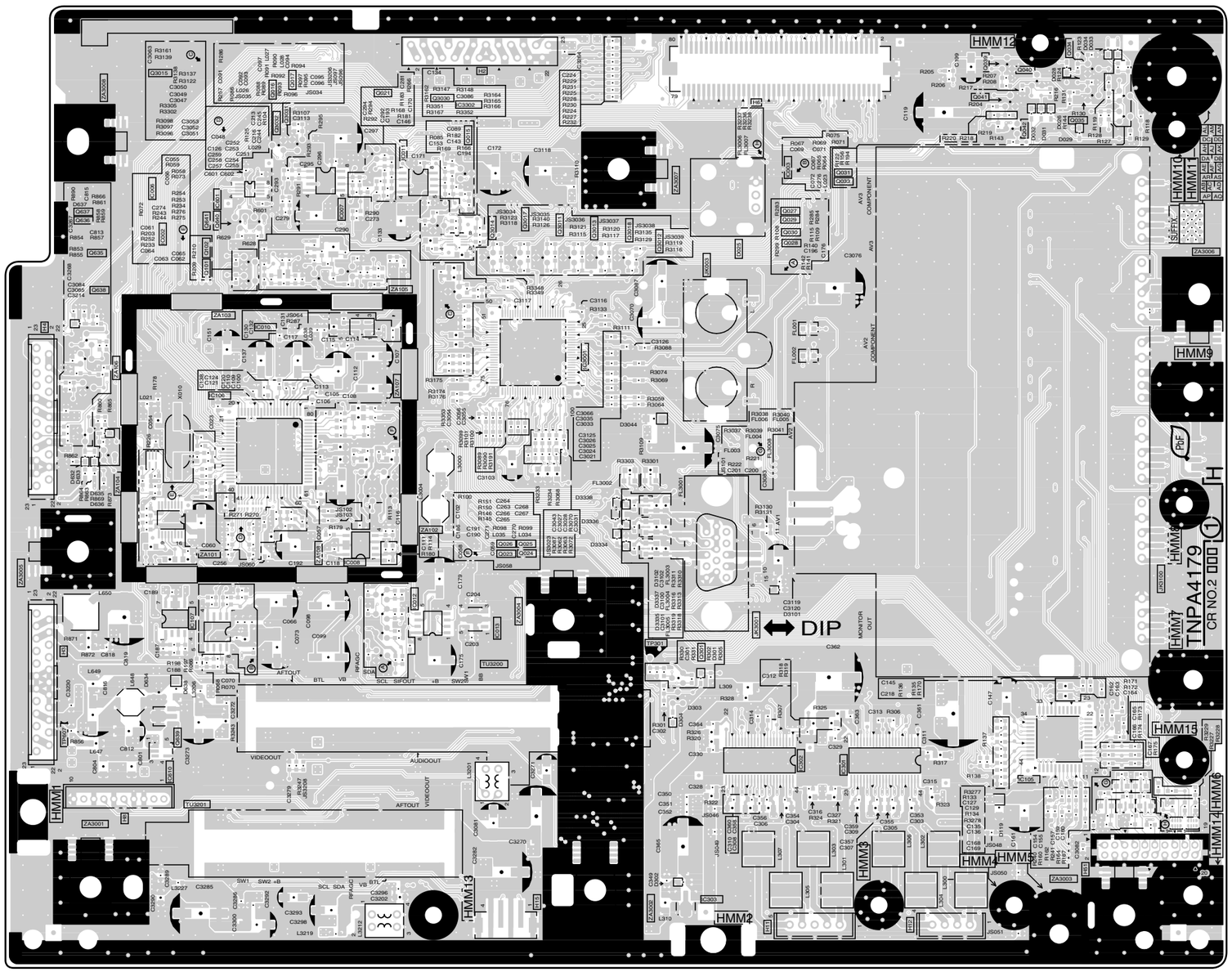
Parts Location

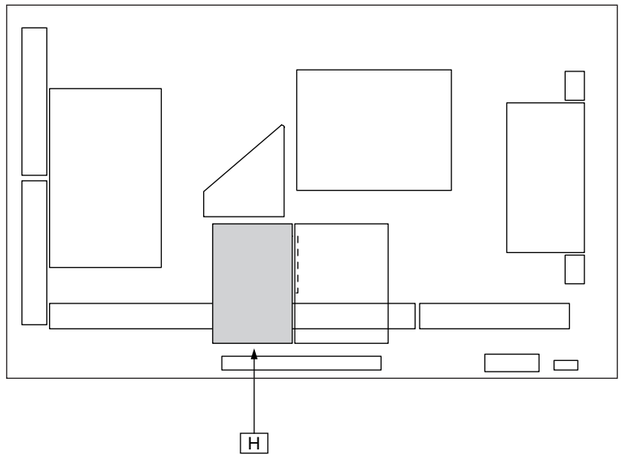
H-BOARD (FOIL SIDE)					
TRANSISTOR		**TP**		TP3001	B-5
Q2002	C-4	TP2012	C-5	TP3003	B-5
Q2003	C-4	TP2014	D-5	TP3004	A-2
Q2004	A-3	TP2015	D-5	TP3004	C-5
Q2005	A-3	TP2016	D-5	TP3005	B-5
Q2006	A-4	TP2017	D-5	TP3006	C-5
Q2007	A-4	TP2018	D-5	TP3007	B-5
Q2008	A-4	TP2019	D-5	TP3008	C-5
Q2009	A-4	TP2020	C-5	TP3009	C-5
Q2103	C-3	TP2021	B-2	TP3010	C-5
Q3027	C-3	TP2022	A-2	TP3011	B-5
Q3028	D-4	TP2023	A-2	TP3012	C-5
Q3029	C-4	TP2024	A-2	TP3013	B-5
Q3200	F-2	TP2302	B-2	TP3014	C-5
		TP2303	B-1	TP3015	C-5
		TP2304	C-2	TP3016	B-5
		TP2305	B-1	TP3017	C-5
		TP2306	C-2	TP3020	C-5
		TP2307	B-2	TP3021	B-5
		TP2308	C-1	TP3022	C-5
		TP2309	C-1	TP3023	C-5
		TP2310	B-2	TP3024	C-5
		TP2606	F-4	TP3025	C-5
		TP2608	F-2	TP3031	A-2
		TP2609	F-3	TP3032	A-2
		TP2610	F-3	TP3033	A-2
		TP2611	H-4		
		TP2612	F-4		
		TP2613	E-5		
		TP2614	E-5		
		TP2615	D-5		
		TP2616	D-5		
		TP2617	F-2		

TH-50PV70AZ/H/M/MR/MT
H-BOARD TNPA4179AJ

TH-50PV70AZ/H/M/MR/MT
H-BOARD TNPA4179AJ

H-BOARD (COMPONENT SIDE)
TNPA4179AJ





Parts Location

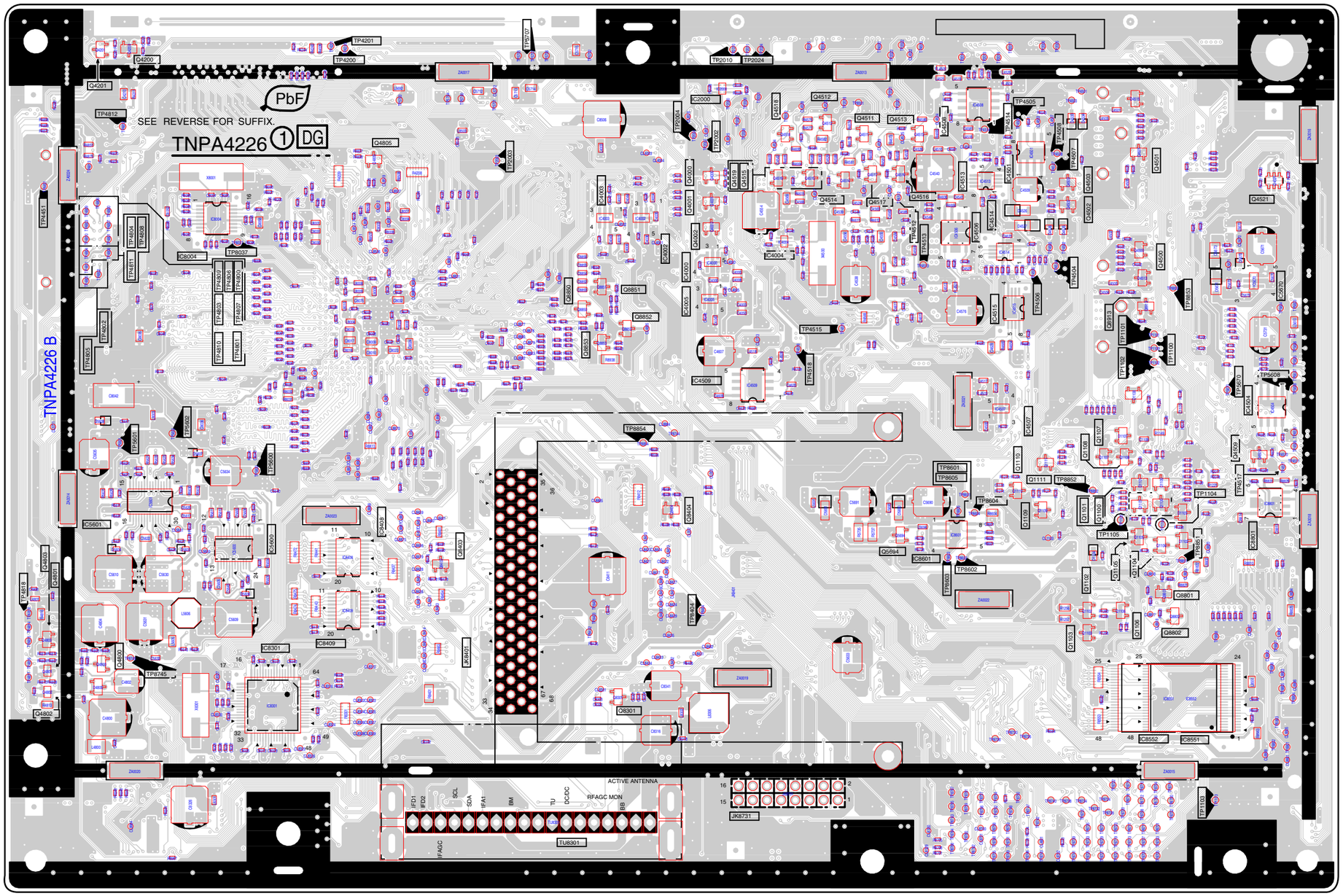
H-BOARD (COMPONENT SIDE)					
IC		**TRANSISTOR**		**TP**	
IC2002	B-2	Q2015	C-5	TP2301	D-1
IC2003	B-1	Q2016	B-5	TP2607	A-2
IC2006	B-1	Q2017	B-5		
IC2007	B-5	Q2021	C-5		
IC2008	B-3	Q2023	B-1		
IC2010	B-4	Q2024	B-1		
IC2011	C-5	Q2025	B-1		
IC2012	C-2	Q2026	B-1		
IC2013	C-2	Q2027	C-2		
IC2106	B-4	Q2028	C-1		
IC2107	B-3	Q2029	C-2		
IC2301	E-2	Q2030	C-1		
IC2302	D-2	Q2031	F-5		
IC2303	D-1	Q2033	F-5		
IC2601	B-5	Q2034	F-5		
IC2610	B-2	Q2035	F-5		
IC3001	C-4	Q2039	F-5		
IC3002	C-5	Q2040	F-5		
IC3101	F-2	Q2041	F-5		
		Q2042	F-5		
		Q2101	B-4		
		Q2102	B-4		
		Q2301	D-2		
		Q2635	A-4		
		Q2636	A-4		
		Q2637	A-5		
		Q2638	A-4		
		Q2639	B-2		
		Q2640	B-5		
		Q2641	B-5		
		Q3011	C-5		
		Q3012	D-5		
		Q3013	D-5		
		Q3014	C-5		
		Q3015	A-5		
		Q3017	C-5		
		Q3018	D-5		
		Q3030	C-5		
		Q3031	B-5		
		Q3032	B-5		

TH-50PV70AZ/H/M/MR/MT
H-BOARD TNPA4179AJ

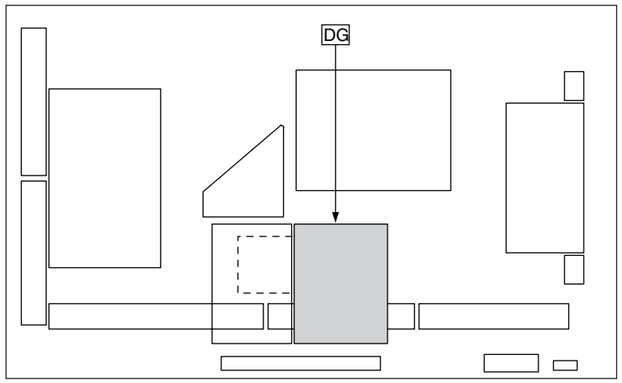
TH-50PV70AZ/H/M/MR/MT
H-BOARD TNPA4179AJ

14.4. DG-Board

DG-BOARD (FOIL SIDE)
TXNDG1HPTP (TH-50PV70AZ)
TXNDG1HPTH (TH-50PV70H)
TXNDG1HMTM (TH-50PV70M/MT)
TXNDG1HMTX (TH-50PV70MR)



TH-50PV70AZ	TH-50PV70H	TH-50PV70M/MT	TH-50PV70MR	TH-50PV70AZ	TH-50PV70H	TH-50PV70M/MT	TH-50PV70MR
DG-BOARD TXNDG1HPTP	DG-BOARD TXNDG1HPTH	DG-BOARD TXNDG1HMTM	DG-BOARD TXNDG1HMTX	DG-BOARD TXNDG1HPTP	DG-BOARD TXNDG1HPTH	DG-BOARD TXNDG1HMTM	DG-BOARD TXNDG1HMTX
A	B	C	D	E	F	G	H	I



Parts Location

DG-BOARD (FOIL SIDE)

IC		TRANSISTOR		TP	
IC2000	E-5	Q1100	G-3	TP1100	H-4
IC4000	E-4	Q1101	G-3	TP1101	G-4
IC4002	E-4	Q1102	G-3	TP1102	G-4
IC4003	D-5	Q1103	G-2	TP1103	H-1
IC4004	E-4	Q1104	G-3	TP1104	H-3
IC4005	E-4	Q1105	G-3	TP1105	G-3
IC4501	G-5	Q1106	G-2	TP2002	E-5
IC4504	H-4	Q1107	G-3	TP2003	D-5
IC4506	G-5	Q1108	G-3	TP2004	E-5
IC4507	G-3	Q1109	G-3	TP2010	E-6
IC4508	F-5	Q1110	G-3	TP2024	E-6
IC4509	E-4	Q1111	G-3	TP4200	C-6
IC4513	F-5	Q4000	E-5	TP4201	C-6
IC4514	G-5	Q4001	E-5	TP4451	A-5
IC4515	G-4	Q4002	E-4	TP4504	G-4
IC5600	C-3	Q4200	B-6	TP4505	G-5
IC5601	B-3	Q4201	B-5	TP4506	G-4
IC5670	H-4	Q4500	H-4	TP4507	G-5
IC8004	B-4	Q4501	H-5	TP4508	G-5
IC8301	C-2	Q4502	G-5	TP4513	F-4
IC8408	C-3	Q4503	G-5	TP4514	G-5
IC8409	C-2	Q4509	H-3	TP4515	F-4
IC8551	H-2	Q4511	F-5	TP4517	H-3
IC8552	G-2	Q4512	F-5	TP4518	F-4
IC8601	F-3	Q4513	F-5	TP4800	B-4
IC8801	H-3	Q4514	F-5	TP4801	B-4
		Q4515	E-5	TP4801	B-4
		Q4516	F-5	TP4802	B-4
		Q4517	F-5	TP4803	B-4
		Q4518	E-5	TP4804	B-5
		Q4519	E-5	TP4805	B-4
		Q4521	H-5	TP4806	B-4
		Q4800	B-2	TP4807	B-4
		Q4801	A-3	TP4808	B-5
		Q4802	A-2	TP4809	B-4
		Q4803	A-3	TP4810	B-4
		Q4805	C-5	TP4811	B-4
		Q5694	F-3	TP4812	B-5
		Q8301	E-2	TP4818	A-2
		Q8403	D-3	TP5600	C-3
		Q8404	E-3	TP5601	B-3
		Q8801	H-3	TP5602	B-3
		Q8802	H-2	TP5670	H-4
		Q8850	D-4	TP5707	D-6
		Q8851	E-4	TP5808	H-4
		Q8852	E-4	TP8037	B-4
		Q8853	D-4	TP8404	E-2
		Q8913	G-4	TP8601	F-3
				TP8602	F-3
				TP8603	F-3
				TP8604	G-3
				TP8605	F-3
				TP8745	B-2
				TP8852	G-3
				TP8853	H-4
				TP8854	E-3

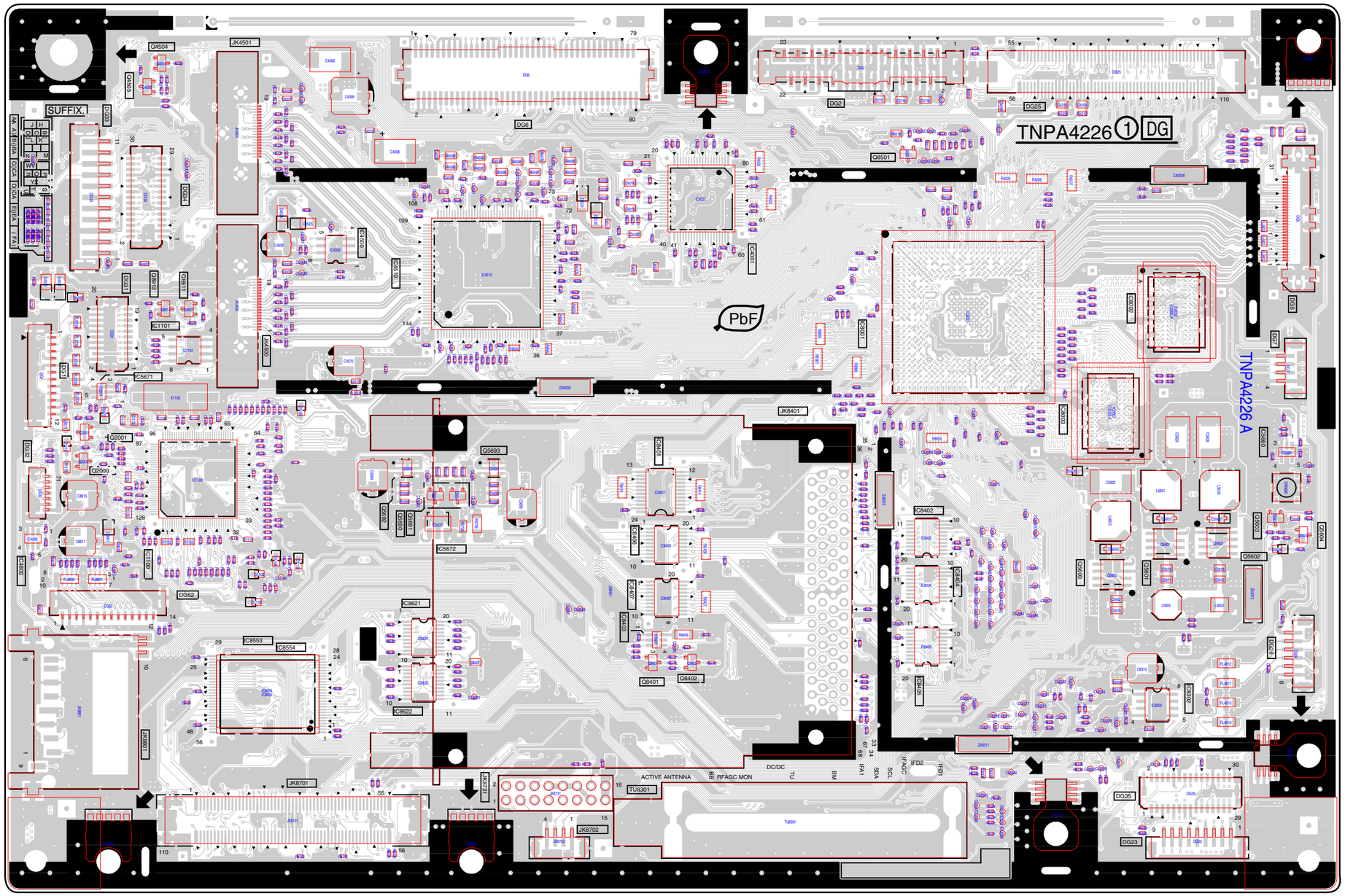
Parts Location

DG-BOARD (COMPONENT SIDE)

IC		TRANSISTOR	
IC1100	B-3	Q2000	B-3
IC1101	B-4	Q2001	B-3
IC4001	E-4	Q4504	B-6
IC4500	C-4	Q4505	B-5
IC4510	C-4	Q5600	G-3
IC4800	A-3	Q5601	H-3
IC5660	H-3	Q5602	H-3
IC5671	B-4	Q5603	H-3
IC5672	D-3	Q5604	H-3
IC8001	F-4	Q5690	C-3
IC8002	G-4	Q5691	C-3
IC8003	G-3	Q5692	C-3
IC8302	H-2	Q5693	D-3
IC8401	E-3	Q8401	E-2
IC8402	F-3	Q8402	E-2
IC8403	E-2	Q8501	F-5
IC8404	F-3	Q8911	B-4
IC8405	F-2	Q8912	B-4
IC8406	E-3		
IC8407	E-3		
IC8553	B-2		
IC8554	C-2		
IC8621	C-2		
IC8622	C-2		

TH-50PV70AZ/H/M/MR/MT
DG-BOARD PARTS LOCATION

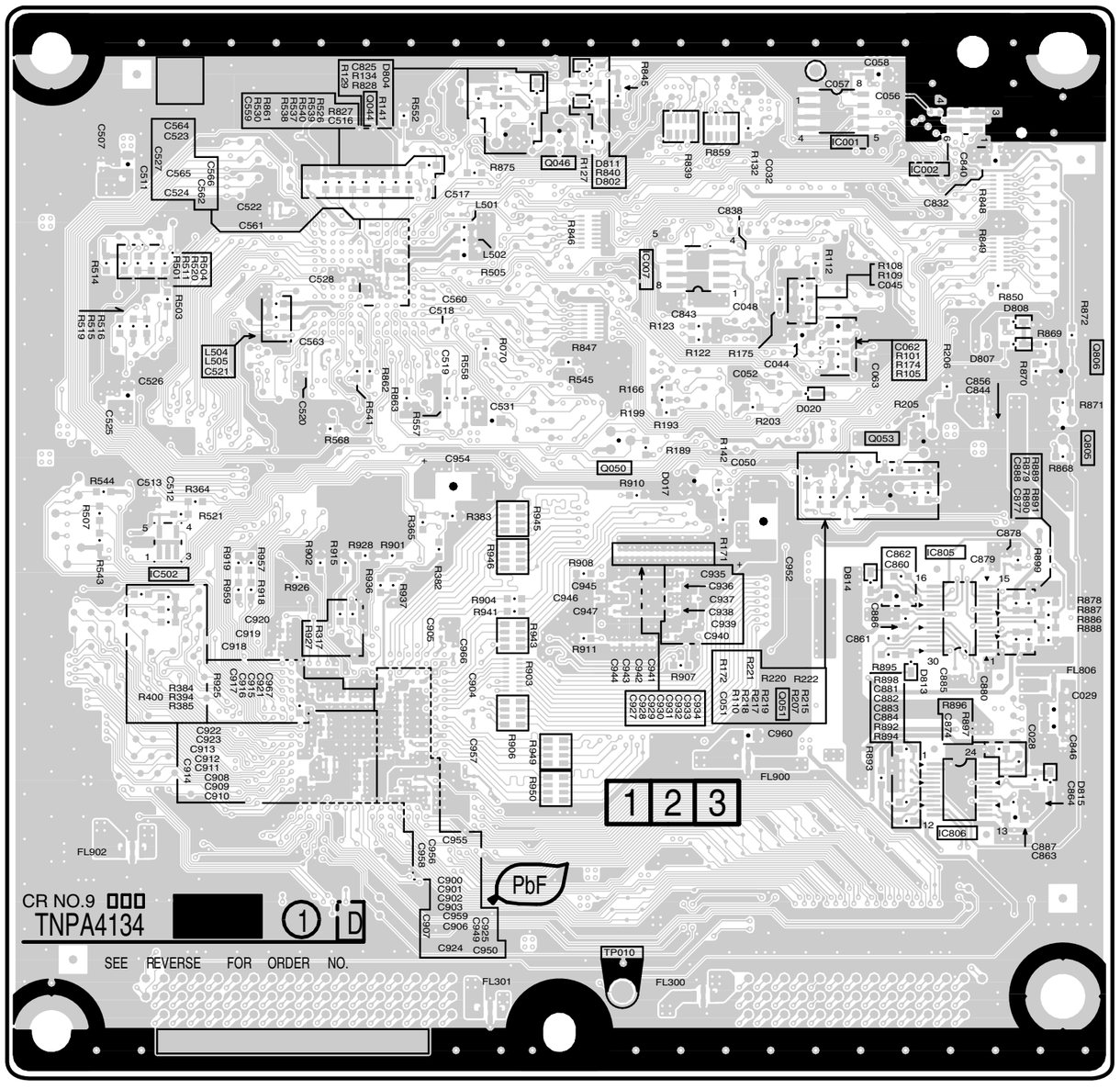
DG-BOARD (COMPONENT SIDE)
TXNDG1HPTP (TH-50PV70AZ)
TXNDG1HPTH (TH-50PV70H)
TXNDG1HMTM (TH-50PV70M/MT)
TXNDG1HMTX (TH-50PV70MR)

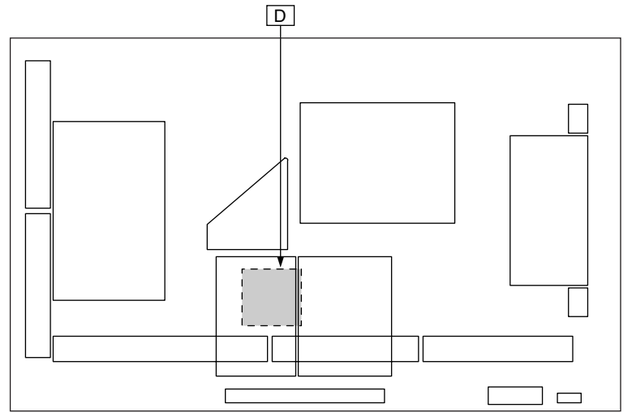


TH-50PV70AZ DG-BOARD TXNDG1HPTP	TH-50PV70H DG-BOARD TXNDG1HPTH	TH-50PV70M/MT DG-BOARD TXNDG1HMTM	TH-50PV70MR DG-BOARD TXNDG1HMTX	TH-50PV70AZ DG-BOARD TXNDG1HPTP	TH-50PV70H DG-BOARD TXNDG1HPTH	TH-50PV70M/MT DG-BOARD TXNDG1HMTM	TH-50PV70MR DG-BOARD TXNDG1HMTX
A	B	C	D	E	F	G	H	I

14.5. D-Board

D-BOARD (FOIL SIDE)
TZTNP01HMTP



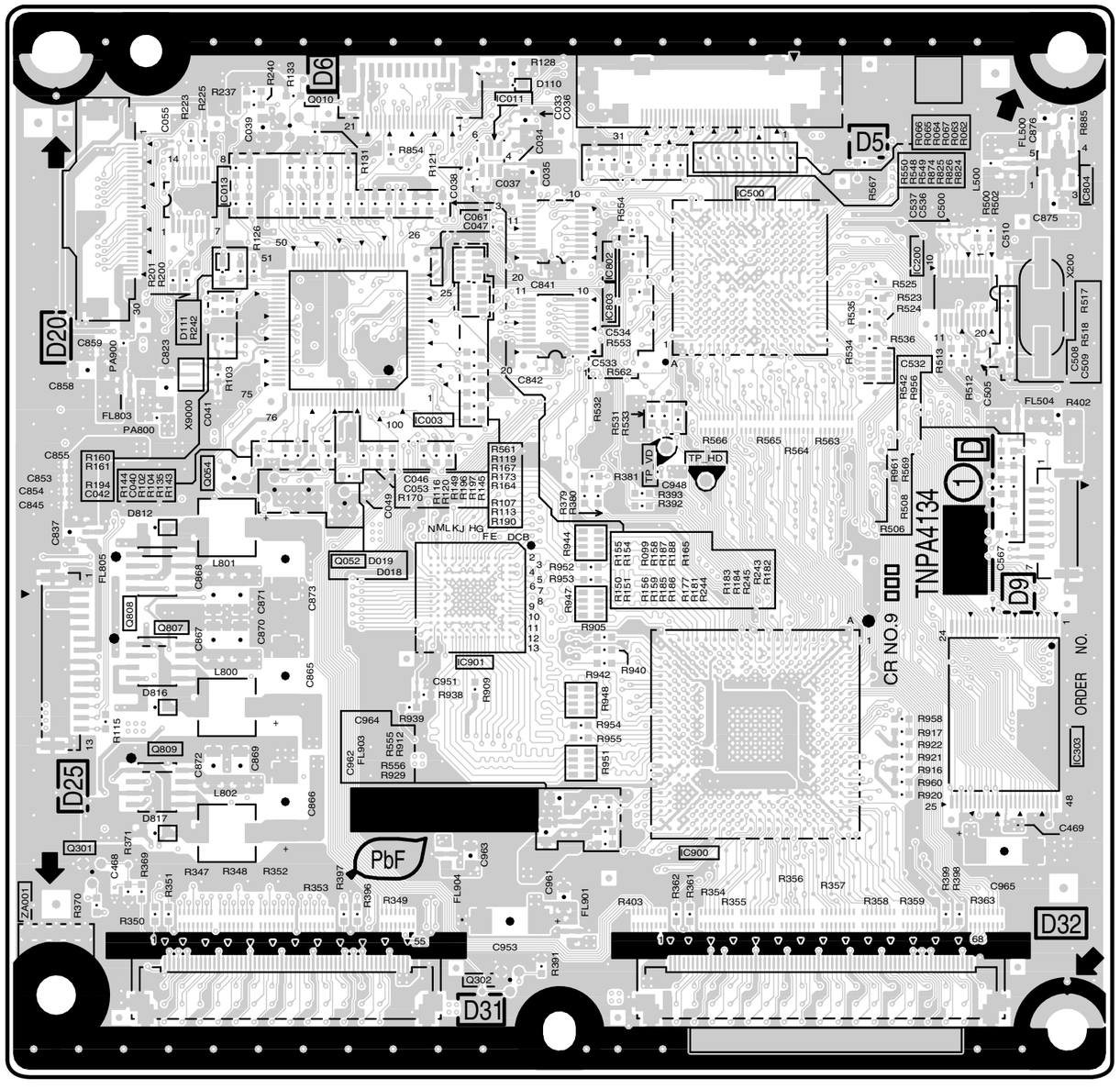


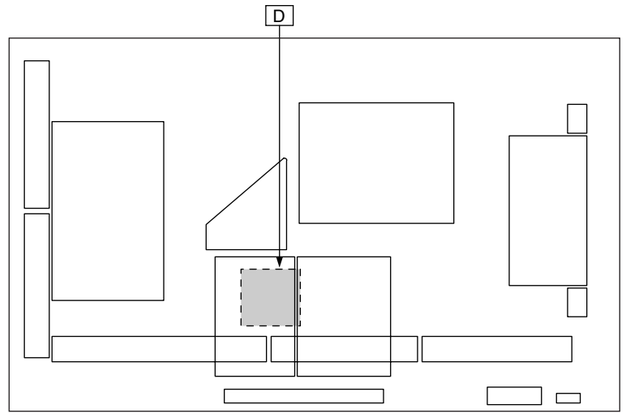
Parts Location

D-BOARD (FOIL SIDE)			
IC		**TRANSISTOR**	
IC9001	E-5	Q9044	C-5
IC9002	E-5	Q9046	D-5
IC9007	D-5	Q9050	D-4
IC9502	C-3	Q9051	E-3
IC9805	E-2	Q9053	E-4
IC9806	E-3	Q9805	F-4
		Q9806	F-4
TEST POINT			
TP010	D-2		

TH-50PV70AZ/H/M/MR/MT
D-BOARD TZTNP01HMTP

D-BOARD (COMPONENT SIDE)
TZTNP01HMTP

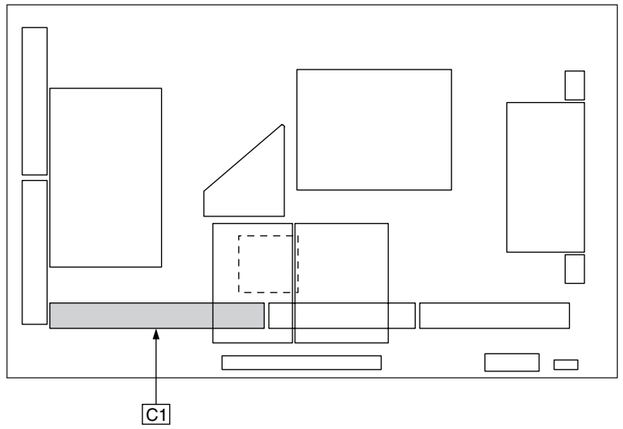




Parts Location

D-BOARD (COMPONENT SIDE)			
IC		**TRANSISTOR**	
IC9003	C-4	Q9010	B-5
IC9011	C-5	Q9052	C-3
IC9013	B-5	Q9054	B-4
IC9200	E-5	Q9301	A-2
IC9303	F-3	Q9302	C-1
IC9500	D-5	Q9807	B-3
IC9802	D-5	Q9808	B-3
IC9803	D-4	Q9809	B-3
IC9804	F-5	**TP**	
IC9900	D-2	TP-HD	D-4
IC9901	C-3	TP-VD	D-4

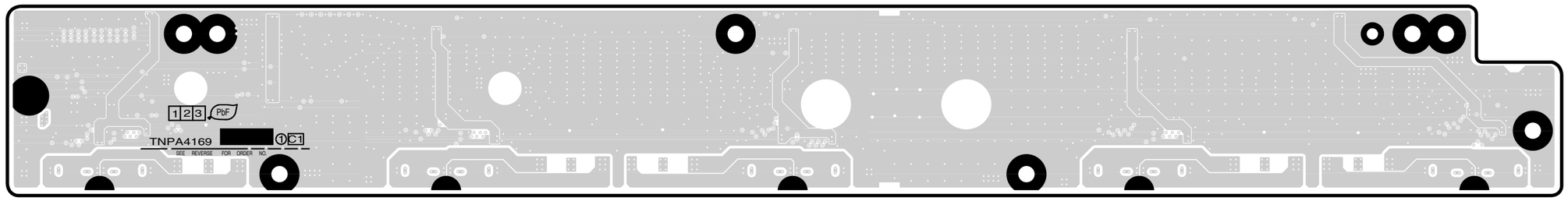
14.6. C1-Board



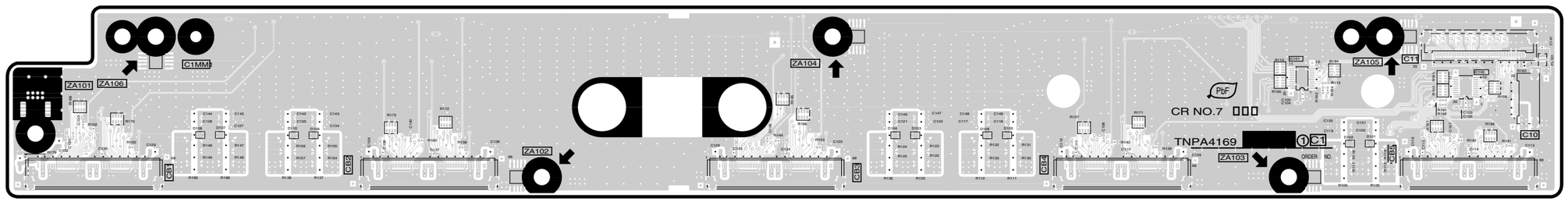
Parts Location

C1-BOARD	
IC	
IC7101 IC7102	H-2 I-2

C1-BOARD (FOIL SIDE)
TNPA4169



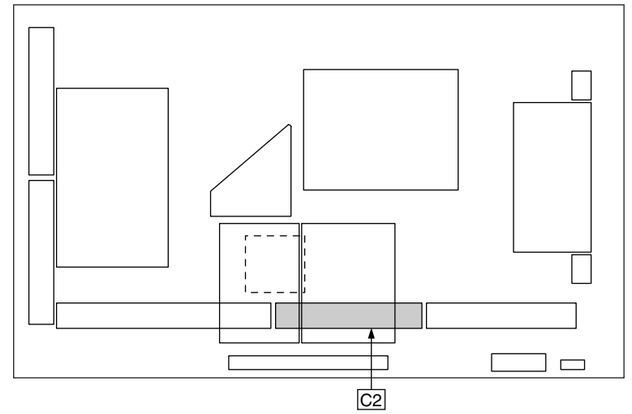
C1-BOARD (COMPONENT SIDE)
TNPA4169



TH-50PV70AZ/H/M/MR/MT
C1-BOARD TNPA4169

TH-50PV70AZ/H/M/MR/MT
C1-BOARD TTNPA4169

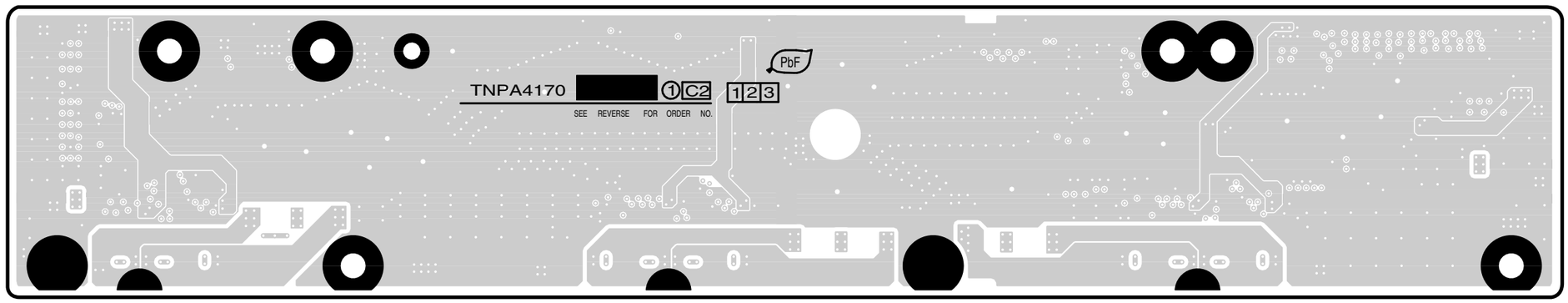
14.7. C2-Board



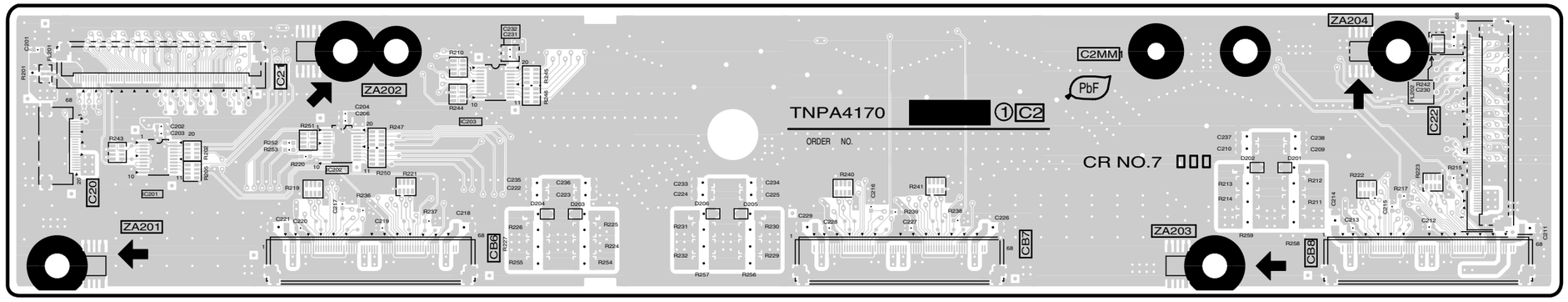
Parts Location

C2-BOARD	
IC	
IC7201 IC7202 IC7203	B-1 C-2 C-2

C2-BOARD (FOIL SIDE)
TNPA4170



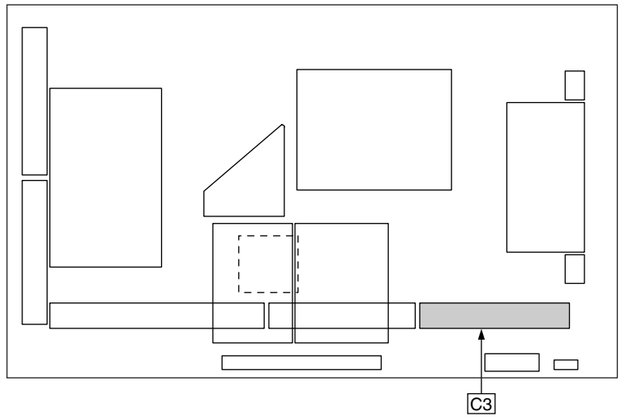
C2-BOARD (COMPONENT SIDE)
TNPA4170



TH-50PV70AZ/H/M/MR/MT
C2-BOARD TNPA4170

TH-50PV70AZ/H/M/MR/MT
C2-BOARD TNPA4170

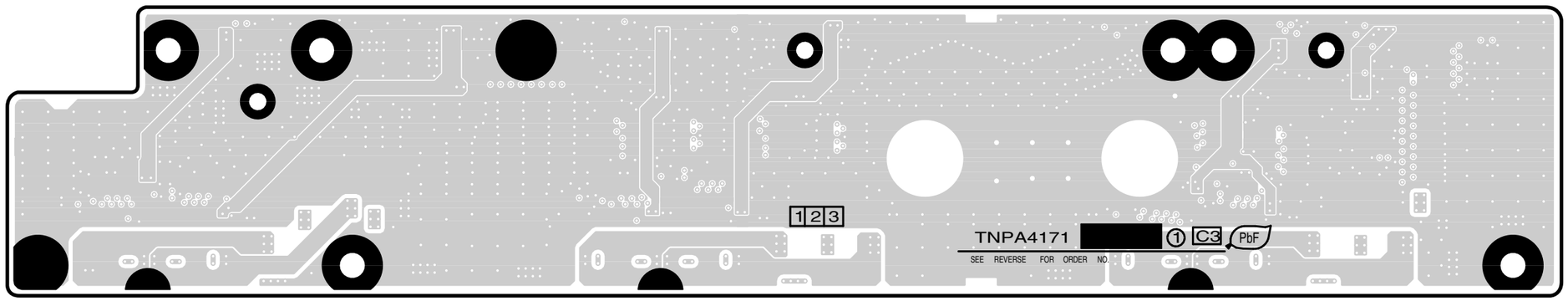
14.8. C3-Board



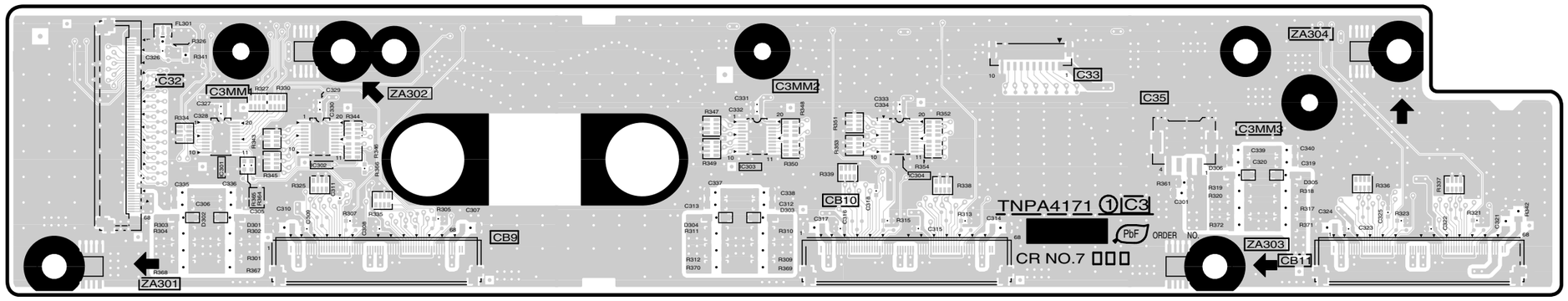
Parts Location

C3-BOARD	
IC	
IC7301 IC7302 IC7303 IC7304	B-2 C-2 E-2 F-2

C3-BOARD (FOIL SIDE)
TNPA4171



C3-BOARD (COMPONENT SIDE)
TNPA4171

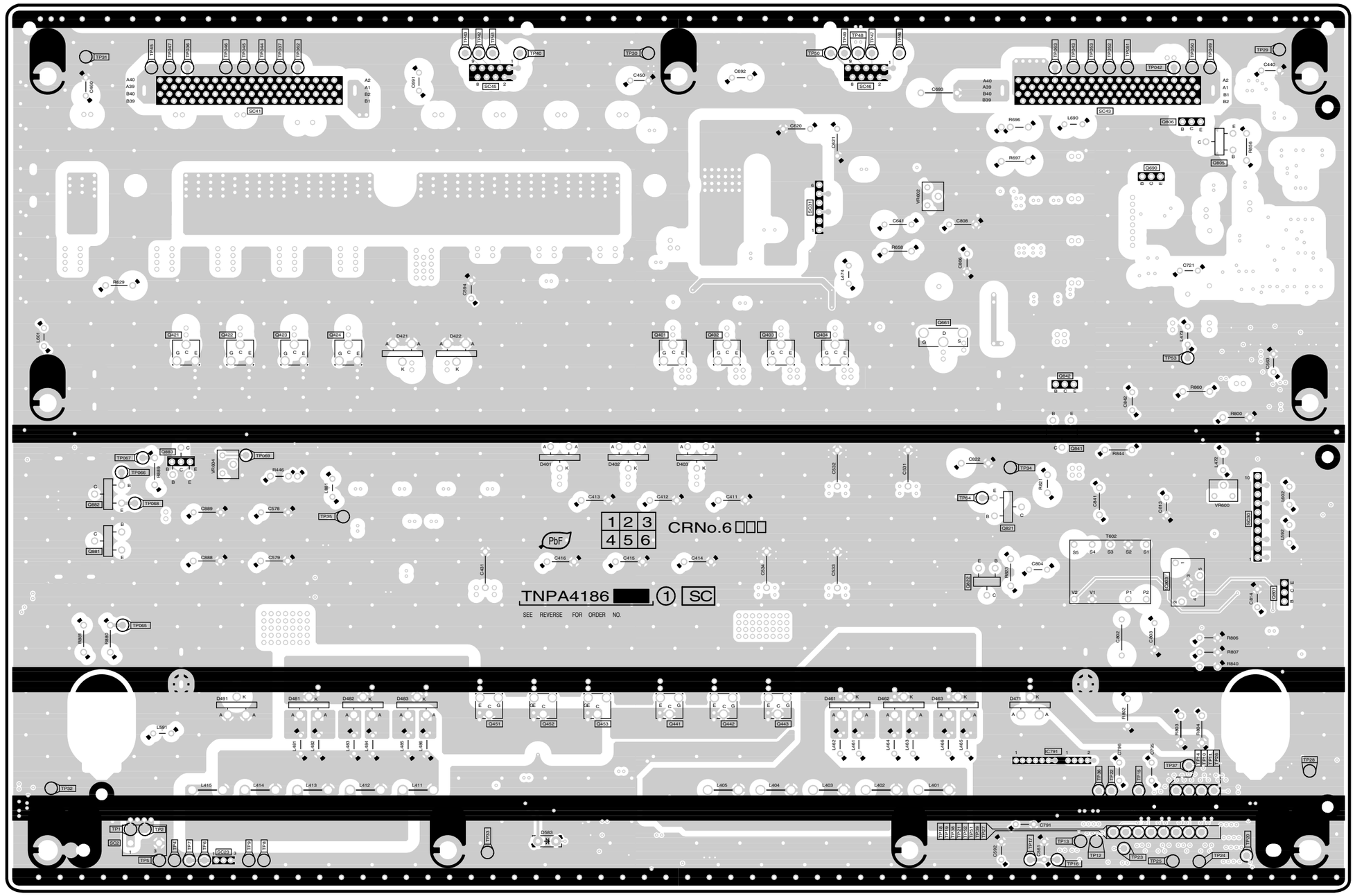


TH-50PV70AZ/H/M/MR/MT
C3-BOARD TNPA4171

TH-50PV70AZ/H/M/MR/MT
C3-BOARD TNPA4171

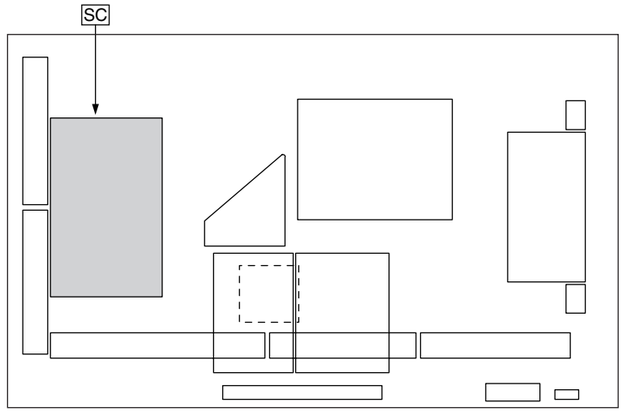
14.9. SC-Board

SC-BOARD (FOIL SIDE)
TNPA4186



TH-50PV70AZ/H/M/MR/MT
SC-BOARD TNPA4186

TH-50PV70AZ/H/M/MR/MT
SC-BOARD TNPA4186



Parts Location

SC-BOARD (FOIL SIDE)

TRANSISTOR	
IC6791	G-2
IC6803	H-3

TRANSISTOR	
Q6401	E-4
Q6402	E-4
Q6403	F-4
Q6404	F-4
Q6421	B-4
Q6422	B-4
Q6423	C-4
Q6424	C-4
Q6441	E-2
Q6442	E-2
Q6443	F-2
Q6451	D-2
Q6452	D-2
Q6453	E-2
Q6661	G-4
Q6690	H-5
Q6801	I-3
Q6805	H-5
Q6806	H-5
Q6821	G-3
Q6822	G-3
Q6841	G-3
Q6842	G-4
Q6881	B-3
Q6882	B-3
Q6883	B-3

TP	
TP1	B-1
TP2	B-1
TP4	B-1
TP5	B-1
TP6	B-1
TP7	B-1
TP8	C-1
TP9	B-1
TP10	H-1
TP11	H-1
TP12	G-1
TP13	G-1
TP14	H-1
TP15	H-1
TP16	G-1
TP17	G-1
TP18	G-1
TP19	G-1
TP20	H-1
TP21	G-1
TP22	H-1
TP23	H-1
TP24	H-1
TP25	H-1
TP26	H-1
TP27	G-1
TP28	I-1
TP29	H-6
TP30	E-6
TP31	B-6
TP32	A-1
TP33	D-1
TP34	G-3
TP35	C-3
TP36	G-1
TP37	H-2
TP38	G-1
TP39	G-1
TP40	D-6
TP41	D-6
TP42	D-6
TP43	D-6
TP45	B-6
TP46	F-6
TP47	F-6
TP48	F-6
TP49	F-6
TP50	F-6
TP51	G-1
TP52	G-1
TP53	H-4
TP64	G-3
TP036	B-6
TP037	C-6
TP042	H-6
TP043	G-6
TP044	C-6
TP045	B-6
TP046	B-6
TP047	B-6
TP049	H-6
TP050	H-6
TP051	H-6
TP052	G-6
TP053	G-6
TP062	C-6
TP063	G-6
TP065	B-2
TP066	B-3
TP067	B-3
TP068	B-3
TP069	B-3

VOLUME	
VR6600	H-3
VR6602	F-5
VR6604	B-3

TH-50PV70AZ/H/M/MR/MT
SC-BOARD PARTS LOCATION

Parts Location

SC-BOARD (COMPONENT SIDE)

IC	
IC6471	B-5
IC6472	B-4
IC6481	G-3
IC6500	G-4
IC6501	F-4
IC6521	F-1
IC6561	B-1
IC6562	C-1
IC6581	E-1
IC6671	C-5
IC6721	A-5
IC6722	A-5
IC6724	B-5
IC6725	B-5
IC6752	D-4
IC6771	C-4
IC6772	D-5
IC6773	C-5
IC6774	C-5
IC6791	C-1
IC6801	B-3
IC6802	B-3
IC6803	B-3
IC6821	C-3
IC6841	C-4
IC6861	B-5
IC6871	A-2
IC6881	H-4

PHOTO COUPLER	
PC6480	B-4
PC6701	A-4
PC6702	B-4
PC6703	B-4
PC6704	A-4
PC6705	C-4
PC6801	B-3
PC6861	B-4
PC6871	A-2

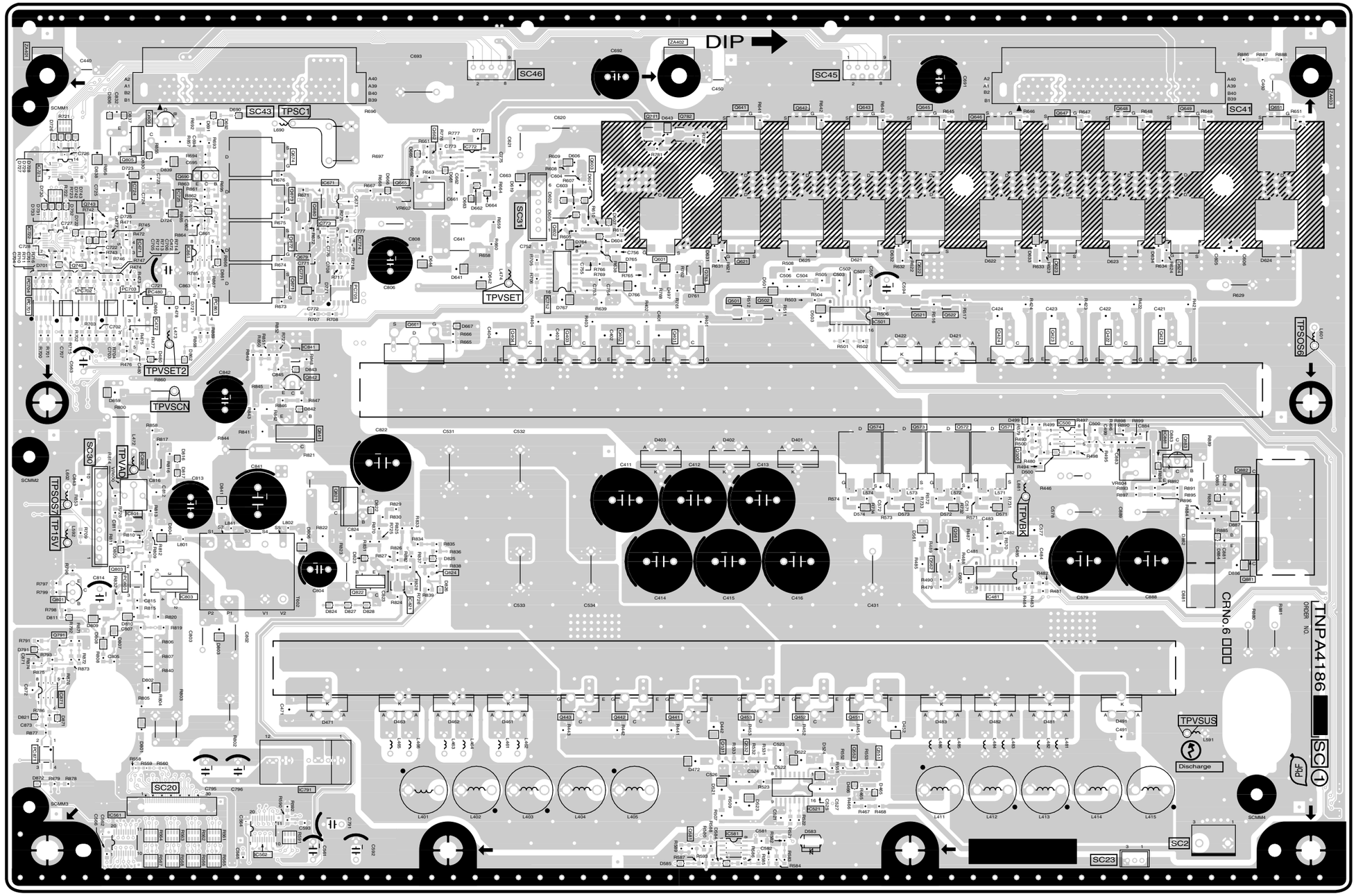
TRANSISTOR	
Q6401	E-4
Q6402	E-4
Q6403	D-4
Q6404	D-4
Q6421	H-4
Q6422	H-4
Q6423	G-4
Q6424	G-4
Q6441	E-2
Q6442	E-2
Q6443	D-2
Q6451	F-2
Q6452	F-2
Q6453	E-2
Q6500	G-3
Q6501	E-4
Q6502	F-4
Q6521	F-4
Q6522	G-4
Q6531	E-2
Q6532	E-2
Q6551	F-2
Q6552	F-2
Q6561	G-3
Q6562	G-3
Q6571	G-3
Q6572	G-3
Q6573	F-3
Q6574	F-3
Q6581	E-1
Q6601	E-5
Q6602	D-5
Q6603	D-5
Q6621	E-5
Q6622	F-5
Q6623	G-5
Q6624	H-5
Q6641	E-5
Q6642	F-5
Q6643	F-5
Q6645	F-5
Q6646	G-5
Q6647	G-5
Q6648	H-5
Q6649	H-5
Q6651	I-5
Q6661	C-4
Q6662	D-5
Q6665	C-5
Q6671	C-4
Q6672	C-5
Q6673	C-5
Q6674	C-5
Q6679	C-5
Q6680	C-5
Q6690	B-5
Q6742	A-4
Q6743	B-5
Q6763	E-4
Q6781	E-5
Q6782	E-5
Q6791	A-2
Q6801	A-3
Q6803	B-3
Q6805	B-5
Q6806	B-5
Q6821	C-3
Q6822	C-3
Q6824	D-3
Q6841	C-4
Q6842	C-4
Q6881	H-3
Q6882	H-3
Q6883	H-3

