

Service Manual

High Definition Plasma Display

TH-42PH9WK

TH-42PH9WS

GPH9D Chassis



Specifications

Power Source	220-240 V AC, 50/60Hz	
Power Consumption		
Power on	330 W	
Stand-by condition	Save off 0.8 W, Save on 0.6 W	
Power off condition	0.2 W	
Plasma Display panel	Drive method: AC type 42-inch, 16:9 aspect ratio	
Contrast Ratio	Max 10000:1	
Screen size	920 mm (W) × 518 mm (H) × 1,056 mm (diagonal)	
(No. of pixels)	786,432 (1,024 (W) × 768 (H)) [3,072 × 768 dots]	
Operating condition		
Temperature	0 °C - 40 °C	
Humidity	20 % - 80 %	
Applicable signals		
Color System	NTSC, PAL, PAL60, SECAM, Modified NTSC	
Scanning format	525 (480) / 60i • 60p, 625 (575) / 50i • 50p, 750 (720) / 60p • 50p, 1125 (1080) / 60i • 50i • 24p • 25p • 30p • 24sF SMPTE274M, 1250 (1080) / 50i	
PC signals	VGA, SVGA, XGA, SXGA, UXGA (compressed) Horizontal scanning frequency 15 - 110 kHz Vertical scanning frequency 48 - 120 Hz	
Connection terminals		
AV	VIDEO IN (BNC)	1.0 Vp-p (75-ohm or high impedance)
	S VIDEO IN (MINI DIN 4PIN)	Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p (75-ohm)
	AUDIO IN (RCA PIN JACK × 4)	0.5 Vrms
PC	(HIGH-DENSITY Mini-D-SUB 15PIN)	Y or G with / sync 1.0 Vp-p (75-ohm) Y or G without / sync 0.7 Vp-p (75-ohm) B / P _B / C _B : 0.7 Vp-p (75-ohm)

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R / P_R / C_R:0.7 Vp-p (75-ohm)

HD / VD:1.0 - 5.0 Vp-p (high impedance)

VBS (use HD port)

with / picture 1.0 Vp-p (high impedance)

without / picture 0.3 Vp-p (high impedance)

AUDIO IN (M3 JACK)

0.5 Vrms

SERIAL

EXTERNAL CONTROL TERMINAL (D-SUB 9PIN) RS-232C COMPATIBLE

SPEAKERS (6Ω)

16 W [8 W + 8 W] (10 % THD)

Accessories Supplied

Remote Control Transmitter EUR7636090R

Batteries 2 × R6 Size

Fixing bands (TMME203 or TMME187) × 2

Dimensions (W × H × D)

1,020 mm × 610 mm × 89 mm

Mass (weight)

main unit only approx. 27.0kg net

with speakers approx. 31.0kg

Notes:

- Design and specifications are subject to change without notice. Mass and dimensions shown are approximate.
- This equipment complies with the EMC standards listed below. EN55022, EN55024, EN61000-3-2, EN61000-3-3.

⚠ 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

VIDEO input

	Signal name	Horizontal frequency(kHz)	Vertical frequency(Hz)
1	NTSC	15.73	59.94
2	PAL	15.63	50.00
3	PAL60	15.73	59.94
4	SECAM	15.63	50.00
5	Modified NTSC	15.73	59.94

Applicable input signals for Component / Mini D-sub 15P (Component) / RGB / Mini D-sub 15P (RGB) (* Mark)

	Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	Component / Mini D-sub 15P (Component)	RGB / Mini D-sub 15P (RGB)
1	525 (480) / 60i	15.73	59.94	*	*
2	525 (480) / 60p	31.47	59.94	*	*1
3	625 (575) / 50i	15.63	50.00	*	*
4	625 (575) / 50p	31.25	50.00	*	*
5	750 (720) / 60p	45.00	60.00	*	*
6	750 (720) / 50p	37.50	50.00	*	*
7	1,125 (1,080) / 60i	33.75	60.00	*	*
8	1,125 (1,080) / 50i	28.13	50.00	*	*
9	1,125 (1,080) / 24p	27.00	24.00	*	*
10	1,125 (1,080) / 24sF	27.00	47.92	*	*
11	1,125 (1,080) / 25p	28.13	25.00	*	*
12	1,125 (1,080) / 30p	33.75	30.00	*	*
13	1,250 (1,080) / 50i	31.25	50.00	*	*
14	640 × 400 @70 Hz	31.46	70.07		*
15	640 × 480 @60 Hz	31.47	59.94		*2
16	640 × 480 @72 Hz	37.86	72.81		*
17	640 × 480 @75 Hz	37.50	75.00		*
18	640 × 480 @85 Hz	43.27	85.01		*
19	852 × 480 @60 Hz	31.47	59.94		*2
20	800 × 600 @56 Hz	35.16	56.25		*
21	800 × 600 @60 Hz	37.88	60.32		*
22	800 × 600 @72 Hz	48.08	72.19		*
23	800 × 600 @75 Hz	46.88	75.00		*
24	800 × 600 @85 Hz	53.67	85.06		*
25	1,024 × 768 @60 Hz	48.36	60.00		*
26	1,024 × 768 @70 Hz	56.48	70.07		*
27	1,024 × 768 @75 Hz	60.02	75.03		*
28	1,024 × 768 @85 Hz	68.68	85.00		*
29	1,152 × 864 @75 Hz	67.50	75.00		*
30	1,280 × 960 @60 Hz	60.00	60.00		*
31	1,280 × 960 @85 Hz	85.94	85.00		*
32	1,280 × 1,024 @60 Hz	63.98	60.02		*
33	1,280 × 1,024 @75 Hz	79.98	75.03		*
34	1,280 × 1,024 @85 Hz	91.15	85.02		*
35	1,600 × 1,200 @60 Hz	75.00	60.00		*
36	1,600 × 1,200 @65 Hz	81.25	65.00		*
37	1,066 × 600 @60 Hz	37.88	60.32		*
38	1,366 × 768 @60 Hz	48.36	60.00		*
39	Macintosh13" (640 × 480)	35.00	66.67		*
40	Macintosh16" (832 × 624)	49.72	74.54		*
41	Macintosh21" (1,152 × 870)	68.68	75.06		*

*1: When selected the RGB format and 525p signal input to the Mini D-sub 15P terminal, it is recognized as VGA 60Hz signal.

*2: When inputted VGA 60Hz format signal from the other than Mini D-sub 15P terminal, it is recognized as 525p signal.

Note: Signals without above specification may not be displayed properly.

2 Safety Precautions

2.1. General Guidelines

1. 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.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screw heads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between $1\text{M}\Omega$ and $5.2\text{M}\Omega$.

When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

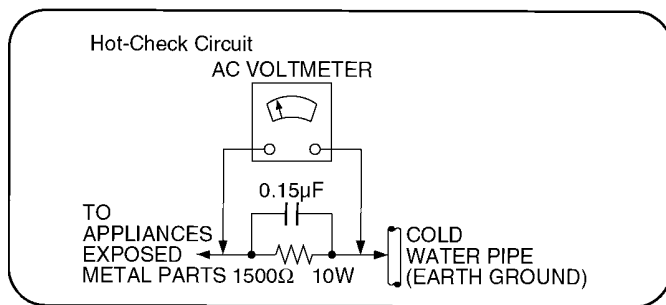


Figure 1

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

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

3 Prevention of Electro Static 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 electro static 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 harmless 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.

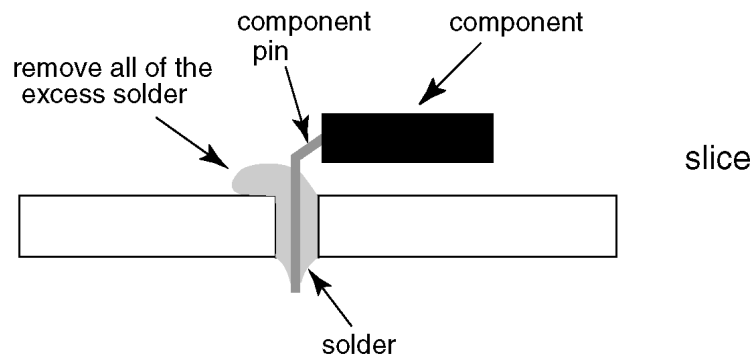
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol  stamped on the back of PCB.

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).

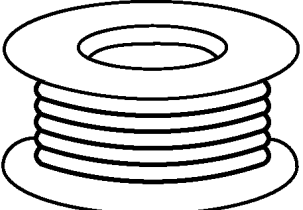
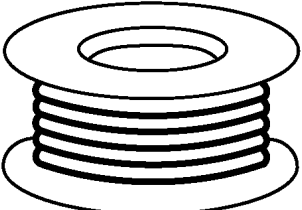
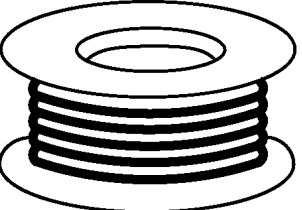
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.

- 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

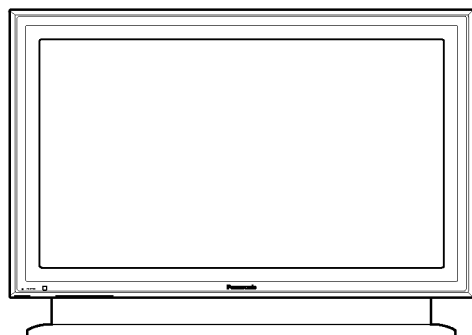
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

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

5 Service Hint

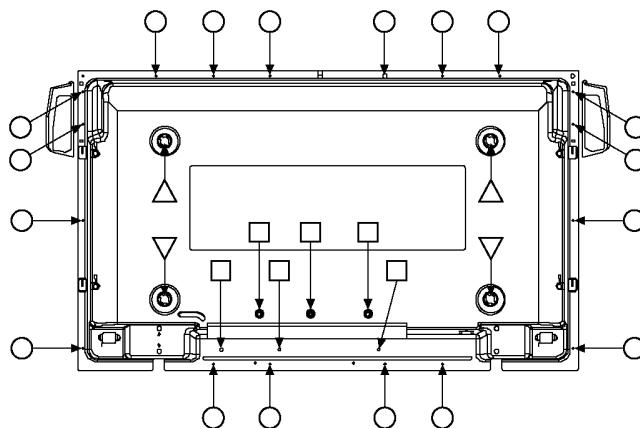
[How to set the plasma unit for servicing]

Place the plasma unit on the pedestal stand.
(Optional Accessory)

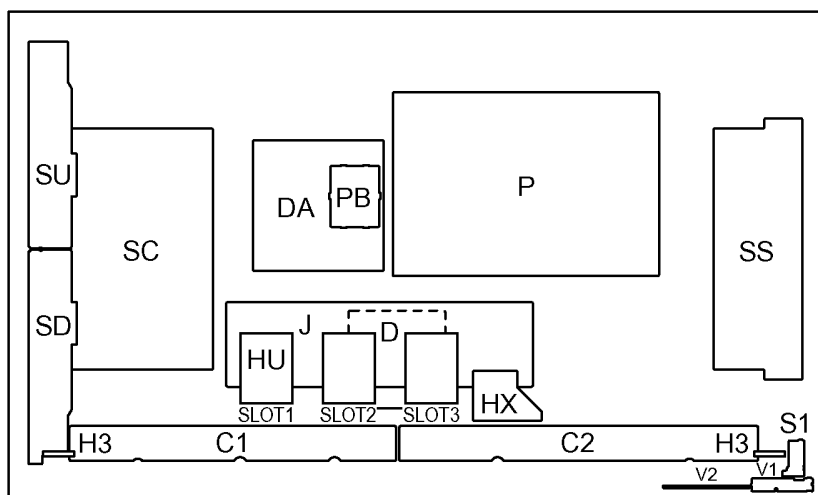


Pedestal Stand

Remove the Back Cover



Remove : 18 screws (O) XYC4+FJ35FJK
6 screws (□) THEL0429
4 screws (△) XYN8+F20FJK



Board Name	Function
DA	Digital Signal Processor, Micon
D	Format Converter, Plasma AI Processor, Sub-Field Processor
J	Slot Interface (Audio / Video / Sync input Switch), SYNC processor, Sound processor
SS	Sustain drive
SC	Scan drive
SU	Scan out (Upper)
SD	Scan out (Lower)
C1	Data Drive (Right)
C2	Data Drive (Left)
H3	Speaker terminal
S1	Power switch
V1	Remote receiver, LED-G, R
V2	Key switch
P	Power supply
PB	Fan control
HX	PC / RS-232C_ Input terminal
HU	Dual Video terminal (BNC / S)

Note:

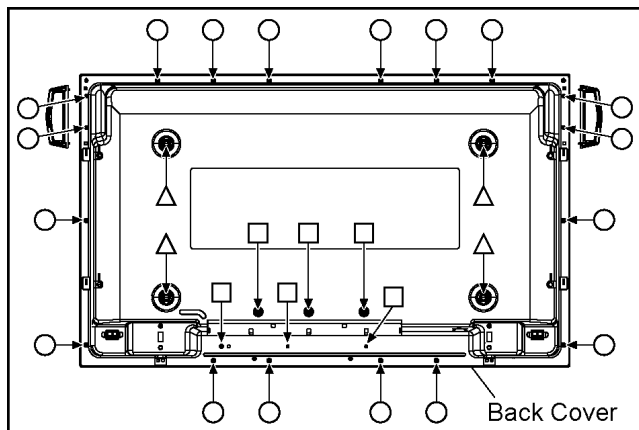
- Extension cable kit Slot Board is supplied as service fixtures and tools.
(Parts No. TZSC0704)

6 Disassembly

- To disassemble P.C.B., wait for 1 minute after power was off for discharge from electrolysis capacitors.
- ⬆ and ⬆ marks indicate screw positions.

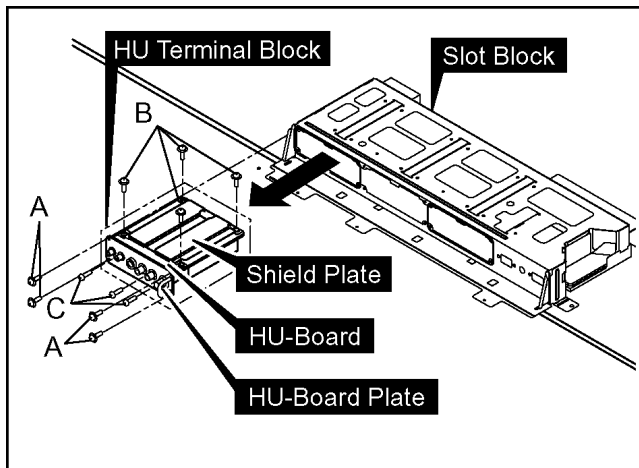
6.1. Removal of the Back Cover

1. Remove the screws (×18 ○, ×6 □, ×4 △) and then remove the Back Cover.



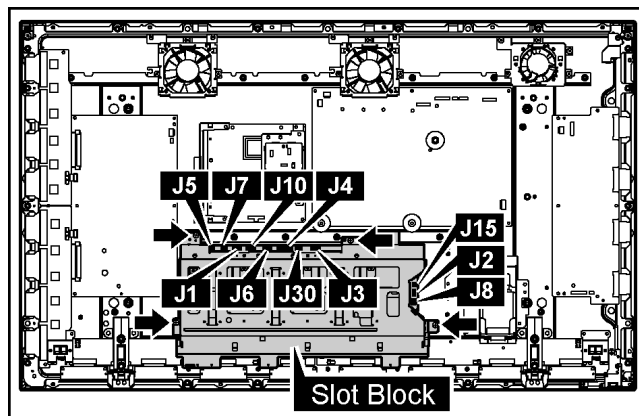
6.2. Removal of the HU-Board

1. Remove the 4 screws(A) and then remove the HU Terminal Block.
2. Remove the 4 screws(B).
3. Remove the 3 screws(C) and then remove the HU-Board.



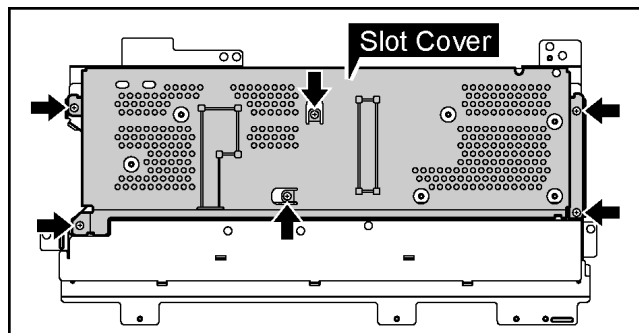
6.3. Removal of the Slot Block

1. Disconnect the couplers (J1, J2, J3, J4, J5, J6, J7, J8, J10, J15, J30).
2. Remove the 4 screws and then remove the Slot Block.

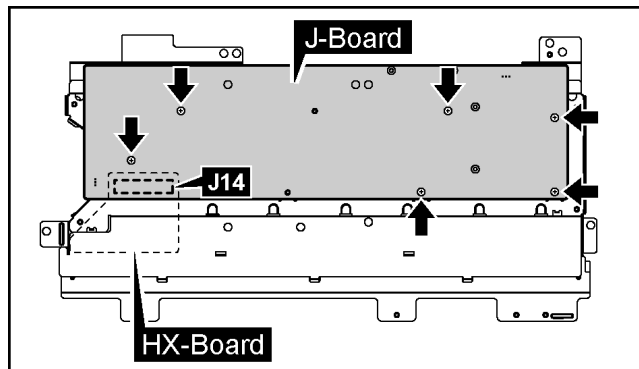


6.4. Removal of the J-Board

1. Remove the HU Terminal Block and the HA Terminal Block.
(Reference to Removal of the HU-Board and the HA-Board)
2. Remove the Slot Block.
(Reference to Removal of the Slot Block)
3. The Slot Block is turned inside out.
4. Remove the 6 screws and then remove the Slot cover.

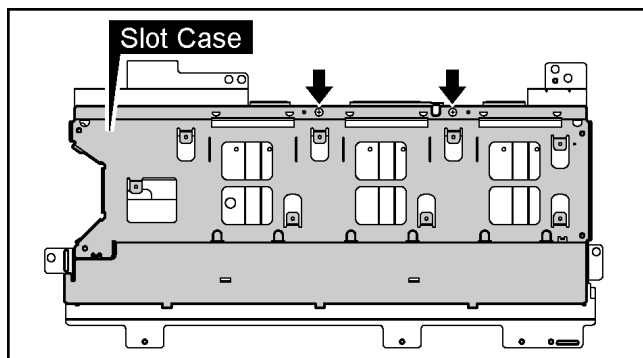


5. Remove the 6 screws.
6. Release the coupler(J14) from HX-Board and then remove the J-Board.

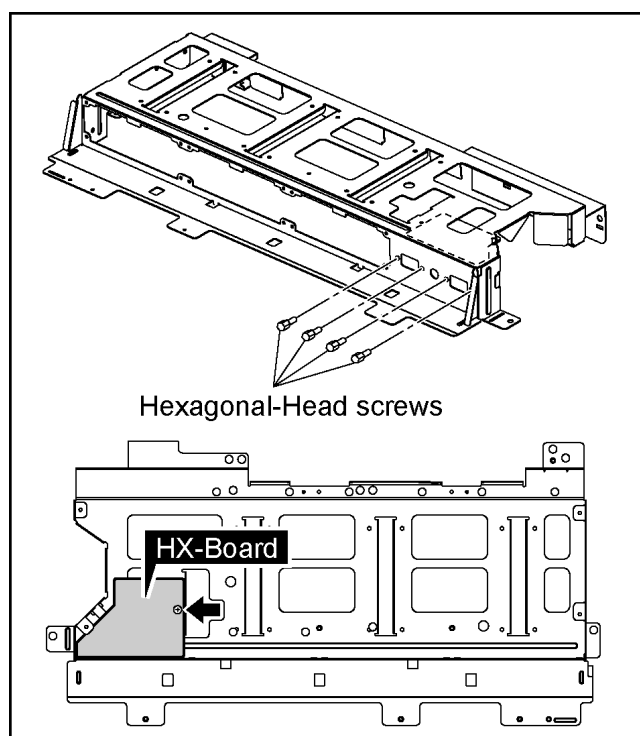


6.5. Removal of the HX-Board

1. Remove the HU Terminal Block.
(Reference to Removal of the HU-Board)
2. Remove the Slot Block.
(Reference to Removal of the Slot Block)
3. Remove the J-Board.
(Reference to Removal of the J-Board)
4. Remove the 2 screws and then remove the Slot Case.

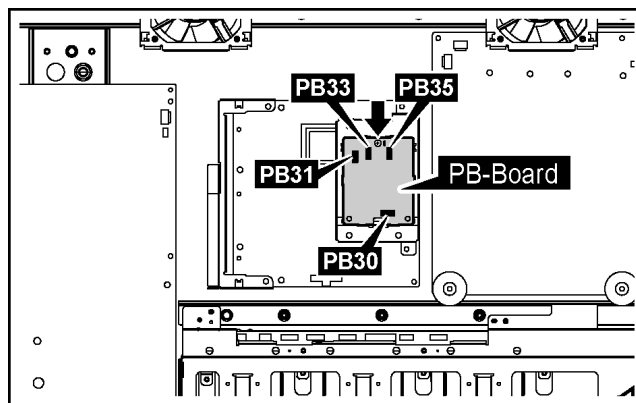


5. Remove the 4 Hexagonal-Head screws and the 1 screw and then remove the HX-Board.



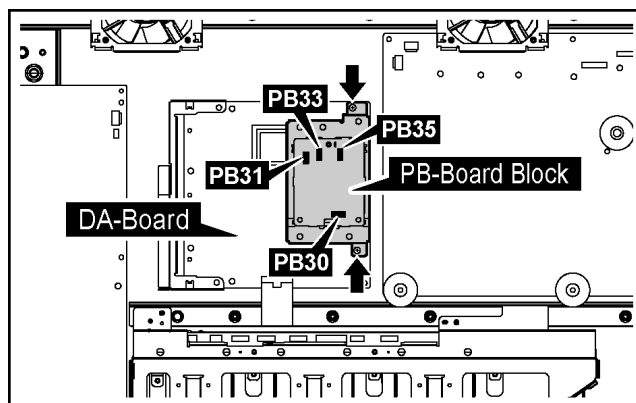
6.6. Removal of the PB-Board

1. Disconnect the couplers(PB30, PB31, PB33, PB35).
2. Remove the 1 screw and then remove the PB-Board.

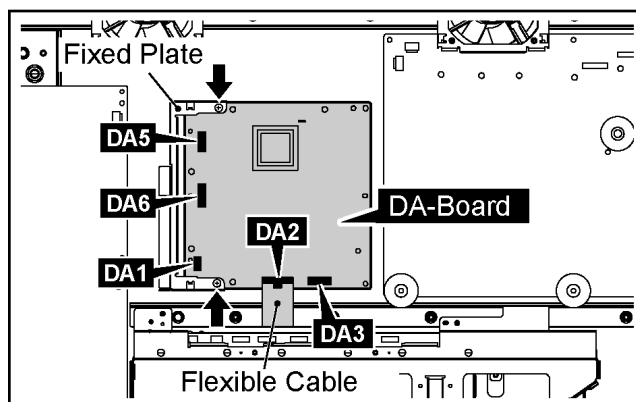


6.7. Removal of the DA-Board

1. Disconnect the couplers(PB30, PB31, PB33, PB35).
2. Remove the 2 screws and then remove the PB-Board Block.



3. Disconnect the couplers(DA1, DA3, DA5, DA6).
4. Remove the Flexible Cable from the coupler(DA2).
5. Remove the 2 screws and then remove the DA-Board and Fixed Plate.

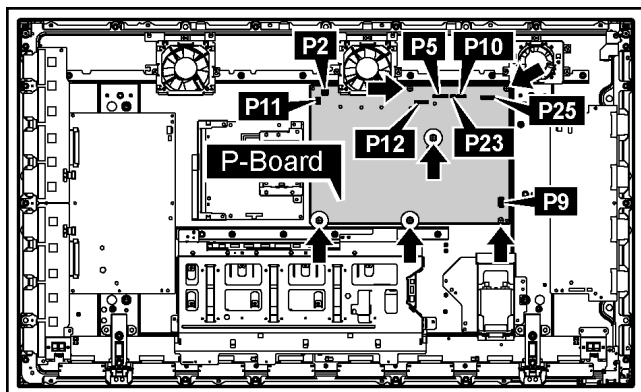


Note:

A re-setup of the destination is performed by MS mode after DA-Board exchange.

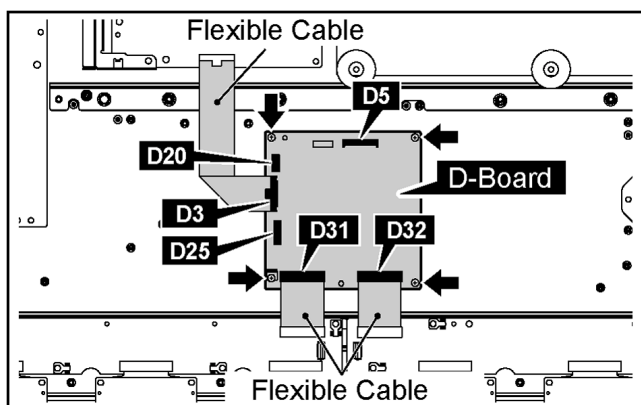
6.8. Removal of the P-Board

1. Disconnect the couplers(P2, P5, P9, P10, P11, P12, P23, P25)
2. Remove the 6 screws and then remove the P-Board.



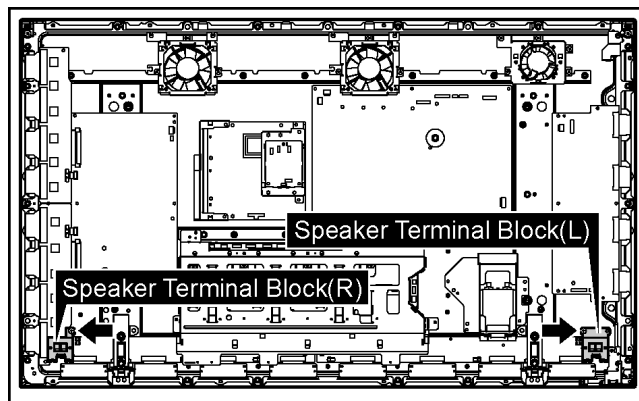
6.9. Removal of the D-Board

1. Remove the Slot Block.
(Reference to Removal of the Slot Block)
2. Disconnect the couplers(D5, D20, D25)
3. Remove the Flexible Cable from the couplers (D3, D31, D32).
4. Remove the 4 screws and then remove the D-Board.

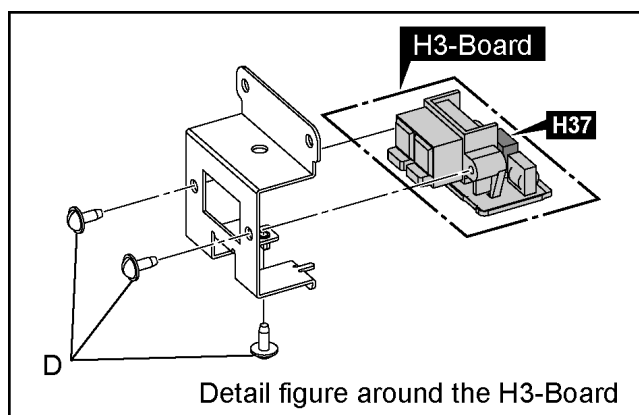


6.10. Removal of the H3-Board (L, R)

1. Remove the each 1 screw and then remove the Speaker Terminal Block (L, R).

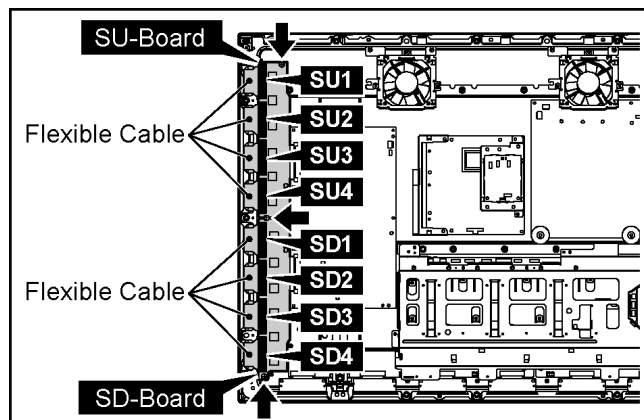


2. Disconnect the coupler(H37).
3. Remove the 3 screws (D) and then remove the H3-Board.

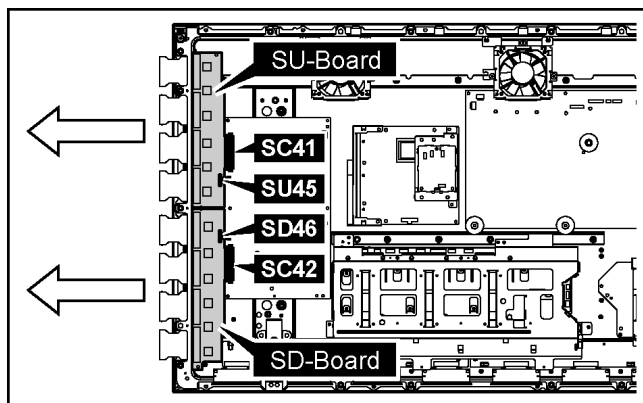


6.11. Removal of the SU-Board and the SD-Board

1. Remove the Speaker Terminal Block(R).
(Reference to Removal of the H3-Board(L, R))
2. Remove the Flexible Cable from the couplers(SU1, SU2, SU3, SU4, SD1, SD2, SD3, SD4) and then remove the SU-Board.
3. Remove the 3 screws.

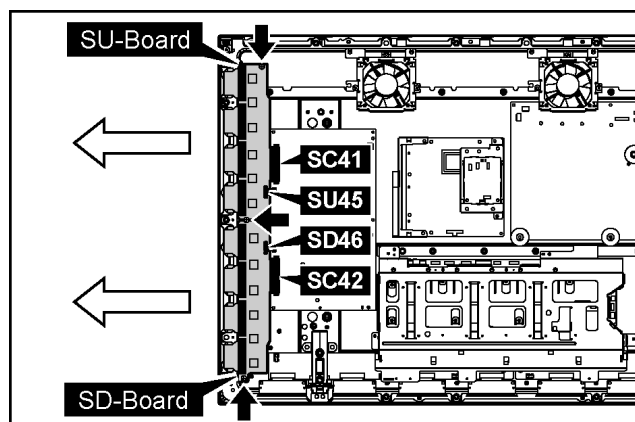


4. Disconnect the couplers(SU45, SD46).
5. Slide the SU-Board and the SD-Board to the left, remove the SU-Board and the SD-Board from the couplers(SC41, SC42).

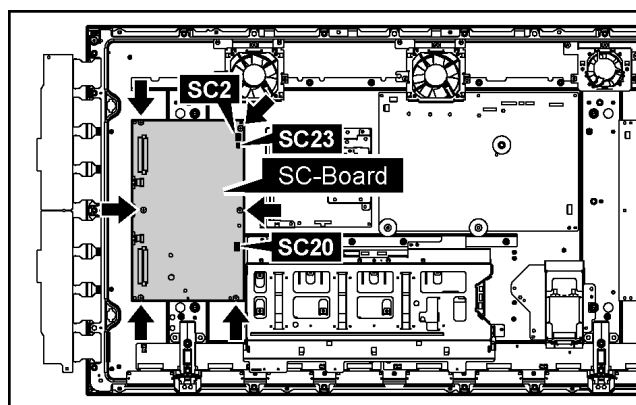


6.12. Removal of the SC-Board

1. Remove the Speaker Terminal Block(R).
(Reference to Removal of the H3-Board(L, R))
2. Disconnect the couplers(SU45, SD46).
3. Remove the 3 screws (▲) and then slide the SU-Board and the SD-Board to the left.

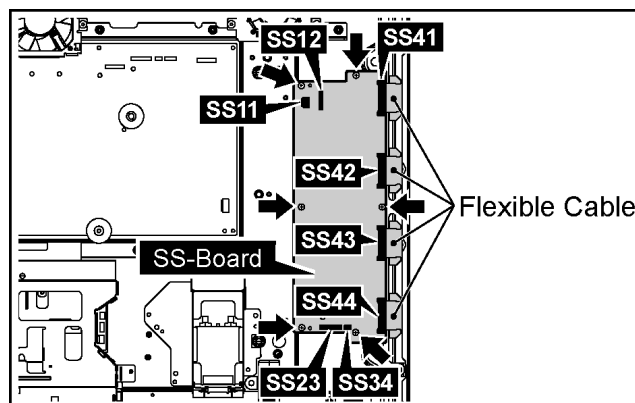


4. Disconnect the couplers(SC2, SC20, SC23).
5. Remove the 6 screws and then remove the SC-Board.



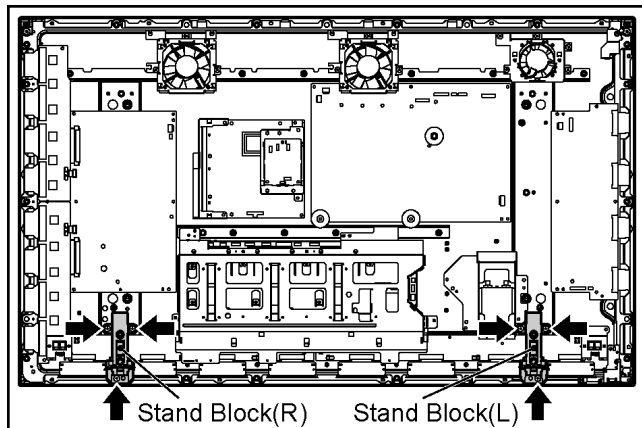
6.13. Removal of the SS-Board

1. Disconnect the couplers(SS11, SS12, SS23, SS34).
2. Remove the Flexible Cable from the couplers(SS41, SS42, SS43, SS44).
3. Remove the 6 screws and then remove the SS-Board.



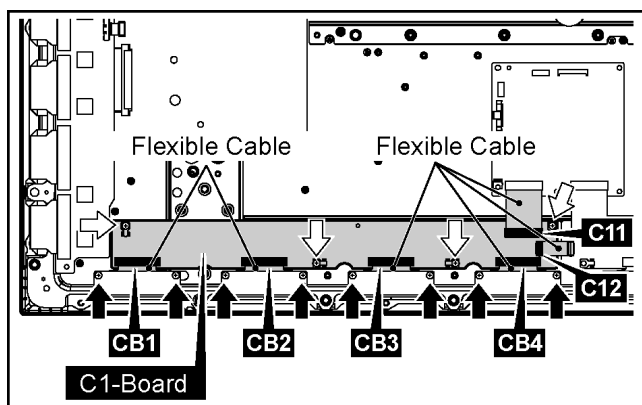
6.14. Removal of the C1, C2-Board

1. Remove the Slot Block.
(Reference to Removal of the Slot Block)
2. Remove the Speaker Terminal Block(L, R).
(Reference to Removal of the H3-Board(L, R))
3. Remove the each 3 screws and then remove the Stand Block(L, R).



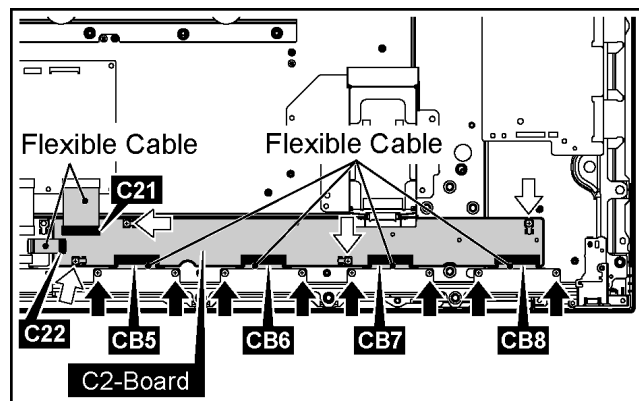
6.14.1. Removal of the C1-Board

1. Remove the Flexible Cable from the couplers(C11, C12).
2. Remove the 8 screws (▲) and then remove the Flexible Cable from the couplers(CB1, CB2, CB3, CB4).
3. Remove the 4 screws (◆) and then remove the C1-Board.



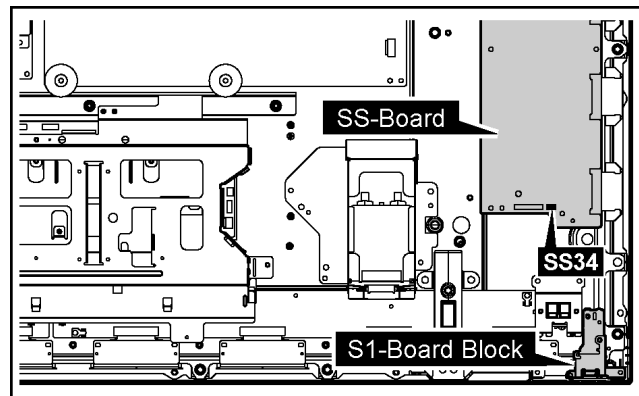
6.14.2. Removal of the C2-Board

1. Remove the Flexible Cable from the couplers(C21, C22).
2. Remove the 8 screws (▲) and then remove the Flexible Cable from the couplers(CB5, CB6, CB7, CB8).
3. Remove the 4 screws (◆) and then remove the C2-Board.

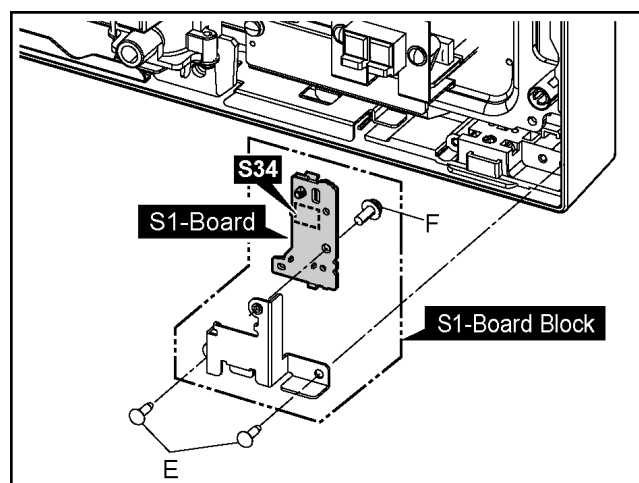


6.15. Removal of the S1-Board

1. Disconnect the coupler(SS34).

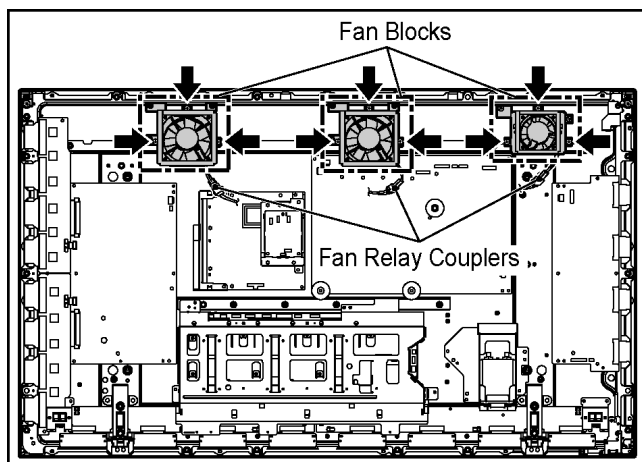


2. Remove the 2 screws(E) and then remove the S1-Board Block.
3. Disconnect the coupler(S34).
4. Remove the 1 screw(F) and then remove the S1-Board.

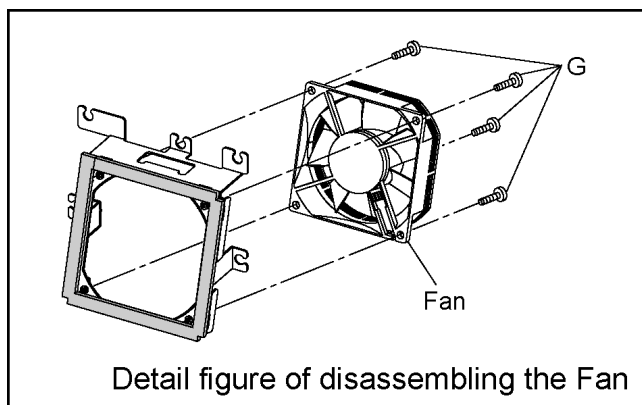


6.16. Removal of the Fan

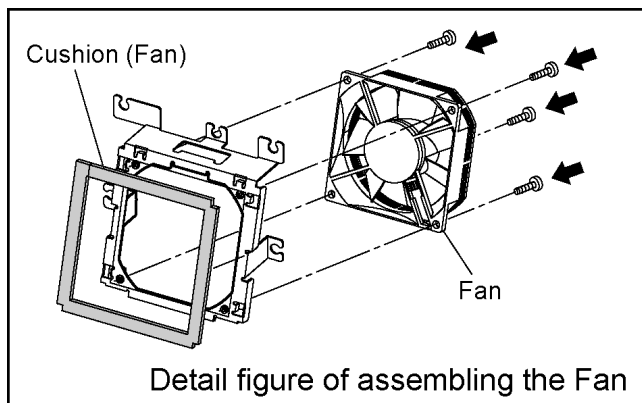
1. Disconnect the Fan Relay Couplers.
2. Remove the each 3 screws and then remove the 3 Fan Blocks.



3. Remove the each 4 screws (G) and then remove the Fans.



4. Reassemble the Fans in reverse order.
5. Stick the Cushion (Fan) around the Fan.

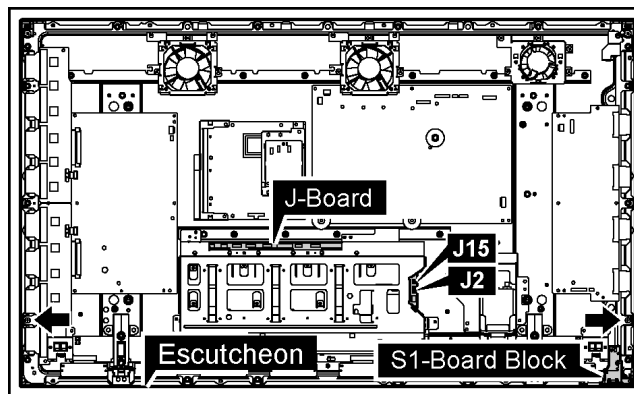


Note:

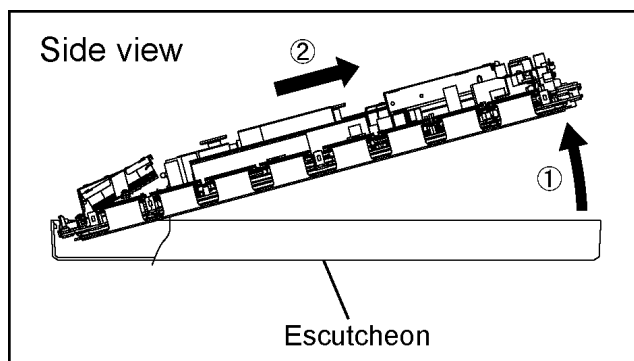
The Cushion (Fan) are unsuitable to reuse.
Please use a new one at the time of Fan exchange.

6.17. Removal of the V1-Board, V2-Board and the Operation Button

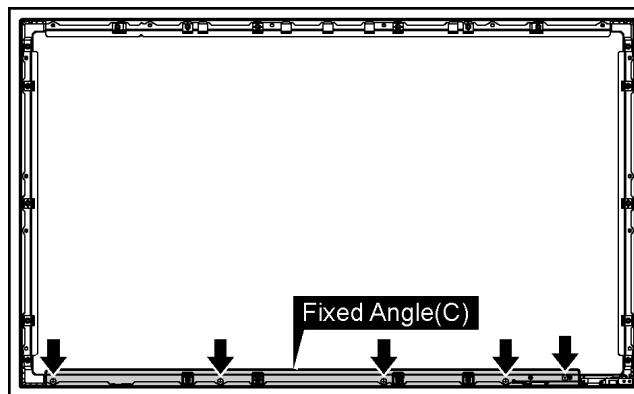
1. Remove the S1-Board Block.
(Reference to Removal of the S1-Board)
2. Disconnect the couplers(J2, J15).
3. Remove the 2 screws of the Escutcheon.



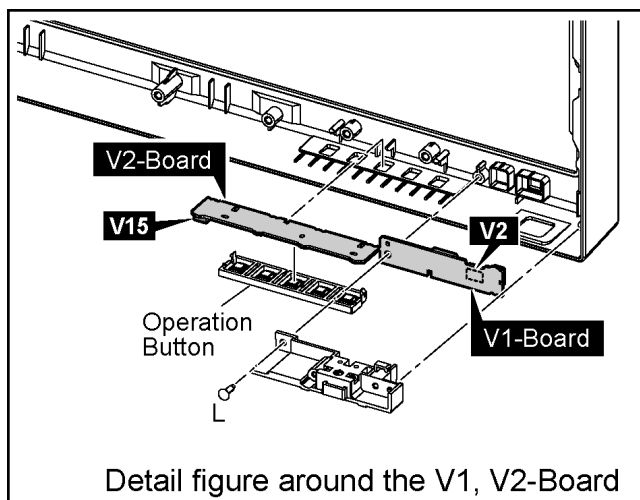
4. Pull the bottom of the Plasma Panel forward (arrow1).
5. Slide the Plasma Panel and then remove the Plasma Panel (arrow2).



6. Remove the 5 screws and then remove the Fixed Angle(C).

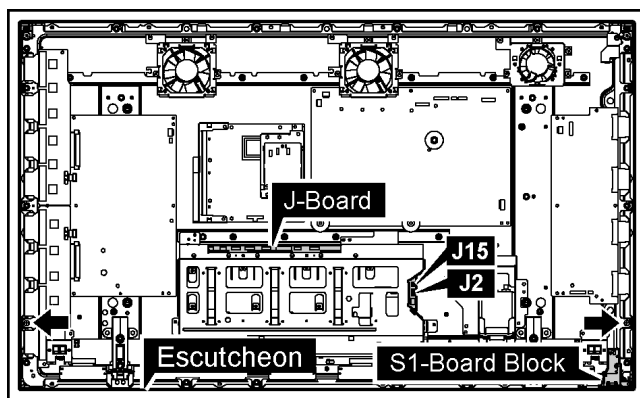


7. Remove the 1 screw(L).
8. Disconnect the coupler(V2) and then remove the V1-Board.
9. Remove the operation button from the V2-Board.
10. Disconnect the coupler(V15) and then remove the V2-Board.

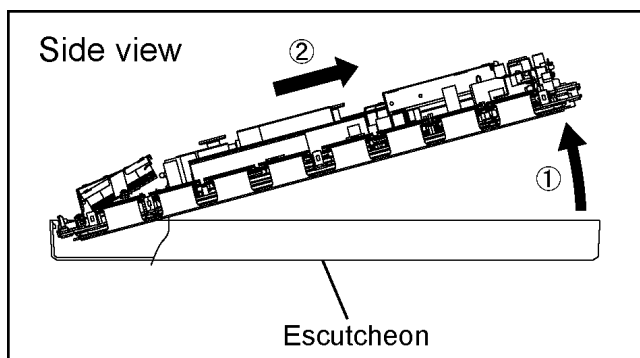


6.18. Removal of the Escutcheon and the Front Glass

1. Remove the S1-Board Block.
(Reference to Removal of the S1-Board)
2. Disconnect the couplers(J2, J15).
3. Remove the 2 screws of the Escutcheon.

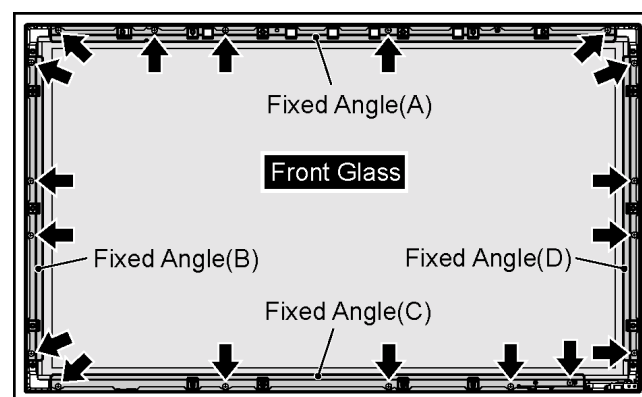


4. Pull the bottom of the Plasma Panel forward (arrow1).
5. Slide the Plasma Panel and then remove the Plasma Panel (arrow2).



6. Remove the 18 screws and then remove the Fixed Angle (A, B, C, D).

7. Remove the Front Glass

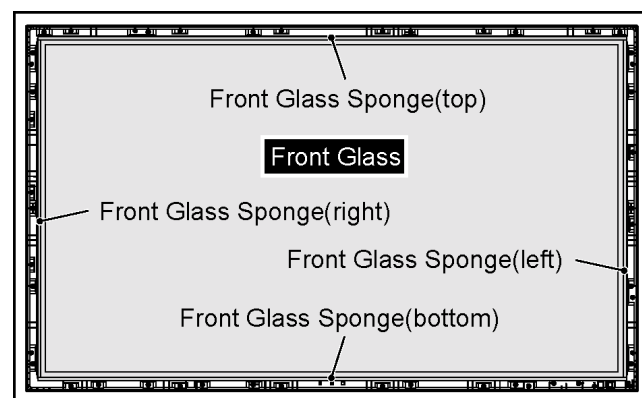


Note: when Front Glass is exchanged

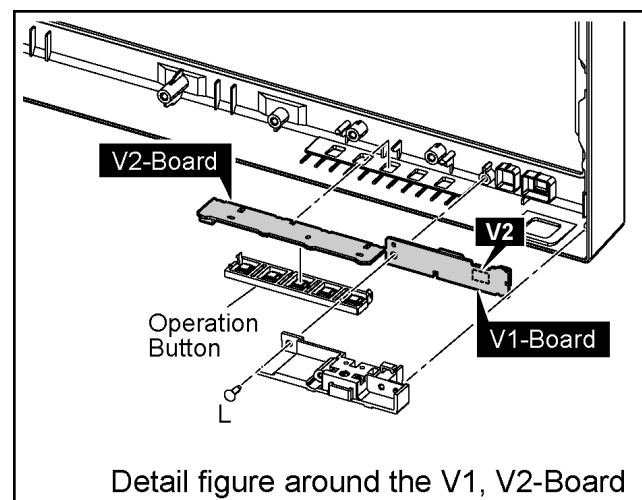
- Each Front Glass Sponge must be stuck along the edge of Fixed Angle.

Note

- The sponges are parts which cannot be recycled. Please use the new article when you exchange the Front Glass.



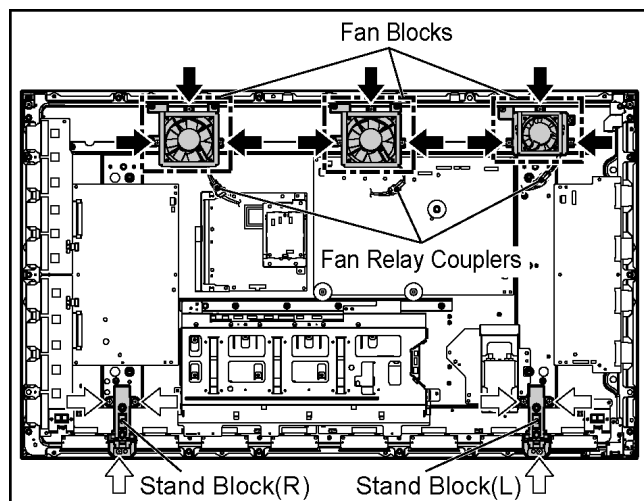
8. Remove the 1 screw (L) and then remove the V1-Board.
9. Remove the V2-Board and Operation Button.



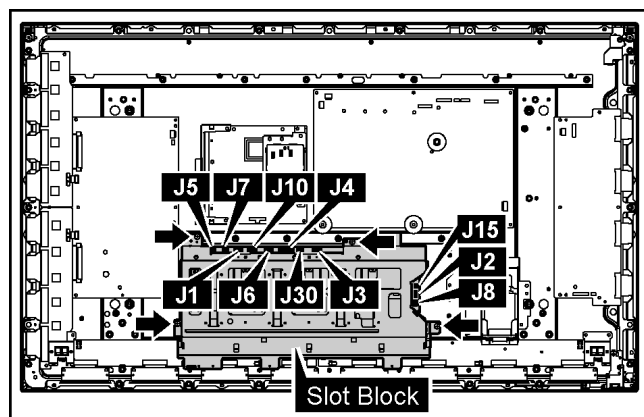
6.19. Removal of the Plasma Panel

· The C1,C2 module is connected with the plasma panel for the repair.

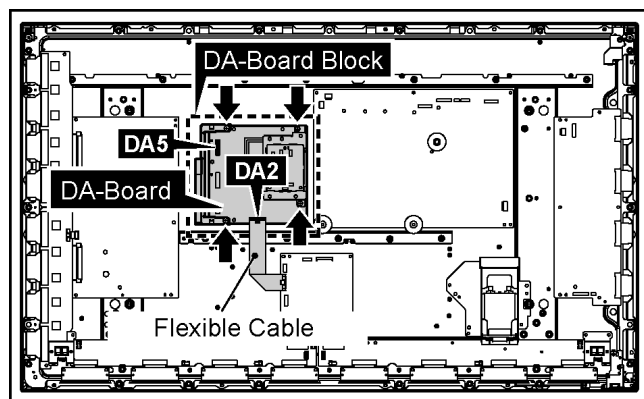
1. Disconnect the Fan Relay Couplers.
2. Remove the each 3 screws (⬆) and then remove the 3 Fan Blocks.
3. Remove the each 3 screws (⬆) and then remove the Stand Block(L, R).



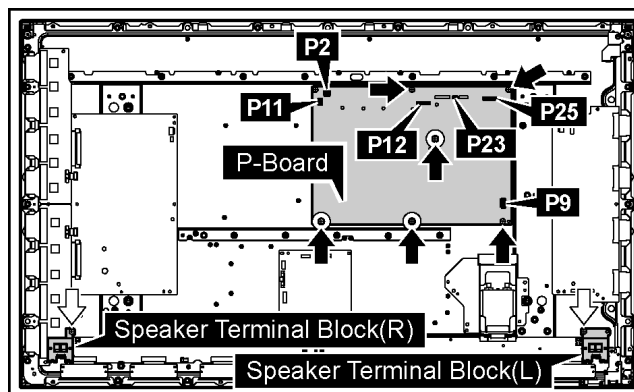
4. Disconnect the couplers(J1, J2, J3, J4, J5, J6, J7, J8, J10, J15, J30).
5. Remove the 4 screws and then remove the Slot Block.



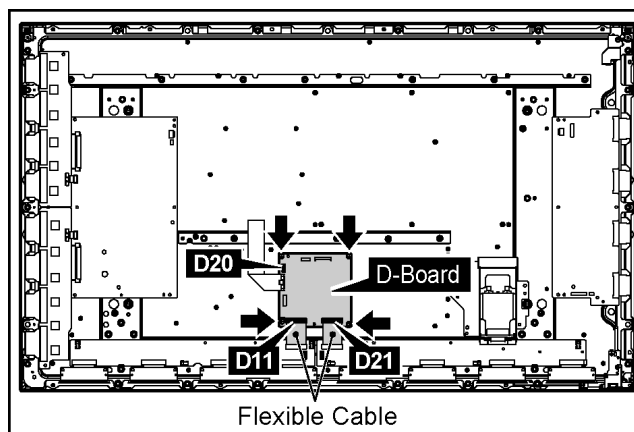
6. Disconnect the coupler(DA5).
7. Remove the Flexible Cable from the coupler(DA2).
8. Remove the 4 screws and then remove the DA-Board Block.



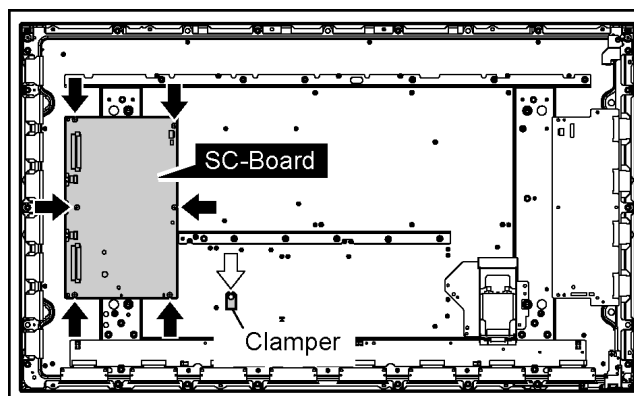
9. Disconnect the couplers(P2, P9, P11, P12, P23, P25).
10. Remove the 6 screws (⬆) and then remove the P-Board.
11. Remove the each 1 screw (⬆) and then remove the Speaker Terminal Block(L, R).



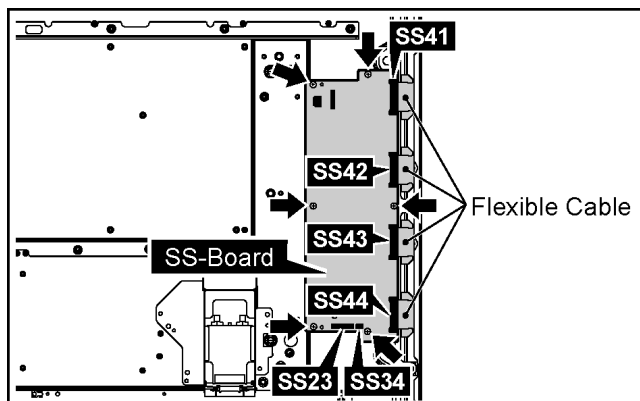
12. Disconnect the coupler(D20).
13. Remove the Flexible Cable from the couplers(C11,C21).
14. Remove the 4 screws and then remove the D-Board.



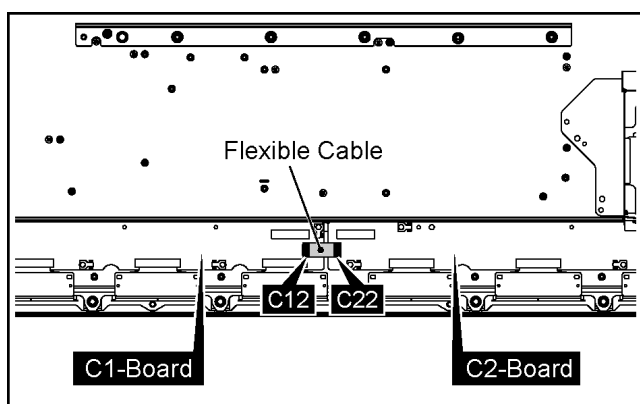
15. Remove the SU-Board and the SD-Board.
(Reference to Removal of the SU-Board and the SD-Board)
16. Remove the 1 screw (⬆) and then remove the clumper.
17. Remove the 6 screws (⬆) and then remove the SC-Board.