TP	
TP15V	A-3
TPSC1	C-5
TPSOS6	I-4
TPSOS7	A-3
TPVAD	B-3
TPVBK	G-3
TPVSCN	B-4
TPVSET	D-4
TPVSET2	B-4
TPVSUS	H-2

VOLUME	
VR6600	B-3
VR6602	C-5
VR6604	H-3

TH-50PV70AZ/H/M/MR/MT
SC-BOARD PARTS LOCATION

SC-BOARD (COMPONENT SIDE)
TNPA4186



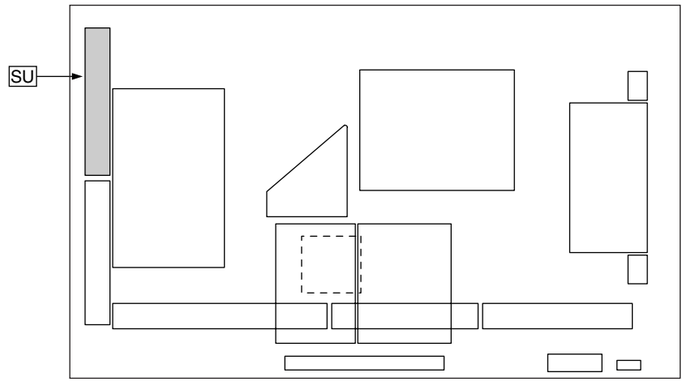
TH-50PV70AZ/H/M/MR/MT
SC-BOARD TNPA4186

TH-50PV70AZ/H/M/MR/MT
SC-BOARD TNPA4186

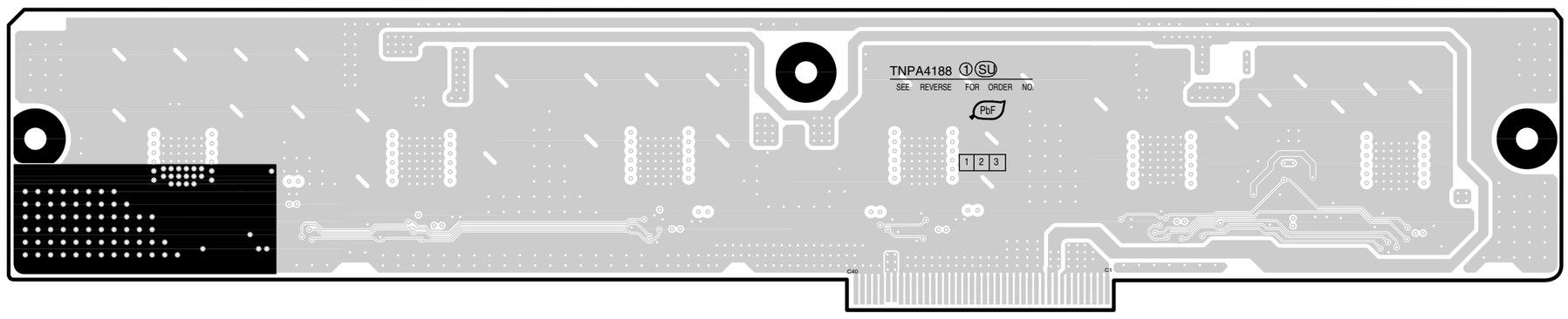
14.10. SU-Board

Parts Location

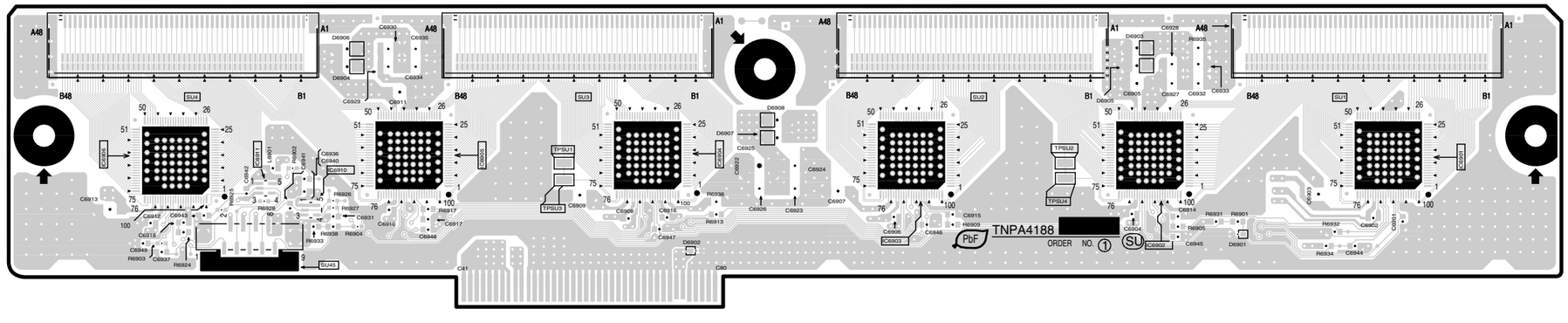
SU-BOARD	
IC	
IC6901	H-2
IC6902	G-2
IC6903	E-2
IC6904	D-2
IC6905	C-2
IC6906	B-2
IC6910	C-2
IC6911	B-2
TEST POINT	
TPSU1	D-2
TPSU2	F-2
TPSU3	D-1
TPSU4	F-1



SU-BOARD (FOIL SIDE)
TNPA4188



SU-BOARD (COMPONENT SIDE)
TNPA4188



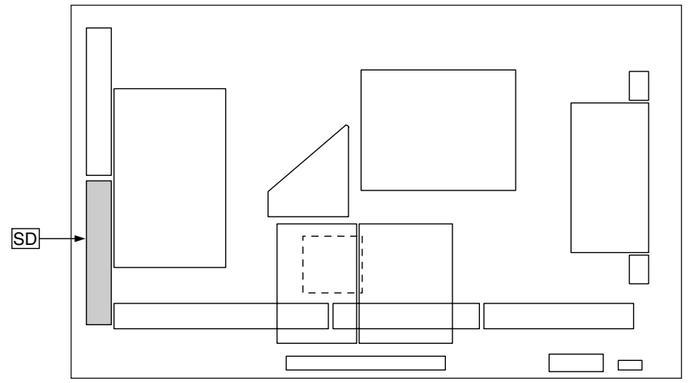
TH-50PV70AZ/H/M/MR/MT
SU-BOARD TNPA4188

TH-50PV70AZ/H/M/MR/MT
SU-BOARD TNPA4188

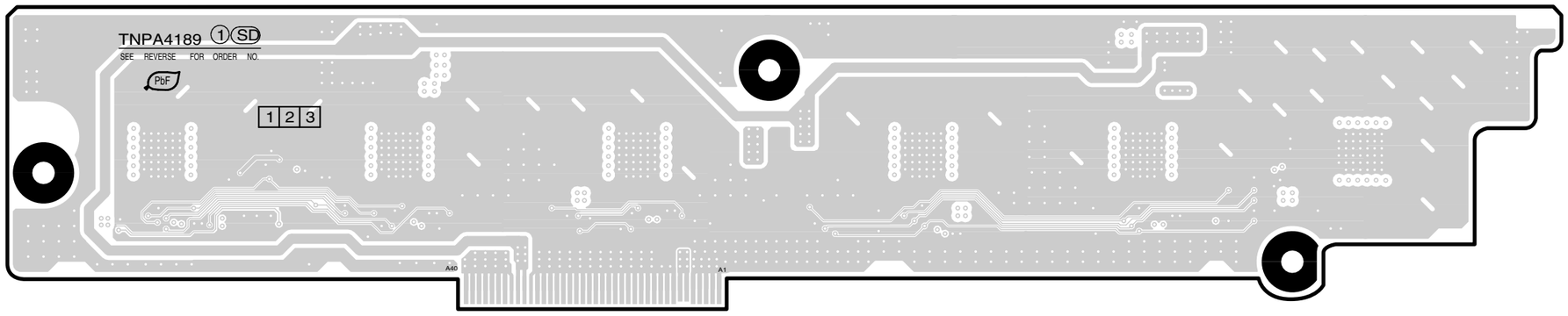
14.11. SD-Board

Parts Location

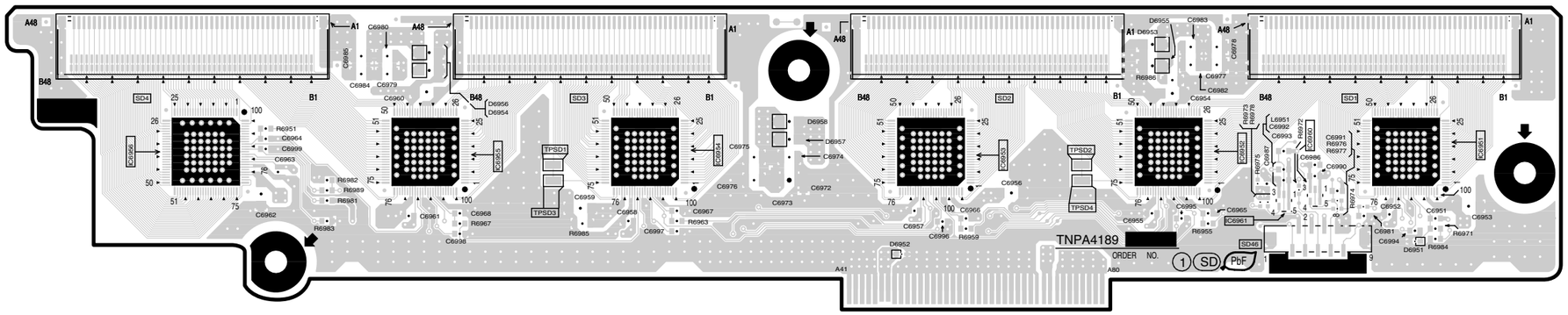
SD-BOARD	
IC	
IC6951	H-2
IC6952	G-2
IC6953	F-2
IC6954	D-2
IC6955	C-2
IC6956	B-2
IC6960	G-2
IC6961	G-1
TEST POINT	
TPSD1	D-2
TPSD2	F-2
TPSD3	D-1
TPSD4	F-1



SD-BOARD (FOIL SIDE)
TNPA4189



SD-BOARD (COMPONENT SIDE)
TNPA4189



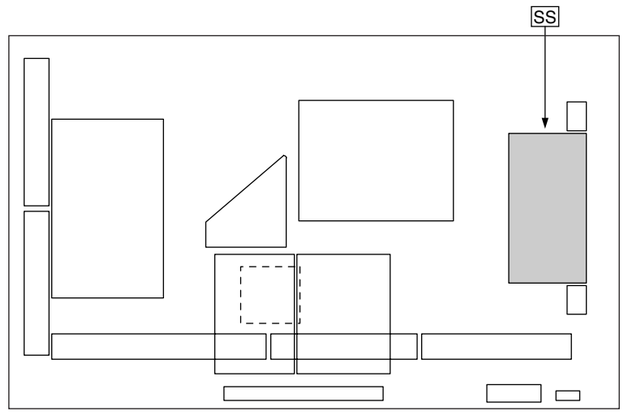
TH-50PV70AZ/H/M/MR/MT
SD-BOARD TNPA4189

TH-50PV70AZ/H/M/MR/MT
SD-BOARD TNPA4189

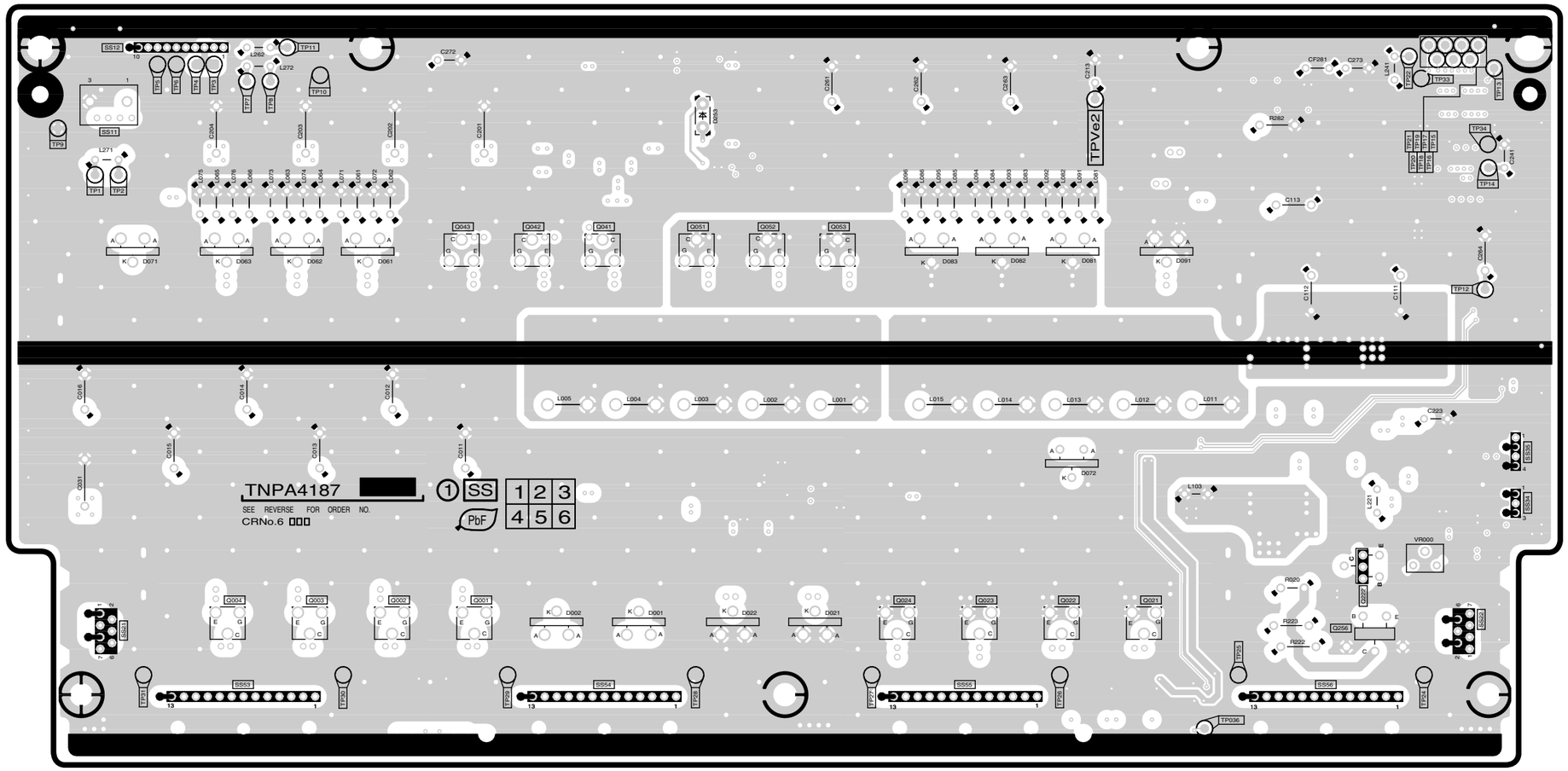
14.12. SS-Board

Parts Location

SS-BOARD (FOIL SIDE)							
TRANSISTOR		**TP**		TP19	H-4	**VOLUME**	
Q6001	C-2	TP1	B-4	TP20	H-4	VR6000	H-2
Q6002	C-2	TP2	B-4	TP21	H-4		
Q6003	C-2	TP3	B-4	TP22	H-4		
Q6004	B-2	TP4	B-4	TP24	H-1		
Q6021	G-2	TP5	B-4	TP25	G-1		
Q6022	F-2	TP6	B-4	TP26	F-1		
Q6023	F-2	TP7	B-4	TP27	E-1		
Q6024	E-2	TP8	B-4	TP28	D-1		
Q6041	D-3	TP9	A-4	TP29	D-1		
Q6042	D-3	TP10	C-4	TP30	C-1		
Q6043	C-3	TP11	C-4	TP31	B-1		
Q6051	D-3	TP12	H-3	TP33	H-4		
Q6052	E-3	TP13	H-4	TP34	H-4		
Q6053	E-3	TP14	H-4	TP036	G-1		
Q6222	H-2	TP15	H-4	TPVe2	F-4		
Q6256	H-1	TP16	H-4				
		TP17	H-4				
		TP18	H-4				



SS-BOARD (FOIL SIDE)
TNPA4187

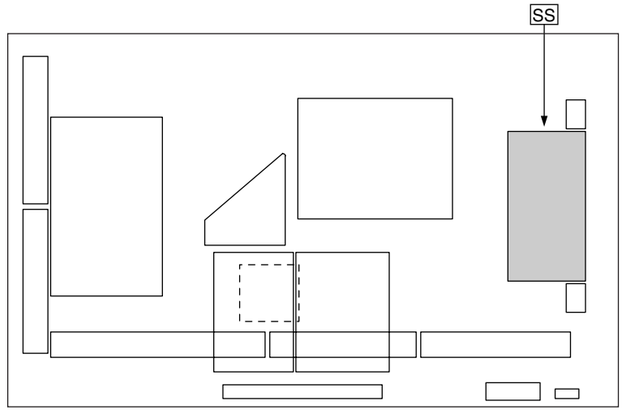


TH-50PV70AZ/H/M/MR/MT
SS-BOARD TNPA4187

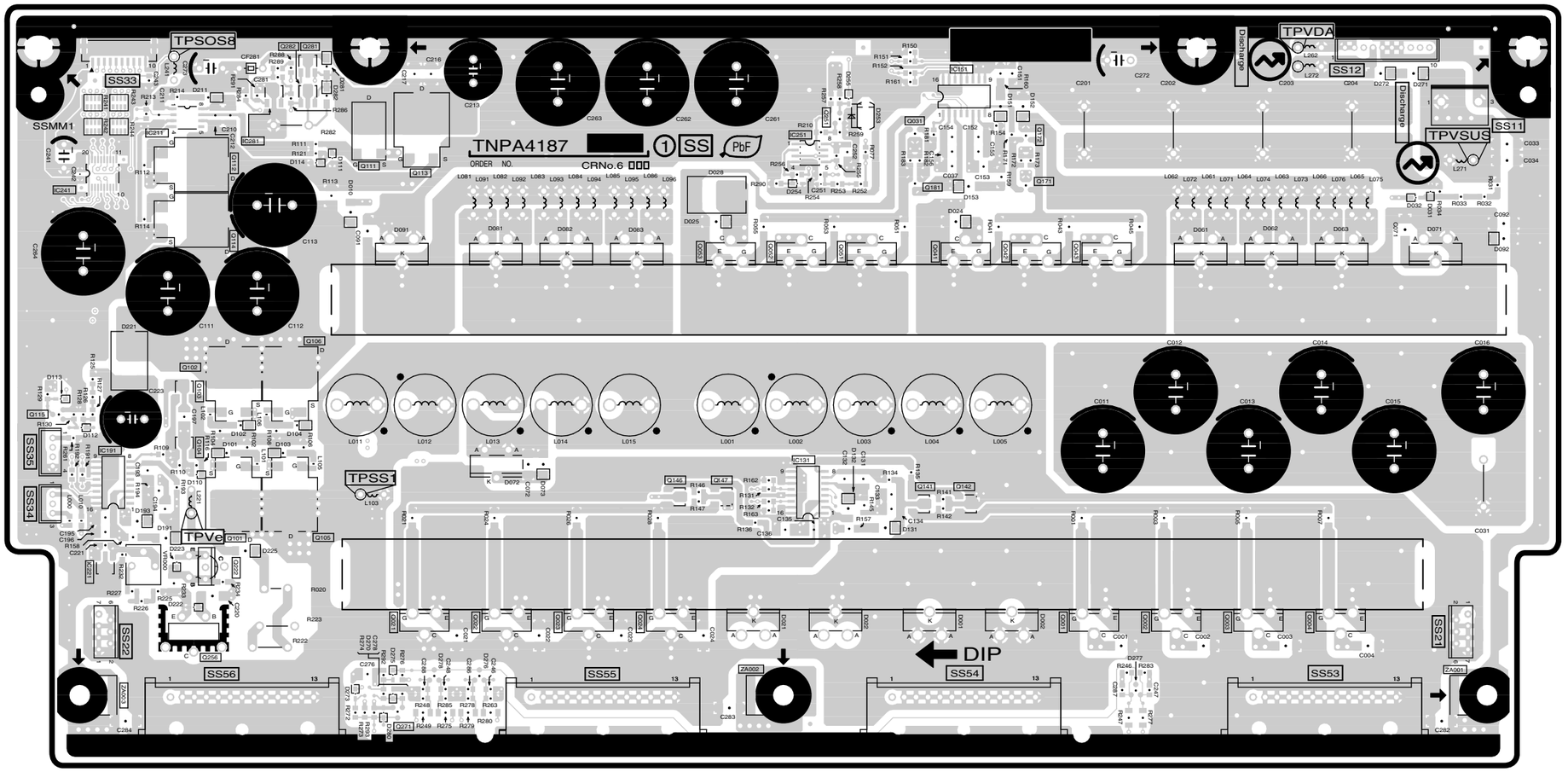
TH-50PV70AZ/H/M/MR/MT
SS-BOARD TNPA4187

Parts Location

SS-BOARD (COMPONENT SIDE)									
IC		**TRANSISTOR**		Q6101	B-2	Q6171	F-4	**TP**	
IC6131	E-2	Q6001	F-2	Q6102	B-3	Q6172	F-4	TPSOS8	B-4
IC6151	F-4	Q6002	G-2	Q6103	B-3	Q6181	F-4	TPSS1	C-2
IC6191	B-2	Q6003	G-2	Q6104	B-2	Q6222	B-2	TPVDA	G-4
IC6211	B-4	Q6004	G-2	Q6105	C-2	Q6251	E-4	TPVe	B-2
IC6221	B-2	Q6021	C-2	Q6106	C-2	Q6256	B-1	TPVSUS	H-4
IC6241	B-4	Q6022	C-2	Q6111	C-4	Q6271	C-1		
IC6251	E-4	Q6023	D-2	Q6112	B-4	Q6281	C-4	**VOLUME**	
IC6281	B-4	Q6024	D-2	Q6113	C-4	Q6282	C-4	VR6000	B-2
		Q6031	F-4	Q6114	B-3				
		Q6041	F-3	Q6115	A-2				
		Q6042	F-3	Q6141	F-2				
		Q6043	F-3	Q6142	F-2				
		Q6051	E-3	Q6146	D-2				
		Q6052	E-3	Q6147	E-2				
		Q6053	E-3						



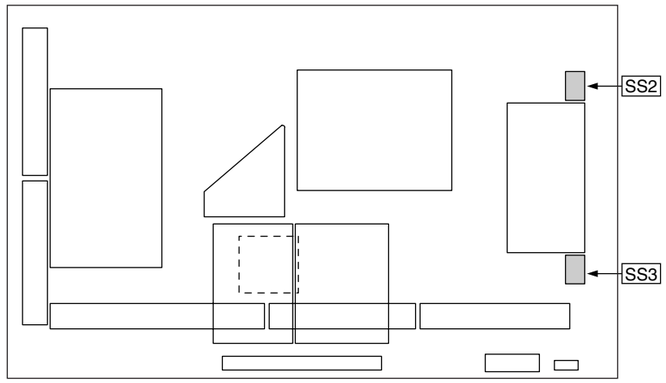
SS-BOARD (COMPONENT SIDE)
TNPA4187



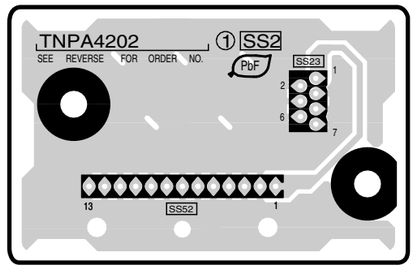
TH-50PV70AZ/H/M/MR/MT
SS-BOARD TNPA4187

TH-50PV70AZ/H/M/MR/MT
SS-BOARD TNPA4187

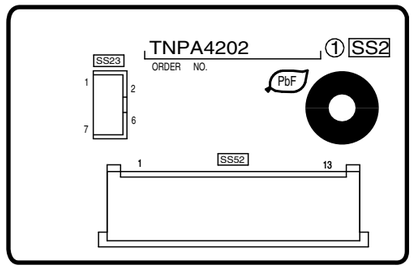
14.13. SS2 and SS3-Board



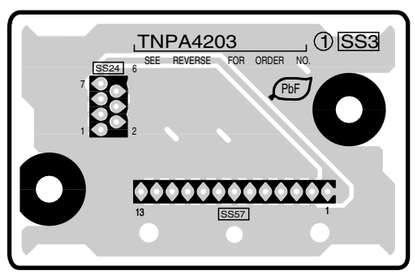
SS2-BOARD (FOIL SIDE)
TNPA4202



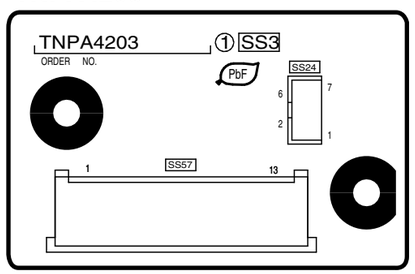
SS2-BOARD (COMPONENT SIDE)
TNPA4202



SS3-BOARD (FOIL SIDE)
TNPA4203



SS3-BOARD (COMPONENT SIDE)
TNPA4203

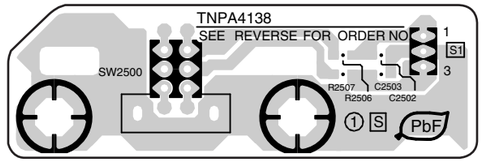


TH-50PV70AZ/H/M/MR/MT
SS2-BOARD TNPA4202
SS3-BOARD TNPA4203

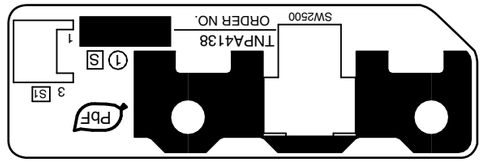
TH-50PV70AZ/H/M/MR/MT
SS2-BOARD TNPA4202
SS3-BOARD TNPA4203

14.14. K, and S-Board

S-BOARD (FOIL SIDE)
TNPA4138AD

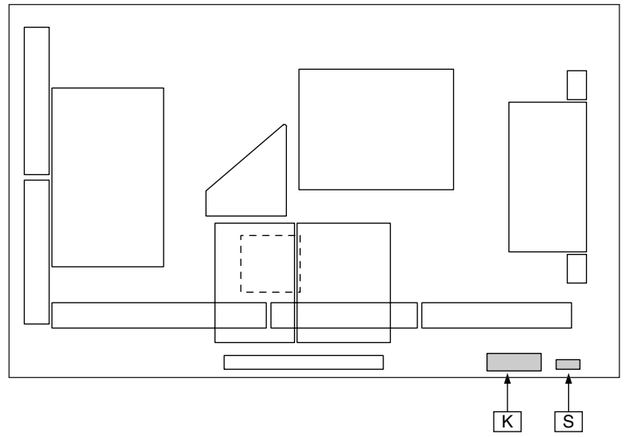


S-BOARD (COMPONENT SIDE)
TNPA4138AD

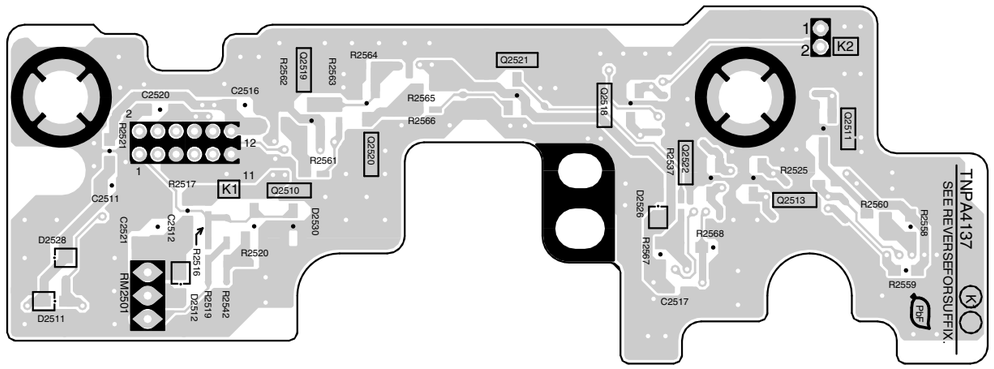


Parts Location

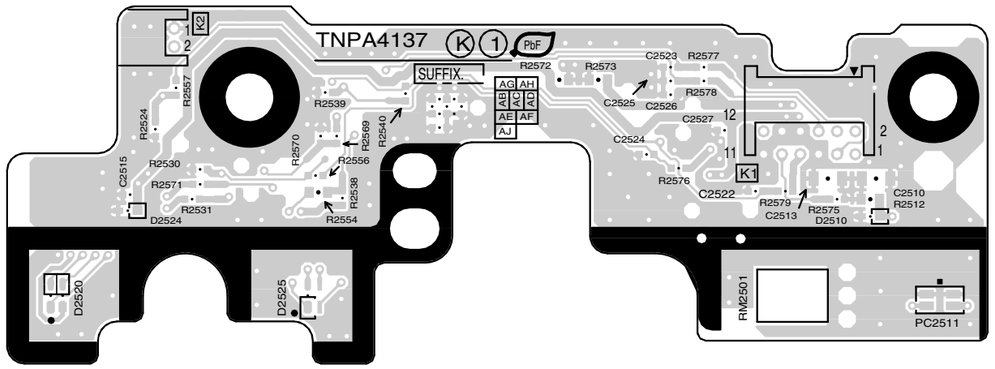
K-BOARD	
TRANSISTOR	
Q2510	B-3
Q2511	D-3
Q2513	D-3
Q2518	C-3
Q2519	B-4
Q2520	B-3
Q2521	C-4
Q2522	D-3



K-BOARD (FOIL SIDE)
TNPA4137AJ



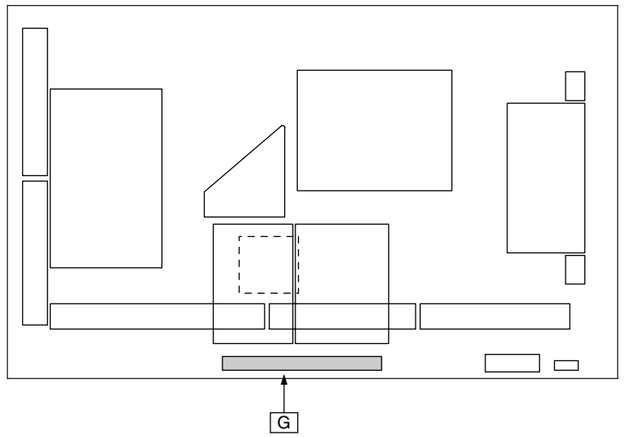
K-BOARD (COMPONENT SIDE)
TNPA4137AJ



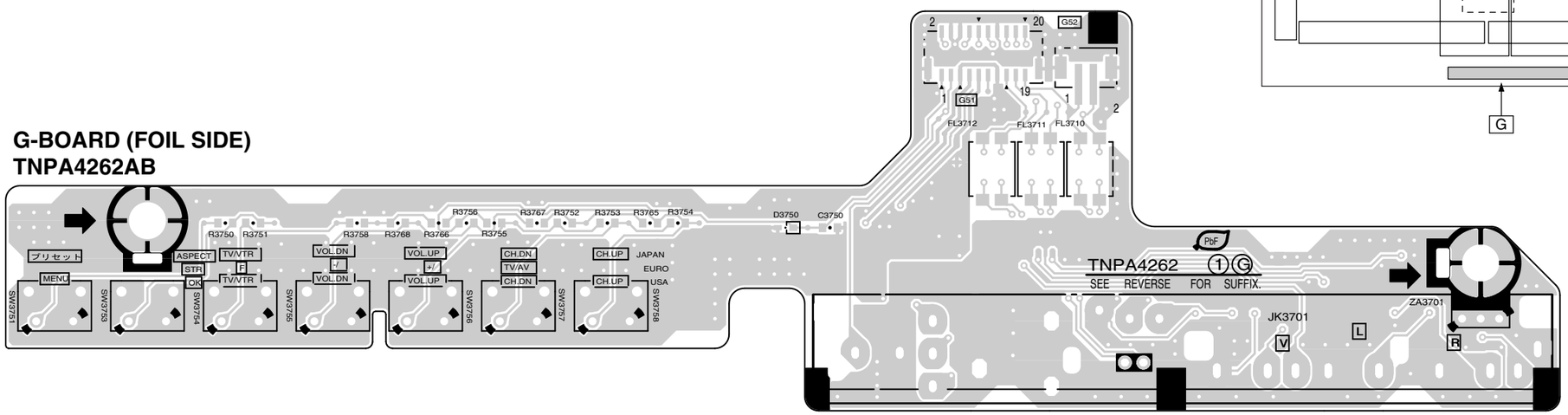
TH-50PV70AZ/H/M/MR/MT
K-BOARD TNPA4137AJ
S-BOARD TNPA4138AD

TH-50PV70AZ/H/M/MR/MT
K-BOARD TNPA4137AJ
S-BOARD TNPA4138AD

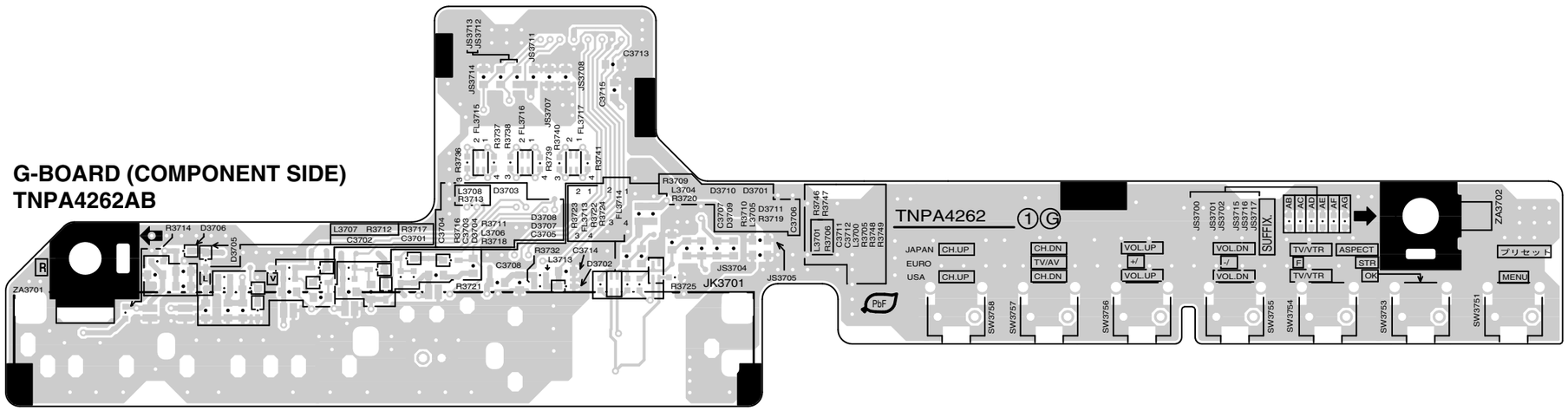
14.15. G-Board



G-BOARD (FOIL SIDE)
TNPA4262AB



G-BOARD (COMPONENT SIDE)
TNPA4262AB



TH-50PV70AZ/H/M/MR/MT
G-BOARD TNPA4262AB

TH-50PV70AZ/H/M/MR/MT
G-BOARD TNPA4262AB

15 Schematic and Block Diagram

15.1. Schematic Diagram Note

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

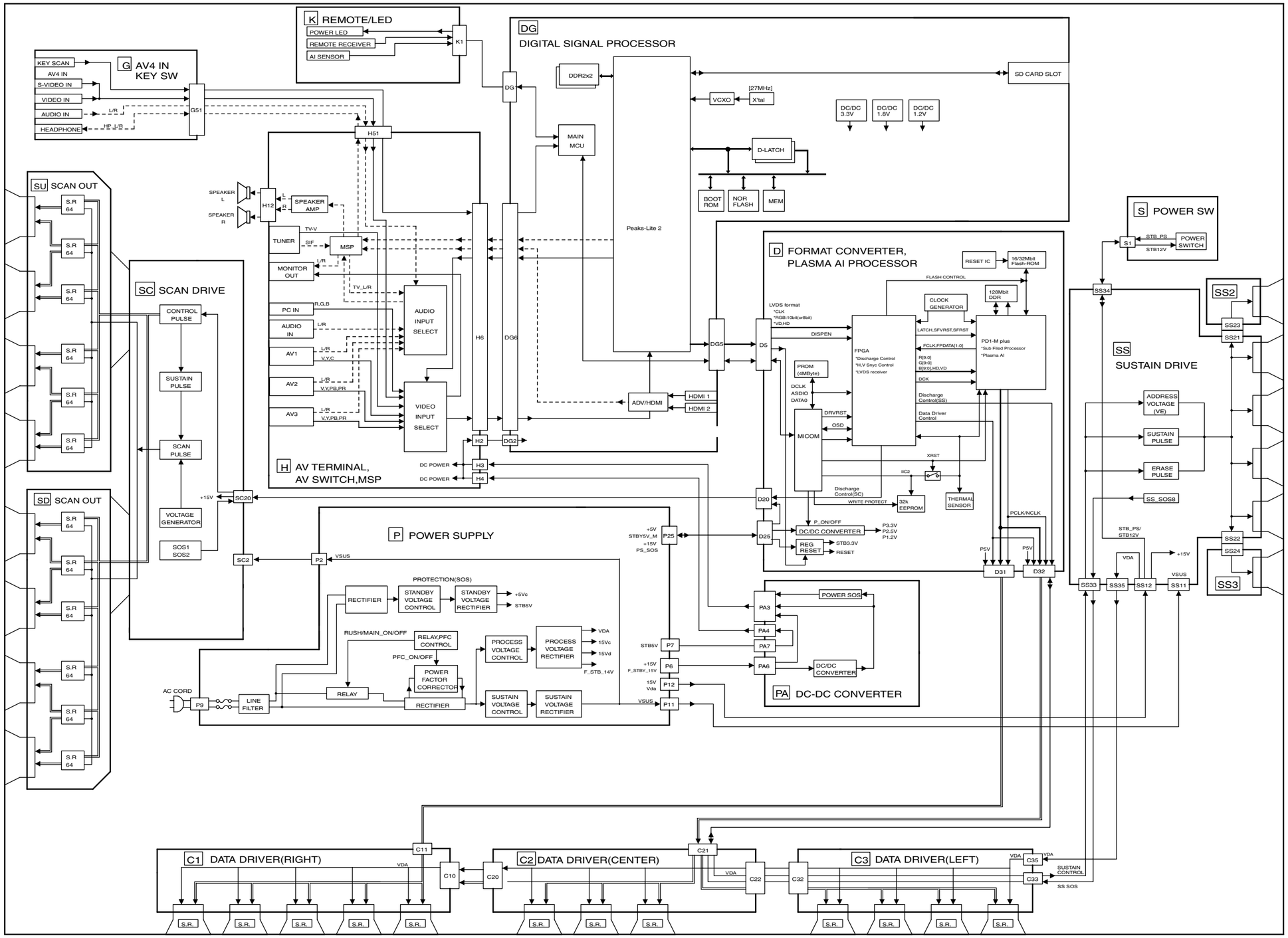
Notes:

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 AC220-240V, 50/60Hz
   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.

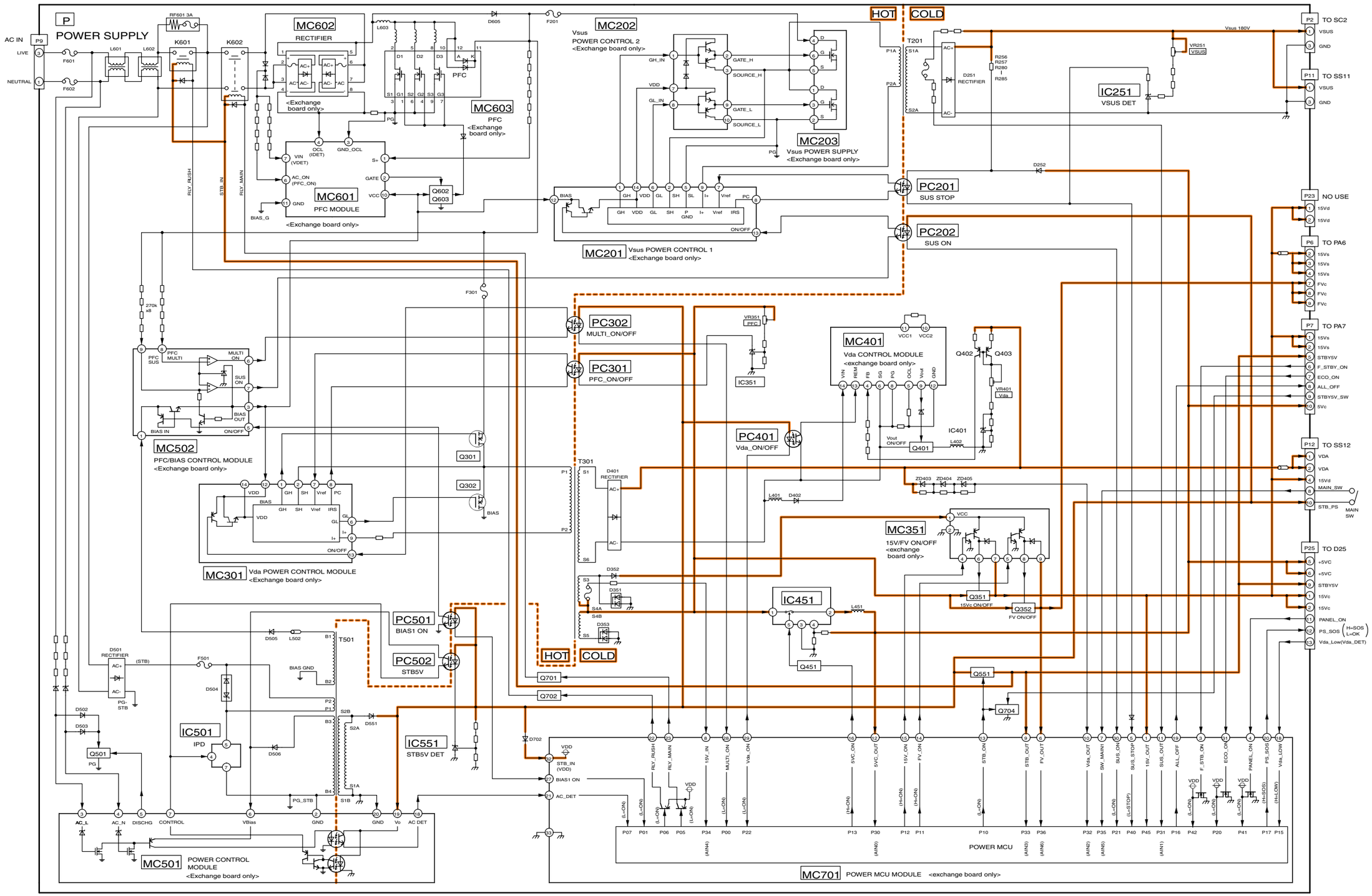
15.2. Main Block Diagram



TH-50PV70AZ/H/M/MR/MT
Main Block Diagram

TH-50PV70AZ/H/M/MR/MT
Main Block Diagram

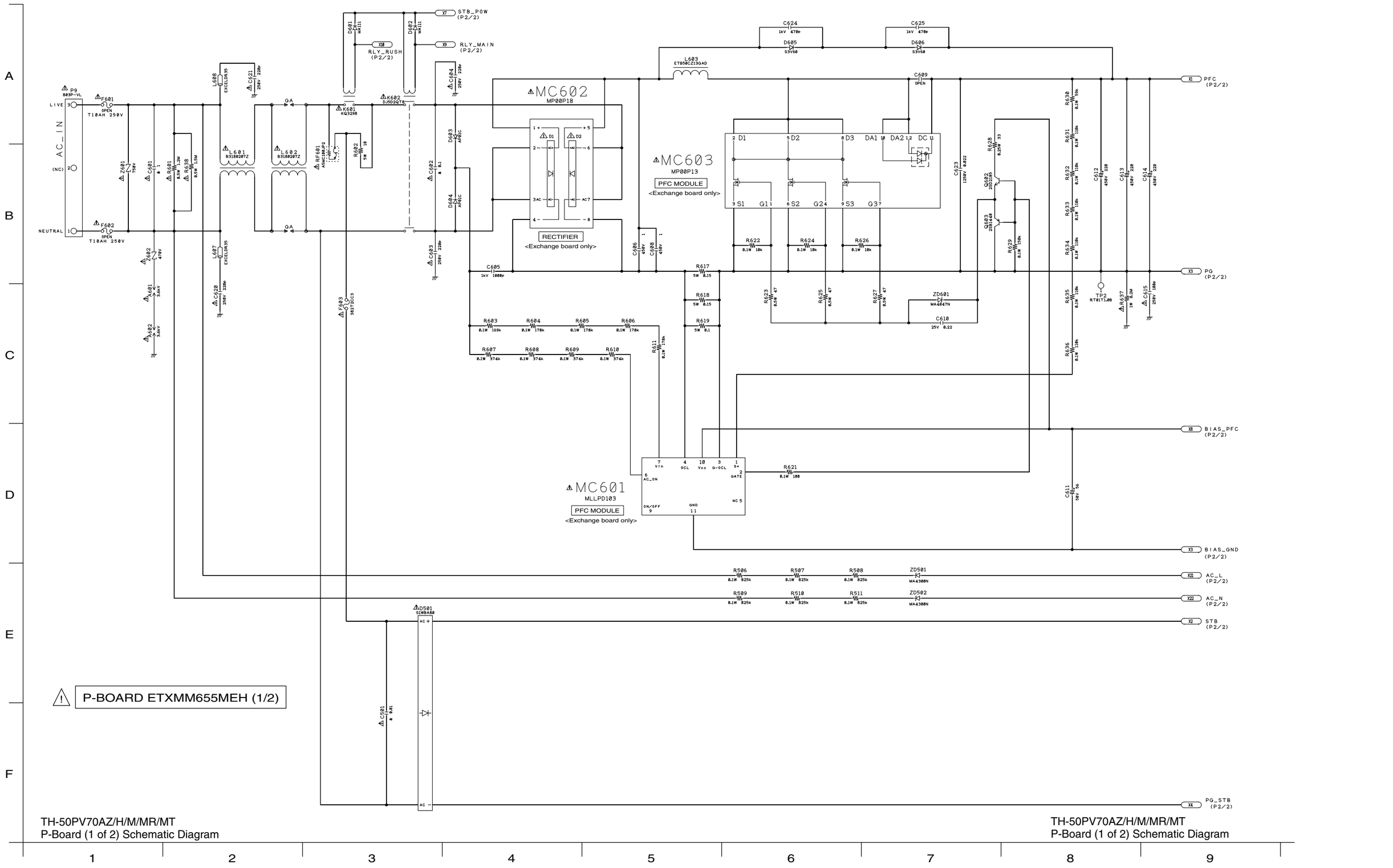
15.3. P-Board Block Diagram



TH-50PV70AZ/H/M/MR/MT
P-Board Block Diagram

TH-50PV70AZ/H/M/MR/MT
P-Board Block Diagram

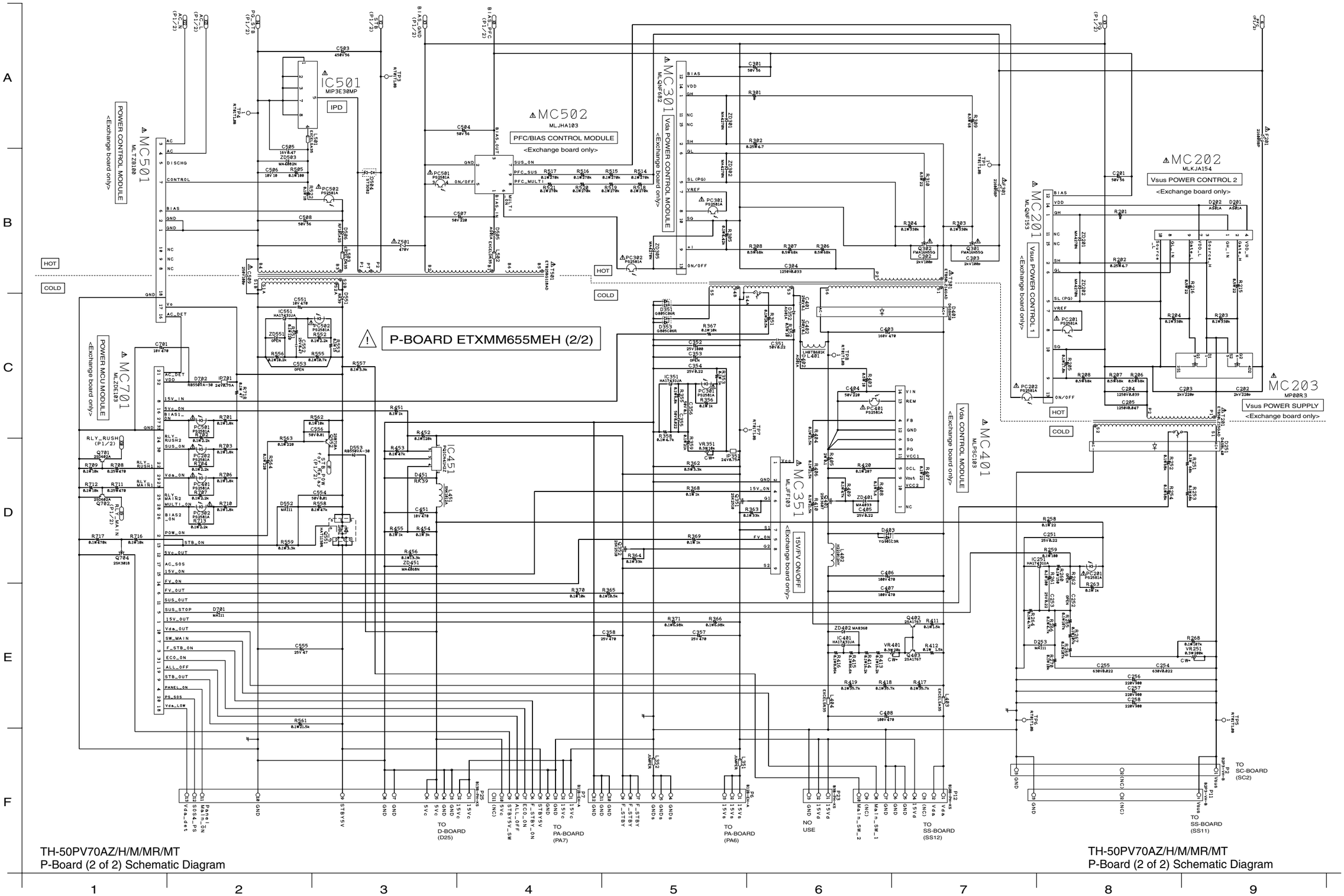
15.4. P-Board (1 of 2) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
P-Board (1 of 2) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
P-Board (1 of 2) Schematic Diagram

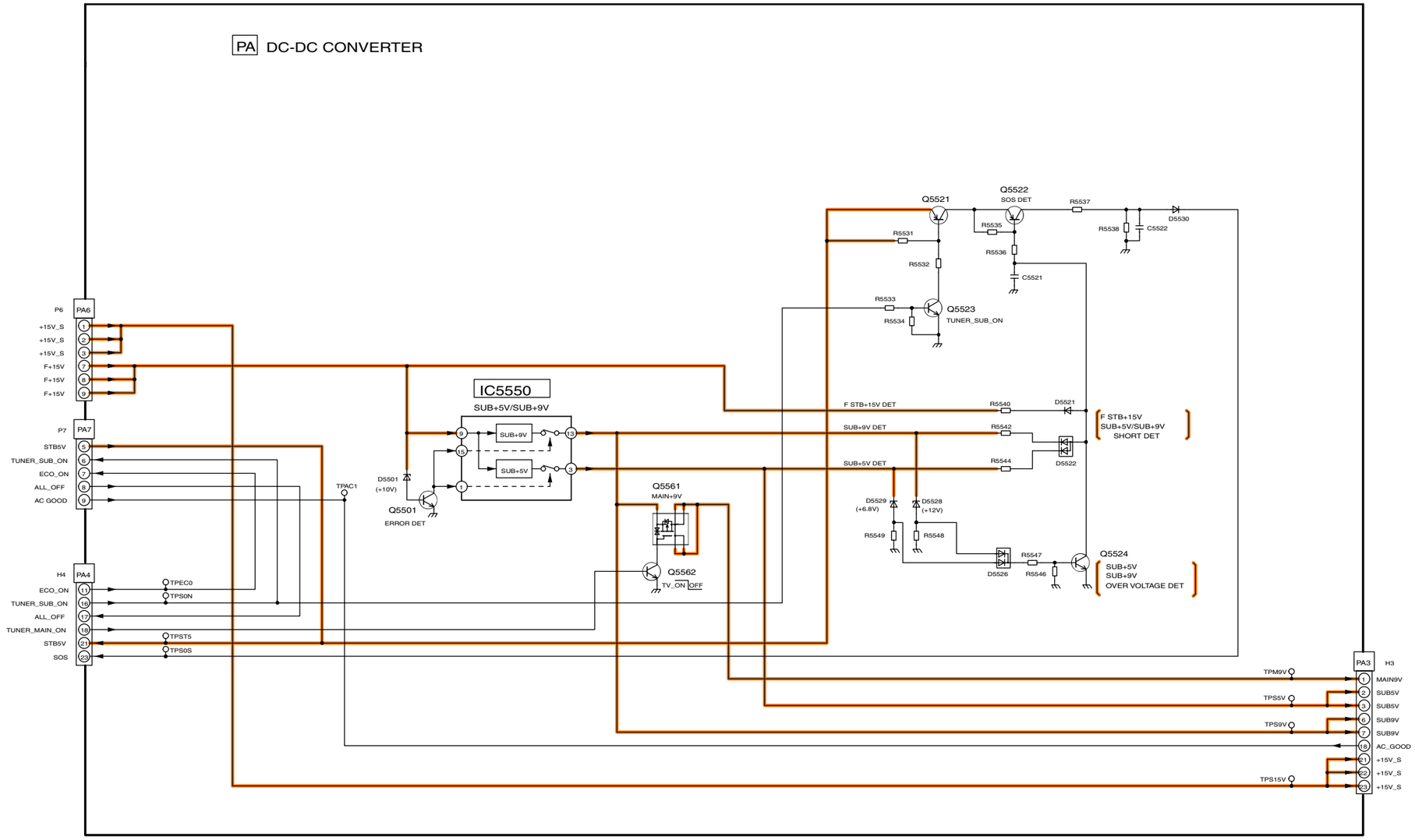
15.5. P-Board (2 of 2) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
P-Board (2 of 2) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
P-Board (2 of 2) Schematic Diagram

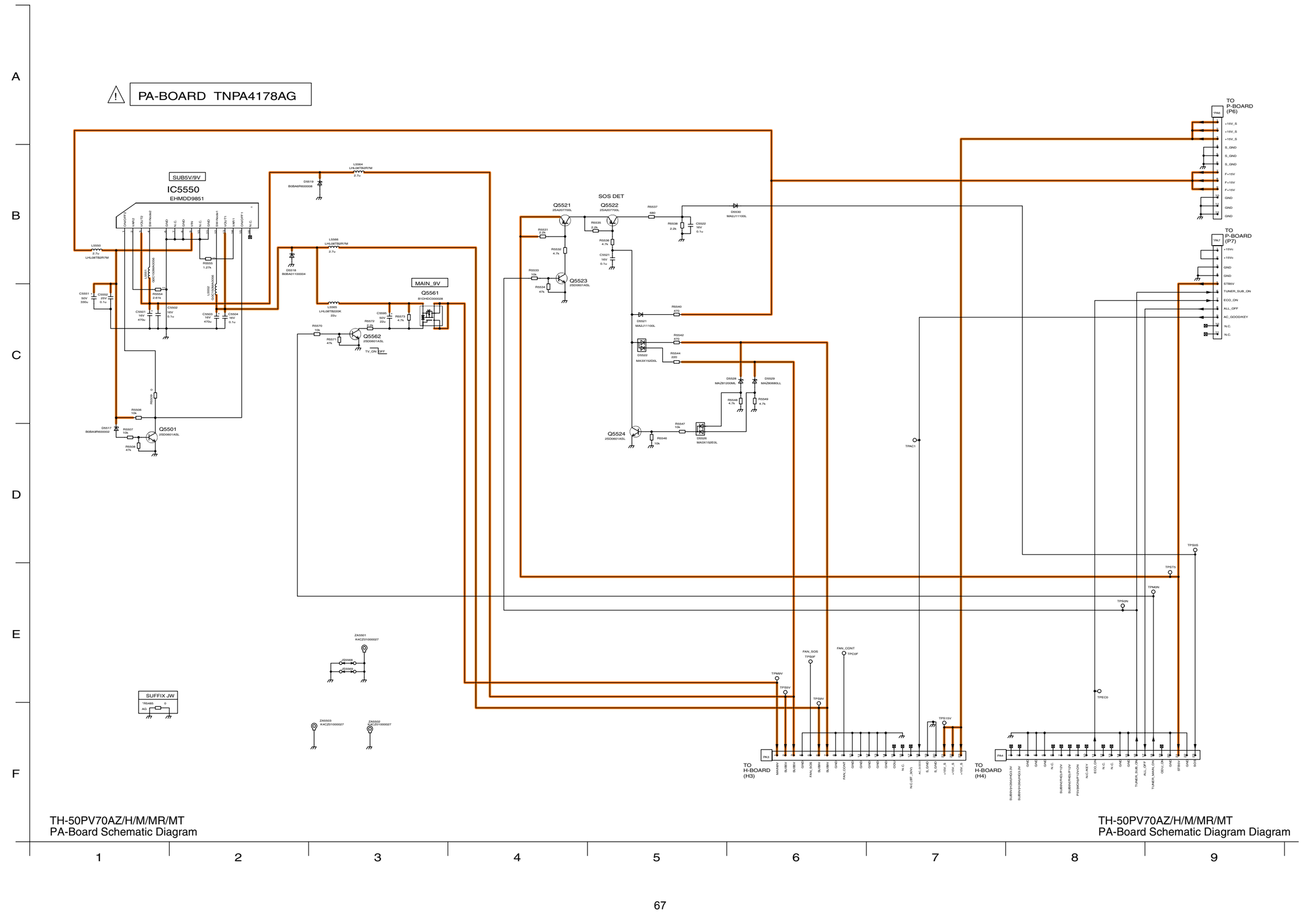
15.6. PA-Board Block Diagram



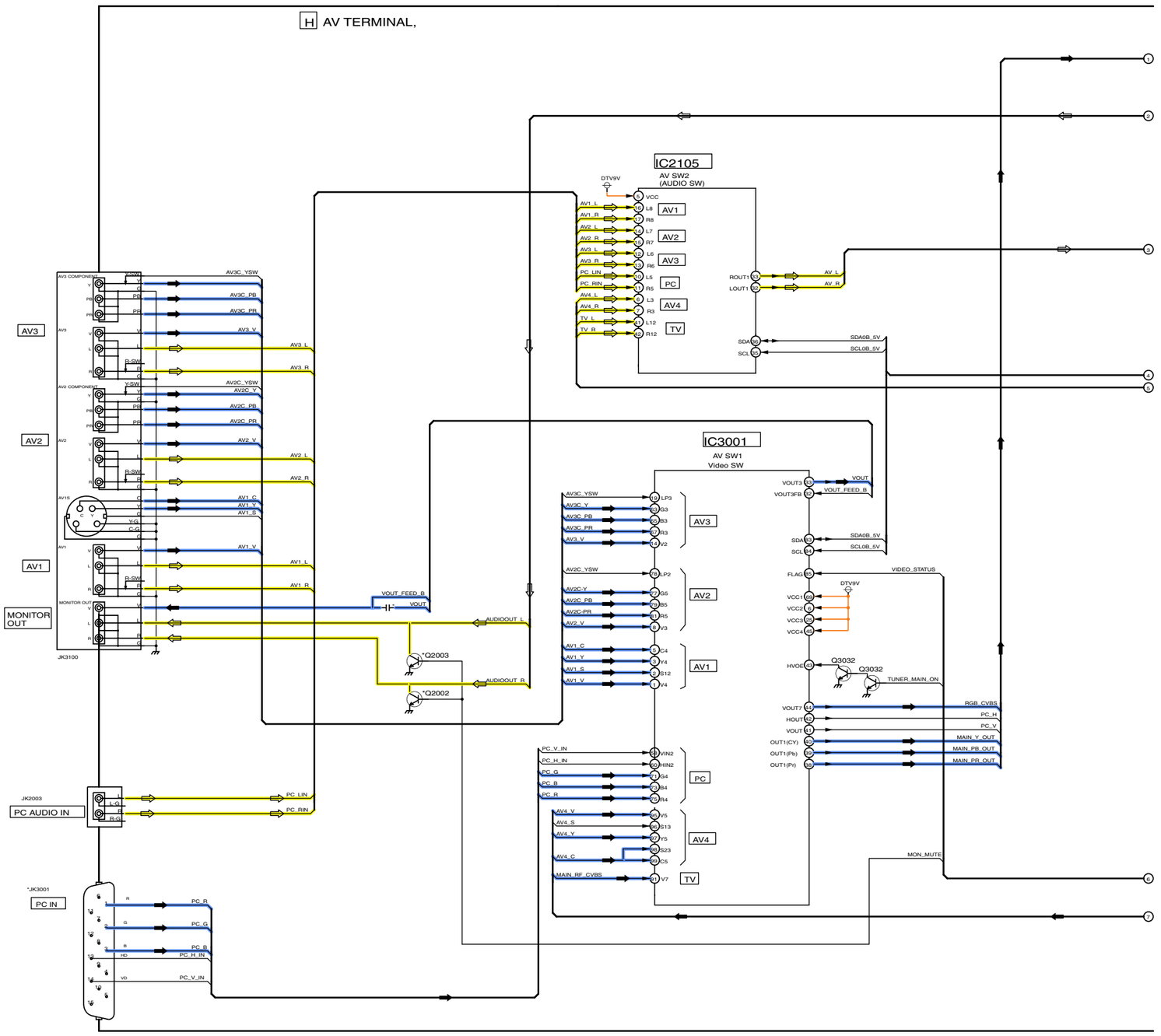
TH-50PV70AZ/H/M/MR/MT
PA-Board Block Diagram

TH-50PV70AZ/H/M/MR/MT
PA-Board Block Diagram

15.7. PA-Board Schematic Diagram



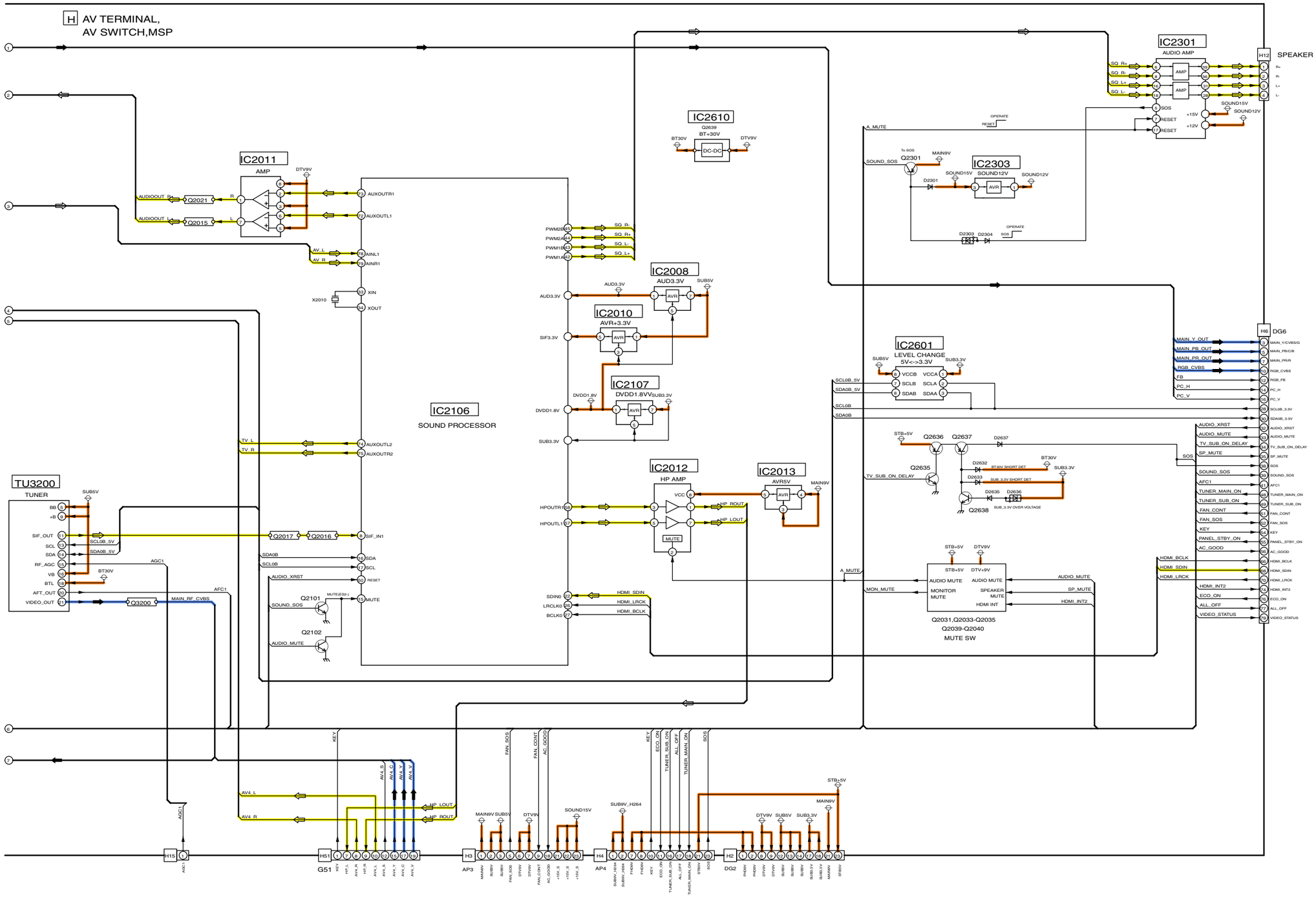
15.8. H-Board (1 of 2) Block Diagram



TH-50PV70AZ/H/M/MR/MT
H-Board (1 of 2) Block Diagram

TH-50PV70AZ/H/M/MR/MT
H-Board (1 of 2) Block Diagram

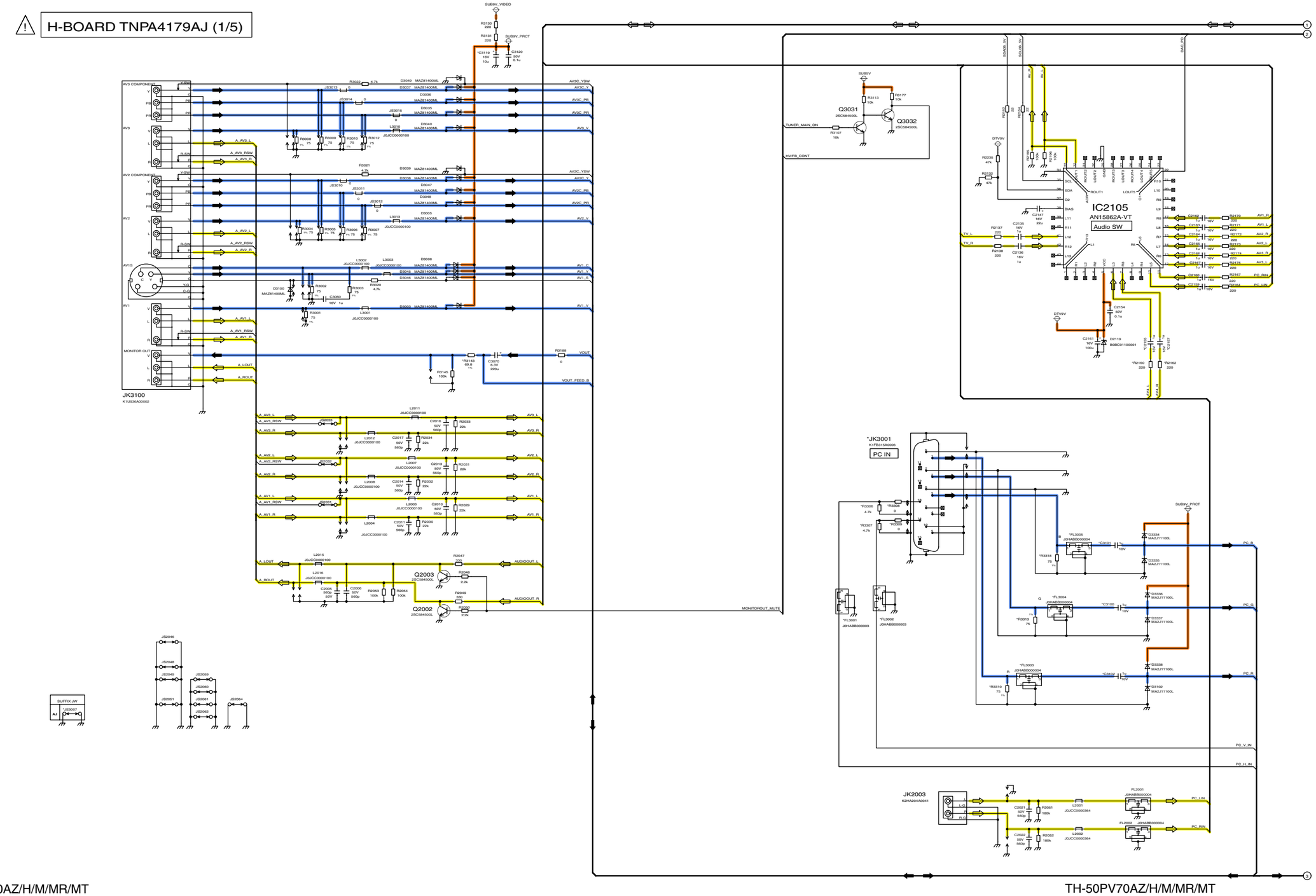
15.9. H-Board (2 of 2) Block Diagram



TH-50PV70AZ/H/M/MR/MT
H-Board (2 of 2) Block Diagram

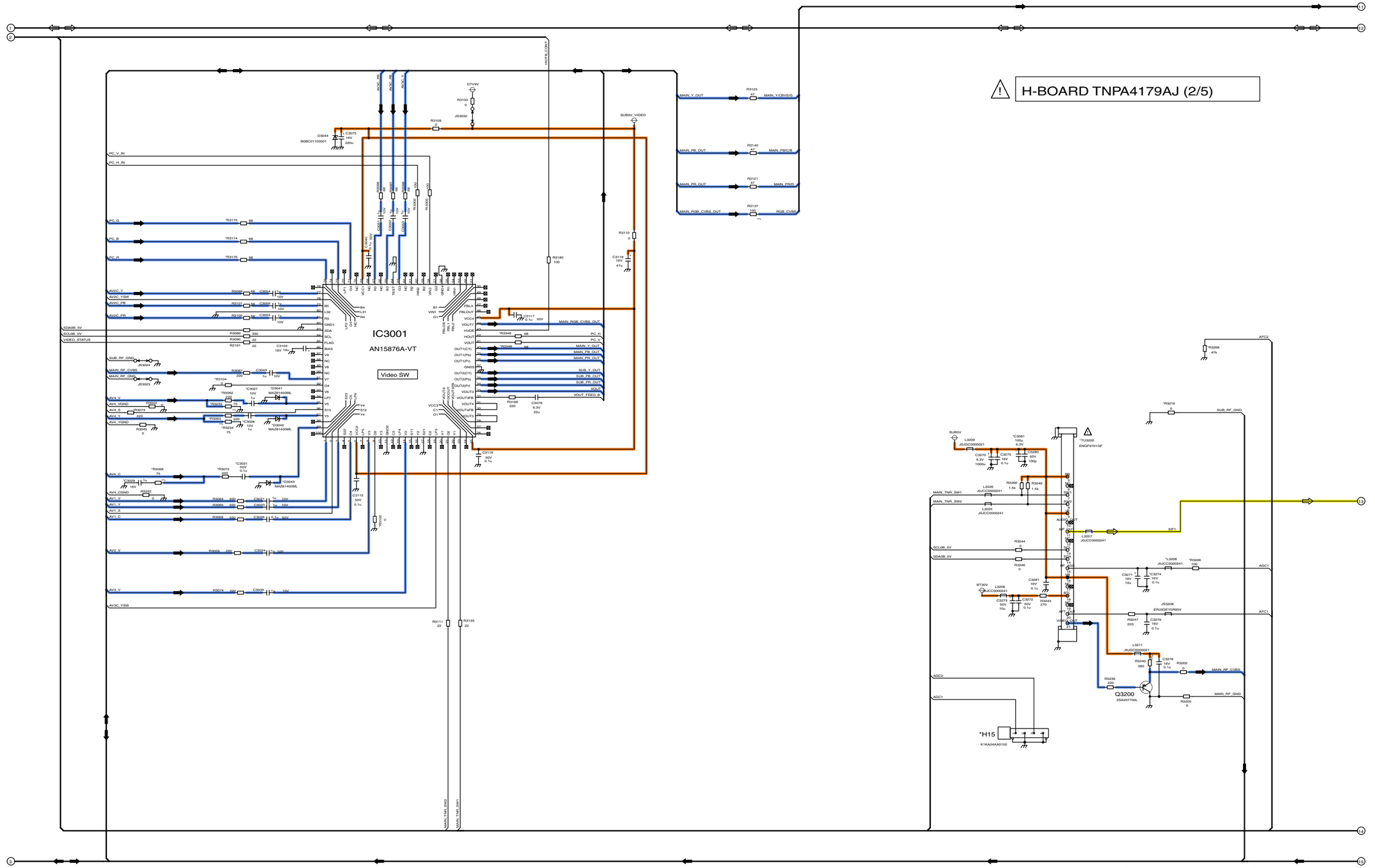
TH-50PV70AZ/H/M/MR/MT
H-Board (2 of 2) Block Diagram

15.10. H-Board (1 of 5) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
H-Board (1 of 5) Schematic Diagram

15.11. H-Board (2 of 5) Schematic Diagram



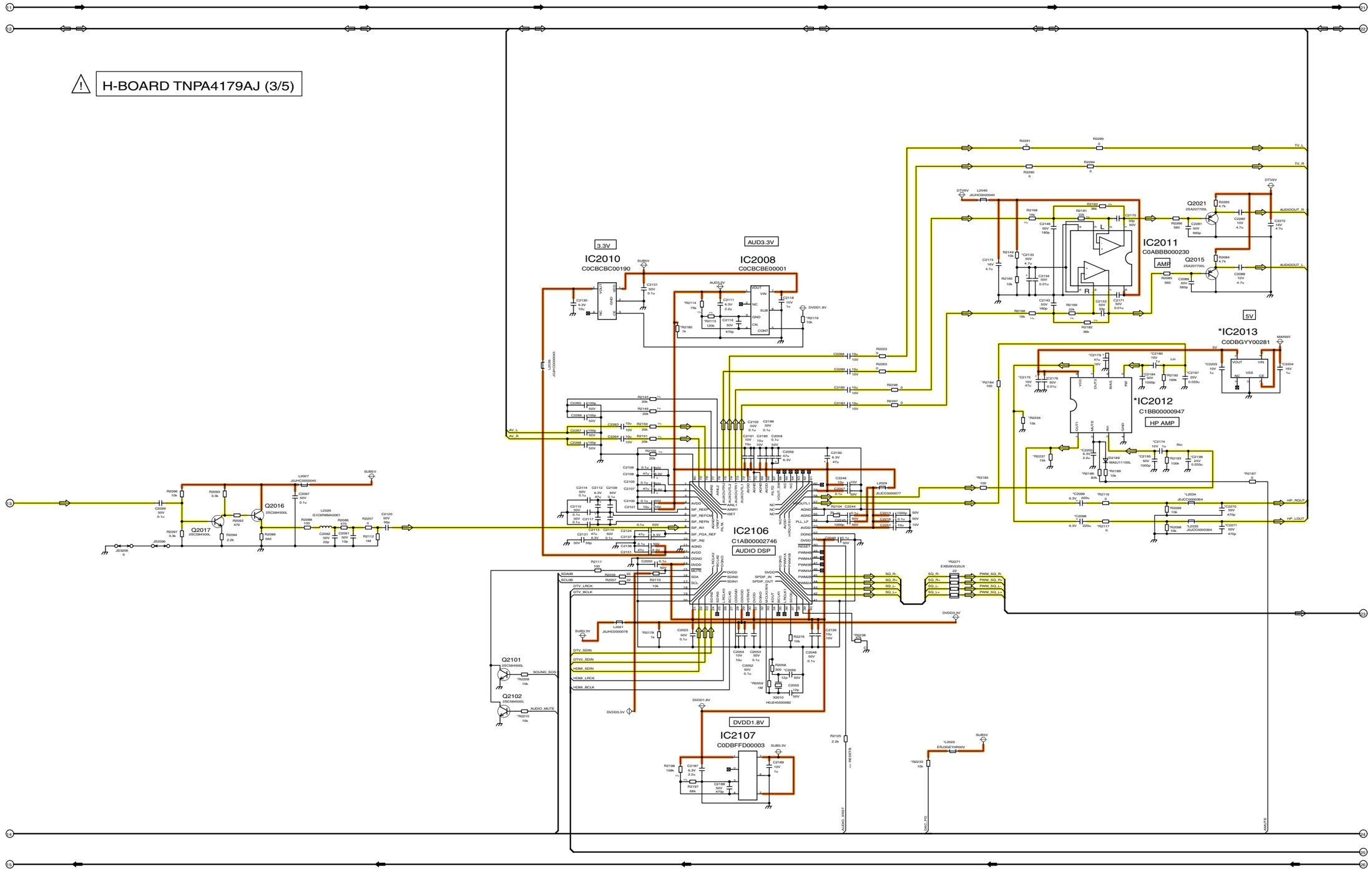
TH-50PV70AZ/H/M/MR/MT
H-Board (2 of 5) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
H-Board (2 of 5) Schematic Diagram

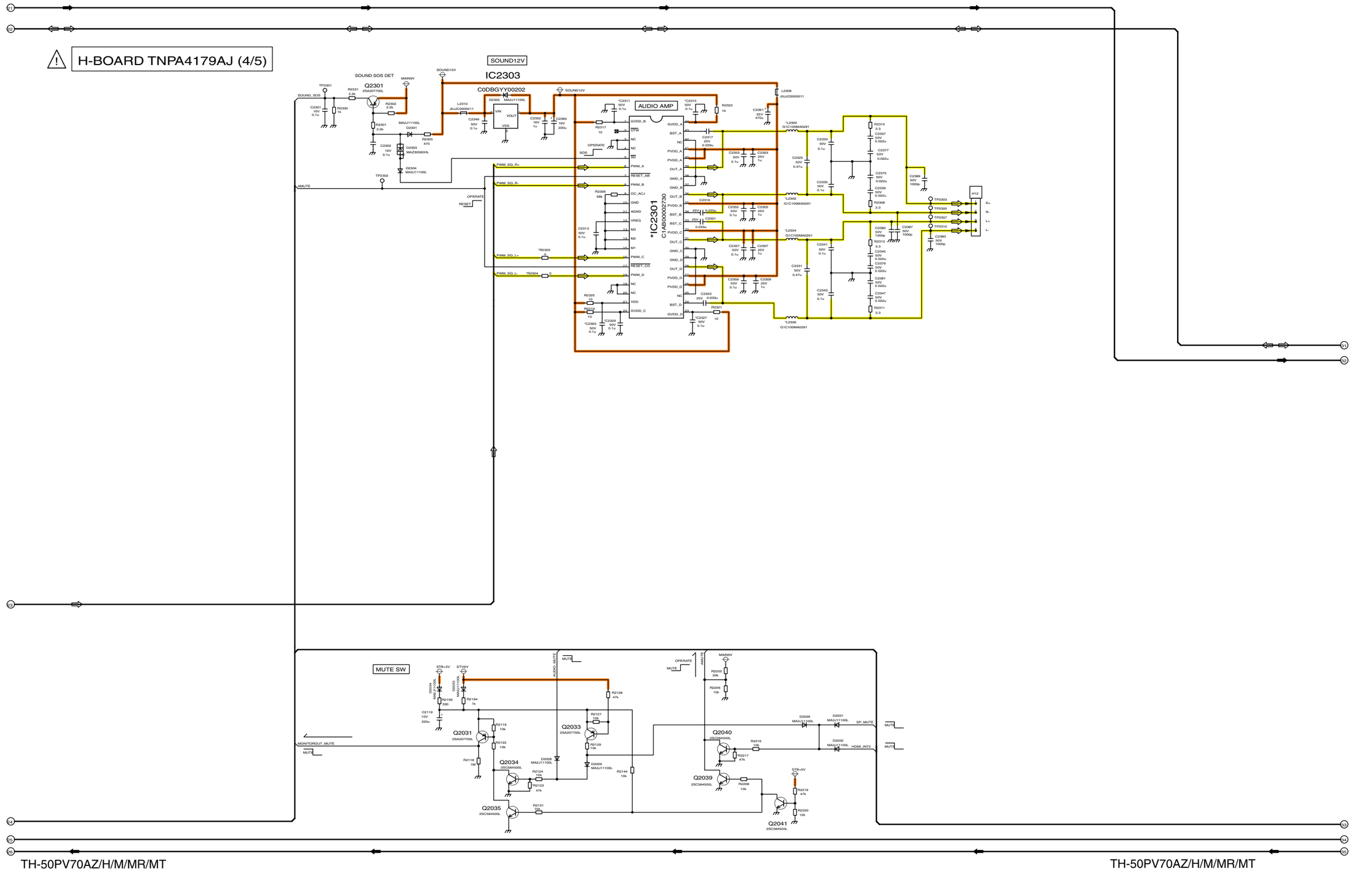
10 11 12 13 14 15 16 17 18

15.12. H-Board (3 of 5) Schematic Diagram

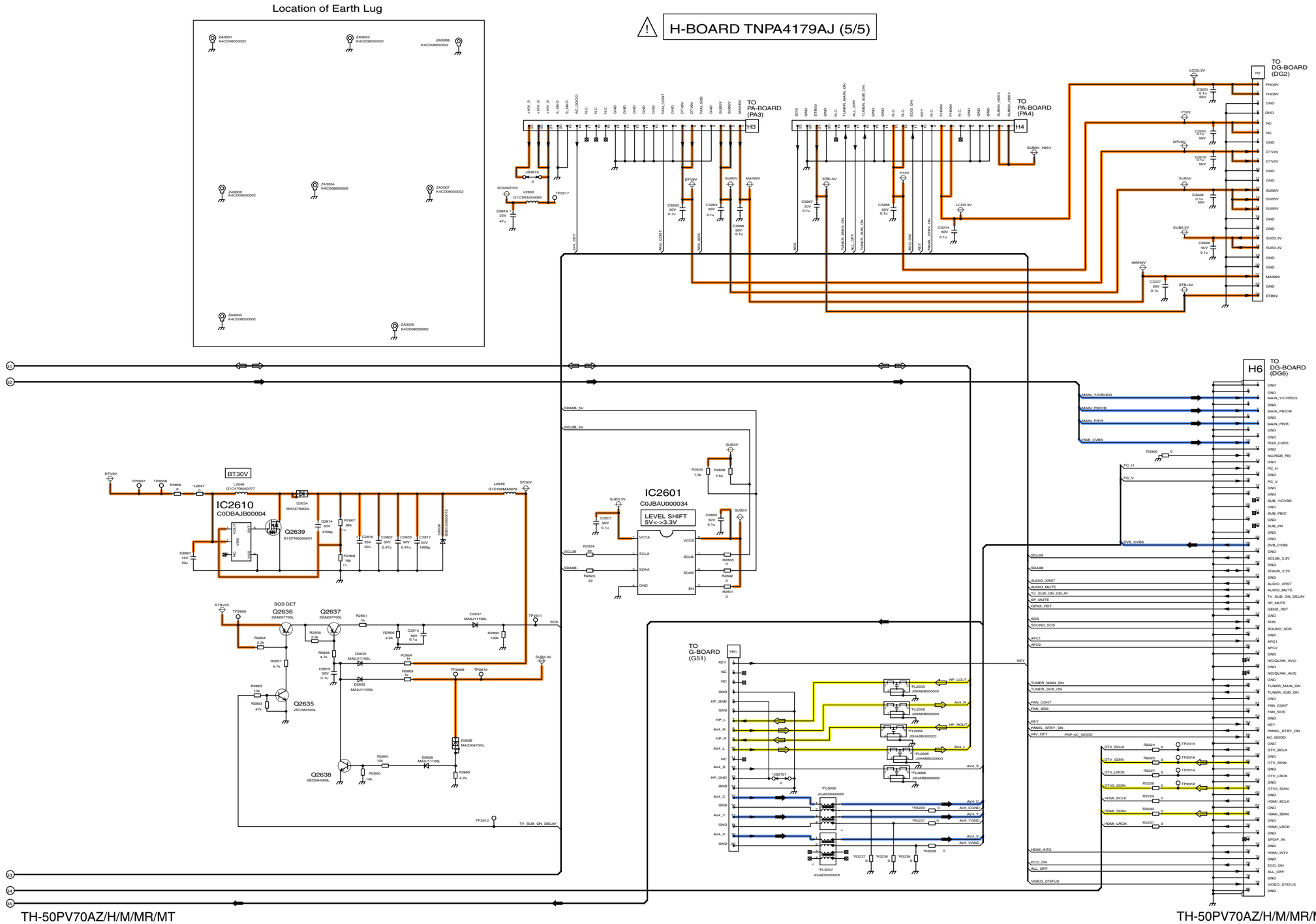
⚠ H-BOARD TNPA4179AJ (3/5)



15.13. H-Board (4 of 5) Schematic Diagram

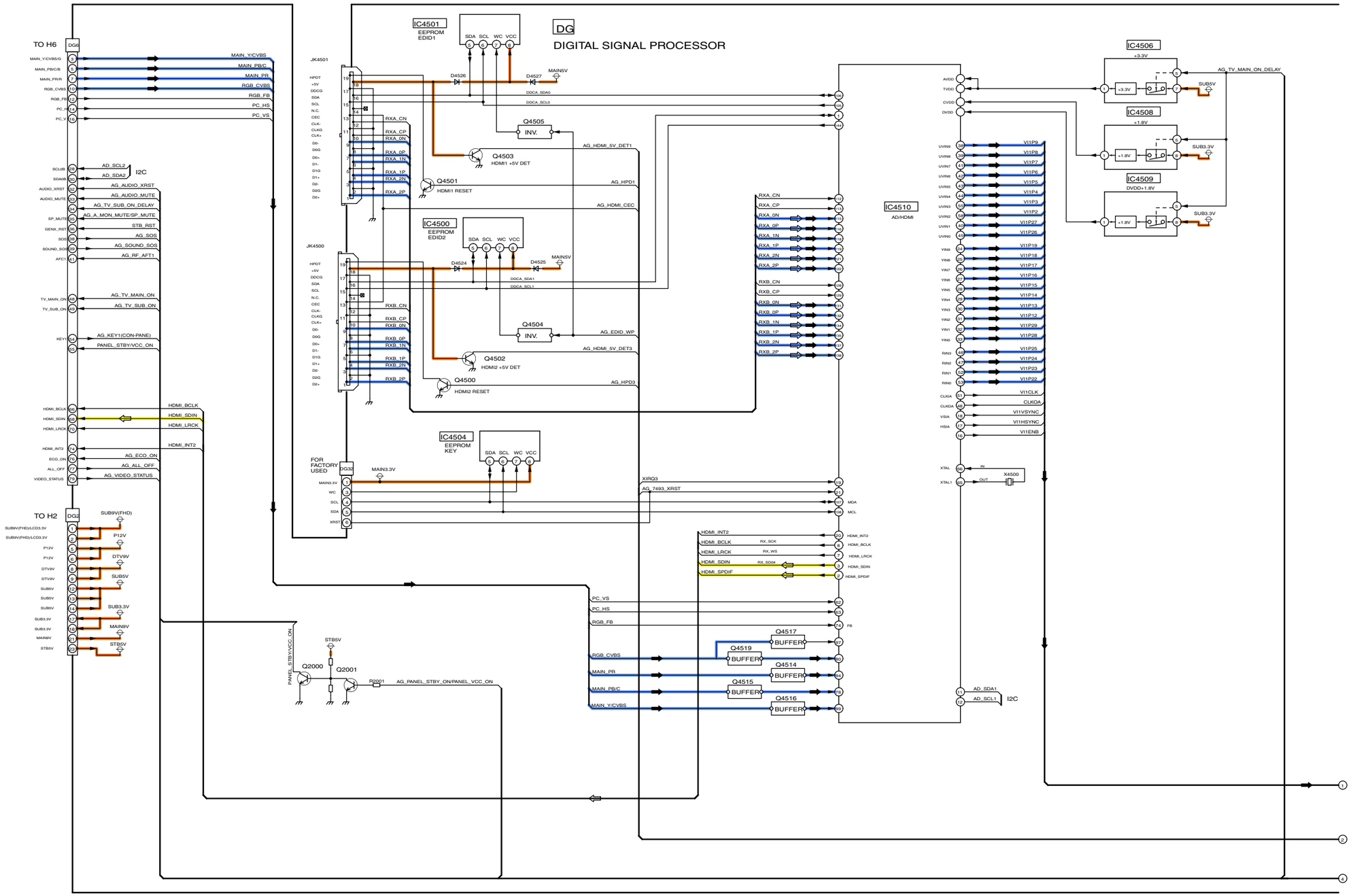


15.14. H-Board (5 of 5) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
H-Board (5 of 5) Schematic Diagram

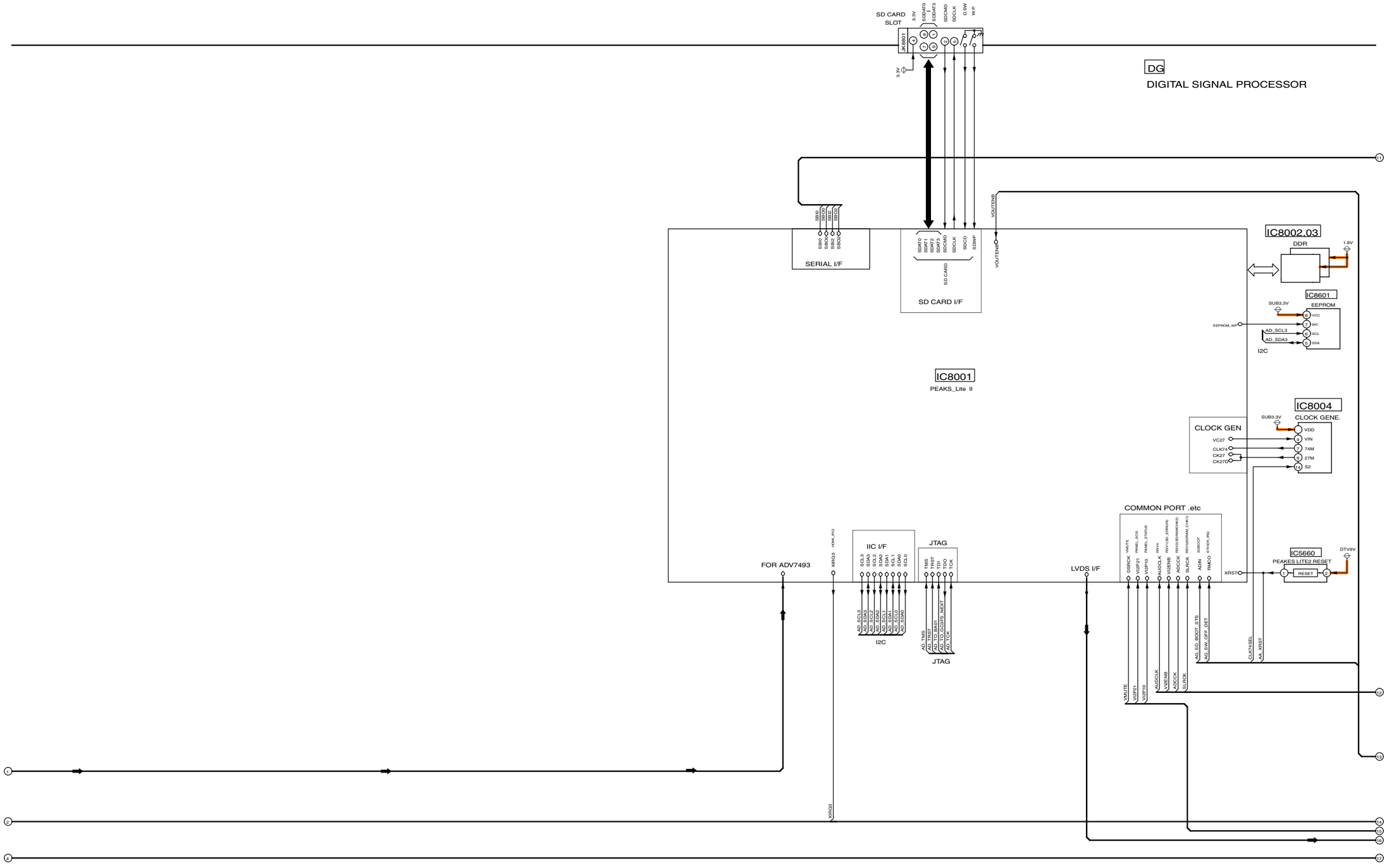
15.15. DG-Board (1 of 3) Block Diagram



TH-50PV70AZ/H/M/MR/MT
DG-Board (1 of 3) Block Diagram

TH-50PV70AZ/H/M/MR/MT
DG-Board (1 of 3) Block Diagram

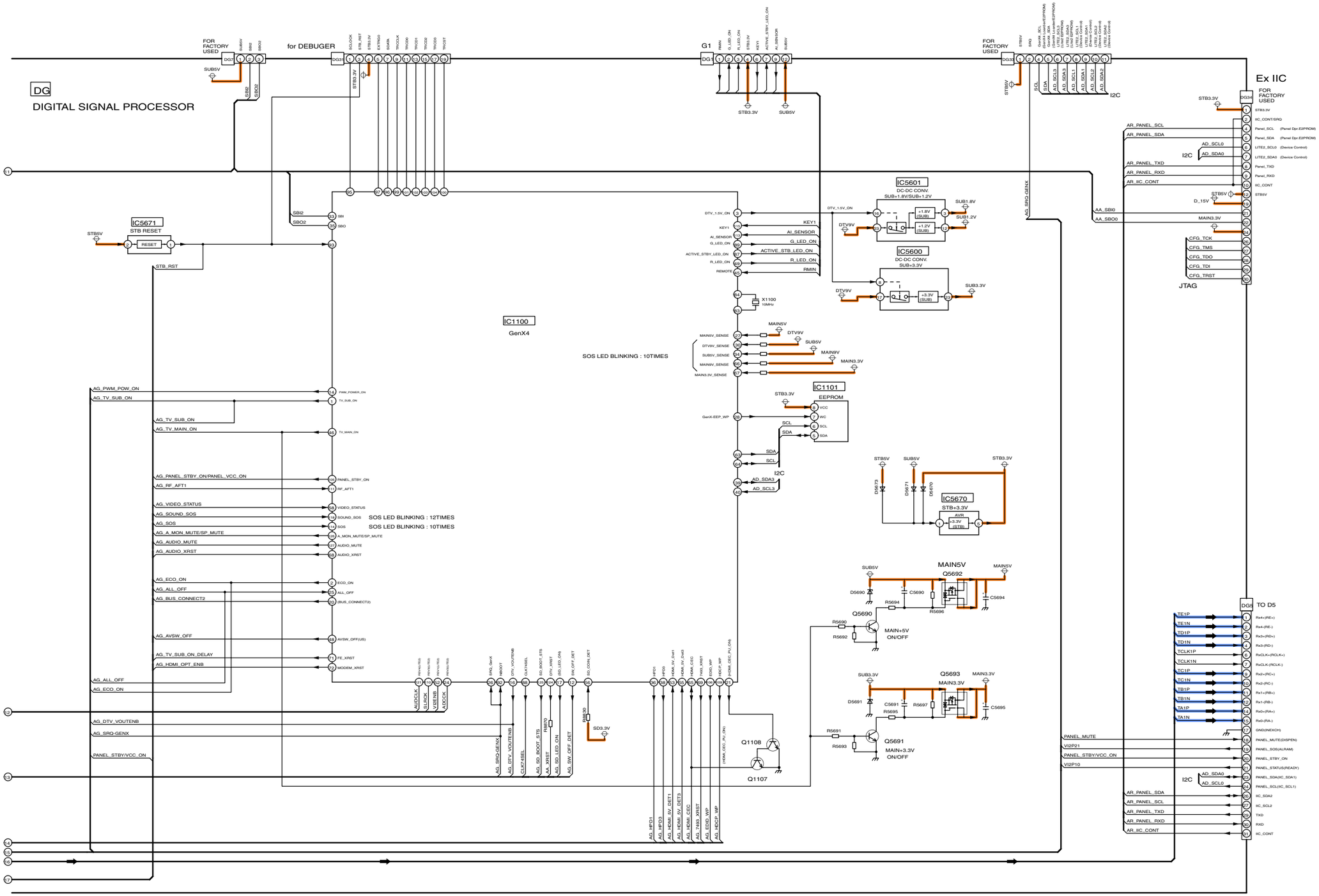
15.16. DG-Board (2 of 3) Block Diagram



TH-50PV70AZ/H/M/MR/MT
DG-Board (2 of 3) Block Diagram

TH-50PV70AZ/H/M/MR/MT
DG-Board (2 of 3) Block Diagram

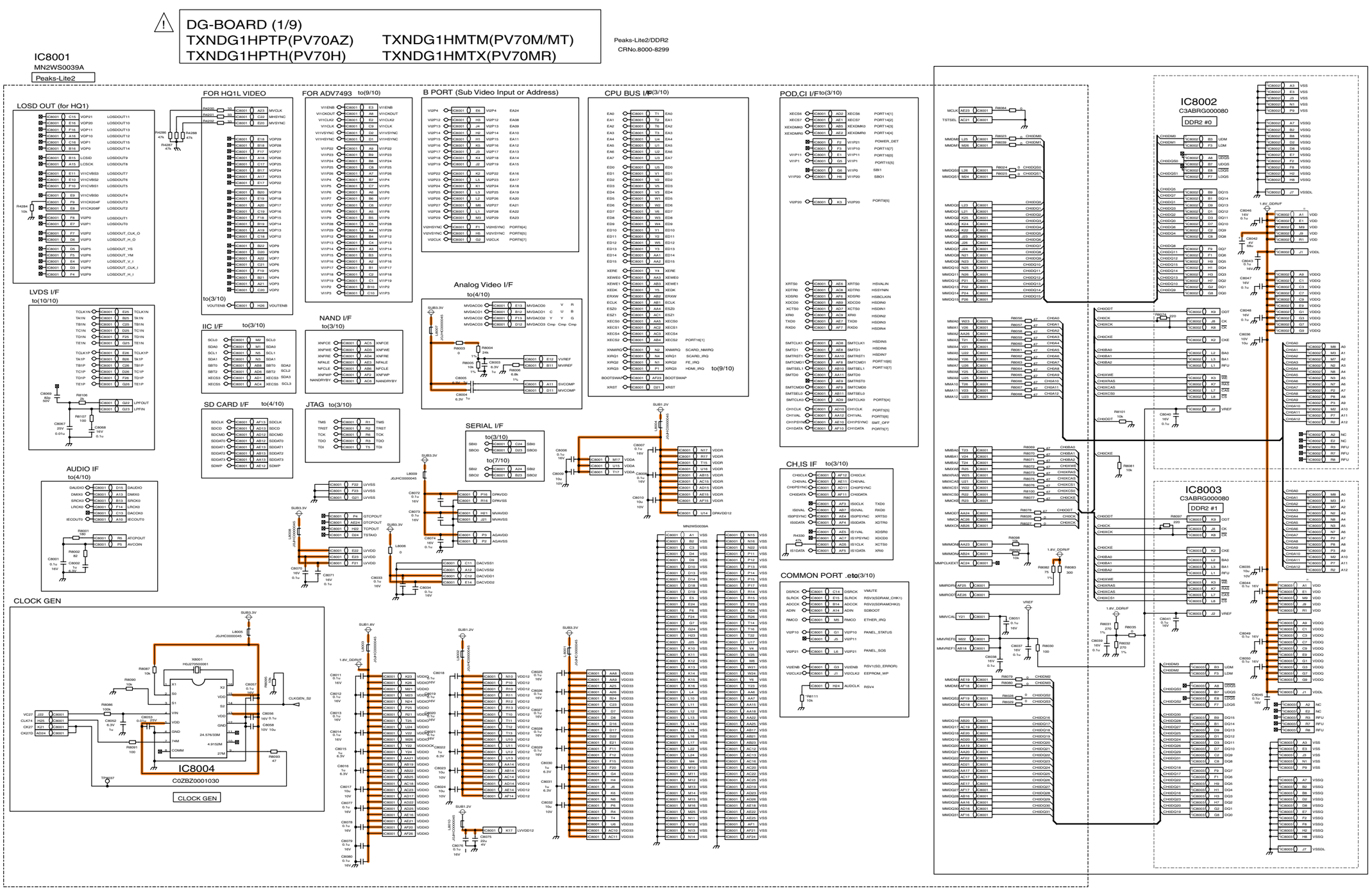
15.17. DG-Board (3 of 3) Block Diagram



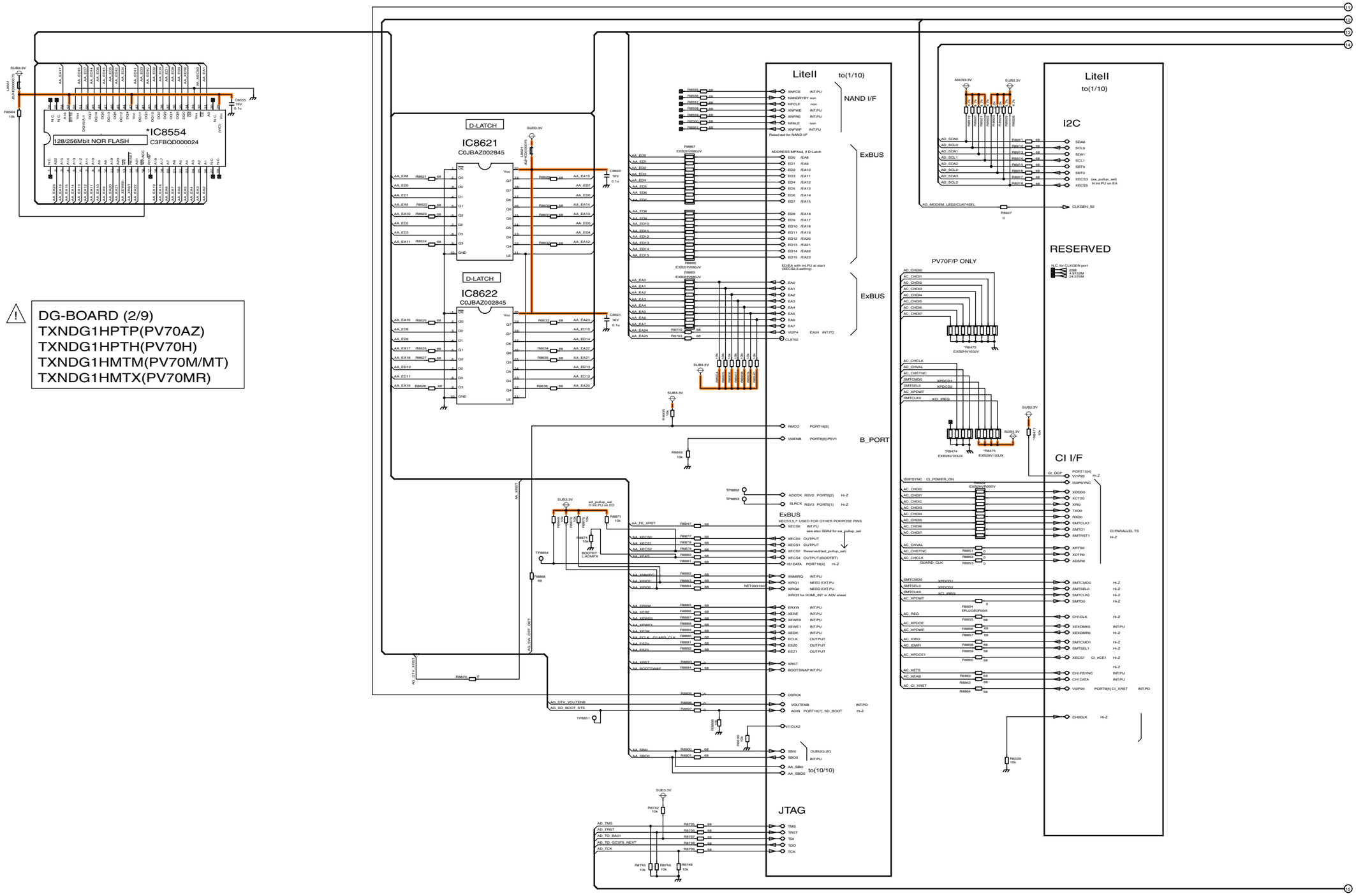
TH-50PV70AZ/H/M/MR/MT
DG-Board (3 of 3) Block Diagram

TH-50PV70AZ/H/M/MR/MT
DG-Board (3 of 3) Block Diagram

15.18. DG-Board (1 of 9) Schematic Diagram

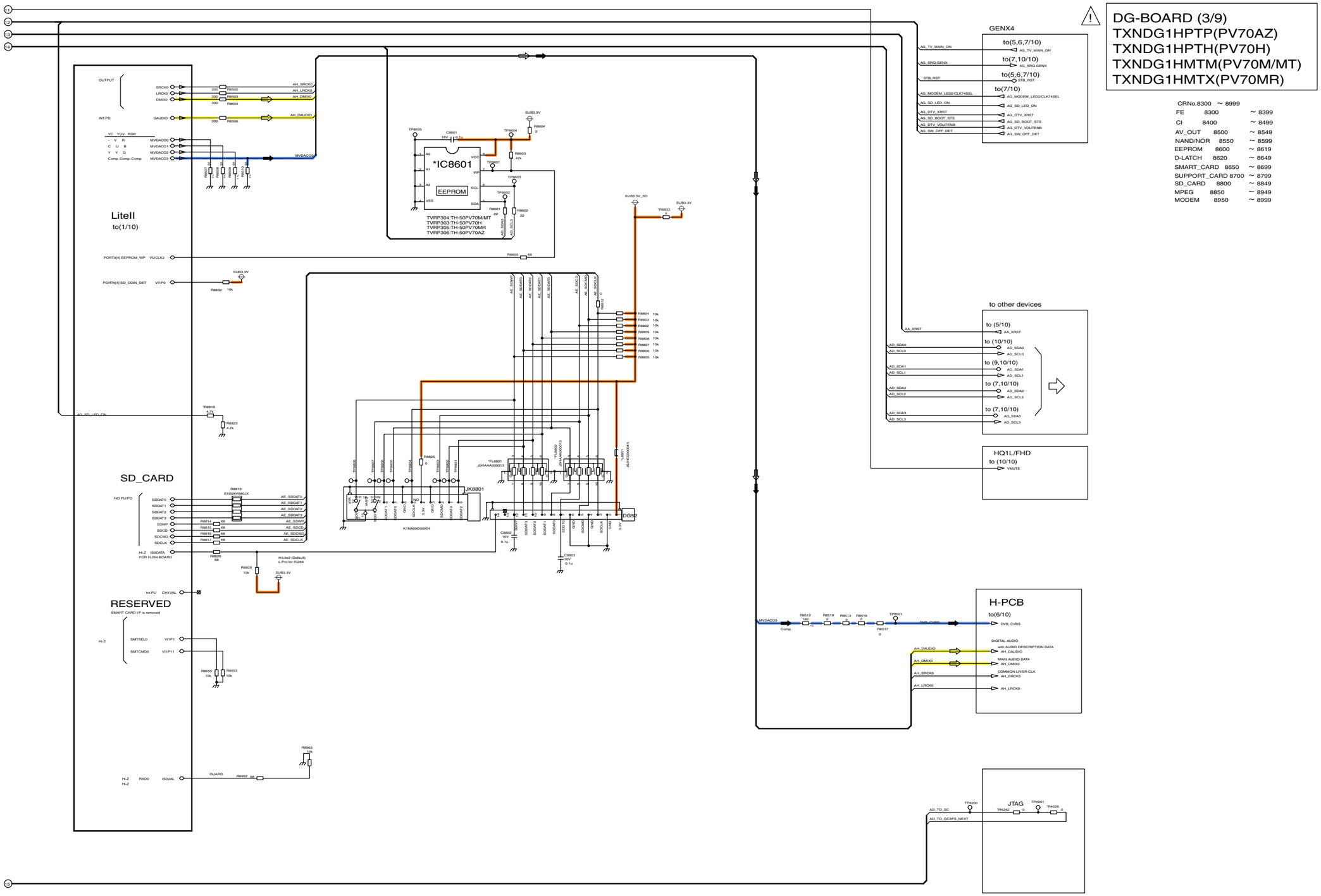


15.19. DG-Board (2 of 9) Schematic Diagram



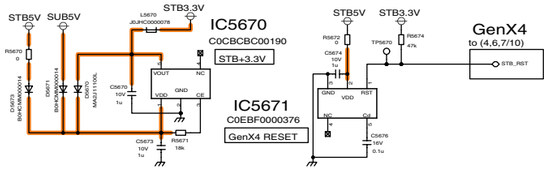
DG-BOARD (2/9)
TXNDG1HPTP(PV70AZ)
TXNDG1HPTH(PV70H)
TXNDG1HMTM(PV70M/MT)
TXNDG1HMTX(PV70MR)