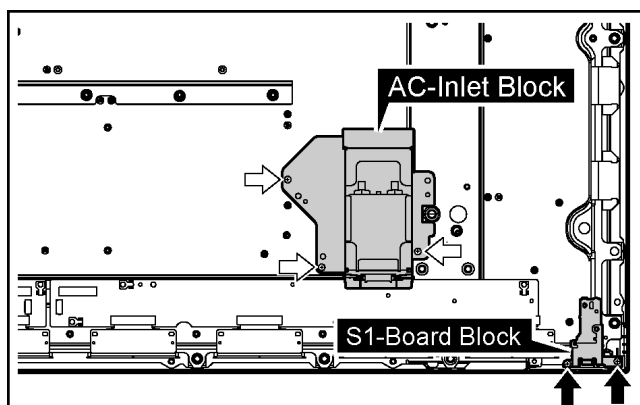
18. Disconnect the couplers(SS23, SS34).
19. Remove the Flexible Cable from the couplers(SS41, SS42, SS43, SS44)
20. Remove the 6 screws and then remove the SS-Board.



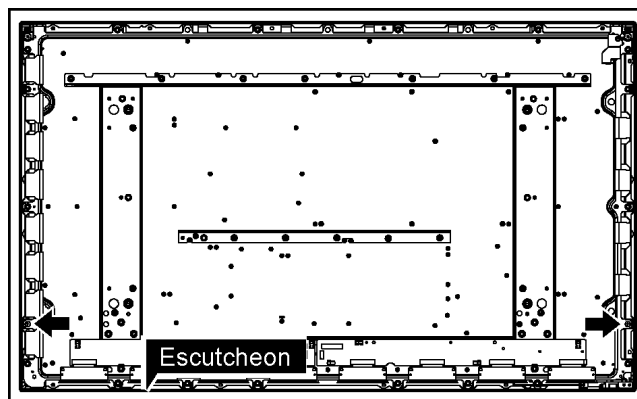
21. Remove the Flexible Cable from the couplers(C12,C22).



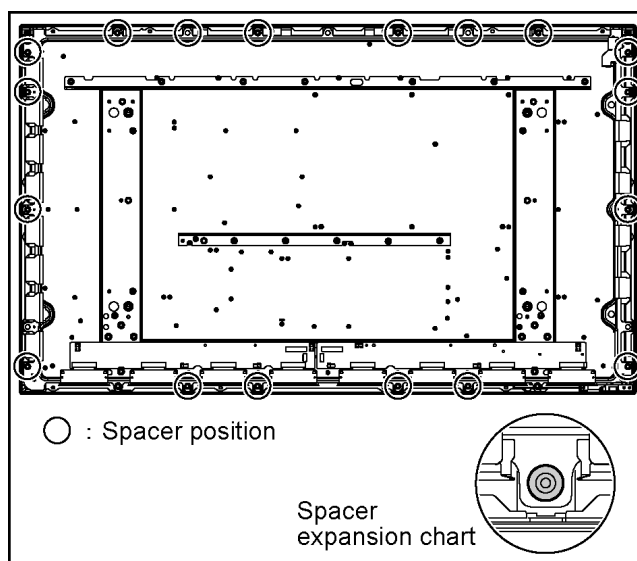
22. Remove the 2 screws (⬆) and then remove the S1-Board Block.
23. Remove the 3 screws (⬆) and then remove the AC-Inlet Block.



24. Remove the 2 screws of the Escutcheon.



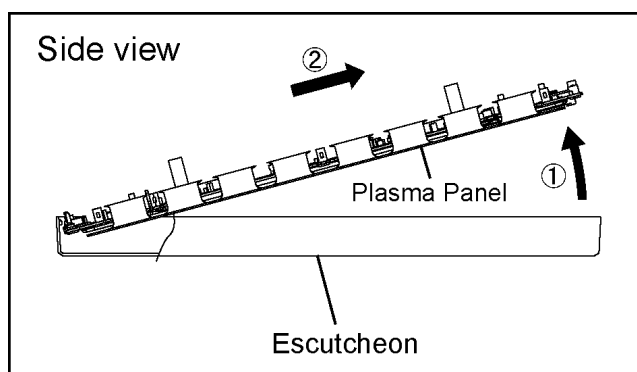
25. Remove the 18 Spacers and Spacer Rings from the Plasma Panel.



Caution

- Please confirm the installation place of Spacer and Spacer Ring when you exchange the Plasma Panel, and install Spacer and Spacer Ring in an original installation place after exchanging the Plasma Panel.

26. Lift up the bottom of the Plasma Panel in the direction of the arrow 1 and pull the Plasma Panel in the direction of the arrow 2 and then remove the Plasma Panel.



7 Location of Lead Wiring

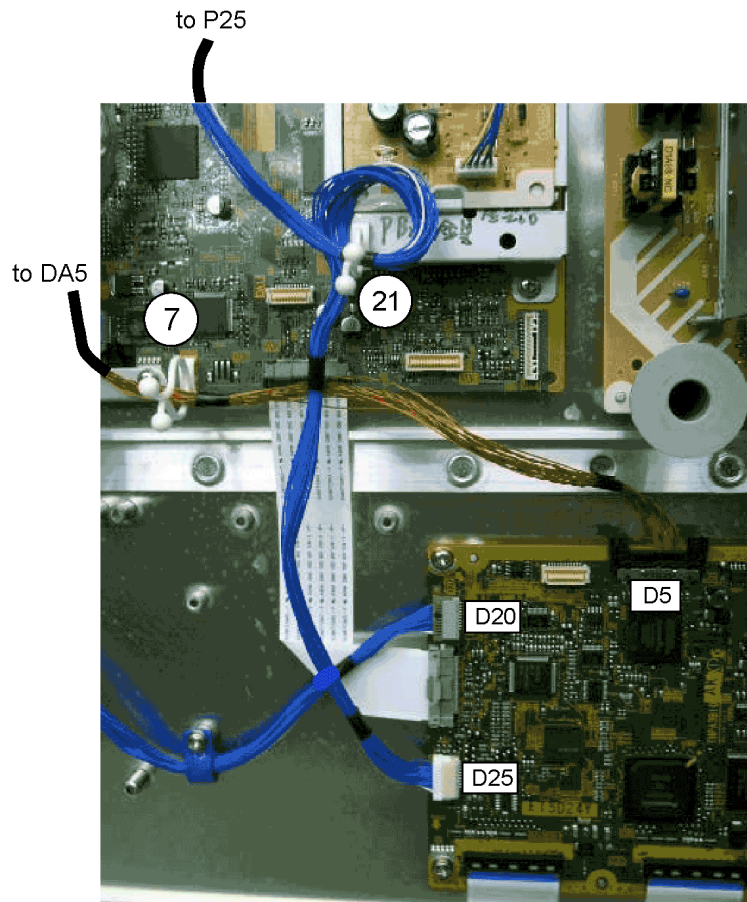
7.1. Location of Lead Wiring (1)

The lead wiring is dressed as shown in figure.

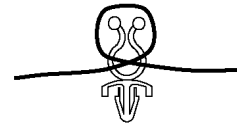
1. After the D5-DA5 lead wire is connected, passes through the ⑦ clamber, and wires above.
2. After the D25-P25 lead wire is connected, passes through the ②① clamber twice, and wires above.
Connection part: D5 and D25 connector.

Note: (1) The D25-P25 lead wire should pass the D20-SC20 lead wire bottom.

- (2) Don't clamp the ⑦ clamber and the ②① clamber.
(The lead is only passed.)

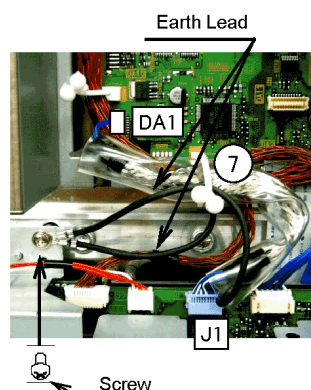
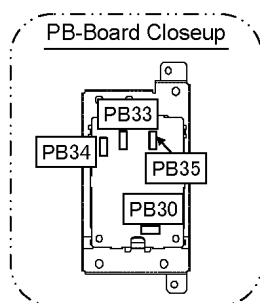
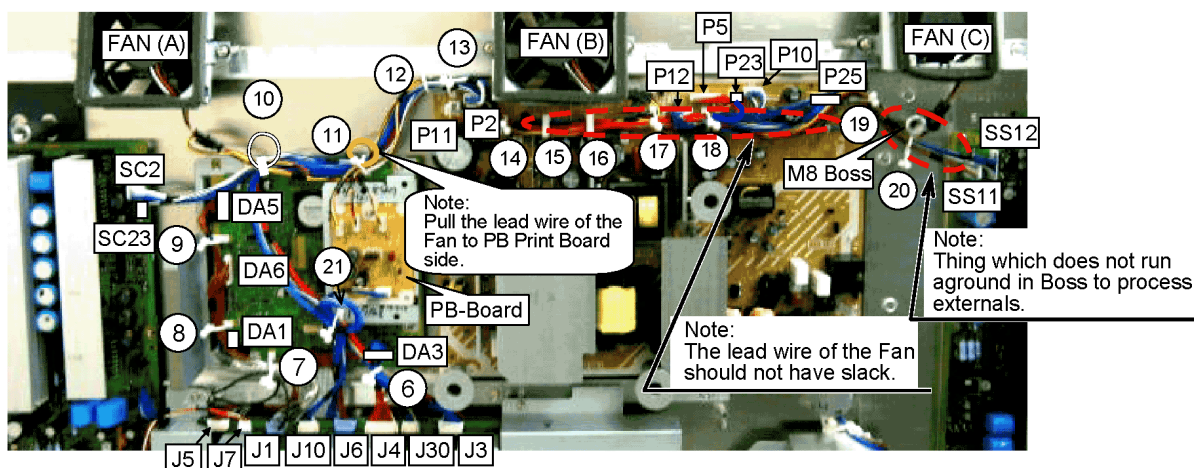


The lead wire is passes through the clamber twice.



7.2. Location of Lead wiring (2)

The lead wiring is dressed as shown in figure.

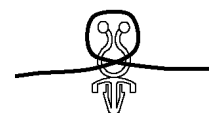


Note: With two earth leads thing to tighten both Slot Block.

Clamp position

CON:No - CON:No	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑
SC2 - P2					⊙	⊙	⊙									
SC23 - P23					⊙	⊙	⊙		⊙	⊙	⊙	⊙	⊙	⊙		
SS12 - P12														⊙	⊙	⊙
SS11 - P11														⊙	⊙	⊙
P25 - D25					⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
P10 - J10					⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
P5 - J4	⊙				⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
DA5 - D5	⊙	⊙	⊙	⊙												
DA6 - J5		⊙	⊙													
DA6 - J6		⊙	⊙													
DA1 - J1		⊙														
DA1 - earth lead		⊙														
J1 - earth lead		⊙														
DA3 - J3	⊙															
J30 - PB30	⊙															⊙
FAN(A) - PB31					⊙	⊙										
FAN(B) - PB33					⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
FAN(C) - PB35					⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

㉑ : Wire clamping as follows

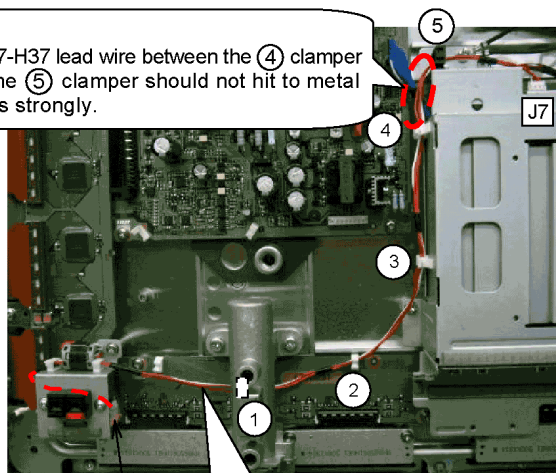


7.3. Location of Lead wiring (3)

The lead wiring is dressed as shown in figure.

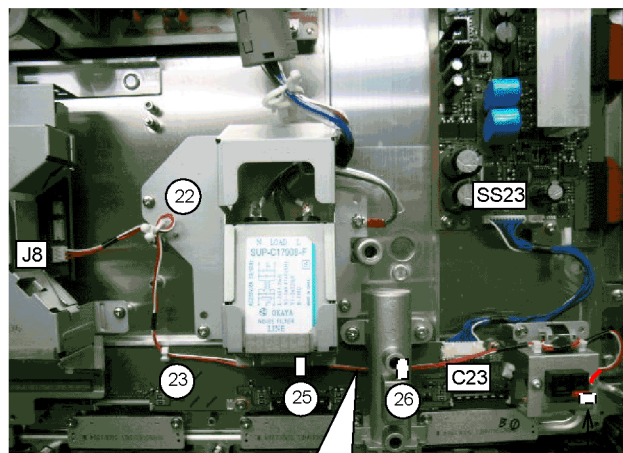
Note:

The J7-H37 lead wire between the (4) clamber and the (5) clamber should not hit to metal fittings strongly.



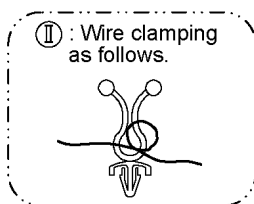
H37 (Right)

This Lead wire should let the bottom of it pass after attaching the Stand Block.



H37 (Left)

This Lead wire should let the bottom of it pass after attaching the Stand Block.

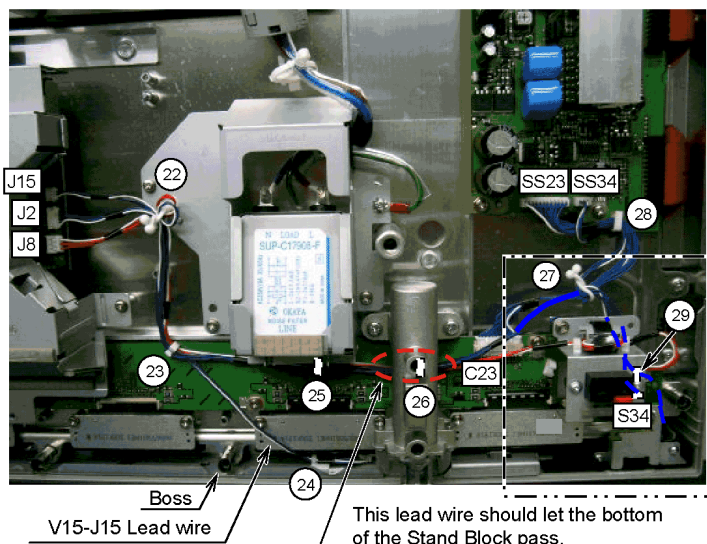


Clamp position

CON:No - CON:No	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
J7 - H37(Right)	○	○	○	○	○					
J8 - H37(Left)						II	○		○	○
C23 - SS23	No clamp treatment									

7.4. Location of Lead Wiring (4)

The lead wiring is dressed as shown in figure.



Note:

Don't slacken.

This lead wire should pass the upper side of the Data Driver.

Thing which does not run aground in Boss to process externals.

Prevent from touching the flexible cable of the side.

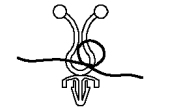
Clamp position

CON:No - CON:No	②②	②③	②④	②⑤	②⑥	②⑦	②⑧	②⑨
V15 (V2 Print Board) - J5	II	○	○					
V2 (V1 Print Board) - J2	II	○		○	○	○		○
SS23 - C23							○	○
SS34 - S34							○	○

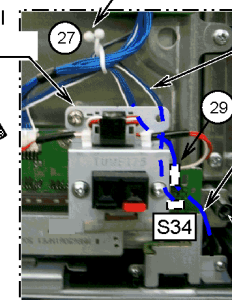
Note:

It clamps by the aluminum chassis side so that lead wire should not hit the SP metal fittings.

II : Wire clamping as follows



SP metal fittings



SS34-S34 Lead wire

V2-J2 Lead wire

Note:
Don't hit to metal fittings strongly.
Thing which does not run aground in Boss to process externals.

Boss

8 Adjustment Procedure

8.1. Driver Set-up

8.1.1. Item / Preparation

1. Input a white signal to plasma video input.

Aging pattern: 0

2. Set the picture controls as follows.

Picture menu: Standard

Picture: +25

Aspect: Full

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 35V $\pm$ 4V.

8.1.2. Adjustments

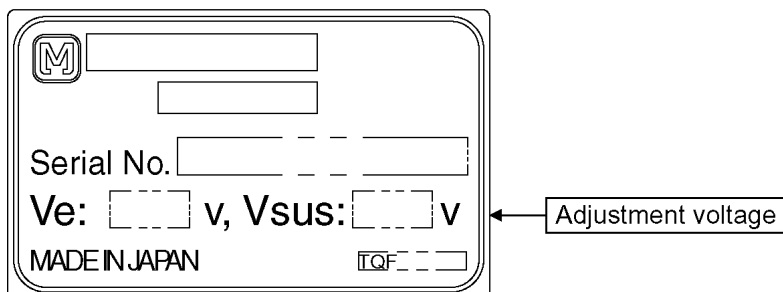
Adjust driver section voltages referring the panel data on the panel data label.

Check or adjust the following voltages with the multimeter.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	Vsus $\pm$ 2V	R628 (P)	*
Ve	TPVE (SS)	Ve $\pm$ 1V	VR6000 (SS)	*
Vset	TPVSET (SC)	260V $\pm$ 7V	Fixed	
Vad	TPVAD (SC)	-105V $\pm$ 1V	VR6600 (SC)	
Vscn	TPVSCN (SC)	Vad+140V $\pm$ 4V	Fixed	
Vda	TPVDA (SS)	75V $\pm$ 1V	Fixed	
Vdat	P12-1, 5 (P)	75.5V $\pm$ 0.1V	R665 (P)	
PFC	C446 (+)(-)	396V $\pm$ 0.5V	R443 (P)	

*See the Panel label.

Panel Label information

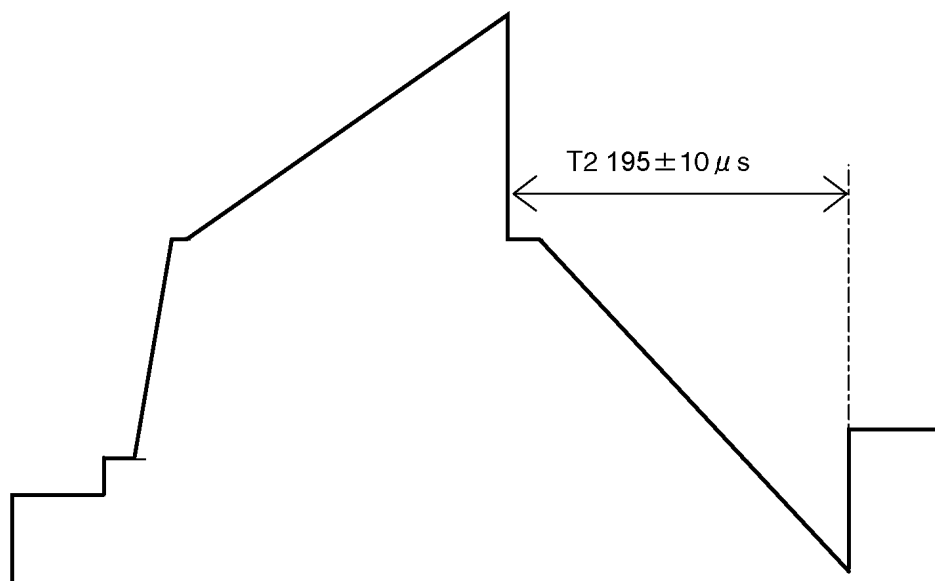


8.2. Initialization Pulse Adjust

1. Input the White signal to plasma video input.
2. Set the picture controls as follows.
Picture menu: Standard
Picture: +25
Aspect: Full
3. Connect Oscilloscope to TPSC1 (T2) and adjust VR6602 for $195 \pm 10 \mu\text{Sec}$.

	Test point	Volume	Level
T2	TPSC1 (SC)	VR6602 (SC)	$195 \pm 10 \mu\text{Sec}$

TPSC1



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

8.3.1. Caution

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

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

Adjust the following voltages with the multimeter.

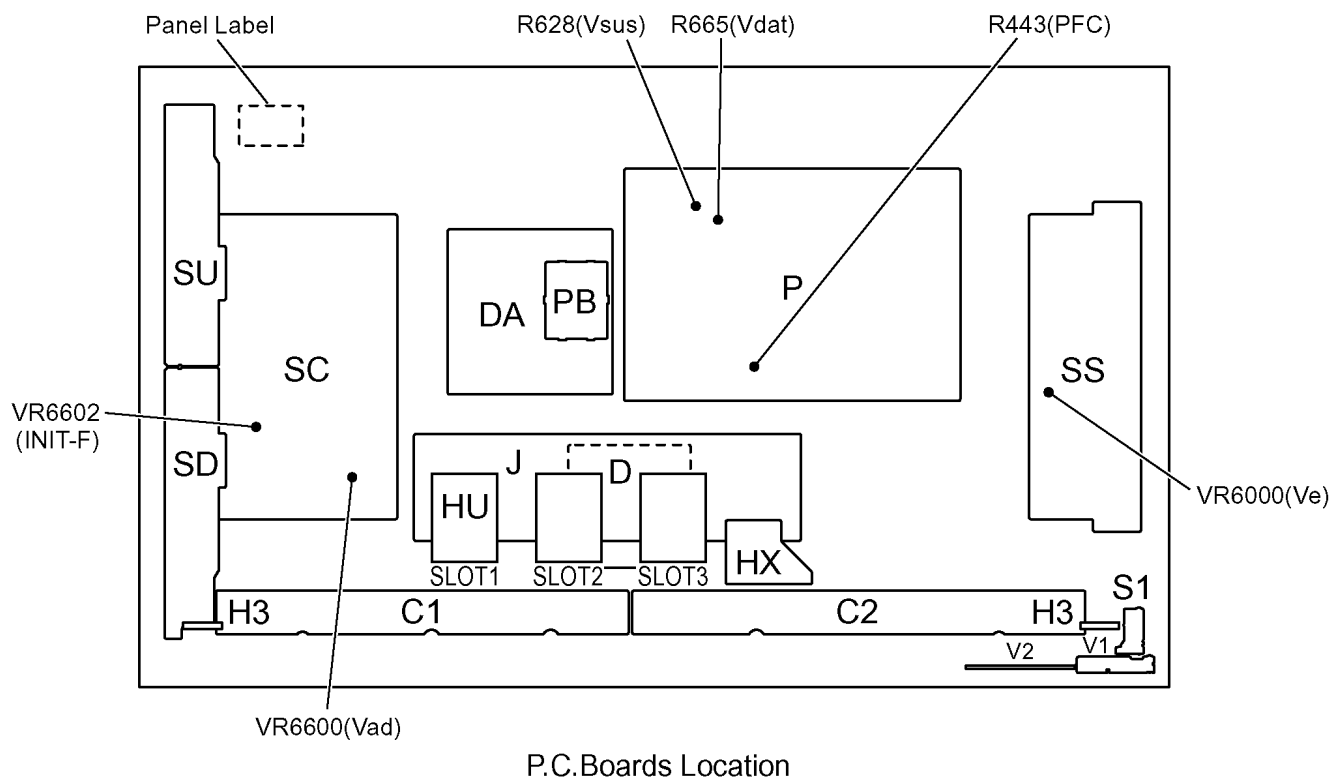
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS (SS)	$V_{\text{sus}} \pm 2\text{V}$	R628 (P)	*
	Vdat	P12-1, 5 (P)	$75.5\text{V} \pm 0.1\text{V}$	R665 (P)	
	PFC	C446 (+) (-) (P)	$396\text{V} \pm 0.5\text{V}$	R443 (P)	
SC Board	Vad	TPVAD (SC)	$-105\text{V} \pm 1\text{V}$	VR6600 (SC)	
SS Board	Ve	TPVE (SS)	$V_e \pm 1\text{V}$	VR6000 (SS)	*
D, J, DA Board	White balance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals				
DA Board	Set Market Select Number to correct destination by MS mode. (See chap. 9.1.4)				

*See the Panel label.

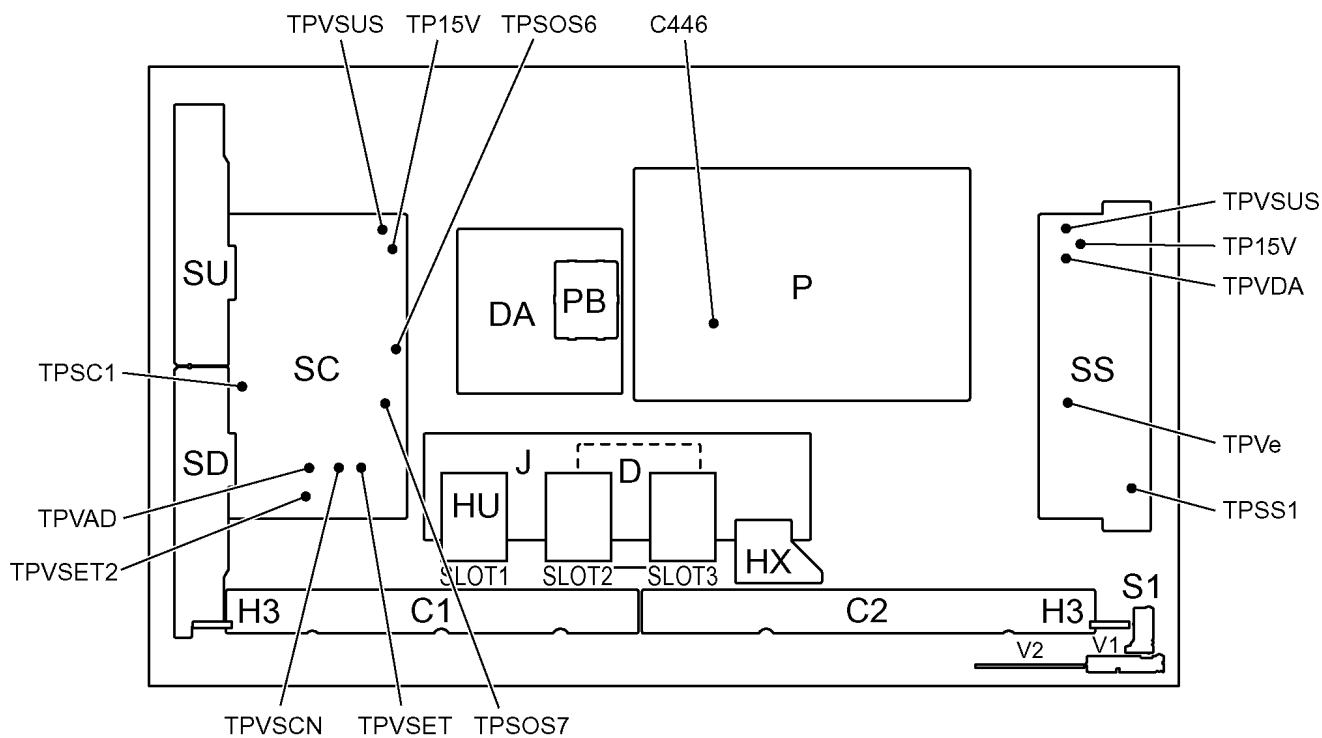
Caution:

Absolutely do not reduce V_{sus} below V_e not to damage the P.C.B.

8.4. Adjustment Volume Location



8.5. Test Point Location



9 Service mode

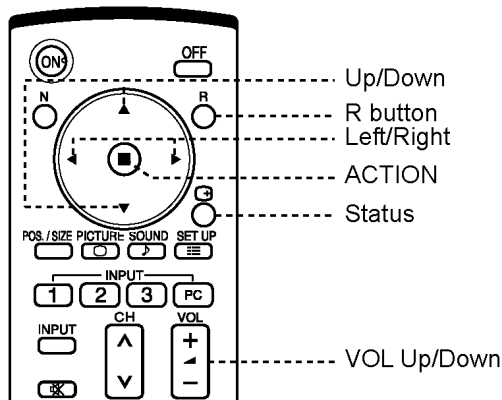
9.1. CAT (computer Aided Test) mode

CAT mode menu

CAT panel sys. 8. 2		
IIC Mode	←	
CD Mode	←	
SD Mode	←	
MS Mode	←	
ID Mode	←	

Mode	Function	Access button
IIC	Service Alignment	Action
CD(Complete Diagnostics)	Software version information EEPROM edit	Mute more than 5 seconds
SD(Status Display)	MTBF parameter	Action
MS Mode	Market Select	Mute more than 5 seconds
ID Mode	LSI Check	Mute more than 5 seconds

Remote control



How to access the CAT mode.

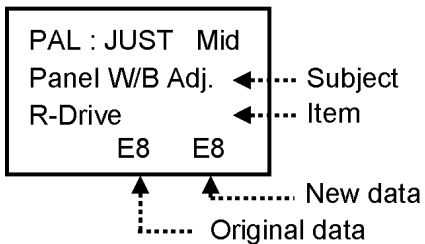
Press and the hold the **Volume down / - button** on the front panel of the unit and press the **status button** on the remote control 3 times quickly within 2 seconds, this will place the unit into the CAT mode.

To exit the **CAT mode**, access the **ID mode** and switch off the main power.

9.1.1. IIC mode

Select the IIC mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Action button** on the remote control.

OSD



How to use the IIC mode.

1. Select the alignment **Subject** by **Up/Down buttons** on the remote control.
2. Select the alignment **Item** by **Left/Right buttons** on the remote control.
3. Adjust **optimum setting** by **Volume Up/Down buttons** on the remote control.
4. The **data is memorized** when press the **R button** on the remote control or change the alignment Subject (or Items).

Subject and item are mentioned on "IIC mode structure".

To exit the IIC mode, press the **R button** on the remote control.

9.1.2. CD mode

Select the CD mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Mute button** on the remote control more than 5 seconds.

CD			
MONITOR-MCU	PM0. 3000S9	OK	← Factory use
MONITOR-EEPROM DA	0. 20 1	86 66	
MONITOR-EEPROM H	— —	— —	
MONITOR-FPGA	200		
MONITOR-EEPROM Change Addr	00	01	
	Data 01	01	← New data
PANEL-MCU	1 08		
PANEL-EEPROM	10 01		
PANEL-FPGA	11 00		
PANEL-PDROM	10 09		
PTCT	00. 00. 00. 00.		← SOS history
			← Original data

Micom software version (IC9702), this version can be upgrade by

1. replace of new version IC
2. Loading the new version software from loader tool, TZSC07036.

Memory data change

Address	0	0	← Change by Up/Down buttons on the remote control.
	↑		Change by Left/Right buttons on the remote control.
Data	0	0	← Change by VOL Up/Down buttons on the remote control.

The data is memorized when switch off the main power.

To exit the CD mode, press the **R button** on the remote control.

9.1.3. SD mode

Select the SD mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Action button** on the remote control.

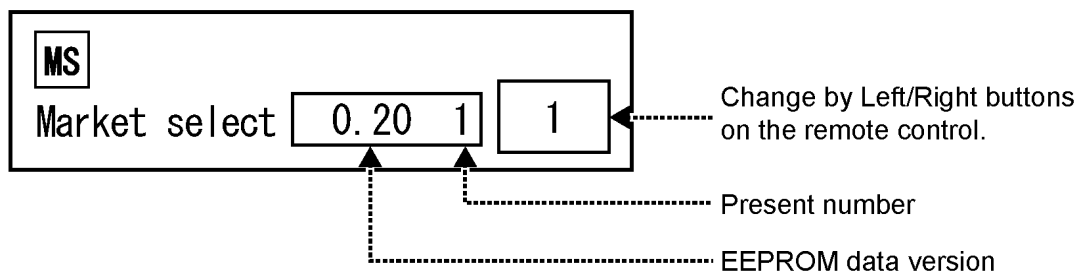
OSD

SD		
Input command	66 66 39 FF 27 24 24	
check	24 24 24 24 24 66 66	← History of remote control command. (Factory use).
	66 66 66 66 66 66	
MTBF Parameter	WT 19	PT 6
		← Cumulative Time for power on condition. (unit :hour)
Remote Control Mode	A	B
		← Counter of power on. (unit :time)

To exit the SD mode, press the **R button** on the remote control.

9.1.4. MS mode

Select the MS mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Mute button** on the remote control more than 5 seconds.



To exit the MS mode, press the **R button** on the remote control.

Caution:

Market Select should be set after exchange of DA-Board.

Destination number

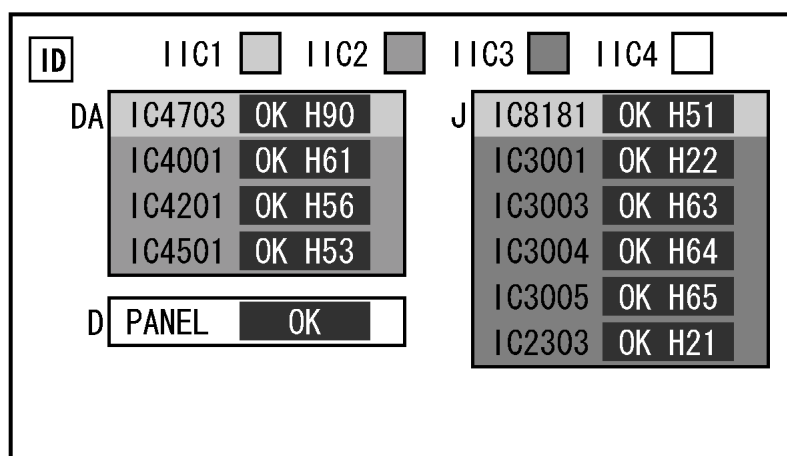
Number	Destination	Number	Destination
0	Japan	14	Thailand (Hotel)
1	North America	15	--
2	Europe	16	Mexico
3	Others	17	Mexico (Hotel)
4	Britain	18	China
5	Taiwan	19	China (Hotel)
6	Thailand	20	--
7	--	21	--
8	Japan (Hotel)	22	--
9	North America (Hotel)	23	--
10	Europe (Hotel)	24	--
11	Others (Hotel)	25	--
12	Britain (Hotel)	26	--

Default setting

Number	Destination
1	North America

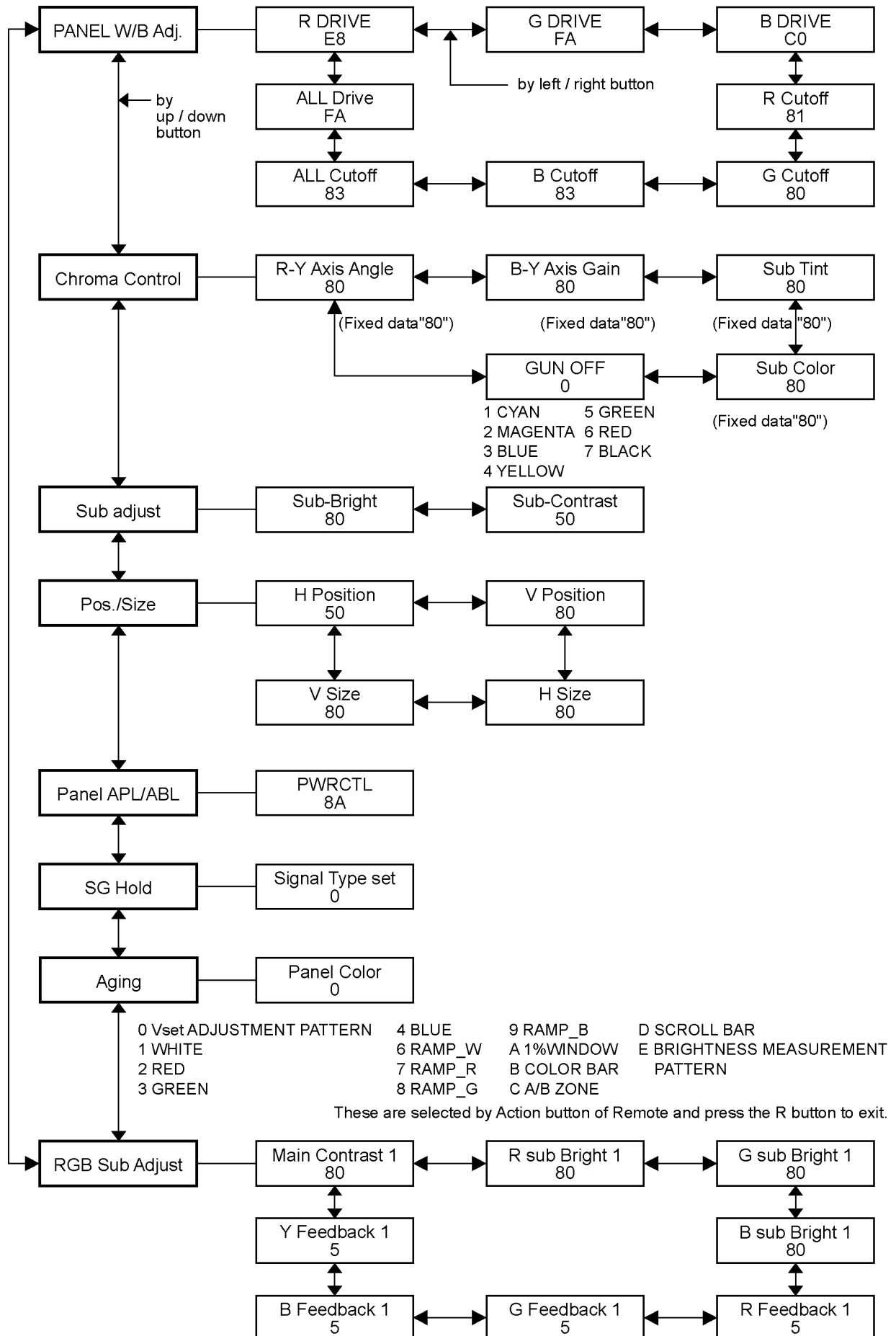
9.1.5. ID mode

Select the ID mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Mute button** on the remote control more than 5 seconds.



To exit the ID mode, press the **R button** on the remote control.

9.2. IIC mode structure (following items value is sample data.)



10 Adjustment

10.1. RGB white balance adjustment

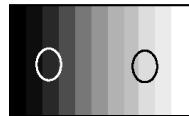
Instrument Name	Connection	Remarks												
• RGB VGA W/B pattern • Color analyzer (Minolta CA-100 or equivalent)	PC input Panel surface	User setting: Normal (Picture menu: Standard)												
Procedure		Remarks												
• Ensure aging is adequate. • Make sure the front panel to be used on the final set is fitted. • Make sure a color signal is not being shown before adjustment. • Put the color analyzer where there is little color variation. 1. Set COMPONENT/RGB-IN SELECT to RGB. 2. Select the IIC mode "PANEL W/B Adj." item. 3. Check that the color temperature is "COOL (High)". 4. Output a white balance pattern. 5. Touch the signal receiver of color analyzer to the highlight window's center. 6. Fix G drive at E0h and adjust B drive and R drive so x, y become the "Color temperature High" in the below table. 7. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. 8. Set color temperature to "NORMAL (Medium)". 9. Fix G drive at E0h and adjust B drive and R drive so the highlight window's x, y becomes the "Color temperature Medium" in the below table. 10. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. 11. Set color temperature to "WARM(Low)". 12. Set G drive to E0h and adjust B drive and R drive so the highlight window's x, y become the "Color temperature Low" shown in the below table. 13. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. 14. Copy the R drive, G drive and B drive data in NTSC, PAL DVI region. Table 1 W/B adjustment values <table border="1"> <thead> <tr> <th>Color temperature</th><th>x</th><th>y</th></tr> </thead> <tbody> <tr> <td>High</td><td>0.276</td><td>0.276</td></tr> <tr> <td>Medium</td><td>0.288</td><td>0.296</td></tr> <tr> <td>Low</td><td>0.313</td><td>0.329</td></tr> </tbody> </table> Adjustment target Hi-light: $x \pm 0.003$ $y \pm 0.003$ Hi-light is target of the number at drive adjustment in the hi-light windows. Therefore, it is not target of the hi-light number at after adjustment white balance.		Color temperature	x	y	High	0.276	0.276	Medium	0.288	0.296	Low	0.313	0.329	Picture Menu: Standard Picture: 25 Aspect: Full Position and size: Normal • Highlight section Signal amplitude 75% RGB VGA W/B Pattern  High light 75% Low light 15% • Cutoff standard G: 80h • Drive standard G: E0h
Color temperature	x	y												
High	0.276	0.276												
Medium	0.288	0.296												
Low	0.313	0.329												

Table 2 Drive data addresses (PC/RGB)

Color temperature	R	G	B
High	A0-11AD	A0-11AE	A0-11AF
Medium	A0-11B0	A0-11B1	A0-11B2
Low	A0-11B3	A0-11B4	A0-11B5

Table 3 Drive data addresses (NTSC)

Color temperature	R	G	B
High	A0-1180	A0-1181	A0-1182
Medium	A0-1183	A0-1184	A0-1185
Low	A0-1186	A0-1187	A0-1188

Table 4 Drive data addresses (PAL)

Color temperature	R	G	B
High	A0-1189	A0-118A	A0-118B
Medium	A0-118C	A0-118D	A0-118E
Low	A0-118F	A0-1190	A0-1191

Table 5 Drive data addresses (DVI)

Color temperature	R	G	B
High	A0-11B6	A0-11B7	A0-11B8
Medium	A0-11B9	A0-11BA	A0-11BB
Low	A0-11BC	A0-11BD	A0-11BE

10.2. HD white balance adjustment

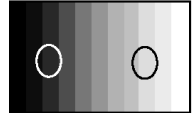
Instrument Name	Connection	Remarks												
• HD W/B pattern (COMPONENT Output) • Color analyzer (Minolta CA-100 or equivalent)	PC input Panel surface	User setting: Normal (Picture menu: Standard)												
Procedure		Remarks												
• Ensure aging is adequate. • Make sure the front panel to be used on the final set is fitted. • Make sure a color signal is not being shown before adjustment. • Put the color analyzer where there is little color variation. 1. Set COMPONENT/RGB-IN SELECT to COMPONENT 2. Select the IIC mode "PANEL W/B Adj." item. 3. Check that the color temperature is "COOL (High)". 4. Output a white balance pattern. 5. Touch the signal receiver of color analyzer to the highlight window's center. 6. Fix G drive at E0h and adjust B drive and R drive so x, y become the "Color temperature High" in the below table. 7. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. 8. Set color temperature to "NORMAL (Medium)". 9. Fix G drive at E0h and adjust B drive and R drive so the highlight window's x, y becomes the "Color temperature Medium" in the below table. 10. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. 11. Set color temperature to "WARM (Low)". 12. Set G drive to E0h and adjust B drive and R drive so the highlight window's x, y become the "Color temperature Low" shown in the below table. 13. Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. 14. Copy the R drive, G drive and B drive data in YUV1_525ip, YUV3_625ip region. Table 6 W/B adjustment values <table border="1"> <thead> <tr> <th>Color temperature</th><th>x</th><th>y</th></tr> </thead> <tbody> <tr> <td>High</td><td>0.276</td><td>0.276</td></tr> <tr> <td>Medium</td><td>0.288</td><td>0.296</td></tr> <tr> <td>Low</td><td>0.313</td><td>0.329</td></tr> </tbody> </table> Adjustment target Hi-light: $x \pm 0.003$ $y \pm 0.003$ Hi-light is target of the number at drive adjustment in the hi-light windows. Therefore, it is not target of the hi-light number at after adjustment white balance.		Color temperature	x	y	High	0.276	0.276	Medium	0.288	0.296	Low	0.313	0.329	Picture Menu: Standard Picture: 25 Aspect: Full Position and size: Normal • Highlight section Signal amplitude 75% HD W/B Pattern (COMPONENT Output)  High light 75% Low light 15% • Cutoff standard G: 80h • Drive standard G: E0h
Color temperature	x	y												
High	0.276	0.276												
Medium	0.288	0.296												
Low	0.313	0.329												

Table 7 Drive data addresses (YUV2_HD)

Color temperature	R	G	B
High	A0-119B	A0-119C	A0-119D
Medium	A0-119E	A0-119F	A0-11A0
Low	A0-11A1	A0-11A2	A0-11A3

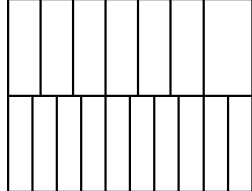
Table 8 Drive data addresses (YUV1_525ip)

Color temperature	R	G	B
High	A0-1192	A0-1193	A0-1194
Medium	A0-1195	A0-1196	A0-1197
Low	A0-1198	A0-1199	A0-119A

Table 9 Drive data addresses (YUV3_625ip)

Color temperature	R	G	B
High	A0-11A4	A0-11A5	A0-11A6
Medium	A0-11A7	A0-11A8	A0-11A9
Low	A0-11AA	A0-11AB	A0-11AC

10.3. Power control adjustment

Instrument Name	Connection	Remarks
- PC (RGB) signal generator (Leader: VGA/No.9 signal) - Wattmeter	- PC input - Connect the AC power of the adjustment set to the wattmeter.	Set "RGB" at 'COMPONENT/RGB-IN SELECT' in Setup Menu.
Procedure		Remarks
[condition] - Make sure the set is aged for 30 minutes or more before adjustment. - Voltage 120V 50/60Hz (variation within 1%) - Volume at minimum and screen size at full - PC input and picture menu at normalized Dynamic - Connect the set's AC power to the wattmeter. - Receive the VGA No.9 signal from Leader. - Select the PWRCTL item in Panel APL/ABL in the IIC mode. - Adjust PWRCTL so the set's power consumption is description below. Adjust to shift large to small for DAC. Factory adjustment with OSD 42" 210+5/-12W BUSCON without OSD 42" 287+5/-12W		 No.9 Signal Top half: Full color bar Bottom half: Horizontal 10 steps bar Notes: - When passing through factory adjustment mode, the power few watts which goes down is the consideration being completed. - Adjust the large number for DAC when they have 2 adjustment points.

11 Troubleshooting guide

11.1. Self Check

11.1.1. Display Indication

1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display.
2. To get into the Self-check mode, press the **volume down** button on the customer controls at the bottom of the set, at the same time pressing the **OFF-TIMER** button on the remote control, and the screen will show:-

If the CCU ports have been checked and found to be incorrect Or not located then " - - " will appear in place of " OK "

" 01 " in the line of the " PTCT " means the number of blinks of the Power LED is 1. (Reference to 11.1.2)

" H09 " in the line of the " PTCT " is the error code.

Note:

The line of the " PTCT " displays when you get into the Self-check mode for the first time only after the Power LED blinks.

ID	IIC1	IIC2	IIC3	IIC4	
DA	IC4703	OK H90	J	IC8181	OK H51
	IC4001	OK H61		IC3001	OK H22
	IC4201	OK H56		IC3003	OK H63
	IC4501	OK H53		IC3004	OK H64
D	PANEL	OK		IC3005	OK H65
				IC2303	OK H21
	PTCT	01 H09			

11.1.2. Power LED Blinking timing chart

1. Subject

Information of LED Blinking 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	Check point
1		No particular check point	—
2		15V SOS	P-Board
3		3.3V SOS	D-Board DA-Board
4		POWER SOS	P-Board
5		5V SOS	P-Board D-Board DA-Board
6		Driver SOS1	SC-Board
7		Driver SOS2	SC-Board SU-Board SD-Board
8		Driver SOS3	SS-Board
9		Panel Config SOS	D-Board
10		Terminal Board SOS	Terminal Board
13		FAN SOS	PB-Board FAN

3. Remarks

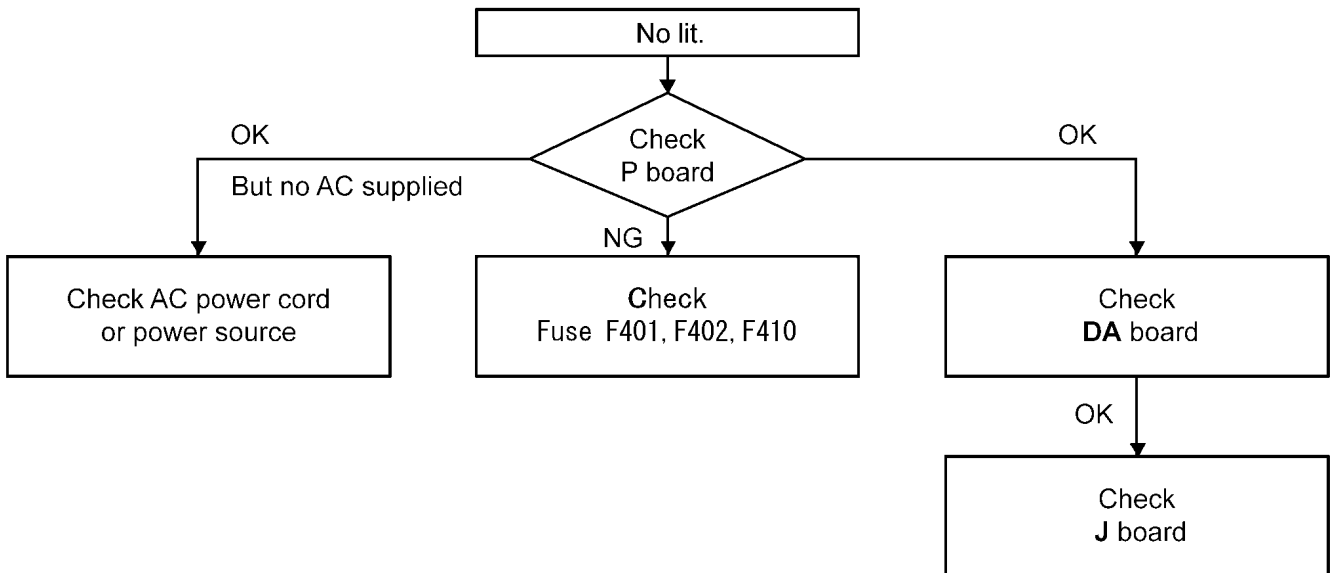
Above Fan function is operated during the fans are installed.

11.2. No Power

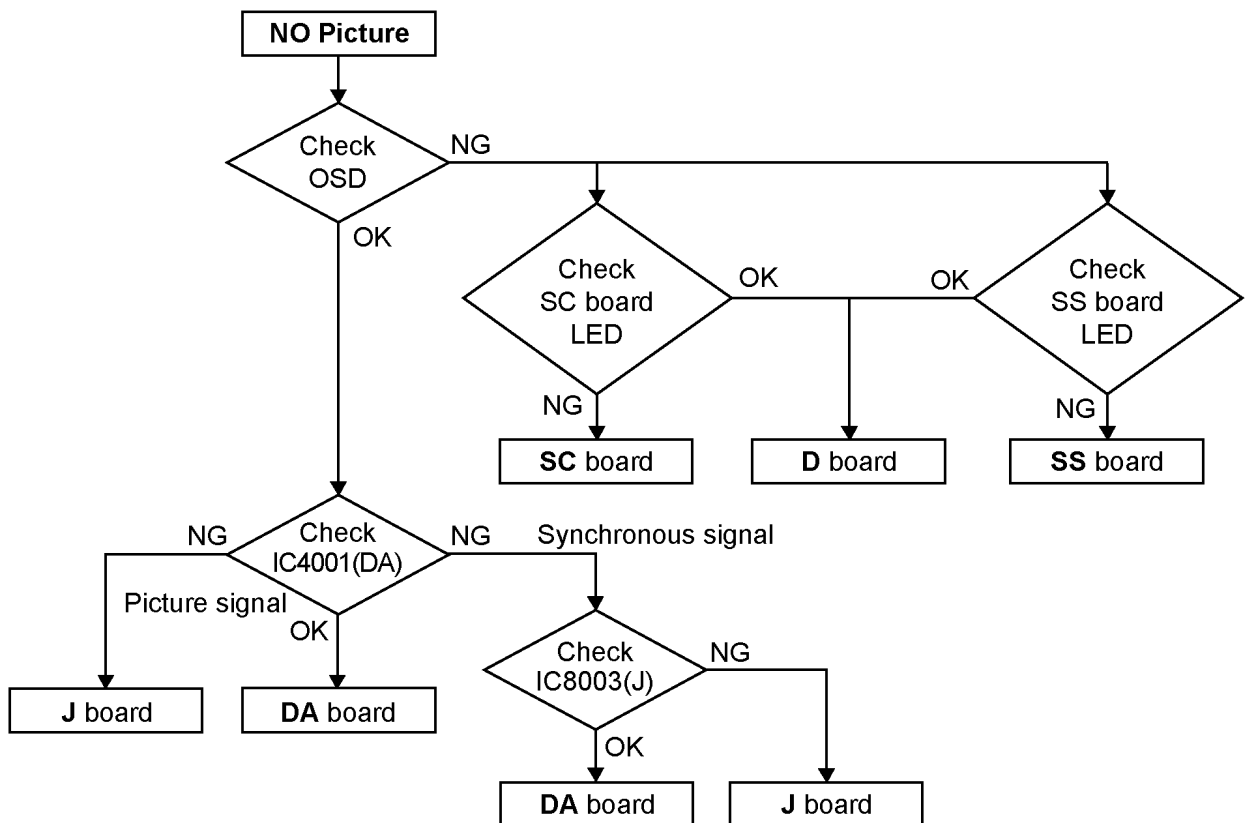
First check point

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

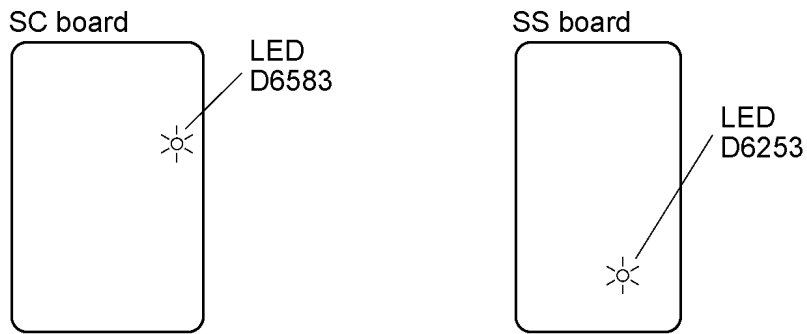
1. No lit.
2. Green is lit then turns red blinking a few seconds later.
3. Only red is lit.



11.3. No Picture

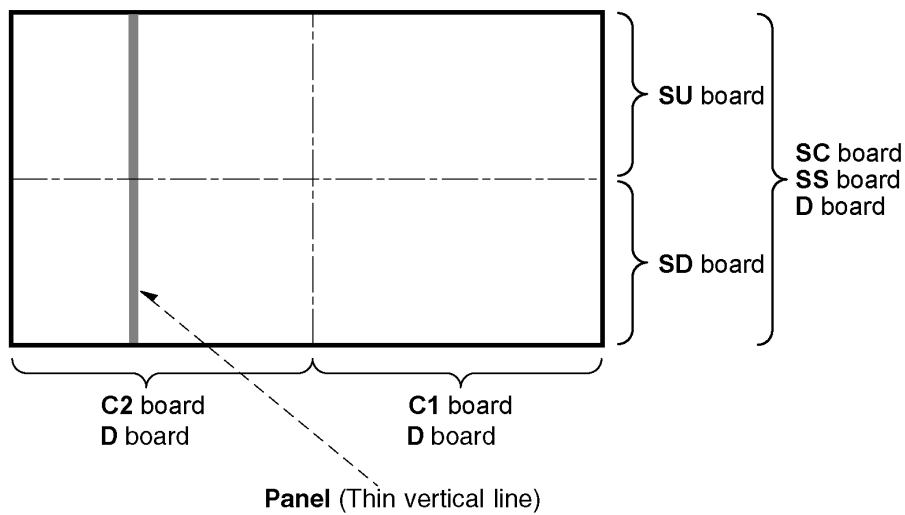


Drive circuits LED indicator



11.4. 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.



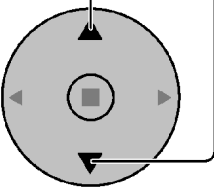
<Local screen failure chart>

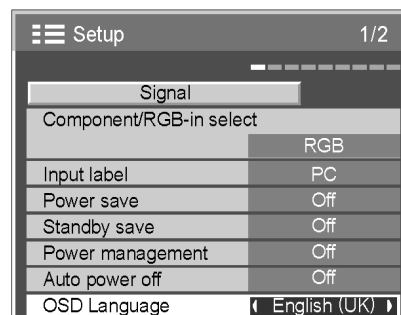
Fig - 1

12 Option Setting

How to access the Option menu

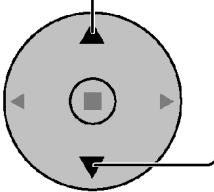
1  Press to display the Setup menu.

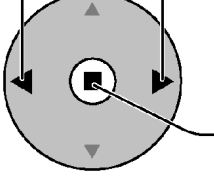
2  Press to select "OSD Language".



3  Press and hold until the Options menu is displayed.

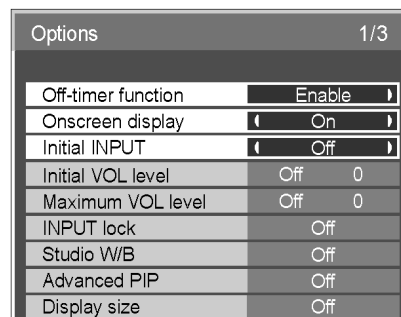
Setting the Option menus

1  Press to select your preferred menu.

2  Press to adjust the menu.

Press to confirm.

3  Press to exit from Options menu.



Option Menu for GPH9D series

GPH9D chassis series have special function and operation setting facility called Option Menu. This Option Menu is useful for special function required customers. This should be set at the installation stage.

Option menus	default setting	Contents
Off-timer function	Enable	Off-timer operation Enable/Disable.
Onscreen display	On	Enable/Disable to display input mode indication after power on and no signal indication.
Initial INPUT	Off	Sets the initial input mode when the power is turned on. Allow input mode selection while power is on.
Initial VOL level	Off	Sets the initial volume level when the power is turned on. Allow Volume control while power is on.
Maximum VOL Level	Off	Sets the maximum volume to desired level. Volume cannot exceed this level.
INPUT lock	Off	Fixes the input mode to AV, Component/RGB or PC. Can not change input mode by input selection key.
Studio W/B	Off	Set warm mode color temperature to 3,200 Kelvin.
Advanced PIP	Off	Off: Sets normal two screen display mode. On: Sets Advanced PIP mode.
Display size	Off	Adjusts the image display size on screen. On: Sets the image display size approximately 95% of the normal image display.
Button lock	Off	Enable/Disable bottom operation buttons (Input, Menu, Enter and/or volume up/down)
Remocon User Level	Off	Remote key invalidation. Off: Valid key is all key of remote. User1: Valid key are only Stand-by (ON/OFF), Input, Direct input, Status, Surround, Sound mute On/Off, and volume adjustment. User2: Valid key is only Stand-by (ON/OFF). User3: All keys are null and void
ID select	0	Set ID number from 0 to 100.
Remote ID	Off	Remote ID function On/Off. (While the Remote ID on, standard remote function can not control the unit.)
Serial ID	Off	Serial ID function On/Off
Slot power	Off	Sets the slot power mode while the power is turned on. Allow Optional Terminal Board insert Slots while power is on.
V. Installation	Off	V. Installation function On/Off (Not used)
Rotate	Off	The image rotates 180 degrees (up-down)
Serial Slot Select	Slot1	Selects the slot which communicates serial. Note: The setting of an external command can be set only from the fixed serial terminal.