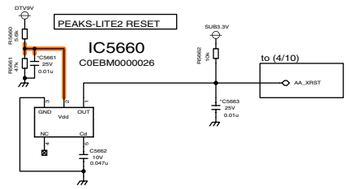
15.20. DG-Board (3 of 9) Schematic Diagram

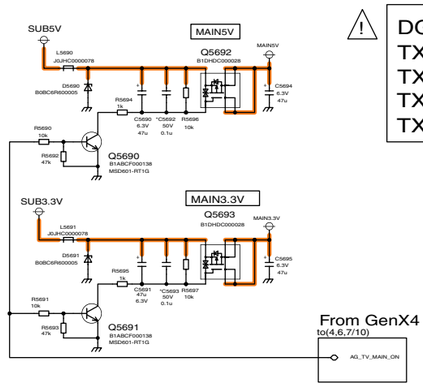


TH-50PV70AZ/H/M/MR/MT
DG-Board (3 of 9) Schematic Diagram

15.21. DG-Board (4 of 9) Schematic Diagram



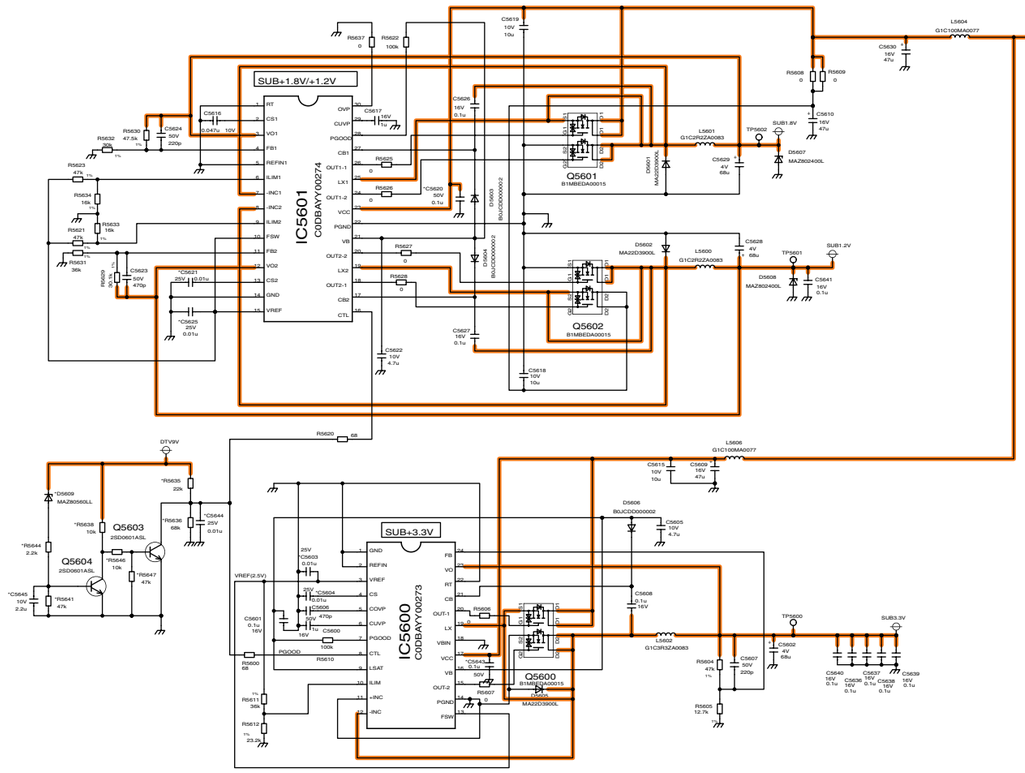


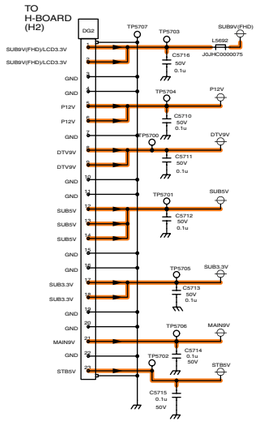


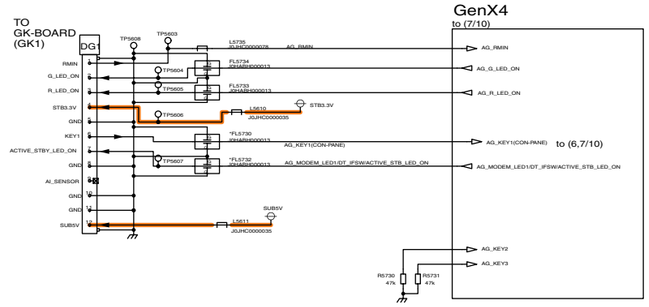
DG-BOARD (4/9)
TXNDG1HPTP(PV70AZ)
TXNDG1HPTH(PV70H)
TXNDG1HMTM(PV70M/MT)
TXNDG1HMTX(PV70MR)

CRNo.5600-5749

Peaks-LITE2 POWER 5600	~ 5659
Peaks-LITE2 RST 5660	~ 5669
GenX4 POWER/RST 5670	~ 5689
MAIN5V/MAIN3.3V 5690	~ 5709
DG-H Connecter 5710	~ 5729
DG-G Connecter 5730	~ 5749







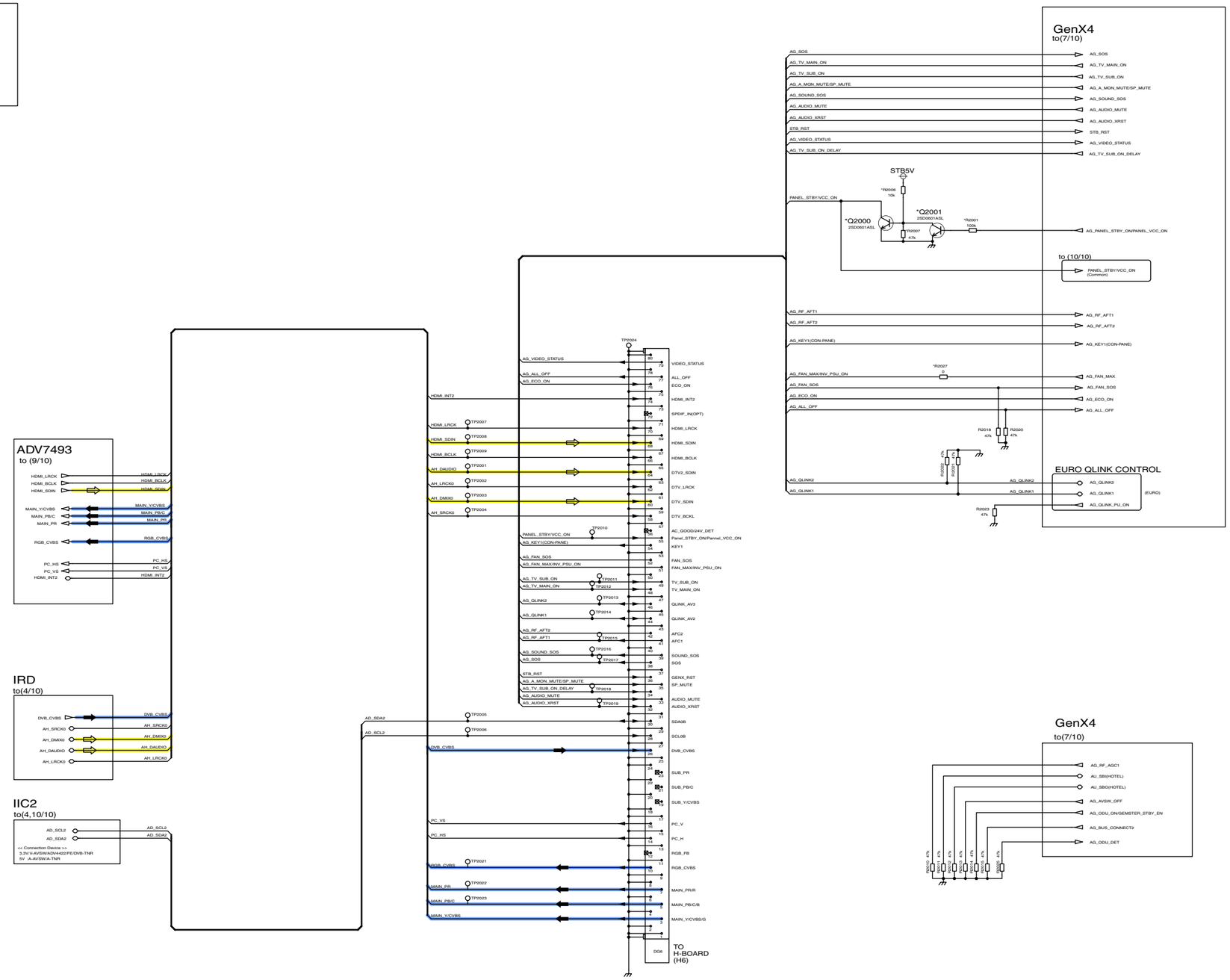
PIN	EURO/ASIA
1	RMIN
2	G_LED_ON
3	R_LED_ON
4	STB3.3V
5	GND
6	KEY1
7	ACTIVE_STBY_LED_ON
8	GND
9	AI_SENSOR
10	GND
11	GND
12	SUB5V

15.22. DG-Board (5 of 9) Schematic Diagram

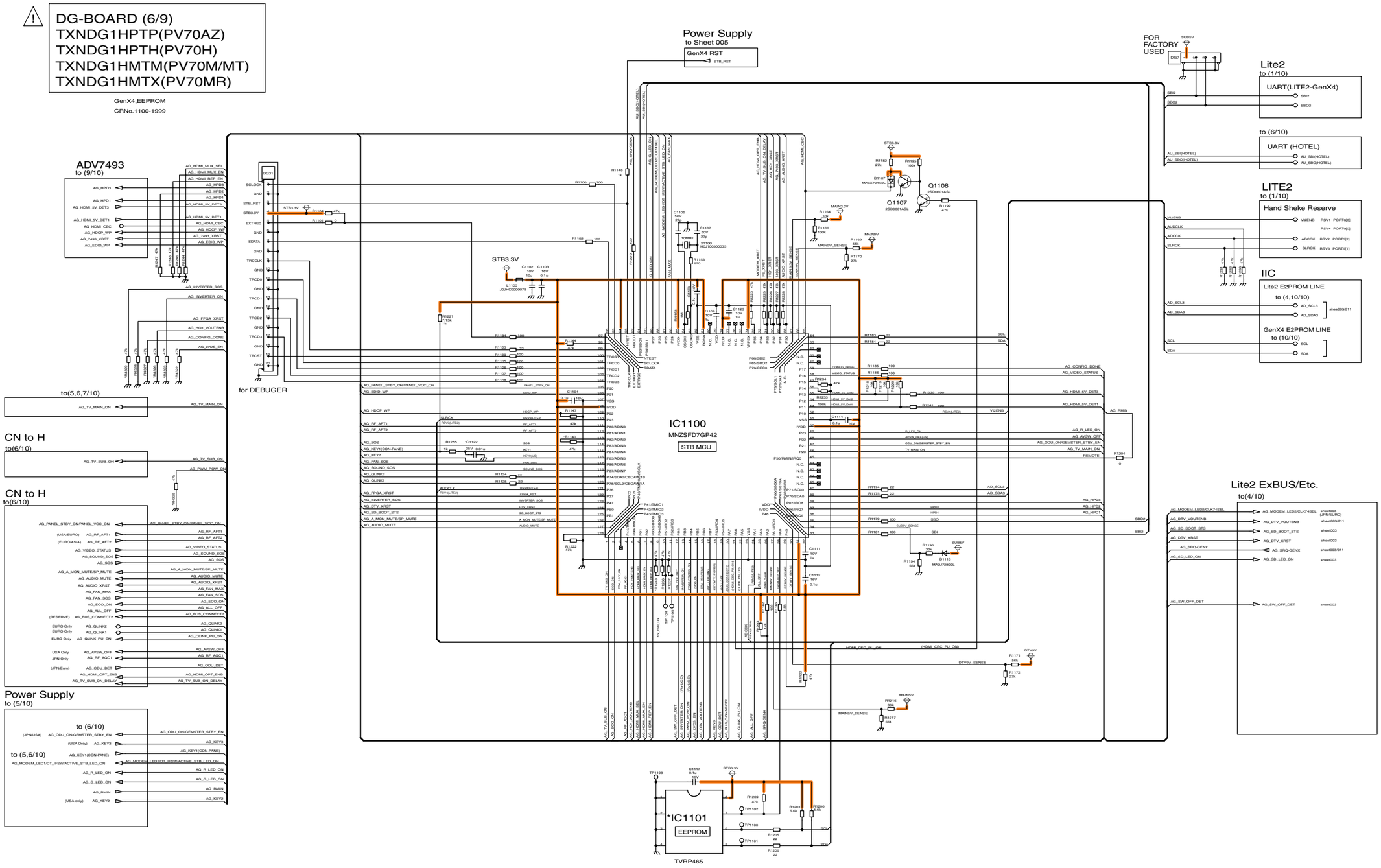
DG-BOARD (5/9)
TXNDG1HPTP(PV70AZ)
TXNDG1HPTH(PV70H)
TXNDG1HMTM(PV70M/MT)
TXNDG1HMTX(PV70MR)

CN to H

CRNo.3000-3199:AVSW
CRNo.2000-2299:Without AVSW
CRNo.2699-2999:Without AVSW



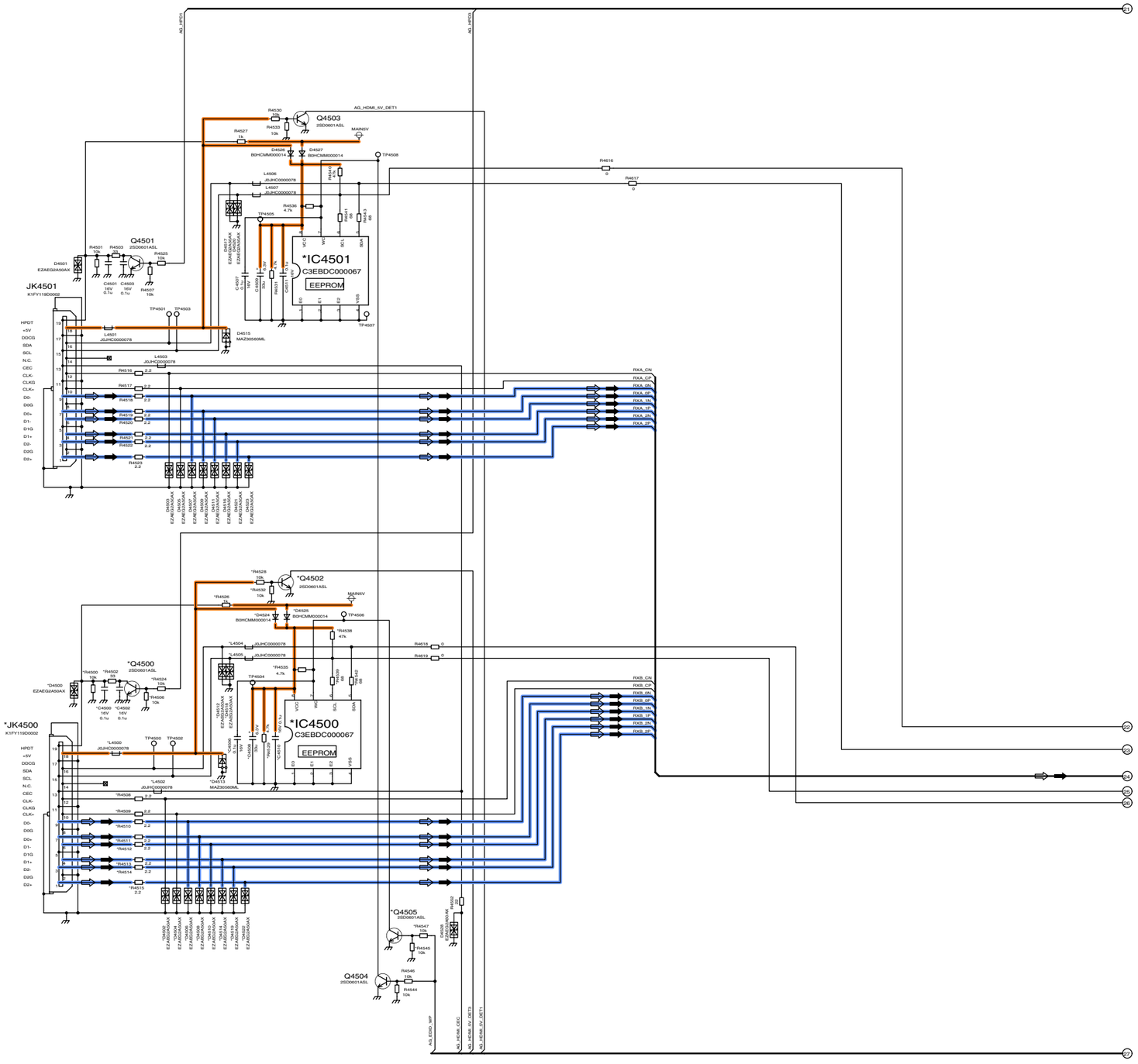
15.23. DG-Board (6 of 9) Schematic Diagram



15.24. DG-Board (7 of 9) Schematic Diagram

DG-BOARD (7/9)
TXNDG1HPTP(PV70AZ)
TXNDG1HPTH(PV70H)
TXNDG1HMTM(PV70M/MT)
TXNDG1HMTX(PV70MR)

ADV7493,HDMI-Mux
CRNo.4500-4799

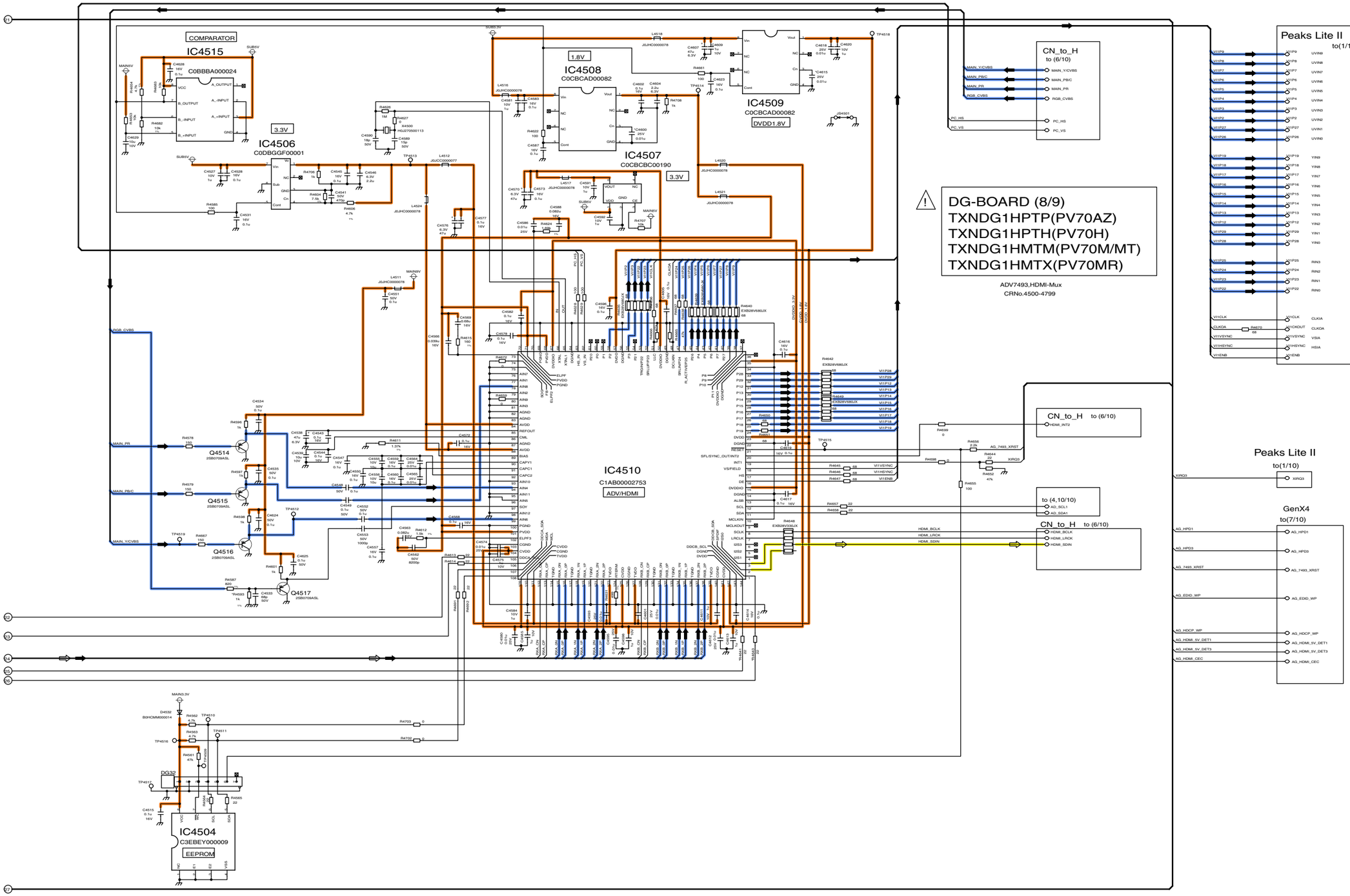


TH-50PV70AZ/H/M/MR/MT
DG-Board (7 of 9) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
DG-Board (7 of 9) Schematic Diagram

55 56 57 58 59 60 61 62 63

15.25. DG-Board (8 of 9) Schematic Diagram

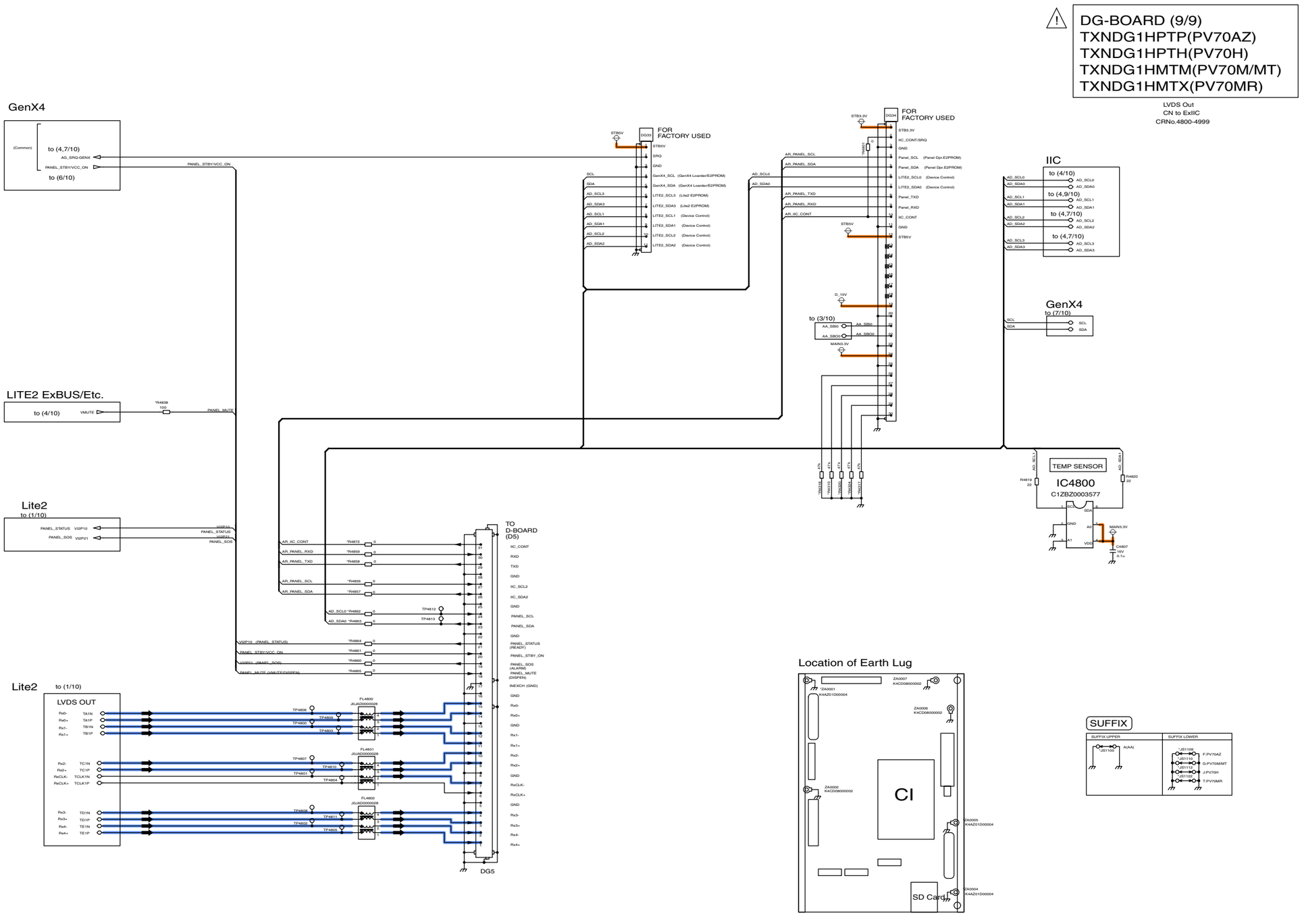


TH-50PV70AZ/H/M/MR/MT
DG-Board (8 of 9) Schematic Diagram

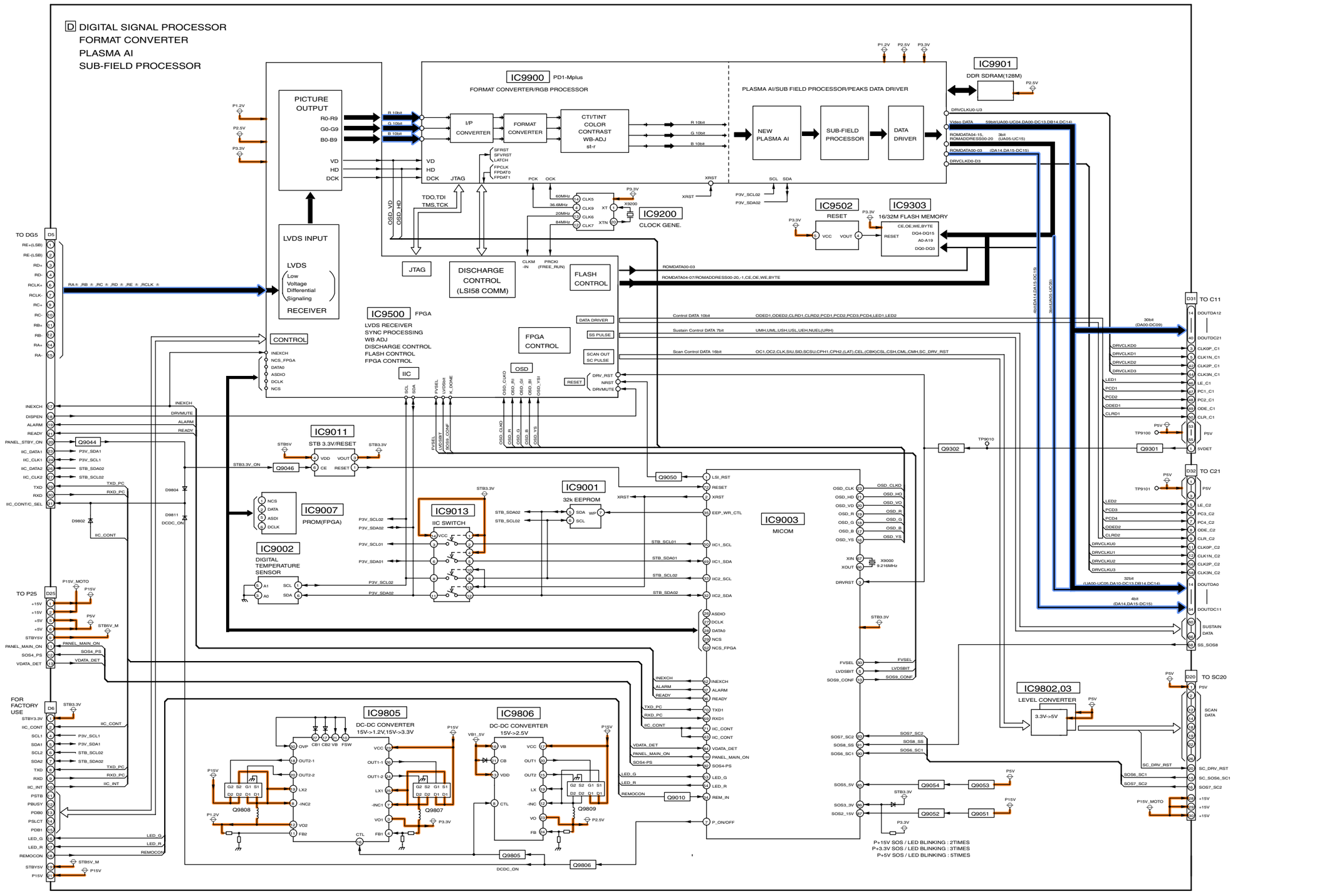
TH-50PV70AZ/H/M/MR/MT
DG-Board (8 of 9) Schematic Diagram

64 65 66 67 68 69 70 71 72

15.26. DG-Board (9 of 9) Schematic Diagram



15.27. D-Board Block Diagram

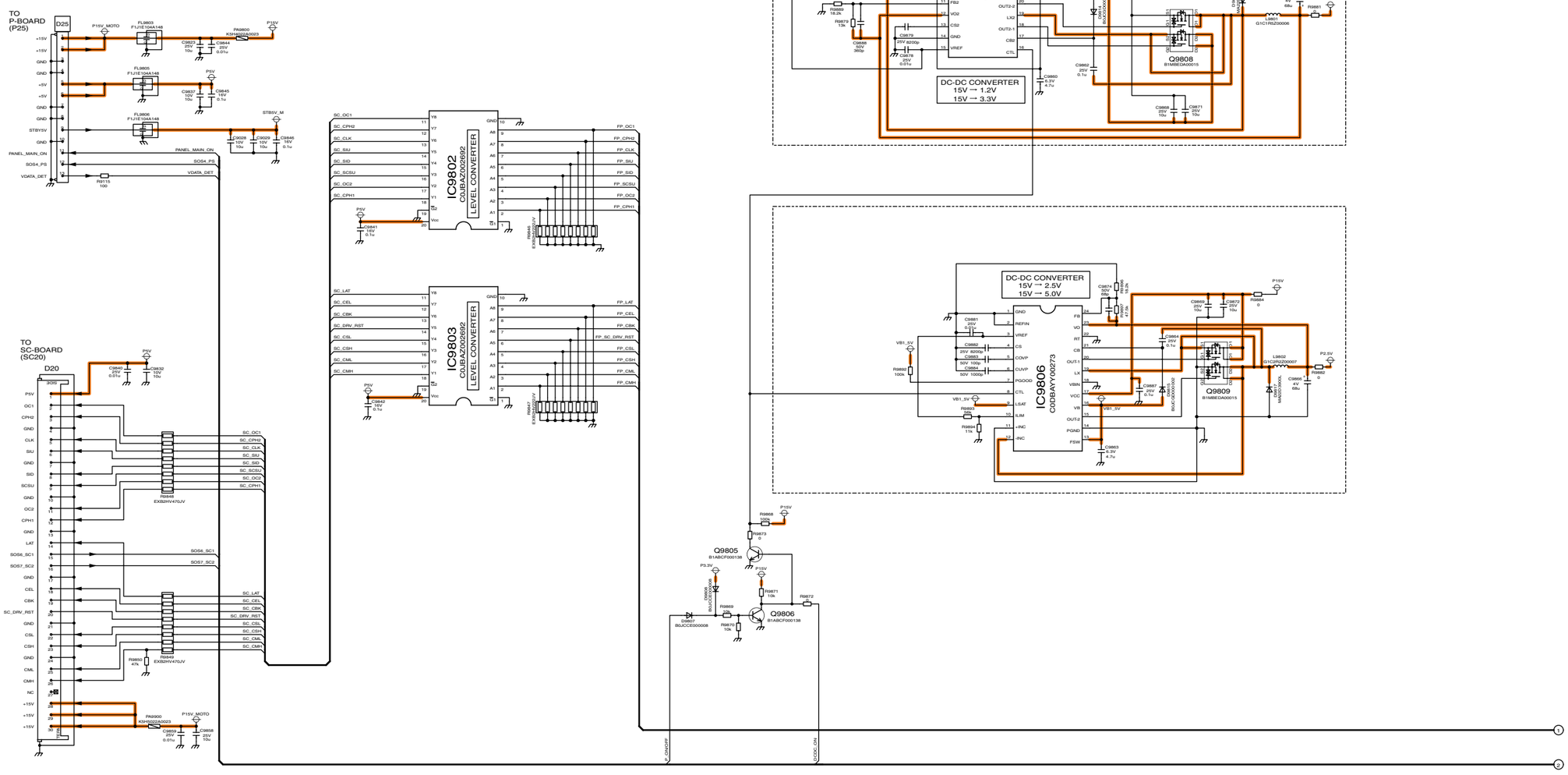


TH-50PV70AZ/H/M/MR/MT
D-Board Block Diagram

TH-50PV70AZ/H/M/MR/MT
D-Board Block Diagram

15.28. D-Board (1 of 6) Schematic Diagram

D-BOARD TZTNP01HMTP (1/6)

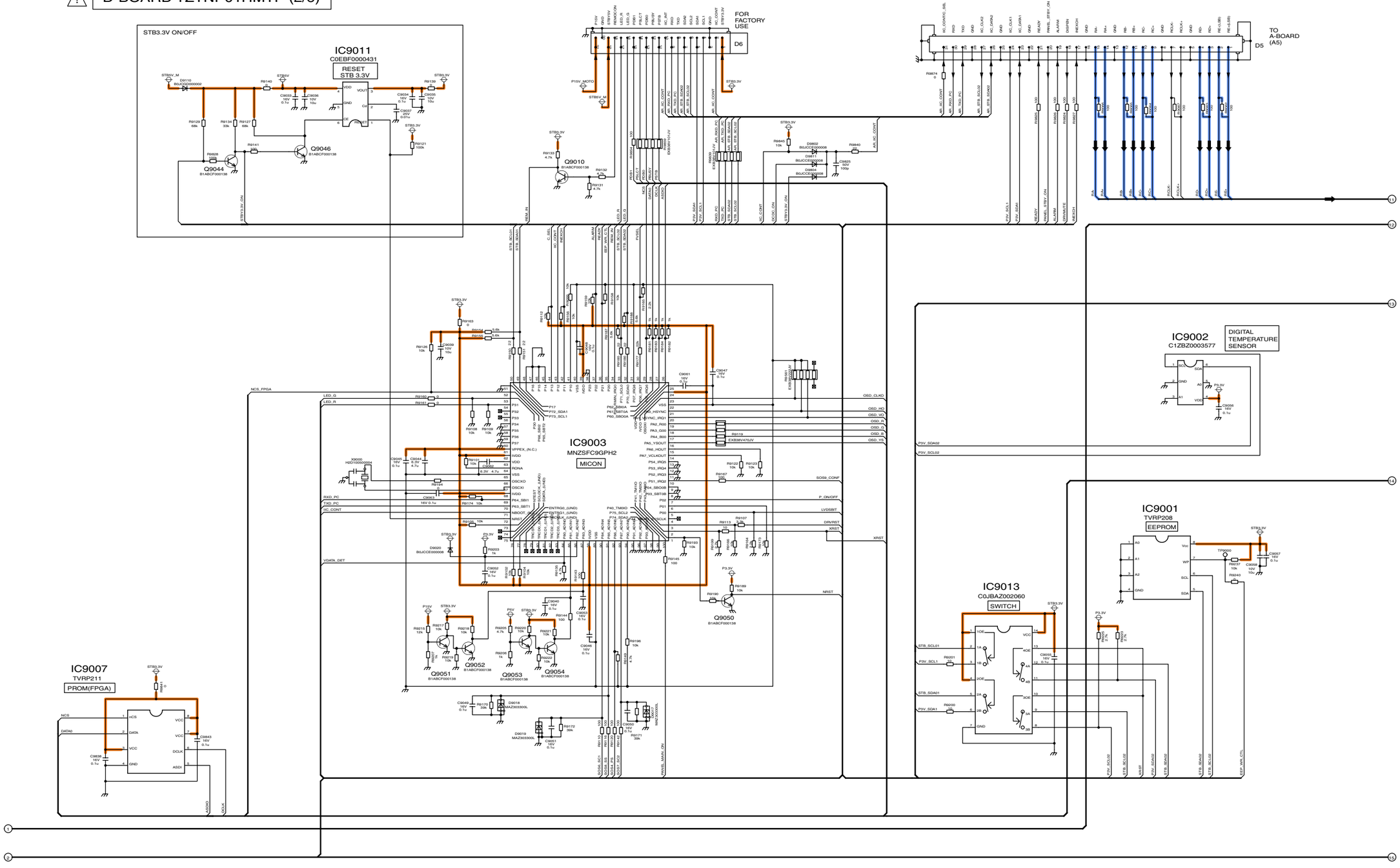


TH-50PV70AZ/H/M/MR/MT
D-Board (1 of 6) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
D-Board (1 of 6) Schematic Diagram

15.29. D-Board (2 of 6) Schematic Diagram

⚠ D-BOARD TZTNP01HMTP (2/6)

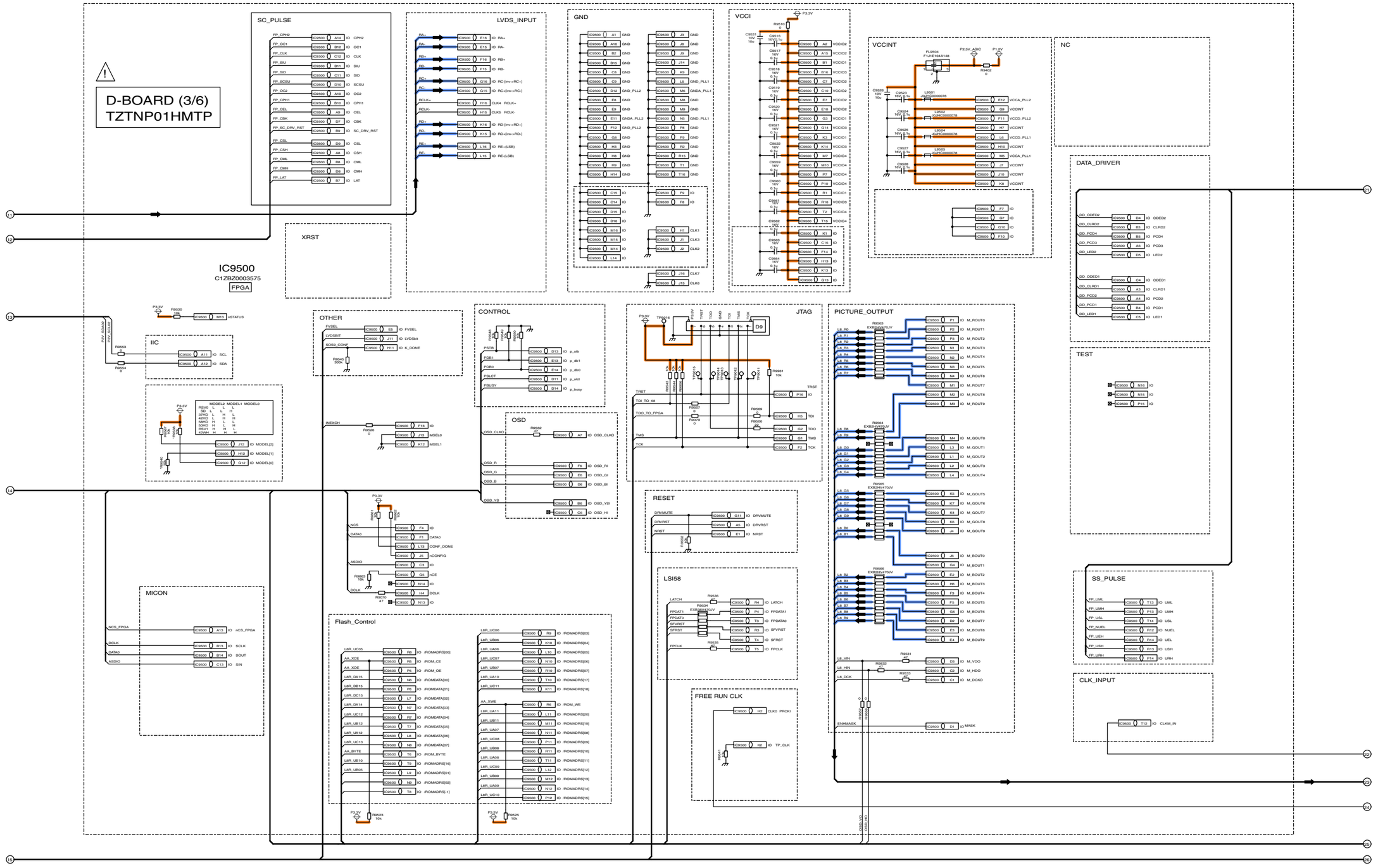


TH-50PV70AZ/H/M/MR/MT
D-Board (2 of 6) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
D-Board (2 of 6) Schematic Diagram

10 11 12 13 14 15 16 17 18

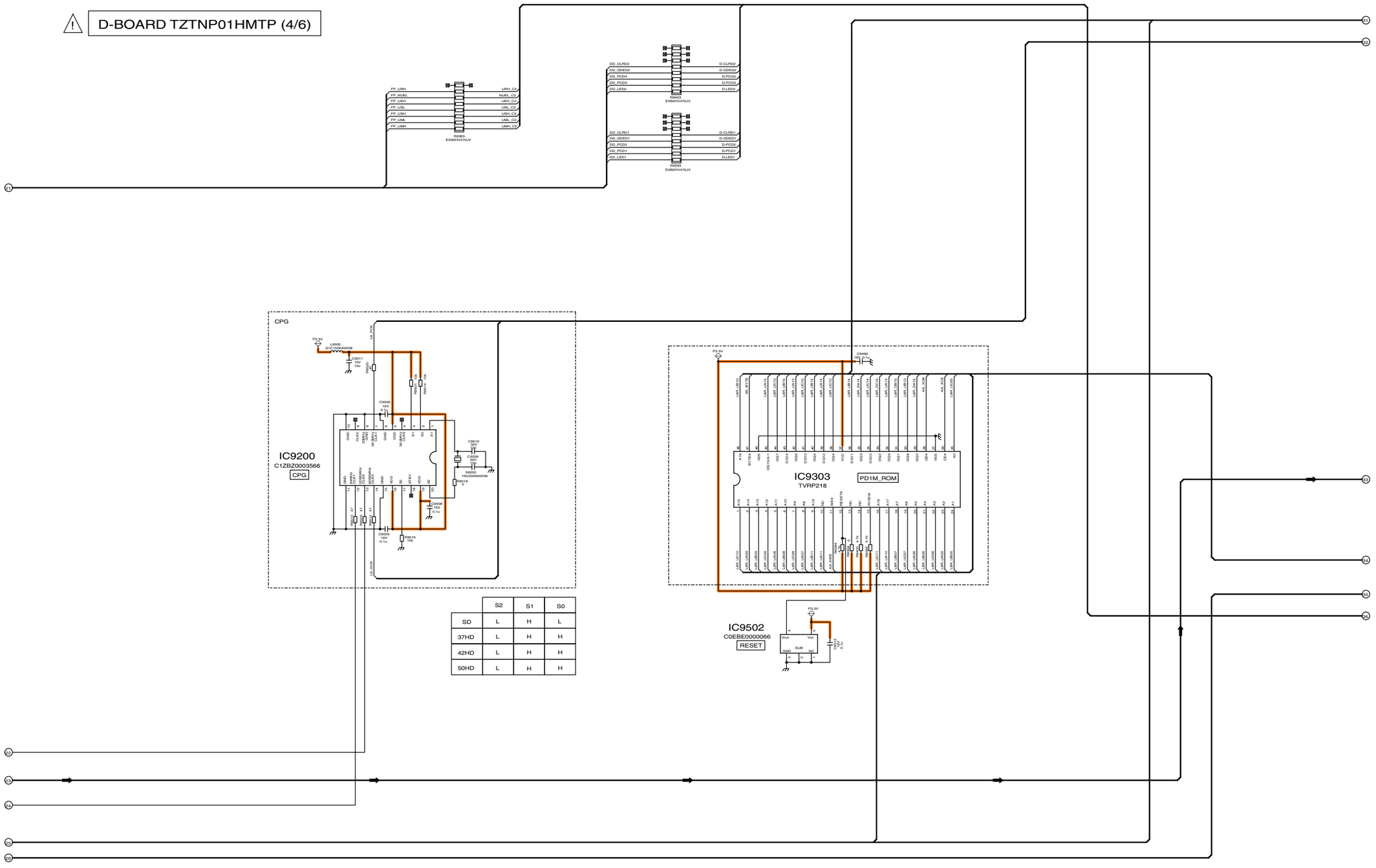
15.30. D-Board (3 of 6) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
D-Board (3 of 6) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
D-Board (3 of 6) Schematic Diagram

15.31. D-Board (4 of 6) Schematic Diagram



15.32. D-Board (5 of 6) Schematic Diagram

D-BOARD TZTNP01HMTP (5/6)

IC9900
MN84524
PD1-Mplus

TO DDR

IIC

TO C1-BOARD (C11)

DOWN_LEFT

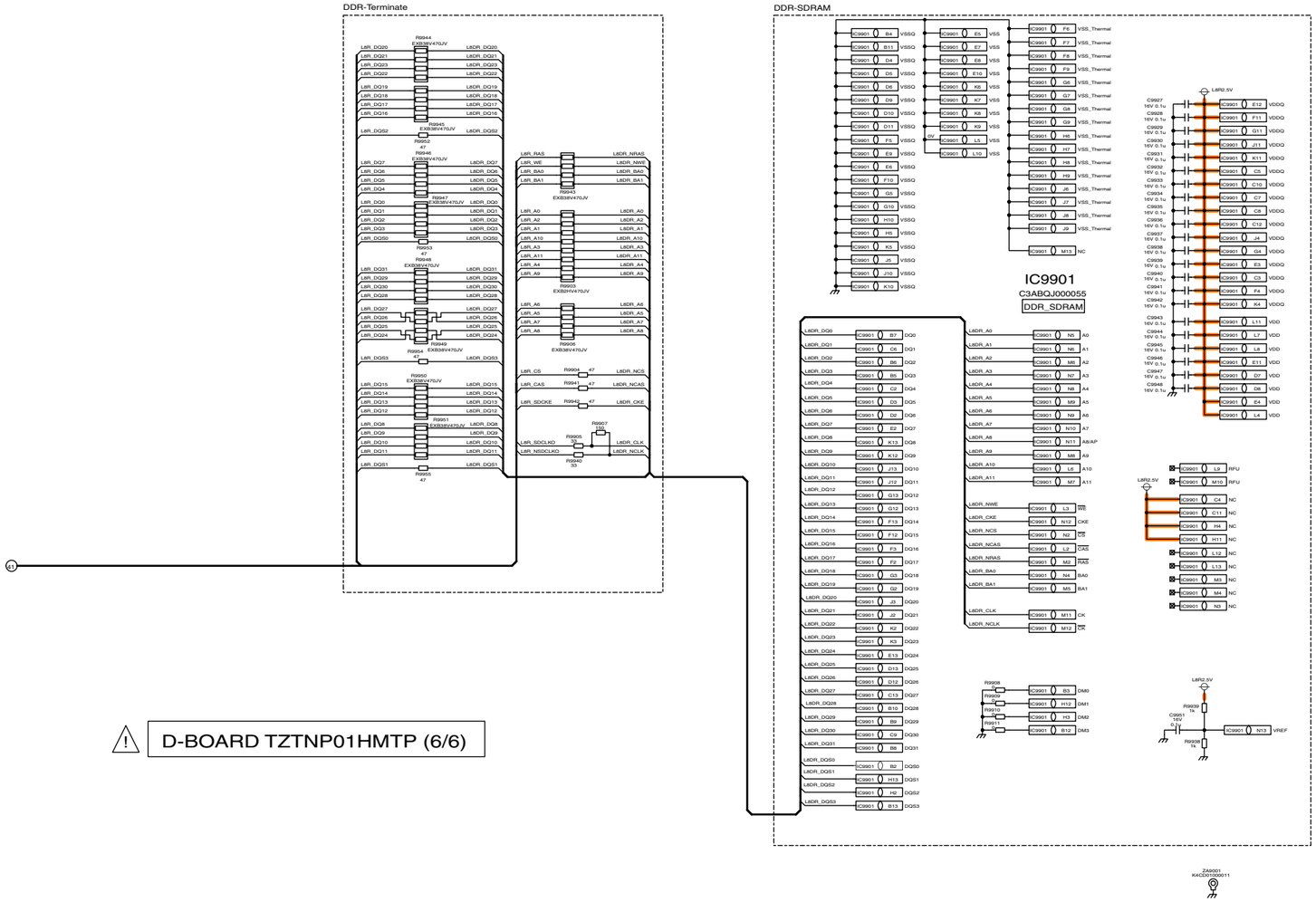
TO C2-BOARD (C21)

DOWN_RIGHT

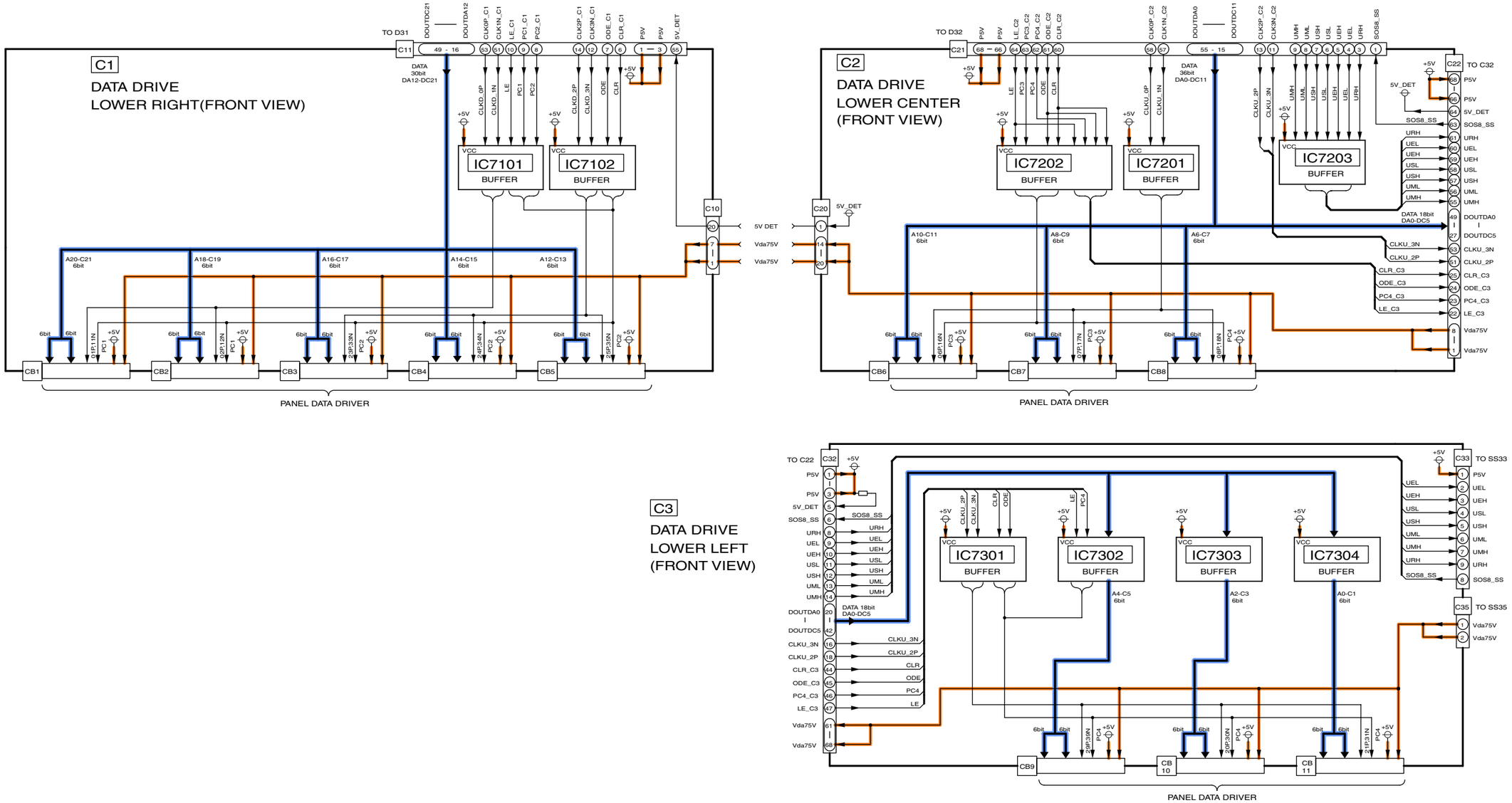
TH-50PV70AZ/H/M/MR/MT
D-Board (5 of 6) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
D-Board (5 of 6) Schematic Diagram