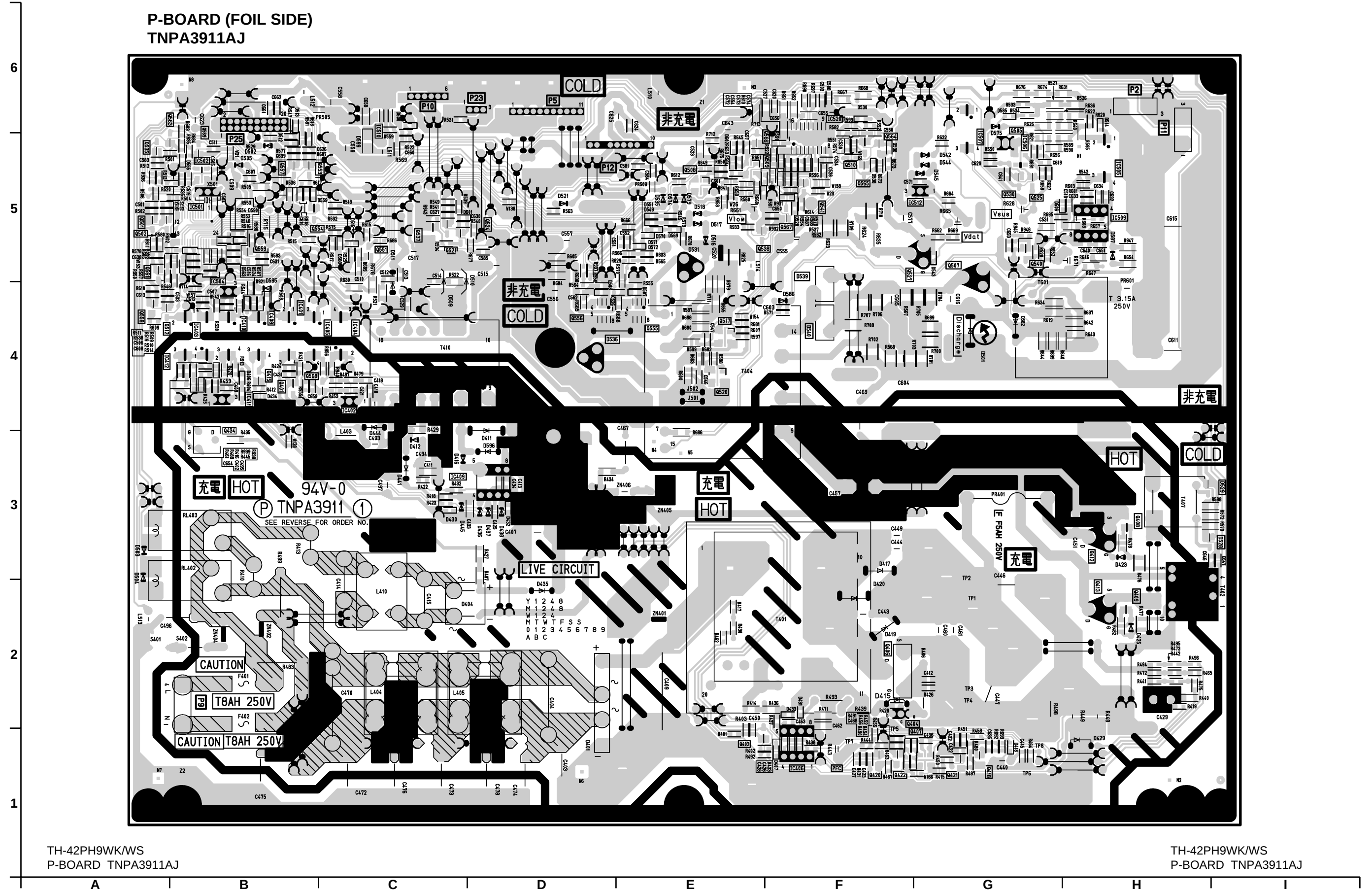
Note:

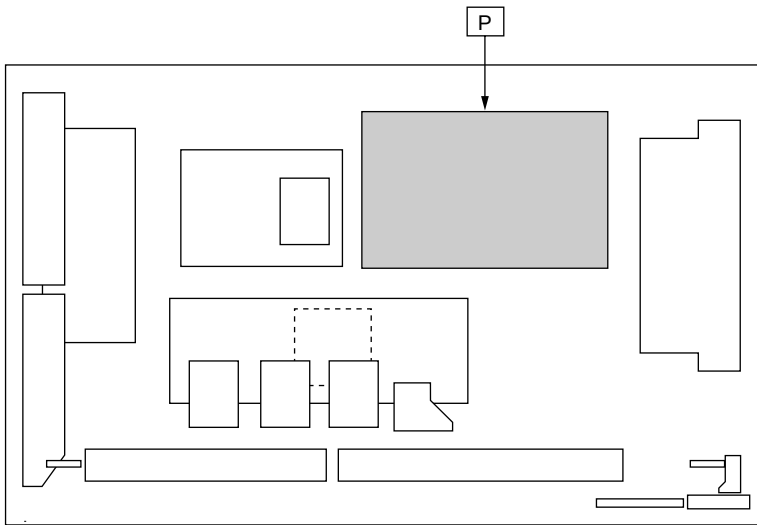
When both main unit buttons and remote control are disabled due to the "Button lock", "Remocon User level" or "RemoteID" adjustments, set all the values "Off" so that all the buttons are enabled again.

Press the "Volume down" button on main unit together with "R" button on the remote control and hold for more than 5 seconds. The "SHIPPING" menu is displayed and the lock is released when it disappears.

13 Conductor Views

13.1. P-Board





Parts Location

P-BOARD (FOIL SIDE)					
IC		TRANSISTOR			
IC401	B-4	Q401	B-4	Q535	A-5
IC402	C-4	Q402	E-1	Q537	C-5
IC403	B-4	Q404	F-1	Q538	E-5
IC404	C-4	Q406	F-2	Q540	G-5
IC405	C-4	Q407	F-1	Q541	F-5
IC406	F-1	Q408	H-3	Q551	C-5
IC408	B-4	Q409	H-2	Q553	B-5
IC409	C-3	Q412	H-3	Q554	B-5
IC410	B-4	Q413	H-2	Q555	E-4
IC411	B-4	Q415	B-4	Q556	D-4
IC412	A-4	Q418	G-1	Q557	B-5
IC501	B-5	Q420	F-1	Q558	A-4
IC502	B-5	Q421	G-1	Q559	B-5
IC504	B-4	Q422	F-1	Q561	A-5
IC505	H-5	Q434	B-4	Q563	A-6
IC506	G-5	Q501	A-5	Q564	F-6
IC507	G-6	Q502	A-5	Q565	F-5
IC509	H-5	Q505	G-6	Q566	E-6
IC510	C-6	Q507	G-5	Q567	F-5
IC512	F-5	Q508	E-5	Q568	B-4
IC520	F-6	Q509	E-5	Q569	B-6
		Q510	F-5	VOLUME	
		Q512	A-4	R443	F-1
		Q517	E-4	R628	G-5
		Q520	E-4	R661	E-5
		Q521	C-5	R665	G-5
		Q524	D-5	R671	H-4
		Q525	G-5		
		Q527	F-5		
		Q530	G-5		

TH-42PH9WK/WS
P-BOARD PARTS LOCATION

Parts Location

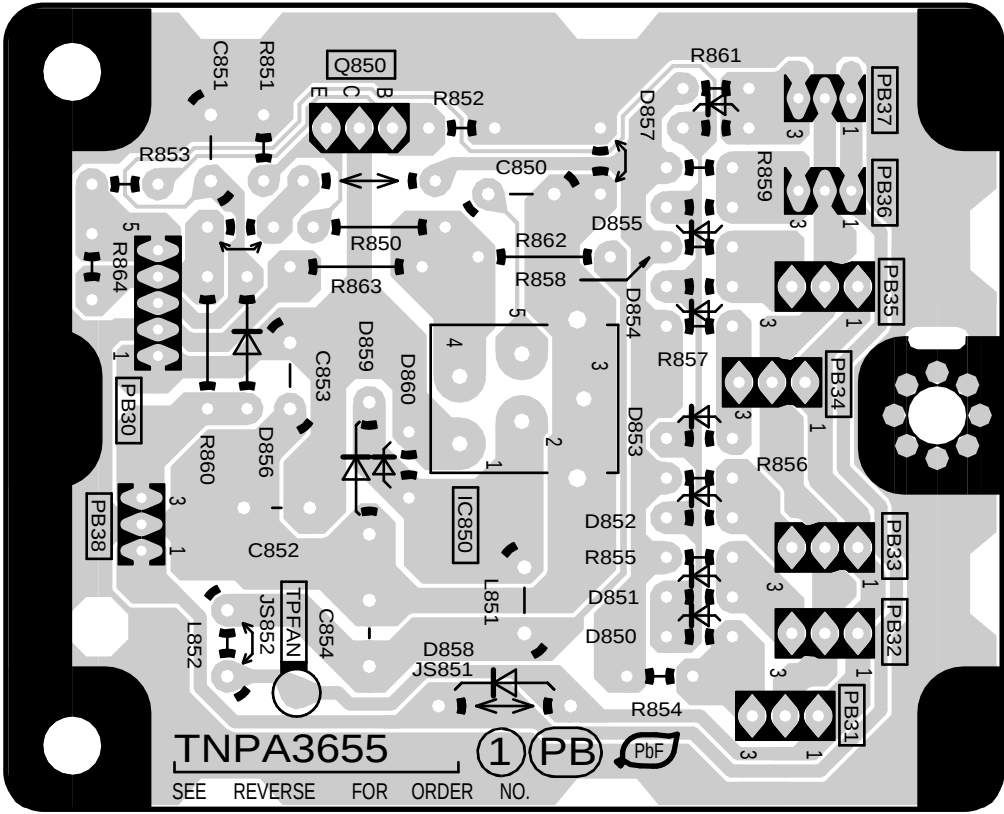
P-BOARD (COMPONENT SIDE)					
IC		TRANSITOR		VOLUME	
IC402	G-4	Q404	C-2	R443	D-1
IC406	D-1	Q406	D-2	R628	C-5
IC409	F-3	Q412	B-3	R661	D-5
IC411	H-4	Q413	B-2	R665	C-5
IC504	H-4	Q434	H-3	R671	B-5
IC509	B-5	Q505	C-5		
IC512	C-5	Q507	C-5		
		Q527	C-5		

TH-42PH9WK/WS
P-BOARD PARTS LOCATION

13.2. PB-Board

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PB-BOARD (FOIL SIDE)
TNPA3655AD

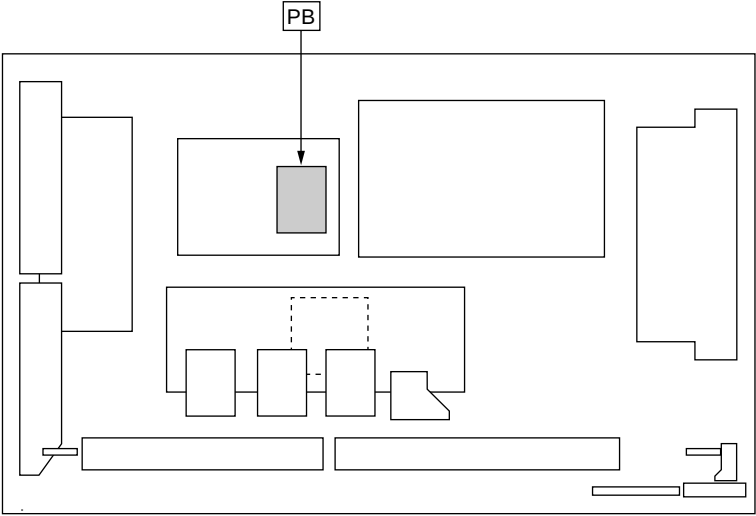


Parts Location

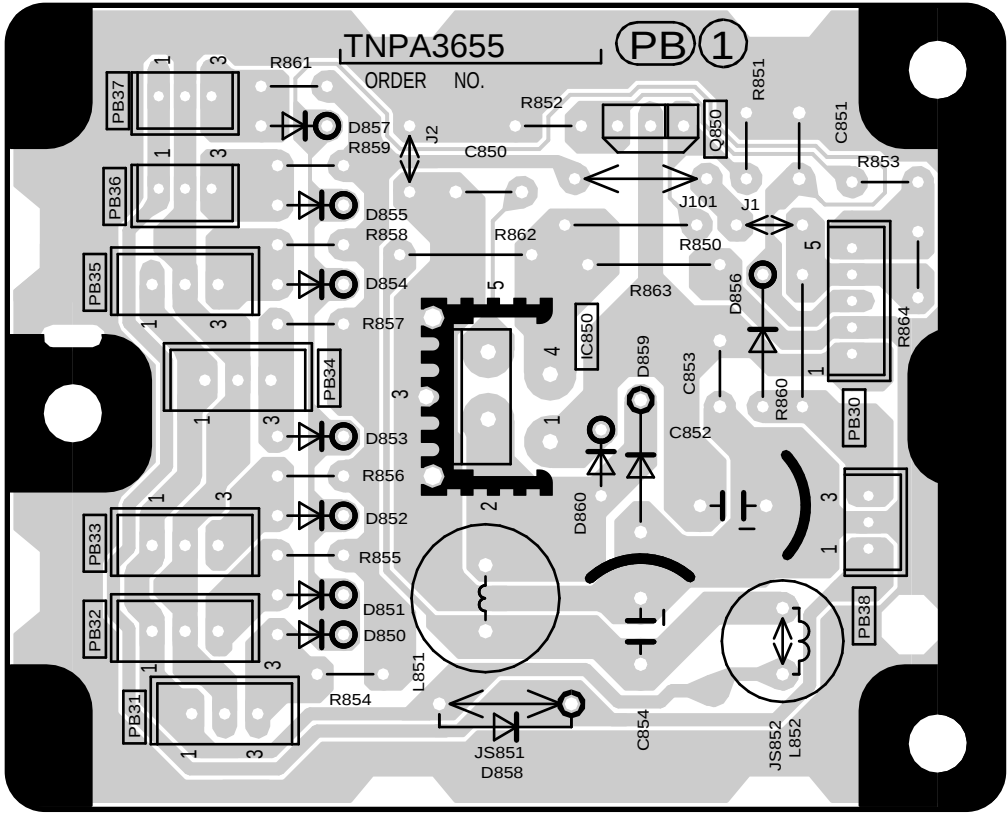
PB-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC850	C-2	Q850	B-3
		TP	
		TPFAN	B-2

Parts Location

PB-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC850	G-3	Q850	G-3

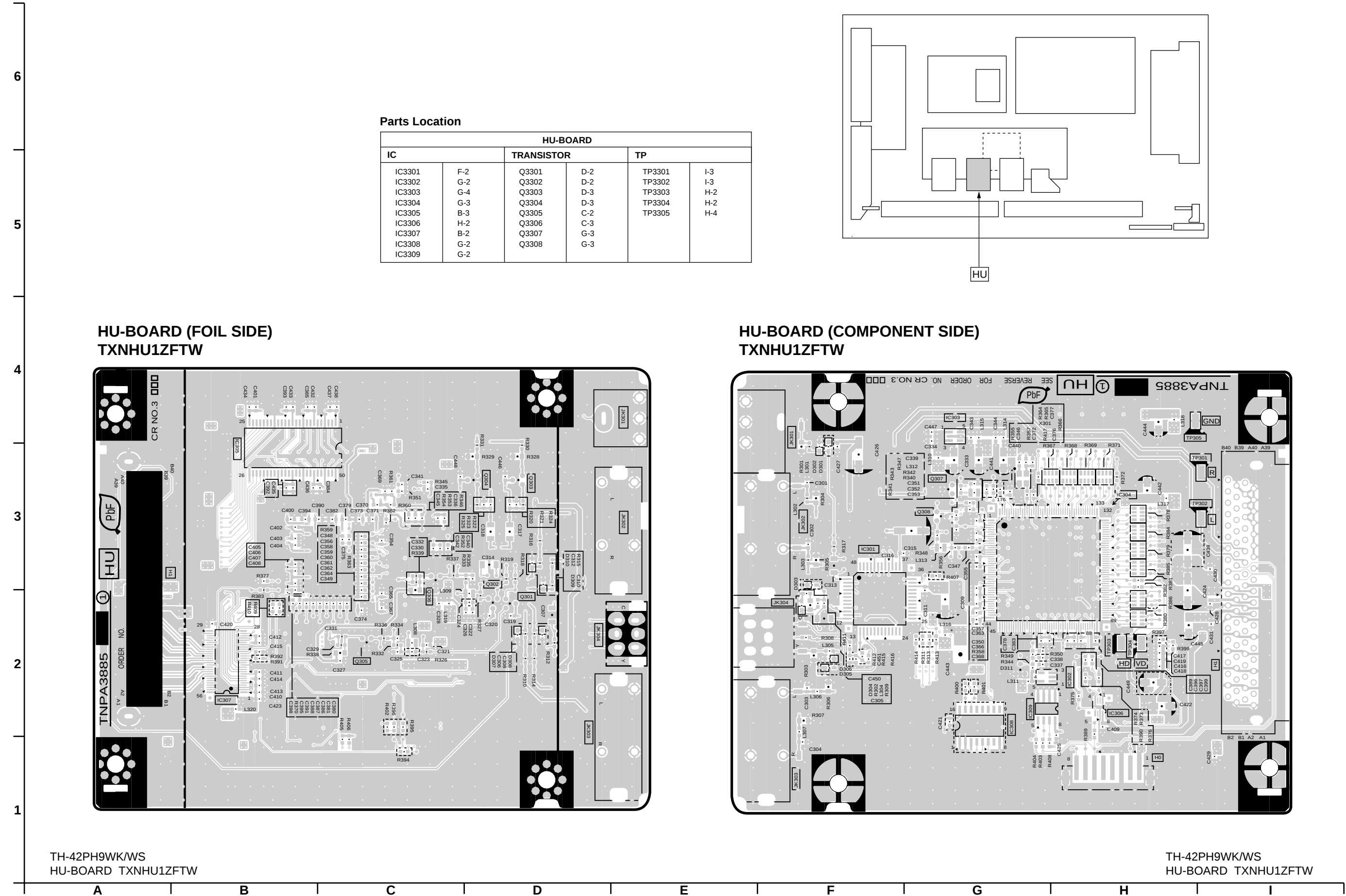


PB-BOARD (COMPONENT SIDE)
TNPA3655AD

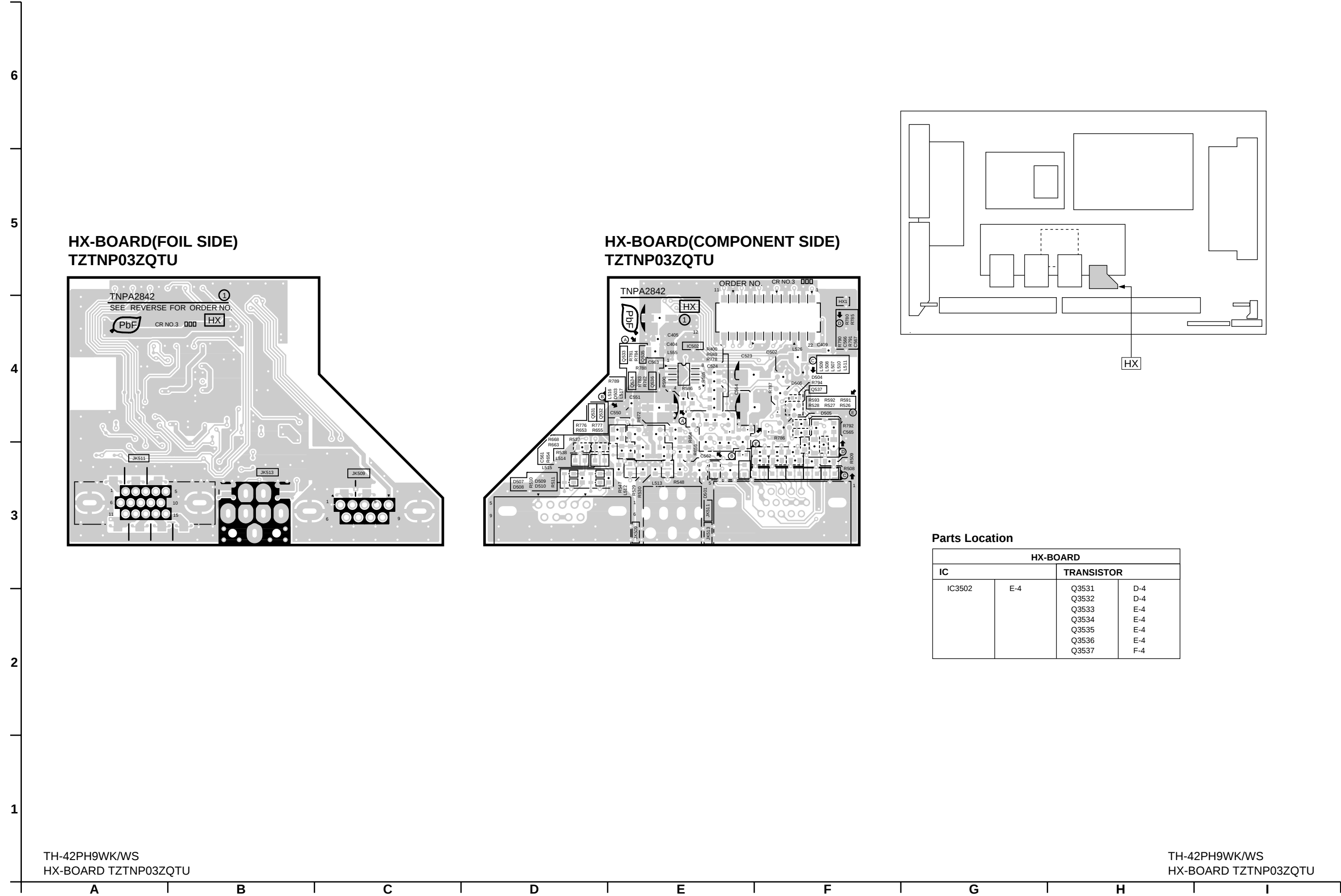


A B C D E F G H

13.3. HU-Board

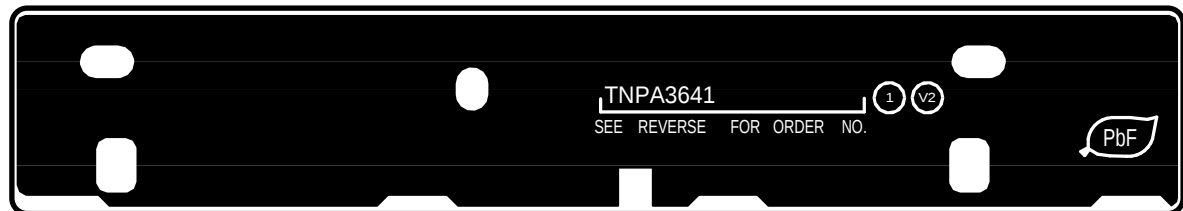


13.4. HX-Board

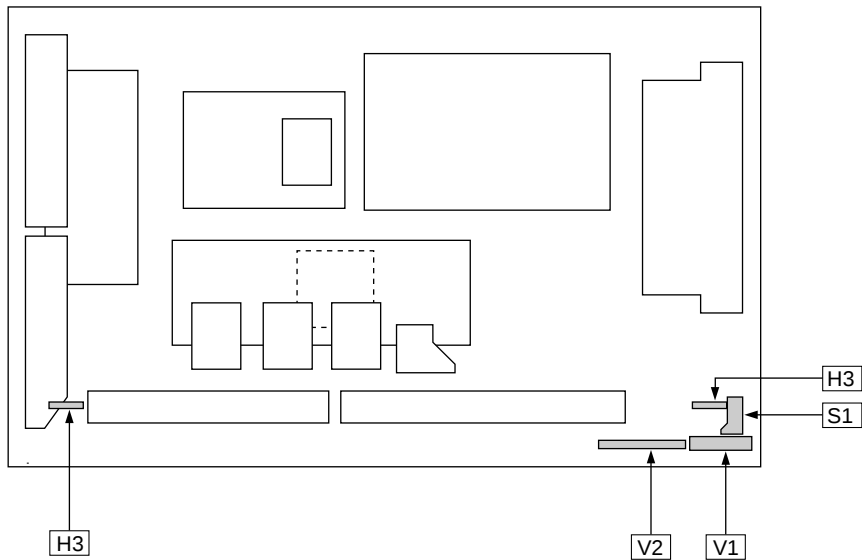
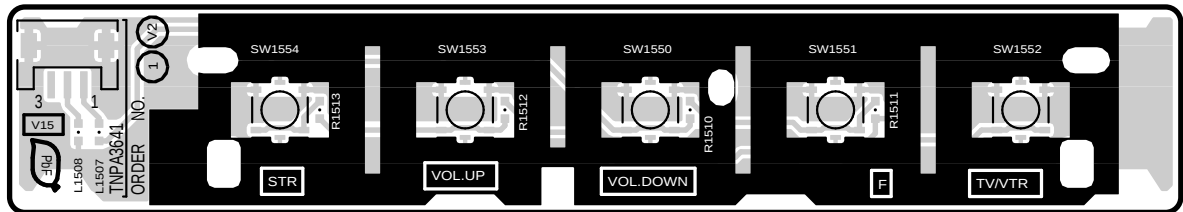


13.5. H3, S1, V1 and V2-Board

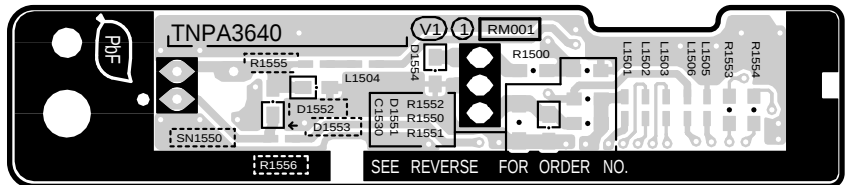
V2-BOARD(FOIL SIDE)
TNPA3641



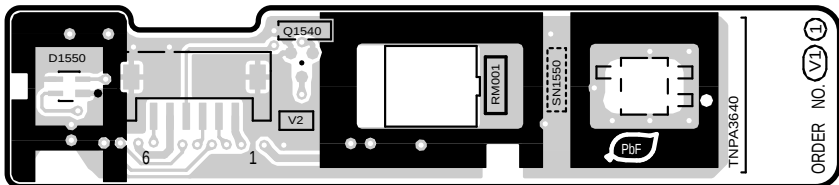
V2-BOARD(COMPONENT SIDE)
TNPA3641



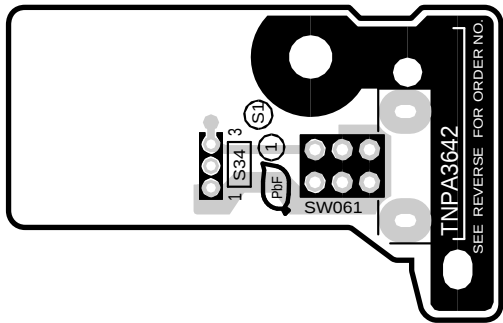
V1-BOARD(FOIL SIDE)
TNPA3640



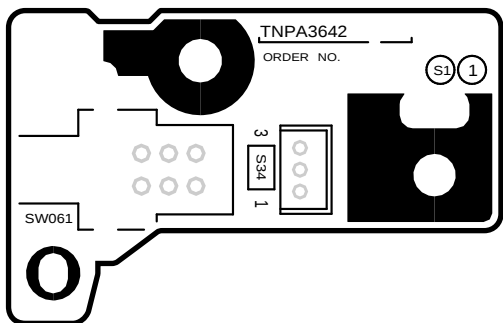
V1-BOARD(COMPONENT SIDE)
TNPA3640



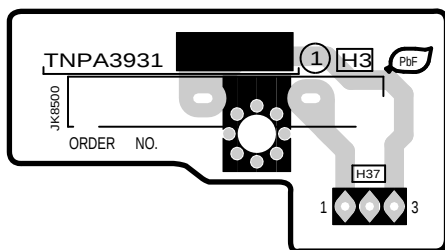
S1-BOARD(FOIL SIDE)
TNPA3642



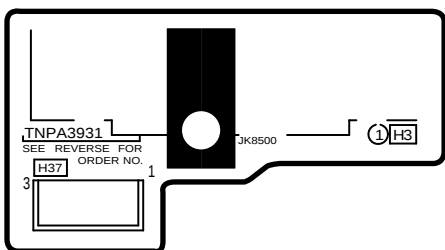
S1-BOARD(COMPONENT SIDE)
TNPA3642



H3-BOARD (FOIL SIDE)
TNPA3931



H3-BOARD (COMPONENT SIDE)
TNPA3931



TH-42PH9WK/WS
V2-BOARD TNPA3641 V1-BOARD TNPA3640
S1-BOARD TNPA3642 H3-BOARD TNPA3931

TH-42PH9WK/WS
V2-BOARD TNPA3641 V1-BOARD TNPA3640
S1-BOARD TNPA3642 H3-BOARD TNPA3931

13.6. J-Board

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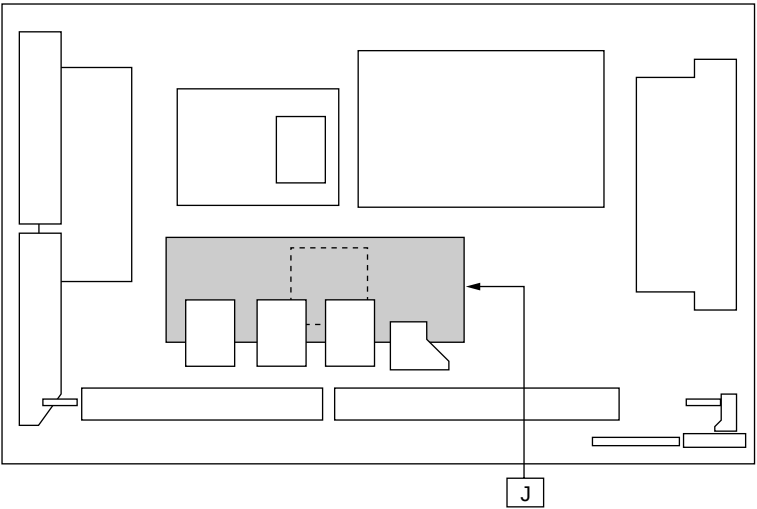
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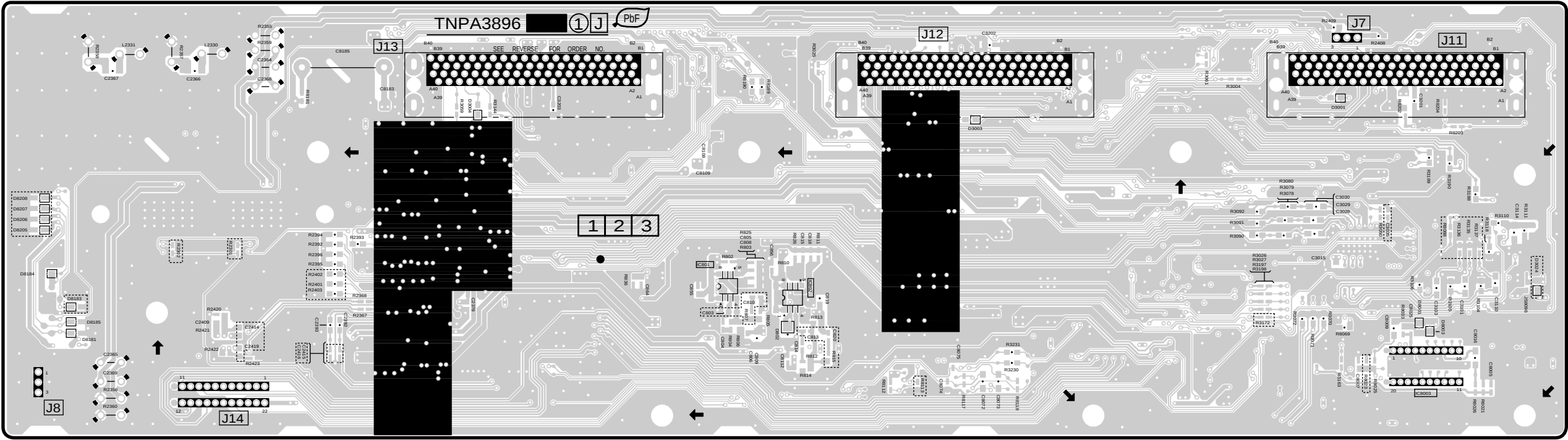
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A B C D E F G H I

Parts Location	
J-BOARD (FOIL SIDE)	
IC	
IC801	E-2
IC802	E-2
IC8003	I-1



J-BOARD (FOIL SIDE)
TNPA3896

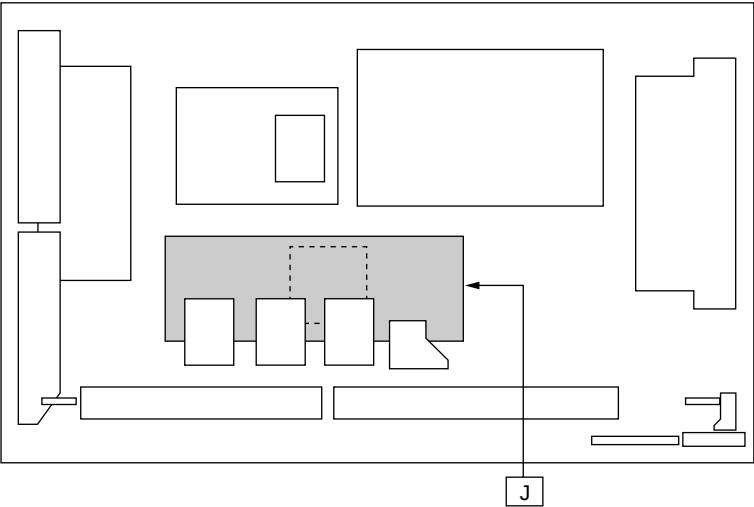


TH-42PH9WK/WS
J-BOARD TNPA3896

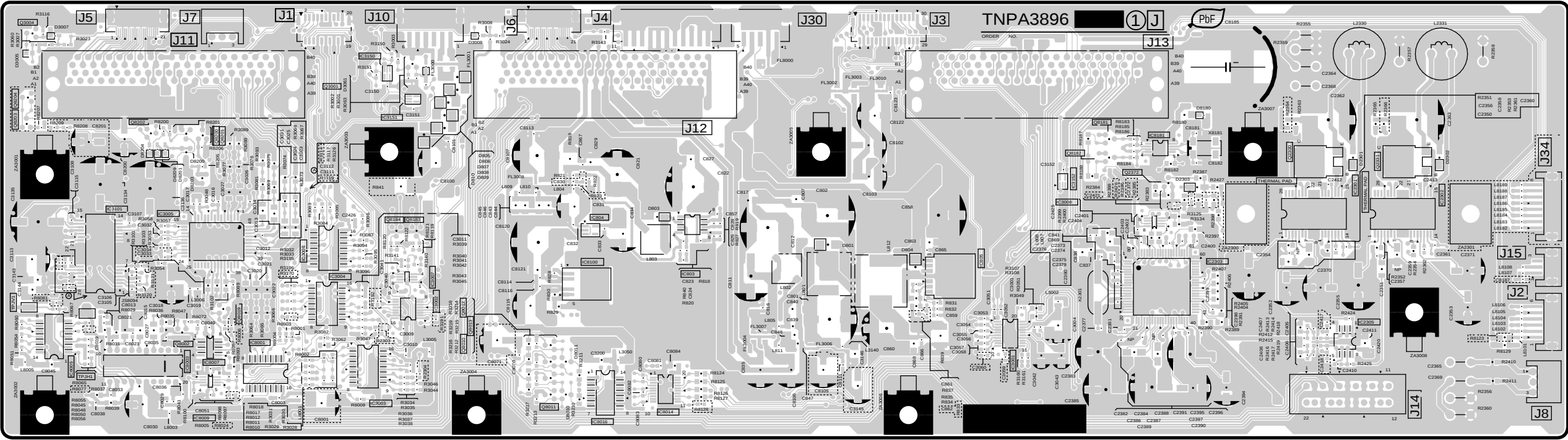
TH-42PH9WK/WS
J-BOARD TNPA3896

Parts Location

J-BOARD (COMPONENT SIDE)					
IC		TRANSISTOR		TP	
IC803	E-2	Q2300	H-2	TPJH1	A-2
IC804	D-2	Q2331	H-2	TPJV1	A-2
IC805	F-2	Q2372	G-2		
IC2301	H-2	Q3001	C-3		
IC2302	H-2	Q3004	A-3		
IC2303	G-2	Q8002	B-2		
IC2305	H-1	Q8010	D-1		
IC3001	F-1	Q8011	D-1		
IC3002	C-2	Q8012	D-1		
IC3003	C-1	Q8013	D-1		
IC3004	C-2	Q8019	B-2		
IC3005	B-2	Q8181	G-3		
IC3006	C-2	Q8182	G-2		
IC3007	C-2	Q8183	C-2		
IC3008	G-2	Q8184	C-2		
IC3101	A-2	Q8200	B-3		
IC3150	C-3	Q8201	B-3		
IC3151	C-3	Q8202	B-3		
IC3152	G-2	Q8203	A-3		
IC8001	B-1	Q8204	A-3		
IC8003	B-1				
IC8005	A-1				
IC8007	B-1				
IC8009	B-1				
IC8014	D-1				
IC8016	D-1				
IC8100	D-2				
IC8181	G-3				



J-BOARD (COMPONENT SIDE)
TNPA3896



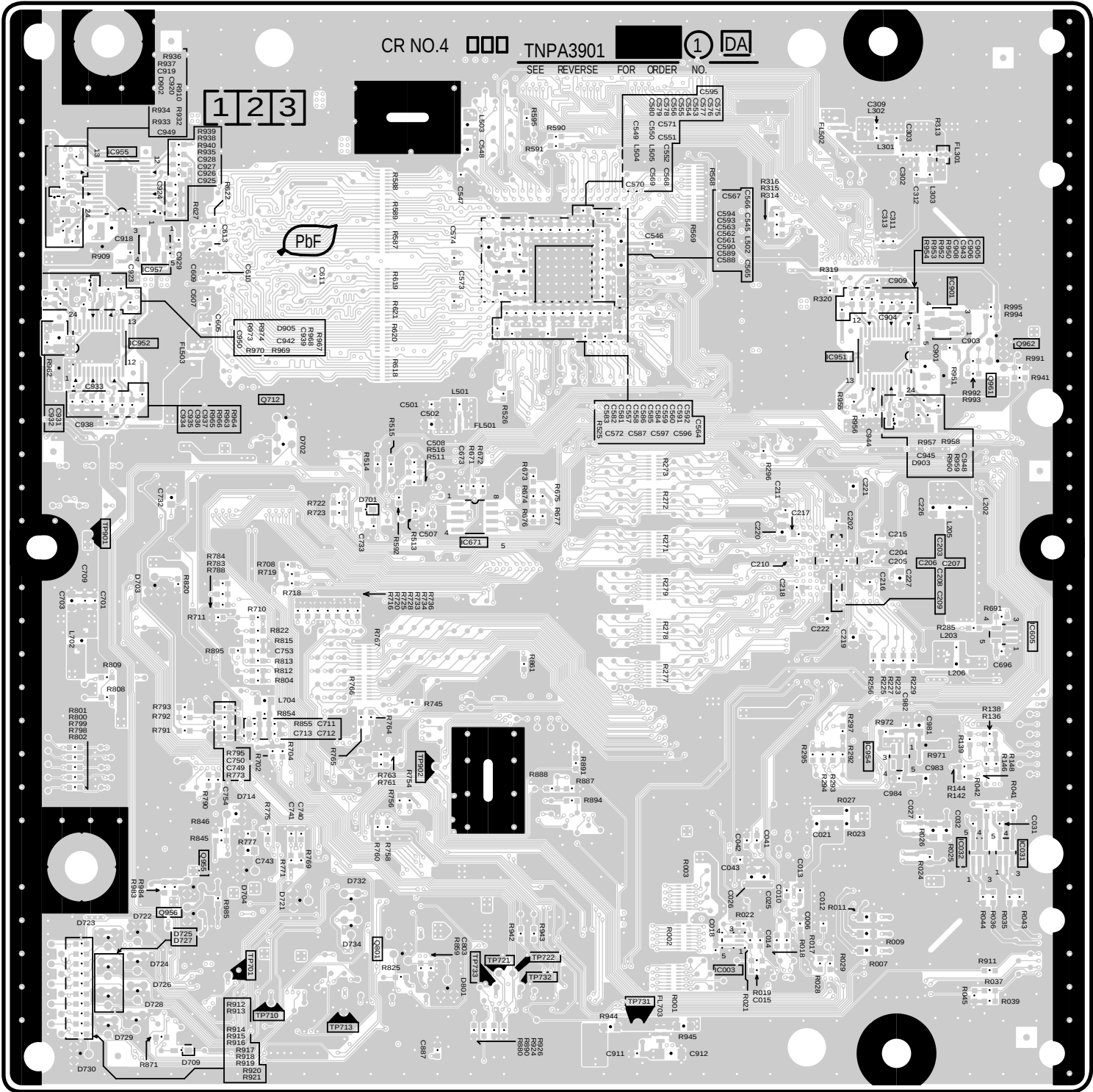
TH-42PH9WK/WS
J-BOARD TNPA3896

TH-42PH9WK/WS
J-BOARD TNPA3896

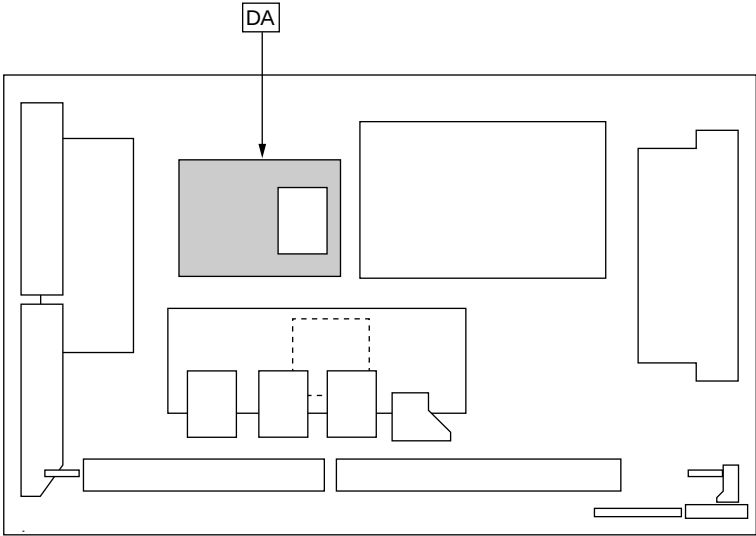
13.7. DA-Board

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DA-BOARD (FOIL SIDE)
TZTNP04ZQTU



TH-42PH9WK/WS
DA-BOARD TZTNP04ZQTU

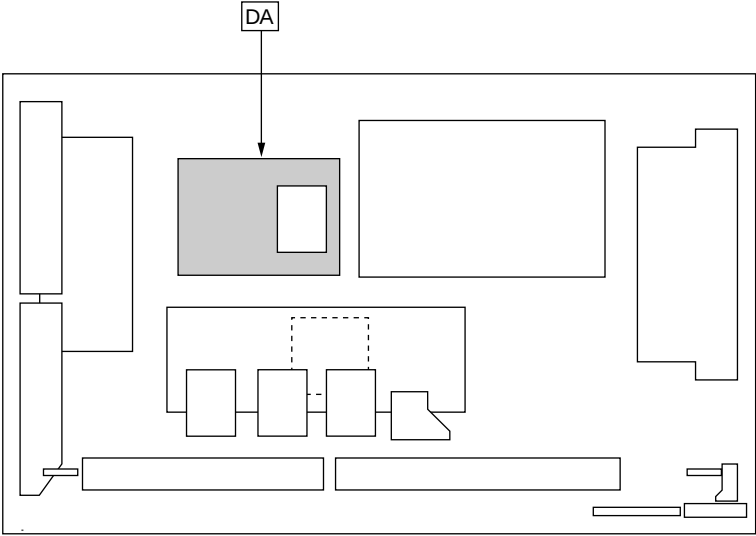
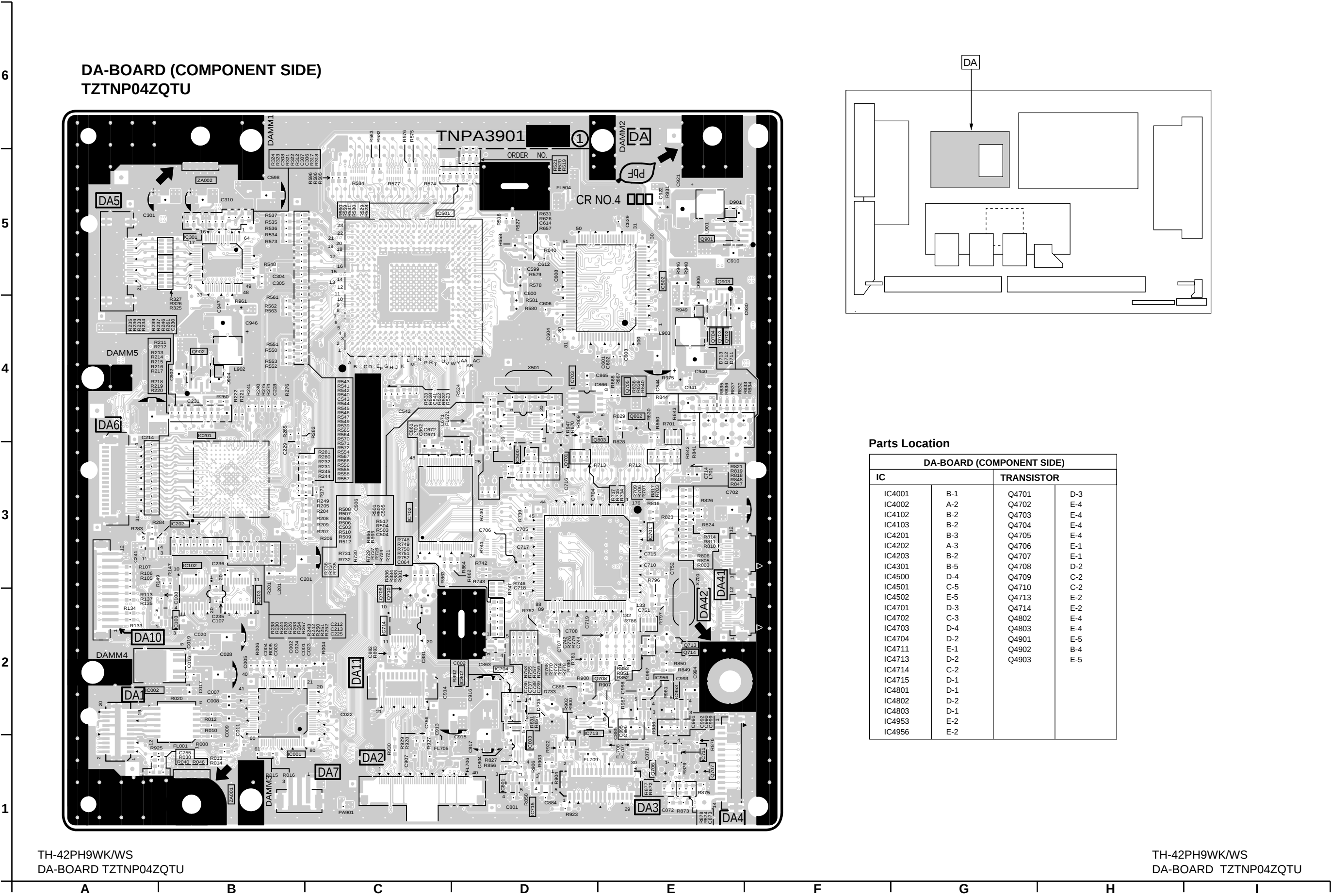


Parts Location

DA-BOARD (FOIL SIDE)					
IC		TRANSISTOR		TP	
IC4003	D-2	Q4712	B-4	TP4701	B-1
IC4031	E-2	Q4801	C-1	TP4710	B-1
IC4032	E-2	Q4955	B-2	TP4713	B-1
IC4605	E-3	Q4956	B-2	TP4721	C-1
IC4671	C-3	Q4961	E-4	TP4722	C-1
IC4901	E-4	Q4962	E-4	TP4731	D-1
IC4951	E-4			TP4732	C-1
IC4952	A-4			TP4733	C-1
IC4954	E-2			TP4901	A-3
IC4955	A-5			TP4902	C-2
IC4957	B-5				

TH-42PH9WK/WS
DA-BOARD TZTNP04ZQTU

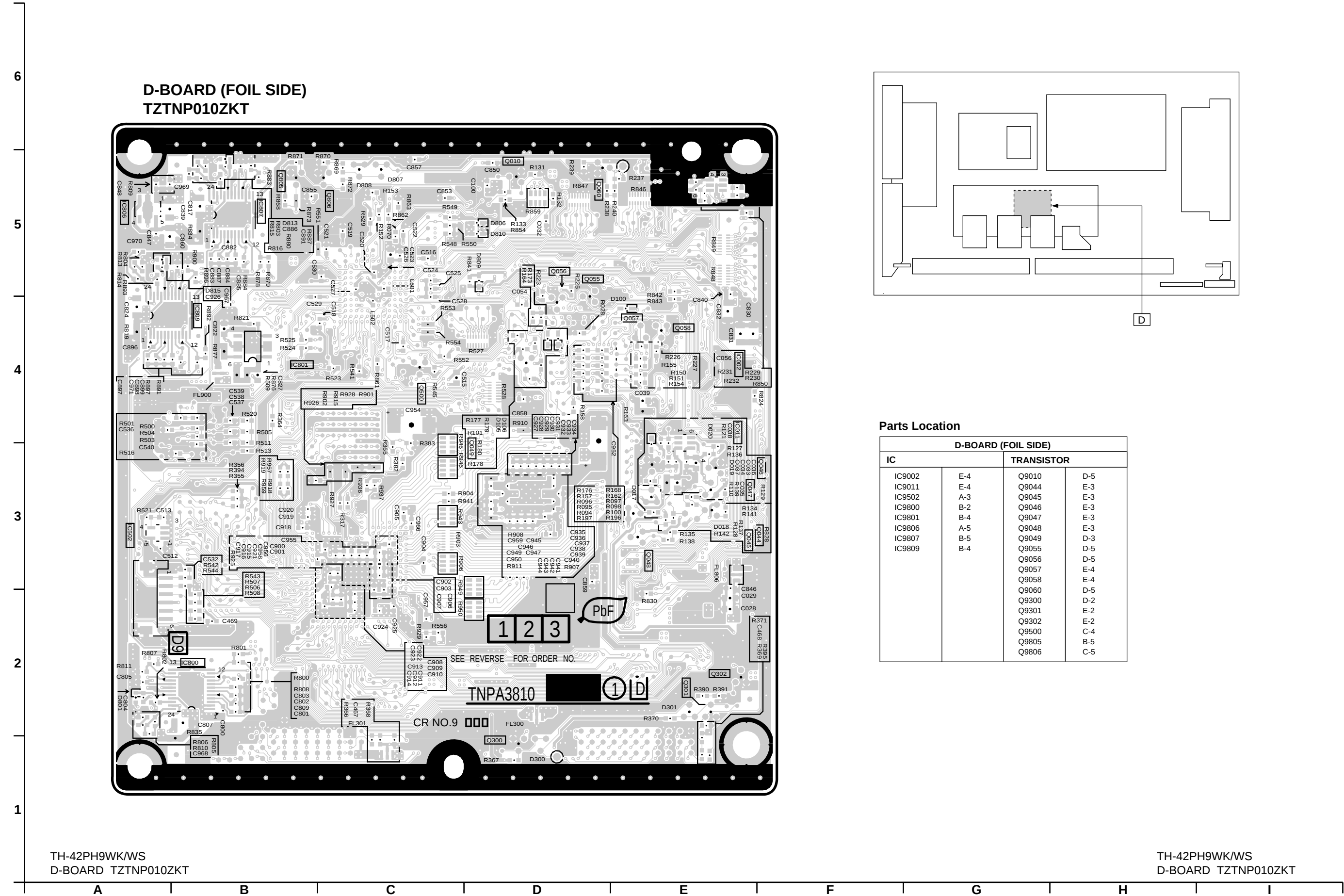
A B C D E F G H I

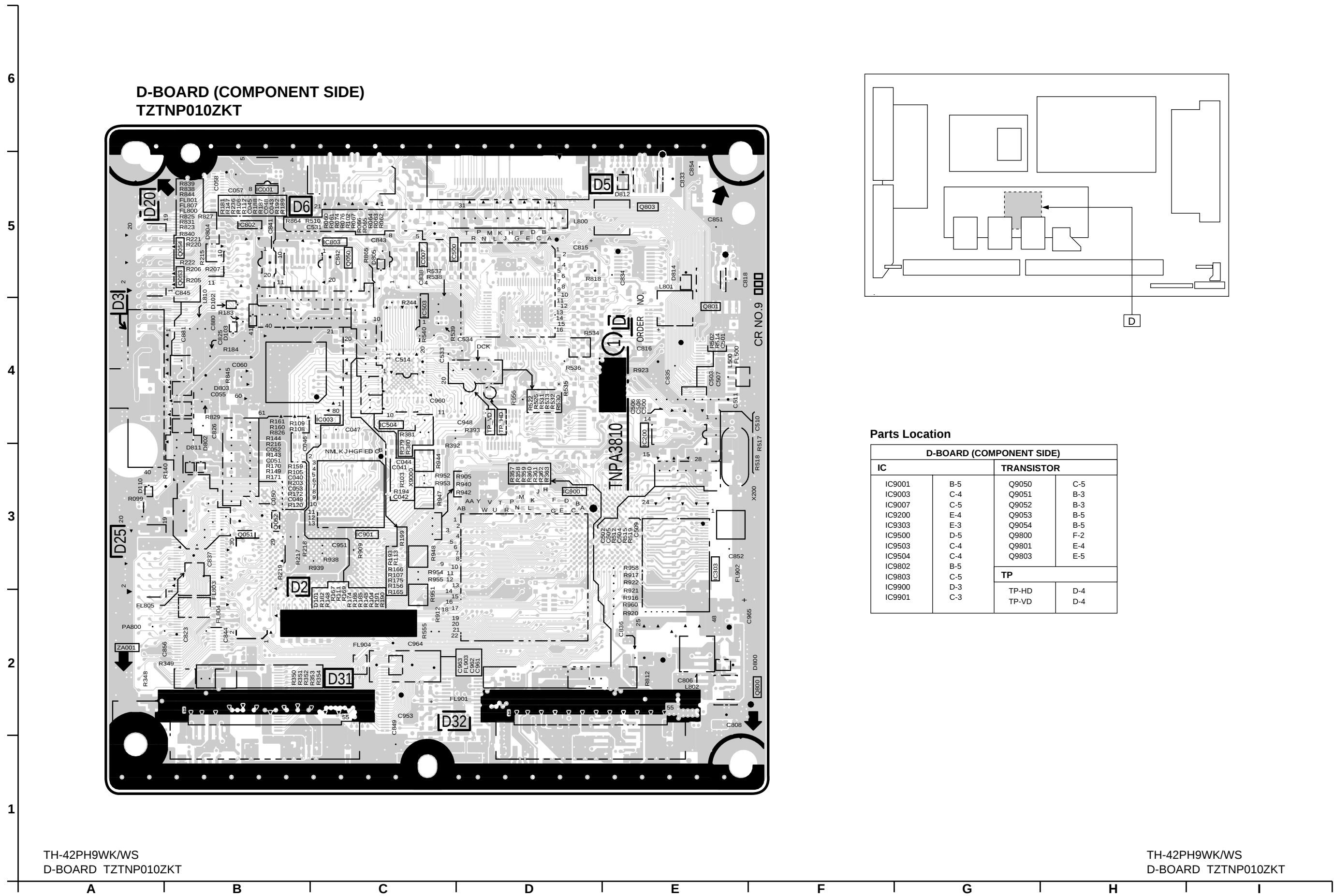


Parts Location

DA-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC4001	B-1	Q4701	D-3
IC4002	A-2	Q4702	E-4
IC4102	B-2	Q4703	E-4
IC4103	B-2	Q4704	E-4
IC4201	B-3	Q4705	E-4
IC4202	A-3	Q4706	E-1
IC4203	B-2	Q4707	E-1
IC4301	B-5	Q4708	D-2
IC4500	D-4	Q4709	C-2
IC4501	C-5	Q4710	C-2
IC4502	E-5	Q4713	E-2
IC4701	D-3	Q4714	E-2
IC4702	C-3	Q4802	E-4
IC4703	D-4	Q4803	E-4
IC4704	D-2	Q4901	E-5
IC4711	E-1	Q4902	B-4
IC4713	D-2	Q4903	E-5
IC4714	C-2		
IC4715	D-1		
IC4801	D-1		
IC4802	D-2		
IC4803	D-1		
IC4953	E-2		
IC4956	E-2		

13.8. D-Board



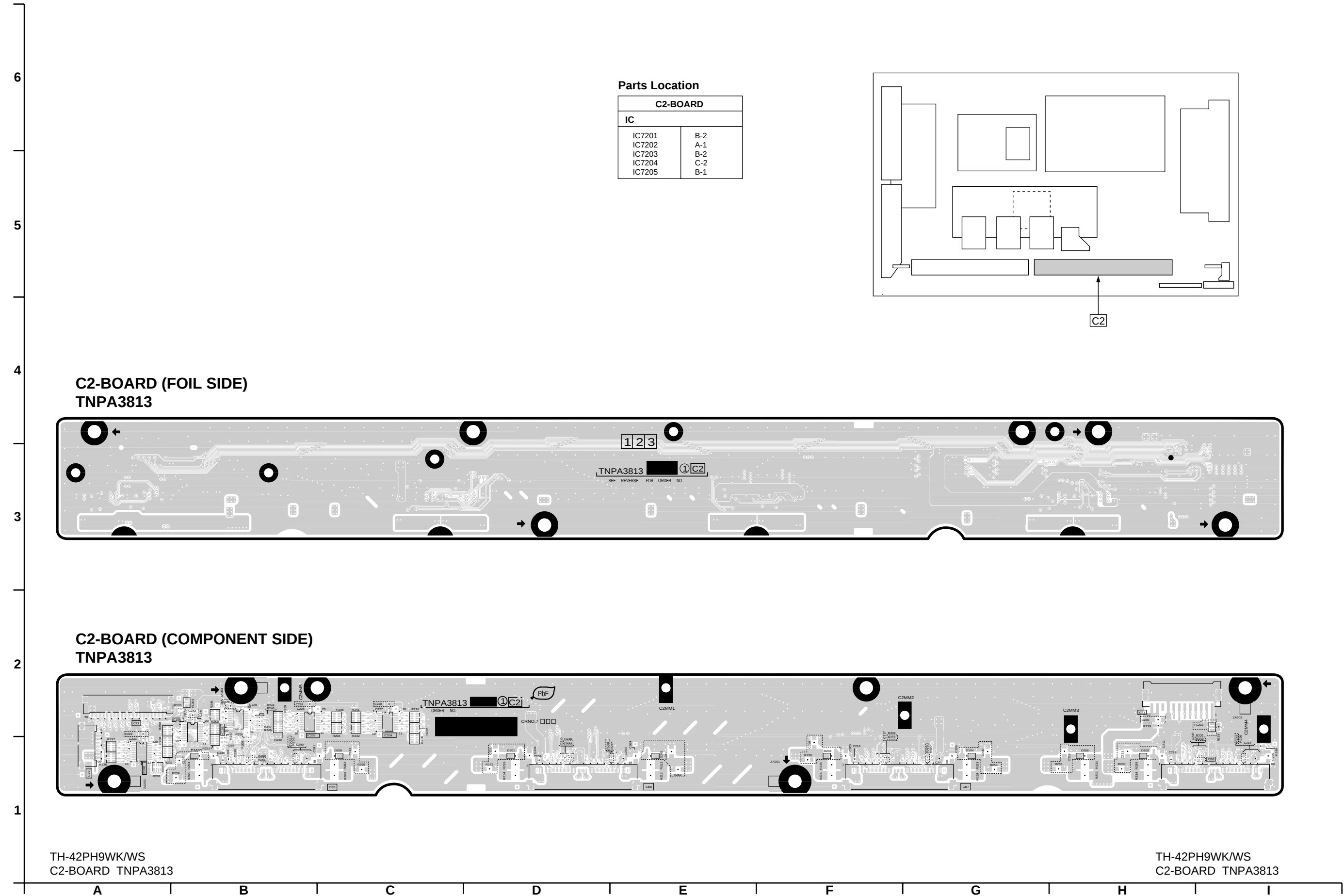


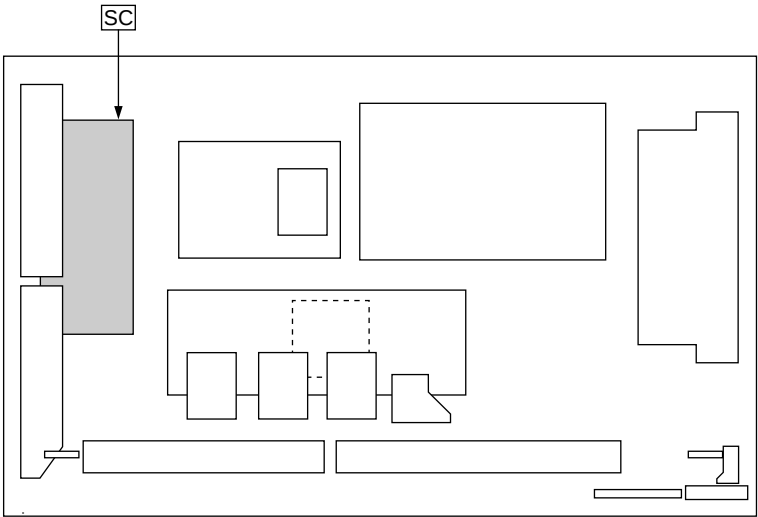
Parts Location

D-BBOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC9001	B-5	Q9050	C-5
IC9003	C-4	Q9051	B-3
IC9007	C-5	Q9052	B-3
IC9200	E-4	Q9053	B-5
IC9303	E-3	Q9054	B-5
IC9500	D-5	Q9800	F-2
IC9503	C-4	Q9801	E-4
IC9504	C-4	Q9803	E-5
IC9802	B-5	TP	
IC9803	C-5		
IC9900	D-3	TP-HD	D-4
IC9901	C-3	TP-VD	D-4

TH-42PH9WK/WS
C1-BOARD TNPA3812

13.10. C2-Board





Parts Location

SC-BOARD (FOIL SIDE)					
TRANSISTOR		TP			
Q6401	B-4	TP1	A-1	TP41	D-5
Q6402	B-4	TP2	B-1	TP42	C-5
Q6403	C-4	TP4	B-2	TP43	C-5
Q6421	D-4	TP5	B-2	TP44	B-6
Q6422	D-4	TP6	C-1	TP45	C-5
Q6423	D-4	TP7	C-1	TP46	F-5
Q6441	E-2	TP8	B-2	TP47	F-5
Q6442	D-2	TP9	B-2	TP48	F-6
Q6451	C-2	TP10	F-2	TP49	F-6
Q6452	C-2	TP11	F-2	TP50	H-6
Q6661	F-4	TP12	G-1	TP51	G-6
Q6801	H-1	TP13	G-1	TP52	E-1
Q6821	E-3	TP14	E-2	TP53	G-4
Q6822	F-3	TP15	F-2	TP54	C-6
Q6841	H-3	TP16	G-1	TP55	C-6
Q6842	H-3	TP17	G-1	TP56	C-6
		TP18	F-2	TP57	B-6
		TP19	F-1	TP58	B-6
		TP20	F-2	TP59	G-6
		TP21	E-1	TP60	G-6
		TP22	F-2	TP61	G-6
		TP23	F-1	TP62	G-6
		TP24	F-1	TP63	G-6
		TP25	F-1	TP64	F-3
		TP26	E-1	VOLUME	
		TP27	F-1	VR6600	G-2
		TP28	H-2	VR6601	E-5
		TP29	H-5	VR6602	F-5
		TP30	A-5		
		TP31	H-4		
		TP32	E-5		
		TP33	B-3		
		TP34	E-1		
		TP35	E-3		
		TP38	F-1		
		TP39	E-1		
		TP40	D-5		

TH-42PH9WK/WS
SC-BOARD PARTS LOCATION

Parts Location

SC-BOARD (COMPONENT SIDE)							
IC		PHOTO COUPLER				TP	
IC6471	B-4	PC6480	A-4	Q6641	F-5	TP15V	G-1
IC6472	B-4	PC6701	A-4	Q6642	F-5	TPSC1	D-6
IC6501	G-4	PC6702	A-4	Q6643	F-5	TPSOS6	F-1
IC6521	F-2	PC6703	A-4	Q6644	G-5	TPSOS7	D-2
IC6561	C-1	PC6704	C-4	Q6645	G-5	TPVAD	C-4
IC6562	D-2	PC6705	B-4	Q6646	G-5	TPVSCN	C-4
IC6581	F-1	PC6760	C-4	Q6647	H-5	TPVSET	C-3
IC6601	E-5	PC6801	B-2	Q6648	H-5	TPVSET2	B-4
IC6602	A-4	PC6861	B-3	Q6661	D-4	TPVSUS	H-1
IC6610	B-5	PC6871	C-1	Q6662	C-5	VOLUME	
IC6671	D-4	TRANSISTOR		Q6663	C-4	VR6600	C-2
IC6681	D-5	Q6401	H-4	Q6671	E-4	VR6601	D-4
IC6682	A-4	Q6402	H-4	Q6672	F-4	VR6602	D-5
IC6721	A-5	Q6403	G-4	Q6680	E-4		
IC6722	A-4	Q6421	F-4	Q6681	D-5		
IC6724	C-5	Q6422	F-4	Q6682	D-5		
IC6725	C-5	Q6423	E-4	Q6691	D-5		
IC6751	C-4	Q6441	E-2	Q6742	A-5		
IC6752	C-4	Q6442	E-2	Q6743	B-5		
IC6753	C-4	Q6451	G-2	Q6744	A-5		
IC6771	C-5	Q6452	G-2	Q6762	F-4		
IC6772	C-5	Q6471	B-3	Q6781	F-5		
IC6773	C-5	Q6511	G-4	Q6782	F-5		
IC6774	C-4	Q6512	G-4	Q6791	B-2		
IC6791	C-2	Q6516	F-4	Q6801	B-1		
IC6801	C-2	Q6517	F-4	Q6802	B-1		
IC6802	C-2	Q6531	F-2	Q6803	B-2		
IC6821	C-3	Q6532	F-2	Q6804	B-1		
IC6841	A-3	Q6551	F-2	Q6821	D-3		
IC6861	B-5	Q6552	G-2	Q6822	D-3		
IC6871	B-2	Q6581	F-1	Q6824	C-3		
		Q6601	E-5	Q6841	B-3		
		Q6602	D-5	Q6842	A-3		
		Q6621	F-4				
		Q6622	G-4				

TH-42PH9WK/WS
SC-BOARD PARTS LOCATION

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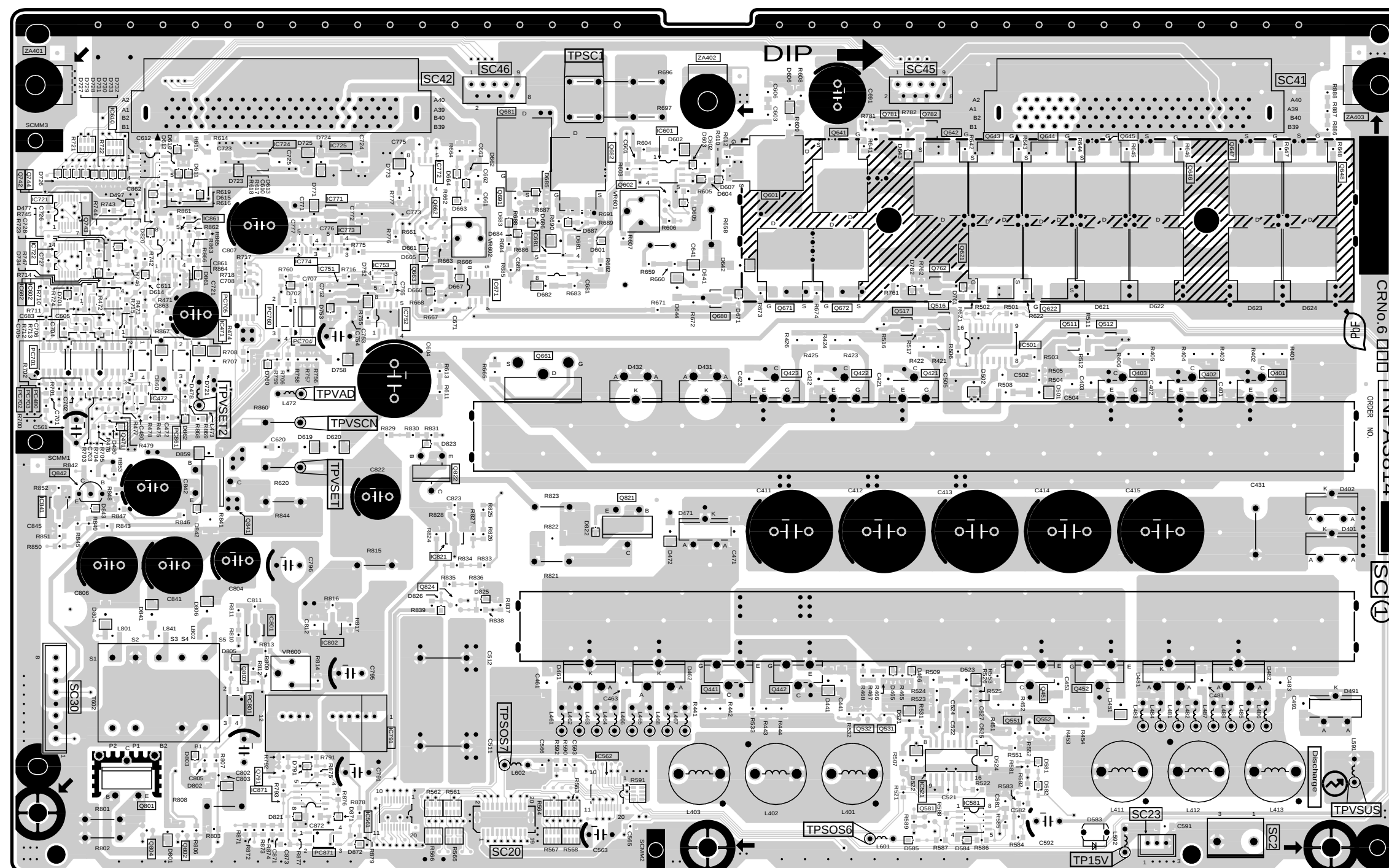
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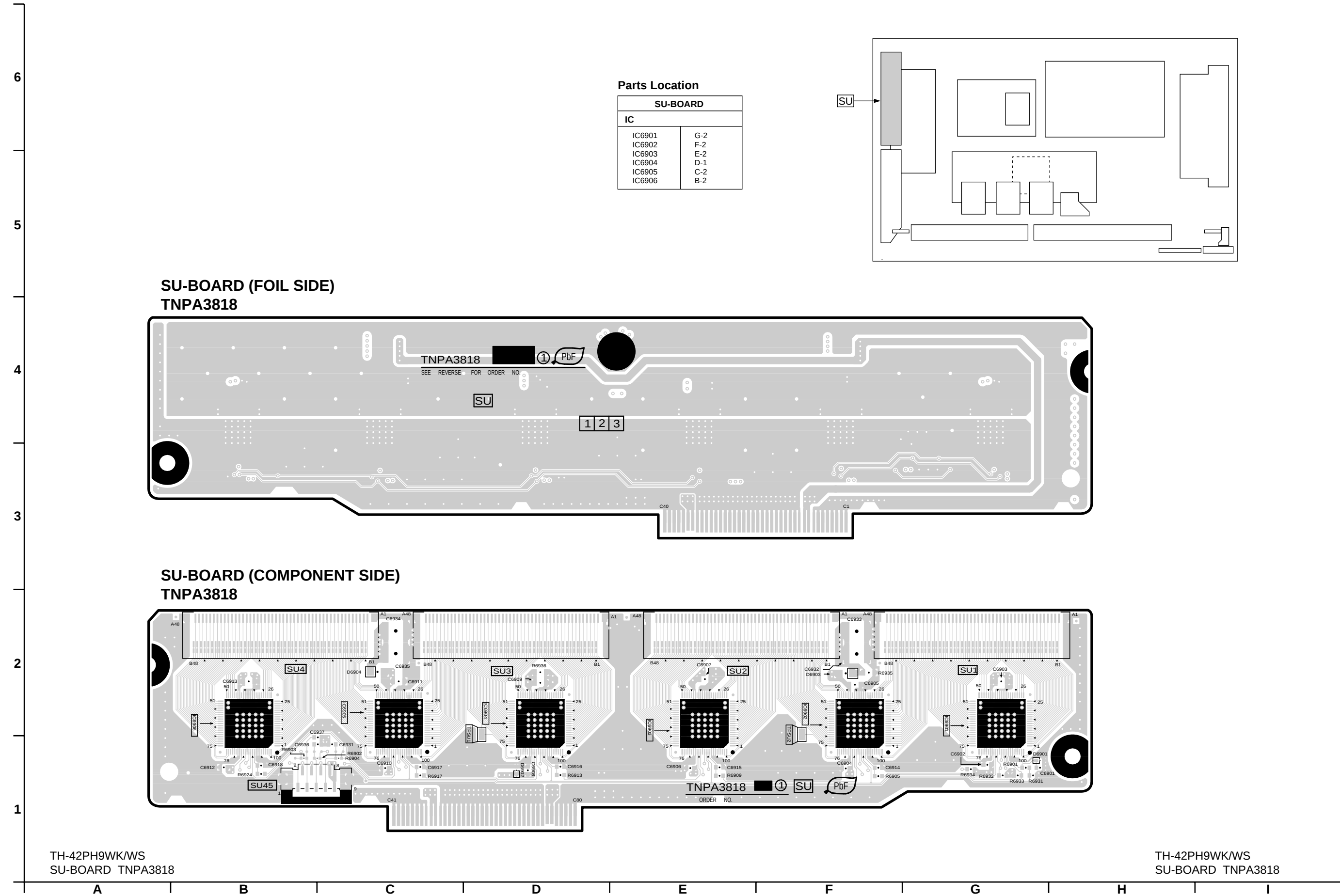
SC-BOARD (COMPONENT SIDE)
TNPA3814



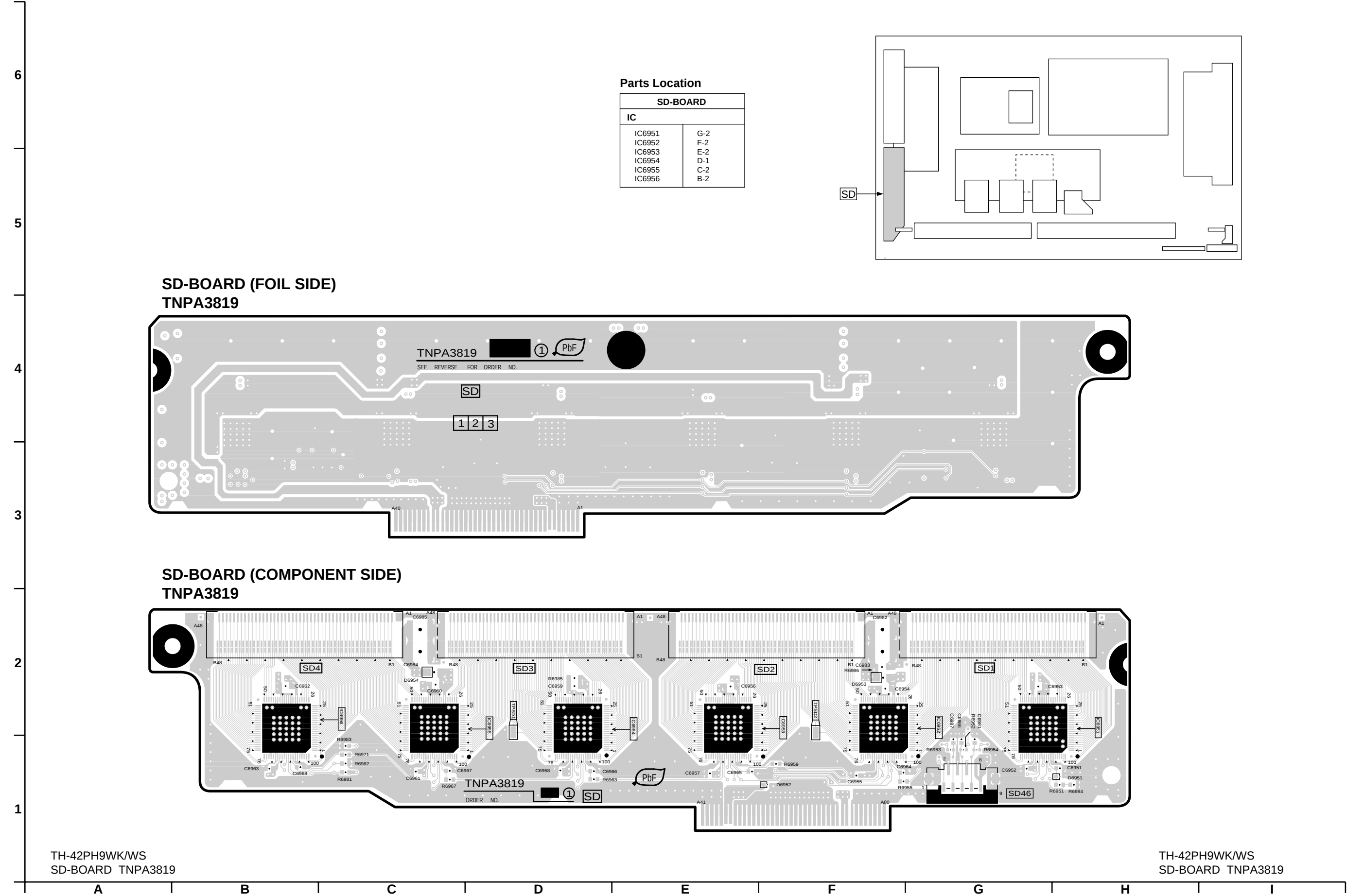
TH-42PH9WK/WS
SC-BOARD TNPA3814

TH-42PH9WK/WS
SC-BOARD TNPA3814

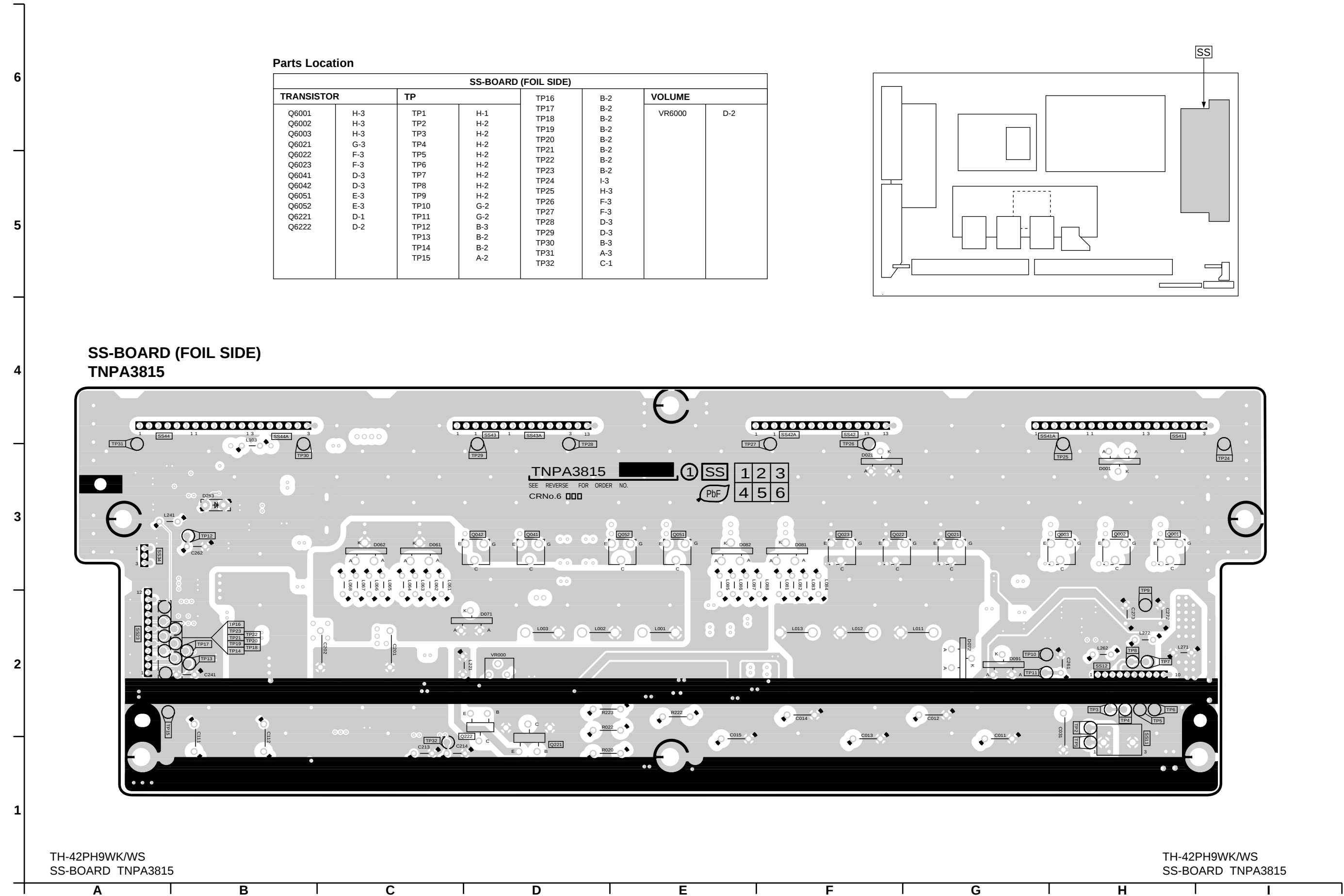
13.12. SU-Board



13.13. SD-Board



13.14. SS-Board



14 Block and Schematic Diagram

14.1. Schematic Diagram Notes

Important Safety Notice

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

Notes:

- Resistor**
Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
- Capacitor**
Unit of capacitance is μ F, unless otherwise noted.
- Coil
Unit of inductance is H, unless otherwise noted.
- Test Point

$\bigcirc$

: Test Point position
- Earth Symbol

$\text{---}\text{||}\text{---}$

: Chassis Earth (Cold)

$\downarrow$

: Line Earth (Hot)
- 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)

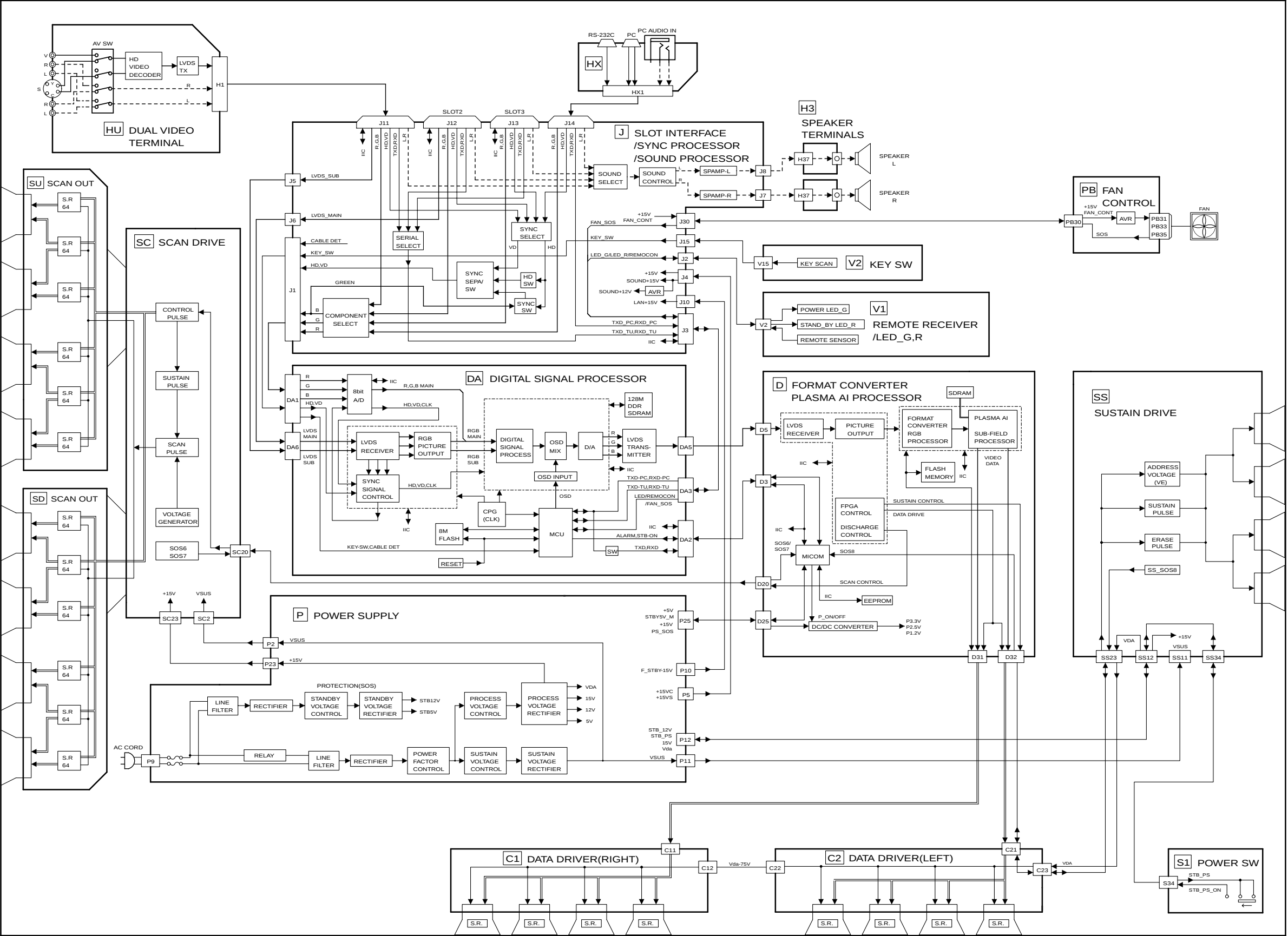
All customer's controls

Maximum positions
- When arrow mark ($\nearrow$) is found, connection is easily found from the direction of arrow.
- Indicates the major signal flow. : Video $\Rightarrow$ Audio $\Rightarrow$
- This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

- 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
 - Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - 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.
 - Make sure to disconnect the power plug before removing the chassis.

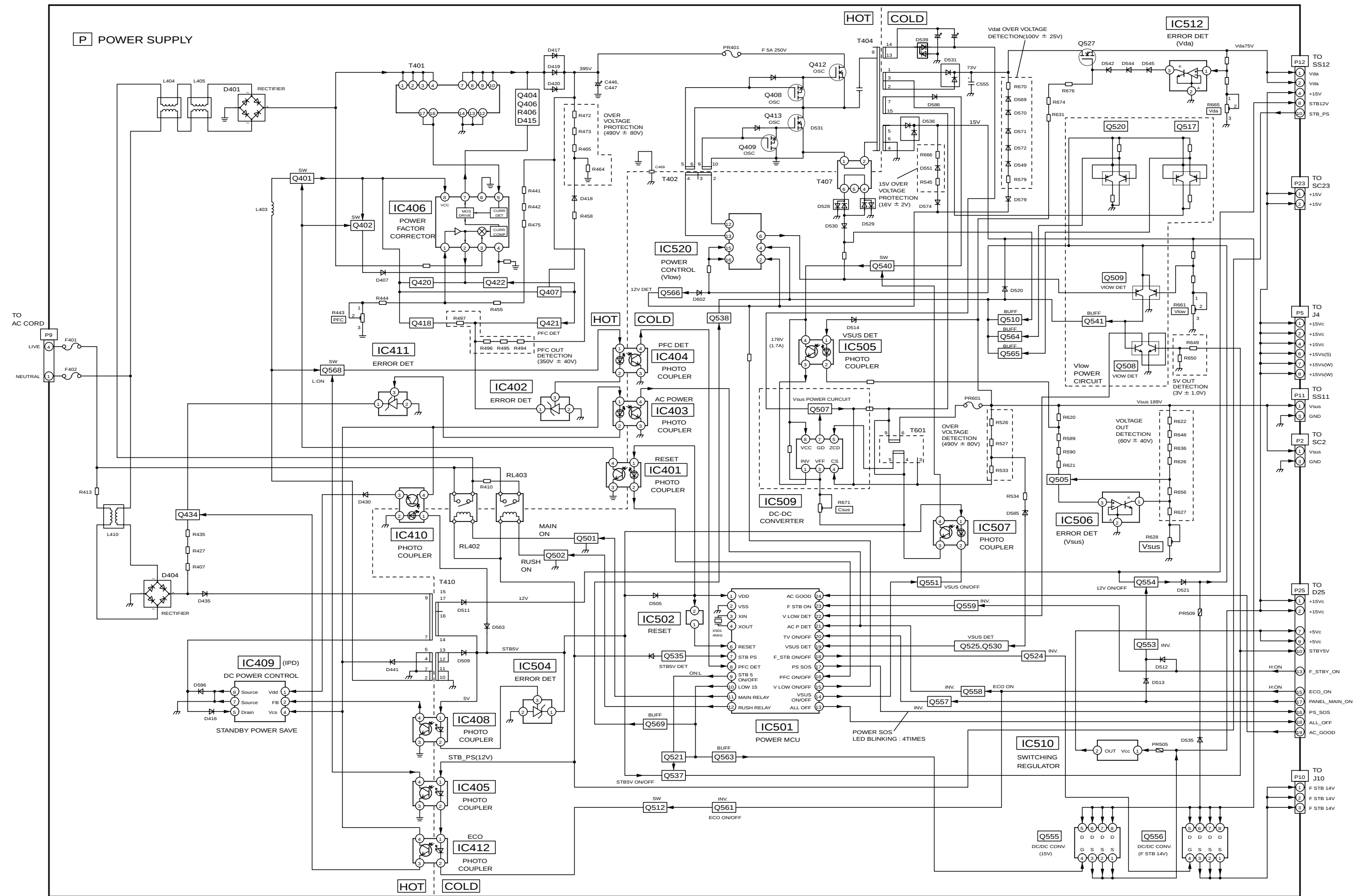
14.2. Main Block Diagram



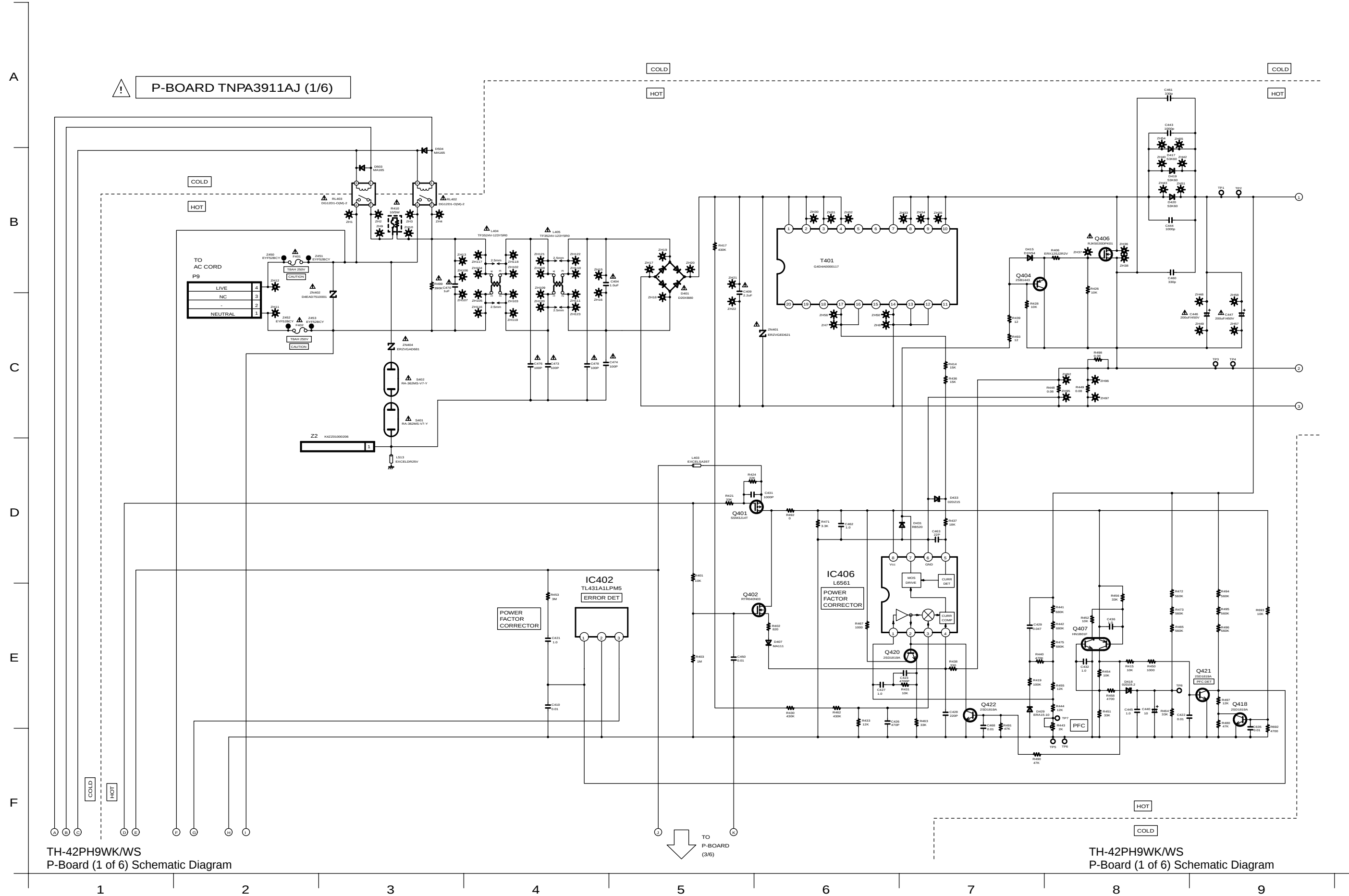
TH-42PH9WK/WS
Main Block Diagram

TH-42PH9WK/WS
Main Block Diagram

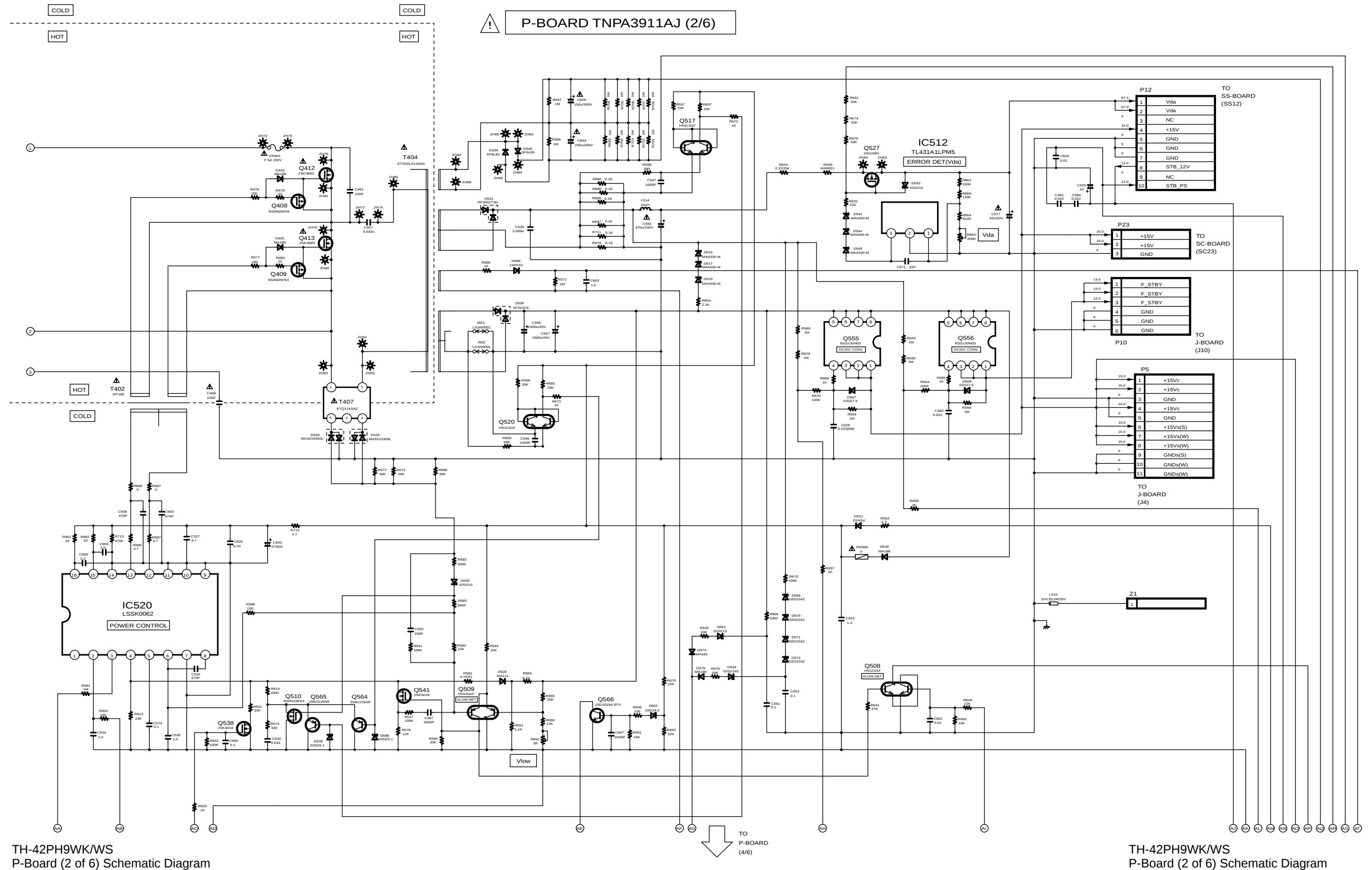
14.3. P-Board Block Diagram

TH-42PH9WK/WS
P-Board Block DiagramTH-42PH9WK/WS
P-Board Block Diagram

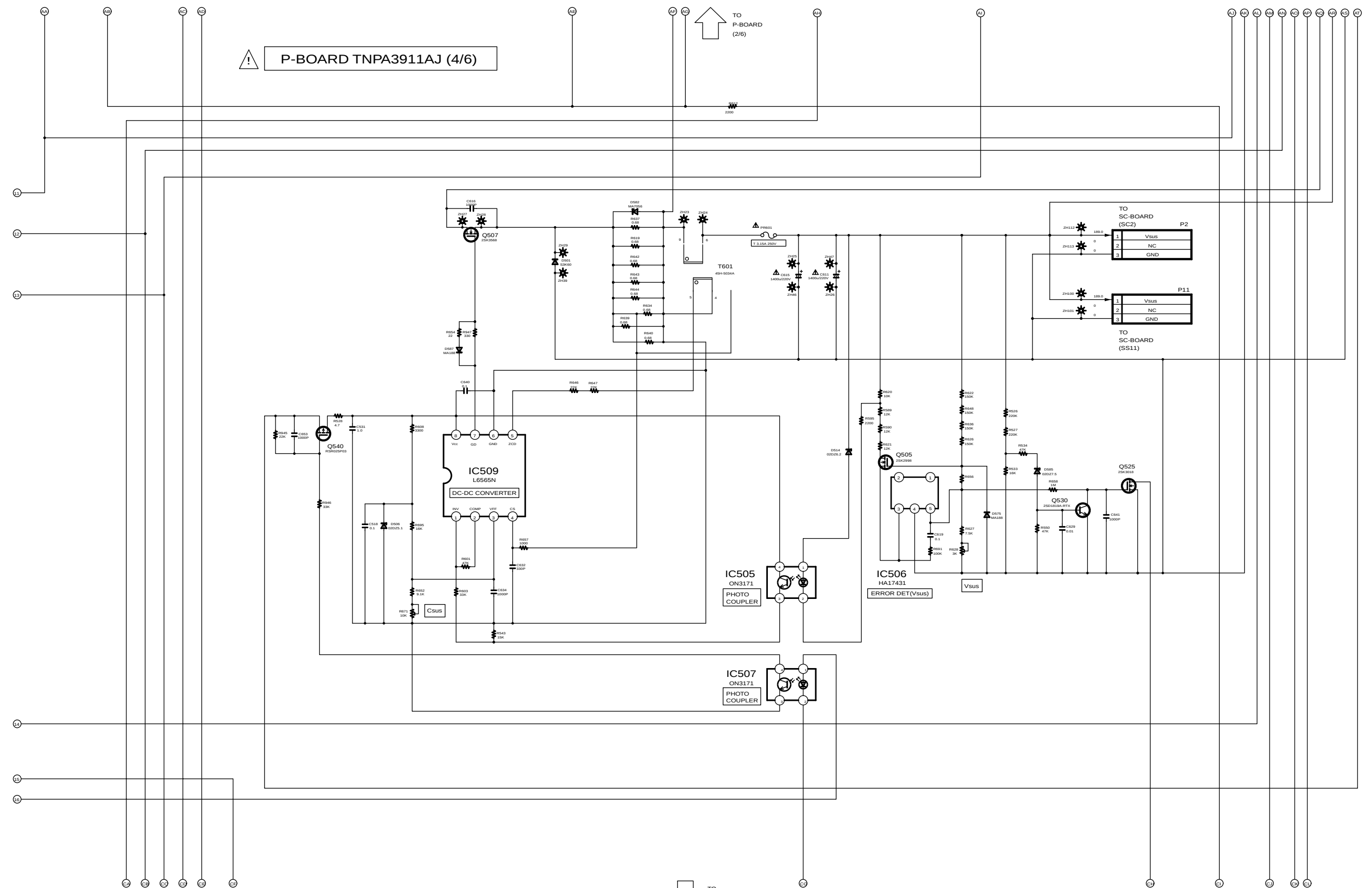
14.4. P-Board (1 of 6) Schematic Diagram



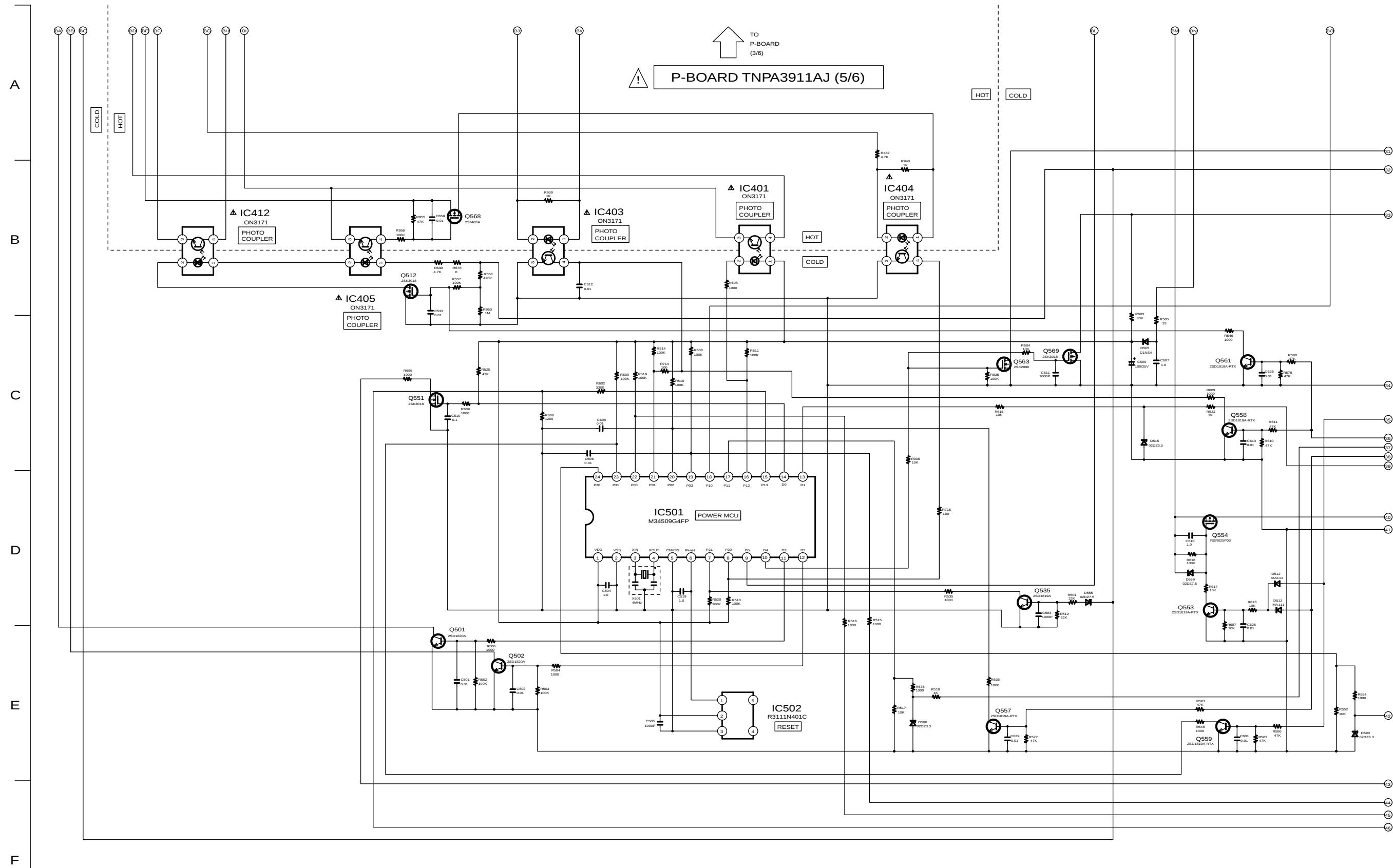
14.5. P-Board (2 of 6) Schematic Diagram

TH-42PH9WK/WS
P-Board (2 of 6) Schematic DiagramTH-42PH9WK/WS
P-Board (2 of 6) Schematic Diagram

14.7. P-Board (4 of 6) Schematic Diagram

TH-42PH9WK/WS
P-Board (4 of 6) Schematic DiagramTH-42PH9WK/WS
P-Board (4 of 6) Schematic Diagram

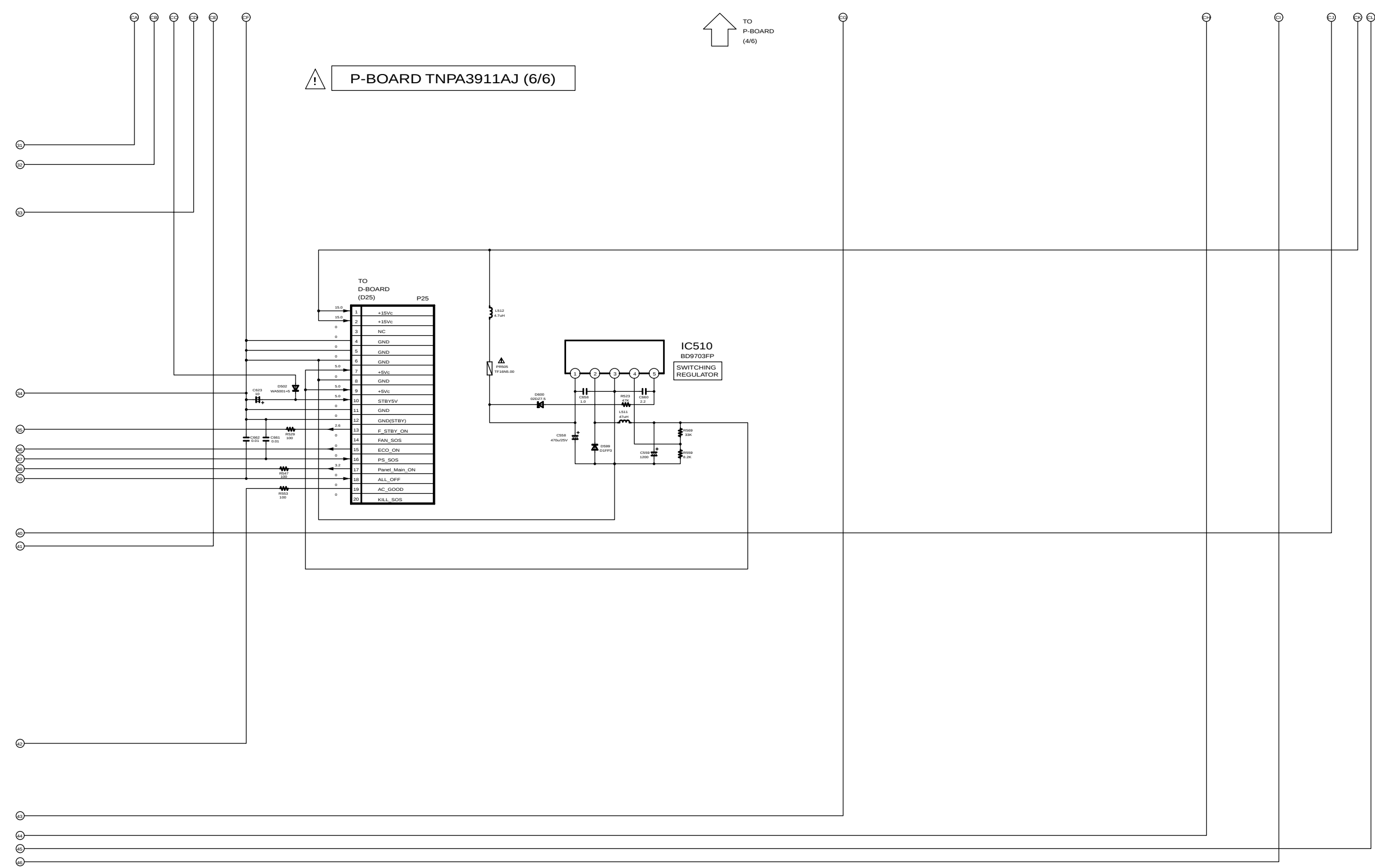
14.8. P-Board (5 of 6) Schematic Diagram



TH-42PH9WK/WS
P-Board (5 of 6) Schematic Diagram

TH-42PH9WK/WS
P-Board (5 of 6) Schematic Diagram

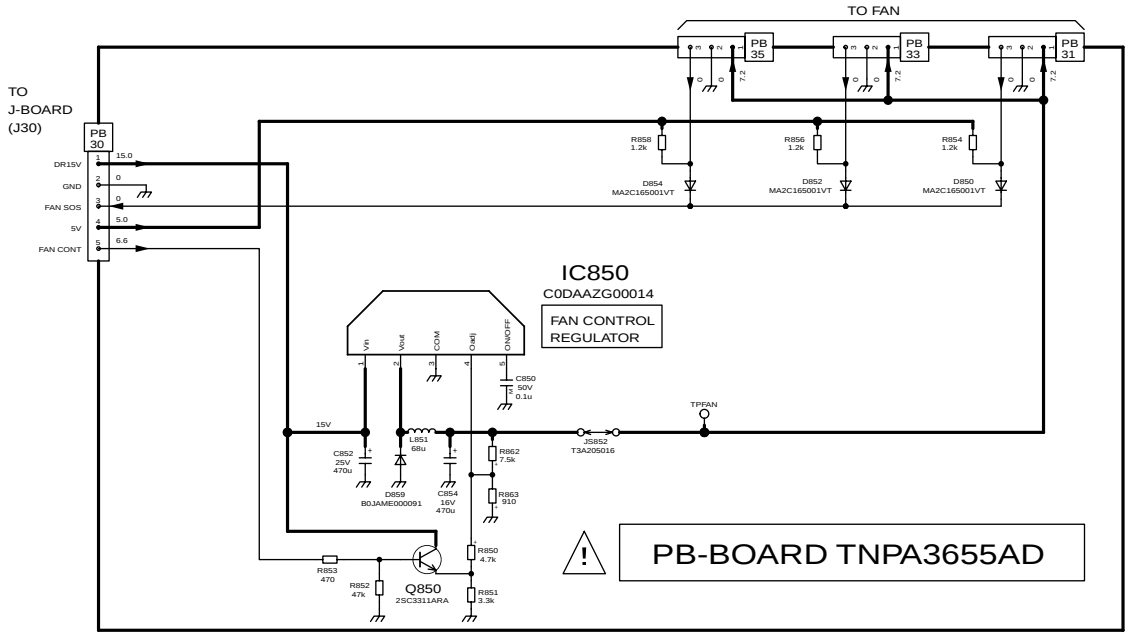
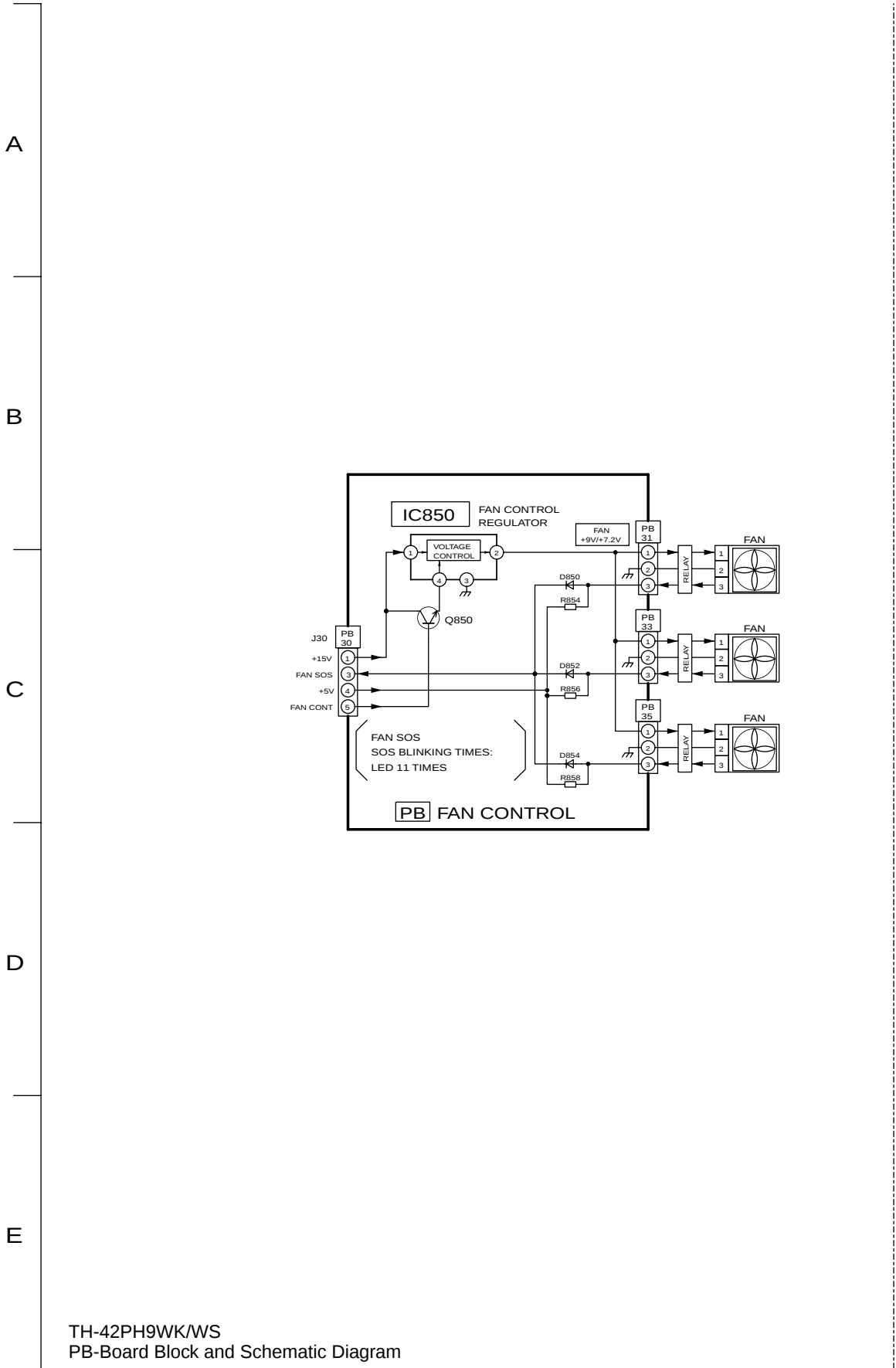
14.9. P-Board (6 of 6) Schematic Diagram