15.33. D-Board (6 of 6) Schematic Diagram

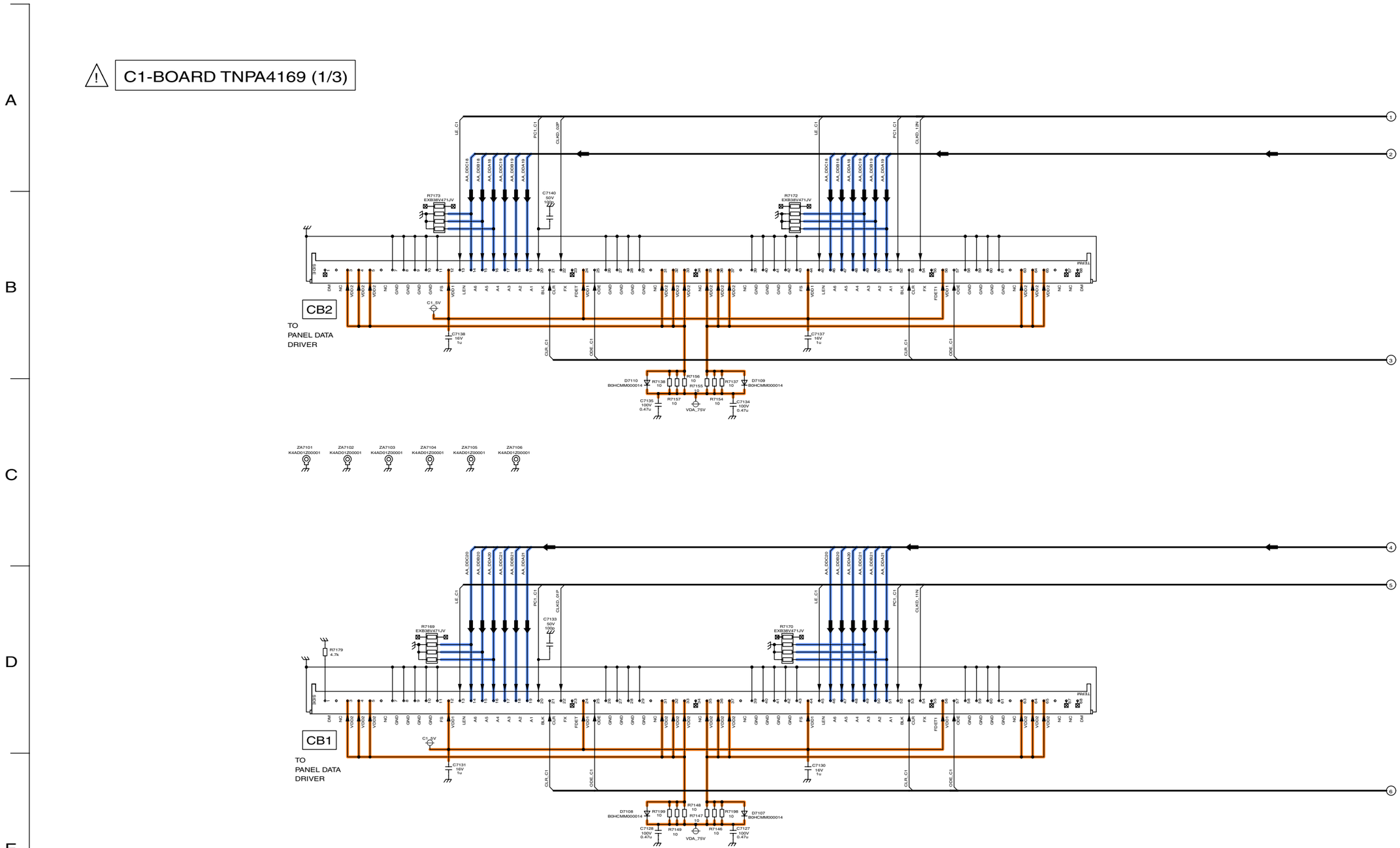


15.34. C1, C2 and C3-Board Block Diagram



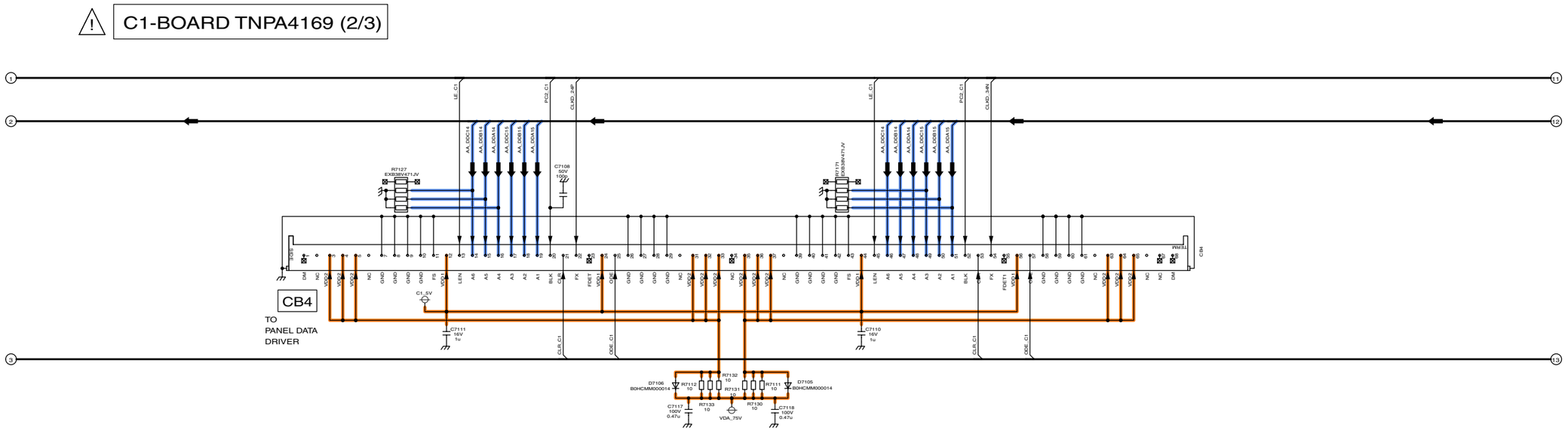
TH-50PV70AZ/H/M/MR/MT
C1, C2 and C3-Board Block Diagram

15.35. C1-Board (1 of 3) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
C1-Board (1 of 3) Schematic Diagram

15.36. C1-Board (2 of 3) Schematic Diagram

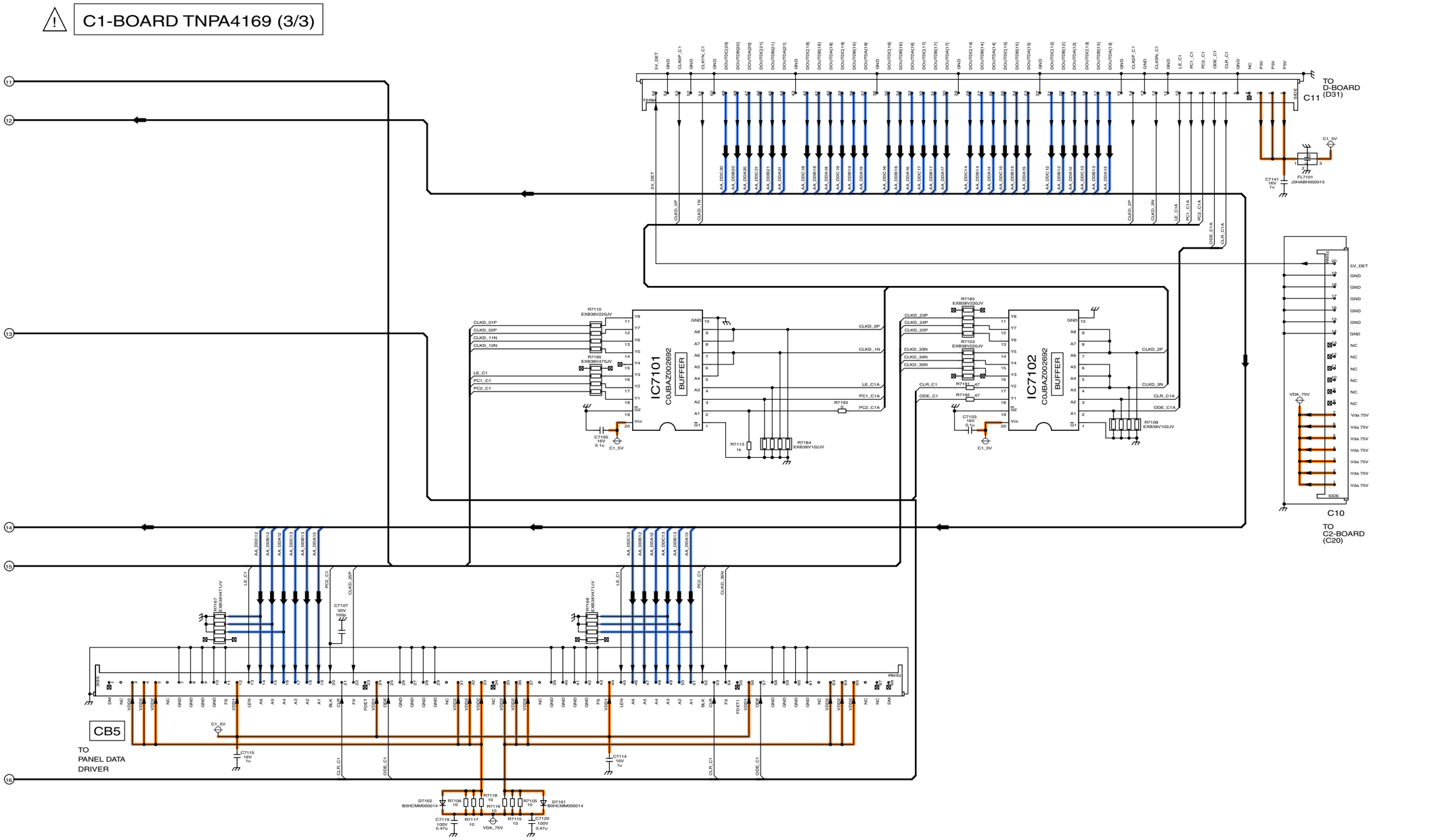


TH-50PV70AZ/H/M/MR/MT
C1-Board (2 of 3) Schematic Diagram

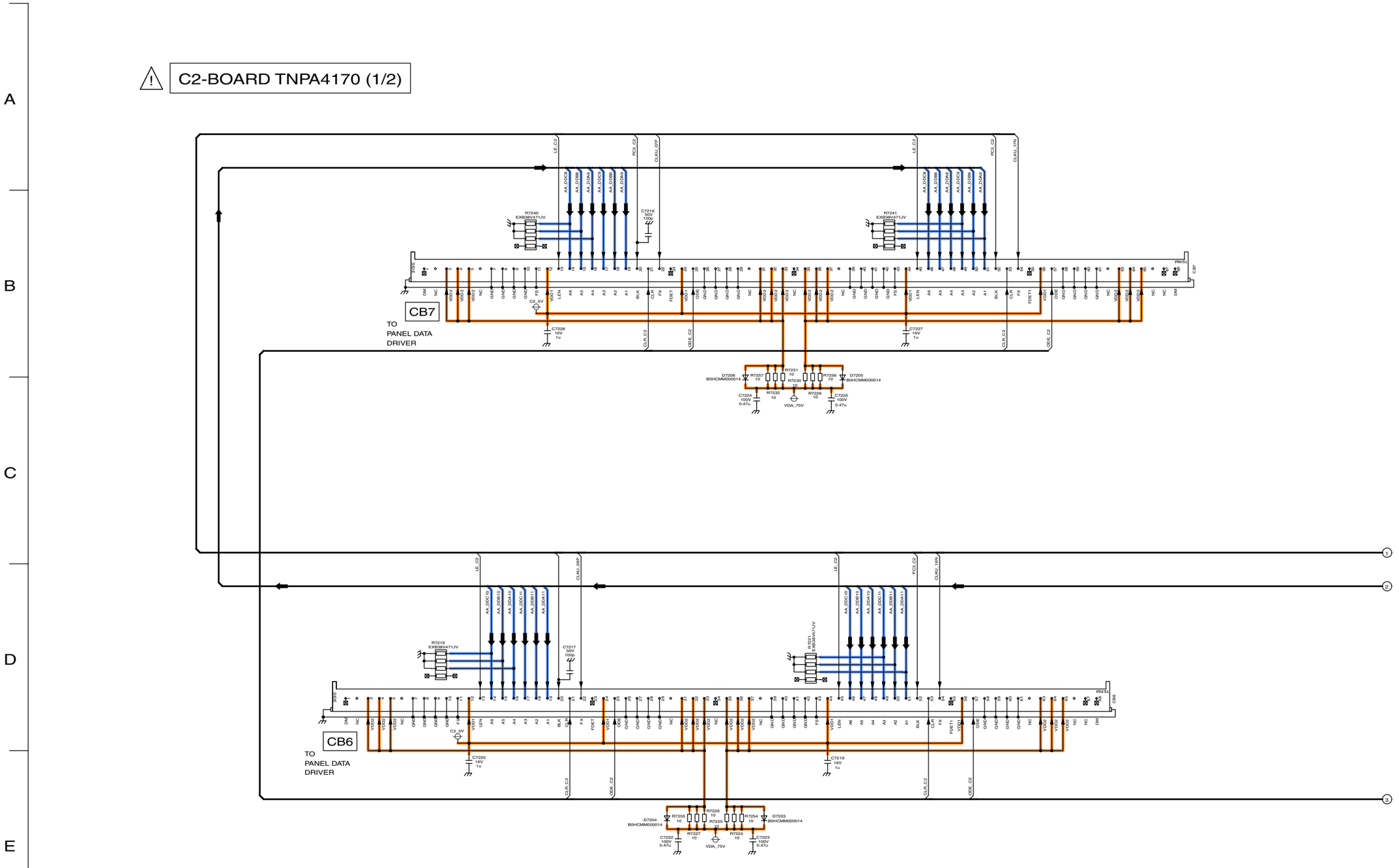
TH-50PV70AZ/H/M/MR/MT
C1-Board (2 of 3) Schematic Diagram

8 9 10 11 12 13 14 15

15.37. C1-Board (3 of 3) Schematic Diagram



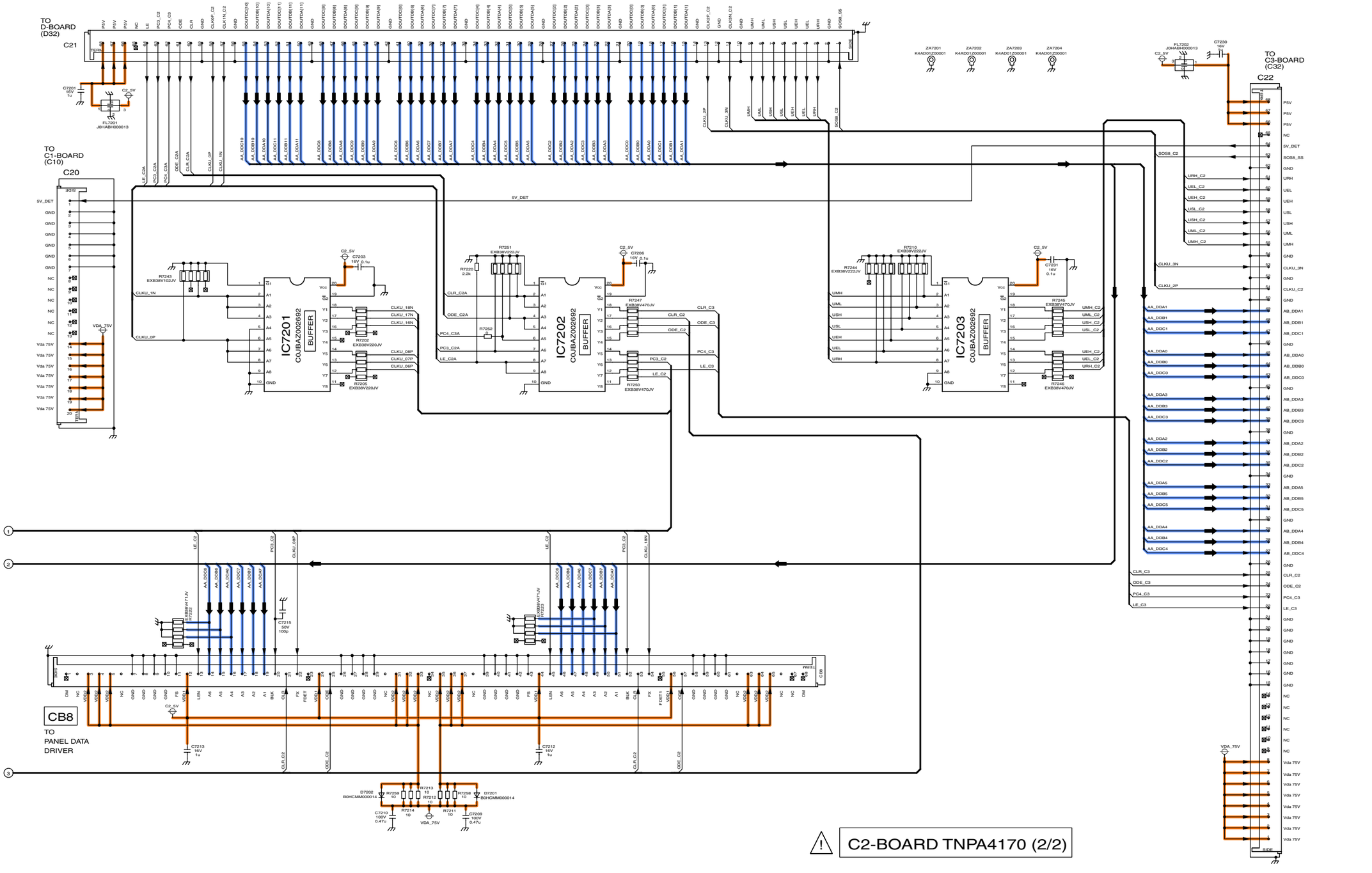
15.38. C2-Board (1 of 2) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
C2-Board (1 of 2) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
C2-Board (1 of 2) Schematic Diagram

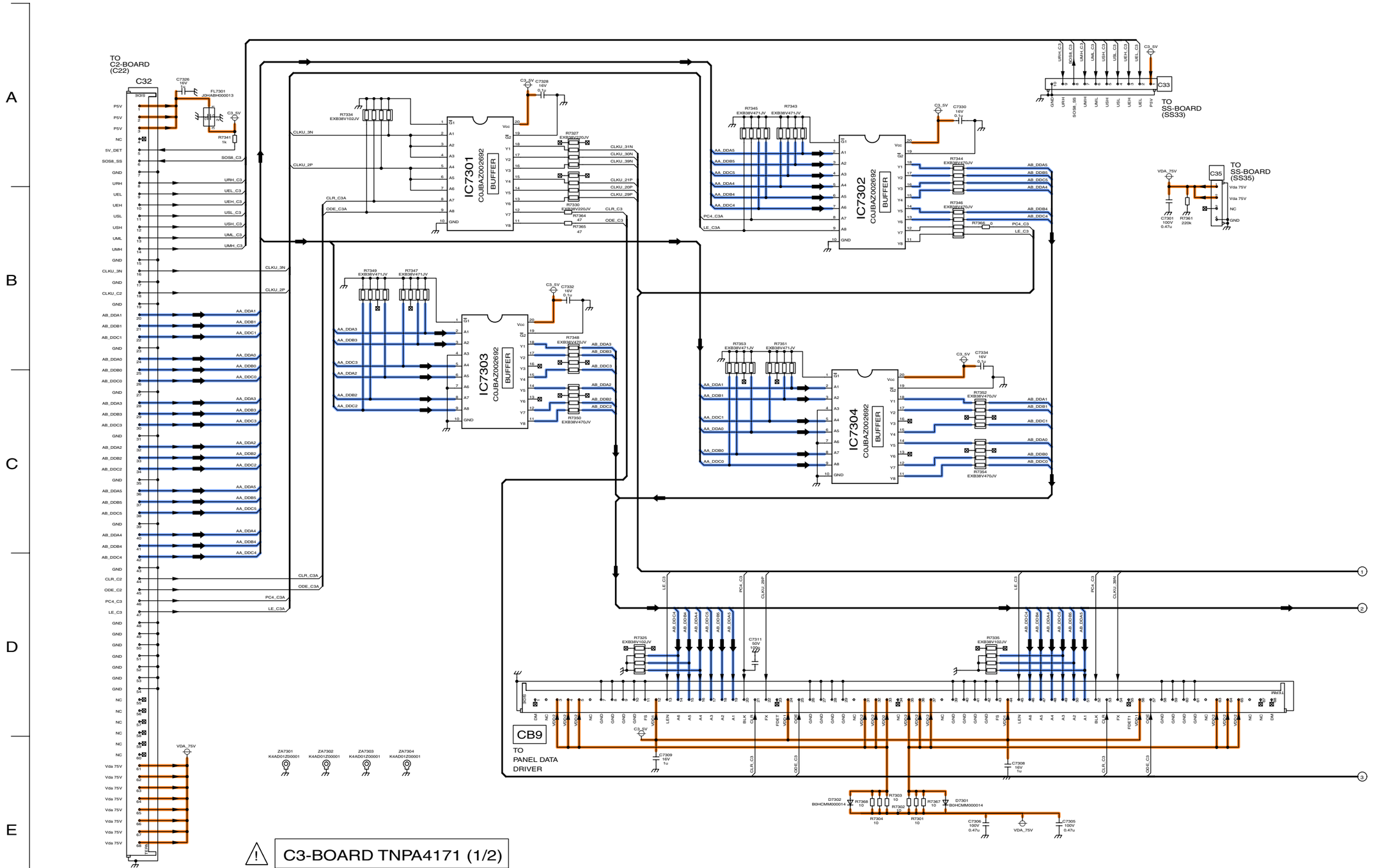
15.39. C2-Board (2 of 2) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
C2-Board (2 of 2) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
C2-Board (2 of 2) Schematic Diagram

15.40. C3-Board (1 of 2) Schematic Diagram

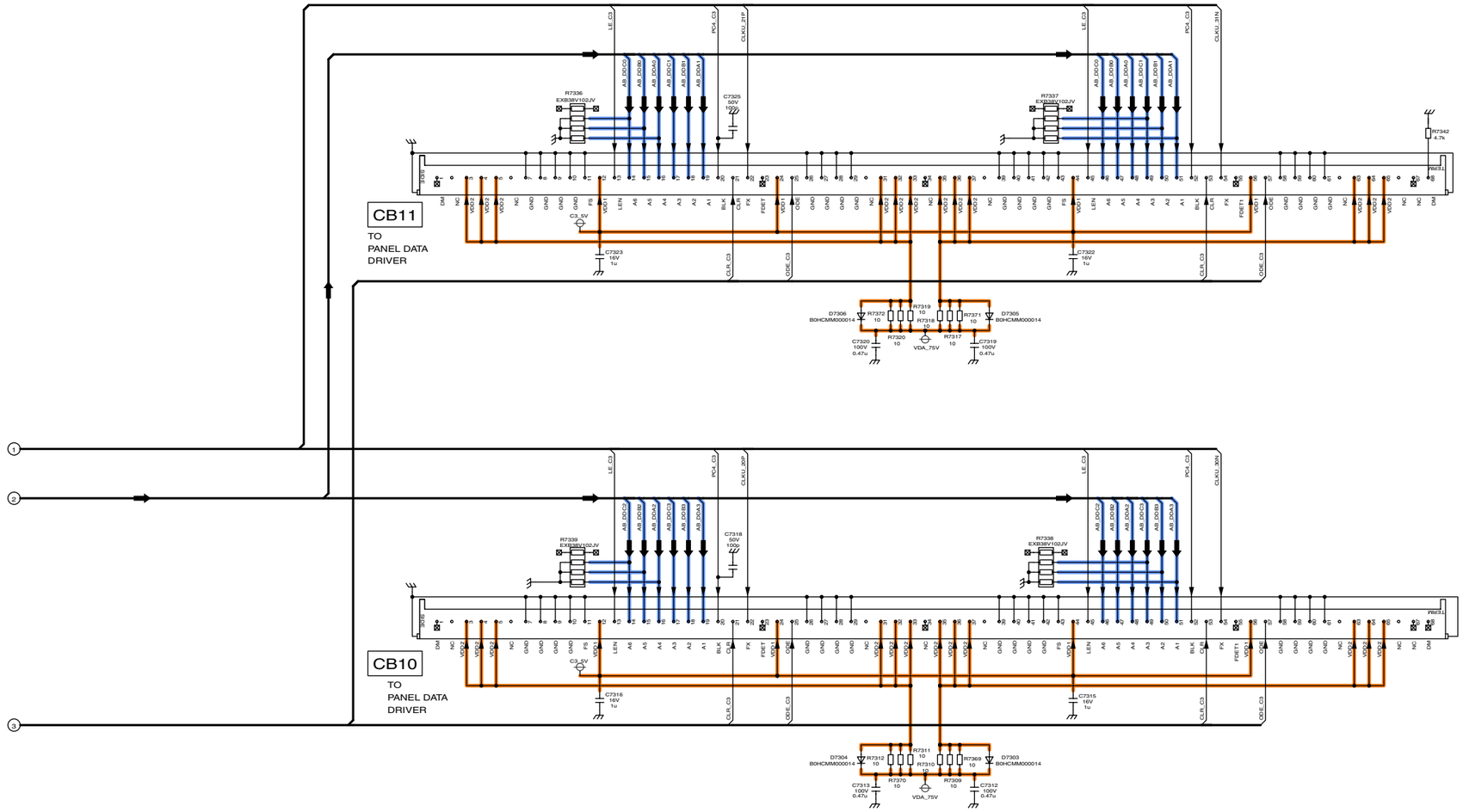


TH-50PV70AZ/H/M/MR/MT
C3-Board (1 of 2) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
C3-Board (1 of 2) Schematic Diagram

15.41. C3-Board (2 of 2) Schematic Diagram

⚠ C3-BOARD TNPA4171 (2/2)

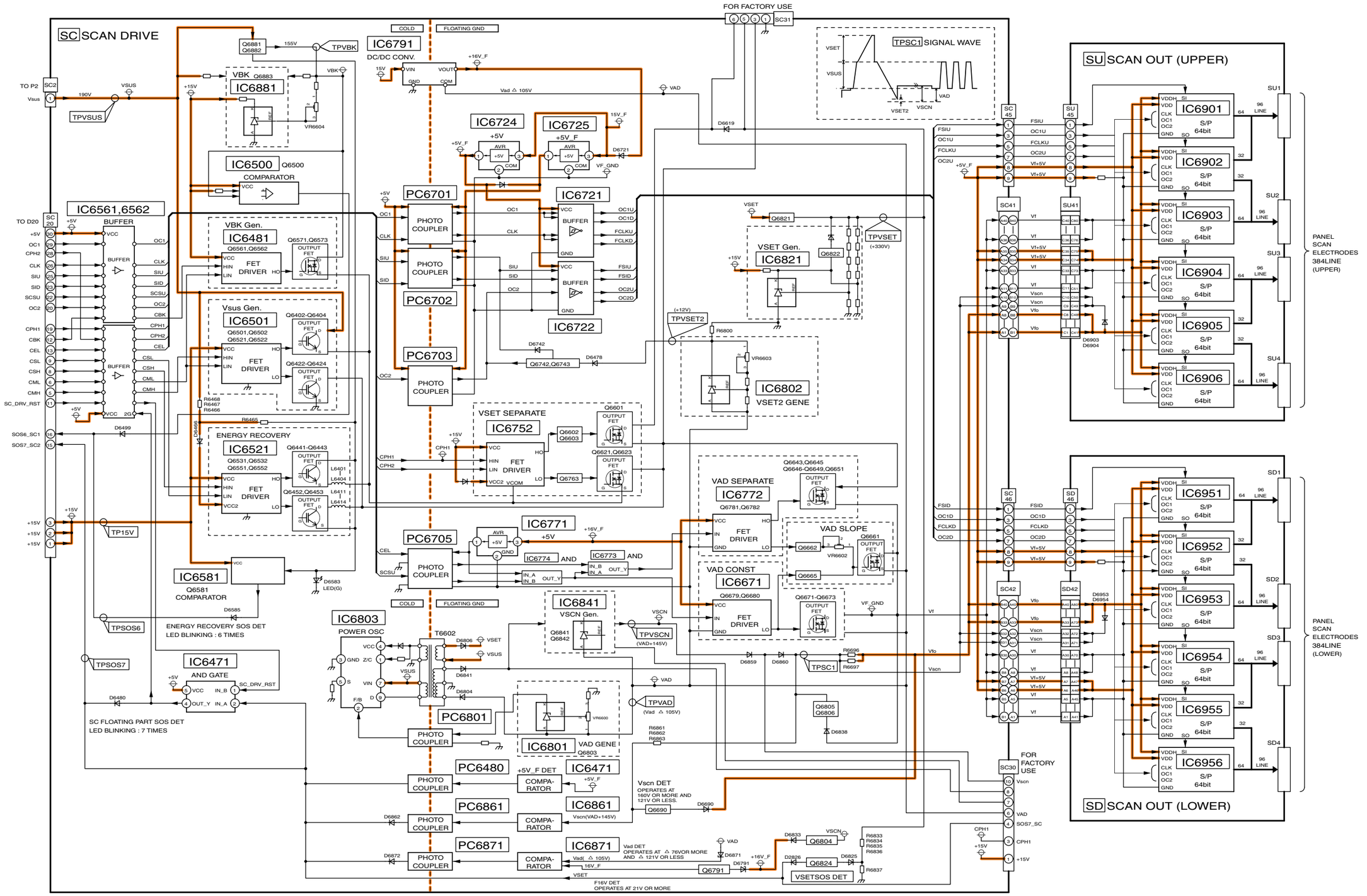


TH-50PV70AZ/H/M/MR/MT
C3-Board (2 of 2) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
C3-Board (2 of 2) Schematic Diagram

8 9 10 11 12 13 14 15

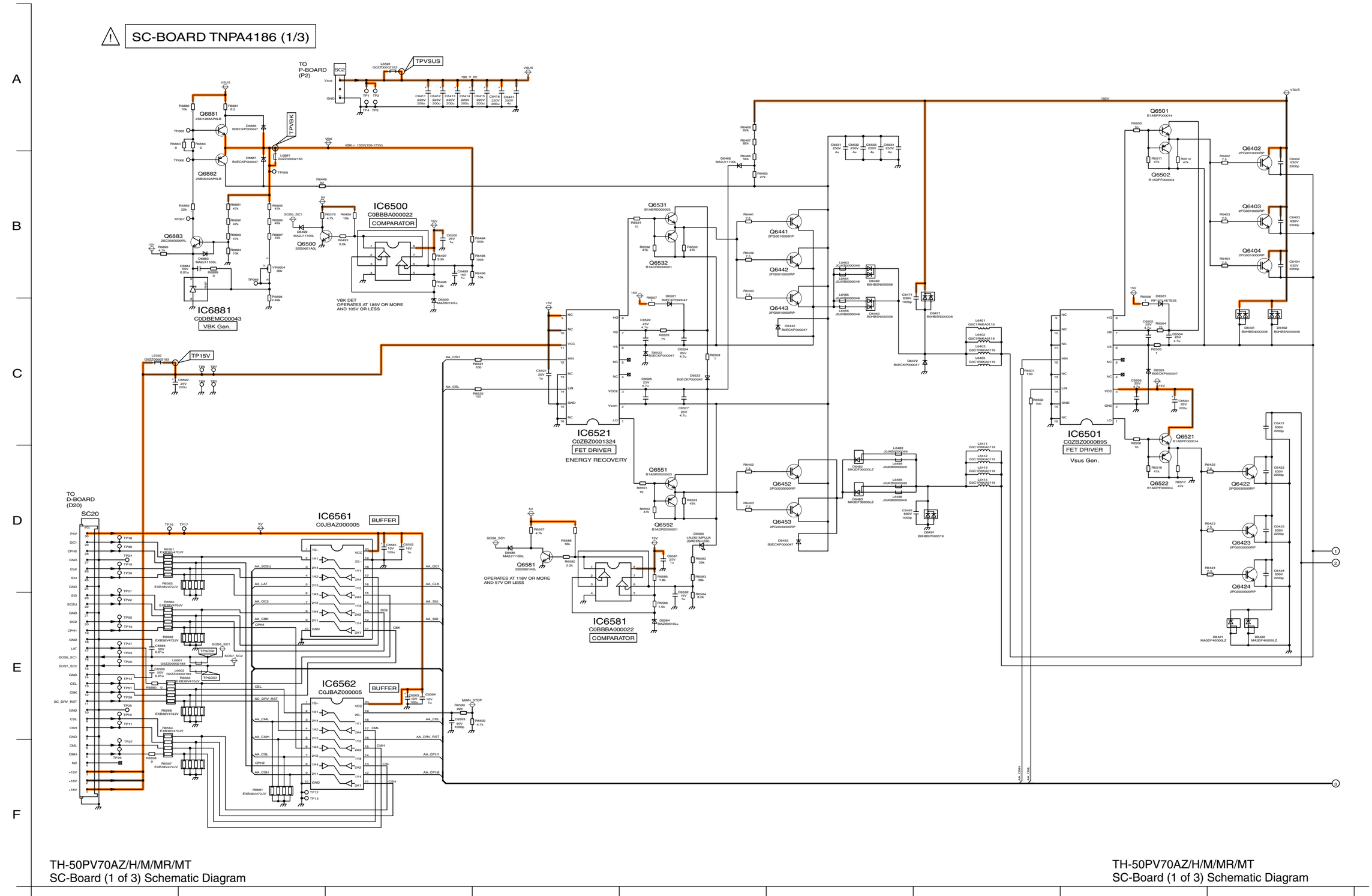
15.42. SC, SU and SD-Board Block Diagram



TH-50PV70AZ/H/M/MR/MT
SC, SU and SD-Board Block Diagram

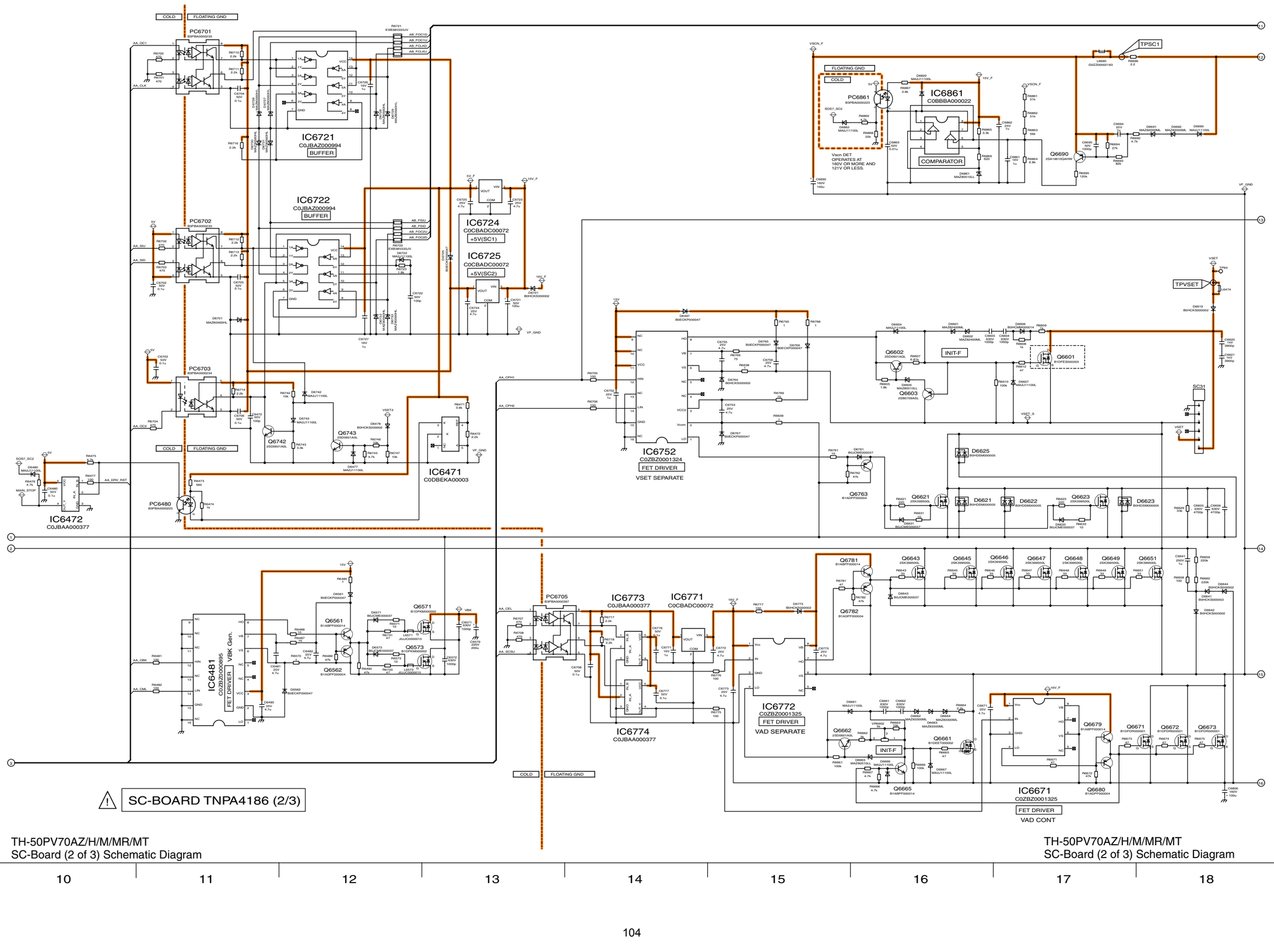
TH-50PV70AZ/H/M/MR/MT
SC, SU and SD-Board Block Diagram

15.43. SC-Board (1 of 3) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
SC-Board (1 of 3) Schematic Diagram

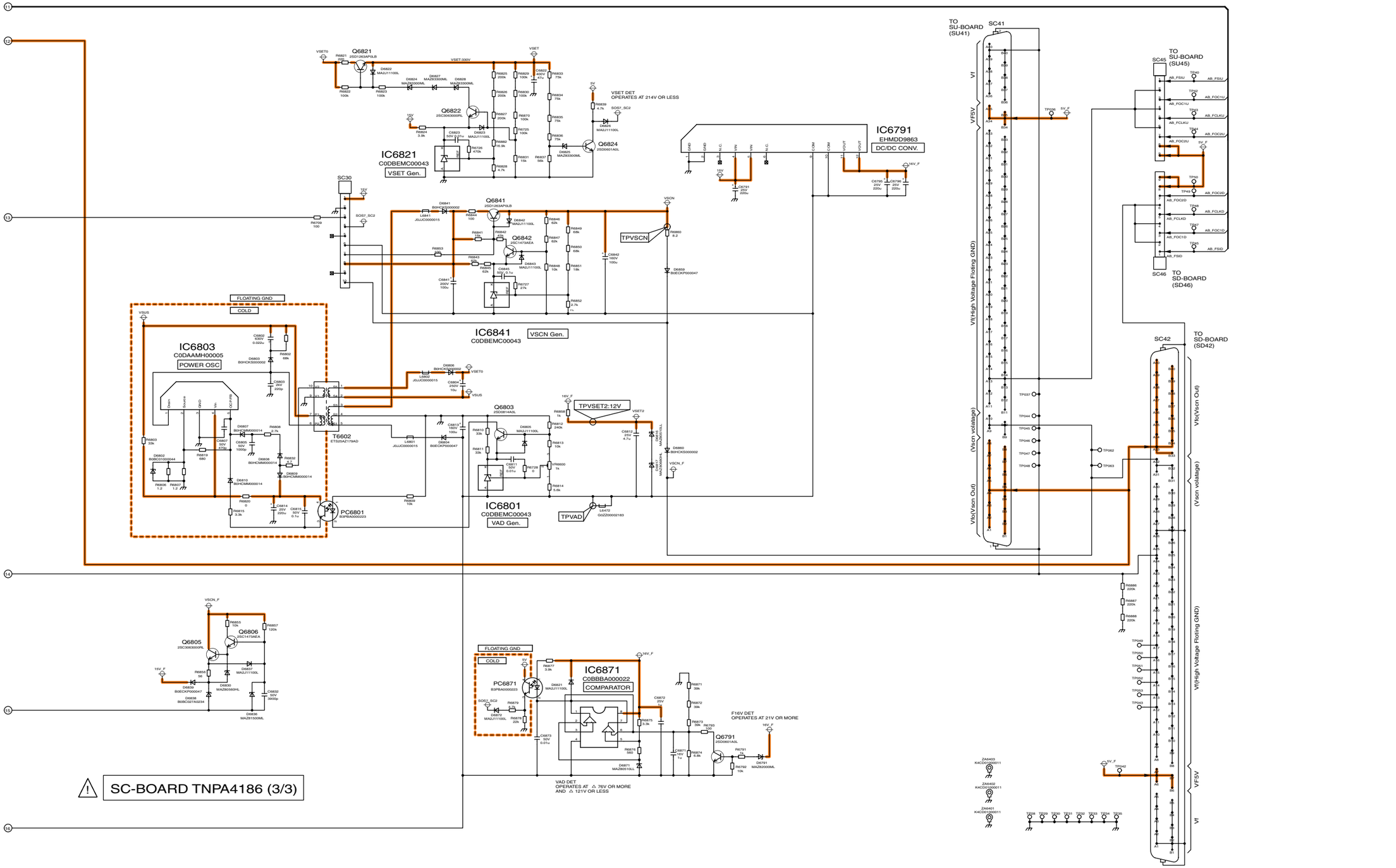
15.44. SC-Board (2 of 3) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
SC-Board (2 of 3) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
SC-Board (2 of 3) Schematic Diagram

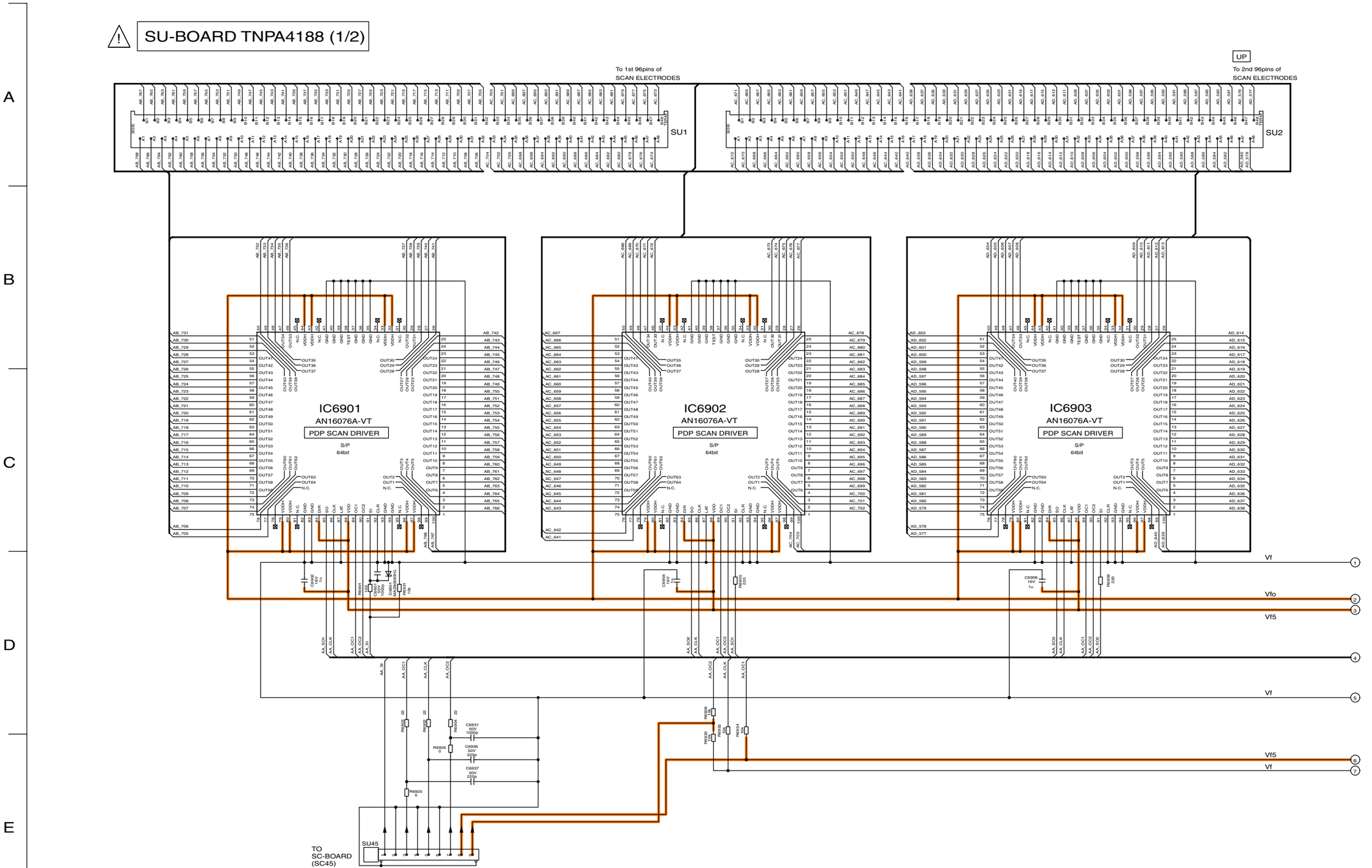
15.45. SC-Board (3 of 3) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
SC-Board (3 of 3) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
SC-Board (3 of 3) Schematic Diagram

15.46. SU-Board (1 of 2) Schematic Diagram

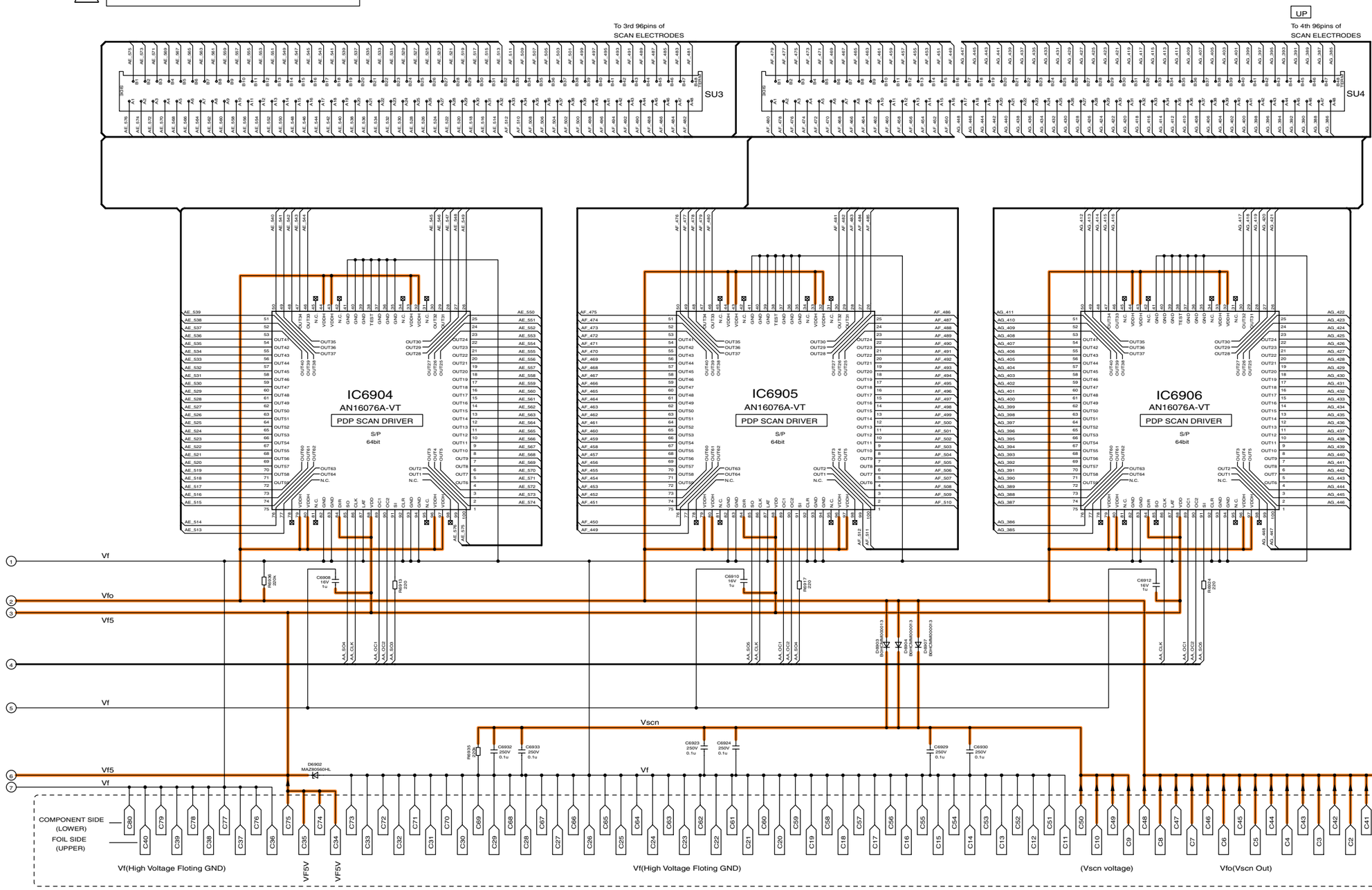


TH-50PV70AZ/H/M/MR/MT
SU-Board (1 of 2) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
SU-Board (1 of 2) Schematic Diagram

15.47. SU-Board (2 of 2) Schematic Diagram

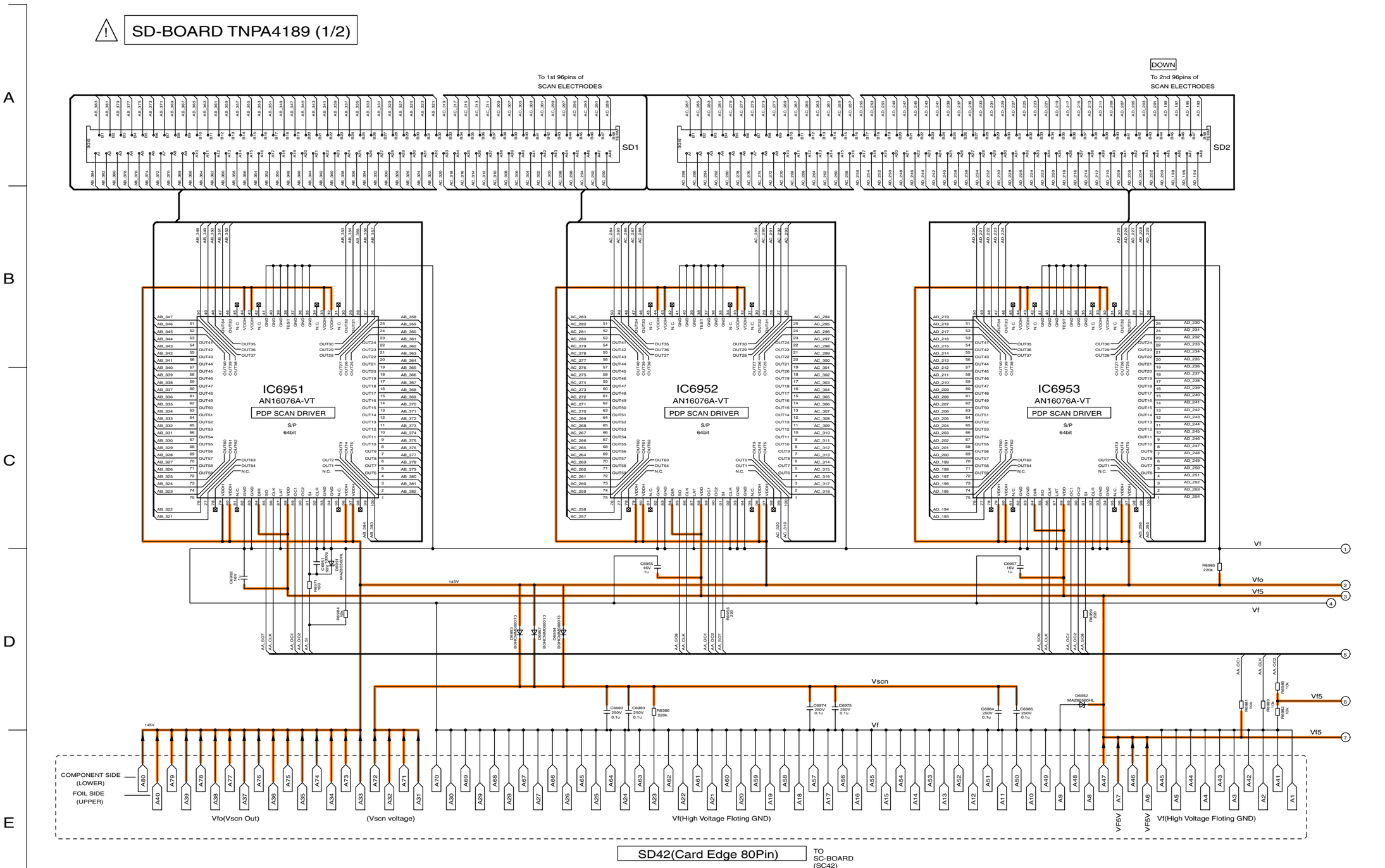
SU-BOARD TNPA4188 (2/2)



TH-50PV70AZ/H/M/MR/MT
SU-Board (2 of 2) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
SU-Board (2 of 2) Schematic Diagram

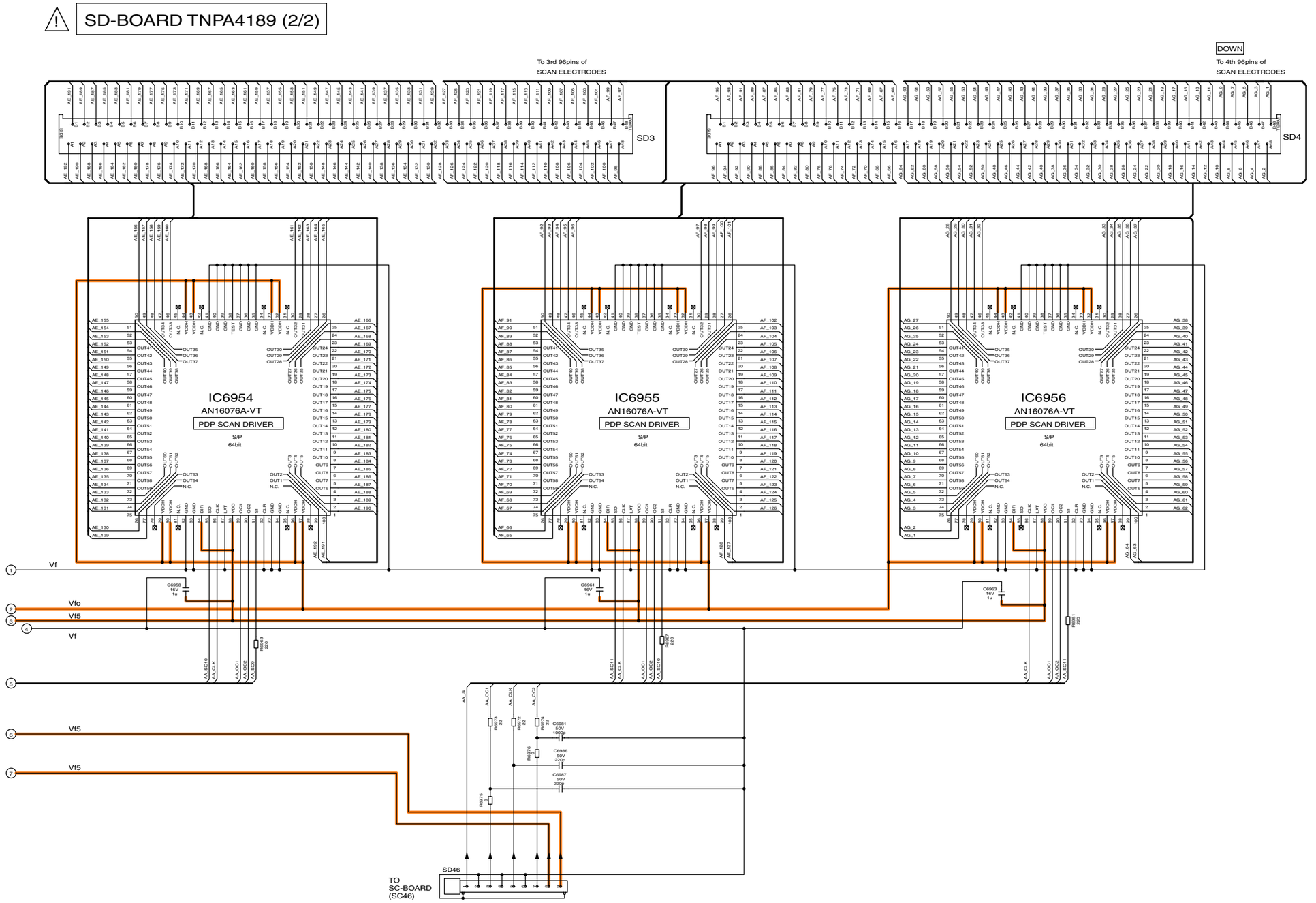
15.48. SD-Board (1 of 2) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
SD-Board (1 of 2) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
SD-Board (1 of 2) Schematic Diagram