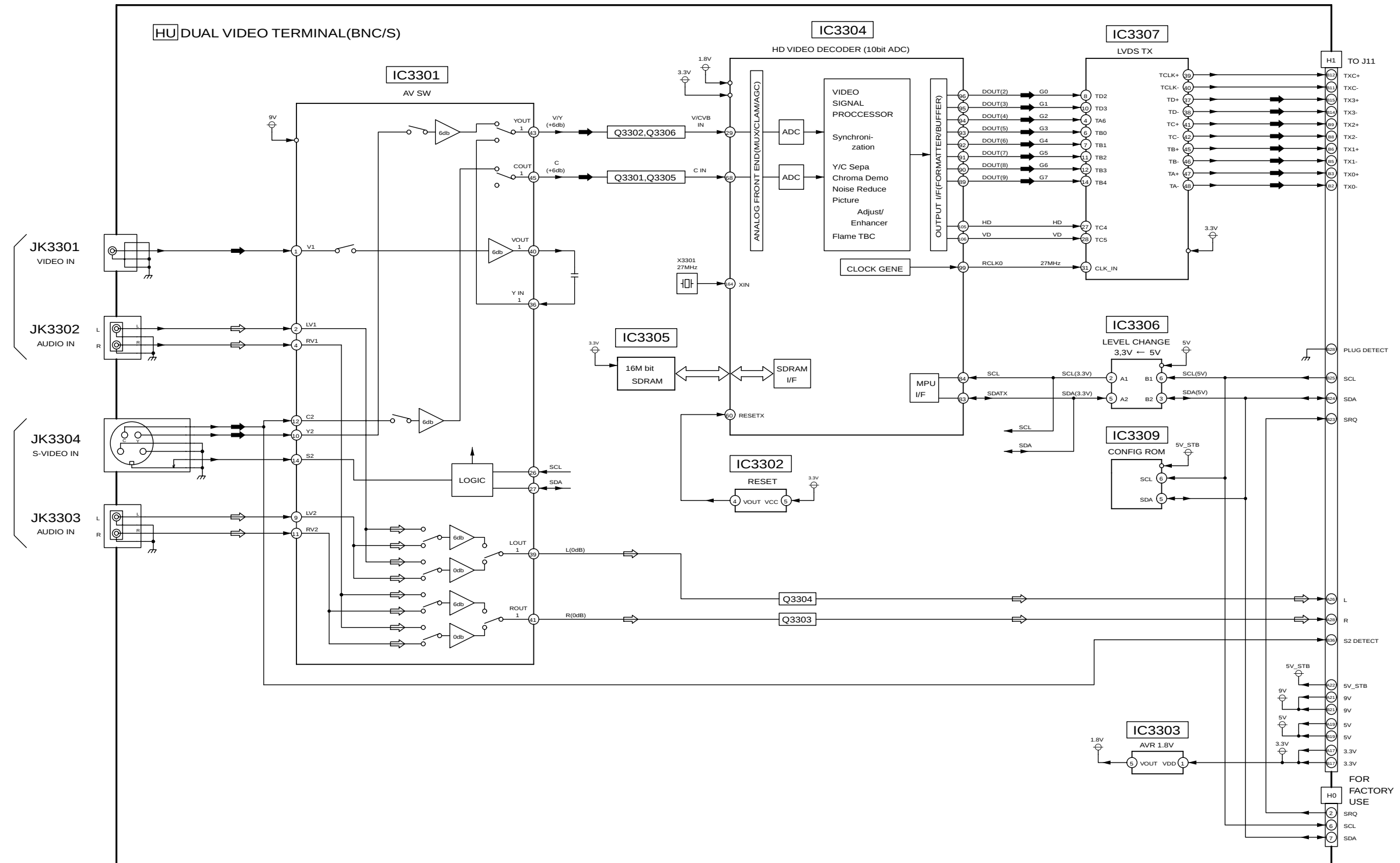
TH-42PH9WK/WS
P-Board (6 of 6) Schematic Diagram

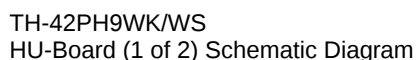
TH-42PH9WK/WS
P-Board (6 of 6) Schematic Diagram

14.10. PB-Board Block and Schematic Diagram

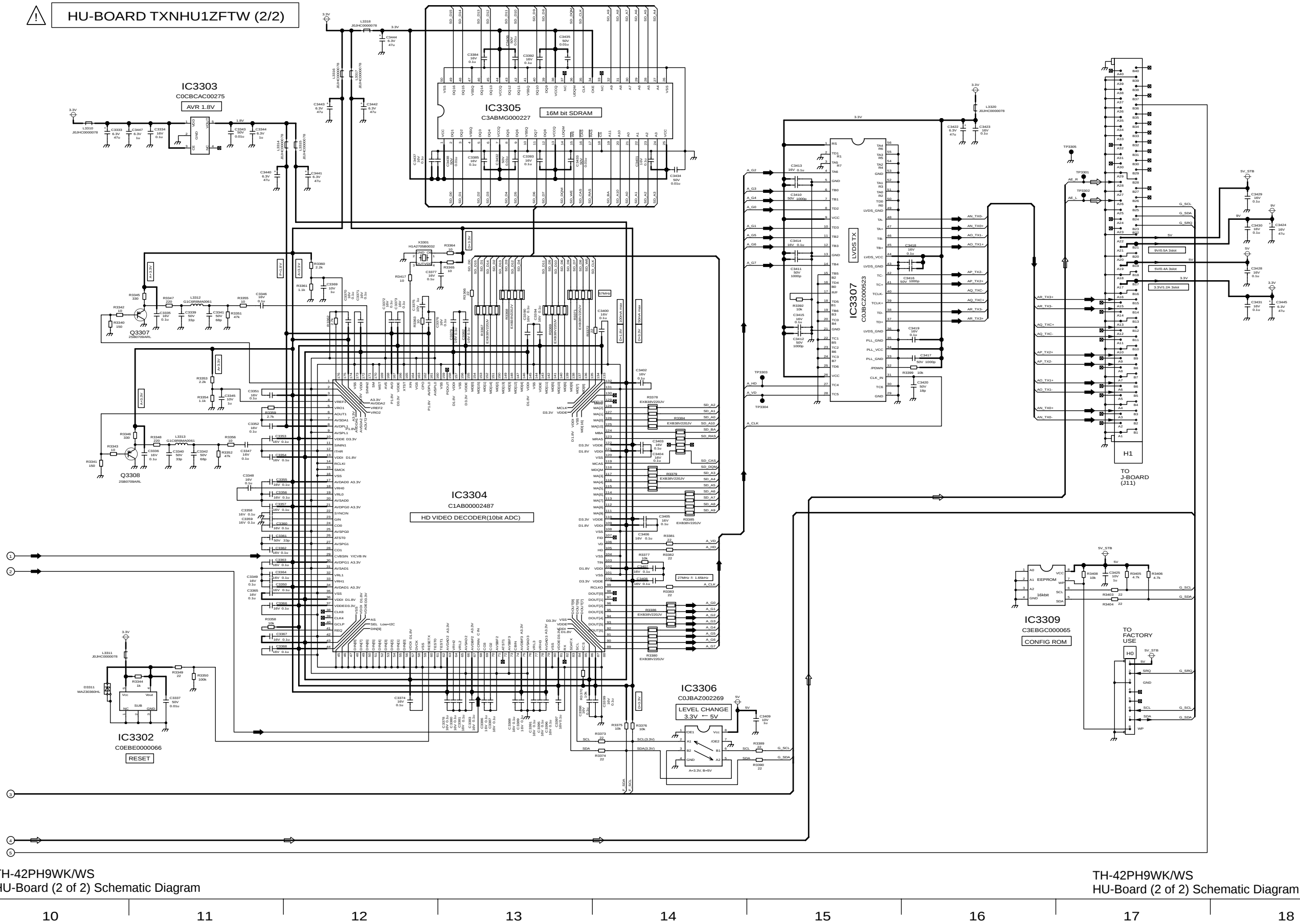


14.11. HU-Board Block Diagram

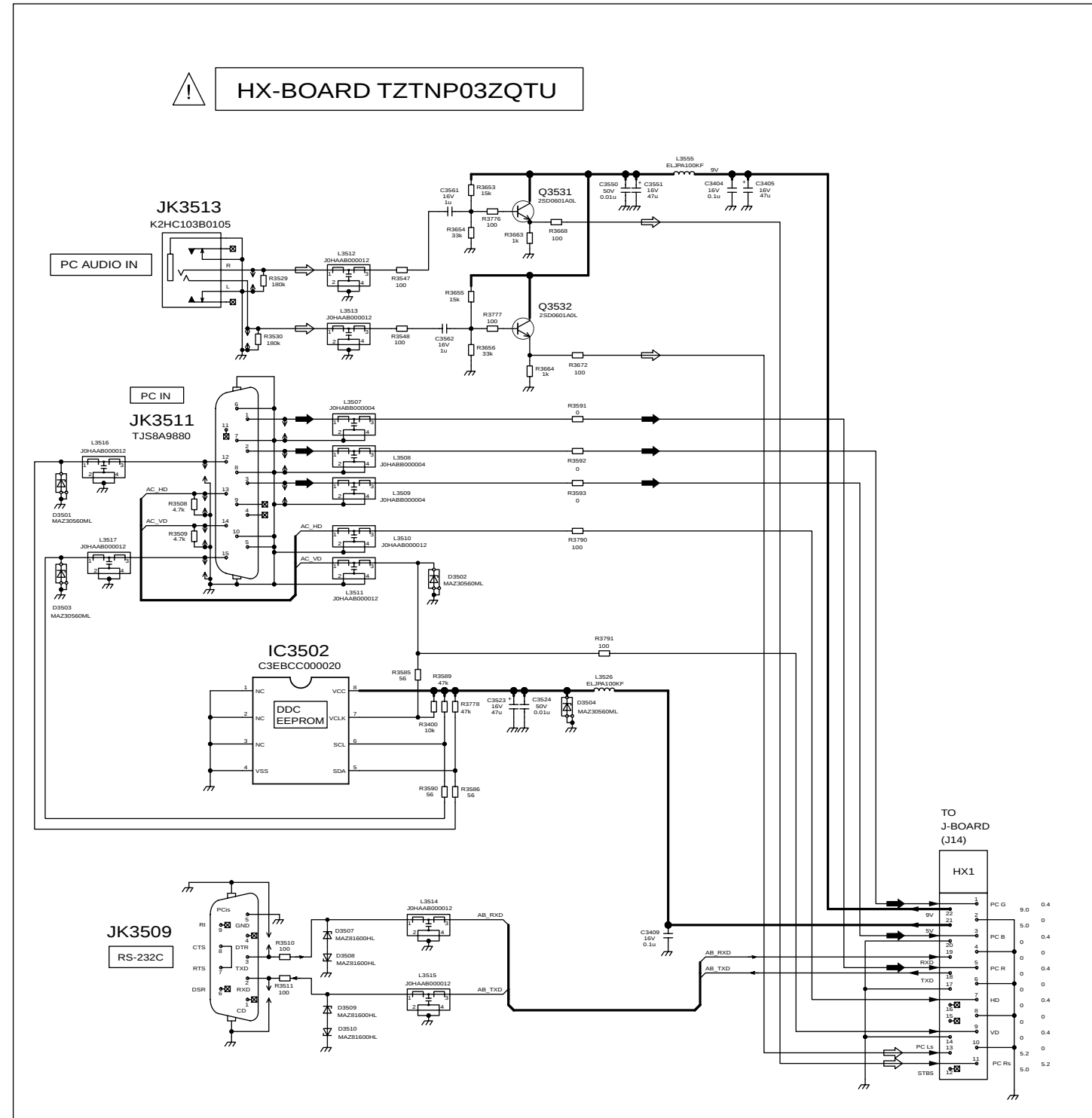
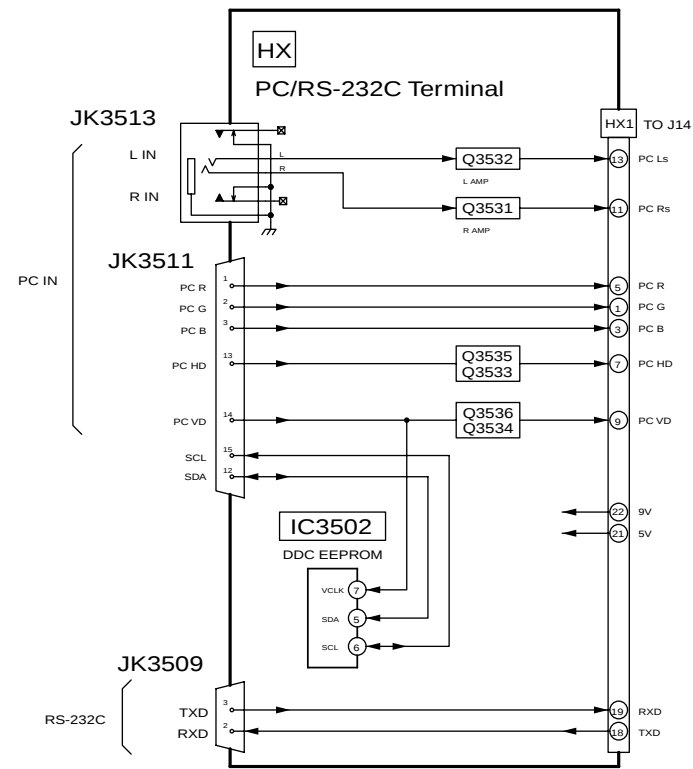




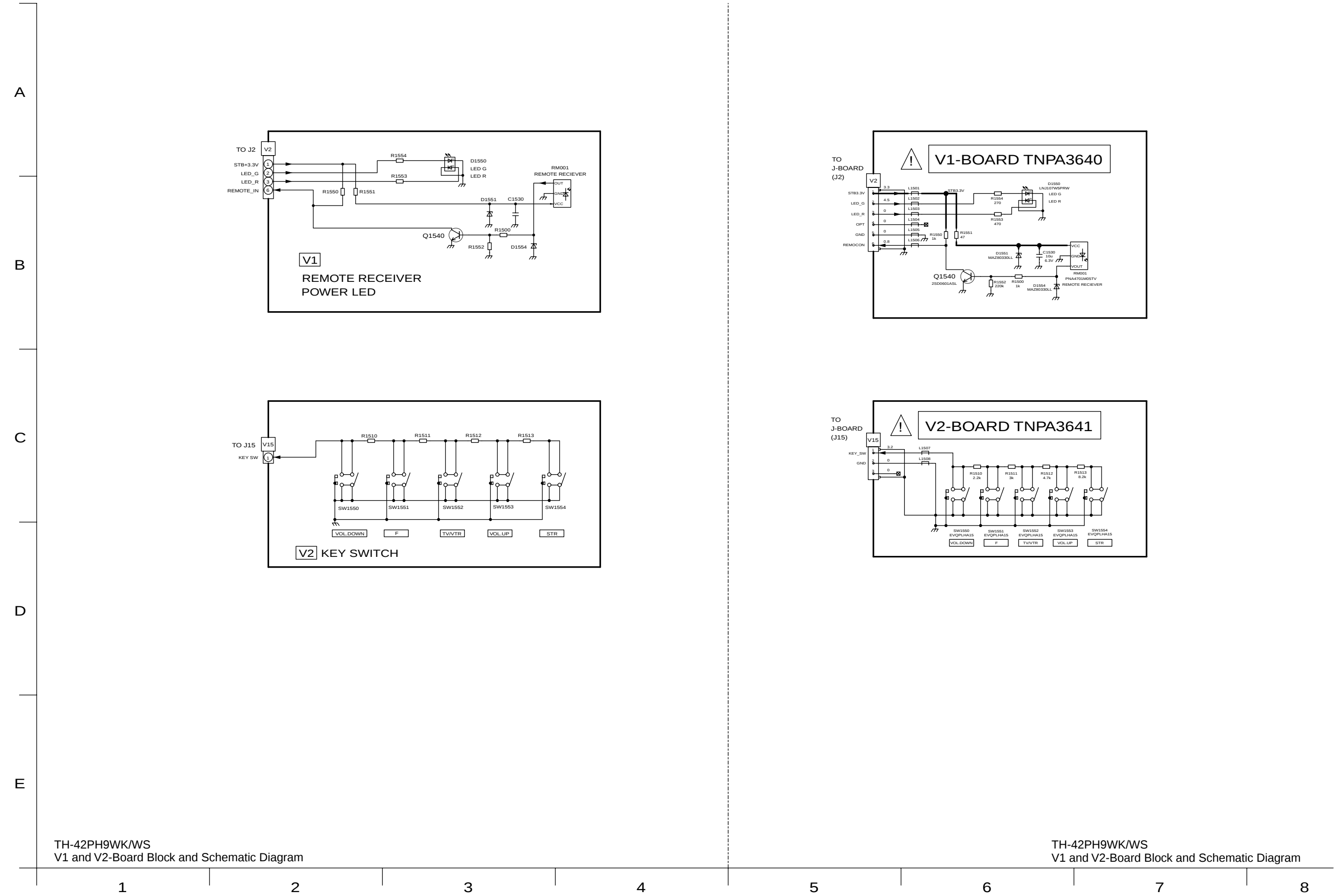
14.13. HU-Board (2 of 2) Schematic Diagram



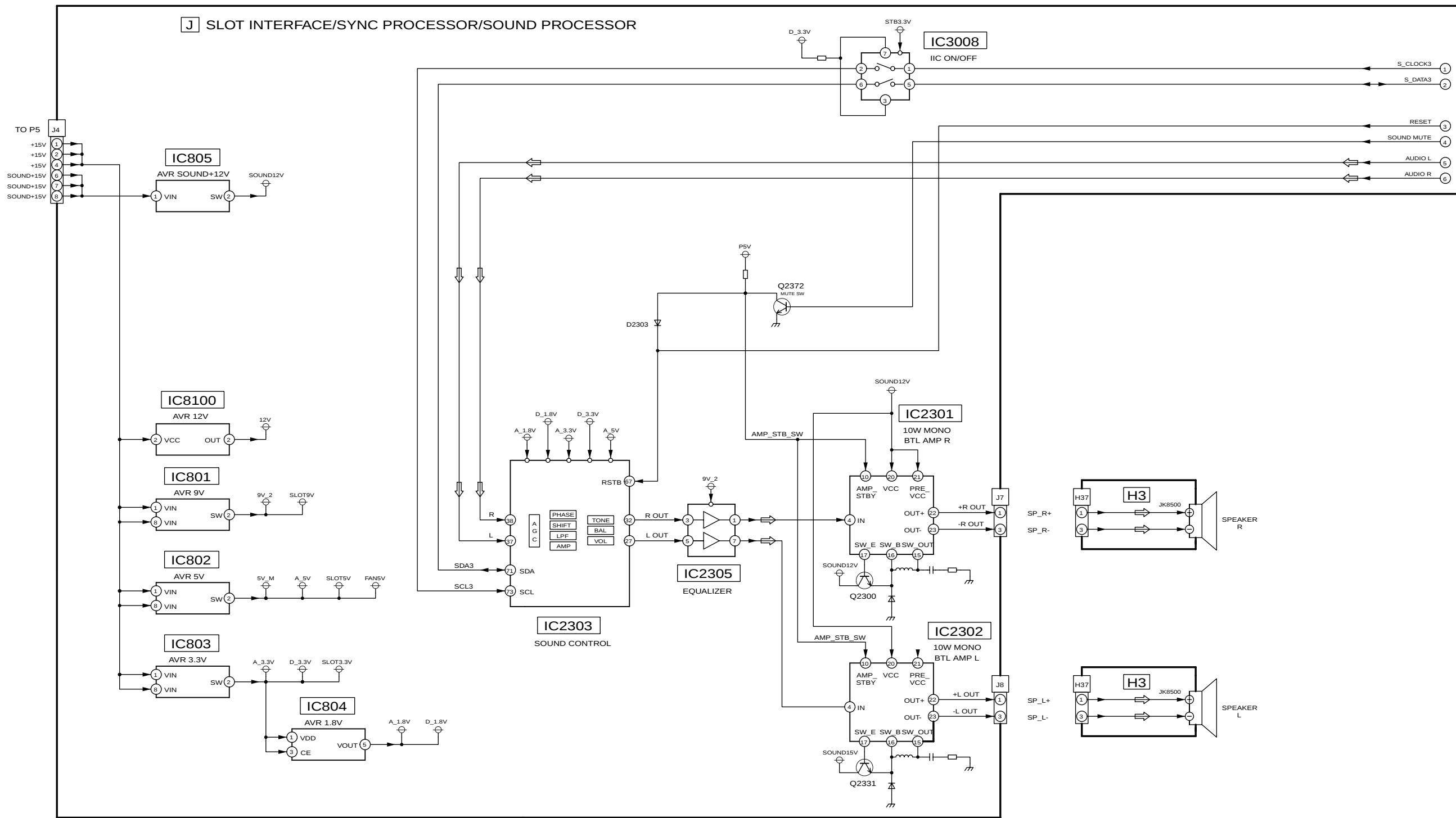
14.14. HX-Board Block and Schematic Diagram



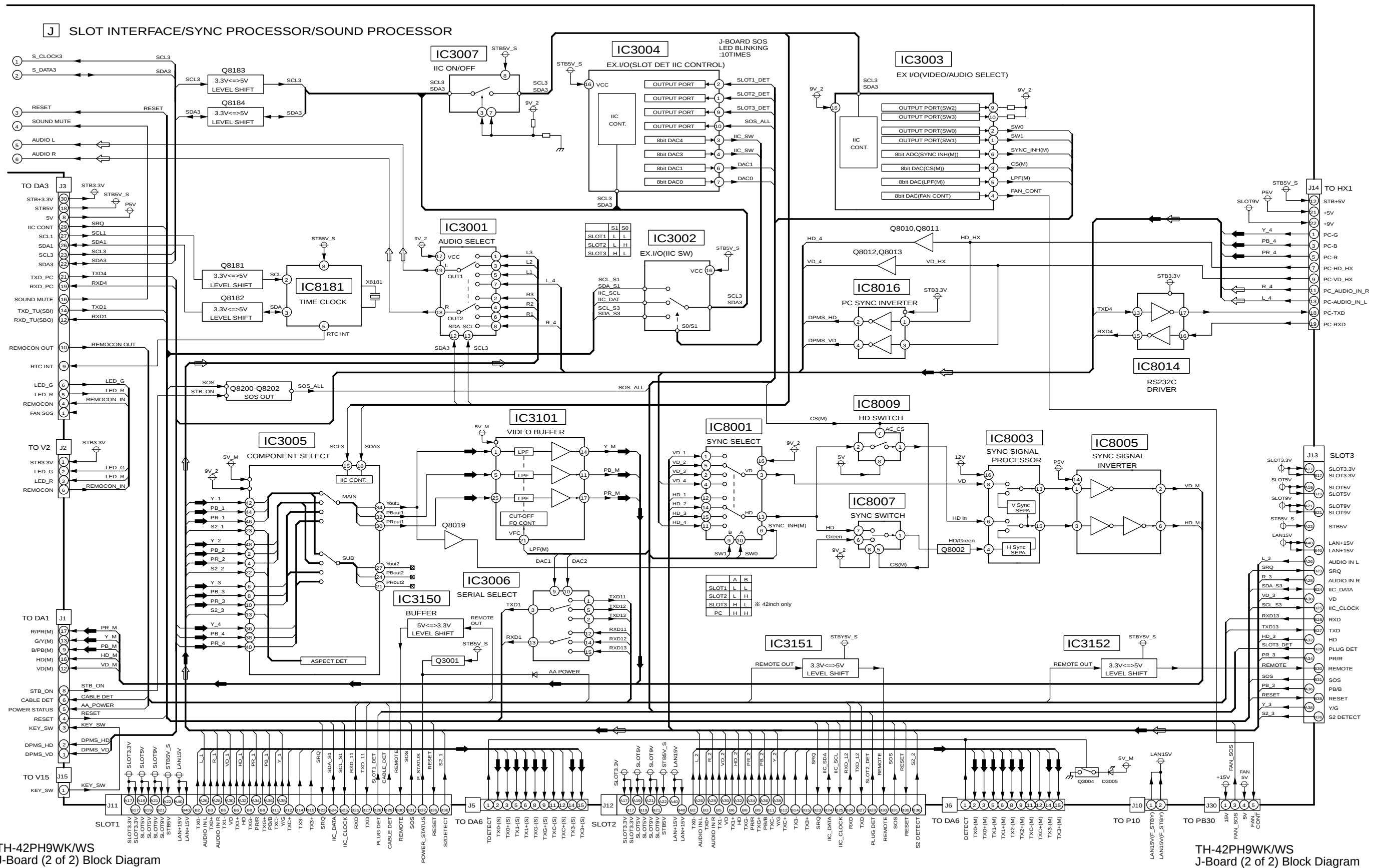
14.15. V1 and V2-Board Block and Schematic Diagram



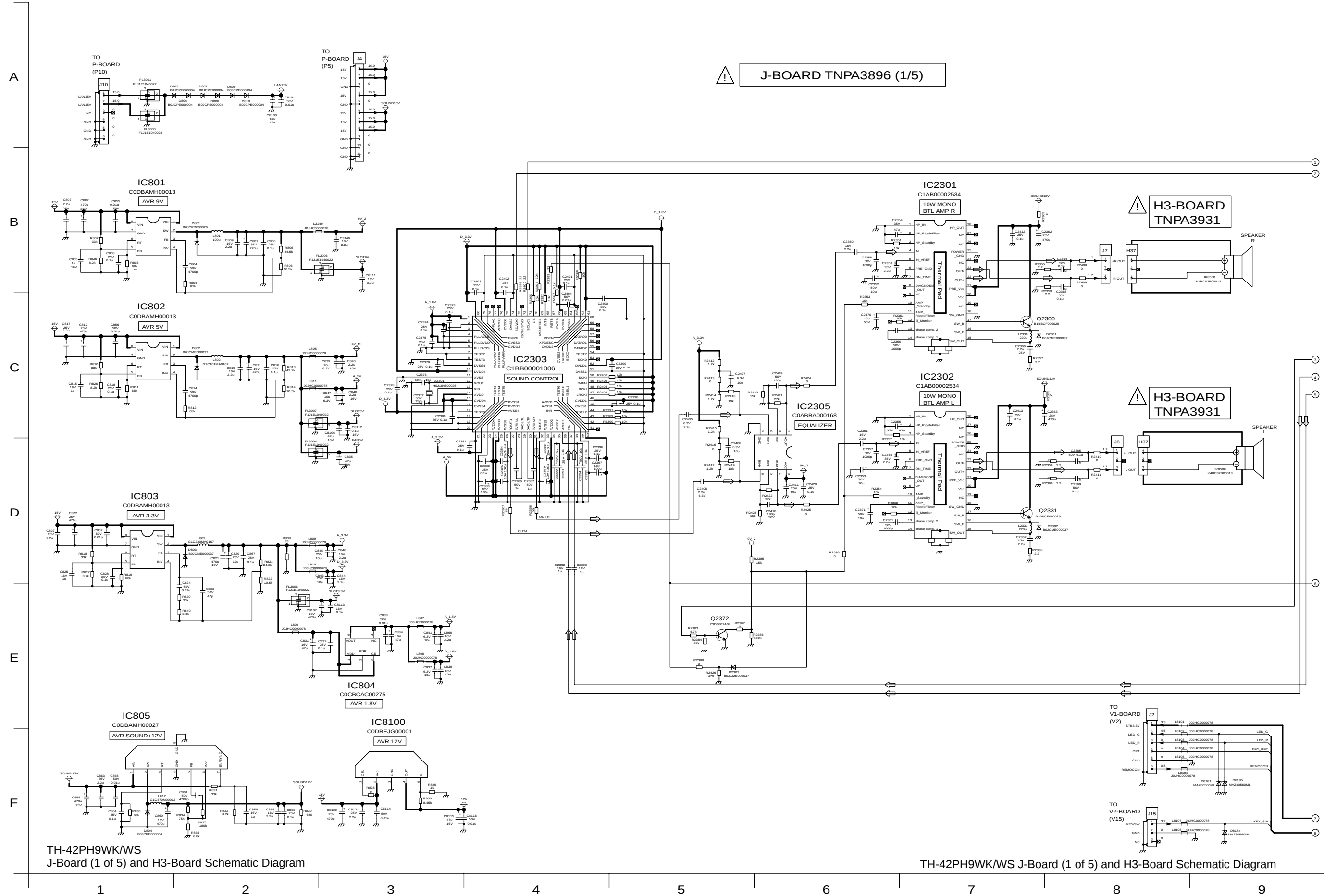
14.16. J-Board (1 of 2) Block Diagram



14.17. J-Board (2 of 2) Block Diagram

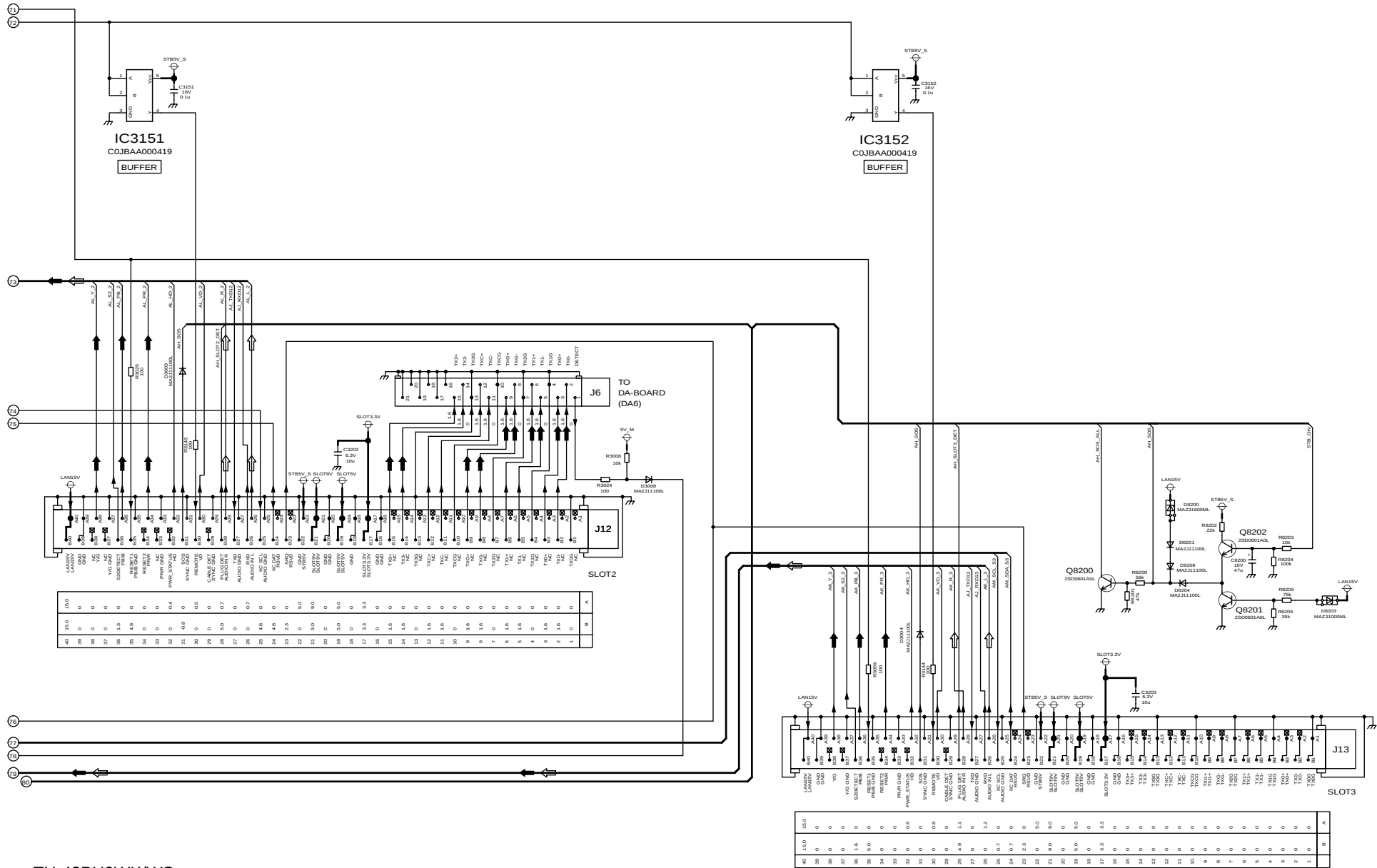


14.18. J-Board (1 of 5) and H3-Board Schematic Diagram



14.22. J-Board (5 of 5) Schematic Diagram

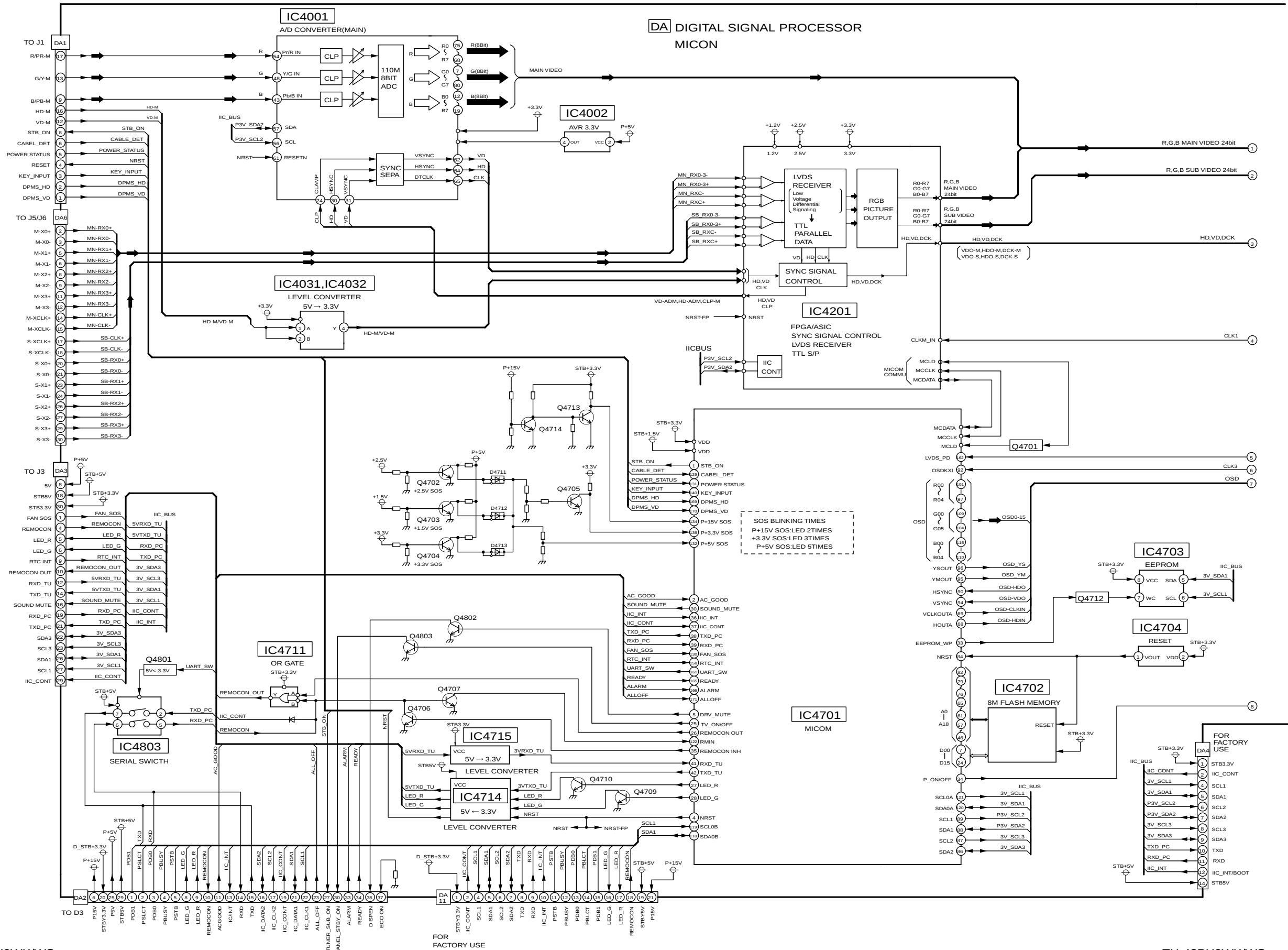
J-BOARD TNPA3896 (5/5)



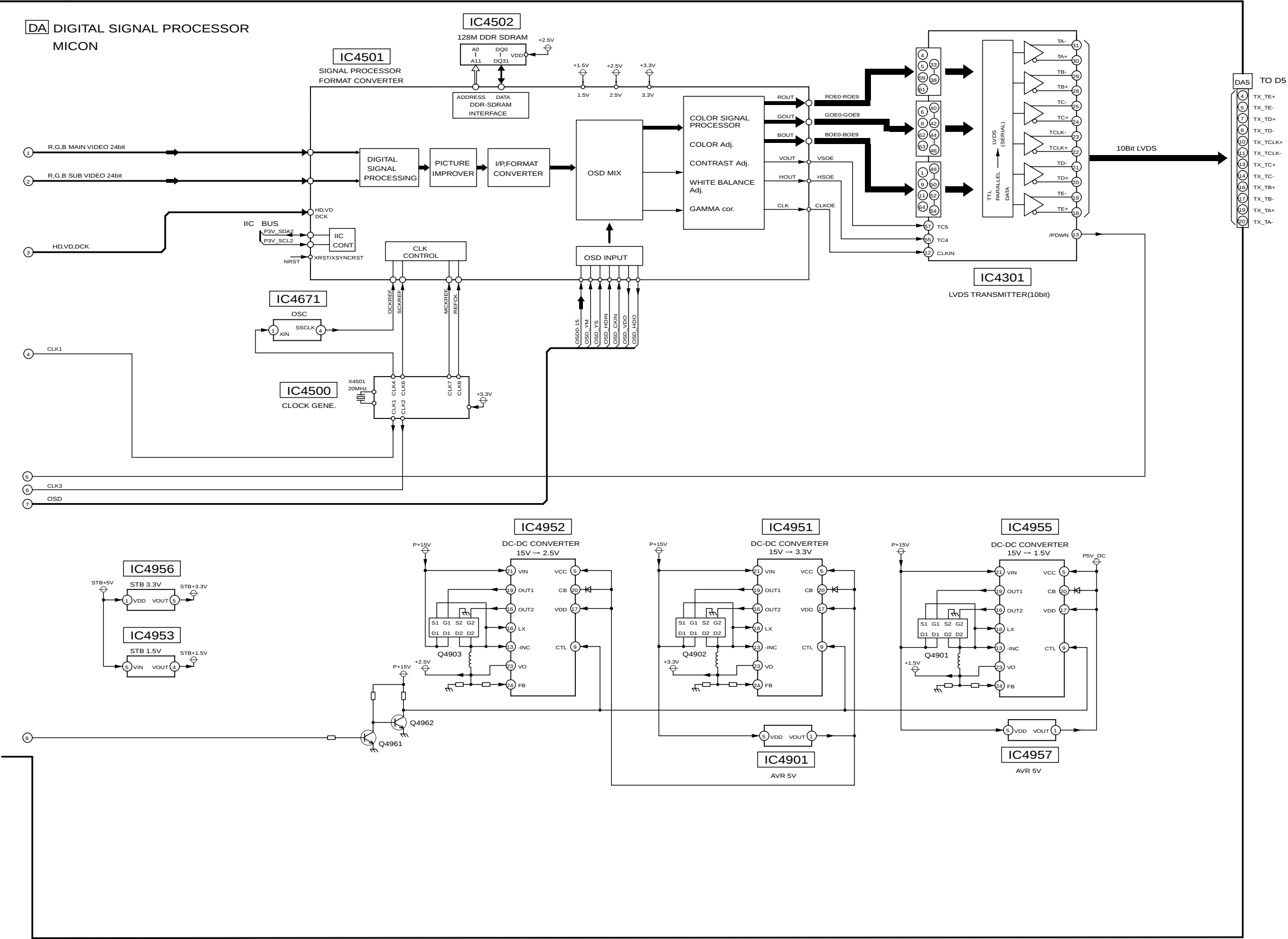
TH-42PH9WK/WS
J-Board (5 of 5) Schematic Diagram

TH-42PH9WK/WS
J-Board (5 of 5) Schematic Diagram

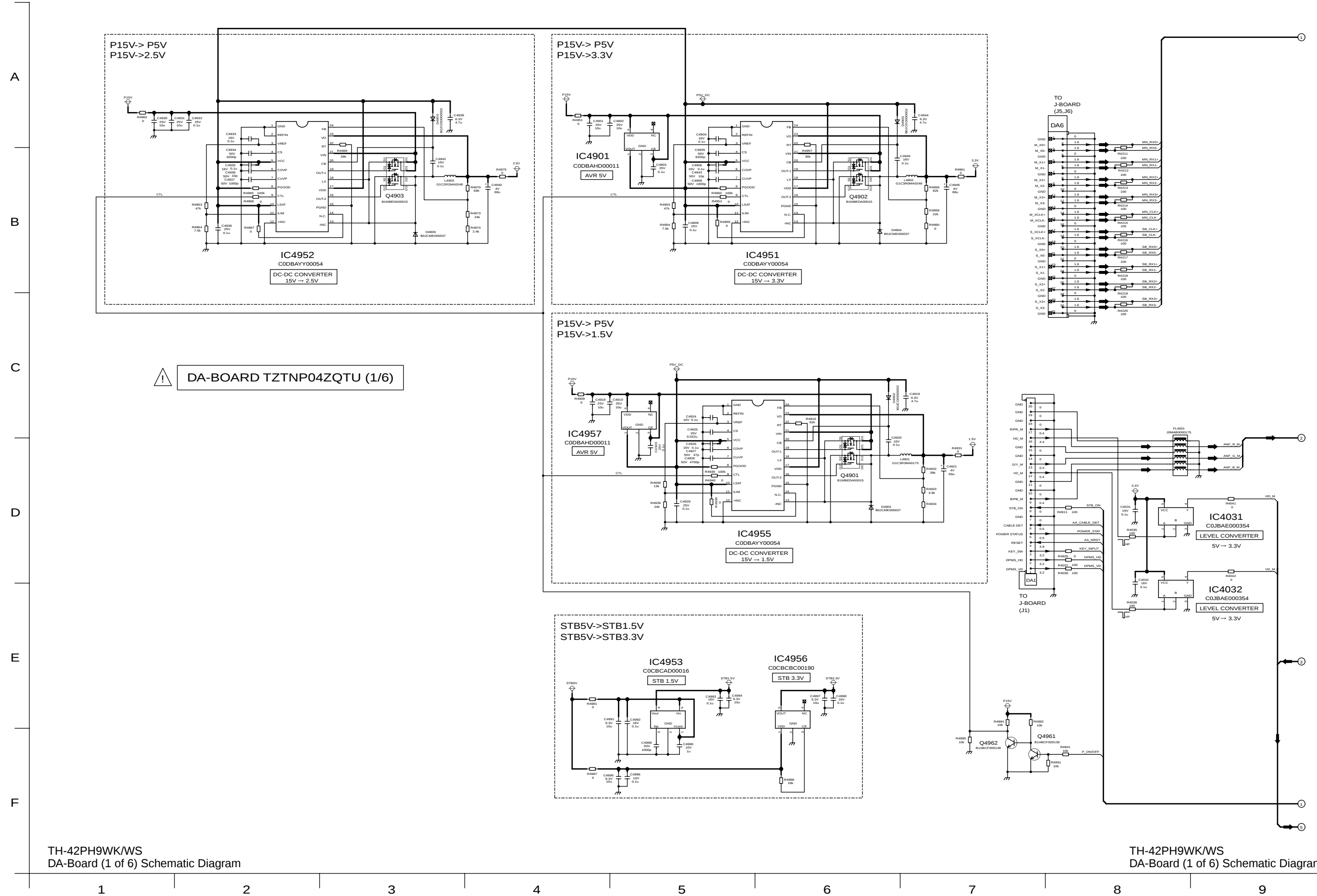
14.23. DA-Board (1 of 2) Block Diagram

TH-42PH9WK/WS
DA-Board (1 of 2) Block DiagramTH-42PH9WK/WS
DA-Board (1 of 2) Block Diagram

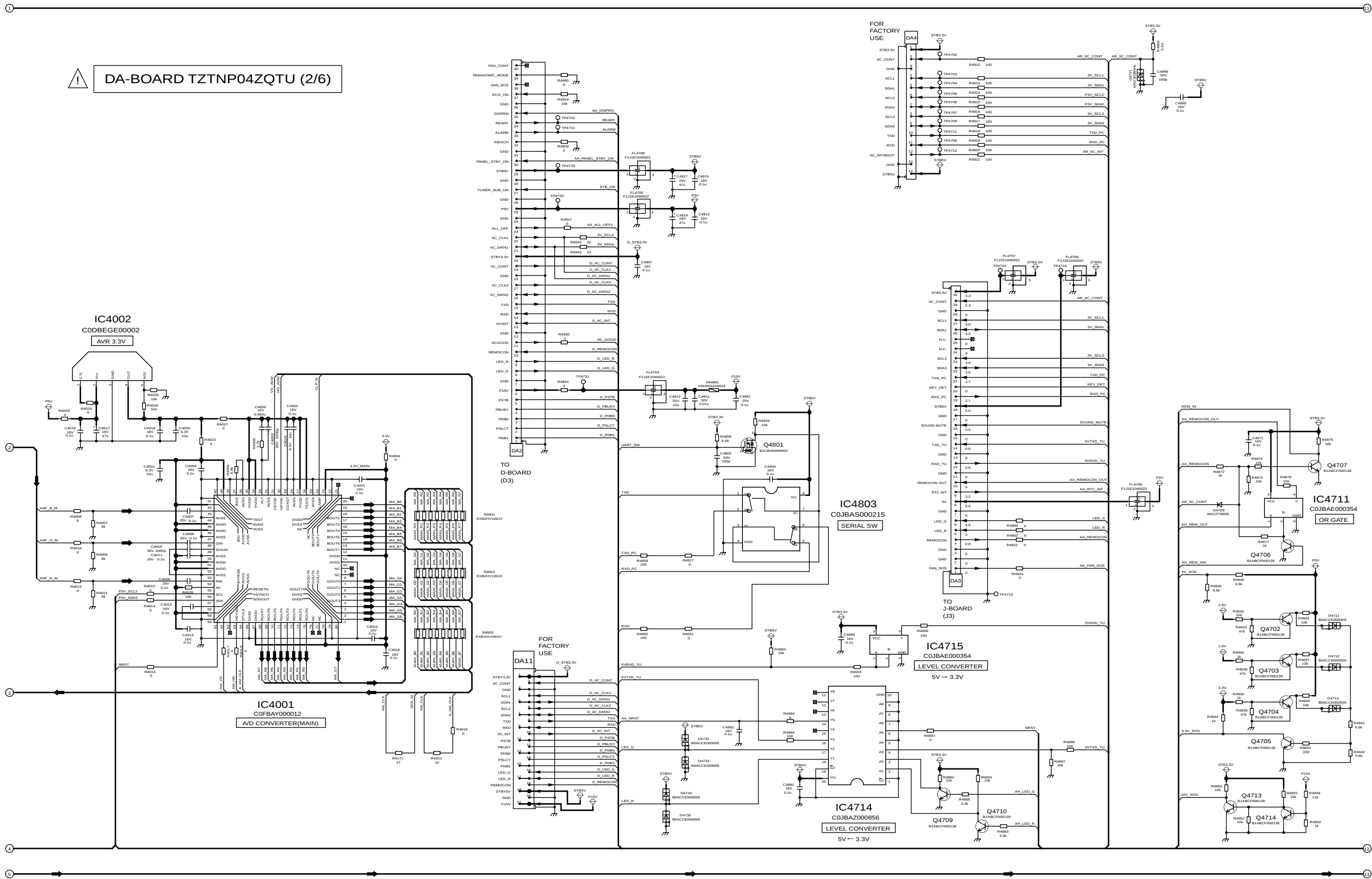
14.24. DA-Board (2 of 2) Block Diagram



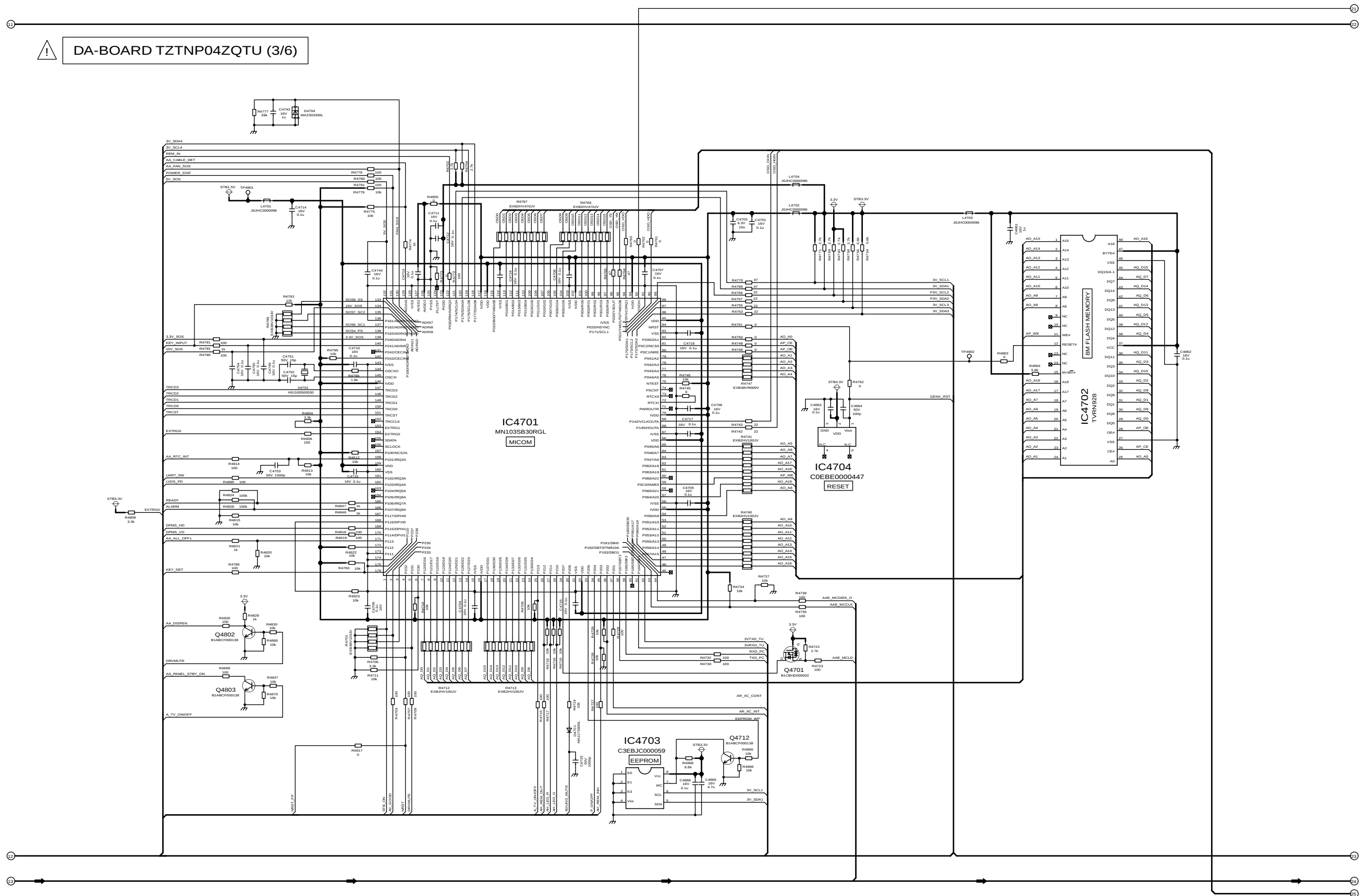
14.25. DA-Board (1 of 6) Schematic Diagram



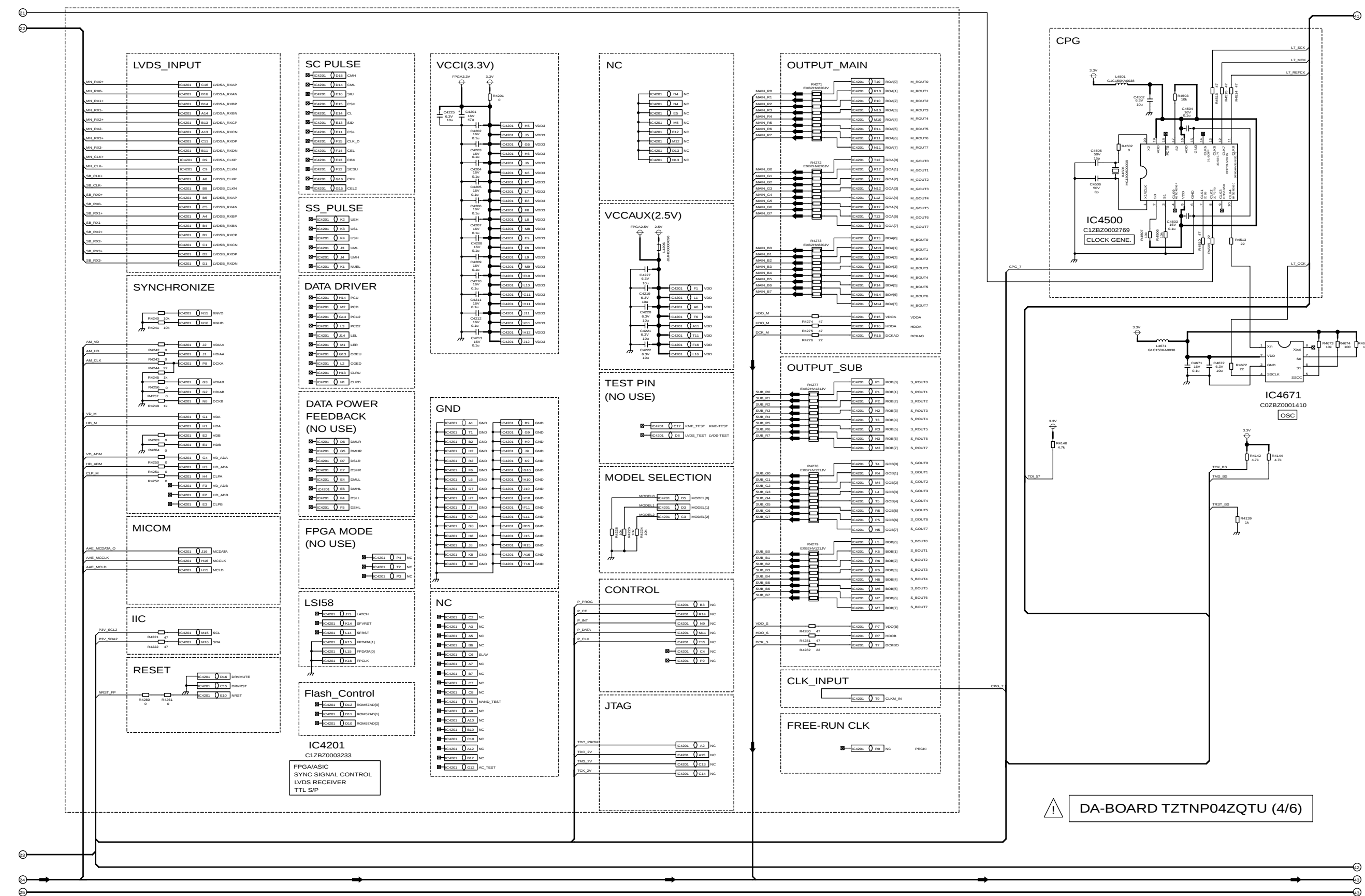
14.26. DA-Board (2 of 6) Schematic Diagram



14.27. DA-Board (3 of 6) Schematic Diagram

TH-42PH9WK/WS
DA-Board (3 of 6) Schematic DiagramTH-42PH9WK/WS
DA-Board (3 of 6) Schematic Diagram

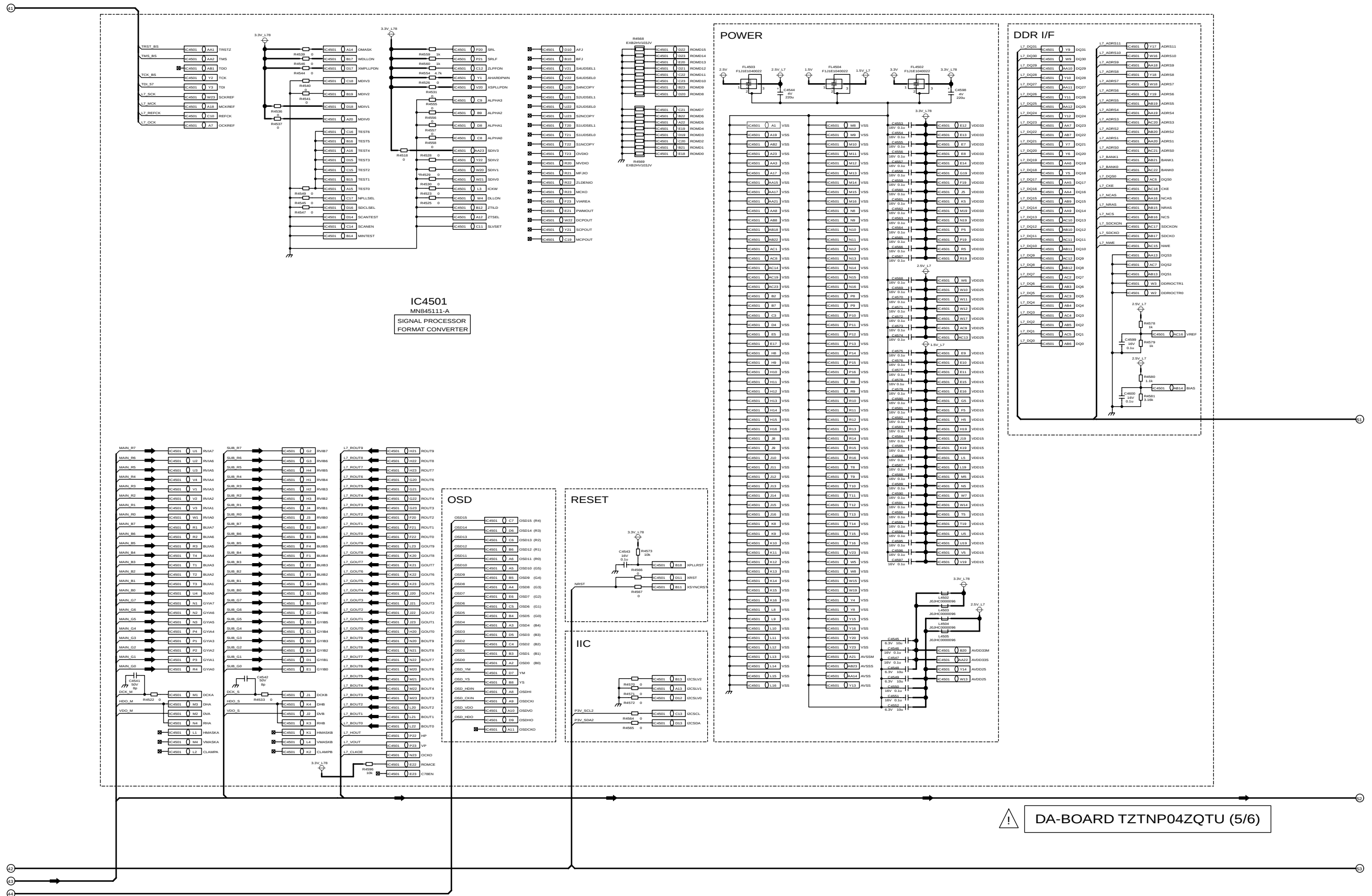
14.28. DA-Board (4 of 6) Schematic Diagram