15.49. SD-Board (2 of 2) Schematic Diagram

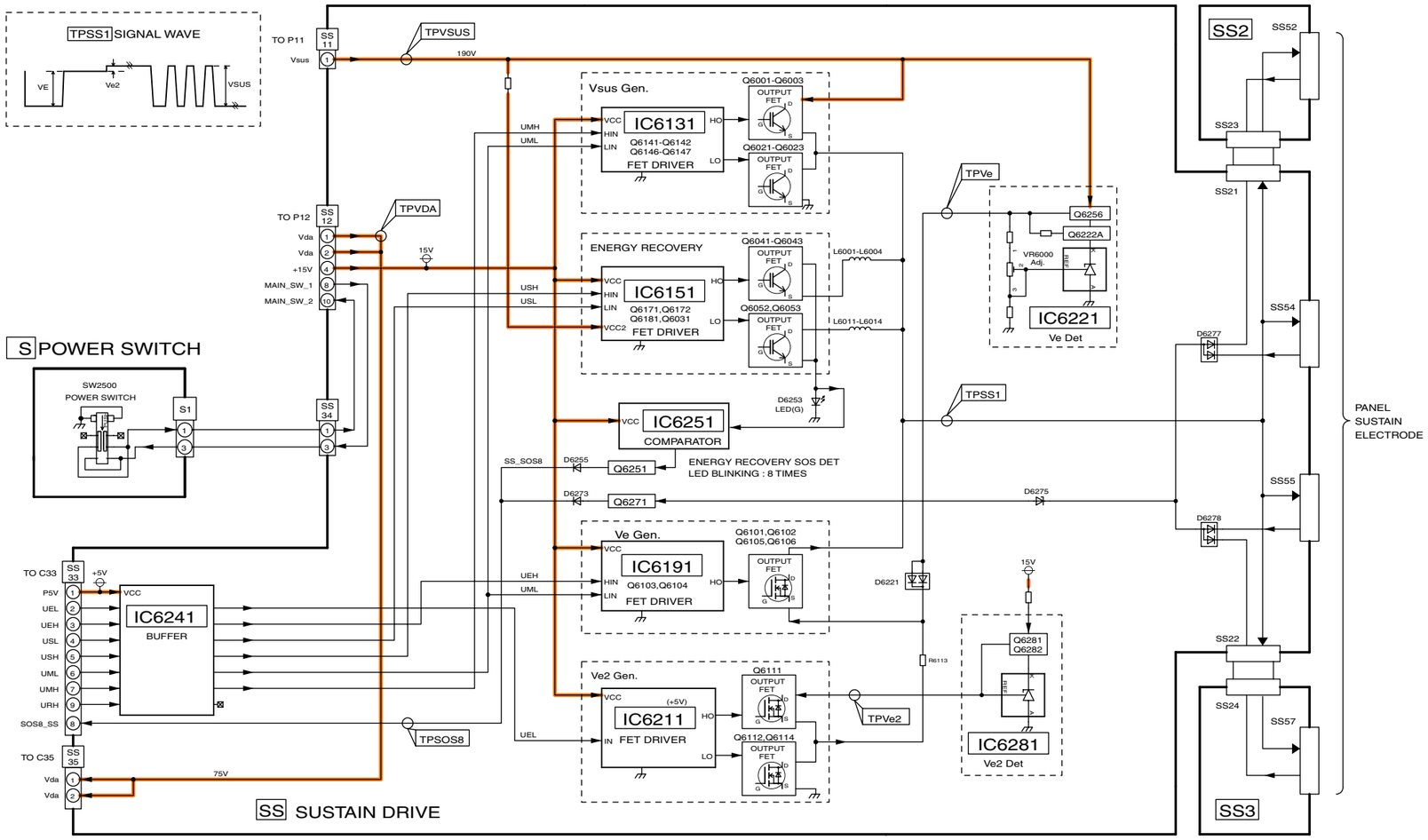


TH-50PV70AZ/H/M/MR/MT
SD-Board (2 of 2) Schematic Diagram

TH-50PV70AZ/H/M/MR/MT
SD-Board (2 of 2) Schematic Diagram

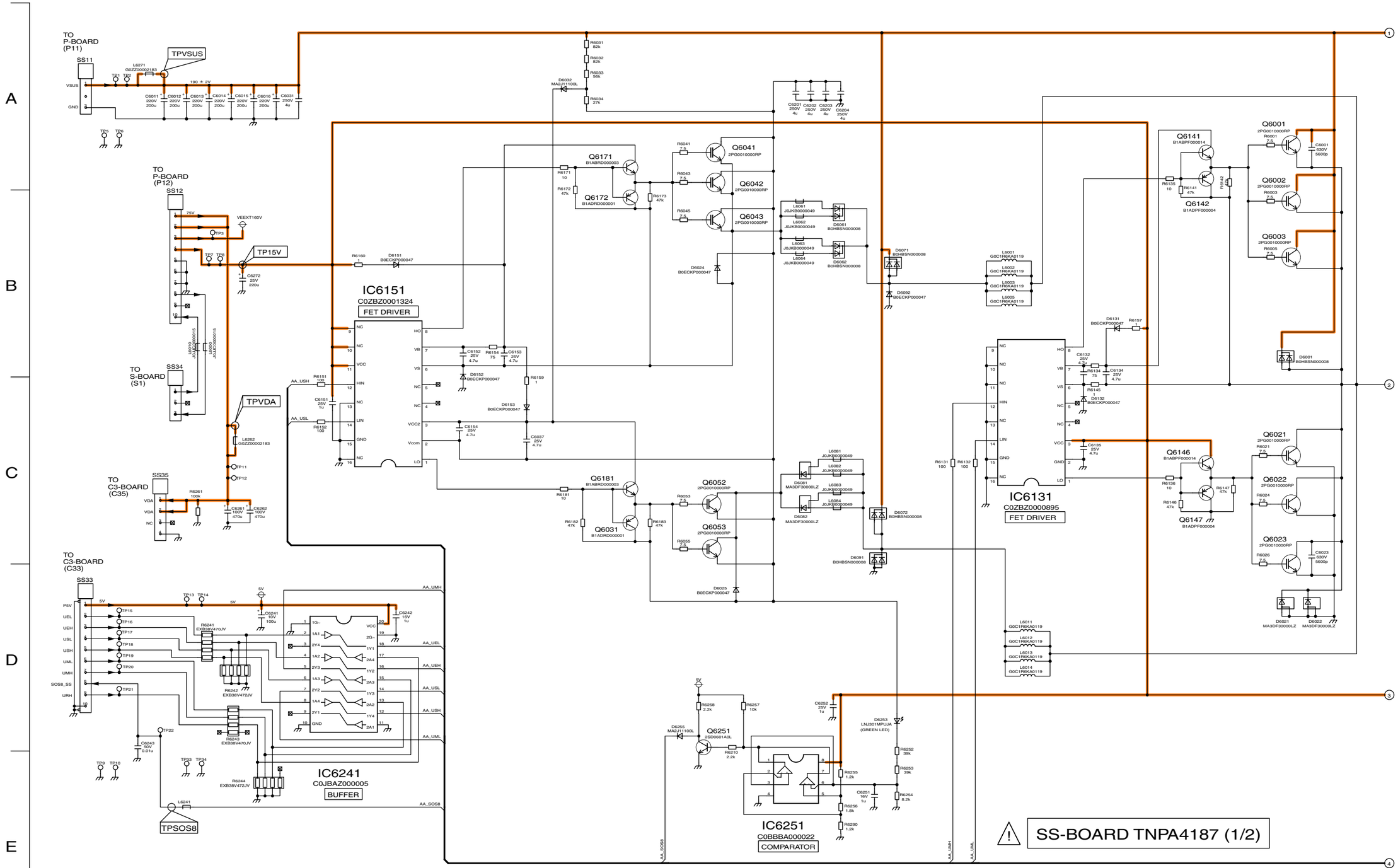
8 9 10 11 12 13 14 15

15.50. SS, SS2 and SS3-Board Block Diagram



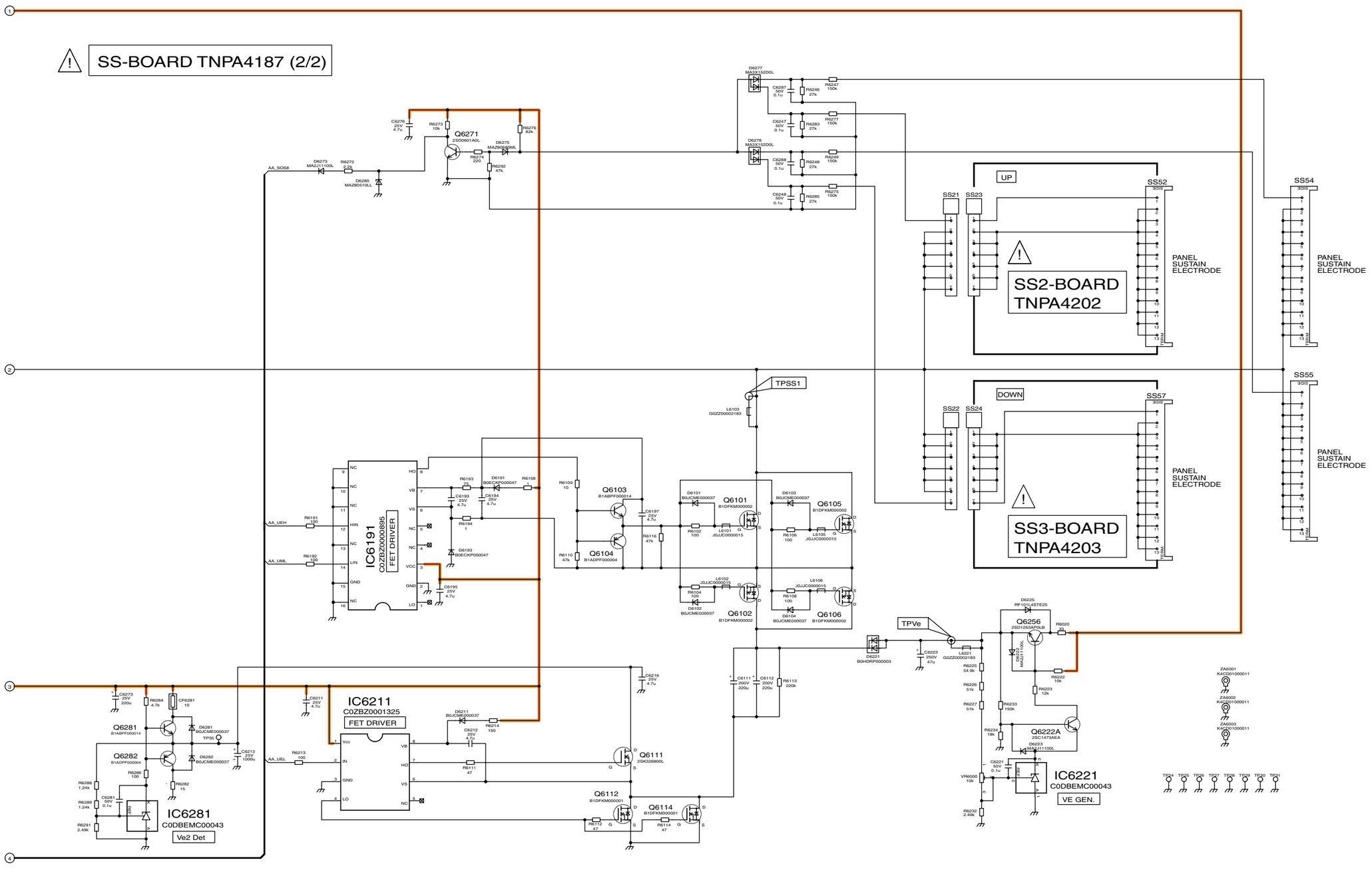
TH-50PV70AZ/H/M/MR/MT
SS, SS2 and SS3-Board Block Diagram

15.51. SS-Board (1 of 2) Schematic Diagram



TH-50PV70AZ/H/M/MR/MT
SS-Board (1 of 2) Schematic Diagram

15.52. SS-Board (2 of 2), SS2 and SS3-Board Schematic Diagram

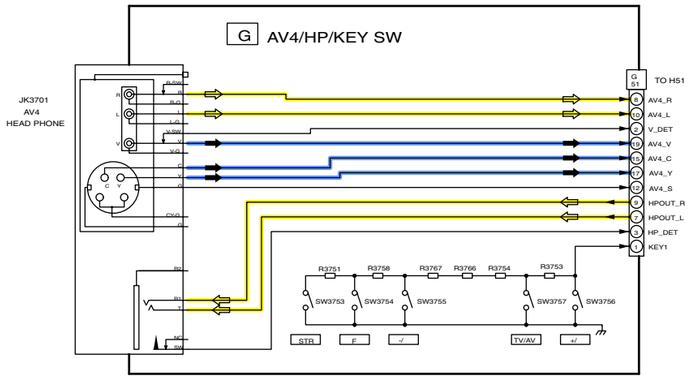


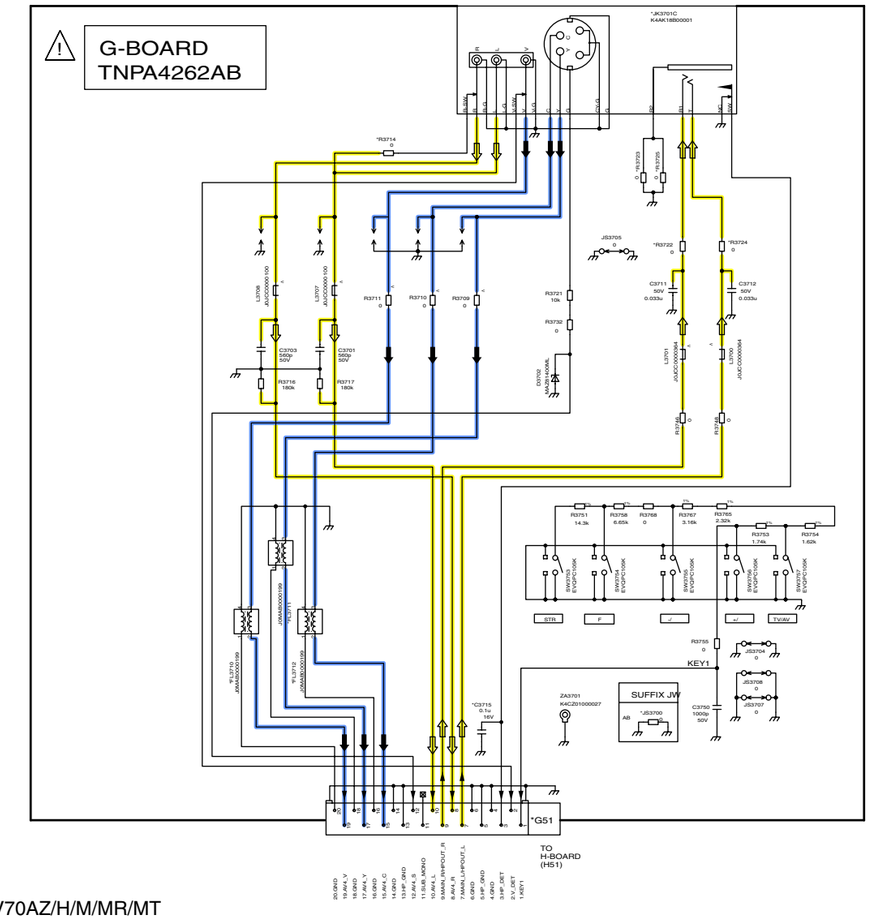
TH-50PV70AZ/H/M/MR/MT
SS-Board (2 of 2), SS2 and SS3-Board Schematic Diagram

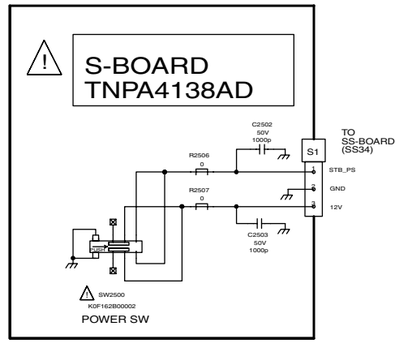
TH-50PV70AZ/H/M/MR/MT
SS-Board (2 of 2), SS2 and SS3-Board Schematic Diagram

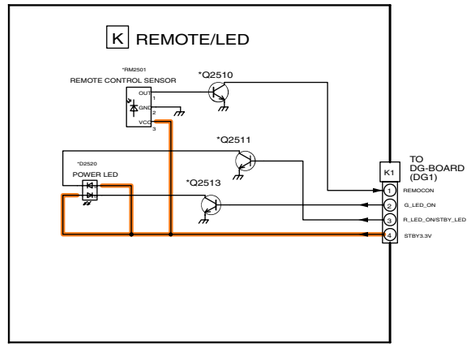
8 9 10 11 12 13 14 15

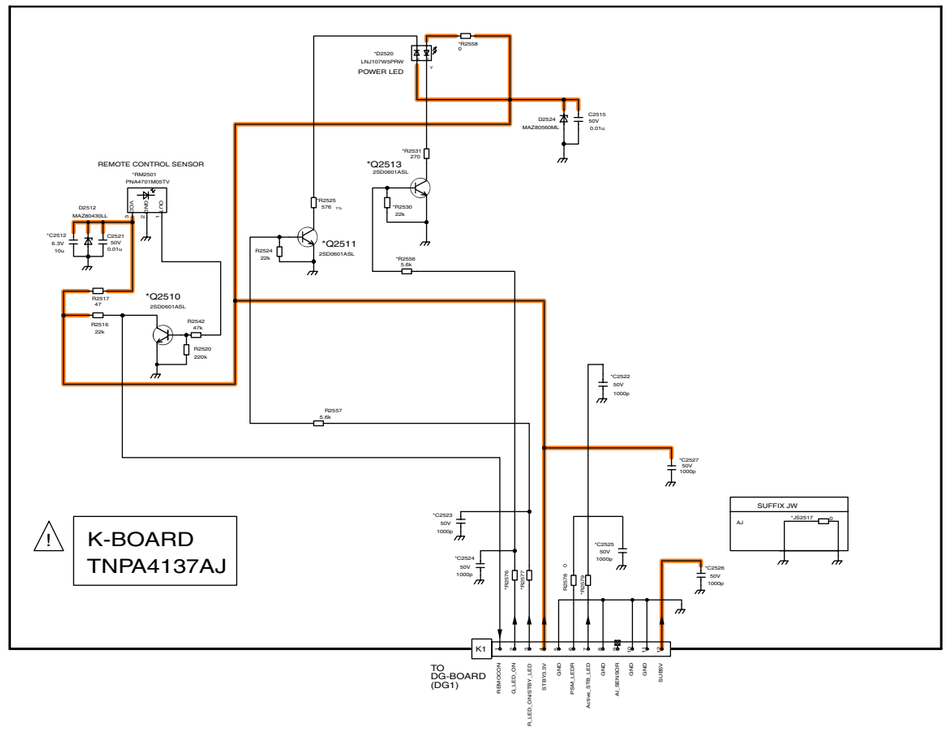
15.53. GK, K and S-Board Block and Schematic Diagram









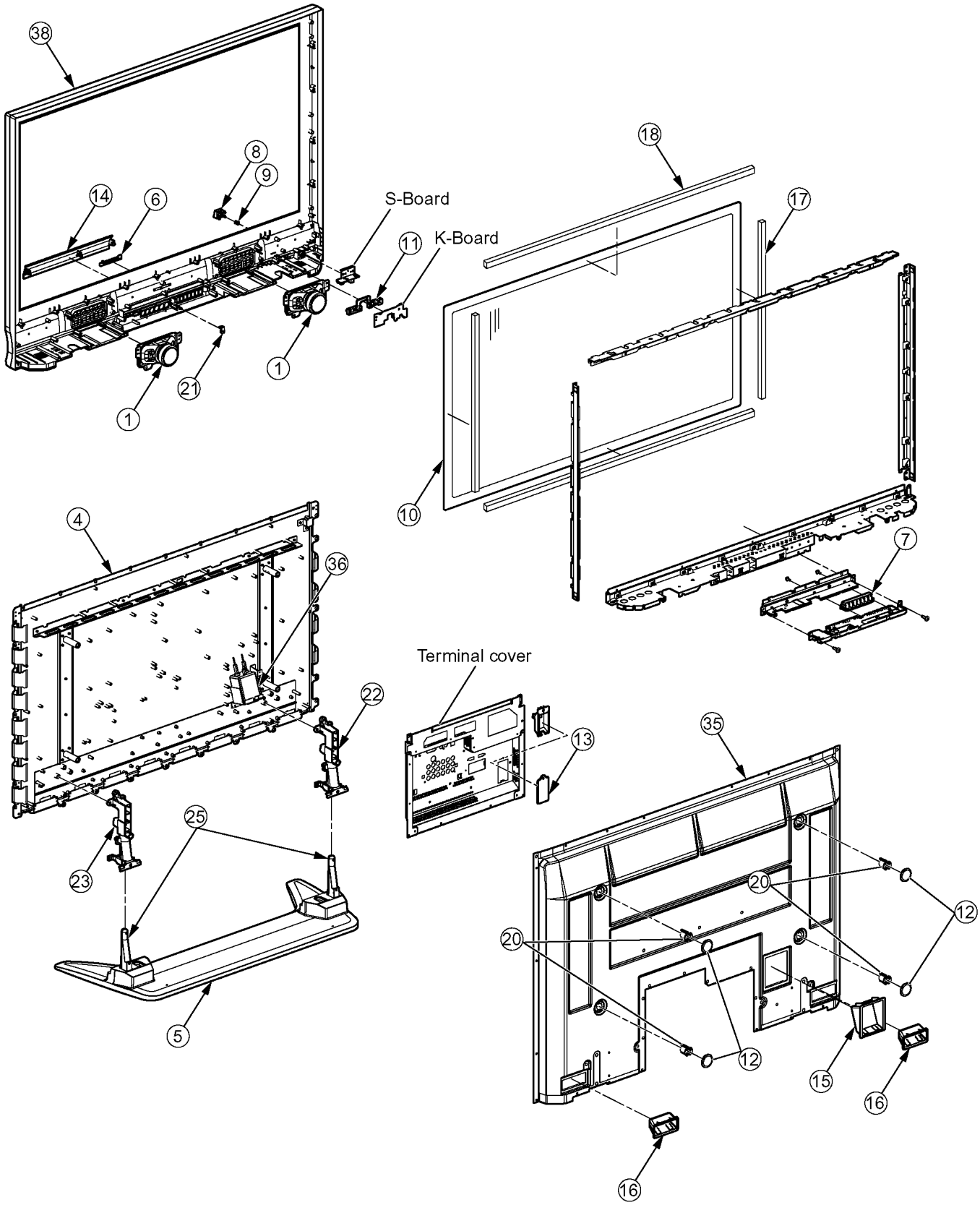


TH-50PV70AZ/H/M/MR/MT
G, K, and S-Board Schematic Diagram

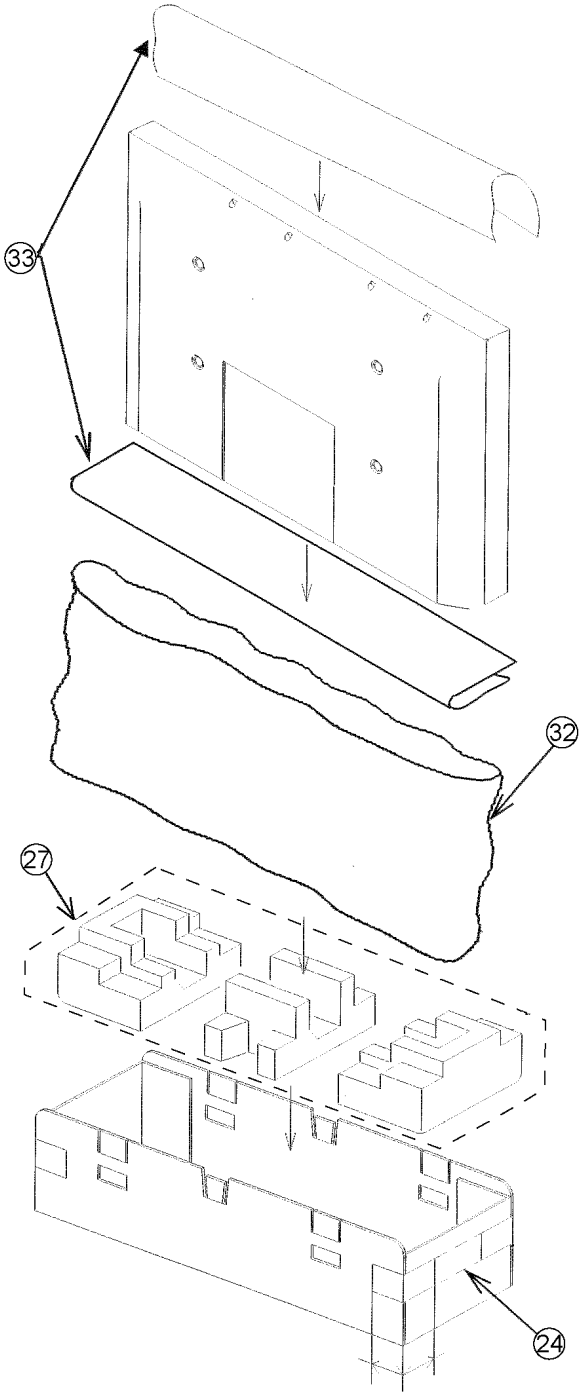
TH-50PV70AZ/H/M/MR/MT
G, K and S-Board Schematic Diagram

16 Exploded Views & Replacement Parts List

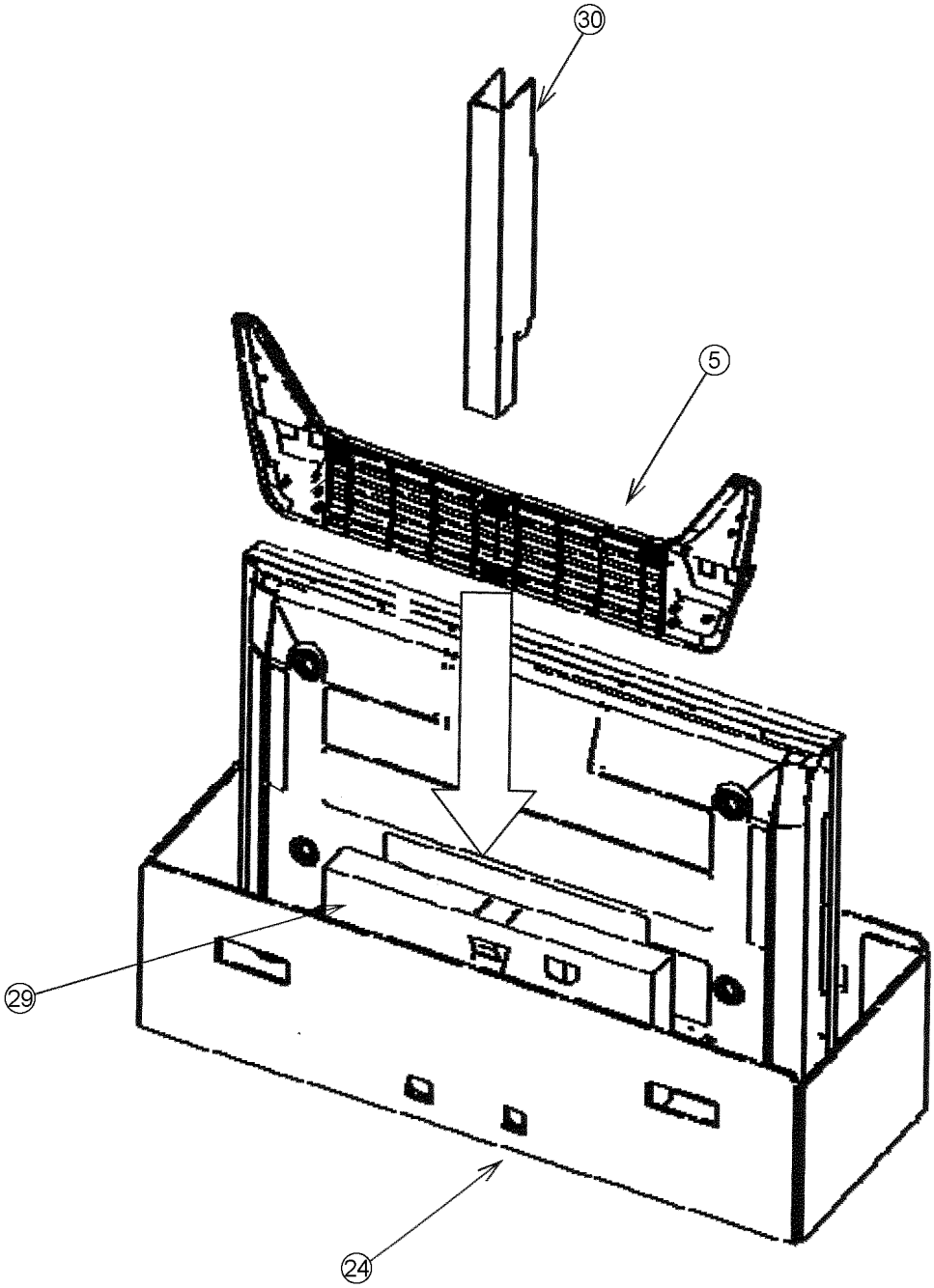
16.1. Exploded Views



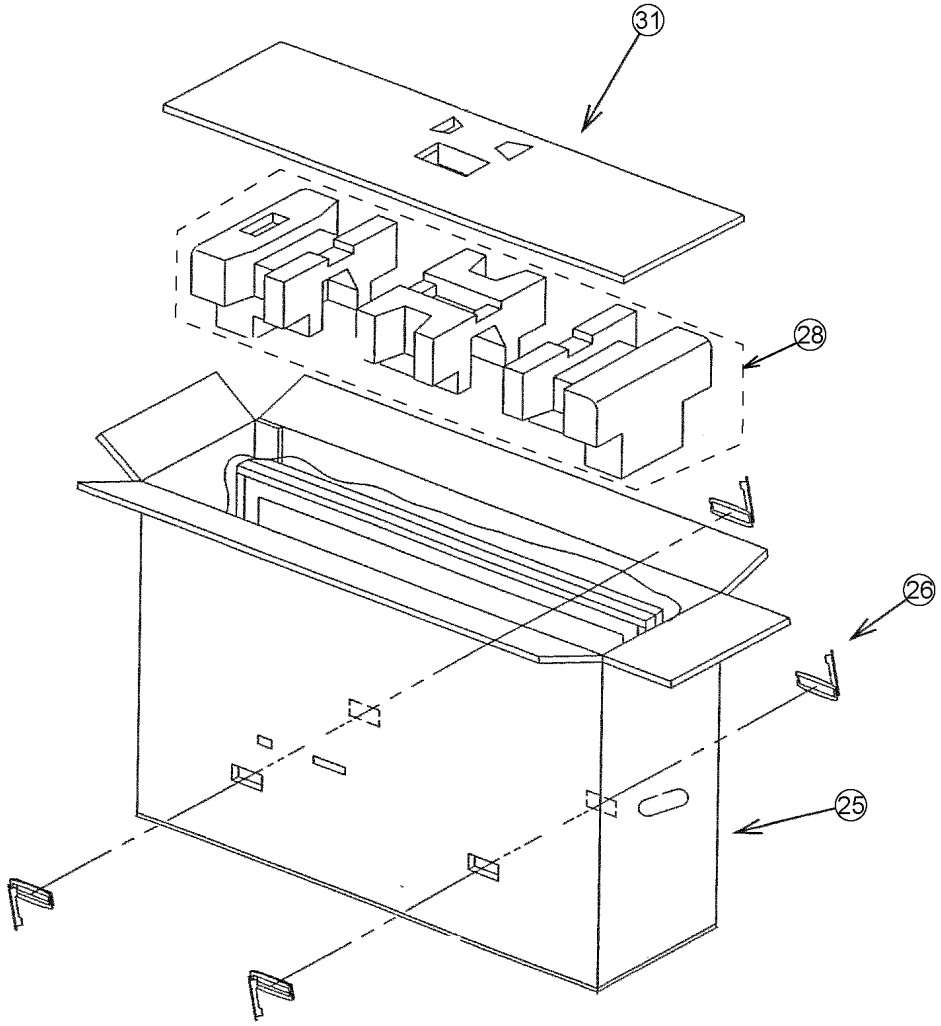
16.2. Packing Exploded Views (1)



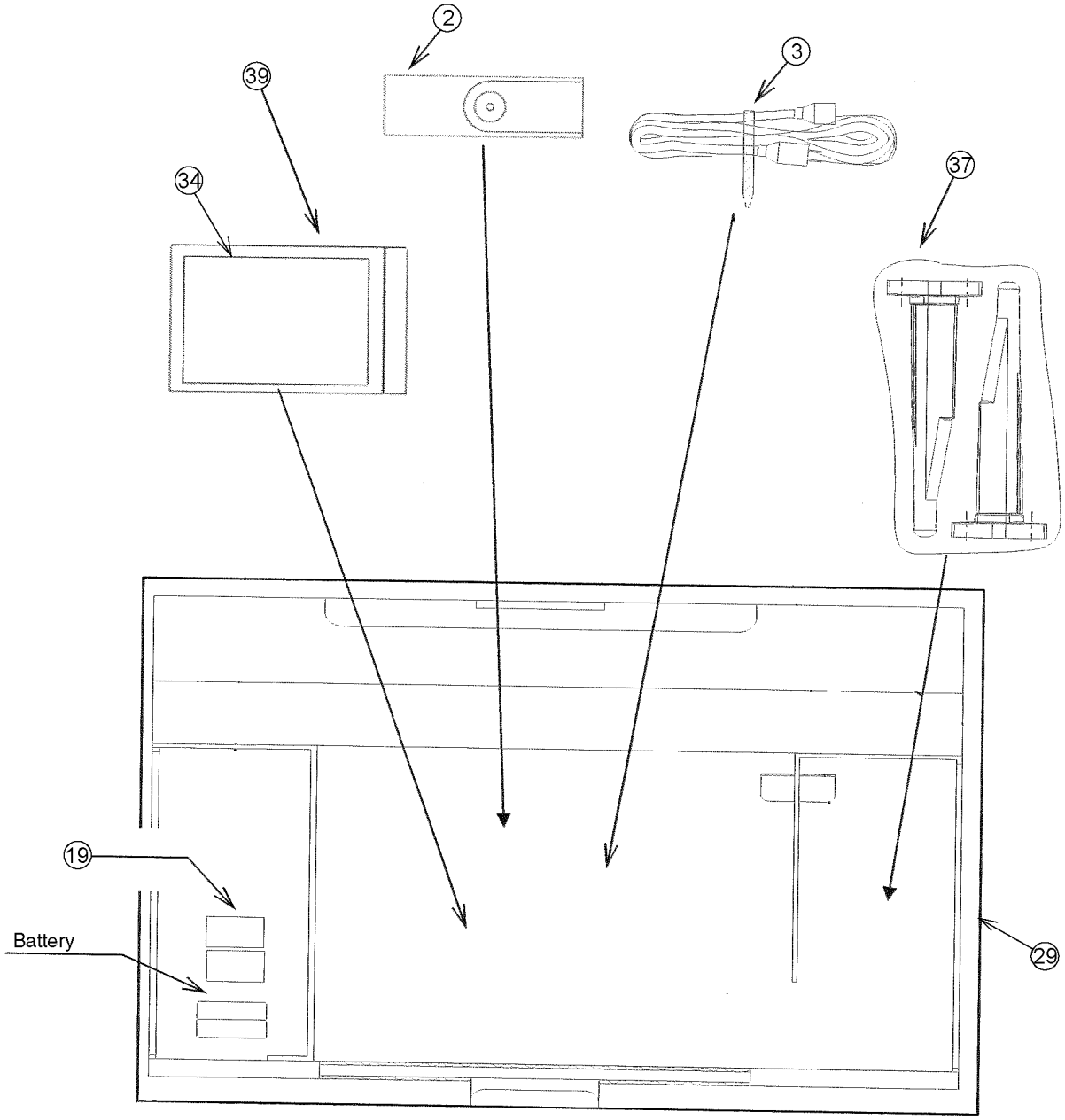
16.3. Packing Exploded Views (2)



16.4. Packing Exploded Views (3)



16.5. Accessory



16.6. Replacement Parts List Notes

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

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

Abbreviation of part name and description

1. Resistor

Example:

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

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V
Type Allowance

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

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

16.7. Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	EAS12S10B	SPEAKER	2	
2	EUR7651140	REMOTE CONTROL	1	
	J0KG00000052	FERRITE CORE	1	
	K1ZZ00001424	3 PIECE CONNECTOR PLUG	1	
3	K2CG3DH00051	AC CORD	1	TH-50PV70MT ⚠
3	K2CK3DH00029	AC CORD	1	TH-50PV70AZ ⚠
3	K2CN3DH00006	AC CORD	1	TH-50PV70M/MR ⚠
3	K2CT3DH00018	AC CORD	1	TH-50PV70H/M ⚠
4	MD50H10A1J	PLASMA DISPLAY PANEL	1	⚠
5	TBLX0025	PEDESTAL STAND ASSY	1	TH-50PV70AZ/H/MT
6	TBMA220	PANASONIC BADGE	1	
7	TBXA51202	CONTROL BUTTON	1	
8	TBXA51304	POWER BUTTON	1	
9	TESD078	BUTTON SPRING	1	
	THEL0429	SCREW	29	
	THEL047J	SCREW(HDMI:2)	2	
	THTD011J	SCREW	3	
	THTF011N	SCREW	45	
10	TKGA5329	FRONT GLASS	1	
11	TKKC5270	PANEL LIGHT	1	
12	TKKL5231-3	M8 SPACER CAP	4	
13	TKKL5383	ADJUSTMENT COVER	1	
14	TKPB09103	DOOR LID	1	
15	TKPB13901	INLET COVER	1	⚠
16	TKRA46202	HANDLE (REAR COVER)	2	⚠
17	TMKG647	SPONGE(TKG/LEFT/RIGHT)	2	
18	TMKG661-1	SPONGE(TKG/UPPER/BOTTOM)	2	
	TMM7468-1	CLAMPER	1	
	TMME061	CLAMPER	5	
	TMME226	AC CORD CLAMPER	1	
	TMME287	CLAMPER	3	
19	TMME289	CLAMPER	2	
20	TMMX134	M8-SPACER	4	
21	TMMX186	DOOR SPRING	1	
22	TMZX5092	STAND BRACKET LEFT	1	
23	TMZX5093	STAND BRACKET RIGHT	1	
24	TPCC17301	CARTON BOX BOTTOM	1	
25	TPCC18501	CARTON BOX TOP	1	TH-50PV70AZ
25	TPCC18502	CARTON BOX TOP	1	TH-50PV70H
25	TPCC18503	CARTON BOX TOP	1	TH-50PV70MT
25	TPCC18601	CARTON BOX TOP	1	TH-50PV70M
25	TPCC18602	CARTON BOX TOP	1	TH-50PV70MR
26	TPD169487	JOINT	4	
27	TPDA1536	BOTTOM CUSHION	1	
28	TPDA1569	TOP CUSHION	1	
29	TPDF0737	PAPER BOX	1	
30	TPDF1832	CARTON HOLDER	1	TH-50PV70AZ/H/MT
31	TPDF1892	TOP PAD	1	
32	TPEH170	PROTECT COVER	1	
33	TPEH273	TOP-PROTECT SHEET	2	
34	TQBC2160	INSTRUCTION BOOK(ENGLISH)	1	TH-50PV70AZ ⚠
34	TQBC2161	INSTRUCTION BOOK(ENGLISH)	1	TH-50PV70H/M/MR/MT ⚠
34	TQBC2162	INSTRUCTION BOOK(CHINA)	1	TH-50PV70H ⚠
34	TQBC2163	INSTRUCTION BOOK(ARABIA)	1	TH-50PV70M/MR ⚠
34	TQBC2164	INSTRUCTION BOOK(PERSIAN)	1	TH-50PV70MR ⚠
34	TQBC2165	INSTRUCTION BOOK(THAI)	1	TH-50PV70MT ⚠
34	TQZH856	INSTRUCTION SHEET(STAND)	1	TH-50PV70AZ/H/MT ⚠
	TSXL519	CABLE(C10-C20)	1	
	TSXL554	CABLE(C22-C32)	1	
	TSXL562	CABLE(D31-C11)	1	
	TSXL600	CABLE(D32-C21)	1	
	TSXL604	CABLE(SC20-D20)	1	
35	TTUA1612	REAR COVER	1	TH-50PV70M ⚠
35	TTUA1613	REAR COVER	1	TH-50PV70AZ ⚠
35	TTUA1614	REAR COVER	1	TH-50PV70H ⚠
35	TTUA1615	REAR COVER	1	TH-50PV70MT ⚠
35	TTUA1616	REAR COVER	1	TH-50PV70MR ⚠
36	TXAJS01HMTP	AC INLET ASSY	1	
	TXFBL02LKTU	STAND POLE ASSY	2	TH-50PV70AZ/H/MT
37	TXFBL03HPTP	STAND ACCESSORY ASSY	1	TH-50PV70AZ/H/MT
	TXFHM010VKSA	SCREW ASSY	1	TH-50PV70AZ/H/MT
	TXFKP01HNTA	BOTTOM COVER ASSY	1	
38	TXFKY01HMTM	CABINET ASSY	1	⚠
	TXFMM01LKTU	TIP-PREVNTION PARTS	1	TH-50PV70AZ/H/MT
	TXJH12HNTP	SPEAKER LEAD(H12-SPK)	1	
	XTB4+12GFJ	SCREW	47	
	XTB4+12GFJK	SCREW	10	
	XTB4+16GFJ	SCREW	2	
	XTV3+10JFJK	SCREW	6	
	XTW3+10TFJ	SCREW	3	
	XYN3+F10FJ	SCREW	1	
	XYN3+F8FJ	SCREW	25	
	XYN3+J12FJ	SCREW	42	
	XYN3+J6FJ	SCREW	1	
	XYN4+E8FJ	SCREW	1	
	XYN4+F10FJ	SCREW	9	
	XYN4+F10FJK	SCREW	5	
	XYN4+F30FJK	SCREW	6	
	XYN5+C15FJ	SCREW	8	
	XYN5+F20FJ	SCREW M5X20 (STAND)	4	TH-50PV70AZ/H/MT
	XYN5+F30FJK	SCREW M5X30	4	TH-50PV70AZ/H/MT
	XZB13X28D03	BAG	1	
	XZB7.5X9D05	POLY BAG (SCREW)	1	TH-50PV70AZ/H/MT
39	XZBT6506	POLY BAG	1	

16.8. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F601.602	K5D103BMA001	TIME LAG FUSE HIGH	2	⚠
C10	K1MN20BA0231	20P CONNECTOR	1	
C11	K1MN55BA0076	55P CONNECTOR	1	
C20	K1MN20BA0231	20P CONNECTOR	1	
C21,22	K1MN68BA0076	68P CONNECTOR	2	
C32	K1MN68BA0076	68P CONNECTOR	1	
C33	K1KA10B00218	10P CONNECTOR	1	
C35	K1KA04BA0107	4P CONNECTOR	1	
C1102	F1J1A106A043	C 0.010UF, K, 10V	1	
C1103,04	F1G1C104A081	C 0.10UF, K, 16V	2	
C1106	F1H1H2700008	E 27UF, 50V	1	
C1107	F1H1H2200008	E 22UF, 50V	1	
C1108	F1G1C104A081	C 0.10UF, K, 16V	1	
C1109	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1111	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C1112	F1G1C104A081	C 0.10UF, K, 16V	1	
C1114	F1G1C104A081	C 0.10UF, K, 16V	1	
C1117	F1G1C104A081	C 0.10UF, K, 16V	1	
C1122	F1G1E1030005	C 0.01UF, Z, 25V	1	
C1123	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C2005,06	F1H1H5610007	E 560UF, 50V	2	
C2010,11	F1H1H5610007	E 560UF, 50V	2	
C2013,14	F1H1H5610007	E 560UF, 50V	2	
C2016,17	F1H1H5610007	E 560UF, 50V	2	
C2021,22	F1H1H5610007	E 560UF, 50V	2	
C2023	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2048-50	ECJ1XB1H104K	C 10PF, J, 50V	3	
C2052,53	ECJ1XB1H104K	C 10PF, J, 50V	2	
C2054	F1J1A106A043	C 0.010UF, K, 10V	1	
C2055,56	ECJ1VC1H120J	C 12PF, J, 50V	2	
C2057,58	ECJ1XB1H104K	C 10PF, J, 50V	2	
C2059	F2G0J470A019	E 47UF 6.3V	1	
C2088	ECJ2FB1A475K	C 4.7UF, K, 10V	1	
C2089	F1H1H5610007	E 560UF, 50V	1	
C2091	ECJ1VC1H100C	C 10PF, C, 50V	1	
C2092	F1H1H2200008	E 22UF, 50V	1	
C2096,97	ECJ1XB1H104K	C 10PF, J, 50V	2	
C2098,99	EEEHB0J221UP	C 220PF, J, 6.3V	2	
C2100	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2101	F1J1A106A043	C 0.010UF, K, 10V	1	
C2102	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2105,06	ECJ1XB1H104K	C 10PF, J, 50V	2	
C2107,08	F2G0J470A019	E 47UF 6.3V	2	
C2109,10	ECJ1XB1H104K	C 10PF, J, 50V	2	
C2111	F1H0J2250008	C 2.2UF, K, 16V	1	
C2112,13	F2G0J470A019	E 47UF 6.3V	2	
C2114,15	ECJ1XB1H104K	C 10PF, J, 50V	2	
C2116	F1H1H471A792	E 470UF, 50V	1	
C2117	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2118	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C2119	EEEHB1A221P	C 220PF, J, 10V	1	
C2120,21	F1H1H5600007	E 56UF, 50V	2	
C2124	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2126	F1J1A106A043	C 0.010UF, K, 10V	1	
C2130	F1J0J106A021	C 0.010UF, K, 16V	1	
C2131	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2133	EEEHB1H4R7R	C 4.7PF, J, 50V	1	
C2134	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2135,36	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C2137	F2G0J470A019	E 47UF 6.3V	1	
C2138	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2143	F1H1H181A792	E 180UF, 50V	1	
C2146	F1H1H181A792	E 180UF, 50V	1	
C2147	EEEHB1C220R	C 22PF, J, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2151	F2G0J470A019	E 47UF 6.3V	1	
C2153	ECJ1VC1H330J	C 33PF, J, 50V	1	
C2154	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2155	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2157	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2159,60	ECJ1VB1C105K	C 0.01UF, K, 16V	2	
C2161	EEEHB1C101UP	C 100PF, J, 16V	1	
C2162-67	ECJ1VB1C105K	C 0.01UF, K, 16V	6	
C2170	ECJ1VC1H330J	C 33PF, J, 50V	1	
C2171	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2173	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C2174	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C2175	EEEHB1C470P	C 47PF, J, 16V	1	
C2176	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2179	EEEHB1C470P	C 47PF, J, 16V	1	
C2180	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C2183	F1J1A106A043	C 0.010UF, K, 10V	1	
C2184	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C2185	F1J1A106A043	C 0.010UF, K, 10V	1	
C2186	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2187	F1H0J2250008	C 2.2UF, K, 16V	1	
C2188	F1H1H471A792	E 470UF, 50V	1	
C2189	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C2190,91	F1J1A106A043	C 0.010UF, K, 10V	2	
C2192	F2G0J470A019	E 47UF 6.3V	1	
C2195	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C2197,98	ECJ1VB1C333K	C 0.033UF, K, 16V	2	
C2202	F1H0J2250008	C 2.2UF, K, 16V	1	
C2203	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C2204	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2213	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C2216	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2244	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2245	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C2246	F1J1A106A043	C 0.010UF, K, 10V	1	
C2251	F1J1A106A043	C 0.010UF, K, 10V	1	
C2263,64	F1J1A106A043	C 0.010UF, K, 10V	2	
C2265-68	ECJ1XC1H101J	C 100PF, J, 50V	4	
C2270,71	F1H1H471A792	E 470UF, 50V	2	
C2272	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C2280	ECJ2FB1A475K	C 4.7UF, K, 10V	1	
C2281	F1H1H5610007	E 560UF, 50V	1	
C2288,89	F1J1A106A043	C 0.010UF, K, 10V	2	
C2301,02	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C2303	F1J1E105A171	E 1 UF 25V	1	
C2305	F1J1E105A171	E 1 UF 25V	1	
C2307	F1J1E105A171	E 1 UF 25V	1	
C2309	F1J1E105A171	E 1 UF 25V	1	
C2311	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2313	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2315	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2317	ECJ1VB1C333K	C 0.033UF, K, 16V	1	
C2319	ECJ1VB1C333K	C 0.033UF, K, 16V	1	
C2321	ECJ1VB1C333K	C 0.033UF, K, 16V	1	
C2323	ECJ1VB1C333K	C 0.033UF, K, 16V	1	
C2325	F1J1H474A757	C 0.47UF, 50V	1	
C2327	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2329	ECJ1XB1H104K	C 10PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2331	F1J1H474A757	C 0.47UF, 50V	1	
C2333	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2335	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2337	F1H1H223A219	E 0.022UF, 50V	1	
C2339	F1H1H223A219	E 0.022UF, 50V	1	
C2341	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2343	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2345	F1H1H223A219	E 0.022UF, 50V	1	
C2347	F1H1H223A219	E 0.022UF, 50V	1	
C2349	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2352	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C2353	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2355	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2357	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2359	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2361	EEEFG1E471P	E 470UF, 25V	1	
C2363	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2365	EEEHB1C221UP	C 220PF, J, 16V	1	
C2375	F1H1H223A219	E 0.022UF, 50V	1	
C2377	F1H1H223A219	E 0.022UF, 50V	1	
C2379	F1H1H223A219	E 0.022UF, 50V	1	
C2381	F1H1H223A219	E 0.022UF, 50V	1	
C2383	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C2385	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C2387	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C2389	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C2502,03	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C2512	F1K0J1060020	C 10UF, K,6.3V	1	
C2515	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2521	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2522-27	ECJ1VB1H102K	C 1000UF, Z, 50V	6	
C2601,02	ECJ1XB1H104K	C 10PF, J, 50V	2	
C2801	ECJ3XB1C106M	C 1.0UF, K, 16V	1	
C2802,03	F1J1H474A757	C 0.47UF, 50V	2	
C2813	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2814	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C2815	ECJ1XB1H104K	C 10PF, J, 50V	1	
C2816	EEEHB1V220P	E 22UF, 35V	1	
C2817	ECJ1VB1H102K	C 1000UF, Z, 50V	1	
C2819	EEEHB1E470P	C 47PF, J, 25V	1	
C3021	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3023,24	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C3026	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3027,28	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C3029	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C3031	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3033	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3040	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3043	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3051-56	ECJ1VB1A105K	C 0.01UF, Z, 50V	6	
C3060	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C3070	EEEHB0J221UP	C 220PF, J, 6.3V	1	
C3075	EEEHB1C221UP	C 220PF, J, 16V	1	
C3078	F1K0J226A008	C 22UF, K,6.3V	1	
C3081	F2H0J1010009	C 100UF, 6.3V	1	
C3100-02	ECJ1VB1A105K	C 0.01UF, Z, 50V	3	
C3103	EEEHB1C100R	C 10PF, J, 16V	1	
C3115-17	ECJ1XB1H104K	C 10PF, J, 50V	3	
C3118	EEEHB1C470P	C 47PF, J, 16V	1	
C3119	EEEHB1C100R	C 10PF, J, 16V	1	
C3120	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3201	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3214	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3216	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3226-28	ECJ1XB1H104K	C 10PF, J, 50V	3	
C3230	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3263	ECJ1XB1H104K	C 10PF, J, 50V	1	
C3265-68	ECJ1XB1H104K	C 10PF, J, 50V	4	
C3270	EEEHB0J102UP	C 1100PF, J, 6.3V	1	
C3271	EEEHB1C100R	C 10PF, J, 16V	1	
C3272	ECJ1XB1H104K	C 10PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3273	F2G1H100A031	E 10UF, 50V	1	
C3274-76	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3279	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3280	ECJ1XC1H101J	C 100PF, J, 50V	1	
C3281	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3701	ECJ2XC1H561K	C 560PF, K, 50V	1	
C3703	ECJ2XC1H561K	C 560PF, K, 50V	1	
C3711,12	ECJ2VF1H333Z	C 0.033UF, Z, 50V	2	
C3715	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3750	F1J1H102A721	E 1000UF, 50V	1	
C4500-03	F1G1C104A081	C 0.10UF, K, 16V	4	
C4506,07	F1G1C104A081	C 0.10UF, K, 16V	2	
C4508,09	EEEHB0J330R	C 33PF, J, 6.3V	2	
C4510,11	F1G1C104A081	C 0.10UF, K, 16V	2	
C4515	F1G1C104A081	C 0.10UF, K, 16V	1	
C4527	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4528	F1G1C104A081	C 0.10UF, K, 16V	1	
C4531	F1G1C104A081	C 0.10UF, K, 16V	1	
C4533	F1G1H680A565	E 68UF, 50V	1	
C4534,35	ECJ1XB1H104K	C 10PF, J, 50V	2	
C4538	F2G0J470A019	E 47UF 6.3V	1	
C4539	F1J1A106A043	C 0.010UF, K, 10V	1	
C4541	F1H1H471A219	E 470UF, 50V	1	
C4543-45	F1G1C104A081	C 0.10UF, K, 16V	3	
C4546	F1H0J2250008	C 2.2UF, K, 16V	1	
C4547	F1G1C104A081	C 0.10UF, K, 16V	1	
C4548,49	ECJ1XB1H104K	C 10PF, J, 50V	2	
C4550	F1G1C104A081	C 0.10UF, K, 16V	1	
C4551,52	ECJ1XB1H104K	C 10PF, J, 50V	2	
C4553	F1G1H1020008	E 1000UF, 50V	1	
C4555,56	F1J1A106A043	C 0.010UF, K, 10V	2	
C4557	F1G1C104A081	C 0.10UF, K, 16V	1	
C4559,60	F1G1C104A081	C 0.10UF, K, 16V	2	
C4562	F1H1H822A219	E 8200UF, 50V	1	
C4563	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4564,65	F1G1E1030005	C 0.01UF, Z, 25V	2	
C4566	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C4568	F1G1C104A081	C 0.10UF, K, 16V	1	
C4569	F1J1C684A097	C 0.68UF, Z, 16V	1	
C4570	F2G0J470A019	E 47UF 6.3V	1	
C4572,73	F1G1C104A081	C 0.10UF, K, 16V	2	
C4574	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4575	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4576	F2G0J470A019	E 47UF 6.3V	1	
C4577,78	F1G1C104A081	C 0.10UF, K, 16V	2	
C4580	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4581	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4582,83	F1G1C104A081	C 0.10UF, K, 16V	2	
C4584,85	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4586	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4587	F1G1C104A081	C 0.10UF, K, 16V	1	
C4588	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4589	F1G1H150A565	E 15UF, 50V	1	
C4590	ECJ0EC1H180J	C 180PF, K, 50V	1	
C4591,92	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C4593	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4595	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4596	F1G1C104A081	C 0.10UF, K, 16V	1	
C4598	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4600,01	F1G1E1030005	C 0.01UF, Z, 25V	2	
C4602	F1G1C104A081	C 0.10UF, K, 16V	1	
C4604	F1H0J2250008	C 2.2UF, K, 16V	1	
C4605	F1G1C104A081	C 0.10UF, K, 16V	1	
C4607	F2G0J470A019	E 47UF 6.3V	1	
C4609	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4611	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4612	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4613	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4614	F1G1C104A081	C 0.10UF, K, 16V	1	
C4615	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4616,17	F1G1C104A081	C 0.10UF, K, 16V	2	
C4618	F1G1E1030005	C 0.01UF, Z, 25V	1	
C4619	F1G1C104A081	C 0.10UF, K, 16V	1	
C4620	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4623	F1G1C104A081	C 0.10UF, K, 16V	1	
C4624,25	ECJ1XB1H104K	C 10PF, J, 50V	2	
C4628	F1G1C104A081	C 0.10UF, K, 16V	1	
C4629	F1J1A106A043	C 0.010UF, K, 10V	1	
C4807	F1G1C104A081	C 0.10UF, K, 16V	1	
C5501	F2A1C471A537	E 470UF, 16V	1	
C5502	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C5503	F2A1C471A537	E 470UF, 16V	1	
C5504	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C5521,22	ECJ2VB1C104K	C 0.1UF, K, 16V	2	
C5551	F2A1H331A257	E 330UF, 50V	1	
C5552	ECJ2VB1E104K	C 0.1UF, K, 25V	1	
C5595	ECA1HM220	E 22UF, 50V	1	
C5600	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5601	F1G1C104A081	C 0.10UF, K, 16V	1	
C5602	ECGRL0G680ER	C 68PF, J, 4V	1	
C5603,04	F1G1E1030005	C 0.01UF, Z, 25V	2	
C5605	F1J1A475A039	C 4.7UF, K, 10V	1	
C5606	F1H1H471A219	E 470UF, 50V	1	
C5607	F1G1H221A459	E 220UF, 50V	1	
C5608	F1G1C104A081	C 0.10UF, K, 16V	1	
C5609,10	EEEHB1C470P	C 47PF, J, 16V	2	
C5615	F1J1A106A043	C 0.010UF, K, 10V	1	
C5616	ECJ0EB1A473K	C 0.047UF, K, 10V	1	
C5617	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5618,19	F1J1A106A043	C 0.010UF, K, 10V	2	
C5620	ECJ1XB1H104K	C 10PF, J, 50V	1	
C5621	F1G1E1030005	C 0.01UF, Z, 25V	1	
C5622	F1J1A475A039	C 4.7UF, K, 10V	1	
C5623	ECJ0EB1H471K	C 470PF, K, 50V	1	
C5624	F1G1H221A459	E 220UF, 50V	1	
C5625	F1G1E1030005	C 0.01UF, Z, 25V	1	
C5626,27	F1G1C104A081	C 0.10UF, K, 16V	2	
C5628,29	ECGRL0G680ER	C 68PF, J, 4V	2	
C5630,31	EEEHB1C470P	C 47PF, J, 16V	2	
C5632	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C5636-41	F1G1C104A081	C 0.10UF, K, 16V	6	
C5643	ECJ1XB1H104K	C 10PF, J, 50V	1	
C5644	F1G1E1030005	C 0.01UF, Z, 25V	1	
C5645	F1H1A225A051	E 22UF, 50V	1	
C5661	F1G1E1030005	C 0.01UF, Z, 25V	1	
C5662	ECJ0EB1A473K	C 0.047UF, K, 10V	1	
C5663	F1G1E1030005	C 0.01UF, Z, 25V	1	
C5670	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C5673,74	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C5676	F1G1C104A081	C 0.10UF, K, 16V	1	
C5690,91	F2G0J470A019	E 47UF 6.3V	2	
C5692,93	ECJ1XB1H104K	C 10PF, J, 50V	2	
C5694,95	F2G0J470A019	E 47UF 6.3V	2	
C5710-16	ECJ2VF1C104Z	C 0.1UF, Z, 16V	7	
C6001	F1L2J562A022	C 5600UF, K,6.3V	1	
C6011-16	F2A2T201A002	E 200UF,	6	
C6023	F1L2J562A022	C 5600UF, K,6.3V	1	
C6031	F0C2E405A176	E 0.040UF, 250V	1	
C6037	F1L1E4750004	C 4.7UF, 25V	1	
C6111,12	F2A2D221A022	E 220UF, 200V	2	
C6132	F1L1E4750004	C 4.7UF, 25V	1	
C6134,35	F1L1E4750004	C 4.7UF, 25V	2	
C6151	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6152-54	F1L1E4750004	C 4.7UF, 25V	3	
C6193-95	F1L1E4750004	C 4.7UF, 25V	3	
C6197	F1L1E4750004	C 4.7UF, 25V	1	
C6201-04	F0C2E405A176	E 0.040UF, 250V	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6211,12	F1L1E4750004	C 4.7UF, 25V	2	
C6213	F2A1E102A220	E 1000UF, 25V	1	
C6216	F1L1E4750004	C 4.7UF, 25V	1	
C6221	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6223	F2A2E470A022	E 47UF, 250V	1	
C6241	F2A1A101A439	E 100UF, 10V	1	
C6242	F1H1C105A072	C 1UF, K, 16V	1	
C6243	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6247,48	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6251	F1H1C105A072	C 1UF, K, 16V	1	
C6252	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6261,62	F2A2A471A072	E 470UF, 100V	2	
C6272,73	F2A1E221A487	E 220UF, 25V	2	
C6276	F1L1E4750004	C 4.7UF, 25V	1	
C6281	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6287,88	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6402-04	F1L2J222A022	C 2200UF, K,6.3V	3	
C6411-16	F2A2T201A002	E 200UF,	6	
C6421-24	F1L2J222A022	C 2200UF, K,6.3V	4	
C6431	F0C2E405A176	E 0.040UF, 250V	1	
C6471	F1L2J1020001	C 1000UF, K,6.3V	1	
C6472	ECJ2XC1H101J	C 100PF, J, 50V	1	
C6480	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6481,82	F1L1E4750004	C 4.7UF, 25V	2	
C6485	F1L1E4750004	C 4.7UF, 25V	1	
C6491	F1L2J1020001	C 1000UF, K,6.3V	1	
C6499	F1H1C105A072	C 1UF, K, 16V	1	
C6500	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6502	F1L1E4750004	C 4.7UF, 25V	1	
C6504,05	F1L1E4750004	C 4.7UF, 25V	2	
C6521	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6522	F1L1E4750004	C 4.7UF, 25V	1	
C6524,25	F1L1E4750004	C 4.7UF, 25V	2	
C6527	F1L1E4750004	C 4.7UF, 25V	1	
C6531-34	F0C2E405A176	E 0.040UF, 250V	4	
C6561	F2A1A101A439	E 100UF, 10V	1	
C6562	F1H1C105A072	C 1UF, K, 16V	1	
C6563	F2A1A101A439	E 100UF, 10V	1	
C6564	F1H1C105A072	C 1UF, K, 16V	1	
C6565,66	ECJ2VB1H103K	C 0.01UF, K, 50V	2	
C6571,72	F1L2J1020001	C 1000UF, K,6.3V	2	
C6579	F2A2T201A002	E 200UF,	1	
C6581	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6582	F1H1C105A072	C 1UF, K, 16V	1	
C6592	F2A1E221A487	E 220UF, 25V	1	
C6593	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6594	F2A1E221A487	E 220UF, 25V	1	
C6603,04	F1K2J102A014	C 1000UF, K,6.3V	2	
C6605,06	F1L2J472A022	C 4700UF, K,6.3V	2	
C6620,21	ECKD3A392KBP	C 3900PF, K, 1KV	2	
C6641	ECQE2105RKB	P 1UF, 250V	1	
C6661,62	F1K2J102A014	C 1000UF, K,6.3V	2	
C6671	F1L1E4750004	C 4.7UF, 25V	1	
C6692	ECA2CM101	E 100UF, 160V	1	
C6694	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6695	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6702-06	ECJ2XB1H104K	C 0.1UF, K, 50V	5	
C6708	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6721	F2A1H101A493	E 100UF, 50V	1	
C6722	ECJ2XC1H101J	C 100PF, J, 50V	1	
C6723-25	F1L1E4750004	C 4.7UF, 25V	3	
C6726,27	F1H1C105A072	C 1UF, K, 16V	2	
C6752	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6753	F1L1E4750004	C 4.7UF, 25V	1	
C6755,56	F1L1E4750004	C 4.7UF, 25V	2	
C6771	F1H1C105A072	C 1UF, K, 16V	1	
C6772,73	F1L1E4750004	C 4.7UF, 25V	2	
C6775	F1L1E4750004	C 4.7UF, 25V	1	
C6776,77	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6791	F2A1E221A487	E 220UF, 25V	1	
C6795,96	F2A1E221A487	E 220UF, 25V	2	
C6802	ECQE6223KF	P 0.022UF, K,400V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6803	ECKD3D221KBP	C 220PF, K, 2KV	1	
C6804	F2A2E100A022	E 10UF, 250V	1	
C6805	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6806	ECA2CM101	E 100UF, 160V	1	
C6807	ECJ2XC1H471J	C 470PF, J, 50V	1	
C6811	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6812	F1L1E4750004	C 4.7UF, 25V	1	
C6813	ECA2CM101	E 100UF, 160V	1	
C6814	F2A1E221A487	E 220UF, 25V	1	
C6815	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6822	F2A2G470A018	E 470UF, 400V	1	
C6823	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6832	ECJ2XB1H392K	C 3900PF, K, 50V	1	
C6841	ECA2DHG101	E 100UF, 200V	1	
C6842	ECA2CM101	E 100UF, 160V	1	
C6845	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6861	F1H1C105A072	C 1UF, K, 16V	1	
C6862	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6863	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6871	F1H1C105A072	C 1UF, K, 16V	1	
C6872	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6873	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6884	ECJ2VB1H103K	C 0.01UF, K, 50V	1	
C6901	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6902	TCUY1C105ZFN	C 1UF, 16V	1	
C6904	TCUY1C105ZFN	C 1UF, 16V	1	
C6906	TCUY1C105ZFN	C 1UF, 16V	1	
C6908	TCUY1C105ZFN	C 1UF, 16V	1	
C6910	TCUY1C105ZFN	C 1UF, 16V	1	
C6912	TCUY1C105ZFN	C 1UF, 16V	1	
C6923,24	F1L2E1040002	E 1000UF, 25V	2	
C6929,30	F1L2E1040002	E 1000UF, 25V	2	
C6931	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6932,33	F1L2E1040002	E 1000UF, 25V	2	
C6936,37	ECJ2VB1H221K	C 220PF, K, 50V	2	
C6951	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6952	TCUY1C105ZFN	C 1UF, 16V	1	
C6955	TCUY1C105ZFN	C 1UF, 16V	1	
C6957,58	TCUY1C105ZFN	C 1UF, 16V	2	
C6961	TCUY1C105ZFN	C 1UF, 16V	1	
C6963	TCUY1C105ZFN	C 1UF, 16V	1	
C6974,75	F1L2E1040002	E 1000UF, 25V	2	
C6981	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6982-85	F1L2E1040002	E 1000UF, 25V	4	
C6986,87	ECJ2VB1H221K	C 220PF, K, 50V	2	
C7103	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7105	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7106-08	ECJ1XC1H101J	C 100PF, J, 50V	3	
C7110,11	F1H1C105A072	C 1UF, K, 16V	2	
C7114,15	F1H1C105A072	C 1UF, K, 16V	2	
C7117-22	F1K2A474A006	C 0.47UF, 6.3V	6	
C7124,25	F1H1C105A072	C 1UF, K, 16V	2	
C7127,28	F1K2A474A006	C 0.47UF, 6.3V	2	
C7130,31	F1H1C105A072	C 1UF, K, 16V	2	
C7133	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7134,35	F1K2A474A006	C 0.47UF, 6.3V	2	
C7137,38	F1H1C105A072	C 1UF, K, 16V	2	
C7140	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7141	F1H1C105A072	C 1UF, K, 16V	1	
C7201	F1H1C105A072	C 1UF, K, 16V	1	
C7203	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7206	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7209,10	F1K2A474A006	C 0.47UF, 6.3V	2	
C7212,13	F1H1C105A072	C 1UF, K, 16V	2	
C7215-17	ECJ1XC1H101J	C 100PF, J, 50V	3	
C7219,20	F1H1C105A072	C 1UF, K, 16V	2	
C7222-25	F1K2A474A006	C 0.47UF, 6.3V	4	
C7227,28	F1H1C105A072	C 1UF, K, 16V	2	
C7230	F1H1C105A072	C 1UF, K, 16V	1	
C7231	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7301	F1K2A474A006	C 0.47UF, 6.3V	1	
C7305,06	F1K2A474A006	C 0.47UF, 6.3V	2	
C7308,09	F1H1C105A072	C 1UF, K, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7311	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7312,13	F1K2A474A006	C 0.47UF, 6.3V	2	
C7315,16	F1H1C105A072	C 1UF, K, 16V	2	
C7318	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7319,20	F1K2A474A006	C 0.47UF, 6.3V	2	
C7322,23	F1H1C105A072	C 1UF, K, 16V	2	
C7325	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7326	F1H1C105A072	C 1UF, K, 16V	1	
C7328	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7330	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7332	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7334	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8001	F1G1C104A081	C 0.10UF, K, 16V	1	
C8002-05	F1H0J1050012	C 1UF, K, 16V	4	
C8006-08	F1G1C104A081	C 0.10UF, K, 16V	3	
C8009,10	F1J1A106A043	C 0.010UF, K, 10V	2	
C8011-14	F1G1C104A081	C 0.10UF, K, 16V	4	
C8015,16	F1H0J1050012	C 1UF, K, 16V	2	
C8017	F1J1A106A043	C 0.010UF, K, 10V	1	
C8018-21	F1G1C104A081	C 0.10UF, K, 16V	4	
C8022	F1H0J1050012	C 1UF, K, 16V	1	
C8023,24	F1J1A106A043	C 0.010UF, K, 10V	2	
C8025-29	F1G1C104A081	C 0.10UF, K, 16V	5	
C8030,31	F1H0J1050012	C 1UF, K, 16V	2	
C8032	F1J1A106A043	C 0.010UF, K, 10V	1	
C8033,34	F1G1C104A081	C 0.10UF, K, 16V	2	
C8035,36	F1J1A106A043	C 0.010UF, K, 10V	2	
C8037-41	F1G1C104A081	C 0.10UF, K, 16V	5	
C8042	ECGRL0G680ER	C 68PF, J, 4V	1	
C8043-51	F1G1C104A081	C 0.10UF, K, 16V	9	
C8052	F1H0J1050012	C 1UF, K, 16V	1	
C8053	F1G1E1030005	C 0.01UF, Z, 25V	1	
C8056,57	F1G1C104A081	C 0.10UF, K, 16V	2	
C8058	F1J1A106A043	C 0.010UF, K, 10V	1	
C8067	F1G1E1030005	C 0.01UF, Z, 25V	1	
C8068	F1G1C104A081	C 0.10UF, K, 16V	1	
C8069	F1G1H820A565	E 82UF, 50V	1	
C8070-74	F1G1C104A081	C 0.10UF, K, 16V	5	
C8075	F1J0G2260001	C 0.001UF, 6.3V	1	
C8076-80	F1G1C104A081	C 0.10UF, K, 16V	5	
C8551,52	F1G1C104A081	C 0.10UF, K, 16V	2	
C8555	F1G1C104A081	C 0.10UF, K, 16V	1	
C8601	F1G1C104A081	C 0.10UF, K, 16V	1	
C8621,22	F1G1C104A081	C 0.10UF, K, 16V	2	
C8731	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9028,29	F1J1A106A043	C 0.010UF, K, 10V	2	
C9033,34	F1G1C104A083	C 0.10UF, K, 16V	2	
C9035,36	F1J1A106A043	C 0.010UF, K, 10V	2	
C9037	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9039	F1J1A106A043	C 0.010UF, K, 10V	1	
C9040	F1G1C104A083	C 0.10UF, K, 16V	1	
C9044	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9045-53	F1G1C104A083	C 0.10UF, K, 16V	9	
C9055-57	F1G1C104A083	C 0.10UF, K, 16V	3	
C9058	F1J1A106A043	C 0.010UF, K, 10V	1	
C9061	F1G1C104A077	C 0.10UF, K, 16V	1	
C9062	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9063	F1G1C104A083	C 0.10UF, K, 16V	1	
C9468	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9469	F1G1C104A083	C 0.10UF, K, 16V	1	
C9500	F1G1C104A077	C 0.10UF, K, 16V	1	
C9505	F1G1C104A077	C 0.10UF, K, 16V	1	
C9508	F1G1C104A077	C 0.10UF, K, 16V	1	
C9509,10	F1G1H120A565	E 12UF, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9511	F1J1A106A043	C 0.010UF, K, 10V	1	
C9516-25	F1G1C104A077	C 0.10UF, K, 16V	10	
C9526	F1J1A106A043	C 0.010UF, K, 10V	1	
C9527,28	F1G1C104A077	C 0.10UF, K, 16V	2	
C9531	F1J1A106A043	C 0.010UF, K, 10V	1	
C9559-64	F1G1C104A077	C 0.10UF, K, 16V	6	
C9823	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9825	F1G1H101A565	C 100PF, K, 50V	1	
C9832	F1J1A106A043	C 0.010UF, K, 10V	1	
C9837	F1J1A106A043	C 0.010UF, K, 10V	1	
C9838	F1G1C104A083	C 0.10UF, K, 16V	1	
C9840	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9841-43	F1G1C104A083	C 0.10UF, K, 16V	3	
C9844	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9845,46	F1G1C104A083	C 0.10UF, K, 16V	2	
C9858	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9859	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9860	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9861,62	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9863	ECJ2YB0J475K	C 3.3UF, Z, 4.7V	1	
C9864	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C9865,66	ECGRL0G680ER	C 68PF, J, 4V	2	
C9867-72	ECJ3YB1E106M	C 10 UF, K, 25V	6	
C9873	ECGRL0G680ER	C 68PF, J, 4V	1	
C9874	F1G1H680A565	E 68UF, 50V	1	
C9877	F1G1H680A565	E 68UF, 50V	1	
C9878	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9879,80	F1G1E822A086	C 8200UF, Z, 25V	2	
C9881	F1G1E1030005	C 0.01UF, Z, 25V	1	
C9882	F1G1E822A086	C 8200UF, Z, 25V	1	
C9883	F1G1H101A565	C 100PF, K, 50V	1	
C9884,85	F1G1H1020008	E 1000UF, 50V	2	
C9886,87	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9888	F1G1H361A565	E 360UF, 50V	1	
C9900-25	F1G1C104A077	C 0.10UF, K, 16V	26	
C9927-51	F1G1C104A077	C 0.10UF, K, 16V	25	
C9955-59	F1G1C104A077	C 0.10UF, K, 16V	5	
C9960-64	F1J1A106A043	C 0.010UF, K, 10V	5	
C9966,67	F1G1C104A077	C 0.10UF, K, 16V	2	
CB1-11	K1MN68BA0052	68P CONNECTOR	11	
CF6281	D4DA91000001	THERMISTOR	1	
D5	K1KB31BA0064	31P CONNECTOR	1	
D6	K1KA21A00011	21P CONNECTOR	1	
D9	K1KA07A00292	7P CONNECTOR	1	
D20	K1KY30BA0090	30P CONNECTOR	1	
D25	K1KA13B00069	13P CONNECTOR	1	
D31	K1MN55BA0257	55P CONNECTOR	1	
D32	K1MN68BA0251	68P CONNECTOR	1	
D1107	MA704A	DIODE	1	
D2026	MA2J11100L	DIODE	1	
D2028,29	MA2J11100L	DIODE	2	
D2031-34	MA2J11100L	DIODE	4	
D2119	B0BC01100001	ZENER DIODE	1	
D2189	MA2J11100L	DIODE	1	
D2301,02	MA2J11100L	DIODE	2	
D2303	MA3056H	ZENER DIODE	1	
D2304	MA2J11100L	DIODE	1	
D2512	MA8043LTX	ZENER DIODE	1	
D2520	LNJ107W5PRW	LED	1	
D2524	MAZ80560ML	ZENER DIODE	1	
D2632,33	MA2J11100L	DIODE	2	
D2634	MA3X78900L	ZENER DIODE	1	
D2635	MA2J11100L	DIODE	1	
D2636	MA3047H	ZENER DIODE	1	
D2637	MA2J11100L	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D2638	B0BC03900015	ZENER DIODE	1	
D3003	MA8140M	ZENER DIODE	1	
D3005,06	MA8140M	ZENER DIODE	2	
D3035-43	MA8140M	ZENER DIODE	9	
D3044	B0BC01100001	ZENER DIODE	1	
D3045-49	MA8140M	ZENER DIODE	5	
D3100	MA8140M	ZENER DIODE	1	
D3102	MA2J11100L	DIODE	1	
D3334-38	MA2J11100L	DIODE	5	
D3702	MA8140M	ZENER DIODE	1	
D4500-12	EZAEG2A50AX	DIODE	13	
D4513	MA3056MTX	ZENER DIODE	1	
D4514	EZAEG2A50AX	DIODE	1	
D4515	MA3056MTX	ZENER DIODE	1	
D4516-23	EZAEG2A50AX	DIODE	8	
D4524-27	B0HCMM000014	DIODE	4	
D4528	EZAEG2A50AX	DIODE	1	
D4532	B0HCMM000014	DIODE	1	
D5517	MTZJ10B	ZENER DIODE	1	
D5518	MTZJ12B	ZENER DIODE	1	
D5519	MTZJ6R8B	ZENER DIODE	1	
D5521	MA2J11100L	DIODE	1	
D5522	MA3X152A0L	DIODE	1	
D5526	MA3X152A0L	DIODE	1	
D5528	MA8120M	ZENER DIODE	1	
D5529	MAZ80680LL	ZENER DIODE	1	
D5530	MA2J11100L	DIODE	1	
D5601,02	MA22D3900L	DIODE	2	
D5603,04	B0JCDD000002	DIODE	2	
D5605	MA22D3900L	DIODE	1	
D5606	B0JCDD000002	DIODE	1	
D5607,08	MA8024LTX	ZENER DIODE	2	
D5609	MA8056LTX	ZENER DIODE	1	
D5670	MA2J11100L	DIODE	1	
D5671	B0HCMM000014	DIODE	1	
D5673	B0HCMM000014	DIODE	1	
D5690,91	B0BC6R600005	ZENER DIODE	2	
D6001	B0HBSN000008	DIODE	1	
D6021	MA3DF30000LZ	ZENER DIODE	1	
D6024,25	B0ECKP000047	DIODE	2	
D6032	MA2J11100L	DIODE	1	
D6061,62	B0HBSN000008	DIODE	2	
D6071,72	B0HBSN000008	DIODE	2	
D6081,82	MA3DF30000LZ	ZENER DIODE	2	
D6091	B0HBSN000008	DIODE	1	
D6092	B0ECKP000047	DIODE	1	
D6101-04	B0JCME000037	DIODE	4	
D6131,32	B0ECKP000047	DIODE	2	
D6151-53	B0ECKP000047	DIODE	3	
D6191	B0ECKP000047	DIODE	1	
D6193	B0ECKP000047	DIODE	1	
D6211	B0JCME000037	DIODE	1	
D6221	B0HDRP000003	DIODE	1	
D6222,23	MA2J11100L	DIODE	2	
D6225	B0ECKP000047	DIODE	1	
D6253	LNJ301MPUJA	LED	1	
D6255	MA2J11100L	DIODE	1	
D6273	MA2J11100L	DIODE	1	
D6275	MA8068M	ZENER DIODE	1	
D6277,78	MA3X152A0L	DIODE	2	
D6280	MAZ80510LL	ZENER DIODE	1	
D6281,82	B0JCME000037	DIODE	2	
D6401,02	B0HBSN000008	DIODE	2	
D6422	MA3DF40000LZ	ZENER DIODE	1	
D6442	B0ECKP000047	DIODE	1	
D6452	B0ECKP000047	DIODE	1	
D6462,63	B0HBSN000008	DIODE	2	
D6466	MA2J11100L	DIODE	1	
D6471	B0HBSN000008	DIODE	1	
D6472	B0ECKP000047	DIODE	1	
D6477	MA2J11100L	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6480	MA2J11100L	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6482,83	MA3DF30000LZ	ZENER DIODE	2	
D6491	MA3DF40000LZ	ZENER DIODE	1	
D6497	B0ECKP000047	DIODE	1	
D6499	MA2J11100L	DIODE	1	
D6500	MAZ80510LL	ZENER DIODE	1	
D6501	B0ECKP000047	DIODE	1	
D6503	B0ECKP000047	DIODE	1	
D6521-23	B0ECKP000047	DIODE	3	
D6561,62	B0ECKP000047	DIODE	2	
D6571	B0JCME000037	DIODE	1	
D6573	B0JCME000037	DIODE	1	
D6583	LNJ301MPUJA	LED	1	
D6584	MAZ80510LL	ZENER DIODE	1	
D6585	MA2J11100L	DIODE	1	
D6601,02	MA8240MTX	ZENER DIODE	2	
D6604	MA2J11100L	DIODE	1	
D6605	MAZ80510LL	ZENER DIODE	1	
D6606	B0HCMM000014	DIODE	1	
D6607	MA2J11100L	DIODE	1	
D6619	B0HCKS000002	DIODE	1	
D6621-23	B0HDSM000005	DIODE	3	
D6625	B0HDSM000005	DIODE	1	
D6631	B0JCME000037	DIODE	1	
D6633	B0JCME000037	DIODE	1	
D6641,42	B0HCKS000002	DIODE	2	
D6643	B0JCME000037	DIODE	1	
D6644	B0HCKS000002	DIODE	1	
D6661	MA2J11100L	DIODE	1	
D6662-64	MA8330M	ZENER DIODE	3	
D6665	MAZ80510LL	ZENER DIODE	1	
D6666,67	MA2J11100L	DIODE	2	
D6690	MA2J11100L	DIODE	1	
D6691,92	MA8200M	ZENER DIODE	2	
D6701	MA8056H	ZENER DIODE	1	
D6721	B0HCKS000002	DIODE	1	
D6722	MA2J11100L	DIODE	1	
D6725	B0ECKP000047	DIODE	1	
D6726-33	MA8056H	ZENER DIODE	8	
D6742,43	MA2J11100L	DIODE	2	
D6761	B0JCME000037	DIODE	1	
D6764	B0HCKS000002	DIODE	1	
D6765-67	B0ECKP000047	DIODE	3	
D6773	B0HCKS000002	DIODE	1	
D6791	MA8200M	ZENER DIODE	1	
D6802	B0BC01000044	ZENER DIODE	1	
D6803	B0HCKS000002	DIODE	1	
D6804	B0ECHP000003	DIODE	1	
D6805	MA2J11100L	DIODE	1	
D6806	B0HCKS000002	DIODE	1	
D6807-10	B0HCMM000014	DIODE	4	
D6816	MAZ80510LL	ZENER DIODE	1	
D6817	MAZ80680HL	ZENER DIODE	1	
D6820-23	MA2J11100L	DIODE	4	
D6824,25	MA8330M	ZENER DIODE	2	
D6826	MA2J11100L	DIODE	1	
D6827,28	MA8330M	ZENER DIODE	2	
D6830	MA8056H	ZENER DIODE	1	
D6836	MAZ81500ML	ZENER DIODE	1	
D6837	MA2J11100L	DIODE	1	
D6838	B0BC027A0234	ZENER DIODE	1	
D6839	B0ECKP000047	DIODE	1	
D6841	B0HCKS000002	DIODE	1	
D6842,43	MA2J11100L	DIODE	2	
D6859	B0ECKP000047	DIODE	1	
D6860	B0HCKS000002	DIODE	1	
D6861	MAZ80510LL	ZENER DIODE	1	
D6862	MA2J11100L	DIODE	1	
D6871	MAZ80510LL	ZENER DIODE	1	
D6872	MA2J11100L	DIODE	1	
D6883	MA2J11100L	DIODE	1	
D6886,87	B0ECKP000047	DIODE	2	
D6901,02	MA8056H	ZENER DIODE	2	
D6903,04	B0HCMM000013	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6907	B0HCMM000013	DIODE	1	
D6951,52	MA8056H	ZENER DIODE	2	
D6953,54	B0HCMM000013	DIODE	2	
D6957	B0HCMM000013	DIODE	1	
D7101-10	B0HCMM000014	DIODE	10	
D7201-06	B0HCMM000014	DIODE	6	
D7301-06	B0HCMM000014	DIODE	6	
D9017-19	MA3033	ZENER DIODE	3	
D9020	B0JCCE000008	DIODE	1	
D9110	B0JCGD000002	DIODE	1	
D9802	B0JCCE000008	DIODE	1	
D9804	B0JCCE000008	DIODE	1	
D9807,08	B0JCCE000008	DIODE	2	
D9811	B0JCCE000008	DIODE	1	
D9812	MA22D3900L	DIODE	1	
D9813-15	B0JCGD000002	DIODE	3	
D9816,17	MA22D3900L	DIODE	2	
DG1	K1KA12B00151	12P CONNECTOR	1	
DG2	K1KB23A00003	23P CONNECTOR	1	
DG5	K1KB31AA0140	31P CONNECTOR	1	
DG6	K1KB80AA0218	80P CONNECTOR	1	
DG32	K1KA07AA0266	7P CONNECTOR	1	
DG33	K1KA11AA0153	11P CONNECTOR	1	
DG34	K1KA30AA0009	30P CONNECTOR	1	
FL2001,02	J0HABB000004	LC FILTER	2	
FL2003-06	J0HABB000003	LC FILTER	4	
FL3001,02	J0HABB000003	LC FILTER	2	
FL3003-05	J0HABB000004	LC FILTER	3	
FL3006,07	J0JAD0000028	CHIP INDUCTOR	2	
FL3008	J0HABB000003	LC FILTER	1	
FL3710-12	J0MAB0000199	LC FILTER	3	
FL4800-02	J0JAD0000028	CHIP INDUCTOR	3	
FL5730	J0HABH000013	LC FILTER	1	
FL5732-34	J0HABH000013	LC FILTER	3	
FL7101	J0HABH000013	LC FILTER	1	
FL7201,02	J0HABH000013	LC FILTER	2	
FL7301	J0HABH000013	LC FILTER	1	
FL9300,01	F1J1E104A148	C 0.10UF, Z, 25V	2	
FL9504	F1J1E104A148	C 0.10UF, Z, 25V	1	
FL9803	F1J1E104A148	C 0.10UF, Z, 25V	1	
FL9805,06	F1J1E104A148	C 0.10UF, Z, 25V	2	
FL9900-04	F1J1E104A148	C 0.10UF, Z, 25V	5	
G51	K1KY20A00015	20P CONNECTOR	1	
H2	K1KA23A00003	23P CONNECTOR	1	
H3,H4	K1KA23A00005	23P CONNECTOR	2	
H6	K1KB80AA0218	80P CONNECTOR	1	
H12	K1KA04AA0190	4P CONNECTOR	1	
H15	K1KA04AA0150	4P CONNECTOR	1	
H51	K1KA20AA0178	20P CONNECTOR	1	
IC1100	MNZSFD7GP42	IC	1	
IC1101	TVRP465	IC	1	
IC2008	C0CBCBE00001	IC	1	
IC2010	C0CBCBC00190	IC	1	
IC2011	C0ABBB000230	IC	1	
IC2012	C1BB00000947	IC	1	
IC2013	C0DBGYY00281	IC	1	
IC2105	AN15862A-VT	IC	1	
IC2106	C1AB00002746	IC	1	
IC2107	C0DBFFD00003	IC	1	
IC2301	C1AB00002730	IC	1	
IC2303	C0DBGYY00202	IC	1	
IC2601	C0JBAU000034	IC	1	
IC2610	C0DBAJB00004	IC	1	
IC3001	AN15876A-VT	IC	1	
IC4500	TVRP317	IC	1	
IC4501	TVRP316	IC	1	
IC4504	C3EBEY000009	IC	1	
IC4506	C0DBGGF00001	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC4507	C0CBCBC00190	IC	1	
IC4508,09	C0CBCAD00082	IC	2	
IC4510	C1AB00002753	IC	1	
IC4515	NJM2903V	IC	1	
IC4800	C1ZBZ0003577	IC	1	
IC5550	EHMDD9851	LINEAR IC	1	
IC5600	C0DBAYY00273	IC	1	
IC5601	C0DBAYY00274	IC	1	
IC5660	C0EBM0000026	IC	1	
IC5670	C0CBCBC00190	IC	1	
IC5671	C0EBF0000376	IC	1	
IC6131	C0ZBZ0000895	IC	1	
IC6151	C0ZBZ0001324	IC	1	
IC6191	C0ZBZ0000895	IC	1	
IC6211	C0ZBZ0001325	IC	1	
IC6221	C0DBEMC00043	IC	1	
IC6241	C0JBAZ000005	IC	1	
IC6251	NJM2903M	INTEGRATED CIRCUIT	1	
IC6281	C0DBEMC00043	IC	1	
IC6471	C0DBEKA00003	IC	1	
IC6472	C0JBAA000377	IC	1	
IC6481	C0ZBZ0000895	IC	1	
IC6500	NJM2903M	INTEGRATED CIRCUIT	1	
IC6501	C0ZBZ0000895	IC	1	
IC6521	C0ZBZ0001324	IC	1	
IC6561,62	C0JBAZ000005	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6671	C0ZBZ0001325	IC	1	
IC6721,22	C0JBAZ000994	IC	2	
IC6724,25	C0CBADC00072	IC	2	
IC6752	C0ZBZ0001324	IC	1	
IC6771	C0CBADC00072	IC	1	
IC6772	C0ZBZ0001325	IC	1	
IC6773,74	C0JBAA000377	IC	2	
IC6791	EHMDD9863	LINEAR IC	1	
IC6801	C0DBEMC00043	IC	1	
IC6803	C0DAAMH00005	IC	1	
IC6821	C0DBEMC00043	IC	1	
IC6841	C0DBEMC00043	IC	1	
IC6861	NJM2903M	INTEGRATED CIRCUIT	1	
IC6871	NJM2903M	INTEGRATED CIRCUIT	1	
IC6881	C0DBEMC00043	IC	1	
IC6901-06	AN16076A-VT	IC	6	
IC6951-56	AN16076A-VT	IC	6	
IC7101,02	C0JBAZ001120	IC	2	
IC7201-03	C0JBAZ001120	IC	3	
IC7301-04	C0JBAZ001120	IC	4	
IC8001	MN2WS0039A	IC	1	
IC8002,03	C3ABRG000080	IC	2	
IC8004	C0ZBZ0001030	IC	1	
IC8554	TVRP463-2	IC	1	
IC8601	TVRP304	IC	1	TH-50PV70M/MT
IC8601	TVRP303	IC	1	TH-50PV70H
IC8601	TVRP305	IC	1	TH-50PV70MR
IC8601	TVRP306	IC	1	TH-50PV70AZ
IC8621,22	C0JBAZ002845	IC	2	
IC9001	TVRP208-2	IC	1	
IC9002	C1ZBZ0003577	IC	1	
IC9003	MNZSFC9GPH2	IC	1	
IC9007	TVRP211-3	IC	1	
IC9011	C0EBF0000431	IC	1	
IC9013	C0JBAZ002060	IC	1	
IC9200	C1ZBZ0003566	IC	1	
IC9303	TVRP218-1	IC	1	
IC9500	C1ZBZ0003575	IC	1	
IC9802,03	C0JBAZ001120	IC	2	
IC9805	C0DBAYY00274	IC	1	
IC9806	C0DBAYY00273	IC	1	
IC9900	MN84524	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC9901	C3ABQJ000055	IC	1	
JA2	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
JA4-A8	ERJ6GEY0R00V	M 0 OHM, 1/10W	5	
JK2003	K2HA204A0053	JACK	1	
JK3001	K1FB315A0006	CONNECTOR	1	
JK3100	K1U936A00002	CONNECTOR UNIT	1	
JK3701C	K4AK18B00003	TERMINAL BOARD	1	
JK4500,01	K1FY119D0002	CONNECTOR	2	
JK8801	K1NA09D00004	9P CONNECTOR	1	
JS1100	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
JS1109	D0YAR0000007	M 0.0 OHM, J,0.063W	1	TH-50PV70H
JS1110	D0YAR0000007	M 0.0 OHM, J,0.063W	1	TH-50PV70M/MT
JS1112	D0YAR0000007	M 0.0 OHM, J,0.063W	1	TH-50PV70AZ
JS1122	D0YAR0000007	M 0.0 OHM, J,0.063W	1	TH-50PV70MR
JS2031-33	J0JCC0000100	CHIP INDUCTOR	3	
JS2046	J0JCC0000100	CHIP INDUCTOR	1	
JS2048,49	J0JCC0000100	CHIP INDUCTOR	2	
JS2051	J0JCC0000100	CHIP INDUCTOR	1	
JS2059-62	J0JCC0000100	CHIP INDUCTOR	4	
JS2064	J0JCC0000100	CHIP INDUCTOR	1	
JS2096	J0JCC0000100	CHIP INDUCTOR	1	
JS2101	J0JCC0000100	CHIP INDUCTOR	1	
JS2517	J0JCC0000100	CHIP INDUCTOR	1	
JS3007	J0JCC0000100	CHIP INDUCTOR	1	
JS3010-15	ERJ6GEY0R00V	M 0 OHM, 1/10W	6	
JS3023,24	J0JCC0000100	CHIP INDUCTOR	2	
JS3032	J0JCC0000100	CHIP INDUCTOR	1	
JS3206	J0JCC0000100	CHIP INDUCTOR	1	
JS3208	J0JCC0000100	CHIP INDUCTOR	1	
JS3213	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
JS3700	J0JCC0000100	CHIP INDUCTOR	1	
JS3704,05	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
JS3707,08	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
JS4501	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
K1	K1KY12B00001	12P CONNECTOR	1	
L1100	J0JHC0000078	CHIP INDUCTOR	1	
L2001,02	J0JCC0000364	CHIP INDUCTOR	2	
L2003,04	J0JCC0000100	BEAD CHOKE	2	
L2007,08	J0JCC0000100	BEAD CHOKE	2	
L2011,12	J0JCC0000100	BEAD CHOKE	2	
L2015,16	J0JCC0000100	BEAD CHOKE	2	
L2021	J0JHC0000078	CHIP INDUCTOR	1	
L2022	J0JCC0000100	CHIP INDUCTOR	1	
L2026	G1C6R8MA0061	INDUCTOR COIL	1	
L2027	J0JHC0000045	CHIP INDUCTOR	1	
L2029	J0JCC0000077	CHIP INDUCTOR	1	
L2034,35	J0JCC0000364	CHIP INDUCTOR	2	
L2039,40	J0JHC0000045	CHIP INDUCTOR	2	
L2300	G1C100MA0291	INDUCTION COIL	1	
L2302	G1C100MA0291	INDUCTION COIL	1	
L2304	G1C100MA0291	INDUCTION COIL	1	
L2306	G1C100MA0291	INDUCTION COIL	1	
L2308	J0JJC0000011	CHIP INDUCTOR	1	
L2310	J0JJC0000011	CHIP INDUCTOR	1	
L2647	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
L2648	G1C470MA0077	INDUCTION COIL	1	
L2649	G1C100MA0072	INDUCTION COIL	1	
L2650	G1C3R3ZA0083	INDUCTION COIL	1	
L3001-03	J0JCC0000100	BEAD CHOKE	3	
L3010	J0JCC0000100	BEAD CHOKE	1	
L3013	J0JCC0000100	BEAD CHOKE	1	
L3206-08	J0JCC0000241	CHIP INDUCTOR	3	
L3209	J0JGC0000021	CHIP INDUCTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L3211	J0JGC0000021	CHIP INDUCTOR	1	
L3225,26	J0JCC0000241	CHIP INDUCTOR	2	
L3700,01	J0JCC0000364	CHIP INDUCTOR	2	
L3707,08	J0JCC0000100	BEAD CHOKE	2	
L4500-07	J0JHC0000078	CHIP INDUCTOR	8	
L4511	J0JHC0000078	CHIP INDUCTOR	1	
L4512	J0JCC0000077	CHIP INDUCTOR	1	
L4516-18	J0JHC0000078	CHIP INDUCTOR	3	
L4520,21	J0JHC0000078	CHIP INDUCTOR	2	
L4524	J0JHC0000078	CHIP INDUCTOR	1	
L5550	TALL08N2R7MA	INDUCTION COIL	1	
L5551,52	G0C150MA0056	PEAKING COIL	2	
L5564	TALL08N2R7MA	INDUCTION COIL	1	
L5565	G0A220GA0002	CHOKE COIL	1	
L5566	TALL08N2R7MA	INDUCTION COIL	1	
L5600,01	G1C2R2ZA0083	INDUCTION COIL	2	
L5602	G1C3R3ZA0083	INDUCTION COIL	1	
L5604	G1C100MA0077	INDUCTION COIL	1	
L5605	J0JCC0000241	CHIP INDUCTOR	1	
L5606	G1C100MA0077	INDUCTION COIL	1	
L5610,11	J0JHC0000035	CHIP INDUCTOR	2	
L5670	J0JHC0000078	CHIP INDUCTOR	1	
L5690,91	J0JHC0000078	CHIP INDUCTOR	2	
L5692	J0JCC0000241	CHIP INDUCTOR	1	
L5735	J0JHC0000078	CHIP INDUCTOR	1	
L6000	J0JJC0000015	CHIP INDUCTOR	1	
L6001-03	G0C1R6KA0119	PEAKING COIL	3	
L6005	G0C1R6KA0119	PEAKING COIL	1	
L6010	J0JJC0000015	CHIP INDUCTOR	1	
L6011-14	G0C1R6KA0119	PEAKING COIL	4	
L6061-64	J0JKB0000049	FLAT CORE	4	
L6081-84	J0JKB0000049	FLAT CORE	4	
L6101,02	J0JJC0000015	CHIP INDUCTOR	2	
L6103	G0ZZ00002183	PEAKING COIL	1	
L6105,06	J0JJC0000015	CHIP INDUCTOR	2	
L6221	G0ZZ00002183	PEAKING COIL	1	
L6241	G0ZZ00002183	PEAKING COIL	1	
L6262	G0ZZ00002183	PEAKING COIL	1	
L6271	G0ZZ00002183	PEAKING COIL	1	
L6401-03	G0C1R6KA0119	PEAKING COIL	3	
L6405	G0C1R6KA0119	PEAKING COIL	1	
L6411-13	G0C1R6KA0119	PEAKING COIL	3	
L6415	G0C1R6KA0119	PEAKING COIL	1	
L6463-66	J0JKB0000049	FLAT CORE	4	
L6472	G0ZZ00002183	PEAKING COIL	1	
L6474	G0ZZ00002183	PEAKING COIL	1	
L6483-86	J0JKB0000049	FLAT CORE	4	
L6571	J0JJC0000015	CHIP INDUCTOR	1	
L6573	J0JJC0000015	CHIP INDUCTOR	1	
L6591,92	G0ZZ00002183	PEAKING COIL	2	
L6601,02	G0ZZ00002183	PEAKING COIL	2	
L6690	G0ZZ00002183	PEAKING COIL	1	
L6801,02	J0JJC0000015	CHIP INDUCTOR	2	
L6841	J0JJC0000015	CHIP INDUCTOR	1	
L6881	G0ZZ00002183	PEAKING COIL	1	
L8001-05	J0JHC0000045	CHIP INDUCTOR	5	
L8006	J0JCC0000100	CHIP INDUCTOR	1	
L8007-10	J0JHC0000045	CHIP INDUCTOR	4	
L8551	J0JCC0000241	CHIP INDUCTOR	1	
L8621	J0JCC0000241	CHIP INDUCTOR	1	
L9500	G1C150KA0038	INDUCTION COIL	1	
L9501,02	J0JHC0000078	CHIP INDUCTOR	2	
L9504,05	J0JHC0000078	CHIP INDUCTOR	2	
L9800	G1C2R2Z00007	INDUCTION COIL	1	
L9801	G1C1R5Z00006	INDUCTION COIL	1	
L9802	G1C2R2Z00007	INDUCTION COIL	1	
NP	TNPA4179AJ	CIRCUIT BOARD H	1	⚠
NP	TXNDG1HMTM	CIRCUIT BOARD DG	1	TH-50PV70M/MT ⚠
NP	TXNDG1HMTX	CIRCUIT BOARD DG	1	TH-50PV70MR ⚠
NP	TXNDG1HPTH	CIRCUIT BOARD DG	1	TH-50PV70H ⚠