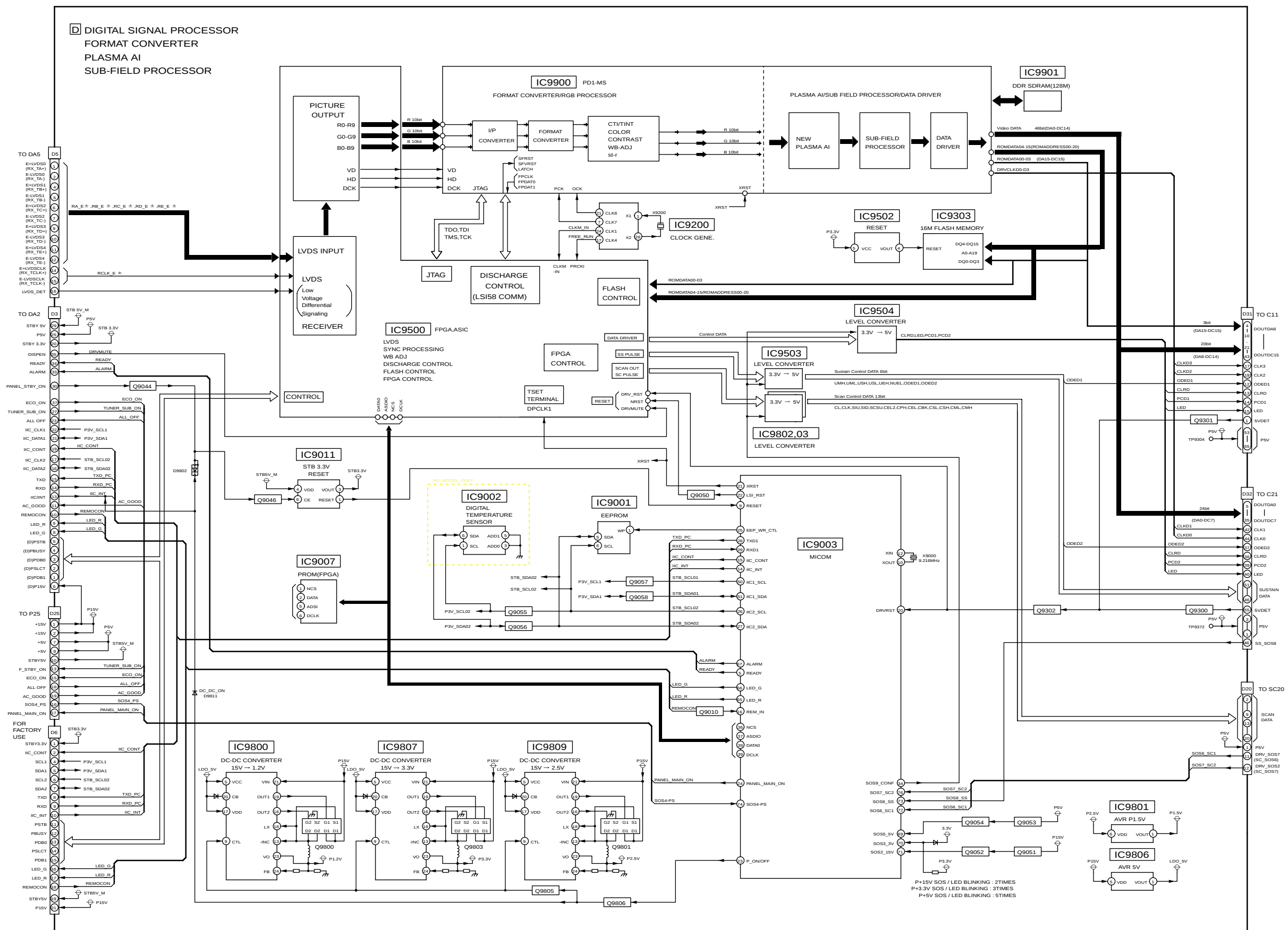
TH-42PH9WK/WS
DA-Board (4 of 6) Schematic Diagram

TH-42PH9WK/WS
DA-Board (4 of 6) Schematic Diagram

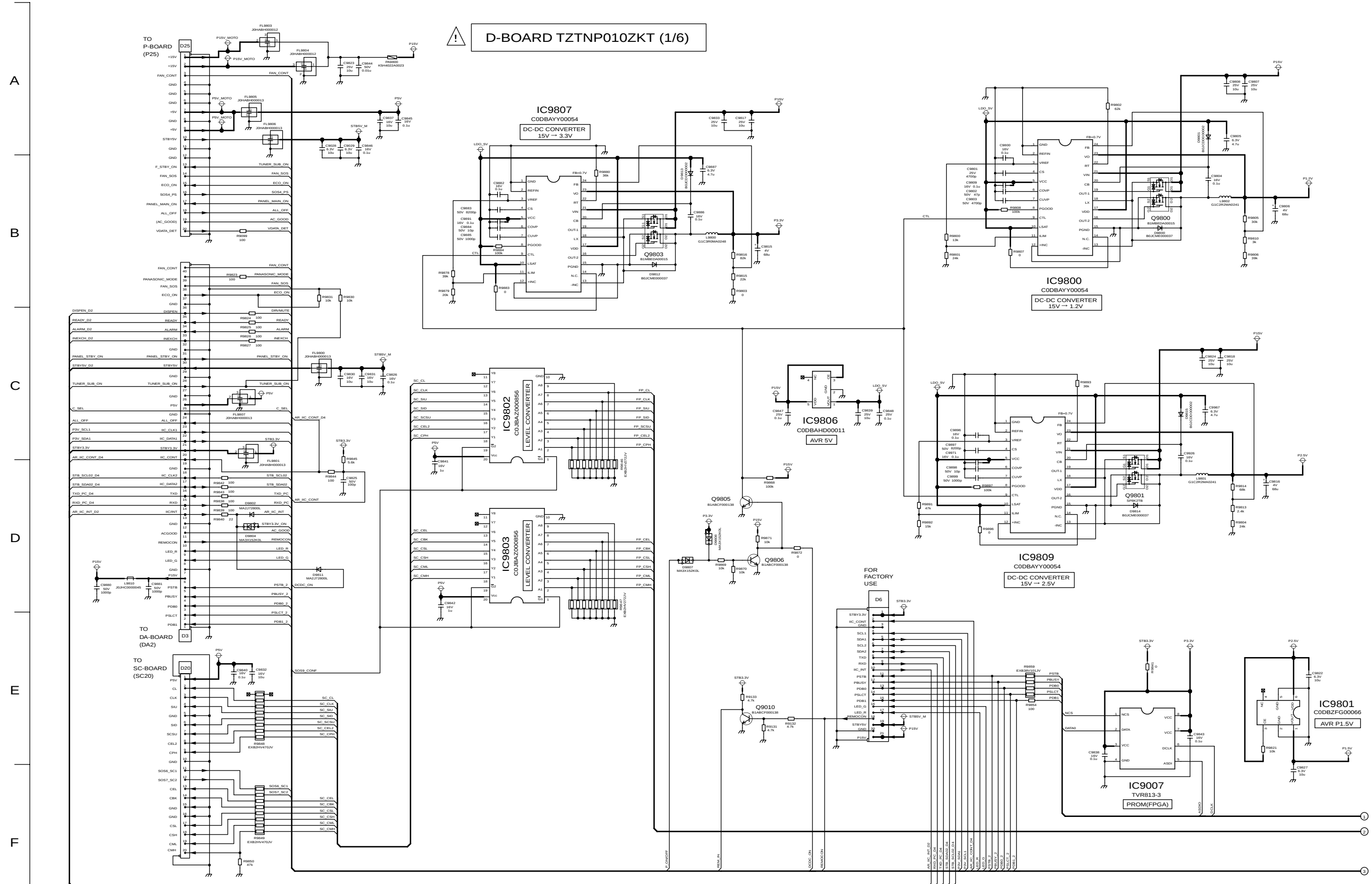
14.29. DA-Board (5 of 6) Schematic Diagram

TH-42PH9WK/WS
DA-Board (5 of 6) Schematic DiagramTH-42PH9WK/WS
DA-Board (5 of 6) Schematic Diagram

14.31. D-Board Block Diagram



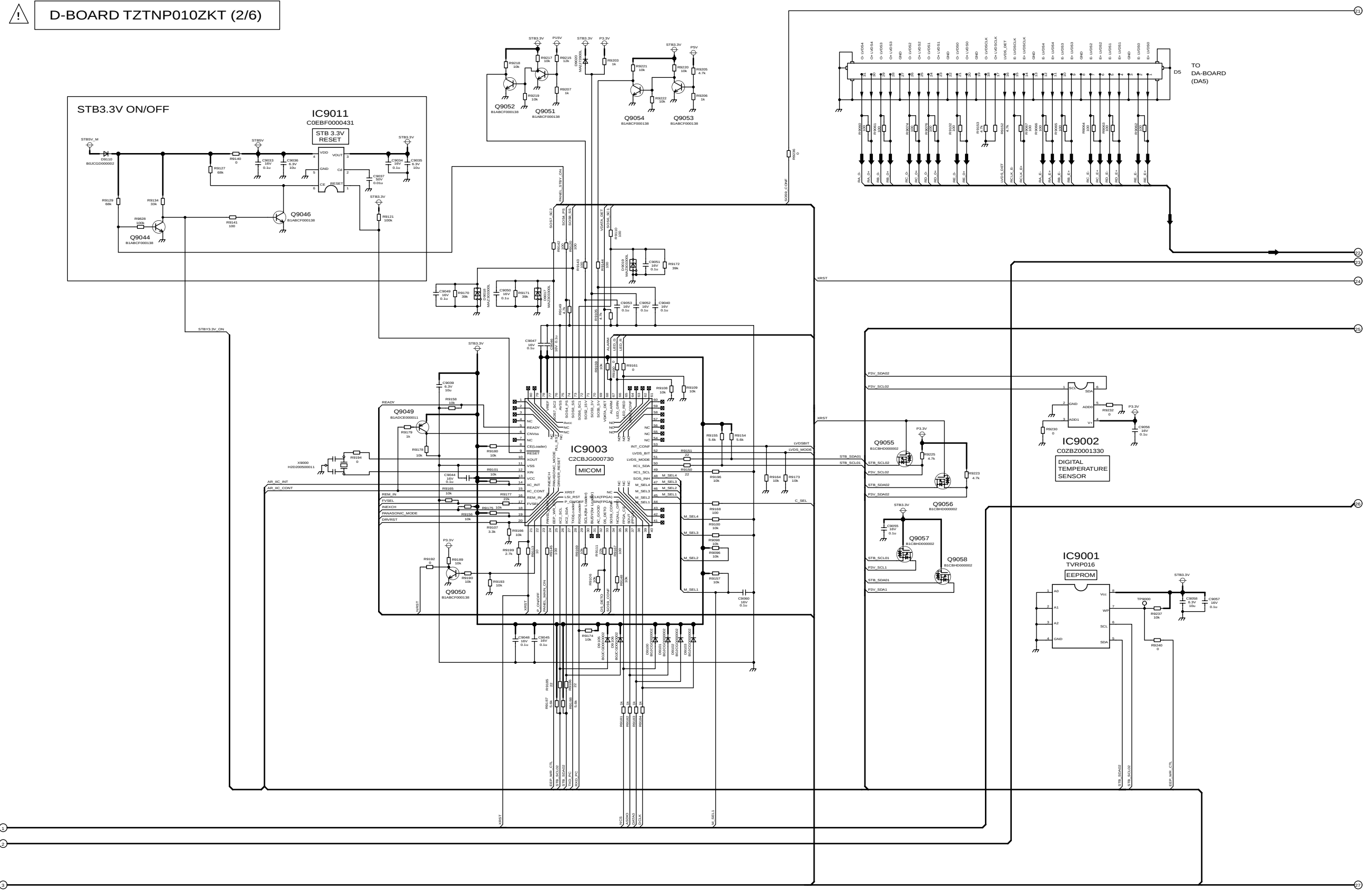
14.32. D-Board (1 of 6) Schematic Diagram

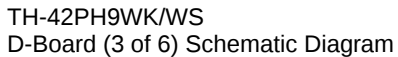


TH-42PH9WK/WS D-Board (1 of 6) Schematic Diagram

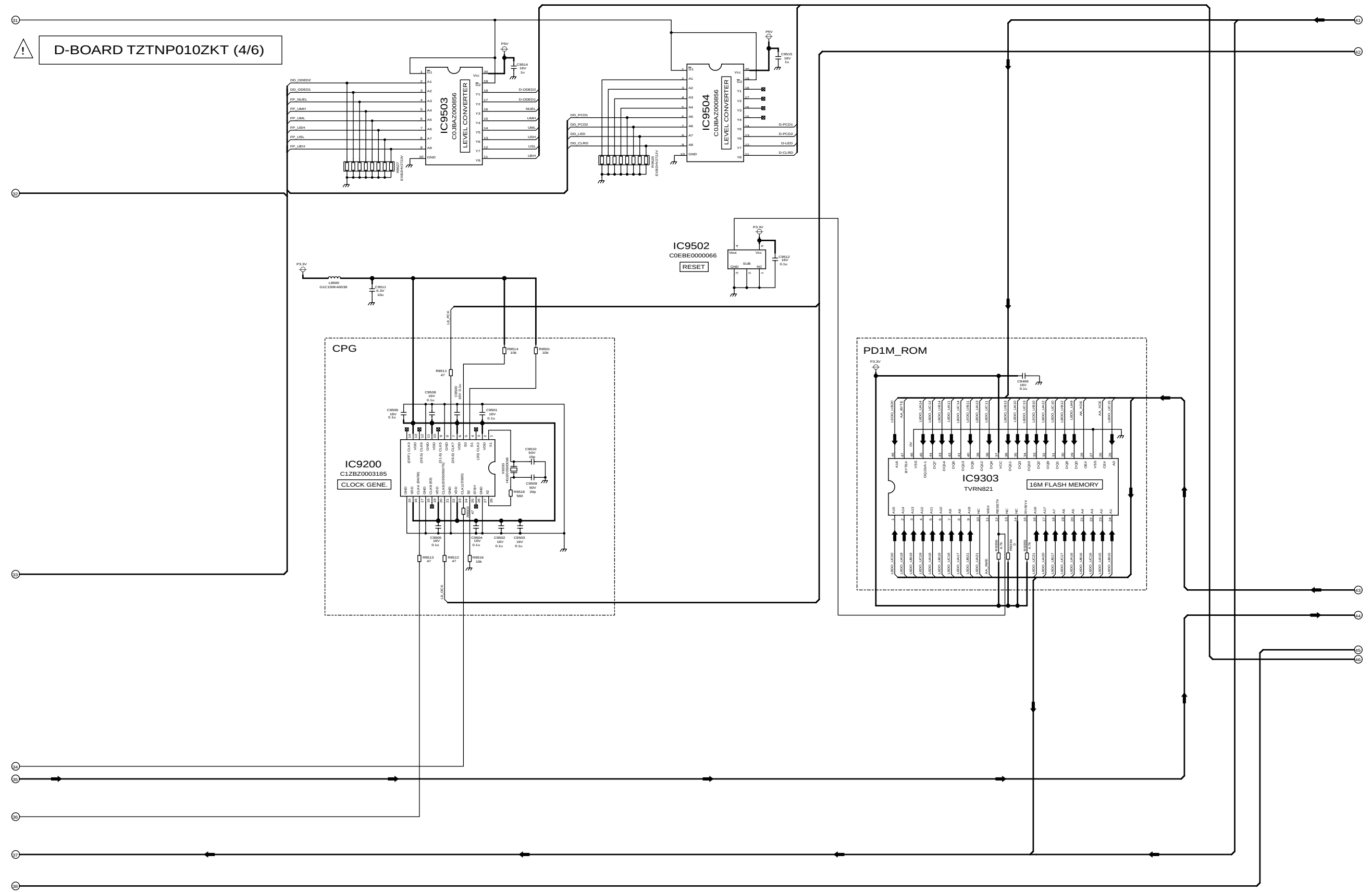
TH-42PH9WK/WS
D-Board (1 of 6) Schematic Diagram

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

TH-42PH9WK/WS
D-Board (2 of 6) Schematic DiagramTH-42PH9WK/WS
D-Board (2 of 6) Schematic Diagram

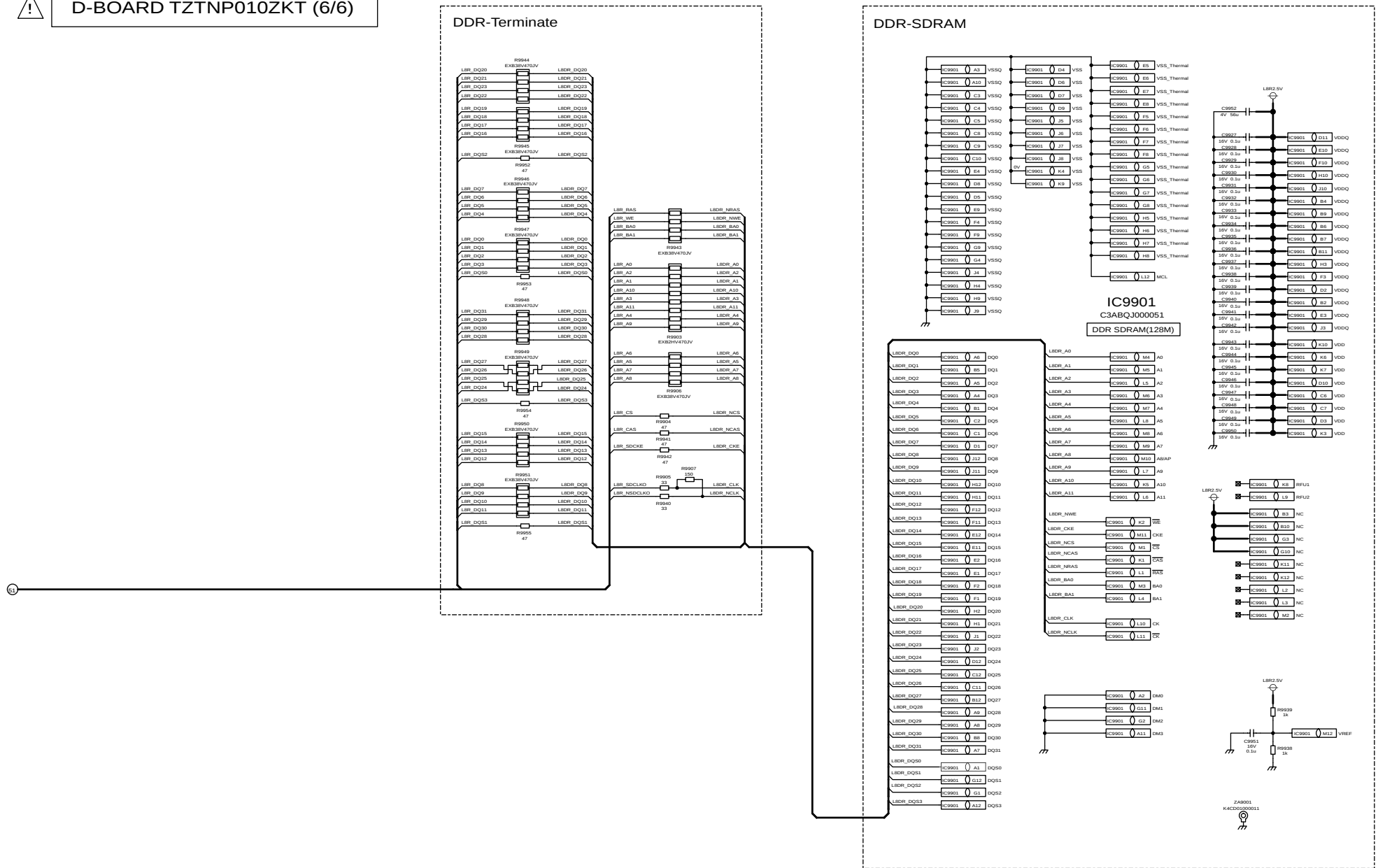


14.35. D-Board (4 of 6) Schematic Diagram

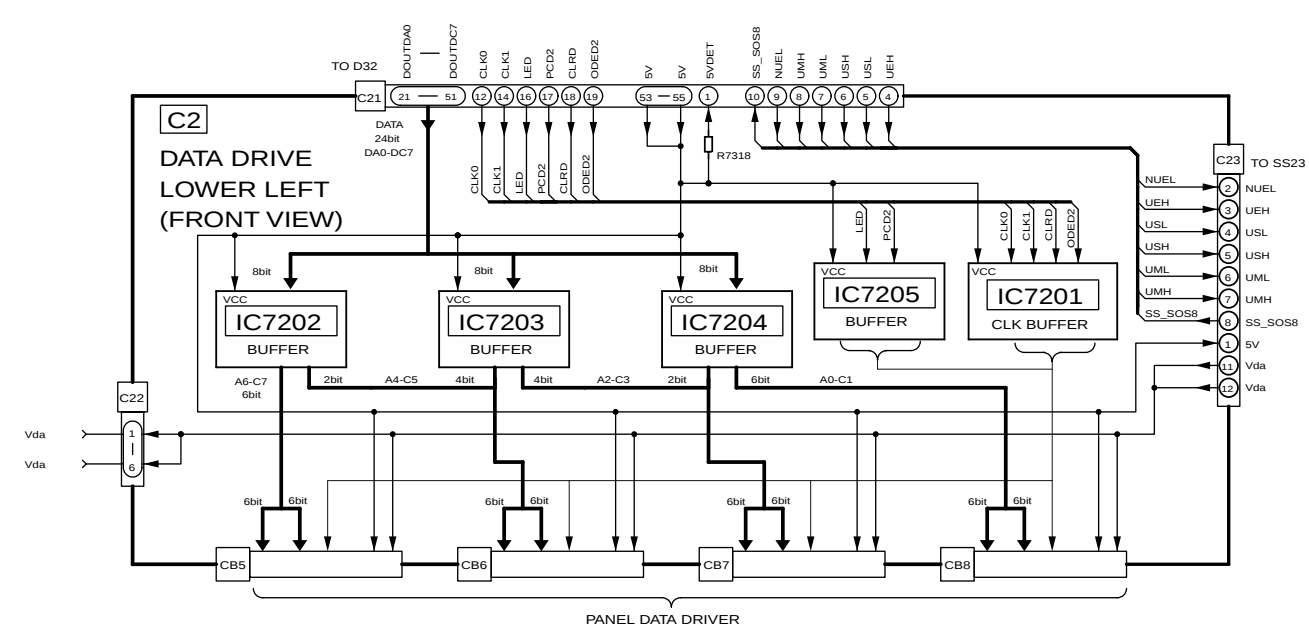
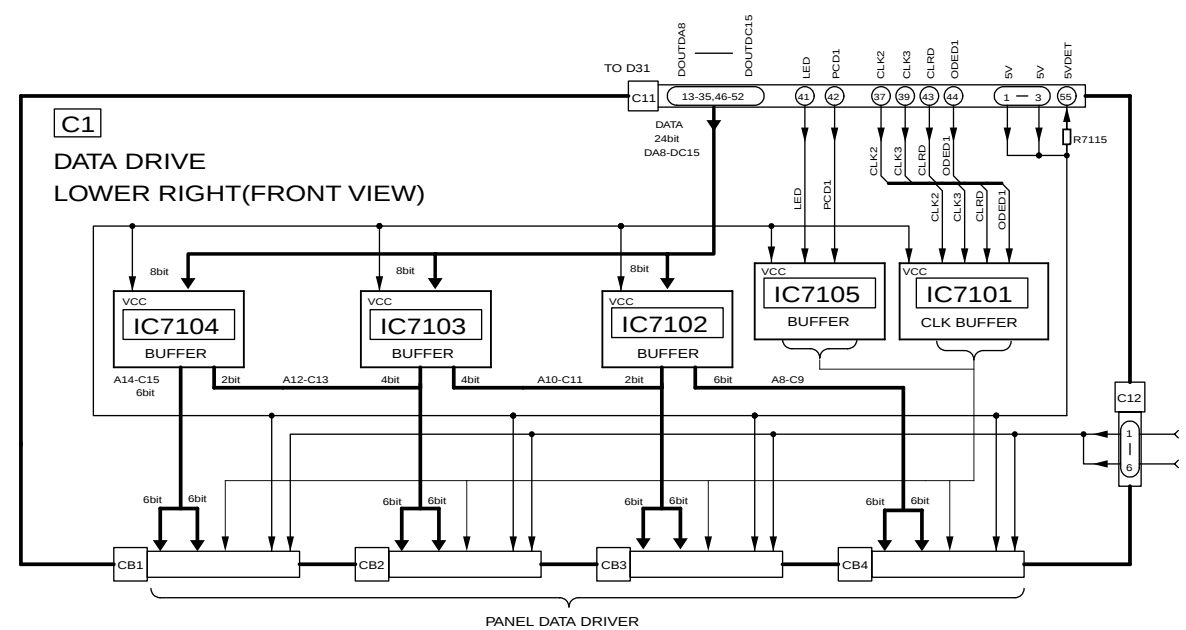
TH-42PH9WK/WS
D-Board (4 of 6) Schematic DiagramTH-42PH9WK/WS
D-Board (4 of 6) Schematic Diagram

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

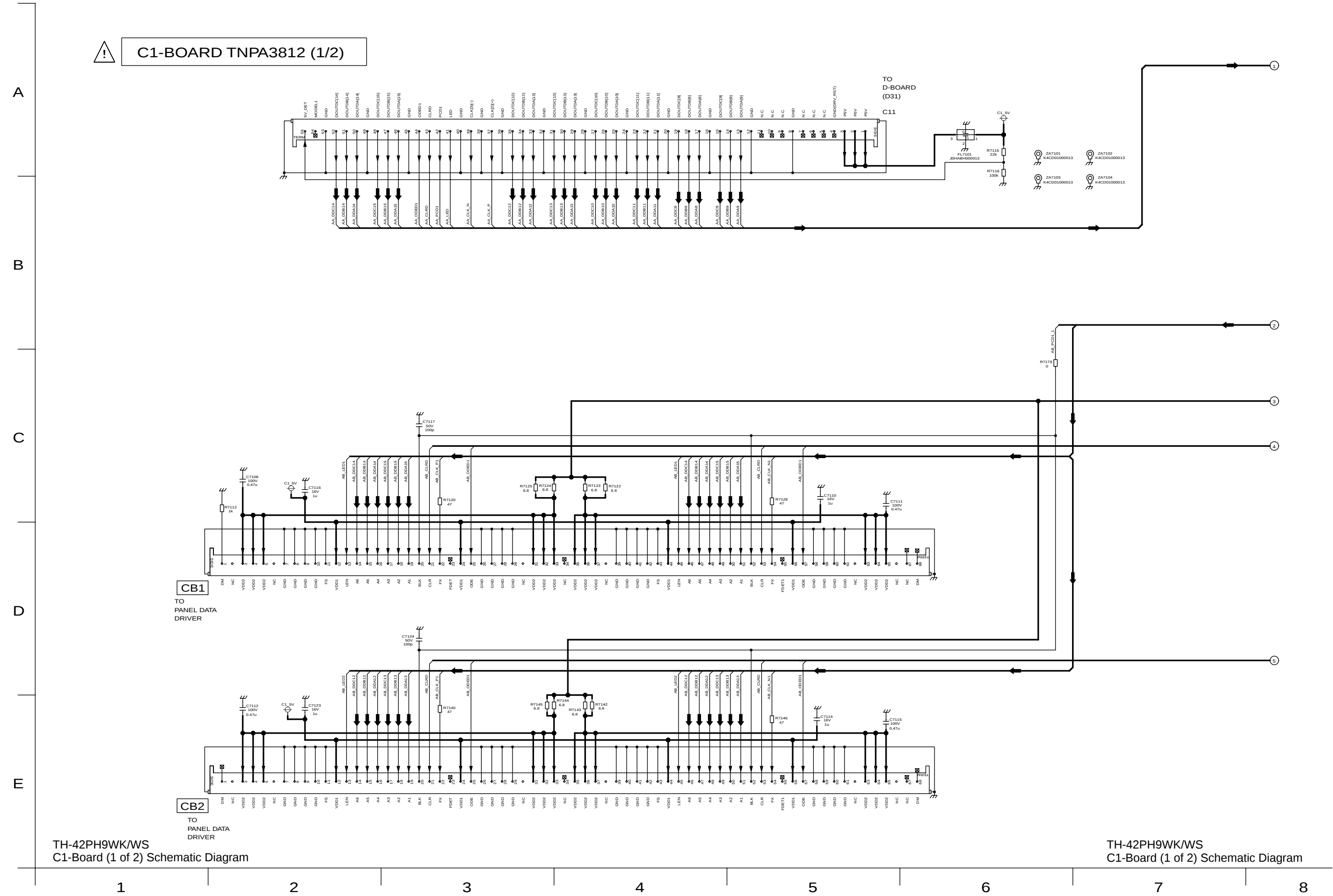
! D-BOARD TZTNP010ZKT (6/6)



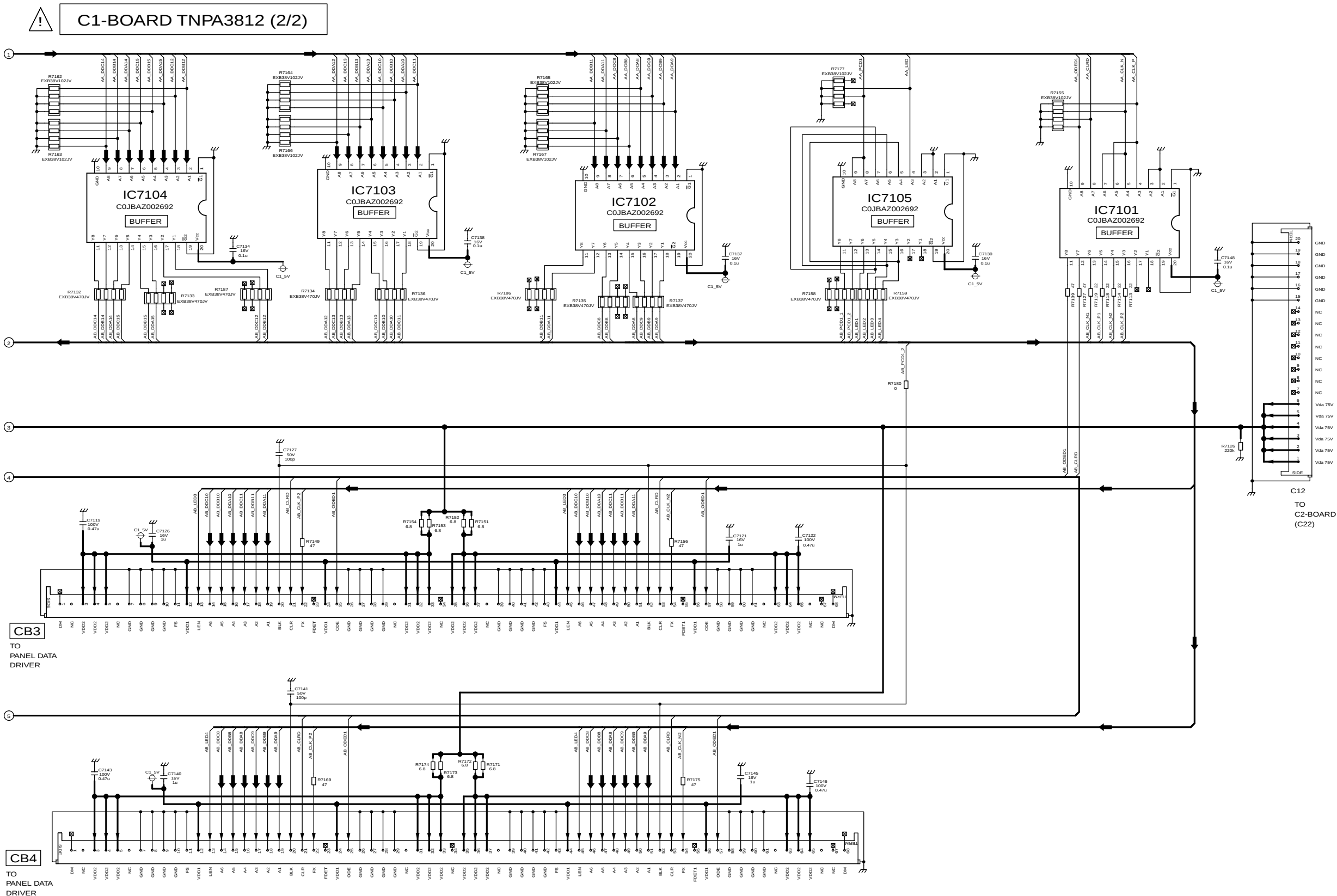
14.38. C1 and C2-Board Block Diagram



14.39. C1-Board (1 of 2) Schematic Diagram



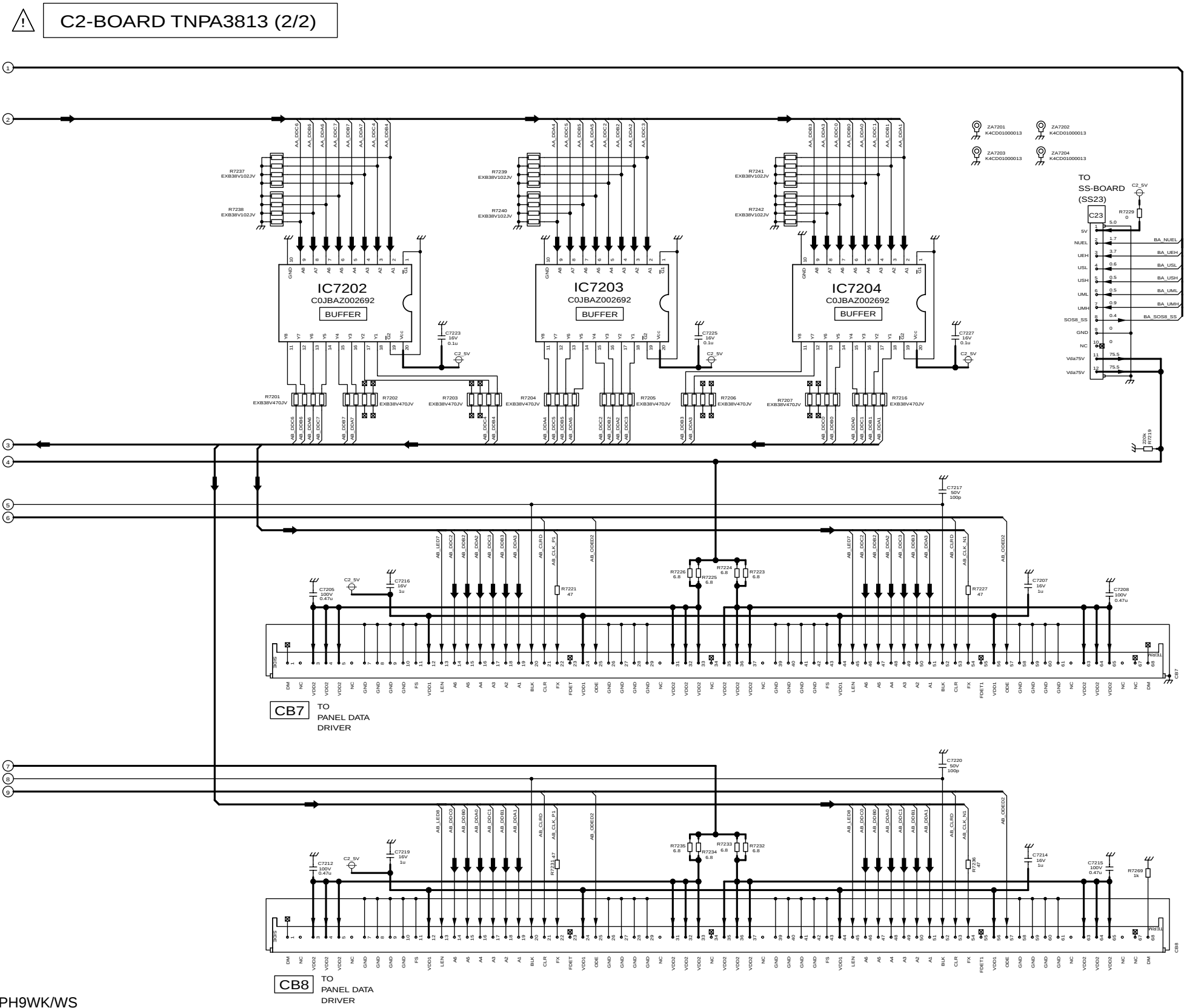
14.40. C1-Board (2 of 2) Schematic Diagram



TH-42PH9WK/WS
C1-Board (2 of 2) Schematic Diagram

TH-42PH9WK/WS
C1-Board (2 of 2) Schematic Diagram

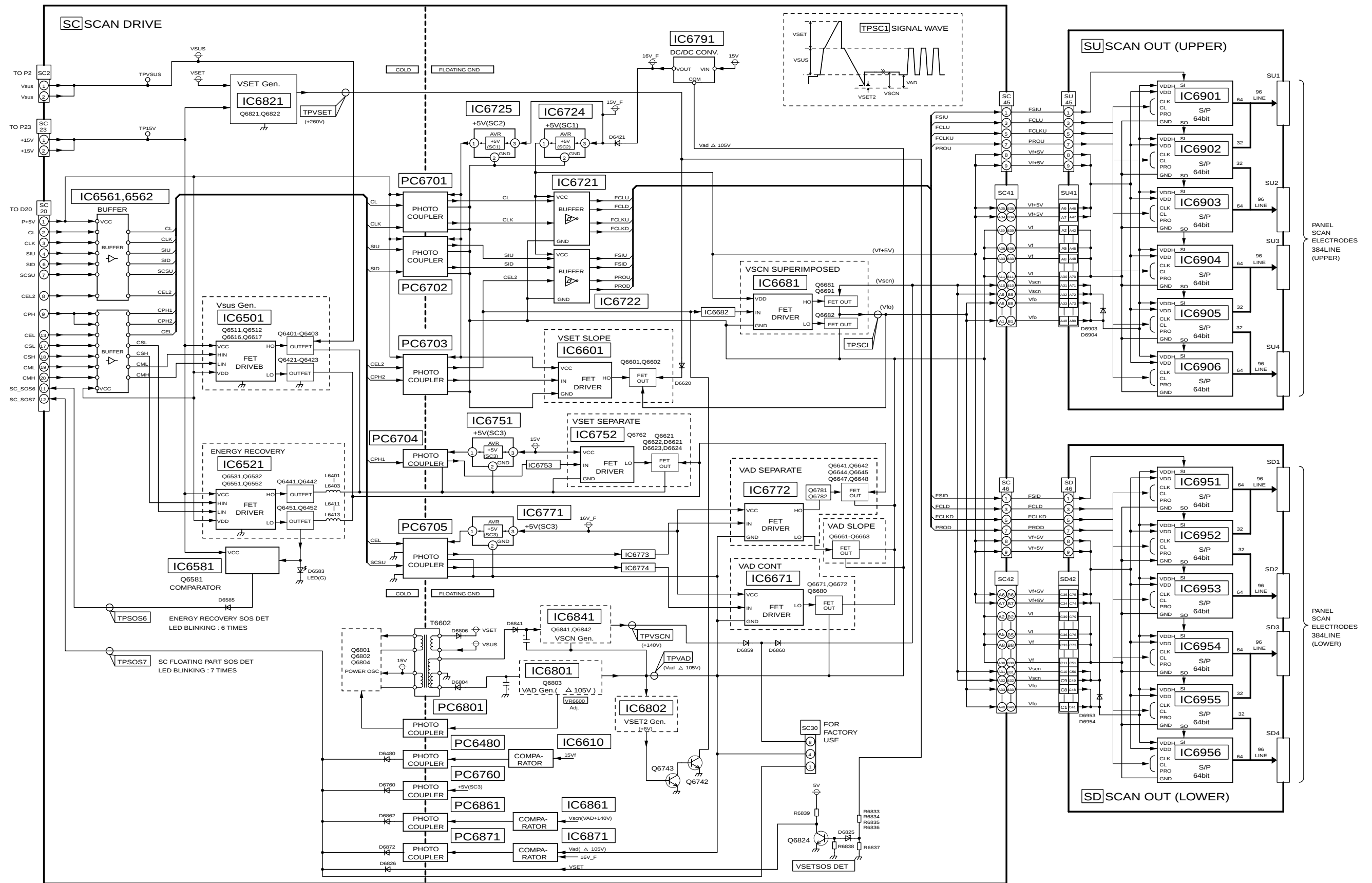
14.42. C2-Board (2 of 2) Schematic Diagram



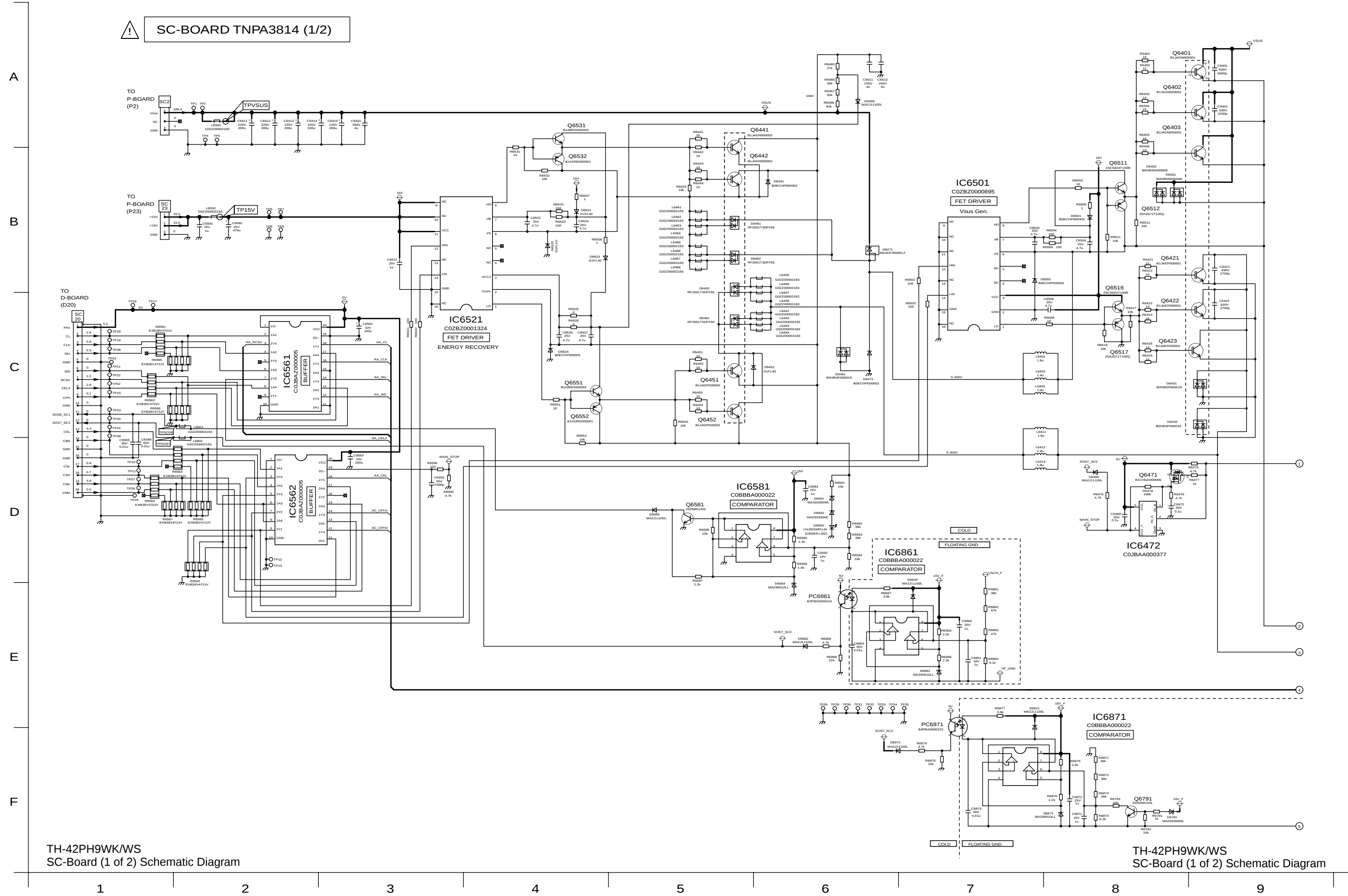
TH-42PH9WK/WS
C2-Board (2 of 2) Schematic Diagram

TH-42PH9WK/WS
C2-Board (2 of 2) Schematic Diagram

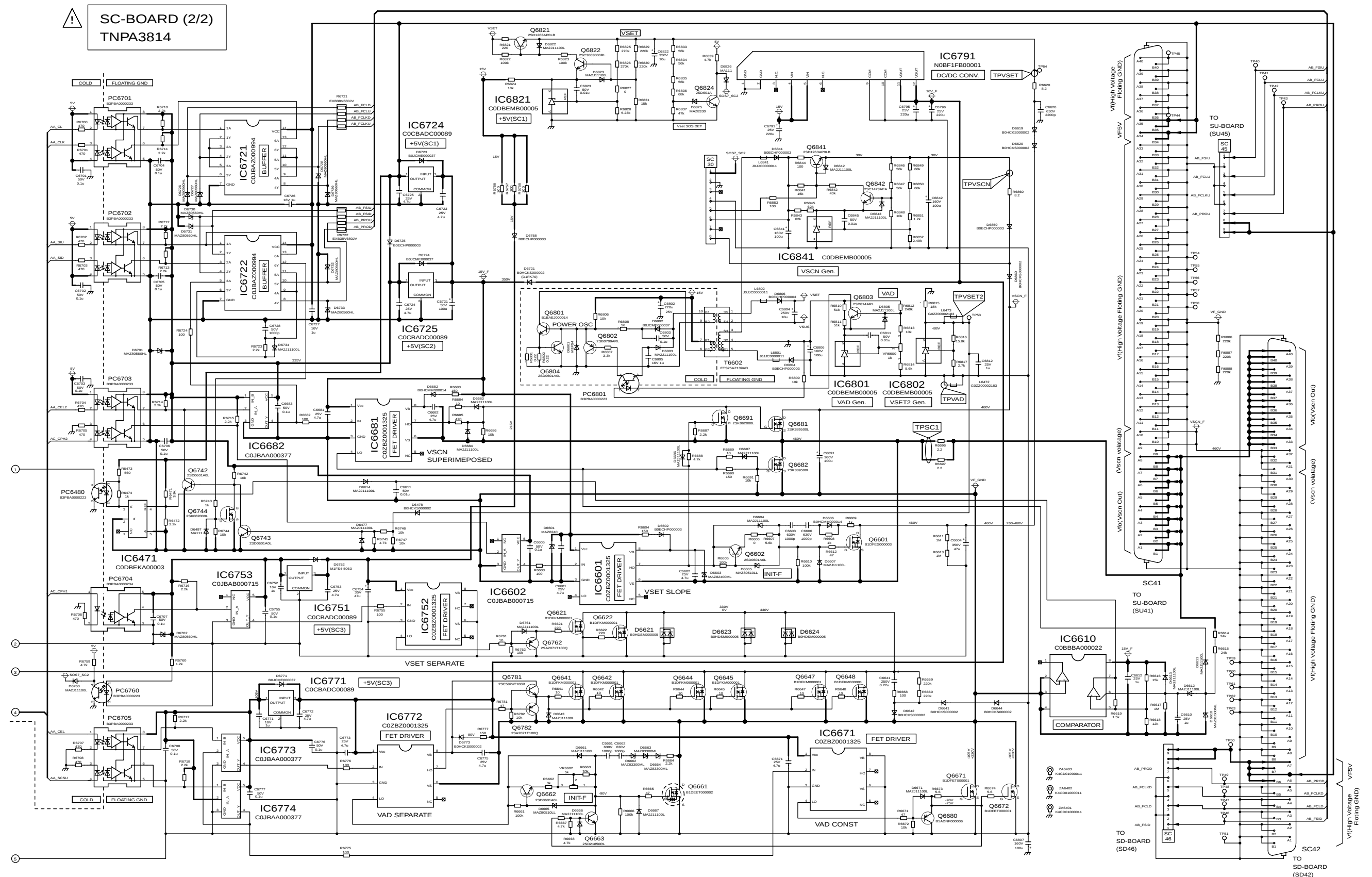
14.43. SC, SU and SD-Board Block Diagram



14.44. SC-Board (1 of 2) Schematic Diagram



14.45. SC-Board (2 of 2) Schematic Diagram

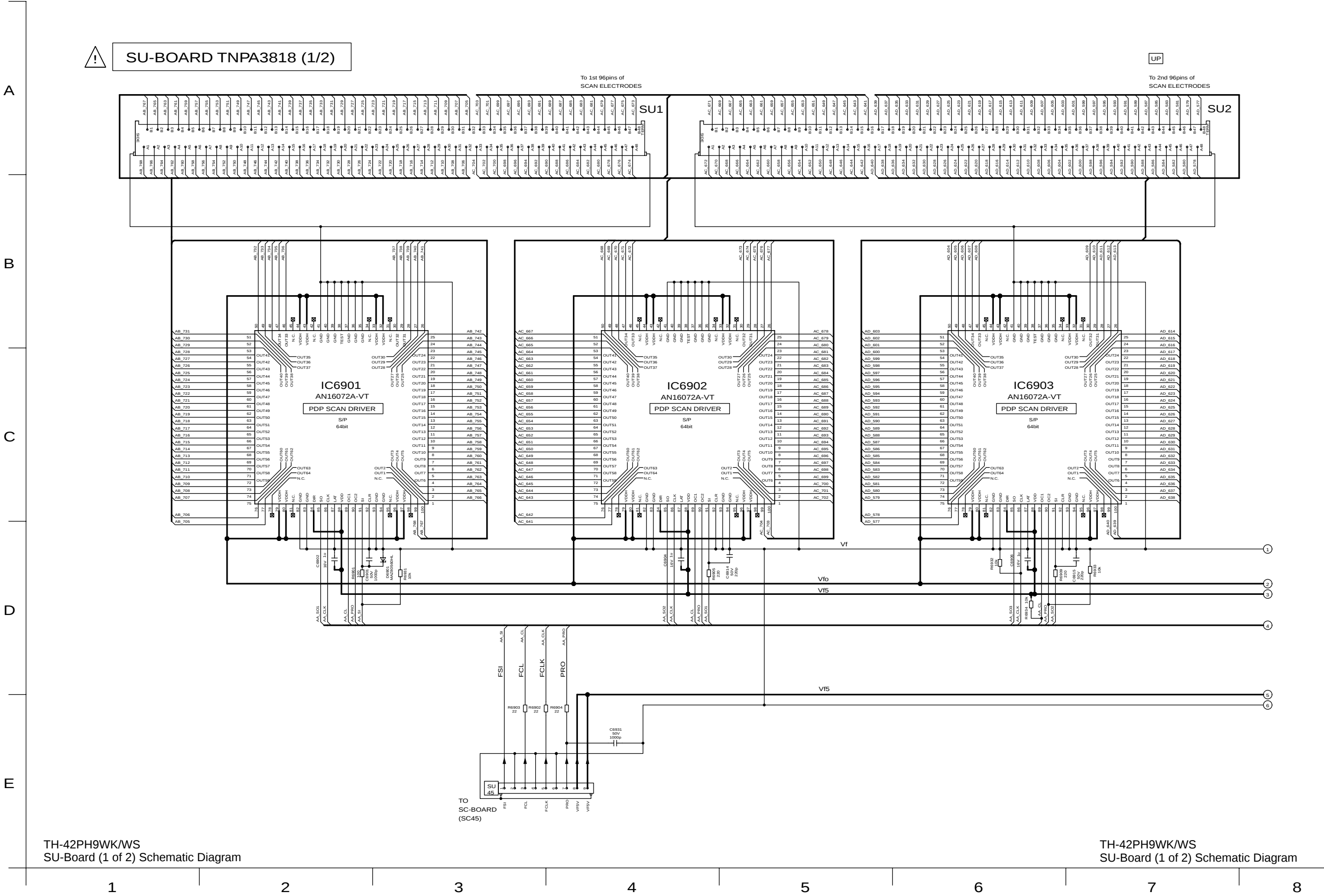


TH-42PH9WK/WS
SC-Board (2 of 2) Schematic Diagram

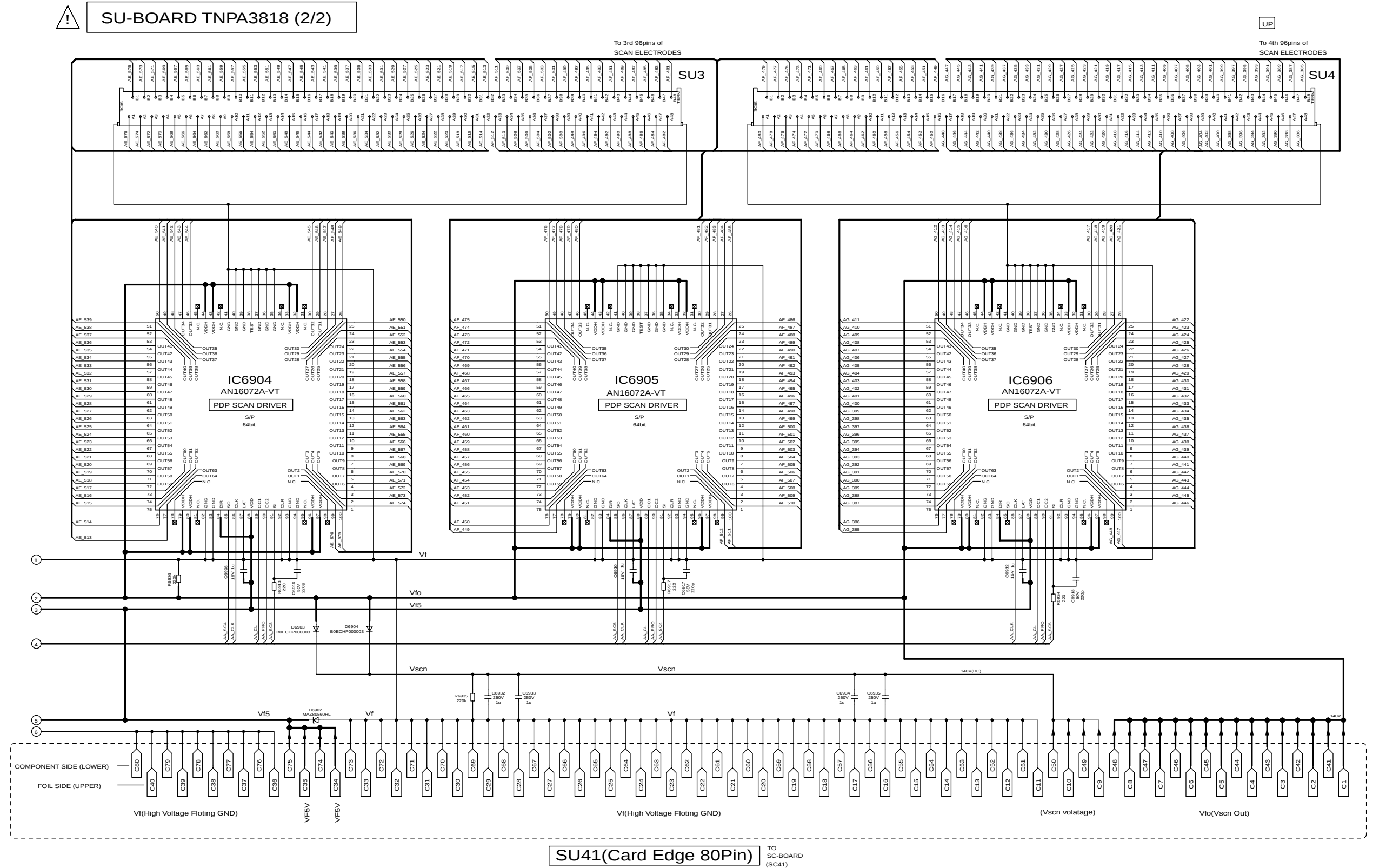
(SD42)

TH-42PH9WK/WS
SC-Board (2 of 2) Schematic Diagram

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



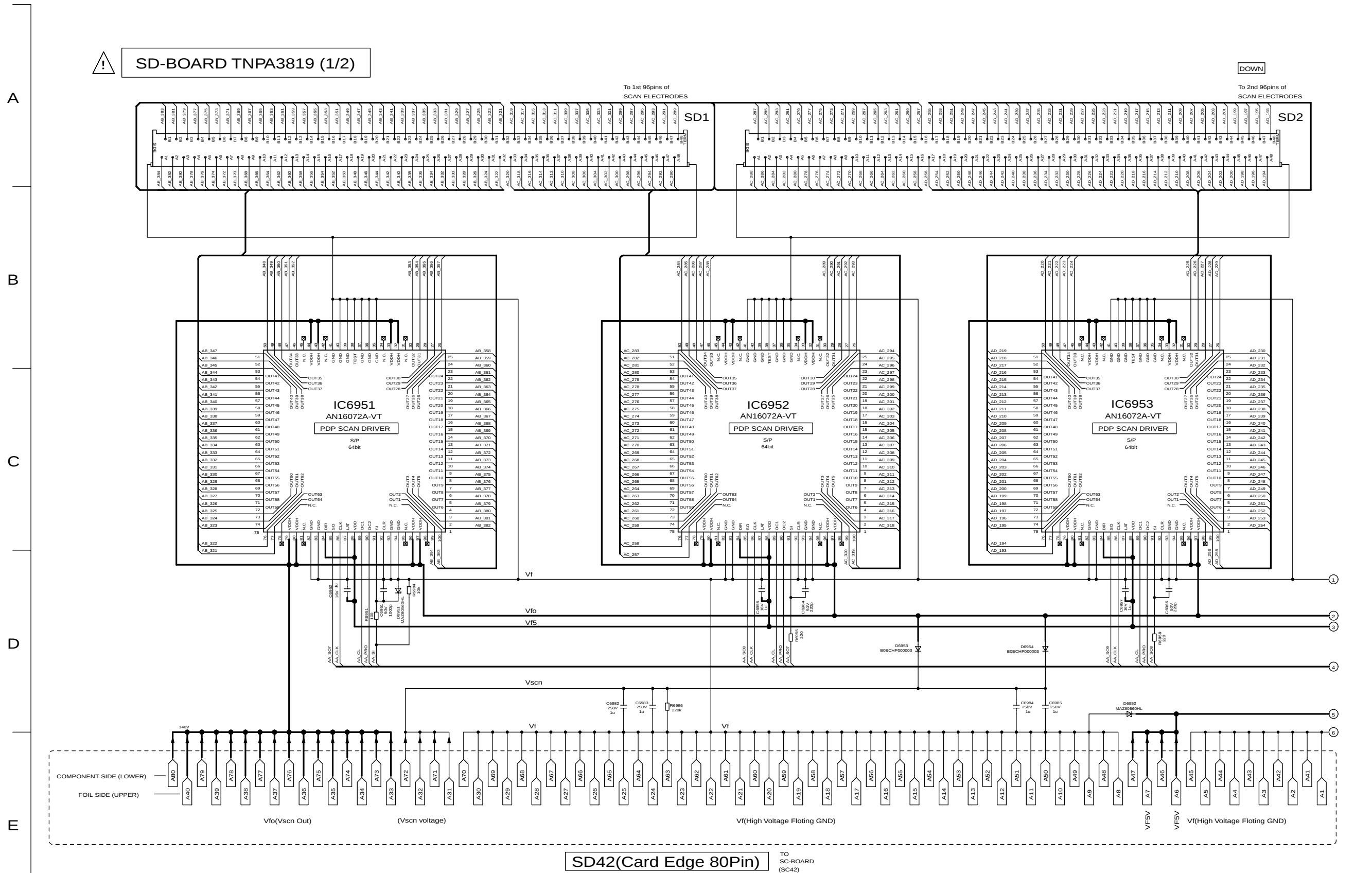
14.47. SU-Board (2 of 2) Schematic Diagram