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
NP	TXNDG1HPTP	CIRCUIT BOARD DG	1	TH-50PV70AZ ⚠
NP	TNPA4178AG	CIRCUIT BOARD PA	1	⚠
NP	ETXMM655MEH	CIRCUIT BOARD P	1	⚠
NP	TNPA4169	CIRCUIT BOARD C1	1	⚠
NP	TNPA4170	CIRCUIT BOARD C2	1	⚠
NP	TNPA4171	CIRCUIT BOARD C3	1	⚠
NP	TZTNP01HMTP	CIRCUIT BOARD D	1	⚠
NP	TNPA4186	CIRCUIT BOARD SC	1	⚠
NP	TNPA4189	CIRCUIT BOARD SD	1	⚠
NP	TNPA4187	CIRCUIT BOARD SS	1	⚠
NP	TNPA4202	CIRCUIT BOARD SS2	1	⚠
NP	TNPA4203	CIRCUIT BOARD SS3	1	⚠
NP	TNPA4188	CIRCUIT BOARD SU	1	⚠
NP	TNPA4262AB	CIRCUIT BOARD G	1	⚠
NP	TNPA4137AJ	CIRCUIT BOARD K	1	⚠
NP	TNPA4138AD	CIRCUIT BOARD S	1	⚠
PA3,A4	K1KB23A00004	23P CONNECTOR	2	
PA6	K1KA12AA0191	12P CONNECTOR	1	
PA7	K1KA11AA0191	11P CONNECTOR	1	
PA9800	K5H4022A0023	FUSE	1	
PA9900	K5H5022A0023	FUSE	1	
PAMM1	TMME047	CLAMPER	1	
PAMM11	TMME300	CLAMPER	1	
PAMM13	TMME300	CLAMPER	1	
PC6480	B3PBA0000223	IC	1	
PC6701,02	B3PBA0000233	IC	2	
PC6703	B3PBA0000234	IC	1	
PC6705	B3PBA0000397	IC	1	
PC6801	B3PBA0000223	IC	1	
PC6861	B3PBA0000223	IC	1	
PC6871	B3PBA0000223	IC	1	
Q1107,08	2SD0601ARL	TRANSISTOR	2	
Q2000,01	2SD0601ARL	TRANSISTOR	2	
Q2002,03	2SC584500L	TRANSISTOR	2	
Q2015	2SA207700L	TRANSISTOR	1	
Q2016,17	2SC584500L	TRANSISTOR	2	
Q2021	2SA207700L	TRANSISTOR	1	
Q2031	2SA207700L	TRANSISTOR	1	
Q2033	2SA207700L	TRANSISTOR	1	
Q2034,35	2SC584500L	TRANSISTOR	2	
Q2039-42	2SC584500L	TRANSISTOR	4	
Q2101,02	2SC584500L	TRANSISTOR	2	
Q2301	2SA207700L	TRANSISTOR	1	
Q2510,11	2SD0601ARL	TRANSISTOR	2	
Q2513	2SD0601ARL	TRANSISTOR	1	
Q2635	2SC584500L	TRANSISTOR	1	
Q2636,37	2SA207700L	TRANSISTOR	2	
Q2638	2SC584500L	TRANSISTOR	1	
Q2639	2SK3065T100	FET	1	
Q3031,32	2SC584500L	TRANSISTOR	2	
Q3200	2SA207700L	TRANSISTOR	1	
Q4500-05	2SD0601ARL	TRANSISTOR	6	
Q4514-17	2SB0709ARL	TRANSISTOR	4	
Q5501	2SD0601ARL	TRANSISTOR	1	
Q5521,22	2SA207700L	TRANSISTOR	2	
Q5523,24	2SD0601ARL	TRANSISTOR	2	
Q5561	B1DHDC000028	TRANSISTOR	1	
Q5562	2SD0601ARL	TRANSISTOR	1	
Q5600-02	B1MBEDA00015	TRANSISTOR	3	
Q5603,04	2SD0601ARL	TRANSISTOR	2	
Q5690,91	2SD0601ARL	TRANSISTOR	2	
Q5692,93	B1DHDC000028	TRANSISTOR	2	
Q6001-04	2PG0010000RP	TRANSISTOR	4	
Q6021-23	2PG0010000RP	TRANSISTOR	3	
Q6031	B1ADRD000001	TRANSISTOR	1	
Q6041-43	2PG0010000RP	TRANSISTOR	3	
Q6052,53	2PG0010000RP	TRANSISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6101,02	B1DFKM000002	TRANSISTOR	2	
Q6103	B1ABPF000014	TRANSISTOR	1	
Q6104	B1ADPF000004	TRANSISTOR	1	
Q6105,06	B1DFKM000002	TRANSISTOR	2	
Q6111	2SK326800L	FET	1	
Q6112	B1DFKM000001	TRANSISTOR	1	
Q6114	B1DFKM000001	TRANSISTOR	1	
Q6141	B1ABPF000014	TRANSISTOR	1	
Q6142	B1ADPF000004	TRANSISTOR	1	
Q6146	B1ABPF000014	TRANSISTOR	1	
Q6147	B1ADPF000004	TRANSISTOR	1	
Q6171	B1ABRD000003	TRANSISTOR	1	
Q6172	B1ADRD000001	TRANSISTOR	1	
Q6181	B1ABRD000003	TRANSISTOR	1	
Q6222A	2SC1473AEA	TRANSISTOR	1	
Q6251	2SD0601ARL	TRANSISTOR	1	
Q6256	2SD1263A	TRANSISTOR	1	
Q6271	2SD0601ARL	TRANSISTOR	1	
Q6281	B1ABPF000014	TRANSISTOR	1	
Q6282	B1ADPF000004	TRANSISTOR	1	
Q6401-04	2PG0010000RP	TRANSISTOR	4	
Q6422-24	2PG0030000RP	TRANSISTOR	3	
Q6441-43	2PG0010000RP	TRANSISTOR	3	
Q6452,53	2PG0030000RP	TRANSISTOR	2	
Q6500	2SD0601ARL	TRANSISTOR	1	
Q6501	B1ABPF000014	TRANSISTOR	1	
Q6502	B1ADPF000004	TRANSISTOR	1	
Q6521	B1ABPF000014	TRANSISTOR	1	
Q6522	B1ADPF000004	TRANSISTOR	1	
Q6531	B1ABRD000003	TRANSISTOR	1	
Q6532	B1ADRD000001	TRANSISTOR	1	
Q6551	B1ABRD000003	TRANSISTOR	1	
Q6552	B1ADRD000001	TRANSISTOR	1	
Q6561	B1ABPF000014	TRANSISTOR	1	
Q6562	B1ADPF000004	TRANSISTOR	1	
Q6571	B1DFKM000002	TRANSISTOR	1	
Q6573	B1DFKM000002	TRANSISTOR	1	
Q6581	2SD0601ARL	TRANSISTOR	1	
Q6601	B1DFES000003	TRANSISTOR	1	
Q6602	2SD0601ARL	TRANSISTOR	1	
Q6603	2SB0709ARL	TRANSISTOR	1	
Q6621	2SK399500L	FET	1	
Q6623	2SK399500L	FET	1	
Q6643	2SK399500L	FET	1	
Q6645-49	2SK399500L	FET	5	
Q6651	2SK399500L	FET	1	
Q6661	B1DEET000002	TRANSISTOR	1	
Q6662	2SD0601ARL	TRANSISTOR	1	
Q6665	B1ABPF000014	TRANSISTOR	1	
Q6671-73	B1DFDR000001	TRANSISTOR	3	
Q6679	B1ABPF000014	TRANSISTOR	1	
Q6680	B1ADPF000004	TRANSISTOR	1	
Q6690	2SA19610Q0HW	TRANSISTOR	1	
Q6742,43	2SD0601ARL	TRANSISTOR	2	
Q6763	B1ADPF000004	TRANSISTOR	1	
Q6781	B1ABPF000014	TRANSISTOR	1	
Q6782	B1ADPF000004	TRANSISTOR	1	
Q6791	2SD0601ARL	TRANSISTOR	1	
Q6803	2SD0814A	TRANSISTOR	1	
Q6805	2SC3063	TRANSISTOR	1	
Q6806	2SC1473AEA	TRANSISTOR	1	
Q6821	2SD1263A	TRANSISTOR	1	
Q6822	2SC3063	TRANSISTOR	1	
Q6824	2SD0601ARL	TRANSISTOR	1	
Q6841	2SD1263A	TRANSISTOR	1	
Q6842	2SC1473AEA	TRANSISTOR	1	
Q6881	2SD1263A	TRANSISTOR	1	
Q6882	2SB940A	TRANSISTOR	1	
Q6883	2SC1473AEA	TRANSISTOR	1	
Q8911-13	2SD0601ARL	TRANSISTOR	3	
Q9010	2SD0601ARL	TRANSISTOR	1	
Q9044	2SD0601ARL	TRANSISTOR	1	
Q9046	2SD0601ARL	TRANSISTOR	1	
Q9050-54	2SD0601ARL	TRANSISTOR	5	
Q9301,02	2SD0601ARL	TRANSISTOR	2	
Q9805,06	2SD0601ARL	TRANSISTOR	2	
Q9807-09	B1MBEDA00015	TRANSISTOR	3	
R1104	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1122	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1124,25	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1134	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1140	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1144	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1146	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R1147	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1153	ERJ2GEJ821	M 820 OHM, J,0.063W	1	
R1162	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1163	ERJ2GEJ105	M 1MOHM, J,0.063W	1	
R1164	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R1165	ERJ2GEJ182	M 1.8KOHM, J,0.063W	1	
R1166	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1169	ERJ2GED563X	M 56KOHM ,J,0.063W	1	
R1170	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1171	ERJ2GED563X	M 56KOHM ,J,0.063W	1	
R1172	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1174,75	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1179	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1181	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1182	ERJ2GEJ273	M 27KOHM ,J,0.063W	1	
R1183,84	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1185,86	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R1194	ERJ2GED563X	M 56KOHM ,J,0.063W	1	
R1195	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1196	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1199	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1200,01	ERJ2GEJ562	M 5.6KOHM, J,0.063W	2	
R1203	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1204	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R1205,06	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R1209	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R1216	ERJ2GEJ333	M 33KOHM, J,0.063W	1	
R1217	ERJ2GED563X	M 56KOHM ,J,0.063W	1	
R1218-20	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R1221	ERJ3EKF7151	M 7.15KOHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1222-28	ERJ2GEJ473	M 47KOHM, J,0.063W	7	
R1229	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1231-34	ERJ2GEJ473	M 47KOHM, J,0.063W	4	
R1235	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R1236,37	ERJ2GEJ473	M 47KOHM, J,0.063W	2	
R1239	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1241	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R1243-47	ERJ2GEJ473	M 47KOHM, J,0.063W	5	
R1255	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R2001	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R2006	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R2007	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R2010-15	ERJ2GEJ473	M 47KOHM, J,0.063W	6	
R2018	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R2020-23	ERJ2GEJ473	M 47KOHM, J,0.063W	4	
R2025	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R2027	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R2029-34	ERJ6GEYJ184	M 180KOHM,J,1/10W	6	
R2047	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2048	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2049	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2050	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2051,52	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R2053,54	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2056,57	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R2058	ERJ3GEYJ301	M 300 OHM,J,1/16W	1	
R2059	D0GB105JA057	M 1MOHM,J,1/16W	1	
R2084	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2085	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R2086	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2088	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2089	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R2092	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2093	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2094	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2096	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2097	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R2098,99	D0GB103JA057	M 10KOHM,J,1/16W	2	
R2100	ERJ3EKF2002	M 20KOHM, 1/16W	1	
R2104	ERJ3EKF2001	M 2KOHM, 1/16W	1	
R2110	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2111	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2112	D0GB105JA057	M 1MOHM,J,1/16W	1	
R2113	ERJ3EKF1203	M 120KOHM, 1/16W	1	
R2114	ERJ3EKF7502	M 75KOHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2116,17	J0JCC0000100	CHIP INDUCTOR	2	
R2118	D0GB105JA057	M 1MOHM,J,1/16W	1	
R2119	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2122	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2123	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2124	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2125	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2127	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2128	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2129	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2131	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2132	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2137,38	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R2143,44	D0GB103JA057	M 10KOHM,J,1/16W	2	
R2145,46	ERJ3EKF2002	M 20KOHM, 1/16W	2	
R2149	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2150,51	ERJ3EKF2002	M 20KOHM, 1/16W	2	
R2152	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2154	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2156	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R2160	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2162	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2164	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2165	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2166	ERJ3EKF1602	M16.0KOHM, 1/16W	1	
R2167	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R2168	ERJ3EKF1602	M16.0KOHM, 1/16W	1	
R2169	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R2170-75	ERJ3GEYJ221	M 220 OHM,J,1/16W	6	
R2178	D0GB102JA057	M 1KOHM,J,1/16W	1	
R2179	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2180	D0GB102JA057	M 1KOHM,J,1/16W	1	
R2181	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R2182,83	ERJ3EKF3602	M 36KOHM, 1/16W	2	
R2184,85	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R2186	ERJ3GEYJ823	M 82KOHM,J,1/16W	1	
R2187	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R2189	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2192,93	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2194	D0GB102JA057	M 1KOHM,J,1/16W	1	
R2195,96	ERJ3GEYJ104	M 100KOHM,J,1/16W	2	
R2197	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R2198	ERJ3EKF1583	M 158KOHM, 1/16W	1	
R2205	ERJ3GEYJ203	M 20KOHM,J,1/16W	1	
R2206	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2208-10	D0GB103JA057	M 10KOHM,J,1/16W	3	
R2216	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2217	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2218	D0GB102JA057	M 1KOHM,J,1/16W	1	
R2220	D0GB123JA057	M 12KOHM,J,1/16W	1	
R2223-25	J0JCC0000100	CHIP INDUCTOR	3	
R2227-31	J0JCC0000100	CHIP INDUCTOR	5	
R2233	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2235	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2236,37	ERJ3GEYD153V	M 15KOHM,J,1/16W	2	
R2238	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2257	J0JCC0000100	CHIP INDUCTOR	1	
R2263	J0JCC0000100	CHIP INDUCTOR	1	
R2265	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2266	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R2271	EXB28V220J	RESISTOR ARRAY	1	
R2276	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2290,91	J0JCC0000100	CHIP INDUCTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2294-97	J0JCC0000100	CHIP INDUCTOR	4	
R2301,02	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R2303,04	J0JCC0000100	CHIP INDUCTOR	2	
R2305	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R2306	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R2308	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
R2311	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
R2313	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
R2315	ERJ8GEYJ3R3V	M 3.3 OHM, J,1/8W	1	
R2317	ERJ6GEYJ100V	M 10 OHM,J,1/10W	1	
R2319	ERJ6GEYJ100V	M 10 OHM,J,1/10W	1	
R2321	ERJ6GEYJ100V	M 10 OHM,J,1/10W	1	
R2323	ERJ6GEYJ100V	M 10 OHM,J,1/10W	1	
R2325	ERJ6GEYJ100V	M 10 OHM,J,1/10W	1	
R2330	D0GB102JA057	M 1KOHM,J,1/16W	1	
R2331	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2506,07	J0JHC0000096	CHIP INDUCTOR	2	
R2516	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2517	ERJ6GEYG470V	M 47 OHM,J,1/10W	1	
R2520	ERJ3GEYJ224	M 220KOHM,J,1/16W	1	
R2524	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2525	ERJ3EKF5760	M 576 OHM, 1/16W	1	
R2530	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R2531	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R2542	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2556,57	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R2558	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R2576,77	J0JCC0000241	CHIP INDUCTOR	2	
R2578,79	J0JCC0000100	CHIP INDUCTOR	2	
R2601-03	J0JCC0000100	CHIP INDUCTOR	3	
R2624,25	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R2628,29	ERJ3GEYJ752	M 7.5KOHM,J,1/16W	2	
R2853	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2854	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2855	D0GB473JA057	M 47KOHM,J,1/16W	1	
R2856	J0JCC0000100	CHIP INDUCTOR	1	
R2857	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2858	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2859	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2860	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2861	D0GB102JA057	M 1KOHM,J,1/16W	1	
R2863,64	D0GB102JA057	M 1KOHM,J,1/16W	2	
R2865	D0GB103JA057	M 10KOHM,J,1/16W	1	
R2866	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R2867	ERJ6ENF8202	M 82KOHM, 1/10W	1	
R2868	ERJ6ENF1602	M 16KOHM, 1/10W	1	
R2869	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R2890	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3001-10	ERJ6RED750	M 75 OHM, 1/10W	10	
R3012	ERJ6RED750	M 75 OHM, 1/10W	1	
R3020-22	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R3044,45	J0JCC0000100	CHIP INDUCTOR	2	
R3059	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3062-65	ERJ3GEYJ221	M 220 OHM,J,1/16W	4	
R3068	ERJ6RED750	M 75 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3069	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3072-74	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R3087	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3089	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R3090	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3096-01	ERJ3GEYJ680	M 68 OHM,J,1/16W	6	
R3102-04	J0JCC0000100	CHIP INDUCTOR	3	
R3107	D0GB103JA057	M 10KOHM,J,1/16W	1	
R3109,10	J0JCC0000100	CHIP INDUCTOR	2	
R3111	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3113	D0GB103JA057	M 10KOHM,J,1/16W	1	
R3121	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R3123	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R3130,31	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R3133	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3137	ERJ3EKF1000	M 100 OHM, 1/16W	1	
R3140	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R3143	ERJ6ENF69R8	M 69.8OHM, 1/10W	1	
R3145	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R3168	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3174-76	ERJ3GEYJ680	M 68 OHM,J,1/16W	3	
R3177	D0GB103JA057	M 10KOHM,J,1/16W	1	
R3180	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3188	J0JCC0000100	CHIP INDUCTOR	1	
R3191	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3202	J0JCC0000100	CHIP INDUCTOR	1	
R3205	J0JCC0000100	CHIP INDUCTOR	1	
R3206	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3216	J0JCC0000100	CHIP INDUCTOR	1	
R3222	J0JCC0000100	CHIP INDUCTOR	1	
R3227-29	J0JCC0000100	CHIP INDUCTOR	3	
R3233,34	ERJ6RED750	M 75 OHM, 1/10W	2	
R3236-38	J0JCC0000100	CHIP INDUCTOR	3	
R3239	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3240	ERJ3EKF5600	M 560 OHM, 1/16W	1	
R3243	ERJ6GEYG271	M 270 OHM,J,1/10W	1	
R3244	J0JCC0000100	CHIP INDUCTOR	1	
R3246	J0JCC0000100	CHIP INDUCTOR	1	
R3247	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R3249	D0GB152JA057	M 1.5KOHM,J,1/16W	1	
R3266	D0GB152JA057	M 1.5KOHM,J,1/16W	1	
R3268	D0GB473JA057	M 47KOHM,J,1/16W	1	
R3302	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R3305	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R3306,07	ERJ6GEYF472	M 4.7KOHM,J,1/10W	2	
R3308,09	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R3310	ERJ6RED750	M 75 OHM, 1/10W	1	
R3313	ERJ6RED750	M 75 OHM, 1/10W	1	
R3318	ERJ6RED750	M 75 OHM, 1/10W	1	
R3348,49	ERJ3GEYJ680	M 68 OHM,J,1/16W	2	
R3350	J0JCC0000100	CHIP INDUCTOR	1	
R3709-11	J0JCC0000100	CHIP INDUCTOR	3	
R3714	J0JCC0000100	CHIP INDUCTOR	1	
R3716,17	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3721	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R3722-25	J0JCC0000100	CHIP INDUCTOR	4	
R3732	J0JCC0000100	CHIP INDUCTOR	1	
R3746	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3748	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R3750	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R3751	ERJ6ENF1432	M14.3KOHM, 1/10W	1	
R3753	ERJ6ENF1741	M1.74KOHM, 1/10W	1	
R3754	ERJ6ENF1621	M1.62KOHM, 1/10W	1	
R3755	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R3758	ERJ6ENF6651	M6.65KOHM, 1/10W	1	
R3765	ERJ6ENF2321	M2.32KOHM, 1/10W	1	
R3767	ERJ6ENF3161	M3.16KOHM, 1/10W	1	
R3768	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R4001	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4026	J0JCC0000100	CHIP INDUCTOR	1	
R4200-02	ERJ2RKD330	M 33 OHM, J,0.063W	3	
R4242	J0JCC0000100	CHIP INDUCTOR	1	
R4284	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4286-88	ERJ2GEJ473	M 47KOHM, J,0.063W	3	
R4317-20	ERJ2GEJ473	M 47KOHM, J,0.063W	4	
R4322-30	ERJ2GEJ473	M 47KOHM, J,0.063W	9	
R4500,01	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4502,03	ERJ2RKD330	M 33 OHM, J,0.063W	2	
R4506,07	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4508-23	ERJ2GEJ2R2X	M 2.2OHM, J,0.063W	16	
R4524,25	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4526,27	ERJ2GEJ102X	M 1KOHM, J,0.063W	2	
R4528	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4529	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4530	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4531	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R4532,33	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R4535,36	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R4538	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4539	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4540	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4541-43	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4544-47	ERJ2GEJ103	M 10KOHM, J,0.063W	4	
R4552	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4561	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4562,63	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R4564,65	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4578,79	ERJ2GEJ151	M 150 OHM, J,0.063W	2	
R4585	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4587	ERJ3GEYF821	M 820 OHM, 1/16W	1	
R4593	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R4596-98	ERJ6GEYG102	M 1KOHM,J,1/10W	3	
R4601	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R4604	ERJ3EKF7501	M 7.5KOHM, 1/16W	1	
R4606	ERJ3EKF4701	M 4.7KOHM, 1/16W	1	
R4611	ERJ3EKF1371	M 1.37KOHM, 1/16W	1	
R4612	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	
R4613,14	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4615	ERJ3EKF1600	M 160 OHM, 1/16W	1	
R4616-19	D0YAR0000007	M 0.0 OHM, J,0.063W	4	
R4622	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4624	ERJ3EKF1691	M1.69KOHM, 1/16W	1	
R4626	ERJ2GEJ105	M 1MOHM, J,0.063W	1	
R4627	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R4628,29	ERJ2GEJ101	M 100 OHM, J,0.063W	2	
R4631	ERJ3EKF4990	M 499 OHM, 1/16W	1	
R4635	EXB28V680JX	RESISTOR ARRAY	1	
R4636-38	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4639,40	EXB28V680JX	RESISTOR ARRAY	2	
R4641	ERJ2GEJ220	M 22 OHM, J,0.063W	1	
R4642	EXB28V680JX	RESISTOR ARRAY	1	
R4643,44	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4645-47	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R4648	EXB28V330J	RESISTOR ARRAY	1	
R4649	EXB28V680JX	RESISTOR ARRAY	1	
R4650,51	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R4652	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R4653	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4654	ERJ3EKF4701	M 4.7KOHM, 1/16W	1	
R4655	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4656	ERJ2GEJ222	M 2.2KOHM, J,0.063W	1	
R4657,58	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4659	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R4661	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4665,66	ERJ2GEJ473	M 47KOHM, J,0.063W	2	
R4667	ERJ2GEJ151	M 150 OHM, J,0.063W	1	
R4670	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R4672	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R4682	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R4683	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4691,92	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4698,99	D0YAR0000007	M 0.0 OHM, J,0.063W	2	
R4702,03	D0YAR0000007	M 0.0 OHM, J,0.063W	2	
R4706	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R4707	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R4708	ERJ2GEJ102X	M 1KOHM, J,0.063W	1	
R4800	J0JCC0000100	CHIP INDUCTOR	1	
R4819,20	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R4838	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R4856-65	D0YAR0000007	M 0.0 OHM, J,0.063W	10	
R4872	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5485	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R5506,07	ERJ6GEYG103	M 10KOHM,J,1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R5508	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R5509	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R5531	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R5532	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R5533	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R5534	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R5535	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R5536	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R5537	ERJ6GEYG681	M 680 OHM,J,1/10W	1	
R5538	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R5540	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R5542	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R5544	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R5546,47	ERJ6GEYG103	M 10KOHM,J,1/10W	2	
R5548,49	ERJ6GEYF472	M 4.7KOHM,J,1/10W	2	
R5554	ERJ6ENF2611	M2.61KOHM, 1/10W	1	
R5555	ERJ6ENF1271	M1.27KOHM, 1/10W	1	
R5570	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R5571	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R5572	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R5573	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R5600	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R5604	ERJ3GEYF473	M 47KOHM, 1/16W	1	
R5605	ERJ3EKF1272	M12.7KOHM, 1/16W	1	
R5606-09	D0YAR0000007	M 0.0 OHM, J,0.063W	4	
R5610	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R5611	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R5612	ERJ3EKF2322	M23.2KOHM, 1/16W	1	
R5620	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R5621	ERJ3GEYF473	M 47KOHM, 1/16W	1	
R5622	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R5623	ERJ3GEYF473	M 47KOHM, 1/16W	1	
R5625-28	D0YAR0000007	M 0.0 OHM, J,0.063W	4	
R5629	ERJ3EKF3012	M30.1KOHM, 1/16W	1	
R5630	ERJ3EKF4752	M47.5KOHM, 1/16W	1	
R5631	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R5632	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R5633,34	ERJ3EKF1602	M16.0KOHM, 1/16W	2	
R5635	ERJ2GEJ223	M 22KOHM, J,0.063W	1	
R5636	ERJ2GEJ683	M 68KOHM, J,0.063W	1	
R5637	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5638	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R5641	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R5644	ERJ2GEJ222	M 2.2KOHM, J,0.063W	1	
R5646	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R5647	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R5660	ERJ2GEJ562	M 5.6KOHM, J,0.063W	1	
R5661	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R5662	ERJ2GEJ103	M 10KOHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R5670	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5671	ERJ2GEJ183	M 18KOHM ,J,0.063W	1	
R5672	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R5674	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R5690,91	D0GB103JA057	M 10KOHM,J,1/16W	2	
R5692,93	D0GB473JA057	M 47KOHM,J,1/16W	2	
R5694,95	D0GB102JA057	M 1KOHM,J,1/16W	2	
R5696,97	D0GB103JA057	M 10KOHM,J,1/16W	2	
R5730,31	ERJ2GEJ473	M 47KOHM, J,0.063W	2	
R6001	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6003	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6005	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6007	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6020	ERF5TJ330	W 33 OHM, 5W	1	
R6021	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6024	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6026	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6031,32	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6033	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6034	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6041	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6043	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6045	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6053	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6055	ERJT08J7R5V	M 7.5OHM,J, 0.33W	1	
R6102	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6104	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6106	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6108	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6109	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6110	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6111,12	ERJT06J470V	M 47 OHM,F,0.25W	2	
R6113	ERJ14YJ224	M 220KOHM, J,1/4W	1	
R6114	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6116	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6131,32	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6134	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6135,36	ERJT06J100V	M 10 OHM,F,0.25W	2	
R6141,42	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6145	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6146,47	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6151,52	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6154	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6157-60	ERJT08J1R0V	M 1.8OHM,J, 0.33W	4	
R6171	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6172,73	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6181	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6182,83	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6191,92	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6193	ERJT06J750V	M 75 OHM,F,0.25W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6194	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6210	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6213	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6214	ERJT06J151V	M 150 OHM,F,0.25W	1	
R6222	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6223	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6225	D1BD5492A028	M52.3KOHM, 1/10W	1	
R6226	D1BD5622A028	M56.2KOHM, 1/10W	1	
R6227	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R6232	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6233	ERJ14YJ154	M 150KOHM, J,1/4W	1	
R6234	ERJ6GEYG183	M 18KOHM,J,1/10W	1	
R6241	EXB38V470J	RESISTOR ARRAY	1	
R6242	EXB38V472JV	RESISTOR ARRAY	1	
R6243	EXB38V470J	RESISTOR ARRAY	1	
R6244	EXB38V472JV	RESISTOR ARRAY	1	
R6246	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6247	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6248	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6249	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6252,53	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6254	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6255	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6256	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6257	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6258	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6261	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6272	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6273	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6274	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6275	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6276	ERJ6GEYG823	M 82KOHM,J,1/10W	1	
R6277	ERJT08J154V	M150KOHM,J, 0.33W	1	
R6282	ERG2FJS150D	M 15 OHM, J, 2W	1	
R6283	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6284	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6285	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6286	ERJT06J101V	M 100 OHM,F,0.25W	1	
R6288,89	ERJ6ENF1241	M1.24KOHM, 1/10W	2	
R6290	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6291	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6292	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6401-04	ERJT08J7R5V	M 7.5OHM,J, 0.33W	4	
R6422-24	ERJT08J7R5V	M 7.5OHM,J, 0.33W	3	
R6441-43	ERJT08J7R5V	M 7.5OHM,J, 0.33W	3	
R6446	ERF5TJ820	W 82 OHM, 5W	1	
R6452,53	ERJT08J7R5V	M 7.5OHM,J, 0.33W	2	
R6465	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6466	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6467,68	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6471	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R6472	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6473	ERJ6GEYF561	M 560 OHM,J,1/10W	1	
R6474	ERJ6GEYG102	M 1KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6475,76	ERJ6GEYF472	M 4.7KOHM,J,1/10W	2	
R6477	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6481,82	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6485	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6487	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6488	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6489,90	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6493	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6494,95	ERJ6ENF1003	M 100KOHM, 1/10W	2	
R6496	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6497	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R6498	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6499	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6501,02	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6503	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6504	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6505	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6506	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6507-09	ERJT08J1R0V	M 1.8OHM,J, 0.33W	3	
R6511,12	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6516,17	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6521,22	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6523	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6531	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6532,33	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6551	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6552,53	ERJ6GEYF473	M 47KOHM,J,1/10W	2	
R6558	J0JCC0000100	CHIP INDUCTOR	1	
R6560	J0JCC0000100	CHIP INDUCTOR	1	
R6561-64	EXB38V470J	RESISTOR ARRAY	4	
R6565-68	EXB38V472JV	RESISTOR ARRAY	4	
R6570	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6571	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6573	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6579	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6580	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6585	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6586	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R6587	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6588	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6590	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6591	EXB38V472JV	RESISTOR ARRAY	1	
R6592	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6605	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R6607	D1BD6811A027	M 6.81KOHM, 1/10W	1	
R6608,09	ERJT08J102V	M 1KOHM,J, 0.33W	2	
R6610	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6612	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6621	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6623	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6629	ERG2FJS333D	M 33KOHM, J, 2W	1	
R6631	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6633	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6638,39	ERJT08J1R0V	M 1.8OHM,J, 0.33W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6643	ERJT06J330V	M 33 OHM,F,0.25W	1	
R6645-49	ERJT06J330V	M 33 OHM,F,0.25W	5	
R6651	ERJT06J330V	M 33 OHM,F,0.25W	1	
R6658	D0D1101JA009	M 100 OHM,J,1W	1	
R6659,60	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R6661	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6662	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R6663	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6664	ERJT08J222V	M2.2KOHM,J, 0.33W	1	
R6665	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6666	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6667,68	ERJ6GEYF472	M 4.7KOHM,J,1/10W	2	
R6671	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6672	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6673-75	ERJT06J470V	M 47 OHM,F,0.25W	3	
R6692	D0GZ472JA020	M 4.7KOHM,J, 0.5W	1	
R6693	ERJ6GEYG823	M 82KOHM,J,1/10W	1	
R6694	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6695	ERJ8GEYJ124	M 120KOHM, J,1/8W	1	
R6696	ERF5TK2R2	W 2.2 OHM, K, 5W	1	
R6700-04	ERJ6GEYJ471	M 470 OHM,J,1/10W	5	
R6705,06	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6707,08	ERJ6GEYJ471	M 470 OHM,J,1/10W	2	
R6709	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6710-14	ERJ6GEYG222	M 2.2KOHM,J,1/10W	5	
R6716-18	ERJ6GEYG222	M 2.2KOHM,J,1/10W	3	
R6721,22	EXB38V220JV	RESISTOR ARRAY	2	
R6723	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R6725	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6726	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R6727	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R6728	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R6731	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6733	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6742	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6743	ERJ6GEYG332	M 3.3KOHM,J,1/10W	1	
R6745	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6746,47	ERJT06J103V	M 10KOHM,F,0.25W	2	
R6761	ERJT06J100V	M 10 OHM,F,0.25W	1	
R6762	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6765	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6766	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6768	ERJT08J1R0V	M 1.8OHM,J, 0.33W	1	
R6769	ERJT06J750V	M 75 OHM,F,0.25W	1	
R6775,76	ERJ6GEYJ101V	M 100 OHM,J,1/10W	2	
R6777	ERJT06J151V	M 150 OHM,F,0.25W	1	
R6781	ERJT06J470V	M 47 OHM,F,0.25W	1	
R6782	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R6791	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6792	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6793	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6802	ERG2FJS683D	M 68KOHM, J, 2W	1	
R6803	ERG3FJS333D	M 33KOHM, J, 3W	1	
R6806,07	ERX12SJ1R2	M 1.2 OHM, J,1/2W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6808	ERJT06J272V	M 2.7KOHM,F,0.25W	1	
R6809	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6810,11	ERJ6GEYF333	M 33KOHM,J,1/10W	2	
R6812	ERJ6ENF2403	M 240KOHM, 1/10W	1	
R6813	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6814	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6815	ERJ6GEYG332	M 3.3KOHM,J,1/10W	1	
R6819	ERJ6GEYG681	M 680 OHM,J,1/10W	1	
R6820	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R6821	ERF5TJ221	W 220 OHM, J, 5W	1	
R6822	ERJ12YJ104U	M 100KOHM, 1/2W	1	
R6823	ERG1FJS104D	M 100KOHM, J, 1W	1	
R6824	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R6825-27	ERJ6ENF2003	M 200KOHM, 1/10W	3	
R6828	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R6829,30	ERJ6GEYG104	M 100KOHM,J,1/10W	2	
R6831	ERJ6GEYG153	M 15KOHM,J,1/10W	1	
R6832	ERJT08J4R7V	M 4.7OHM,J, 0.33W	1	
R6833-36	ERJ6ENF7502	M 75KOHM, 1/10W	4	
R6837	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6839	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6841	ERJ12YJ153U	M 15KOHM, 1/2W	1	
R6842	ERJ12YJ433U	M 43KOHM, 1/2W	1	
R6843	ERJ6GEYJ623	M 62KOHM,J,1/10W	1	
R6844	D0D2101JA021	M 100 OHM,J,2W	1	
R6845-47	ERJ6GEYJ623	M 62KOHM,J,1/10W	3	
R6848	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6849,50	ERJ6ENF6802	M 68KOHM, 1/10W	2	
R6851	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R6852	ERJ6ENF2701	M 2.7KOHM, 1/10W	1	
R6853	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6855	ERJ12YJ103	M 10KOHM,J, 1/2W	1	
R6856	ERQ12AJW560E	F 56 OHM, J,1/2W	1	
R6857	ERJ12YJ124U	M 120KOHM, 1/2W	1	
R6858	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R6860	D0D28R2JA021	M 8.2 OHM,J,2W	1	
R6861,62	ERJ6ENF5102	M 51KOHM, 1/10W	2	
R6863	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6864	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R6865	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6866	ERJ6ENF6200	M 620 OHM, 1/10W	1	
R6867	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R6868	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6869	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6870	ERJ6GEYG104	M 100KOHM,J,1/10W	1	
R6871-73	ERJ6ENF3902	M 39KOHM, 1/10W	3	
R6874	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R6875	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6876	ERJ6RBD561	M 560 OHM, 1/10W	1	
R6877	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R6878	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R6879	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6880	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6881	ERG2FNJS8R2E	M 8.2 OHM, J, 2W	1	
R6882	ERJ6ENF1692	M16.9KOHM, 1/10W	1	
R6883,84	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
R6886-88	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6889	ERG2FJS223D	M 22KOHM, J, 2W	1	
R6890	ERJ6GEYF472	M 4.7KOHM,J,1/10W	1	
R6891-93	ERJ6GEYF473	M 47KOHM,J,1/10W	3	
R6894	ERJ6GEYG103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6895-97	ERJ6ENF4702	M 47KOHM, 1/10W	3	
R6898	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6899	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R6901	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6902-04	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R6905	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6909	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6913	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6917	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6924	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6925,26	J0JCC0000100	CHIP INDUCTOR	2	
R6931-34	ERJ6GEYG103	M 10KOHM,J,1/10W	4	
R6935,36	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R6938	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R6951	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6955	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6959	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6963	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6967	ERJ6GEYG221	M 220 OHM,J,1/10W	1	
R6971	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R6972-74	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R6975,76	J0JCC0000100	CHIP INDUCTOR	2	
R6981-84	ERJ6GEYG103	M 10KOHM,J,1/10W	4	
R6985,86	ERJ8GEYJ224	M 220KOHM, J,1/8W	2	
R6989	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R7103	EXB38V220JV	RESISTOR ARRAY	1	
R7105,06	D0GZ100JA020	M 10 OHM,J, 0.5W	2	
R7108	EXB38V102J	RESISTOR ARRAY	1	
R7110	EXB38V220JV	RESISTOR ARRAY	1	
R7111,12	D0GZ100JA020	M 10 OHM,J, 0.5W	2	
R7113	D0GB102JA057	M 1KOHM,J,1/16W	1	
R7115-18	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7122-25	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7127	EXB38V471J	RESISTOR ARRAY	1	
R7130-33	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7135-38	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7145	EXB38V471J	RESISTOR ARRAY	1	
R7146-49	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7154-57	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7166-73	EXB38V471J	RESISTOR ARRAY	8	
R7179	D0GF472JA047	M 4.7KOHM,J, 0.33W	1	
R7183	EXB38V220JV	RESISTOR ARRAY	1	
R7184	EXB38V102J	RESISTOR ARRAY	1	
R7191,92	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R7193	J0JCC0000100	CHIP INDUCTOR	1	
R7195	EXB38V470J	RESISTOR ARRAY	1	
R7198,99	D0GZ100JA020	M 10 OHM,J, 0.5W	2	
R7202	EXB38V220JV	RESISTOR ARRAY	1	
R7205	EXB38V220JV	RESISTOR ARRAY	1	
R7210	EXB38V222J	RESISTOR ARRAY	1	
R7211-14	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7219	EXB38V471J	RESISTOR ARRAY	1	
R7220	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R7221-23	EXB38V471J	RESISTOR ARRAY	3	
R7224-27	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7229-32	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7240,41	EXB38V471J	RESISTOR ARRAY	2	
R7243	EXB38V102J	RESISTOR ARRAY	1	
R7244	EXB38V222J	RESISTOR ARRAY	1	
R7245-47	EXB38V470J	RESISTOR ARRAY	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7250	EXB38V470J	RESISTOR ARRAY	1	
R7251	EXB38V222J	RESISTOR ARRAY	1	
R7252	J0JCC0000100	CHIP INDUCTOR	1	
R7254-59	D0GZ100JA020	M 10 OHM,J, 0.5W	6	
R7301-04	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7309-12	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7317-20	D0GZ100JA020	M 10 OHM,J, 0.5W	4	
R7325	EXB38V102J	RESISTOR ARRAY	1	
R7327	EXB38V220JV	RESISTOR ARRAY	1	
R7330	EXB38V220JV	RESISTOR ARRAY	1	
R7334-39	EXB38V102J	RESISTOR ARRAY	6	
R7341	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R7342	D0GF472JA047	M 4.7KOHM,J, 0.33W	1	
R7343	EXB38V471J	RESISTOR ARRAY	1	
R7344	EXB38V470J	RESISTOR ARRAY	1	
R7345	EXB38V471J	RESISTOR ARRAY	1	
R7346	EXB38V470J	RESISTOR ARRAY	1	
R7347	EXB38V471J	RESISTOR ARRAY	1	
R7348	EXB38V470J	RESISTOR ARRAY	1	
R7349	EXB38V471J	RESISTOR ARRAY	1	
R7350	EXB38V470J	RESISTOR ARRAY	1	
R7351	EXB38V471J	RESISTOR ARRAY	1	
R7352	EXB38V470J	RESISTOR ARRAY	1	
R7353	EXB38V471J	RESISTOR ARRAY	1	
R7354	EXB38V470J	RESISTOR ARRAY	1	
R7361	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R7364,65	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R7366	J0JCC0000100	CHIP INDUCTOR	1	
R7367-72	D0GZ100JA020	M 10 OHM,J, 0.5W	6	
R8001	ERJ2GEJ181	M 180 OHM, J,0.063W	1	
R8002	ERJ2GEJ820	M 82 OHM, J,0.063W	1	
R8003	J0JCC0000100	CHIP INDUCTOR	1	
R8004	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R8005	ERJ3EKF1002	M 10KOHM, 1/16W	1	
R8006	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	
R8023-29	D0YAR0000007	M 0.0 OHM, J,0.063W	7	
R8030	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8031,32	ERJ3EKF2700	M 270 OHM, 1/16W	2	
R8035	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8039	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8056-73	ERJ2GEJ470	M 47 OHM, J,0.063W	18	
R8074	ERJ2GEJ221	M 220 OHM, J,0.063W	1	
R8075-78	ERJ2GEJ470	M 47 OHM, J,0.063W	4	
R8079,80	D0YAR0000007	M 0.0 OHM, J,0.063W	2	
R8081	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8082	D1BA75R0A026	M0.75KOHM, 1/10W	1	
R8083	ERJ2GEJ301	M 300 OHM, J,0.063W	1	
R8084	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8086	ERJ2GEJ104	M 100KOHM, J,0.063W	1	
R8087	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8090	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8091	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8093	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R8095	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8097	ERJ2GEJ221	M 220 OHM, J,0.063W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8098,99	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8100	ERJ2GEJ470	M 47 OHM, J,0.063W	1	
R8101	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8106	ERJ2GEJ202	M 2KOHM, J,0.063W	1	
R8107	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8111	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8328	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8471	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8472	D1HG1038A002	NETWORK RESISTER	1	
R8474,75	EXB28V103JX	RESISTOR ARRAY	2	
R8502-04	ERJ2GEJ331	M 330 OHM, J,0.063W	3	
R8506	ERJ2GEJ331	M 330 OHM, J,0.063W	1	
R8507-10	ERJ3EKF91R0	M 91 OHM, 1/16W	4	
R8512	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R8513	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8517-19	D0YAR0000007	M 0.0 OHM, J,0.063W	3	
R8551	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8555-61	ERJ2GEJ680	M 68 OHM, J,0.063W	7	
R8564	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8601,02	ERJ2GEJ220	M 22 OHM, J,0.063W	2	
R8603	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R8604	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R8605	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R8621-36	ERJ2GEJ680	M 68 OHM, J,0.063W	16	
R8653	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8655	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8702	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8703	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R8709	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8710	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R8711,12	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8732	ERJ2GEJ101	M 100 OHM, J,0.063W	1	
R8735-39	ERJ2GEJ680	M 68 OHM, J,0.063W	5	
R8742	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8745,46	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8749	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8802-09	ERJ2GEJ103	M 10KOHM, J,0.063W	8	
R8812	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8813	EXB28V680JX	RESISTOR ARRAY	1	
R8814-17	ERJ2GEJ680	M 68 OHM, J,0.063W	4	
R8818	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R8823	ERJ2GEJ472	M 4.7KOHM, J,0.063W	1	
R8825	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8826	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R8828	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8832	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8833	J0JCC0000100	CHIP INDUCTOR	1	
R8851-54	D0YAR0000007	M 0.0 OHM, J,0.063W	4	
R8855-60	ERJ2GEJ680	M 68 OHM, J,0.063W	6	
R8862-64	ERJ2GEJ680	M 68 OHM, J,0.063W	3	
R8865-67	EXB2HV680J	RESISTOR ARRAY	3	
R8868	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R8869	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8870	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8871	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8874-76	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R8877-89	ERJ2GEJ680	M 68 OHM, J,0.063W	13	
R8891,92	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R8893	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8894	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R8895-97	D0YAR0000007	M 0.0 OHM, J,0.063W	3	
R8898,99	ERJ2GEJ103	M 10KOHM, J,0.063W	2	
R8900,01	ERJ2GEJ680	M 68 OHM, J,0.063W	2	
R8904-10	ERJ2GEJ103	M 10KOHM, J,0.063W	7	
R8911-18	ERJ2GEJ680	M 68 OHM, J,0.063W	8	
R8919-22	ERJ2GEJ472	M 4.7KOHM, J,0.063W	4	
R8923,24	ERJ2GEJ222	M 2.2KOHM, J,0.063W	2	
R8925,26	ERJ2GEJ472	M 4.7KOHM, J,0.063W	2	
R8927	D0YAR0000007	M 0.0 OHM, J,0.063W	1	
R8928	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R8929	EXB2HVR000	RESISTOR ARRAY	1	
R8930	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8932	ERJ2GEJ473	M 47KOHM, J,0.063W	1	
R8933-35	ERJ2GEJ103	M 10KOHM, J,0.063W	3	
R8947	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R8948	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R8952	ERJ2GEJ680	M 68 OHM, J,0.063W	1	
R8963	ERJ2GEJ103	M 10KOHM, J,0.063W	1	
R9062-67	ERJ3GEYJ101	M 100 OHM,J,1/16W	6	
R9070	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9099	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9101,02	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9104,05	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9107	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9108,09	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9110	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9112	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9113	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9115,16	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R9119	EXB38V470J	RESISTOR ARRAY	1	
R9120	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9121	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9122,23	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9126	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9127	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9129	ERJ3GEYJ683	M 68KOHM,J,1/16W	1	
R9131-33	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	3	
R9134	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R9135	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9141-45	ERJ3GEYJ101	M 100 OHM,J,1/16W	5	
R9149	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9150,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9154,55	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9156	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9158,59	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9160,61	J0JCC0000100	CHIP INDUCTOR	2	
R9164,65	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R9166	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9167	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9170-72	D0GB393JA041	M 39KOHM,J,1/16W	3	
R9173,74	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9177	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9181-84	D0GB102JA057	M 1KOHM,J,1/16W	4	
R9185,86	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9187,88	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9189,90	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9193	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9194	J0JCC0000100	CHIP INDUCTOR	1	
R9196	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9199	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9200,01	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R9203	D0GB102JA057	M 1KOHM,J,1/16W	1	
R9205	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9206,07	D0GB102JA057	M 1KOHM,J,1/16W	2	
R9215	D0GB123JA057	M 12KOHM,J,1/16W	1	
R9217-22	D0GB103JA057	M 10KOHM,J,1/16W	6	
R9223	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9225	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R9237	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9240	J0JCC0000100	CHIP INDUCTOR	1	
R9317	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	
R9347,48	EXB2HV220JV	RESISTOR ARRAY	2	
R9349	EXB2HV470JV	RESISTOR ARRAY	1	
R9350,51	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9352-56	EXB2HV220JV	RESISTOR ARRAY	5	
R9357-59	EXB2HV470JV	RESISTOR ARRAY	3	
R9361,62	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9363	EXB2HV470JV	RESISTOR ARRAY	1	
R9369	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9370	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9371	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9379	J0JCC0000100	CHIP INDUCTOR	1	
R9380	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9383	D0GB102JA057	M 1KOHM,J,1/16W	1	
R9384,85	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9391	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9392,93	J0JCC0000100	CHIP INDUCTOR	2	
R9396-99	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R9402	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R9403	EXB2HV470JV	RESISTOR ARRAY	1	
R9501	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9503	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9506	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9507	J0JCC0000100	CHIP INDUCTOR	1	
R9512,13	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9514	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9516	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9518	J0JCC0000100	CHIP INDUCTOR	1	
R9520	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9523	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9525	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9526	J0JCC0000100	CHIP INDUCTOR	1	
R9530	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9531-33	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R9534	EXB38V470J	RESISTOR ARRAY	1	
R9535,36	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9538	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9540,41	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9543,44	D0GB103JA057	M 10KOHM,J,1/16W	2	
R9545	ERJ3GEYJ304	M 300KOHM,J,1/16W	1	
R9548-50	D0GB103JA057	M 10KOHM,J,1/16W	3	
R9552	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9553-55	J0JCC0000100	CHIP INDUCTOR	3	
R9556	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9557,58	J0JCC0000100	CHIP INDUCTOR	2	
R9561	EXB38V222J	RESISTOR ARRAY	1	
R9562	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R9563-66	EXB2HV470JV	RESISTOR ARRAY	4	
R9567	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9569	J0JCC0000100	CHIP INDUCTOR	1	
R9824-27	ERJ3GEYJ101	M 100 OHM,J,1/16W	4	
R9828	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9839	EXB38V101JV	RESISTOR ARRAY	1	
R9840	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9845	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9846,47	EXB2HV222JV	RESISTOR ARRAY	2	
R9848,49	EXB2HV470JV	RESISTOR ARRAY	2	
R9850	D0GB473JA057	M 47KOHM,J,1/16W	1	
R9854	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R9859	EXB38V101JV	RESISTOR ARRAY	1	
R9861-63	D0GB103JA057	M 10KOHM,J,1/16W	3	
R9868	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9869-71	D0GB103JA057	M 10KOHM,J,1/16W	3	
R9872	J0JCC0000100	CHIP INDUCTOR	1	
R9874	J0JCC0000100	CHIP INDUCTOR	1	
R9878	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R9879	ERJ3EKF1302	M 13KOHM, 1/16W	1	
R9886,87	ERJ3EKF5602	M 56KOHM, 1/16W	2	
R9888	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R9889	ERJ3EKF1742	M17.2KOHM, 1/16W	1	
R9890	ERJ3EKF4752	M47.5KOHM, 1/16W	1	
R9891	ERJ3EKF1272	M12.7KOHM, 1/16W	1	
R9892	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9893	ERJ3EKF5602	M 56KOHM, 1/16W	1	
R9894	ERJ3EKF1102	M 11KOHM, 1/16W	1	
R9895	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9896	ERJ3EKF1822	M18.2KOHM, 1/16W	1	
R9897	ERJ3EKF4752	M47.5KOHM, 1/16W	1	
R9901,02	J0JCC0000100	CHIP INDUCTOR	2	
R9903	EXB2HV470JV	RESISTOR ARRAY	1	
R9904	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9905	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9906	EXB38V470J	RESISTOR ARRAY	1	
R9907	D0GB151JA057	M 150 OHM,J,1/16W	1	
R9908-11	J0JCC0000100	CHIP INDUCTOR	4	
R9915-18	J0JCC0000100	CHIP INDUCTOR	4	
R9919	D0GB102JA057	M 1KOHM,J,1/16W	1	
R9922	J0JCC0000100	CHIP INDUCTOR	1	
R9928	J0JCC0000100	CHIP INDUCTOR	1	
R9936-39	ERJ3EKF1001	M 1KOHM, 1/16W	4	
R9940	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9941,42	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R9943-51	EXB38V470J	RESISTOR ARRAY	9	
R9952-55	ERJ3GEYJ470	M 47 OHM,J,1/16W	4	
R9956	D0GB103JA057	M 10KOHM,J,1/16W	1	
R9960	J0JCC0000100	CHIP INDUCTOR	1	
R9961	D0GB103JA057	M 10KOHM,J,1/16W	1	
RM2501	PNA4701M05TV	REMOCON RECEIVER	1	
S1	K1KA03BA0061	3P CONNECTOR	1	
SC2	K1KA02A00626	2P CONNECTOR	1	
SC20	K1KY30AA0369	30P CONNECTOR	1	
SC30	K1KA10AA0191	10P CONNECTOR	1	
SC41	K1ML80B00001	80P CONNECTOR	1	
SC43	K1ML80B00001	80P CONNECTOR	1	
SC45,46	K1KA09AA0707	9P CONNECTOR	2	
SCMM2,M3	TMME260	CLAMPER	2	
SD1-D4	K1MN96BA0260	96P CONNECTOR	4	
SD46	K1KB09AA0219	9P CONNECTOR	1	
SS11	K1KA02A00626	2P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS21,22	K1KA07A00170	7P CONNECTOR	2	
SS23,24	K1KB07AA0087	7P CONNECTOR	2	
SS33	K1KA10A00416	10P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS35	K1KA04AA0193	4P CONNECTOR	1	
SS52	K1MN13B00091	13P CONNECTOR	1	
SS54,55	K1MN13B00091	13P CONNECTOR	2	
SS57	K1MN13B00091	13P CONNECTOR	1	
SSMM1	TMME260	CLAMPER	1	
SU1-U4	K1MN96BA0260	96P CONNECTOR	4	
SU45	K1KB09AA0219	9P CONNECTOR	1	
SW2500	K0F162B00002	SWITCH	1	⚠
SW3753-57	EVQPC105K	SWITCH	5	
T6602	ETS25AZ179AD	SWITCHING TRANS	1	
TU3200	ENGF9701GF	TUNER	1	⚠
VR6000	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6600	EVMEASA00B13	CONTROL 1KOHMB 0.3W	1	
VR6602	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
VR6604	EVMEASA00B34	CONTROL 30KOHMB 0.3W	1	
X1100	H0J100500035	CRYSTAL	1	
X2010	H0J245500082	CRYSTAL	1	
X4500	H0J270500113	CRYSTAL	1	
X8001	H0J270500061	CRYSTAL	1	
X9000	H2D100500004	CRYSTAL	1	
X9200	H0J200500038	CRYSTAL	1	
ZA0001	K4AZ01D00004	TERMINAL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZA0002	K4CD08000002	AV TERMINAL	1	
ZA0004,05	K4AZ01D00004	TERMINAL	2	
ZA0006,07	K4CD08000002	AV TERMINAL	2	
ZA3001-08	K4CD08000002	AV TERMINAL	8	
ZA3701	K4CZ01000027	COMPATIBLE WITH JALCO K9	1	
ZA5501-03	K4CZ01000027	COMPATIBLE WITH JALCO K9	3	
ZA6001-03	K4CD01000011	AV TERMINAL	3	
ZA6401-03	K4CD01000011	AV TERMINAL	3	
ZA7101-06	K4AD01Z00001	TERMINAL	6	
ZA7201-04	K4AD01Z00001	TERMINAL	4	
ZA7301-04	K4AD01Z00001	TERMINAL	4	
ZA9001	K4CD01000011	AV TERMINAL	1	
A601,02	RA362MSV7	ARRESTOR	2	
C201	KZE1H560	ELECTROLYTIC CAPACITOR	1	
C202,03	RR3DD221K	CERAMIC CAPACITOR	2	
C204	MPEF12393H	PLASTIC FILM CAPACITOR	1	
C205	MPEF12473H	PLASTIC FILM CAPACITOR	1	
C251	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C253	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C254,55	ECQE6223KF	P 0.022UF, K,400V	2	
C256-58	KMQ220901Z	ELECTROLYTIC CAPACITOR	3	
C301	KZE1H560	ELECTROLYTIC CAPACITOR	1	
C302,03	RR3DD101K	CERAMIC CAPACITOR	2	
C304	MPEF12333H	PLASTIC FILM CAPACITOR	1	
C351	ECQV1H224JL	PLASTIC FILM CAPACITOR	1	
C352	KZE1E182S	C 1800UF 25V	1	
C354	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C355	ECJ2VB1H223K	C 0.022UF, K, 50V	1	
C356	MBB104K5	CERAMIC CHIP CAPACITOR	1	
C357,58	KZE1E471L	ELECTROLYTIC CAPACITOR	2	
C401,02	TAB104K2E	CERAMIC CHIP CAPACITOR	2	
C403	KMQ2C471H	ELECTROLYTIC CAPACITOR	1	
C404	KZE1H221	ELECTROLYTIC CAPACITOR	1	
C405	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C406-08	KZE2A471S	C 470UF 100V	3	
C451	KZE1A471	ELECTROLYTIC CAPACITOR	1	
C501	ECQU2A103ML	PLASTIC FILM CAPACITOR	1	⚠
C503	KMQ2W560	ELECTROLYTIC CAPACITOR	1	
C504	KZE1H560	ELECTROLYTIC CAPACITOR	1	
C505	YBB474K1	CERAMIC CHIP CAPACITOR	1	
C506	TBB106K1A	C 10U 10V	1	
C507	KZE1H221	ELECTROLYTIC CAPACITOR	1	
C508	KZE1H560	ELECTROLYTIC CAPACITOR	1	
C509	ECKENA101KBR	C 100P 250V	1	⚠
C551	KZE1A471	ELECTROLYTIC CAPACITOR	1	
C552	TBB474K2	CERAMIC CHIP CAPACITOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C554	MBB103K5	CERAMIC CHIP CAPACITOR	1	
C555	KZE1E470	C 470U 25V	1	
C556	MBB103K5	CERAMIC CHIP CAPACITOR	1	
C601	ECQU2A105ML	P 1UF, 250V	1	⚠
C602	ECQU2A104ML	PLASTIC FILM CAPACITOR	1	⚠
C603,04	ECKENA221KBR	C 221P 250V	2	⚠
C605	DE1R102K	CERAMIC CAPACITOR	1	
C606	MMXC2W105K	C 1P 450V	1	
C608	MMXC2W105K	C 1P 450V	1	
C610	MBB224K2	CERAMIC CHIP CAPACITOR	1	
C611	KZE1H560	ELECTROLYTIC CAPACITOR	1	
C612-14	KMQ2W221L	C 220U 450V	3	
C615	ECKENA101KBR	C 100P 250V	1	⚠
C620,21	ECKENA221KBR	C 221P 250V	2	⚠
C623	MPEF12223H	PLASTIC FILM CAPACITOR	1	
C624,25	RR3AD471K	CERAMIC CAPACITOR	2	
C701	KZE1A471	ELECTROLYTIC CAPACITOR	1	
D201,02	AG01A	DIODE	2	
D251	D4SBL40	DIODE	1	
D253	1SS355	DIODE	1	
D351	YG805C06R	DIODE	1	
D352	AG01A	DIODE	1	
D353	YG805C06R	DIODE	1	
D401	D6SBN20	DIODE	1	
D402	AG01A	DIODE	1	
D403	YG901C3R	DIODE	1	
D451	RK39	DIODE	1	
D501	B0EBKT000007	DIODE	1	⚠
D504	ST3D82	DIODE	1	
D505	AG01A	DIODE	1	
D506	RF101A2S	DIODE	1	
D551	RK39	DIODE	1	
D552	1SS355	DIODE	1	
D553	B0JCMD000024	DIODE	1	
D601,02	1SS355	DIODE	2	
D603,04	AP01C	DIODE	2	
D605,06	B0EAKR000059	DIODE	2	
D701	1SS355	DIODE	1	
D702	B0JCMD000024	DIODE	1	
F201	HU216005BP	CARTRIDGE FUSE	1	
F301	HU216005BP	CARTRIDGE FUSE	1	
F603	HU382T2	MICRO FUSE	1	
IC251	HA17431UA	INTEGRATED CIRCUIT	1	
IC351	HA17431UA	INTEGRATED CIRCUIT	1	
IC401	HA17431UA	INTEGRATED CIRCUIT	1	
IC451	PQ1CN41H2Z	VOLTAGE REGULATOR	1	
IC501	MIP3E30MP	IC	1	
IC551	HA17431UA	INTEGRATED CIRCUIT	1	
IP351	ERBSE0R75U	MICRO FUSE	1	
IP701	ERBSE0R75U	MICRO FUSE	1	
K601	KQ3298	RELAY	1	⚠
K602	DJ5D2QT8	RELAY	1	⚠
L401	LH8TB681K	CHOKE	1	
L402	H221012HY	CHOKE	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404	EXCELSR35	BEAD CHOKE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L451	SNK1012A	CHOKE	1	
L501	EXCELSA35	BEAD CHOKE	1	
L502,03	EXCELDR35	BEAD CHOKE	2	
L601,02	B3180207Z	FILTER CHOKE	2	⚠
L603	ETB50CZ13GAD	CHOKE TRANS	1	
L607,08	EXCELDR35	BEAD CHOKE	2	
MC201	MLQNF153	MODULE	1	⚠
MC202	MLKJA154	MODULE	1	⚠
MC203	MP00R3	MODULE	1	⚠
MC301	MLQNF682	MODULE	1	⚠
MC351	MLJFF103	MODULE	1	⚠
MC401	MLPSC103	MODULE	1	⚠
MC501	MLTZB100	MODULE	1	⚠
MC502	MLJHA103	MODULE	1	⚠
MC601	MLLPD103	MODULE	1	⚠
MC602	MP00P18	MODULE	1	⚠
MC603	MP00P13	MODUIE	1	⚠
MC701	MLZDE103	MODULE	1	⚠
P2	B2P3-VH-B	CONNECTOR	1	
P6	B12B-EH-A	CONNECTOR	1	
P7	B11B-EH-A	CONNECTOR	1	
P9	B03P-VL	CONNECTOR	1	⚠
P11	B2P3-VH-B	CONNECTOR	1	
P12	B10B-PH-KS	CONNECTOR	1	
P23	B3B-PH-KS	CONNECTOR	1	
P25	B13B-PH-KS	CONNECTOR	1	
PC201,02	PS2581A	PHOTO COUPLER	2	⚠
PC301,02	PS2581A	PHOTO COUPLER	2	⚠
PC401	PS2581A	PHOTO COUPLER	1	⚠
PC501,02	PS2581A	PHOTO COUPLER	2	⚠
Q301,02	FMA16N55G	FIELD EFFECT TRANSISTOR	2	⚠
Q351,52	2SK2510	FIELD EFFECT TRANSISTOR	2	
Q401	2SK3607	FIELD EFFECT TRANSISTOR	1	
Q402,03	2SA17670Q1TV	TRANSISTOR	2	
Q551	HAT1130R	FET	1	
Q552	2SB710AQRSTX	TRANSISTOR	1	
Q602	2SD2185	TRANSISTOR	1	
Q603	2SB14400RL	TRANSISTOR	1	
Q701,02	2SD602A-R	TRANSISTOR	2	
Q704	2SK3018	FIELD EFFECT TRANSISTOR	1	
R201	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R202	ERQ14AJ4R7J	FUSIBLE METAL FILM RESISTOR	1	
R203,04	ERJ6GEYJ334	M 330KOHM,J,1/10W	2	
R205	ERJ6ENF1782	M17.8KOHM, 1/10W	1	
R206-08	ERJ12YJ683	M 68KOHM, 1/2W	3	
R215,16	SG732K220	CHIP RESISTOR	2	
R251-54	ERJ6ENF6802	M 68KOHM, 1/10W	4	
R258	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R259	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R260	ERJ6GEYF151	M 150 OHM,F,1/10W	1	
R261	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R263	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R264	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R265	ERJ6ENF1073	M 107KOHM, 1/10W	1	
R266	ERJ6GEYF472	M 4.7KOHM,F,1/10W	1	
R267-69	ERJ6ENF1073	M 107KOHM, 1/10W	3	
R270	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R301	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
R302	ERQ14AJ4R7J	FUSIBLE METAL FILM RESISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R303,04	ERJ6GEYJ334	M 330KOHM,J,1/10W	2	
R305	ERJ6ENF4421	M4.42KOHM, 1/10W	1	
R306-08	ERJ12YJ683	M 68KOHM, 1/2W	3	
R309	ERG1SJ680	METAL OXIDE RESISTOR	1	
R310	ERG12SJ220	METAL OXIDE FILM RESISTOR	1	
R351	ERJ6ENF1052	M10.5KOHM, 1/10W	1	
R352	ERJ12YJ100	M 10 OHM,J, 1/2W	1	
R353	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R355	ERJ6GEYG682	CHIP RESISTOR	1	
R356	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R358	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R359	ERJ6ENF2102	M 21KOHM, 1/10W	1	
R362	ERJ12YJ332	M 3.3KOHM,J, 1/2W	1	
R363,64	ERJ6GEYF333	M 33KOHM,J,1/10W	2	
R365	ERJ6ENF1052	M10.5KOHM, 1/10W	1	
R366	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R367	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R368,69	ERJ6GEYG102	M 1KOHM,J,1/10W	2	
R370	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R371	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R403	ERJ12YJ100	M 10 OHM,J, 1/2W	1	
R404	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R405	MPC2WR10J	METAL PLATE RESISTOR	1	
R406	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R407	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R408	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	1	
R409	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R410	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R411,12	ERJ6GEYG152	CHIP RESISTOR	2	
R413,14	ERJ6ENF1622	M16.2KOHM, 1/10W	2	
R415	ERJ6ENF8662	CHIP RESISTOR	1	
R416	ERJ6ENF8061	M8.06KOHM, 1/10W	1	
R417-19	ERJ6ENF3572	M35.7KOHM, 1/10W	3	
R420	ERJ6ENF2870	M 287 OHM, 1/10W	1	
R451	ERJ6GEYG102	M 1KOHM,J,1/10W	1	
R452	ERJ6GEYF124	CHIP RESISTOR	1	
R453	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R454	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R455	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R456	ERJ6ENF1332	M13.3KOHM, 1/10W	1	
R505	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R506-11	ERJ6ENF8253	M 825KOHM, 1/10W	6	
R514-21	ERJ6ENF2703	M 270KOHM, 1/10W	8	
R522	ERJ6GEYJ180	M 18 OHM,J,1/10W	1	
R551	ERJ6GEYG121	CHIP RESISTOR	1	
R552	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R553	ERJ6GEYJ150	M 15 OHM,J,1/10W	1	
R555	ERJ6ENF1072	M10.7KOHM, 1/10W	1	
R556	ERJ6ENF1022	M10.2KOHM, 1/10W	1	
R557	ERJ6GEYG392	M 3.9KOHM,J,1/10W	1	
R558	ERJ6GEYF473	M 47KOHM,J,1/10W	1	
R559	ERJ6GEYG332	M 3.3KOHM,J,1/10W	1	
R561	ERJ6ENF2152	M21.5KOHM, 1/10W	1	
R562	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R563,64	ERJ6GEYG221	M 220 OHM,J,1/10W	2	
R601	RCRU5J125	METAL GLAZE FIXED RESISTOR	1	⚠
R602	R5B100J	W 10 OHM, J, 5W	1	
R603	ERJ6ENF1693	M 169KOHM, 1/10W	1	
R604-06	ERJ6ENF1783	M 178KOHM, 1/10W	3	
R607-10	ERJ6ENF3743	CHIP RESISTOR	4	
R611	ERJ6ENF1783	M 178KOHM, 1/10W	1	
R617,18	RF5EJR15B	METAL PLATE RESISTOR	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R619	RF5EJR10B	METAL PLATE RESISTOR	1	
R621	ERJ6GEYJ101V	M 100 OHM,J,1/10W	1	
R622	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R623	ERJ12YJ470	M 47 OHM, J,1/2W	1	
R624	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R625	ERJ12YJ470	M 47 OHM, J,1/2W	1	
R626	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R627	ERJ12YJ470	M 47 OHM, J,1/2W	1	
R628	ERQ14AJ330J	FUSIBLE METAL FILM RESISTOR	1	
R629	ERJ6GEYG154	CHIP RESISTOR	1	
R630	ERJ6ENF5902	M 59KOHM, 1/10W	1	
R631-36	ERJ6ENF1103	M 110KOHM, 1/10W	6	
R637	RCR6J825	METAL GLAZE FIXED RESISTOR	1	⚠
R638	RCRU5J155	METAL GLAZE FIXED RESISTOR	1	⚠
R701	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R702	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R703	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R704	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R706	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R707	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R708	ERJ14YJ471	CHIP RESISTOR	1	
R709	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R710	ERJ6GEYG182	M 1.8KOHM,J,1/10W	1	
R711	ERJ14YJ471	CHIP RESISTOR	1	
R712	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R713	ERJ6GEYG222	M 2.2KOHM,J,1/10W	1	
R716	ERJ6GEYG103	M 10KOHM,J,1/10W	1	
R717	ERJ6GEYJ474	M 470KOHM,J,1/10W	1	
R718	ERJ6GEYG470V	M 47 OHM,J,1/10W	1	
RF601	A5MC100JP2	139C 10	1	⚠
T201	ETB50LZ15GAD	TRANSFORMER	1	⚠
T301	ETB50LZ14GAD	TRANSFORMER	1	⚠
T501	ETB25BG118AD	TRANSFORMER	1	⚠
VR251	EVMEASA01B25	VARIABLE RESISTOR	1	
VR351	EVMEASA01B14	VARIABLE RESISTOR	1	
VR401	EVMEASA01B24	VARIABLE RESISTOR	1	
Z501	ERZVGAD471	VARISTOR	1	⚠
Z601	ERZVGED751	VARISTOR	1	⚠
Z602	ERZVGAD471	VARISTOR	1	⚠
ZD201,02	MAZ4270NMF	ZENER DIODE	2	
ZD301,02	MAZ4270NMF	ZENER DIODE	2	
ZD305	MAZ4270NMF	ZENER DIODE	1	
ZD401	MA4033	ZENER DIODE	1	
ZD402	MA8360	ZENER DIODE	1	
ZD451	MAZ4068NMF	ZENER DIODE	1	
ZD501,02	MA4300N	ZENER DIODE	2	
ZD503	MA4082N	ZENER DIODE	1	
ZD601	MA4047N	ZENER DIODE	1	