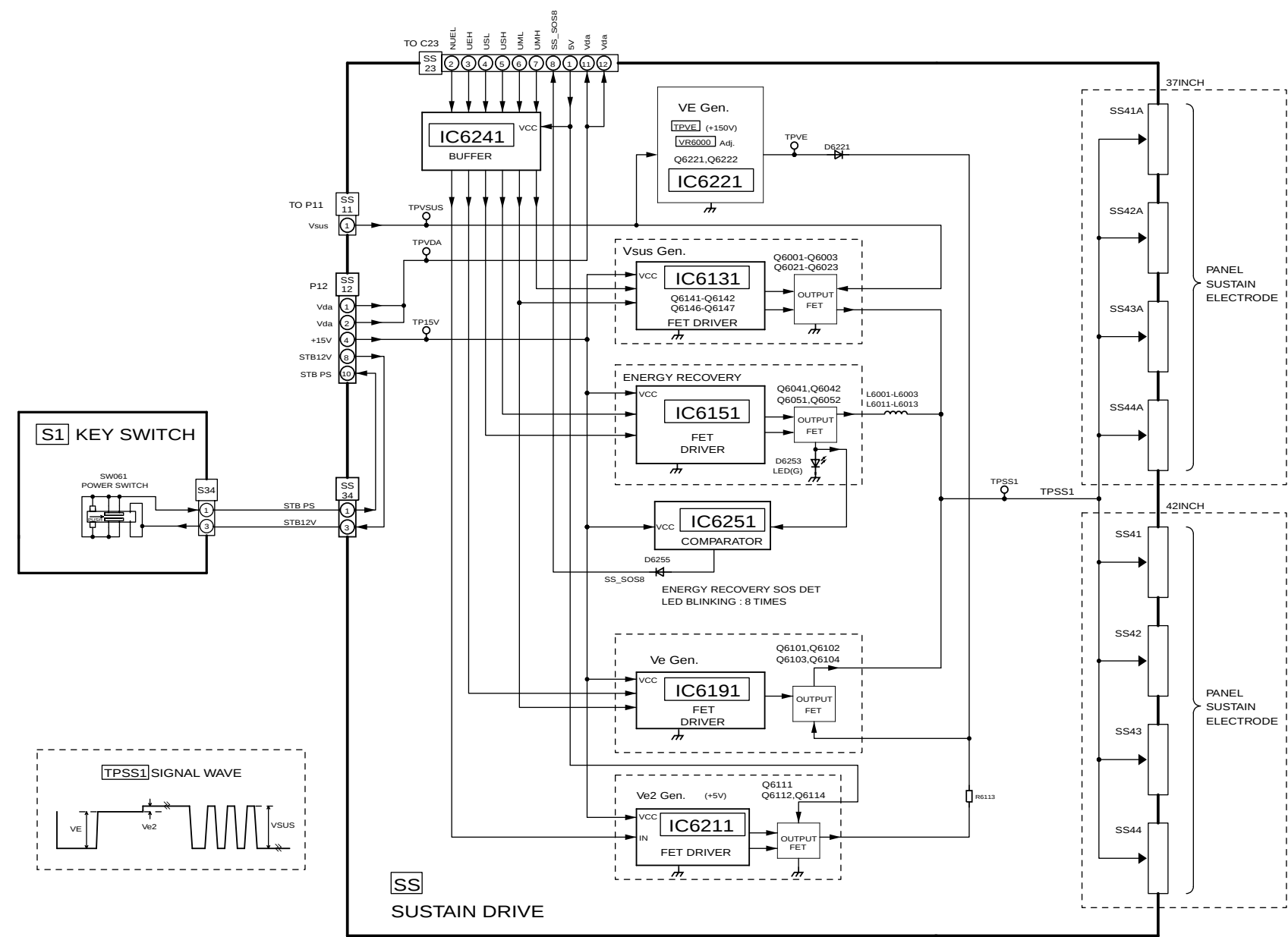
TH-42PH9WK/WS
SU-Board (2 of 2) Schematic Diagram

TH-42PH9WK/WS
SU-Board (2 of 2) Schematic Diagram

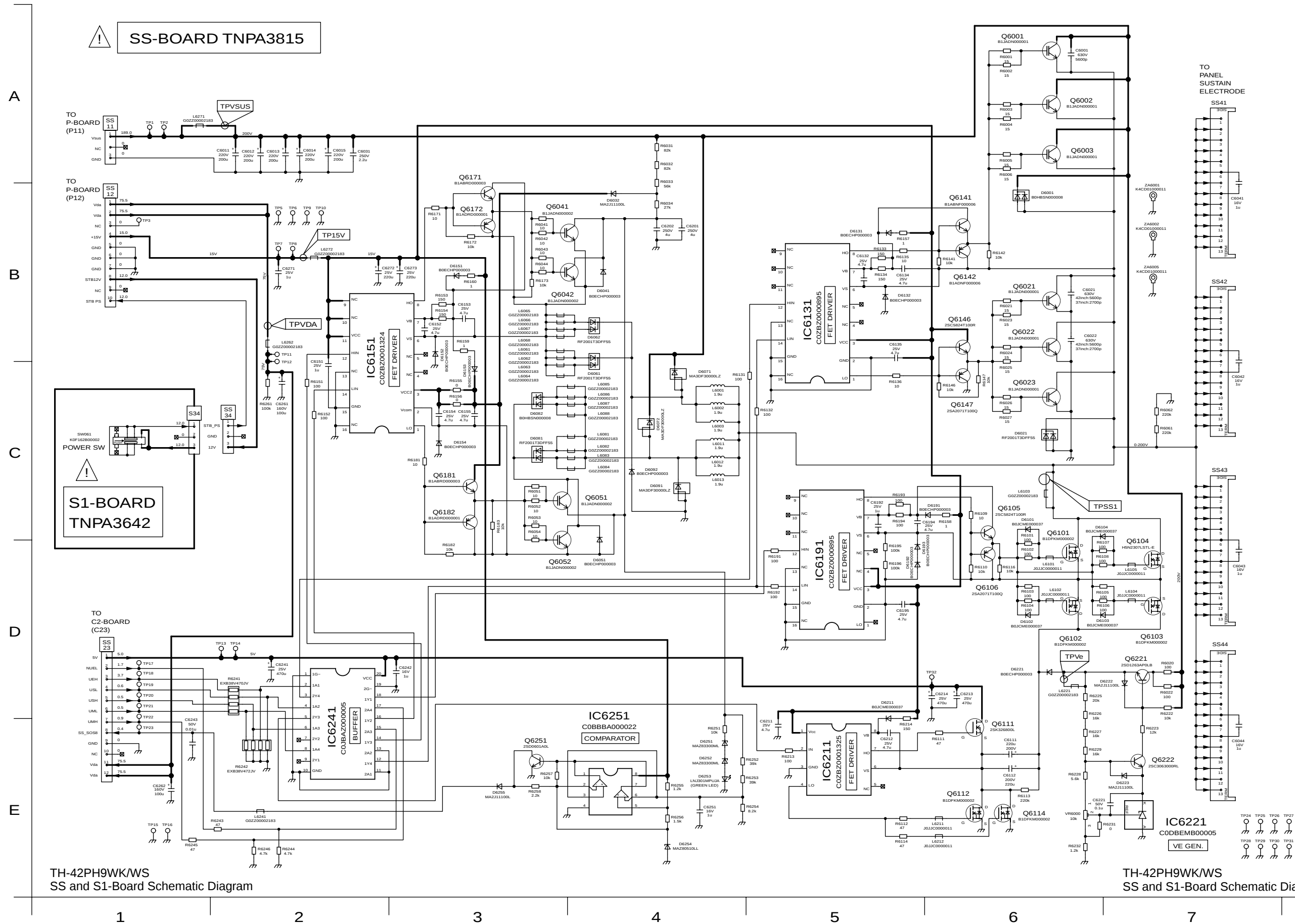
14.48. SD-Board (1 of 2) Schematic Diagram



14.50. SS and S1-Board Block Diagram

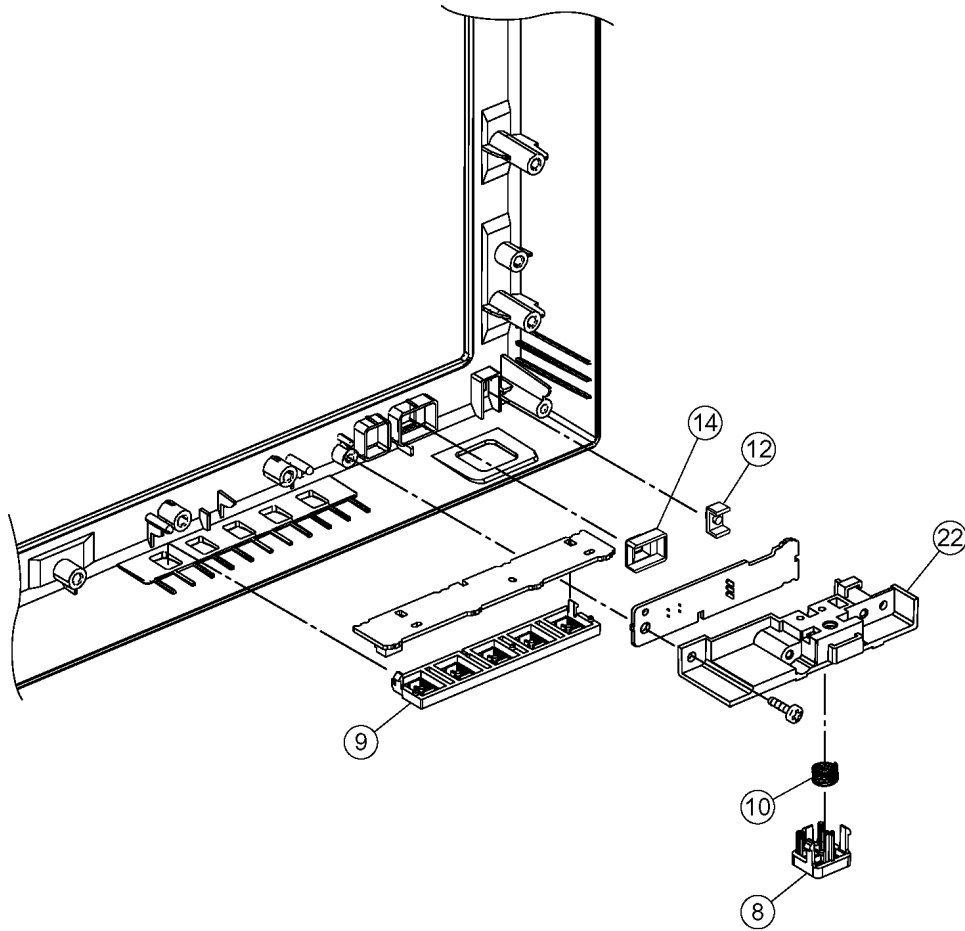


14.51. SS and S1-Board Schematic Diagram

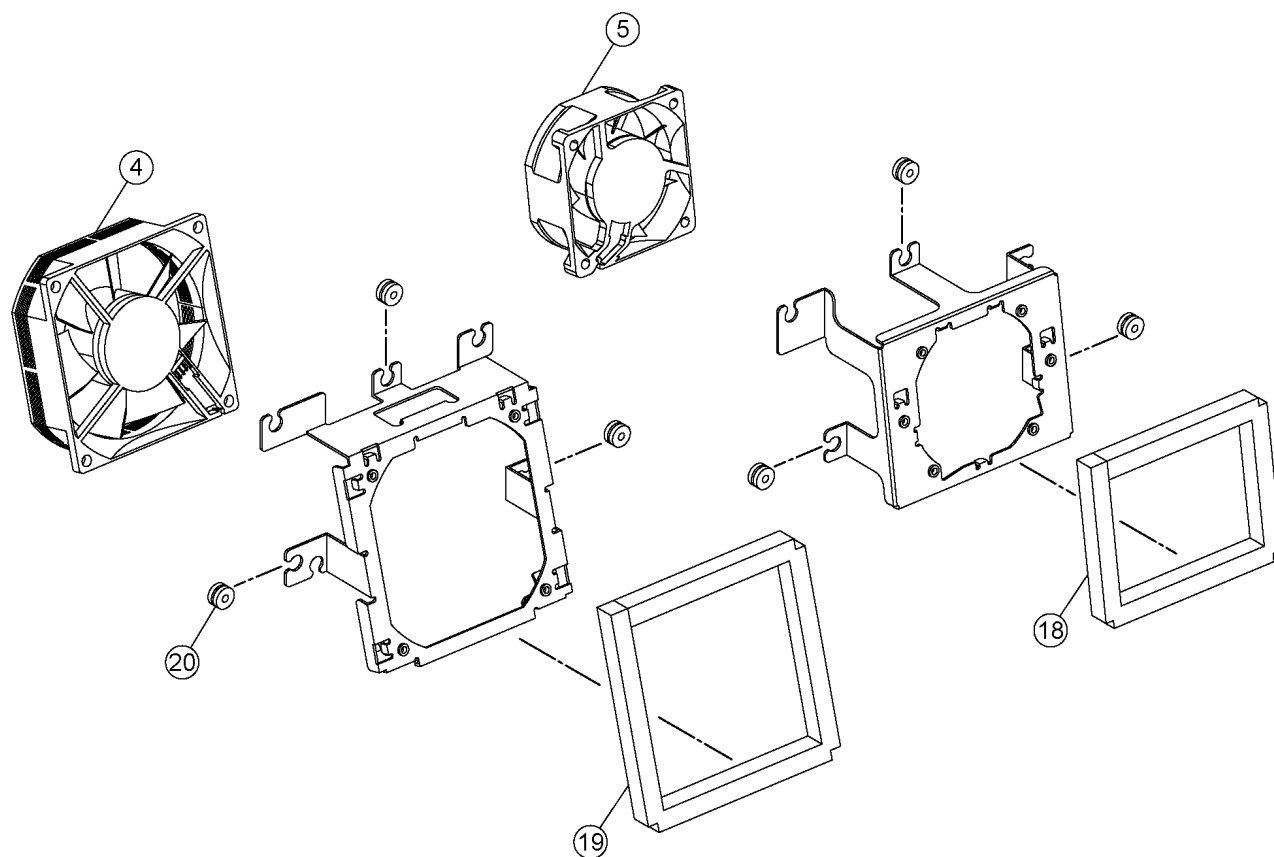


NOTE

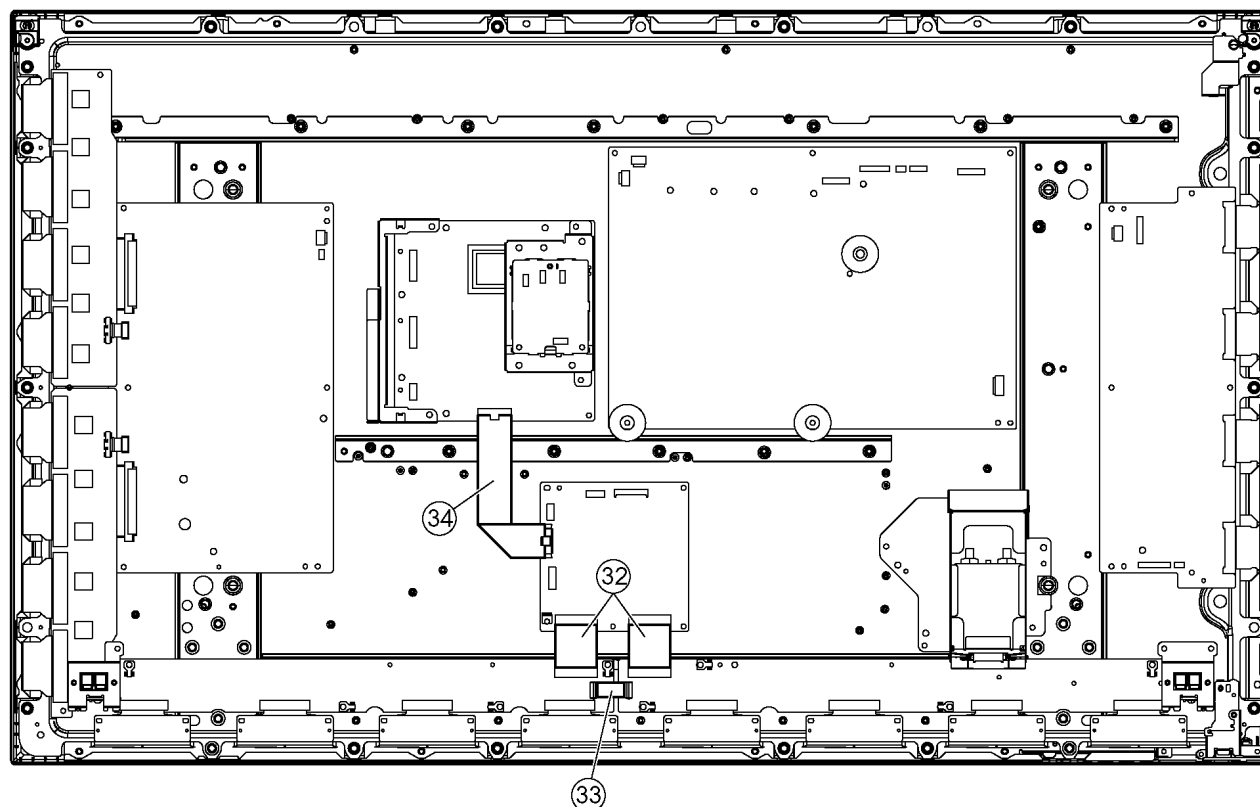
15.1.1. Escutcheon part location enlarged view



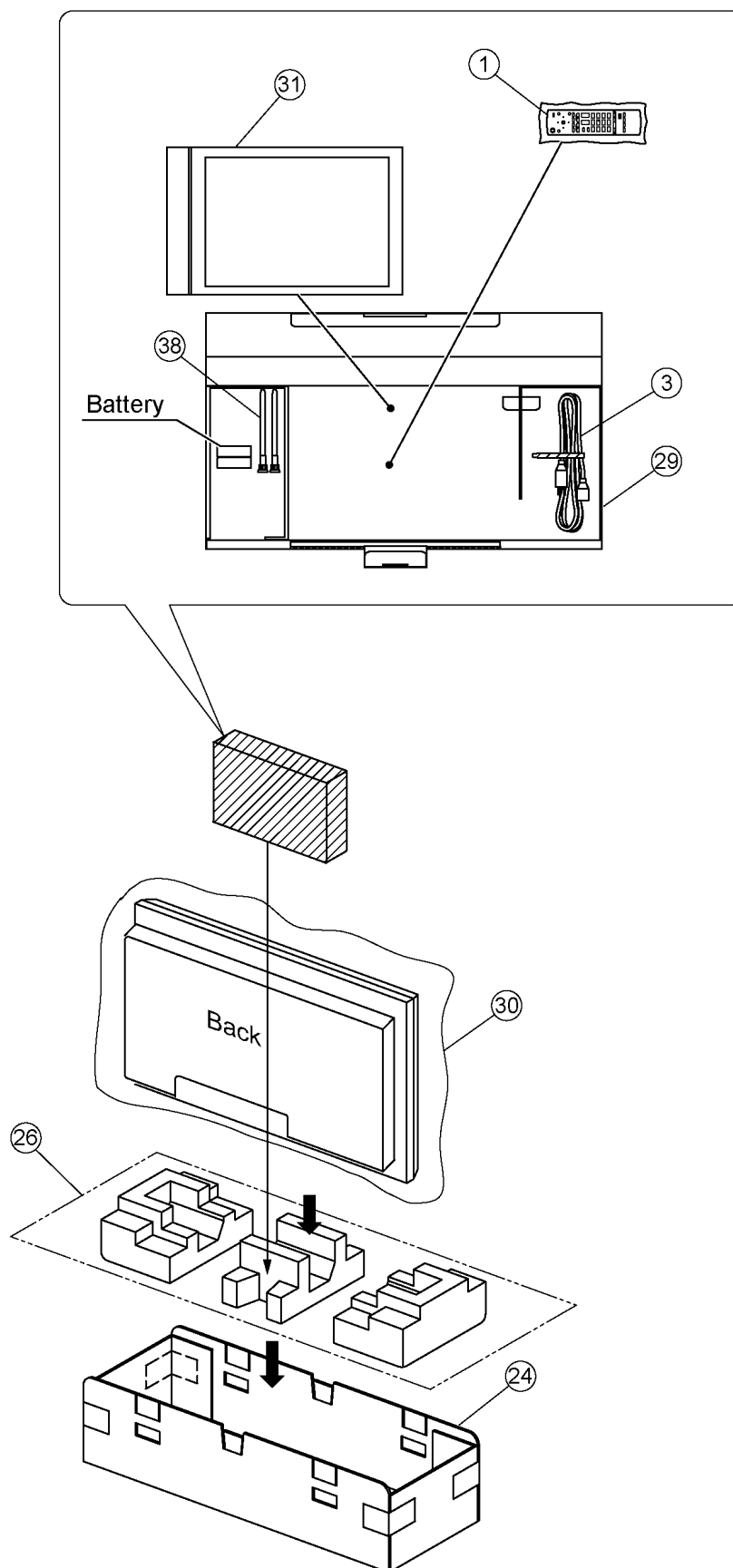
15.1.2. Fan relation

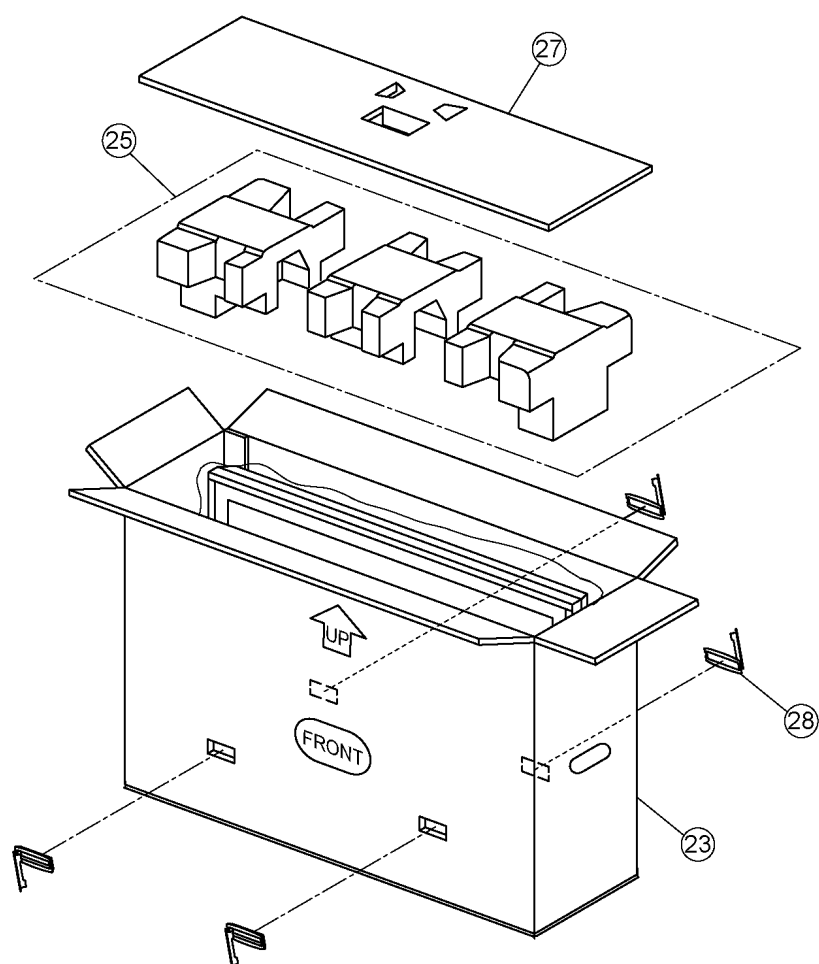


15.2. Cable relation

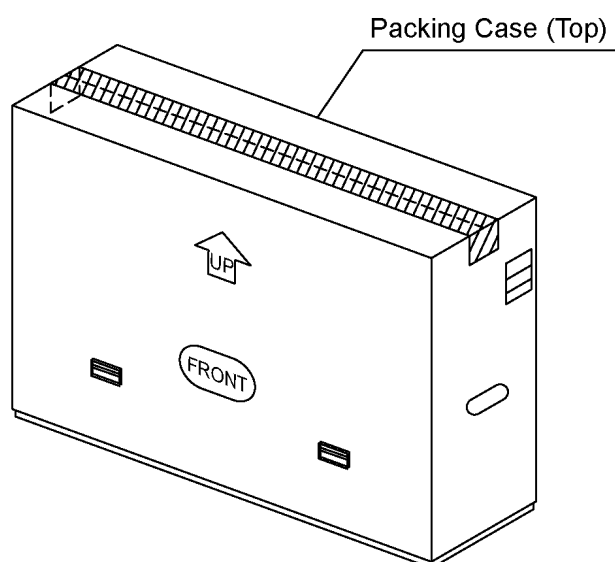


15.3. Packing summary





Complete package



16 Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	EUR7636070R	REMOTE CONTROLER	1	
2	K2AHYH000003	AC INLET	1	△
3	K2CK3DH00029	AC CORD(OBLIQUE FLAT BLADE)	1	△
3	K2CN3DH00006	AC CORD(ROUND PIN)	1	△
3	K2CT3DH00018	AC CORD(RECTANGULAR BLADE)	1	△
4	L6FAYYYH0011	FAN (80MM)	2	
5	L6FAYYYH0012	FAN (60MM)	1	
6	MD42H09A1J	PLASMA DISPLAY PANEL	1	△
7	TBMA189	PANASONIC BADGE	1	
8	TBXA46601	POWER BUTTON	1	WK
8	TBXA46602	POWER BUTTON	1	WS
9	TBXA46701A	5KEY BUTTON	1	WK
9	TBXA46702A	5KEY BUTTON	1	WS
10	TESD031	SPRING	1	
	THEA068N	SCREW	4	
	THEL0239	SCREW	12	
	THEL027N	SCREW	4	
	THEL0429	SCREW	6	
	THTD011J	SCREW	2	
	THTD013N	SCREW	3	
	THTD013N	SCREW	3	
	THTD013N	SCREW	3	
	THTD0179	STEP SCREW(P-SPACER)	3	
	THTF011N	SCREW	18	
	THTF011N	SCREW	1	
	THTF011N	SCREW	21	
11	TKGA5304	FRONT GLASS	1	
12	TKKC5213	LED PANEL	1	
13	TKKL5266	COVER	2	
14	TKPA95001	REMOTE SENSOR PANEL	1	WK
14	TKPA95002	REMOTE SENSOR PANEL	1	WS
15	TKRA29801	HANDLE	2	
16	TMKG556	CUSHION(UPPER/BOTTOM)	2	
17	TMKG557	CUSHION(LEFT/RIGHT)	2	
18	TMKG668	FAN SPONGE	1	
19	TMKG669	FAN SPONGE	2	
	TMM15414-2	CLAMPER	1	
	TMM16473-1	CLAMPER	1	
	TMM17434-2	CLAMPER	1	
	TMM17499	CLAMPER	1	
	TMM25401	CLAMPER	4	
	TMM25401	CLAMPER	4	
	TMM6496-1	CLAMPER	1	
	TMM7464-2	CLAMPER	4	
	TMM7464-2	CLAMPER	1	
	TMM7468-1	CLAMPER	2	
	TMMD010	CLAMPER	1	
	TMME047	CLAMPER	1	
	TMME061	CLAMPER	1	
	TMME061	CLAMPER	2	
	TMME185	CLAMPER	2	
38	TMME187	CLAMPER	2	
	TMME190	CLAMPER	1	
	TMME217	CLAMPER	1	
	TMME228	CLAMPER	2	
	TMME248	CLAMPER POWER SUPPLY CORD	1	
	TMME260	CLAMPER	2	
	TMME260	CLAMPER	2	
	TMME260	CLAMPER	1	
	TMME261	CLAMPER	1	
20	TMMJ068	RUBBER(FAN)	9	
	TMMX037	CLAMPER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
21	TMMX141	M8 SPACER	4	
22	TMMC015	POWER BUTTON BRACKET	1	
23	TPCB97110	CARTON BOX TOP	1	WK △
23	TPCB97111	CARTON BOX TOP	1	WS △
24	TPCA95901A	CARTON BOX BOTTOM	1	
25	TPDA1326	TOP CUSHION	1	
26	TPDA1327	BOTTOM CUSHION	1	
27	TPDF0596	PAD (TOP)	1	
28	TPD169487	JOINT	4	
29	TPDF0737	PAPER BOX	1	
30	TPEH210	PROTECT COVER	1	
31	TQBC2107	INSTRUCTION BOOK(ENGLISH)	1	△
31	TQBC2110	INSTRUCTION BOOK(ARABIC)	1	△
31	TQBC2151	INSTRUCTION BOOK(RUSSIAN)	1	△
31	TQBC2152	INSTRUCTION BOOK(UKRAINE)	1	△
32	TSXL513	CABLE(D31-C11/D32-C21)	2	
33	TSXL519	CABLE(C12-C22)	1	
34	TSXL543	CABLE(DA2-D3)	1	
35	TTUA1450	REAR COVER	1	WK △
35	TTUA1451	REAR COVER	1	WS △
36	TXFKE010ZKTU	ESCUTCHEON ASSY	1	WK △
36	TXFKE010ZLT	ESCUTCHEON ASSY	1	WS △
37	TXFMZ01ZFTU	STAND BLOCK ASSY	2	
	TXJ/SP0ZFT	SPEAKER LEAD	1	
	TXJ/SP0ZFT	SPEAKER LEAD	1	
	XTB4+10JFJ	SCREW(VESA BRACKET)ROHS	18	
	XTBT964J	SCREW	2	
	XTV3+10GFJ	SCREW	2	
	XTV3+10GFJ	SCREW	1	
	XTV3+10JFJ	SCREW	3	
	XTV3+8JFJ	SCREW	3	
	XTV3+8JFJ	SCREW	3	
	XYC4+FJ35FJK	SCREW	18	
	XYN3+C8FJ	SCREW	2	
	XYN3+F10FJ	SCREW	1	
	XYN3+F10FJ	SCREW	1	
	XYN3+F8FJ	SCREW	1	
	XYN3+F8FJ	SCREW	2	
	XYN3+F8FJ	SCREW	13	
	XYN3+J12FJ	SCREW	4	
	XYN3+J12FJ	SCREW	8	
	XYN3+J12FJ	SCREW	9	
	XYN3+J12FJ	SCREW	14	
	XYN3+J8FJ	SCREW ROHS	4	
	XYN3+J8FJ	SCREW ROHS	4	
	XYN4+E8FJ	SCREW	1	
	XYN5+C15FJ	SCREW	6	
	XYN8+F20FJK	SCREW	4	
	XZBT6506	POLY BAG	1	

17 Replacement Parts List

17.1. Replacement Parts List Notes

Important Safety Notice

Components identified by Δ 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 : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

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

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C823	ECJ1XC1H470J	C 47PF, J, 50V	1	
C824	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C825	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C827	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	
C828	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C829	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C831	EEHNB1C470P	C 47PF, J, 16V	1	
C832	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C833	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C834,35	EEHNB1C470P	C 47PF, J, 16V	2	
C837	F1J0J1060004	C 0.010UF, K, 16V	1	
C838	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C839	F1J0J1060004	C 0.010UF, K, 16V	1	
C840	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C841	F1J0J1060004	C 0.010UF, K, 16V	1	
C843	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C844	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C845	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C846	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C847	F1J0J1060004	C 0.010UF, K, 16V	1	
C848	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C850	ECQB1H104JF	P 0.1UF, J, 50V	1	
C852	ECA1EM471	E 470UF, 25V	1	
C854	EEUFC1C471	E 470UF, 16V	1	
C855-57	ECJ1VB1H103K	C 0.001UF, K, 50V	3	
C858	F2H1E471A010	E 470UF, 25V	1	
C859	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C860	EEVHB1C471	E 470UF, 16V	1	
C861	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C863	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	
C864	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C865	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C866,67	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C868,69	ECJ3YB1C225K	C 0.022UF, K, 16V	2	
C1530	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C2350,5	ECJ3YB1C225K	C 0.022UF, K, 16V	2	
C2352,5	EEHNB1H100P	C 10PF, J, 50V	2	
C2354,5	EEHNB1V470P	E 47UF, 35V	2	
C2356,5	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C2358,5	EEHNP1V2R2R	E 2.2UF, 35V	2	
C2360,6	ECJ1XC1H102J	C 1000PF, J, 50V	2	
C2362,6	EEHNB1E471UP	C 470PF, J, 25V	2	
C2364,6	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2366,6	ECJ3YB1E225K	C 2.2UF, K, 25V	2	
C2368,6	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2370,7	EEHNB1H100P	C 10PF, J, 50V	2	
C2373-75	ECJ1VB1E104K	C 0.10UF, K, 25V	3	
C2376,7	ECJ1XC1H150J	C 15PF, J, 50V	2	
C2378-82	ECJ1VB1E104K	C 0.10UF, K, 25V	5	
C2383	EEHNB1A101P	C 100PF, J, 10V	1	
C2384	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2385	EEHNB1A101P	C 100PF, J, 10V	1	
C2386,8	EEHNP1H1R0R	C 1.0PF, J, 50V	2	
C2388	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2389	EEHNB1A101P	C 100PF, J, 10V	1	
C2390	EEHNB1H100P	C 10PF, J, 50V	1	
C2391	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2392,9	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C2394	EEHNB1H100P	C 10PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2395,9	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2397	EEHNB1A101P	C 100PF, J, 10V	1	
C2398-03	ECJ1VB1E104K	C 0.10UF, K, 25V	6	
C2404	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2405,0	ECJ1VB0J225K	C 2.2UF, K, 6.3V	2	
C2407,0	F1J0J1060004	C 0.010UF, K, 16V	2	
C2409,1	ECJ1XC1H181J	C 180PF, J, 50V	2	
C2411	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C2412,1	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2420	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2425,2	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C3001	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C3004	EEHNB1C470P	C 47PF, J, 16V	1	
C3009-11	ECJ1VB1E104K	C 0.10UF, K, 25V	3	
C3012-17	ECJ1VF1H103Z	C 0.010UF, Z, 50V	6	
C3018	EEHNB1C470P	C 47PF, J, 16V	1	
C3019	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3020-31	ECJ3YB1C225K	C 0.022UF, K, 16V	12	
C3032	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C3033-35	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C3040,4	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3042,4	EEHNB1C100R	C 10PF, J, 16V	2	
C3051-58	ECJ1VF1C105Z	C 1UF, Z, 16V	8	
C3101	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C3103	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C3105-08	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C3110	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C3111,1	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3113	EEHNB1C470P	C 47PF, J, 16V	1	
C3114	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C3115	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3134-36	F2H0J102A010	C 1000UF, 6.3V	3	
C3143,4	ECJ3YB1C225K	C 0.022UF, K, 16V	2	
C3146	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C3150-52	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C3200	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3201-03	F1J0J1060004	C 0.010UF, K, 16V	3	
C3301-04	ECJ1XC1H561J	C 560PF, J, 50V	4	
C3305	ECJ3YB1A106M	C 10UF, M, 6.3V	1	
C3306	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3307	ECJ3YB1A106M	C 10UF, M, 6.3V	1	
C3308	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3309	EEHNB1C470P	C 47PF, J, 16V	1	
C3310	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3311	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3312	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3313,1	ECJ3YB1A106M	C 10UF, M, 6.3V	2	
C3315	EEHNB1C470P	C 47PF, J, 16V	1	
C3316	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3317,1	ECJ3YB1A106M	C 10UF, M, 6.3V	2	
C3319,2	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3321,2	ECJ1VC1H100C	C 10PF, C, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3325,26	ECJ1XC1H470J	C 47PF, J, 50V	2	
C3327,28	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3329,30	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C3331,32	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C3333	EEEB0J470R	C 47PF, J, 6.3V	1	
C3334-36	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3337	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3339,40	ECJ1XC1H330J	C 33PF, J, 50V	2	
C3341,42	ECJ1XC1H680J	C 68PF, J, 50V	2	
C3343	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3344	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3345	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3346-60	ECJ1XB1C104K	C 0.1UF, Z, 16V	15	
C3361	ECJ1XC1H330J	C 33PF, J, 50V	1	
C3362-68	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C3369	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3370-74	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C3375	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3376-02	ECJ1XB1C104K	C 0.1UF, Z, 16V	29	
C3404	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3405	EEEB1C470P	C 47PF, J, 16V	1	
C3405	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3406-08	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3409	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3409	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3410-12	ECJ1XB1H102K	C 1000UF, Z, 50V	3	
C3413-15	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3416,17	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C3418,19	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3420	ECJ1XC1H180J	C 18PF, J, 50V	1	
C3422	EEEB0J470R	C 47PF, J, 6.3V	1	
C3423	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3424	EEEB1C470P	C 47PF, J, 16V	1	
C3425	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3426	EEEB1C470P	C 47PF, J, 16V	1	
C3427-31	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C3432-36	ECJ1VB1H103K	C 0.001UF, K, 50V	5	
C3437	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3438	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3440-42	EEEB0J470R	C 47PF, J, 6.3V	3	
C3443	ECGRL0G680ER	C 68PF, J, 4V	1	
C3444,45	EEEB0J470R	C 47PF, J, 6.3V	2	
C3446	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3447	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3448	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3450	ECJ1VF1C105Z	C 1UF, Z, 16V	1	
C3451	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3523	EEEB1C470P	C 47PF, J, 16V	1	
C3524	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3550	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3551	EEEB1C470P	C 47PF, J, 16V	1	
C3561,62	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C4001,02	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4003	ECJ1VB1H822K	C 8200PF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4004	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4006	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4007-09	ECJ2XB1E104K	C 0.1UF, K, 25V	3	
C4010	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C4011-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C4016	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4017	EEEB1C470P	C 47PF, J, 16V	1	
C4018,19	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4020,21	F1J0J106A013	C 0.010UF, K, 16V	2	
C4022	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4024	F1J0J106A013	C 0.010UF, K, 16V	1	
C4031,32	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4201	EEEB1C470P	C 47PF, J, 16V	1	
C4202-13	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C4219-22	F1J0J106A013	C 0.010UF, K, 16V	4	
C4225	F1J0J106A013	C 0.010UF, K, 16V	1	
C4227	F1J0J106A013	C 0.010UF, K, 16V	1	
C4301	F2G0J470A019	E 47UF 6.3V	1	
C4302	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4303,04	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C4305,06	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C4307	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C4308	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4309	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4311	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4312	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4313	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C4314	ECGRL0G680ER	C 68PF, J, 4V	1	
C4502	F1J0J1060004	C 0.010UF, K, 16V	1	
C4503,04	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C4505	ECJ1XC1H150J	C 15PF, J, 50V	1	
C4506	ECJ1VC1H080C	C 8PF, C, 50V	1	
C4541,42	ECJ1XC1H080D	C 8PF, D, 50V	2	
C4543	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4544	EEEB0G221P	C 220PF, J, 4V	1	
C4545	F1J0J106A013	C 0.010UF, K, 16V	1	
C4546,47	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4548,49	F1J0J106A013	C 0.010UF, K, 16V	2	
C4550,51	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4552	F1J0J106A013	C 0.010UF, K, 16V	1	
C4553-97	ECJ1XF1C104Z	C 0.1UF, Z, 16V	45	
C4598	EEEB0G221P	C 220PF, J, 4V	1	
C4599-14	ECJ1XB1C104K	C 0.1UF, Z, 16V	16	
C4629	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4671	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4672	F1J0J1060004	C 0.010UF, K, 16V	1	
C4701	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4703	F1J0J106A013	C 0.010UF, K, 16V	1	
C4704-19	ECJ1XB1C104K	C 0.1UF, Z, 16V	16	
C4733	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C4743	TCUY1C105ZFN	C 1UF, 16V	1	
C4744	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4749,50	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4751,52	ECJ1XC1H150J	C 15PF, J, 50V	2	
C4753	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C4754	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4803	ECJ1XC1H101J	C 100PF, J, 50V	1	
C4804	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4861	TCUY1C105ZFN	C 1UF, 16V	1	
C4862	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4863	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4864	ECJ1XC1H101J	C 100PF, J, 50V	1	
C4865	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C4866	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4871	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4881,8 2	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4884,8 5	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4886	ECJ1XC1H101J	C 100PF, J, 50V	1	
C4887	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4901,0 2	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C4903	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4904	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4905	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C4906	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4907	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4908	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C4909	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4910	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C4911	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C4912	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C4913	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4914	EEH1B1C470P	C 47PF, J, 16V	1	
C4915	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4917	EEH1B1C470P	C 47PF, J, 16V	1	
C4918	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C4919	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C4920	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4921	ECGRL0G680ER	C 68PF, J, 4V	1	
C4923	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4924	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4925	ECJ1VB1E272K	C 2700PF, K, 25V	1	
C4926	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4927	ECJ1XC1H470J	C 47PF, J, 50V	1	
C4928	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C4929	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4930,3 1	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C4932	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4933	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4934	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C4935	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4936	ECJ1VC1H100C	C 10PF, C, 50V	1	
C4937	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C4938	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4939	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C4940	ECGRL0G680ER	C 68PF, J, 4V	1	
C4942	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4943	ECJ1VC1H100C	C 10PF, C, 50V	1	
C4944	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C4945	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4946	ECGRL0G680ER	C 68PF, J, 4V	1	
C4990	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4991	F1J0J106A013	C 0.010UF, K, 16V	1	
C4992,9 3	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4994,9 5	F1J0J106A013	C 0.010UF, K, 16V	2	
C4996	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4997	F1J0J106A013	C 0.010UF, K, 16V	1	
C4998	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4999	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C6001	F1L2J332A022	C 3300UF, K, 6.3V	1	
C6002	F1L2J222A022	C 2200UF, K, 6.3V	1	
C6011- 15	F2A2T201A001	E 200UF,	5	
C6021,2 2	F1L2J272A022	C 2700UF, K, 6.3V	2	
C6031	ECQE2255JF	P 2.5UF, K, 250V	1	
C6041- 44	TCUY1C105ZFN	C 1UF, 16V	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6091	F1L2J1020001	C 1000UF, K, 6.3V	1	
C6111,1 2	F2A2D221A022	E 220UF, 200V	2	
C6132	F1L1E4750004	C 4.7UF, 25V	1	
C6134,3 5	F1L1E4750004	C 4.7UF, 25V	2	
C6151	F1K1E1050001	C 1UF, Z, 25V	1	
C6152- 55	F1L1E4750004	C 4.7UF, 25V	4	
C6192	F1K1E1050001	C 1UF, Z, 25V	1	
C6194,9 5	F1L1E4750004	C 4.7UF, 25V	2	
C6201,0 2	F0C2E405A176	E 0.040UF, 250V	2	
C6211,1 2	F1L1E4750004	C 4.7UF, 25V	2	
C6213,1 4	ECA1EM471	E 470UF, 25V	2	
C6221	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6241	ECA1EM471	E 470UF, 25V	1	
C6242	TCUY1C105ZFN	C 1UF, 16V	1	
C6243	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6251	TCUY1C105ZFN	C 1UF, 16V	1	
C6261,6 2	ECA2CM101	E 100UF, 160V	2	
C6271	F1K1E1050001	C 1UF, Z, 25V	1	
C6272,7 3	EEUFC1E221	E 220UF, 25V	2	
C6401	F1L2J332A022	C 3300UF, K, 6.3V	1	
C6402	F1L2J222A022	C 2200UF, K, 6.3V	1	
C6411- 15	F2A2T201A001	E 200UF,	5	
C6421,2 2	F1L2J272A022	C 2700UF, K, 6.3V	2	
C6431	F0C2E405A176	E 0.040UF, 250V	1	
C6472	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6480	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6502	F1L1E4750004	C 4.7UF, 25V	1	
C6504,0 5	F1L1E4750004	C 4.7UF, 25V	2	
C6511,1 2	F0C2E405A176	E 0.040UF, 250V	2	
C6521	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6522	F1L1E4750004	C 4.7UF, 25V	1	
C6524,2 5	F1L1E4750004	C 4.7UF, 25V	2	
C6527	F1L1E4750004	C 4.7UF, 25V	1	
C6561	F2A1A1010074	E 100UF, 10V	1	
C6563	F2A1A1010074	E 100UF, 10V	1	
C6565,6 6	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C6581	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6582	TCUY1C105ZFN	C 1UF, 16V	1	
C6591	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6592	ECA1EM471	E 470UF, 25V	1	
C6593	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6601,0 2	F1L1E4750004	C 4.7UF, 25V	2	
C6603	F1K2J102A014	C 1000UF, K, 6.3V	1	
C6604	F2A2V470A020	E 47UF, 350V	1	
C6605	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6606	F1K2J102A014	C 1000UF, K, 6.3V	1	
C6610	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6611	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6612	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6620	ECJ3XB2J222K	C 2200PF, K, 630V	1	
C6641	ECQE2224KF	P 2.2UF, K, 250V	1	
C6661,6 2	F1K2J102A014	C 1000UF, K, 6.3V	2	
C6671	F1L1E4750004	C 4.7UF, 25V	1	
C6681,8 2	F1L1E4750004	C 4.7UF, 25V	2	
C6683	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6691	ECA2CM101	E 100UF, 160V	1	
C6701- 08	ECJ2XB1H104K	C 0.1UF, K, 50V	8	
C6721	ECA1HM101	E 100UF, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6723-25	F1L1E4750004	C 4.7UF, 25V	3	
C6726,27	TCUY1C105ZFN	C 1UF, 16V	2	
C6728	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6752	TCUY1C105ZFN	C 1UF, 16V	1	
C6753	F1L1E4750004	C 4.7UF, 25V	1	
C6754	ECA1VM470	E 47UF, 35V	1	
C6755	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6771	TCUY1C105ZFN	C 1UF, 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	EEUFC1E221	E 220UF, 25V	1	
C6795,96	EEUFC1E221	E 220UF, 25V	2	
C6802	EEUFC1E221	E 220UF, 25V	1	
C6803	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6804	F2A2E100A022	E 10UF, 250V	1	
C6805	TCUY1C105ZFN	C 1UF, 16V	1	
C6806,07	ECA2CM101	E 100UF, 160V	2	
C6811	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6812	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6822	F2A2V100A019	E 10UF, 350V	1	
C6823	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6841,42	ECA2CM101	E 100UF, 160V	2	
C6845	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6861	TCUY1C105ZFN	C 1UF, 16V	1	
C6862	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6863	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6871	TCUY1C105ZFN	C 1UF, 16V	1	
C6872	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6873	ECJ2XB1H103K	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	
C6914-18	ECJ2XB1H221K	C 220PF, K, 50V	5	
C6931	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6932-35	F1L2E105A013	E 0.10UF, 25V	4	
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	
C6964-68	ECJ2XB1H221K	C 220PF, K, 50V	5	
C6981	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6982-85	F1L2E105A013	E 0.10UF, 25V	4	
C7108	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7110	TCUY1C105ZFN	C 1UF, 16V	1	
C7111,12	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7114	TCUY1C105ZFN	C 1UF, 16V	1	
C7115	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7116	TCUY1C105ZFN	C 1UF, 16V	1	
C7117	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7119	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7121	TCUY1C105ZFN	C 1UF, 16V	1	
C7122	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7123	TCUY1C105ZFN	C 1UF, 16V	1	
C7124	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7126	TCUY1C105ZFN	C 1UF, 16V	1	
C7127	ECJ1XC1H101J	C 100PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7130	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7134	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7137,38	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7140	TCUY1C105ZFN	C 1UF, 16V	1	
C7141	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7143	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7145	TCUY1C105ZFN	C 1UF, 16V	1	
C7146	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7148	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7201	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7203	TCUY1C105ZFN	C 1UF, 16V	1	
C7204,05	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7207	TCUY1C105ZFN	C 1UF, 16V	1	
C7208	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7209	TCUY1C105ZFN	C 1UF, 16V	1	
C7210	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7212	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7214	TCUY1C105ZFN	C 1UF, 16V	1	
C7215	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7216	TCUY1C105ZFN	C 1UF, 16V	1	
C7217	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7219	TCUY1C105ZFN	C 1UF, 16V	1	
C7220	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7223	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7225	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7227	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7229	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7235	TCUY1C105ZFN	C 1UF, 16V	1	
C7236	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7238	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7240	TCUY1C105ZFN	C 1UF, 16V	1	
C7241	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7244	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8003	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8005	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8007	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8009	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C8013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8015	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8016	ECJ3YB1A475K	C 0.047UF, K, 10V	1	
C8019	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8021	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C8023	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8025	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8027	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C8029	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8030	EEHNB1C470P	C 47PF, J, 16V	1	
C8033	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8036	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8038	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8045	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C8049	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8051	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8070	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C8072,73	ECJ3YF1A106Z	C 10UF, Z, 10V	2	
C8074,75	ECJ1XC1H102J	C 1000PF, J, 50V	2	
C8080-83	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C8084	TCUY1C105ZFN	C 1UF, 16V	1	
C8100	EEHNB1C470P	C 47PF, J, 16V	1	
C8101	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8102,03	EEHNB1C470P	C 47PF, J, 16V	2	
C8106	EEHNB1C470P	C 47PF, J, 16V	1	
C8107	EEVHB1C471	E 470UF, 16V	1	
C8108,09	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C8111-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C8114	ECJ1VB1H103K	C 0.001UF, K, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8115	EEHNB1C470P	C 47PF, J, 16V	1	
C8116	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8120	F2H1E471A010	E 470UF, 25V	1	
C8121	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	
C8122	EEHNB1C470P	C 47PF, J, 16V	1	
C8123	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8181,82	ECJ1XC1H150J	C 15PF, J, 50V	2	
C8183	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8185	EECS5R5H155	E 1.5UF, 5.5V	1	
C8200	EEHNB1C470P	C 47PF, J, 16V	1	
C9028,29	F1J0J1060004	C 0.010UF, K, 16V	2	
C9033,34	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9035,36	F1J0J1060004	C 0.010UF, K, 16V	2	
C9037	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C9039	F1J0J1060004	C 0.010UF, K, 16V	1	
C9040	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9044-53	ECJ1XF1C104Z	C 0.1UF, Z, 16V	10	
C9055-57	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9058	F1J0J1060004	C 0.010UF, K, 16V	1	
C9060	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9467,68	ECJ1VF1H103Z	C 0.010UF, Z, 50V	2	
C9469	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9500-06	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C9508	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9509	ECJ1VC1H200J	C 20PF, C, 50V	1	
C9510	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9511	F1J0J1060004	C 0.010UF, K, 16V	1	
C9512	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9514,15	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9516-25	ECJ1XB1C104K	C 0.1UF, Z, 16V	10	
C9526	F1J0J1060004	C 0.010UF, K, 16V	1	
C9527-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9531	F1J0J1060004	C 0.010UF, K, 16V	1	
C9800	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9801	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9802	ECJ1XC1H470J	C 47PF, J, 50V	1	
C9803	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9804	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9805	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9806	ECGRL0G680ER	C 68PF, J, 4V	1	
C9807,08	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9809	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9815,16	ECGRL0G680ER	C 68PF, J, 4V	2	
C9817,18	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9822	F1J0J1060004	C 0.010UF, K, 16V	1	
C9823,24	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9825	ECJ1XC1H101K	C 100PF, K, 50V	1	
C9826	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9827	F1J0J1060004	C 0.010UF, K, 16V	1	
C9830-32	ECJ3XB1C106M	C 1.0UF, K, 16V	3	
C9833	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9837	ECJ3XB1C106M	C 1.0UF, K, 16V	1	
C9838	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9839	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9840	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9841,42	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9843	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9844	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9845,46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9847,48	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9880,81	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C9882	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9883	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9884	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9885	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9886	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9887	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9891	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9896	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9897	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9898	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9899	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9900-51	ECJ1XB1C104K	C 0.1UF, Z, 16V	52	
C9952-54	EEFCD0G560ER	56UF,	3	
C9955-59	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C9960-64	ECJ3XB0J106M	C 10UF, M, 6.3V	5	
C9965	EEFCD0G560ER	56UF,	1	
C9966	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9967	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9971	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
CB1-B8	K1MN68BA0002	68P CONNECTOR	8	
D3	K1KY40B00003	40P CONNECTOR	1	
D5	K1KB31BA0064	31P CONNECTOR	1	
D6	K1KA21A00011	21P CONNECTOR	1	
D20	K1KA20BA0296	20P CONNECTOR	1	
D25	K1KA20B00155	20P CONNECTOR	1	
D31,32	K1MN55BA0094	55P CONNECTOR	2	
D401	B0FBCT000004	DIODE	1	⚠
D404	B0EBKT000007	DIODE	1	⚠
D407	MA111	DIODE	1	
D411	B0BB17000009	DIODE	1	
D412	B0HAMM000122	DIODE	1	
D415	B0JAME000099	DIODE	1	
D416	B0HAMP000067	DIODE	1	
D417	B0HAPR000013	DIODE	1	
D418	B0BC8R100013	DIODE	1	
D419,20	B0HAPR000013	DIODE	2	
D423	MA188	DIODE	1	
D425	MA188	DIODE	1	
D429	ERA15-10	DIODE	1	
D430	MA111	DIODE	1	
D431,32	B0JCDD000002	DIODE	2	
D433	B0BC01400033	DIODE	1	
D435	ERA15-10	DIODE	1	
D436-38	MA4200M	ZENER DIODE	3	
D441	B0HAMM000122	DIODE	1	
D444	B0HAMM000122	DIODE	1	
D445	MA4360H	ZENER DIODE	1	
D501	B0HAPR000012	DIODE	1	
D503,04	MA165	DIODE	2	
D505	B0JAME000099	DIODE	1	
D506	MAZ80470LL	ZENER DIODE	1	
D507,08	B0BC7R400023	DIODE	2	
D509	B0JANG000018	DIODE	1	
D511	B0JAML000011	DIODE	1	
D512,13	MA111	DIODE	2	
D514	B0BC6R100025	DIODE	1	
D515	B0BC3R200008	DIODE	1	
D516-18	MA4330M	ZENER DIODE	3	
D520	MA111	DIODE	1	
D521	B0JAME000099	DIODE	1	
D528,29	MA153	DIODE	2	
D530	B0BC9R900013	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D531	B0HBSN000013	DIODE	1	
D535	MA188	DIODE	1	
D536	B0JBSG000026	DIODE	1	
D538	B0BC5R100039	DIODE	1	
D539, 40	B0AARR000010	DIODE	2	
D542	MA4200M	ZENER DIODE	1	
D543	B0BC01400033	DIODE	1	
D544, 45	MA4200M	ZENER DIODE	2	
D549	B0BC02500008	DIODE	1	
D551	B0BC01300033	DIODE	1	
D555	B0BC7R400023	DIODE	1	
D559	B0BC7R400023	DIODE	1	
D563	B0BC6R100025	DIODE	1	
D569-72	B0BC02500008	DIODE	4	
D574	MA165	DIODE	1	
D575	MA188	DIODE	1	
D579	MA165	DIODE	1	
D582	MAZ705600F	ZENER DIODE	1	
D585	B0BC7R400023	DIODE	1	
D586	B0HAMP000067	DIODE	1	
D587	MA188	DIODE	1	
D588	B0BC3R200008	DIODE	1	
D590	B0BC3R200008	DIODE	1	
D596	ERA15-10	DIODE	1	
D598	B0BC5R100039	DIODE	1	
D599	B0JCND000009	DIODE	1	
D600	B0BC7R400023	DIODE	1	
D601	B0BC5R100039	DIODE	1	
D602	B0BC8R100013	DIODE	1	
D801	B0JCPD000026	DIODE	1	
D802, 03	B0JCME000037	DIODE	2	
D804-10	B0JCPE000004	DIODE	7	
D850	MA165	DIODE	1	
D852	MA165	DIODE	1	
D854	MA165	DIODE	1	
D859	AK04	DIODE	1	
D1550	LNJ107W5PRW	LED	1	
D1551	MA8033L	ZENER DIODE	1	
D1554	MA8033L	ZENER DIODE	1	
D2301-03	B0JCME000037	DIODE	3	
D3001	MA111	DIODE	1	
D3003, 04	MA111	DIODE	2	
D3005	LNJ206R5ARA	LED	1	
D3007, 08	MA111	DIODE	2	
D3061	MA728	DIODE	1	
D3302	MA8140M	ZENER DIODE	1	
D3304	MA8140M	ZENER DIODE	1	
D3306-10	MA8140M	ZENER DIODE	5	
D3311	MA3036H	ZENER DIODE	1	
D3501-04	MA3056M	ZENER DIODE	4	
D3507-10	MA8160H	ZENER DIODE	4	
D4701	MA728	DIODE	1	
D4704	MA3033	ZENER DIODE	1	
D4709	MA728	DIODE	1	
D4711-13	MA152K	DIODE	3	
D4721	MA3036H	ZENER DIODE	1	
D4732-35	MA152K	DIODE	4	
D4901	B0JCME000037	DIODE	1	
D4902, 03	B0JCDD000002	DIODE	2	
D4904	B0JCME000037	DIODE	1	
D4905	B0JCDD000002	DIODE	1	
D4906	B0JCME000037	DIODE	1	
D6001	B0HBSN000008	DIODE	1	
D6021	B0HBSN000008	DIODE	1	
D6032	MA111	DIODE	1	
D6041	B0ECHP000003	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6051	B0ECHP000003	DIODE	1	
D6061, 62	B0HBSN000008	DIODE	2	
D6071, 72	B0HBSN000008	DIODE	2	
D6081, 82	B0HBSN000008	DIODE	2	
D6091	B0HBSN000008	DIODE	1	
D6092	B0ECHP000003	DIODE	1	
D6101-04	B0JCME000037	DIODE	4	
D6131, 32	B0ECHP000003	DIODE	2	
D6151-54	B0ECHP000003	DIODE	4	
D6191-93	B0ECHP000003	DIODE	3	
D6211	B0JCME000037	DIODE	1	
D6221	B0ECHP000003	DIODE	1	
D6222, 23	MA111	DIODE	2	
D6251, 52	MA8330M	ZENER DIODE	2	
D6253	LNJ301MPUJA	LED	1	
D6254	MA8051L	ZENER DIODE	1	
D6255	MA111	DIODE	1	
D6401, 02	B0HBSN000008	DIODE	2	
D6431, 32	B0HBSN000019	DIODE	2	
D6441	B0ECHP000003	DIODE	1	
D6451	B0ECHP000003	DIODE	1	
D6461, 62	B0HBSN000008	DIODE	2	
D6466	MA111	DIODE	1	
D6471	B0HBSN000008	DIODE	1	
D6472	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6480	MA111	DIODE	1	
D6481, 82	B0HBSN000008	DIODE	2	
D6491	B0HBSN000019	DIODE	1	
D6497	MA111	DIODE	1	
D6501, 02	B0ECHP000003	DIODE	2	
D6521-24	B0ECHP000003	DIODE	4	
D6581, 82	MA8330M	ZENER DIODE	2	
D6583	LNJ301MPUJA	LED	1	
D6584	MA8051L	ZENER DIODE	1	
D6585	MA111	DIODE	1	
D6601	MA8240M	ZENER DIODE	1	
D6602	B0ECHP000003	DIODE	1	
D6603	MA8240M	ZENER DIODE	1	
D6604	MA111	DIODE	1	
D6605	MA8051L	ZENER DIODE	1	
D6606	B0HCMM000014	DIODE	1	
D6607	MA111	DIODE	1	
D6610	MAZ81500ML	ZENER DIODE	1	
D6611-14	MA111	DIODE	4	
D6619, 20	B0HCKS000002	DIODE	2	
D6621	B0HDSM000005	DIODE	1	
D6623, 24	B0HDSM000005	DIODE	2	
D6641, 42	B0HCKS000002	DIODE	2	
D6643	MA111	DIODE	1	
D6644	B0HCKS000002	DIODE	1	
D6661	MA111	DIODE	1	
D6662-64	MA8330M	ZENER DIODE	3	
D6665	MA8051L	ZENER DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6666, 67	MA111	DIODE	2	
D6671	MA111	DIODE	1	
D6682	B0HCMM000014	DIODE	1	
D6683, 84	MA111	DIODE	2	
D6686, 87	MA111	DIODE	2	
D6701, 02	MA8056H	ZENER DIODE	2	
D6721	B0HCKS000002	DIODE	1	
D6723, 24	B0JCME000037	DIODE	2	
D6725	B0ECHP000003	DIODE	1	
D6726-33	MA8056H	ZENER DIODE	8	
D6734	MA111	DIODE	1	
D6752	B0JCME000037	DIODE	1	
D6758	B0ECHP000003	DIODE	1	
D6760, 61	MA111	DIODE	2	
D6771	B0JCME000037	DIODE	1	
D6773	B0HCKS000002	DIODE	1	
D6791	MA8200M	ZENER DIODE	1	
D6801, 02	B0JCME000037	DIODE	2	
D6803	MA111	DIODE	1	
D6804	B0ECHP000003	DIODE	1	
D6805	MA111	DIODE	1	
D6806	B0ECHP000003	DIODE	1	
D6820-23	MA111	DIODE	4	
D6825	MA8330M	ZENER DIODE	1	
D6826	MA111	DIODE	1	
D6841	B0ECHP000003	DIODE	1	
D6842, 43	MA111	DIODE	2	
D6859	B0ECHP000003	DIODE	1	
D6860	B0HCKS000002	DIODE	1	
D6861	MA8051L	ZENER DIODE	1	
D6862	MA111	DIODE	1	
D6871	MA8051L	ZENER DIODE	1	
D6872	MA111	DIODE	1	
D6901, 02	MA8056H	ZENER DIODE	2	
D6903, 04	B0ECHP000003	DIODE	2	
D6951, 52	MA8056H	ZENER DIODE	2	
D6953, 54	B0ECHP000003	DIODE	2	
D8001	MA111	DIODE	1	
D8003	MA111	DIODE	1	
D8010, 11	MA153	DIODE	2	
D8180	MA111	DIODE	1	
D8181	MA8056-M	ZENER DIODE	1	
D8184, 85	MA8056-M	ZENER DIODE	2	
D8200	MAZ31600ML	ZENER DIODE	1	
D8201	MA111	DIODE	1	
D8203	MA3100M	ZENER DIODE	1	
D8204	MA111	DIODE	1	
D8209	MA111	DIODE	1	
D9017-19	MA3033	ZENER DIODE	3	
D9020	MA728	DIODE	1	
D9100-03	B0JCGD000002	DIODE	4	
D9105, 06	B0JCGD000002	DIODE	2	
D9110	B0JCGD000002	DIODE	1	
D9300, 01	MA152K	DIODE	2	
D9800	B0JCME000037	DIODE	1	
D9801	B0JCDD000002	DIODE	1	
D9802	MA728	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D9804	MA152K	DIODE	1	
D9807, 08	MA152K	DIODE	2	
D9811	MA728	DIODE	1	
D9812	B0JCME000037	DIODE	1	
D9813	B0JCDD000002	DIODE	1	
D9814	B0JCME000037	DIODE	1	
D9815	B0JCDD000002	DIODE	1	
DA1	K1KA20AA0335	20P CONNECTOR	1	
DA2	K1KY40B00003	40P CONNECTOR	1	
DA3	K1KA30AA0009	30P CONNECTOR	1	
DA4	K1KA14A00248	14P CONNECTOR	1	
DA5	K1KB21BA0063	21P CONNECTOR	1	
DA6	K1KA31A00007	31P CONNECTOR	1	
DA11	K1KA21A00011	21P CONNECTOR	1	
FL3000-04	F1J1E1040022	C 0.10UF, Z, 25V	5	
FL3006-08	F1J1E1040022	C 0.10UF, Z, 25V	3	
FL3010	F1J1E1040022	C 0.10UF, Z, 25V	1	
FL4001	J0MAB0000175	LC FILTER	1	
FL4502-04	F1J1E1040022	C 0.10UF, Z, 25V	3	
FL4703	F1J1E1040022	C 0.10UF, Z, 25V	1	
FL4705-09	F1J1E1040022	C 0.10UF, Z, 25V	5	
FL7101	J0HABH000013	LC FILTER	1	
FL7201	J0HABH000013	LC FILTER	1	
FL8000	F1J1E1040022	C 0.10UF, Z, 25V	1	
FL9300, 01	F1J1E1040022	C 0.10UF, Z, 25V	2	
FL9800, 01	J0HABH000013	LC FILTER	2	
FL9803, 04	J0HABH000012	LC FILTER	2	
FL9805-07	J0HABH000013	LC FILTER	3	
FL9900-02	F1J1E1040022	C 0.10UF, Z, 25V	3	
FL9903, 04	J0HABH000013	LC FILTER	2	
H0	K1KA08AA0150	8P CONNECTOR	1	
H1	K1KA80B00037	80P CONNECTOR	1	
H37	K1KA03AA0190	3P CONNECTOR	1	
H37 02	K1KA03AA0190	3P CONNECTOR	1	
HX1	K1KB22A00036	22P CONNECTOR	1	
IC401	CNC1S171R	IC	1	△
IC402	C0DAEMB00004	IC	1	
IC403-05	CNC1S171R	IC	3	△
IC406	C0DAZZZ00021	IC	1	
IC408	CNC1S171R	IC	1	△
IC409	MIP2G40MPSCF	IC	1	△
IC410	CNC1S171R	IC	1	△
IC411	C0DAEMB00004	IC	1	
IC412	CNC1S171R	IC	1	△
IC501	C2ABDB000110	IC	1	
IC502	C0EBH0000210	IC	1	
IC504	C0DAEMB00004	IC	1	
IC505	CNC1S171R	IC	1	
IC506	C0ZBZ0000878	IC	1	
IC507	CNC1S171R	IC	1	
IC509	C0DABZZ00010	IC	1	
IC510	C0DBAZG00034	IC	1	
IC512	C0DAEMB00004	IC	1	
IC520	LSSK0062	IC	1	
IC801-03	C0DBAMH00013	IC	3	
IC804	C0CBCAC00275	IC	1	
IC805	C0DBAMH00027	IC	1	
IC850	C0DAAZG00014	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC2301, 02	C1AB00002534	IC	2	
IC2303	C1BB00001006	IC	1	
IC2305	C0ABBA000168	IC	1	
IC3001	C1AB00002530	IC	1	
IC3002	C0JBRR000002	IC	1	
IC3003	CXA1315M	LINEAR IC	1	
IC3004	CXA1875AM	LINEAR IC	1	
IC3005	C1AB00002529	IC	1	
IC3006	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC3007, 08	C0JBAS000215	IC	2	
IC3101	C1AB00002238	IC	1	
IC3150-52	C0JBAA000419	IC	3	
IC3301	CXA2089Q	LINEAR IC	1	
IC3302	PST9128NR	IC (LOGIC)	1	
IC3303	C0CBCAC00275	IC	1	
IC3304	C1AB00002487	IC	1	
IC3305	C3ABMG000227	IC	1	
IC3306	C0JBAZ002269	IC	1	
IC3307	C0JBCZ000523	IC	1	
IC3309	TVRP523	IC	1	
IC3502	TVRP004	IC	1	
IC4001	C0FBAY000012	IC	1	
IC4002	C0DBEGE00002	IC	1	
IC4031, 32	C0JBAE000354	IC	2	
IC4201	C1ZBZ0003233	IC	1	
IC4301	C0JBAP000020	IC	1	
IC4500	C1ZBZ0002769	IC	1	
IC4501	MN845111-A	IC	1	
IC4502	C3ABQJ000031	IC	1	
IC4671	C0ZBZ0001410	IC	1	
IC4701	MN103SB30RGL	IC	1	
IC4702	TVRN928	IC	1	
IC4703	TVRP001	IC	1	
IC4704	C0EBE0000447	IC	1	
IC4711	C0JBAE000354	IC	1	
IC4714	C0JBAB0000856	IC	1	
IC4715	C0JBAE000354	IC	1	
IC4803	C0JBAS000215	IC	1	
IC4901	C0DBAHD00011	IC	1	
IC4951, 52	C0DBAYY00054	IC	2	
IC4953	C0CBCAD00016	IC	1	
IC4955	C0DBAYY00054	IC	1	
IC4956	C0CBCBC00190	IC	1	
IC4957	C0DBAHD00011	IC	1	
IC6131	C0ZBZ0000895	IC	1	
IC6151	C0ZBZ0001324	IC	1	
IC6191	C0ZBZ0000895	IC	1	
IC6211	C0ZBZ0001325	IC	1	
IC6221	C0DBEMB00005	IC	1	
IC6241	C0JBAB000005	IC	1	
IC6251	NJM2903M	INTEGRATED CIRCUIT	1	
IC6471	C0DBEKA00003	IC	1	
IC6472	C0JBAA000377	IC	1	
IC6501	C0ZBZ0000895	IC	1	
IC6521	C0ZBZ0001324	IC	1	
IC6561, 62	C0JBAB000005	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601	C0ZBZ0001325	IC	1	
IC6602	C0JBAB000715	IC	1	
IC6610	NJM2903M	INTEGRATED CIRCUIT	1	
IC6671	C0ZBZ0001325	IC	1	
IC6681	C0ZBZ0001325	IC	1	
IC6682	C0JBAA000377	IC	1	
IC6721, 22	C0JBAB000994	IC	2	
IC6724, 25	C0CBADC00089	IC	2	
IC6751	C0CBADC00089	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC6752	C0ZBZ0001325	IC	1	
IC6753	C0JBAB000715	IC	1	
IC6771	C0CBADC00089	IC	1	
IC6772	C0ZBZ0001325	IC	1	
IC6773, 74	C0JBAA000377	IC	2	
IC6791	N0BF1FB00001	IC	1	
IC6801, 02	C0DBEMB00005	IC	2	
IC6821	C0DBEMB00005	IC	1	
IC6841	C0DBEMB00005	IC	1	
IC6861	NJM2903M	INTEGRATED CIRCUIT	1	
IC6871	NJM2903M	INTEGRATED CIRCUIT	1	
IC6901-06	AN16072A-VT	IC	6	
IC6951-56	AN16072A-VT	IC	6	
IC7101-05	C0JBAB001120	IC	5	
IC7201-05	C0JBAB001120	IC	5	
IC8001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC8003	C1AA00000706	IC	1	
IC8005	C0JBAB000646	IC	1	
IC8007	C0JBAB000419	IC	1	
IC8009	C0JBAS000215	IC	1	
IC8014	C0ZBZ0000911	IC	1	
IC8016	C0JBAB001934	IC	1	
IC8100	C0DBEJG00001	IC	1	
IC8181	C1DB00001208	IC	1	
IC9001	TVRP016	IC	1	
IC9002	C0ZBZ0001330	IC	1	
IC9003	C2CBJG000730	IC	1	
IC9007	TVRN813-3	IC	1	
IC9011	C0EBF0000431	IC	1	
IC9200	C1ZBZ0003185	IC	1	
IC9303	TVRN821	IC	1	
IC9500	C1ZBZ0002599	IC	1	
IC9502	PST9128NR	IC (LOGIC)	1	
IC9503, 04	C0JBAB001120	IC	2	
IC9800	C0DBAYY00054	IC	1	
IC9801	C0DBZF000066	IC	1	
IC9802, 03	C0JBAB001120	IC	2	
IC9806	C0DBAHD00011	IC	1	
IC9807	C0DBAYY00054	IC	1	
IC9809	C0DBAYY00054	IC	1	
IC9900	MN84521-A	IC	1	
IC9901	C3ABQJ000051	IC	1	
J1	K1KA20B00163	20P CONNECTOR	1	
J2	K1KA06BA0047	6P CONNECTOR	1	
J3	K1KA30B00078	30P CONNECTOR	1	
J4	K1KA11BA0051	11P CONNECTOR	1	
J5	K1KA21B00008	21P CONNECTOR	1	
J6	K1KA21B00009	21P CONNECTOR	1	
J7, J8	K1KA03BA0055	3P CONNECTOR	2	
J10	K1KA06BA0050	6P CONNECTOR	1	
J11-13	K1KB80B00024	80P CONNECTOR	3	
J14	K1KA22A00067	22P CONNECTOR	1	
J15	K1KA03BA0047	3P CONNECTOR	1	
J30	K1KA05BA0050	5P CONNECTOR	1	
JK3301	K1QBB1AB0008	CONNECTOR	1	
JK3302, 03	K2HA204B0097	JACK	2	
JK3304	K1CB106B0027	CONNECTOR	1	
JK3509	K1FB109BA018	CONNECTOR	1	
JK3511	K1FB115BA020	CONNECTOR	1	
JK3513	K2HC103B0105	JACK	1	
JK8500	K4BC02B00013	AV TERMENAL	1	
JK8500 02	K4BC02B00013	AV TERMENAL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JS8094	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS8096	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
L403	EXCELSA35	BEAD CHOKE	1	
L404,05	G0B123K00004	CHOKE COIL	2	⚠
L410	ELF17N004A	LINE FILTER	1	⚠
L510	EXCELD25C	BEAD CHOKE	1	
L511	G0A470ZA0033	CHOKE COIL	1	
L512	ELESE4R7JA	PEAKING COIL	1	
L513	EXCELD25C	BEAD CHOKE	1	
L514	G0A100GA0013	CHOKE COIL	1	
L801	G1A101ZA0007	CHOKE COIL	1	
L802	G1C101MA0167	INDUCTION COIL	1	
L803	G1C220MA0167	INDUCTION COIL	1	
L804,05	J0JHC0000078	CHIP INDUCTOR	2	
L807-11	J0JHC0000078	CHIP INDUCTOR	5	
L812	G1C470M00012	INDUCTOR COIL	1	
L851	G0A680ZA0047	CHOKE COIL	1	
L1501-08	J0JHC0000078	CHIP INDUCTOR	8	
L2330,31	G0A221ZA0041	CHOKE COIL	2	
L3002	G1C100K00020	INDUCTION COIL	1	
L3005,06	G1C100K00020	INDUCTION COIL	2	
L3050	G1C100K00020	INDUCTION COIL	1	
L3140	J0JHC0000078	CHIP INDUCTOR	1	
L3301-07	EXC3BB221H	BEAD CHOKE	7	
L3308,09	G1C100K00020	INDUCTION COIL	2	
L3310,11	J0JHC0000078	CHIP INDUCTOR	2	
L3312,13	G1C6R8MA0061	INDUCTOR COIL	2	
L3314-20	J0JHC0000078	CHIP INDUCTOR	7	
L3507-09	J0HABB000004	LC FILTER	3	
L3510-17	TLK212T256AL	EMI FILTER	8	
L3526	ELJPA100KFB	CHIP INDUCTOR	1	
L3555	ELJPA100KFB	CHIP INDUCTOR	1	
L4206	J0JHC0000096	CHIP INDUCTOR	1	
L4301-03	J0JHC0000078	CHIP INDUCTOR	3	
L4501	G1C150KA0038	INDUCTION COIL	1	
L4502-05	J0JHC0000096	CHIP INDUCTOR	4	
L4671	G1C150KA0038	INDUCTION COIL	1	
L4701-04	J0JHC0000096	CHIP INDUCTOR	4	
L4901	G1C3R3MA0175	INDUCTION COIL	1	
L4902	G1C3R0MA0248	INDUCTION COIL	1	
L4903	G1C2R2MA0248	INDUCTION COIL	1	
L6001-03	G0C1R9KA0147	PEAKING COIL	3	
L6011-13	G0C1R9KA0147	PEAKING COIL	3	
L6061-68	G0ZZ00002183	PEAKING COIL	8	
L6081-88	G0ZZ00002183	PEAKING COIL	8	
L6101,02	J0JJC0000011	CHIP INDUCTOR	2	
L6103	G0ZZ00002183	PEAKING COIL	1	
L6104,05	J0JJC0000011	CHIP INDUCTOR	2	
L6211,12	J0JJC0000011	CHIP INDUCTOR	2	
L6221	G0ZZ00002183	PEAKING COIL	1	
L6241	G0ZZ00002183	PEAKING COIL	1	
L6262	G0ZZ00002183	PEAKING COIL	1	
L6271,72	G0ZZ00002183	PEAKING COIL	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L6401-03	G0C1R9KA0147	PEAKING COIL	3	
L6411-13	G0C1R9KA0147	PEAKING COIL	3	
L6461-68	G0ZZ00002183	PEAKING COIL	8	
L6472,73	G0ZZ00002183	PEAKING COIL	2	
L6481-88	G0ZZ00002183	PEAKING COIL	8	
L6591,92	G0ZZ00002183	PEAKING COIL	2	
L6601,02	G0ZZ00002183	PEAKING COIL	2	
L6801,02	J0JJC0000011	CHIP INDUCTOR	2	
L6841	J0JJC0000011	CHIP INDUCTOR	1	
L8001	G1C100K00020	INDUCTION COIL	1	
L8003	G1C100K00020	INDUCTION COIL	1	
L8005	G1C100K00020	INDUCTION COIL	1	
L8101-08	J0JHC0000078	CHIP INDUCTOR	8	
L9500	G1C150KA0038	INDUCTION COIL	1	
L9501,02	J0JHC0000078	CHIP INDUCTOR	2	
L9800	G1C3R0MA0248	INDUCTION COIL	1	
L9801,02	G1C2R2MA0241	INDUCTION COIL	2	
L9810	J0JHC0000045	CHIP INDUCTOR	1	
P2	K1KA02A00626	2P CONNECTOR	1	
P5	K1KA11AA0194	11P CONNECTOR	1	
P9	K1KA03A00537	3P CONNECTOR	1	
P10	K1KA06A00452	6P CONNECTOR	1	
P11	K1KA02A00626	2P CONNECTOR	1	
P12	K1KA10AA0194	10P CONNECTOR	1	
P23	K1KA03AA0193	3P CONNECTOR	1	
P25	K1KA20AA0178	20P CONNECTOR	1	
PA4901	K5H4022A0023	FUSE	1	
PA9800	K5H4022A0023	FUSE	1	
PB30	K1KA05AA0193	5P CONNECTOR	1	
PB31	K1KA03AA0192	3P CONNECTOR	1	
PB33	K1KA03AA0192	3P CONNECTOR	1	
PB35	K1KA03AA0192	3P CONNECTOR	1	
PC6480	B3PBA0000223	IC	1	
PC6701-03	B3PBA0000233	IC	3	
PC6704	B3PBA0000234	IC	1	
PC6705	B3PBA0000233	IC	1	
PC6760	B3PBA0000223	IC	1	
PC6801	B3PBA0000223	IC	1	
PC6861	B3PBA0000223	IC	1	
PC6871	B3PBA0000223	IC	1	
PMM1	TMM7464-2	CLAMPER	1	
PMM2,M3	TMME088	CLAMPER	2	
PMM4-M6	TMM7464-2	CLAMPER	3	
PMM7	TMME047	CLAMPER	1	
PR401	K5Y502BA0001	FUSE	1	⚠
PR505	K5H5022A0023	FUSE	1	⚠
PR509	ERBSE0R50U	FUSE	1	⚠
PR601	K5G312B00012	FUSE	1	⚠
Q401	B1CHND000004	TRANSISTOR	1	
Q402	B1DFDD000019	TRANSISTOR	1	
Q404	B1BCCF000022	TRANSISTOR	1	
Q406	B1DEKQ000003	TRANSISTOR	1	⚠
Q407	B1HFCFA00021	TRANSISTOR	1	
Q408,09	B1DHCD000034	TRANSISTOR	2	
Q412,13	B1DEGQ000070	TRANSISTOR	2	⚠
Q418	2SD1819A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q420-22	2SD1819A	TRANSISTOR	3	
Q434	B1CEJQ000003	TRANSISTOR	1	
Q501, 02	2SD1820A	TRANSISTOR	2	
Q505	B1CEJQ000002	TRANSISTOR	1	
Q507	B1DAGQ000013	TRANSISTOR	1	
Q508	B1HBCFA00033	TRANSISTOR	1	
Q509	B1HDCEA00001	TRANSISTOR	1	
Q510	B1DHBD000005	TRANSISTOR	1	
Q512	B1CBGD000001	FET	1	
Q517	B1HBCFA00033	TRANSISTOR	1	
Q520	B1HBCFA00033	TRANSISTOR	1	
Q521	B1CBGD000001	FET	1	
Q524	B1CFGF000008	TRANSISTOR	1	
Q525	B1CBGD000001	FET	1	
Q527	B1CERL000005	TRANSISTOR	1	
Q530	2SD1819A	TRANSISTOR	1	
Q535	2SD1819A	TRANSISTOR	1	
Q537	B1DFDD000019	TRANSISTOR	1	
Q538	B1CBGD000001	FET	1	
Q540	B1DHCD000034	TRANSISTOR	1	
Q541	B1CBGD000001	FET	1	
Q551	B1CBGD000001	FET	1	
Q553	2SD1819A	TRANSISTOR	1	
Q554	B1DHCD000034	TRANSISTOR	1	
Q555, 56	B1DFGD000045	TRANSISTOR	2	
Q557-59	2SD1819A	TRANSISTOR	3	
Q561	2SD1819A	TRANSISTOR	1	
Q563	B1CFGF000008	TRANSISTOR	1	
Q564, 65	2SB1218ARL	TRANSISTOR	2	
Q566	2SD1819A	TRANSISTOR	1	
Q568	B1CHGD000006	TRANSISTOR	1	
Q569	B1CBGD000001	FET	1	
Q850	2SC3311A	TRANSISTOR	1	
Q1540	2SD601A	TRANSISTOR	1	
Q2300	B1BBCF000028	TRANSISTOR	1	
Q2331	B1BBCF000028	TRANSISTOR	1	
Q2372	2SD601A	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	
Q3004	2SD601A	TRANSISTOR	1	
Q3301-04	2SD601A	TRANSISTOR	4	
Q3305-08	2SB0709A	TRANSISTOR	4	
Q3531, 32	2SD601A	TRANSISTOR	2	
Q4701	B1CBHD000002	FET	1	
Q4702-07	2SD601A	TRANSISTOR	6	
Q4709, 10	2SD601A	TRANSISTOR	2	
Q4712-14	2SD601A	TRANSISTOR	3	
Q4801	B1CBHD000002	FET	1	
Q4802, 03	2SD601A	TRANSISTOR	2	
Q4901-03	B1MBEDA00015	TRANSISTOR	3	
Q4961, 62	2SD601A	TRANSISTOR	2	
Q6001-03	B1JADN000001	TRANSISTOR	3	
Q6021-23	B1JADN000001	TRANSISTOR	3	
Q6041, 42	B1JADN000002	TRANSISTOR	2	
Q6051, 52	B1JADN000002	TRANSISTOR	2	
Q6101-04	B1DFKM000002	TRANSISTOR	4	
Q6105	B1ABNF000006	TRANSISTOR	1	
Q6106	B1ADNF000006	TRANSISTOR	1	
Q6111	2SK326800L	FET	1	
Q6112	B1DFKM000002	TRANSISTOR	1	
Q6114	B1DFKM000002	TRANSISTOR	1	
Q6141	B1ABNF000006	TRANSISTOR	1	
Q6142	B1ADNF000006	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6146	B1ABNF000006	TRANSISTOR	1	
Q6147	B1ADNF000006	TRANSISTOR	1	
Q6171	2SD2185	TRANSISTOR	1	
Q6172	B1ADRD000001	TRANSISTOR	1	
Q6181	2SD2185	TRANSISTOR	1	
Q6182	B1ADRD000001	TRANSISTOR	1	
Q6221	2SD1263A	TRANSISTOR	1	
Q6222	2SC3063	TRANSISTOR	1	
Q6251	2SD601A	TRANSISTOR	1	
Q6401-03	B1JADN000001	TRANSISTOR	3	
Q6421-23	B1JAEP000001	TRANSISTOR	3	
Q6441, 42	B1JADN000002	TRANSISTOR	2	
Q6451, 52	B1JADP000002	TRANSISTOR	2	
Q6471	B1CHGD000006	TRANSISTOR	1	
Q6511	B1ABNF000006	TRANSISTOR	1	
Q6512	B1ADNF000006	TRANSISTOR	1	
Q6516	B1ABNF000006	TRANSISTOR	1	
Q6517	B1ADNF000006	TRANSISTOR	1	
Q6531	2SD2185	TRANSISTOR	1	
Q6532	B1ADRD000001	TRANSISTOR	1	
Q6551	2SD2185	TRANSISTOR	1	
Q6552	B1ADRD000001	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	
Q6601	B1DFES000003	TRANSISTOR	1	
Q6602	2SD601A	TRANSISTOR	1	
Q6621, 22	B1DFKM000001	TRANSISTOR	2	
Q6641, 42	B1DFKM000001	TRANSISTOR	2	
Q6644, 45	B1DFKM000001	TRANSISTOR	2	
Q6647, 48	B1DFKM000001	TRANSISTOR	2	
Q6661	B1DEET000002	TRANSISTOR	1	
Q6662	2SD601A	TRANSISTOR	1	
Q6663	2SD2185	TRANSISTOR	1	
Q6671, 72	B1DFET000001	TRANSISTOR	2	
Q6680	B1ADNF000006	TRANSISTOR	1	
Q6681, 82	2SK389500L	FET	2	
Q6691	2SK620	FET	1	
Q6742, 43	2SD601A	TRANSISTOR	2	
Q6744	2SK620	FET	1	
Q6762	B1ADNF000006	TRANSISTOR	1	
Q6781	B1ABNF000006	TRANSISTOR	1	
Q6782	B1ADNF000006	TRANSISTOR	1	
Q6791	2SD601A	TRANSISTOR	1	
Q6801	B1BAEJ000014	TRANSISTOR	1	
Q6802	2SB0709A	TRANSISTOR	1	
Q6803	2SD814A	TRANSISTOR	1	
Q6804	2SD601A	TRANSISTOR	1	
Q6821	2SD1263A	TRANSISTOR	1	
Q6822	2SC3063	TRANSISTOR	1	
Q6824	2SD601A	TRANSISTOR	1	
Q6841	2SD1263A	TRANSISTOR	1	
Q6842	2SC1473A	TRANSISTOR	1	
Q8002	2SD601A	TRANSISTOR	1	
Q8010	2SD601A	TRANSISTOR	1	
Q8011	2SB709A	TRANSISTOR	1	
Q8012	2SD601A	TRANSISTOR	1	
Q8013	2SB709A	TRANSISTOR	1	
Q8019	2SD601A	TRANSISTOR	1	
Q8181-84	B1CBHD000002	FET	4	
Q8200-02	2SD601A	TRANSISTOR	3	
Q9010	2SD601A	TRANSISTOR	1	
Q9044	2SD601A	TRANSISTOR	1	
Q9046	2SD601A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R935	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R936	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R937	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R938	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R939, 40	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R943	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	
R945	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R946	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R947	ERJ8GEYJ331	M 330 OHM, J, 1/8W	1	
R950	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	
R951, 52	ERJ8GEYJ100	M 10 OHM, J, 1/8W	2	
R953	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R955	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R956	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R1500	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R1510	ERJ3GEYF222	M 2.2KOHM, 1/16W	1	
R1511	ERJ3GEYF302	M 3.0KOHM, 1/16W	1	
R1512	ERJ3GEYF472	M 4.7KOHM, 1/16W	1	
R1513	ERJ3GEYF822	M 8.2KOHM, J, 1/16W	1	
R1550	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R1551	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R1552	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R1553	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R1554	ERJ6GEYJ271	M 270 OHM, J, 1/10W	1	
R2351-54	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R2355-60	ERDS1FJ2R2	C 2.2 OHM, J, 1/2W	6	
R2361, 62	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R2363	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2365	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2367, 68	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R2383	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R2384	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R2385	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R2386	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R2387, 88	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R2389-92	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R2393	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R2394-96	ERJ6GEYJ103	M 10KOHM, J, 1/10W	3	
R2397	ERJ6GEYJ512	M 5.1KOHM, J, 1/10W	1	
R2398	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2399, 00	ERJ6GEYJ220	M 22 OHM, J, 1/10W	2	
R2404-07	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R2408-11	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R2412	ERJ3GEYJ122	M 1.2KOHM, J, 1/16W	1	
R2413	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2414, 15	ERJ3GEYJ122	M 1.2KOHM, J, 1/16W	2	
R2416	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2417	ERJ3GEYJ122	M 1.2KOHM, J, 1/16W	1	
R2418, 19	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R2420	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	
R2421, 22	ERJ3GEYJ273	M 27KOHM, J, 1/16W	2	
R2423	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	
R2424, 25	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2426	ERJ3GEYJ471	M 470 OHM, J, 1/16W	1	
R3001	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3002	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3003	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R3004	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3007, 08	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R3023-25	ERJ3GEYJ101	M 100 OHM, J, 1/16W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3026-29	ERJ3GEYJ103	M 10KOHM, J, 1/16W	4	
R3030-33	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3034-36	ERJ3GEYJ331	M 330 OHM, J, 1/16W	3	
R3037, 38	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3039-41	ERJ3GEYJ331	M 330 OHM, J, 1/16W	3	
R3042, 43	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3044-47	ERJ3GEYJ103	M 10KOHM, J, 1/16W	4	
R3048	ERJ3GEYJ334	M 330KOHM, J, 1/16W	1	
R3049	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3050	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R3051	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R3053, 54	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R3057, 58	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R3059	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3060	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3061	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3062	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R3063	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3064-69	ERJ6GEYJ560	M 56 OHM, J, 1/10W	6	
R3070-75	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3076-81	ERJ6GEYJ560	M 56 OHM, J, 1/10W	6	
R3082	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3083-87	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R3088-93	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3094	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3095, 96	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R3101-06	ERJ6ENF1800	M 180 OHM, 1/10W	6	
R3107, 08	ERJ6GEYJ560	M 56 OHM, J, 1/10W	2	
R3110	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R3111	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R3116	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3117	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3118	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R3125	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R3126	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3134	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R3140, 41	ERJ3GEYJ473	M 47KOHM, J, 1/16W	2	
R3143, 44	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3150, 51	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3160, 61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3163	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3188-90	ERJ6ENF39R0	M 39 OHM, 1/10W	3	
R3195, 96	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R3197, 98	ERJ3GEYJ123	M 12KOHM, J, 1/16W	2	
R3210, 11	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3212-15	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	4	
R3216-19	ERJ6GEYJ3R3	M 3.3KOHM, J, 1/10W	4	
R3230, 31	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3301-03	ERJ6ENF75R0	M 75 OHM, 1/10W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3304-07	ERJ6GEYJ223	M 22KOHM, J, 1/10W	4	
R3308	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3309, 10	ERJ3GEYJ221	M 220 OHM, J, 1/16W	2	
R3312	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
R3314-17	ERJ3GEYJ221	M 220 OHM, J, 1/16W	4	
R3318, 19	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3320	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R3321	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R3322	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R3323	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R3324, 25	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3326, 27	ERJ3EKF3300	M 330 OHM, 1/16W	2	
R3328, 29	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R3330, 31	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3332, 33	ERJ3EKF1270	M 127 OHM, 1/16W	2	
R3334, 35	ERJ3EKF4300	M 430 OHM, 1/16W	2	
R3336, 37	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3338, 39	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R3340, 41	ERJ3GEYJ151	M 150 OHM, J, 1/16W	2	
R3342, 43	ERJ3GEYJ100	M 10 OHM, J, 1/16W	2	
R3344	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3345, 46	ERJ3GEYJ331	M 330 OHM, J, 1/16W	2	
R3347, 48	ERJ3GEYJ221	M 220 OHM, J, 1/16W	2	
R3349	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R3350	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R3351, 52	ERJ3GEYJ473	M 47KOHM, J, 1/16W	2	
R3353	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R3354	ERJ3GEYJ112	M 1.1KOHM, J, 1/16W	1	
R3355, 56	ERJ3GEYJ100	M 10 OHM, J, 1/16W	2	
R3358	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3359	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R3360	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R3361	ERJ3GEYJ112	M 1.1KOHM, J, 1/16W	1	
R3362	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R3363-65	ERJ3GEYJ100	M 10 OHM, J, 1/16W	3	
R3366	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R3367-69	EXB38V220J	RESISTOR ARRAY	3	
R3370	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3371	EXB38V220J	RESISTOR ARRAY	1	
R3372-74	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R3375-77	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R3378-80	EXB38V220J	RESISTOR ARRAY	3	
R3381-83	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R3384-86	EXB38V220J	RESISTOR ARRAY	3	
R3389, 90	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3392	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3399	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3400	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R3403, 04	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3405, 06	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3408	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3411	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3413, 14	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3416	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3417	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R3508, 09	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R3510, 11	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3529, 30	ERJ6GEYJ184	M 180KOHM, J, 1/10W	2	
R3547, 48	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3585, 86	ERJ6GEYJ560	M 56 OHM, J, 1/10W	2	
R3589	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R3590	ERJ6GEYJ560	M 56 OHM, J, 1/10W	1	
R3591-93	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R3653	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R3654	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R3655	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R3656	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R3663, 64	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R3668	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R3672	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R3776, 77	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3778	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R3790, 91	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R4001-03	D1HG1008A002	NETWORK RESISTER	3	
R4004	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4005	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4006	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	
R4007	ERJ6ENF39R0	M 39 OHM, 1/10W	1	
R4008	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4009	ERJ6ENF39R0	M 39 OHM, 1/10W	1	
R4010	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4011	ERJ6ENF39R0	M 39 OHM, 1/10W	1	
R4012-14	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4016-19	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R4020	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4021	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R4023	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4024	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4025	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R4026	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R4027	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4028	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4035-38	ERJ3GEYJ101	M 100 OHM, J, 1/16W	4	
R4041, 42	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4139	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4142	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4144	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4148	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4171	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R4201	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4211-20	ERJ3GEYJ101	M 100 OHM, J, 1/16W	10	
R4221, 22	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4224	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4226	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4228	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4240, 41	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4242, 43	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4244	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4245	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4249	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4250-52	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4256, 57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4260, 61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4263, 64	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4271-73	D1HG8208A002	NETWORK RESISTER	3	
R4274, 75	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4276	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4277-79	D1HG1218A002	NETWORK RESISTER	3	
R4280, 81	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4282	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4312, 13	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4314	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4316	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4318, 19	ERJ3GEYJ223	M 22KOHM, J, 1/16W	2	
R4321	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R4324	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4325-27	EXB38VR000	RESISTOR ARRAY	3	
R4502	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4503	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4506, 07	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4509, 10	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4513	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4514-16	ERJ3GEYJ470	M 47 OHM, J, 1/16W	3	
R4518	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4522, 23	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4525, 26	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4528-31	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R4533	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4536, 37	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4539-41	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4544-47	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R4549	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4554	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4555-58	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R4559, 60	ERJ3GEYJ102	M 1KOHM, J, 1/16W	2	
R4564-67	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R4568, 69	D1HG1038A002	NETWORK RESISTER	2	
R4570-72	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4573	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4574	EXB2HV680J	RESISTOR ARRAY	1	
R4575, 76	ERJ3GEYJ680	M 68 OHM, J, 1/16W	2	
R4577	EXB2HV680J	RESISTOR ARRAY	1	
R4578, 79	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R4580	ERJ6ENF1101	M 1.1KOHM, 1/10W	1	
R4581	ERJ6ENF3161	M3.16KOHM, 1/10W	1	
R4582, 83	ERJ3GEYJ680	M 68 OHM, J, 1/16W	2	
R4584	EXB2HV680J	RESISTOR ARRAY	1	
R4585, 86	ERJ3GEYJ680	M 68 OHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4587-89	D1HG33080001	NETWORK RESISTER	3	
R4590, 91	ERJ3GEYJ680	M 68 OHM, J, 1/16W	2	
R4595	ERJ3GEYJ680	M 68 OHM, J, 1/16W	1	
R4596	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4618-21	D1HG33080001	NETWORK RESISTER	4	
R4622	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4626, 27	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4631	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4640	ERJ3GEYJ121	M 120 OHM, J, 1/16W	1	
R4657, 58	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R4672	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4673	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4674	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4676	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4701	EXB38V103J	RESISTOR ARRAY	1	
R4702	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4703	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4704	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4706	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4707	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4708	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4709	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4710, 11	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4712, 13	D1HG1008A002	NETWORK RESISTER	2	
R4715	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4716	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4717	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4718, 19	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4722	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4723	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4724	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4726	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4727	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4728	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4729, 30	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R4732	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4734	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4735	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4737	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4738	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4740, 41	D1HG1008A002	NETWORK RESISTER	2	
R4742, 43	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R4745	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4746	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4747	EXB38VR000	RESISTOR ARRAY	1	
R4748-52	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R4753	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4754	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R4755	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4756	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R4757	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4758	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4759	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4760	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4761-63	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4764, 65	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4766, 67	EXB2HV470JV	RESISTOR ARRAY	2	
R4768	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R4769	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4770	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R4771	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4772	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4773	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4774	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4775	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4777	ERJ3GEYJ393	M 39KOHM, J, 1/16W	1	
R4778	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4779	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4780, 8 1	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R4783	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4786	EXB38V103J	RESISTOR ARRAY	1	
R4788	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4790, 9 1	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R4792	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4793	ERJ3GEYJ123	M 12KOHM, J, 1/16W	1	
R4795	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4796	ERJ3GEYJ182	M 1.8KOHM, J, 1/16W	1	
R4804	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4806	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4808	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4812, 1 3	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4814	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4815	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4817	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4818, 1 9	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R4820	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4821	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4822, 2 3	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4824	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R4825	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4826	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R4827	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4828	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4829	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4830	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4831	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4832	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4833	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R4834	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4835	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4836	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R4837	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4838	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4839	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R4840	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4841, 4 2	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R4843	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R4844	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4845	ERJ3GEYJ392	M 3.9KOHM, J, 1/16W	1	
R4846	ERJ3GEYJ682	M 6.8KOHM, J, 1/16W	1	
R4847, 4 8	ERJ3GEYJ102	M 1KOHM, J, 1/16W	2	
R4849	ERJ3GEYJ123	M 12KOHM, J, 1/16W	1	
R4850	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4851 - 53	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R4855	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4858	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4859	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R4860	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4863	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4864	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R4865, 6 6	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4868	ERJ3GEYJ682	M 6.8KOHM, J, 1/16W	1	
R4869	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4870	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4872	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4873, 7 4	ERJ3GEYJ223	M 22KOHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4876	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4877	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4879	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4880	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4881	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4883	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4884	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4886	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4887	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4888	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4891	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4892	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4893	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4894, 9 5	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R4900	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4902	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4903	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4904	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4906	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4908	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R4909	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4910	ERJ3EKF6202	M 62KOHM, 1/16W	1	
R4911- 21	ERJ3GEYJ101	M 100 OHM, J, 1/16W	11	
R4922, 2 3	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4924	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4925- 27	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4930	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4931	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4932	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R4933	ERJ3EKF3901	M 3.9KOHM, 1/16W	1	
R4934	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R4935	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R4936	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4938	ERJ3EKF1302	M 13KOHM, 1/16W	1	
R4939	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R4940	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4941	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4942, 4 3	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R4944	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4947	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4950	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R4951	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4952	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4953	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R4954	ERJ3EKF7501	M 7.5KOHM, 1/16W	1	
R4955	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4957	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R4958	ERJ3EKF8202	M 82KOHM, 1/16W	1	
R4959	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R4960	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4961, 6 2	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R4963	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R4964	ERJ3EKF7501	M 7.5KOHM, 1/16W	1	
R4965	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R4966, 6 7	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4969	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R4970	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R4973	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R4974	ERJ3EKF2401	M 2.4KOHM, 1/16W	1	
R4975	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4981	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4986	ERJ3GEYJ183	M 18KOHM, J, 1/16W	1	
R4987	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4991, 9 2	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4994, 9 5	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6001-06	ERJ14YJ150U	M 15 OHM, J, 1/4W	6	
R6020	ERG3FJS101D	M 100 OHM, J, 3W	1	
R6021	ERJ14YJ150U	M 15 OHM, J, 1/4W	1	
R6022	ERG3FJS101D	M 100 OHM, J, 3W	1	
R6023-27	ERJ14YJ150U	M 15 OHM, J, 1/4W	5	
R6031,32	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6033	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6034	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6041-44	ERJ14YJ100	M 10 OHM, J, 1/4W	4	
R6051-54	ERJ14YJ100	M 10 OHM, J, 1/4W	4	
R6061,62	ERJ6GEYJ224	M 220KOHM, J, 1/10W	2	
R6101-08	ERJ6GEYJ101	M 100 OHM, J, 1/10W	8	
R6109	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6110	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6111,12	D0GD470JA036	M 47 OHM, J, 0.25W	2	
R6113	ERJ14YJ224	M 220KOHM, J, 1/4W	1	
R6114	D0GD470JA036	M 47 OHM, J, 0.25W	1	
R6116	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6131,32	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6133,34	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6135,36	D0GD100JA036	M 10 OHM, J, 0.25W	2	
R6141,42	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6146,47	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6151,52	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6153,54	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6155,56	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6157-60	D0GF1R0JA047	M 1.0 OHM, J, 0.33W	4	
R6171	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6172,73	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6181	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6182,83	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6191-94	ERJ6GEYJ101	M 100 OHM, J, 1/10W	4	
R6195	D0GD104JA036	M 100KOHM, J, 0.25W	1	
R6196	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6213	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6214	D0GD151JA036	M 150 OHM, J, 0.25W	1	
R6222	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6223	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6225	D0GD203JA036	M 20KOHM, J, 0.25W	1	
R6226,27	ERJ6GEYJ163	M 16KOHM, J, 1/10W	2	
R6228	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	
R6229	ERJ6GEYJ163	M 16KOHM, J, 1/10W	1	
R6231	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6232	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6241	EXB38V470J	RESISTOR ARRAY	1	
R6242	EXB38V472J	RESISTOR ARRAY	1	
R6243	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6244	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6245	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6246	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6251	D0GD103JA036	M 10KOHM, J, 0.25W	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	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6257	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6258	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6261	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6401-06	ERJ14YJ150U	M 15 OHM, J, 1/4W	6	
R6421-26	ERJ14YJ150U	M 15 OHM, J, 1/4W	6	
R6441-44	ERJ14YJ100	M 10 OHM, J, 1/4W	4	
R6451-54	ERJ14YJ100	M 10 OHM, J, 1/4W	4	
R6465	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6466	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6467,68	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6471	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	1	
R6472	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6473	ERJ6GEYJ561	M 560 OHM, J, 1/10W	1	
R6474	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6475,76	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R6477	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6478	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6501,02	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6503	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6504,05	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6506	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6507-09	D0GF1R0JA047	M 1.0 OHM, J, 0.33W	3	
R6511,12	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6516,17	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6521,22	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6523,24	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6525,26	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6531	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6532,33	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6551	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6552,53	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6561-64	EXB38V470J	RESISTOR ARRAY	4	
R6565-68	EXB38V472J	RESISTOR ARRAY	4	
R6581	D0GD103JA036	M 10KOHM, J, 0.25W	1	
R6582,83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6585	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6586	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6587	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6588	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6590	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6591	EXB38V472J	RESISTOR ARRAY	1	
R6592	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6603	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6604	D0GD151JA036	M 150 OHM, J, 0.25W	1	
R6605	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6606	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6607	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6608,09	D0GF102JA047	M 1.0 KOHM, J, 0.33W	2	
R6610	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6611	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	
R6612	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6613	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	
R6614,15	D0GF243JA047	M 24 KOHM, J, 0.33W	2	
R6616	ERJ6ENF1502	M 15KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6617	ERJ6GEYJ105	M 10OHM, J, 1/10W	1	
R6618	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R6619	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6620	D0D28R2JA021	M 8.2 OHM, J, 2W	1	
R6621, 2 2	ERJ6GEYJ221	M 220 OHM, J, 1/10W	2	
R6641, 4 2	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6644, 4 5	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6647, 4 8	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6658	D0D1101JA009	M 100 OHM, J, 1W	1	
R6659, 6 0	ERJ6GEYJ224	M 220KOHM, J, 1/10W	2	
R6661	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6662	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R6663	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6664	D0GF222JA047	M 2.2 KOHM, J, 0.33W	1	
R6665	ERJ14YJ470	M 47 OHM, J, 1/2W	1	
R6666	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6667, 6 8	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R6671	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6672	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6673, 7 4	D0GD5R6JA059	M 5.6 OHM, J, 0.25W	2	
R6682	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6683	D0GD151JA036	M 150 OHM, J, 0.25W	1	
R6684	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6685	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R6686	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6687	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6688	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6689	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6690	ERJ6GEYJ151	M 150 OHM, J, 1/10W	1	
R6691	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6696, 9 7	D0D32R2JA020	M 2.2 OHM, J, 3W	2	
R6700- 08	ERJ6GEYJ471	M 470 OHM, J, 1/10W	9	
R6710- 18	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	9	
R6721, 2 2	EXB38V220J	RESISTOR ARRAY	2	
R6723	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6724	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6742	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6743	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6744	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6745	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6746, 4 7	D0GD103JA036	M 10KOHM, J, 0.25W	2	
R6755	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6756- 58	D0GD101JA059	M 100 OHM, J, 0.25W	3	
R6759	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6760	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	1	
R6761	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6762	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6775, 7 6	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6777	D0GD151JA036	M 150 OHM, J, 0.25W	1	
R6781	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6782	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6791	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6792	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6793	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6801, 0 2	ERX1FJSR22D	M0.22 OHM, J, 1W	2	
R6806	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6807	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R6808	ERG3FJS560D	M 56 OHM, J, 3W	1	
R6809	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6810, 1 1	ERJ6GEYJ473	M 47KOHM, J, 1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6812	ERJ6ENF2403	M 240KOHM, 1/10W	1	
R6813	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R6814	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6815	ERG2FJS183D	M 18KOHM, J, 2W	1	
R6816	ERJ6ENF1582	M15.8KOHM, 1/10W	1	
R6817	ERJ6ENF2701	M 2.7KOHM, 1/10W	1	
R6821	ERG2FJS221D	M 220 OHM, J, 2W	1	
R6822	ERJ12YJ104U	M 100KOHM, 1/2W	1	
R6823	ERG1FJS104D	M 100KOHM, J, 1W	1	
R6824	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	
R6825, 2 6	ERJ6ENF2703	M 270KOHM, 1/10W	2	
R6827	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6828	ERJ6ENF5231	M5.23KOHM, 1/10W	1	
R6829, 3 0	ERJ6GEYJ224	M 220KOHM, J, 1/10W	2	
R6831	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R6833- 35	ERJ6ENF5602	M 56KOHM, 1/10W	3	
R6836	ERJ6ENF6802	M 68KOHM, 1/10W	1	
R6837	ERJ6ENF4702	M 47KOHM, 1/10W	1	
R6839	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6841	ERJ12YJ153U	M 15KOHM, 1/2W	1	
R6842	ERJ14YJ433U	M 43KOHM, 1/2W	1	
R6843	ERJ6GEYJ623	M 62KOHM, J, 1/10W	1	
R6844	ERG2FJS101D	M 100 OHM, J, 2W	1	
R6845	ERJ6GEYJ623	M 62KOHM, J, 1/10W	1	
R6846, 4 7	ERJ6GEYJ563	M 56KOHM, J, 1/10W	2	
R6848	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6849, 5 0	ERJ6ENF6802	M 68KOHM, 1/10W	2	
R6851	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6852	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R6853	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6860	D0D28R2JA021	M 8.2 OHM, J, 2W	1	
R6861	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6862, 6 3	ERJ6ENF4702	M 47KOHM, 1/10W	2	
R6864	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6865, 6 6	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R6867	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	1	
R6868	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6869	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6871- 73	ERJ6ENF3902	M 39KOHM, 1/10W	3	
R6874	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6875	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6876	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6877	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	1	
R6878	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6879	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6886- 88	ERJ6GEYJ224	M 220KOHM, J, 1/10W	3	
R6901	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6902- 04	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R6905	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6909	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6913	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6917	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6924	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6931- 34	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R6935, 3 6	ERJ8GEYJ224	M 220KOHM, J, 1/8W	2	
R6951	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6952- 54	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R6955	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6959	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6963	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6967	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6971	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6981-84	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R6985, 86	ERJ8GEYJ224	M 220KOHM, J, 1/8W	2	
R7112	D0GD472JA059	M 4.7KOHM, J, 0.25W	1	
R7113, 14	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R7115	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R7116	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R7118, 19	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R7120	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7122-25	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7126	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R7127, 28	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R7132-37	EXB38V470J	RESISTOR ARRAY	6	
R7139, 40	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R7142-45	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7146	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7149	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7151-54	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7155	EXB38V102J	RESISTOR ARRAY	1	
R7156	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7158, 59	EXB38V470J	RESISTOR ARRAY	2	
R7162-67	EXB38V102J	RESISTOR ARRAY	6	
R7169	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7171-74	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7175	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7177	EXB38V102J	RESISTOR ARRAY	1	
R7179, 80	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7186, 87	EXB38V470J	RESISTOR ARRAY	2	
R7201-07	EXB38V470J	RESISTOR ARRAY	7	
R7208-10	ERJ3GEYJ470	M 47 OHM, J, 1/16W	3	
R7212-15	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7216	EXB38V470J	RESISTOR ARRAY	1	
R7217	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7219	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R7221	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7223-26	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7227	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7229	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7231	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7232-35	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7236	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7237-42	EXB38V102J	RESISTOR ARRAY	6	
R7245	EXB38V102J	RESISTOR ARRAY	1	
R7246-49	ERJ3GEYJ220	M 22 OHM, J, 1/16W	4	
R7250, 51	EXB38V470J	RESISTOR ARRAY	2	
R7256, 57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7258	EXB38V102J	RESISTOR ARRAY	1	
R7260	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7262-65	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7266	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7269	D0GD472JA059	M 4.7KOHM, J, 0.25W	1	
R7270	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R7271	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8001-04	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R8005	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8009-12	ERJ3GEYJ271	M 270 OHM, J, 1/16W	4	
R8017, 18	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R8021	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8025	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8026	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R8029	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R8031	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R8033	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R8035	ERJ6ENF3300	M 330 OHM, 1/10W	1	
R8036	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R8037	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8039	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8041	ERJ3GEYJ183	M 18KOHM, J, 1/16W	1	
R8045	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8047	ERJ3GEYJ271	M 270 OHM, J, 1/16W	1	
R8048	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8050	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R8051	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8054	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8055, 56	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R8057	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R8060	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8065	D0GB911JA002	M 910 OHM, J, 1/16W	1	
R8067	D0GB911JA002	M 910 OHM, J, 1/16W	1	
R8069	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R8072	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8089	ERJ3GEYJ181	M 180 OHM, J, 1/16W	1	
R8093	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R8097, 98	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R8100	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8112	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8117-20	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R8121, 22	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	2	
R8124-27	ERJ6GEYJ101	M 100 OHM, J, 1/10W	4	
R8129	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8180	ERJ8GEYJ820V	M 82 OHM, J, 1/8W	1	
R8181	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R8182	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R8183, 84	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R8185, 86	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	2	
R8187, 88	ERJ6GEYJ560	M 56 OHM, J, 1/10W	2	
R8189, 90	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R8200	ERJ3GEYJ563	M 56KOHM, J, 1/16W	1	
R8201	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R8202	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R8203	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8204	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R8205	ERJ3GEYJ753	M 75KOHM, J, 1/16W	1	
R8206	ERJ3GEYJ393	M 39KOHM, J, 1/16W	1	
R8207	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9060-67	ERJ3GEYJ101	M 100 OHM, J, 1/16W	8	
R9070	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R9074	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9076	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9096	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9098	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9099	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9100, 01	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9102	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9105	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9106	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9107	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R9108, 09	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9110	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9111	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R9113	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R9120	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9121	ERJ3GEYJ104	M 100KOHM, 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	
R9140	ERJ3GEY0R00	M 0 OHM, 1/10W	1	
R9141-45	ERJ3GEYJ101	M 100 OHM, J, 1/16W	5	
R9148	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9149	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9150, 51	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9152, 53	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	
R9154, 55	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R9156-59	ERJ3GEYJ103	M 10KOHM, J, 1/16W	4	
R9160, 61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9164-66	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9167, 68	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R9169	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9170-72	ERJ3GEYJ393	M 39KOHM, J, 1/16W	3	
R9173-75	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9177	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R9178	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9180	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9181-84	ERJ3GEYJ102	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	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9192	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9193	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9194	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9196	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9199	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R9203	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R9205	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9206, 07	ERJ3GEYJ102	M 1KOHM, J, 1/16W	2	
R9215	ERJ3GEYJ123	M 12KOHM, J, 1/16W	1	
R9217-22	ERJ3GEYJ103	M 10KOHM, J, 1/16W	6	
R9223	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9225	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9230	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9232	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9236	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9237	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9240	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9317	ERJ3GEYJ391	M 390 OHM, J, 1/16W	1	
R9348	D1HG8208A002	NETWORK RESISTER	1	
R9349	EXB38V820J	RESISTOR ARRAY	1	
R9350, 51	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9352	EXB38V820J	RESISTOR ARRAY	1	
R9353, 54	D1HG8208A002	NETWORK RESISTER	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9355, 56	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	
R9357-59	D1HG8208A002	NETWORK RESISTER	3	
R9360	EXB38V820J	RESISTOR ARRAY	1	
R9361, 62	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9363	EXB2HV470JV	RESISTOR ARRAY	1	
R9366	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9367	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9368	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9369	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9370	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9371	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9379	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9380	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R9382	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9390	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9391	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9394	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9395	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R9501	ERJ3GEYJ103	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	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9511-13	ERJ3GEYJ470	M 47 OHM, J, 1/16W	3	
R9514	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9516	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9518	ERJ3GEYJ561	M 560 OHM, J, 1/16W	1	
R9523	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9525	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9526	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9527, 28	EXB2HV272JV	RESISTOR ARRAY	2	
R9529, 30	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
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	
R9537	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9539	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9543, 44	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9545	ERJ3GEYJ304V	M 300KOHM, J, 1/16W	1	
R9548-50	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9552	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9555	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9800	ERJ3EKF1302	M 13KOHM, 1/16W	1	
R9801	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9802	ERJ3EKF6202	M 62KOHM, 1/16W	1	
R9803	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9804	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9805	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R9806	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9807	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9808	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9810	ERJ3EKF3001	M 3KOHM, 1/16W	1	
R9813	ERJ3EKF2401	M 2.4KOHM, 1/16W	1	
R9814	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R9815	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R9816	ERJ3EKF8202	M 82KOHM, 1/16W	1	
R9821	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9823-27	ERJ3GEYJ101	M 100 OHM, J, 1/16W	5	
R9828	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9830, 31	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9838, 39	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R9840	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R9841	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9842-44	ERJ3GEYJ101	M 100 OHM, J, 1/16W	3	
R9845	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R9846, 47	EXB2HV272JV	RESISTOR ARRAY	2	
R9848, 49	EXB2HV470JV	RESISTOR ARRAY	2	
R9850	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R9854	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9859	EXB38V101J	RESISTOR ARRAY	1	
R9861-63	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9868	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9869-71	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9872	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9878	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9879	ERJ3EKF2002	M 20KOHM, 1/16W	1	
R9880	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9883	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9884	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9891	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R9892	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R9893	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9896	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9897	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9903	EXB2HV470JV	RESISTOR ARRAY	1	
R9904	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R9905	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9906	EXB38V470J	RESISTOR ARRAY	1	
R9907	ERJ3GEYJ151	M 150 OHM, J, 1/16W	1	
R9917, 18	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9919, 20	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	2	
R9922	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9929	ERJ3GEY0R00	M 0 OHM, 1/16W	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	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
RL402, 03	TSEH8011	RELAY	2	△
RM001	PNA4701M05TV	REMOCO RECEIVER	1	
RTL	TNPA3640	CIRCUIT BOARD V1	1	△
RTL	TNPA3641	CIRCUIT BOARD V2	1	△
RTL	TNPA3642	CIRCUIT BOARD S1	1	△
RTL	TNPA3655AD	CIRCUIT BOARD PB	1	△
RTL	TNPA3812	CIRCUIT BOARD C1	1	△
RTL	TNPA3813	CIRCUIT BOARD C2	1	△
RTL	TNPA3814	CIRCUIT BOARD SC	1	△
RTL	TNPA3815	CIRCUIT BOARD SS	1	△
RTL	TNPA3818	CIRCUIT BOARD SU	1	△
RTL	TNPA3819	CIRCUIT BOARD SD	1	△
RTL	TNPA3896	CIRCUIT BOARD J	1	△
RTL	TNPA3911AJ	CIRCUIT BOARD P	1	△
RTL	TNPA3931	CIRCUIT BOARD H3	1	△
RTL	TNPA3931	CIRCUIT BOARD H3	1	△
RTL	TXNHU1ZFTW	CIRCUIT BOARD HU	1	△
RTL	TZTNP010ZKT	CIRCUIT BOARD D	1	△
RTL	TZTNP03ZQTU	CIRCUIT BOARD HX	1	△
RTL	TZTNP020ZKT	CIRCUIT BOARD DA	1	△
S34	K1KA03AA0193	3P CONNECTOR	1	
S401, 02	J0LT00000009	SWITCH	2	△

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
SC2	K1KA02A000626	2P CONNECTOR	1	
SC20	K1KA20AA00008	20P CONNECTOR	1	
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC30	K1KA08AA0192	8P CONNECTOR	1	
SC41, 42	K1ML80B000001	80P CONNECTOR	2	
SC45, 46	K1KA09A00239	9P CONNECTOR	2	
SCMM1	TMME260	CLAMPER	1	
SCMM3	TMME260	CLAMPER	1	
SD1-D4	K1MN96B000005	96P CONNECTOR	4	
SD46	K1KB09A00045	9P CONNECTOR	1	
SS11	K1KA02A000626	2P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS23	K1KA12AA0194	12P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS41-44	K1MN13B000020	13P CONNECTOR	4	
SU1-U4	K1MN96B000005	96P CONNECTOR	4	
SU45	K1KB09A00045	9P CONNECTOR	1	
SW061	K0F162B000002	SWITCH	1	△
SW1550-54	EVQPLHA15	SWITCH	5	△
T401	G4D4A0000117	SWITCHING TRANSFORMER	1	
T402	G4D1A0000098	SWITCHING TRANSFORMER	1	△
T404	ETS42LA12GAD	SWITCHING TRANS	1	△
T407	ETQ11K5AZ	CHOKE TRANS	1	△
T410	ETS25AF115AH	SWITCHING TRANS	1	△
T601	G4D2A0000264	SWITCHING TRANS	1	
T6602	ETS25AZ139AD	SWITCHING TRANS	1	
V2	K1KA06BA0047	6P CONNECTOR	1	
V15	K1KA03BA0047	3P CONNECTOR	1	
VR6000	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6600	EVMEASA00B13	CONTROL 1KOHMB 0.3W	1	
VR6602	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
W9, 10	J0JKB0000037	FLAT CORE	2	
X501	H2B400400021	CRYSTAL	1	
X2301	H0J184500026	CRYSTAL	1	
X3301	H1A2705B0032	CRYSTAL	1	
X4501	H0J200500038	CRYSTAL	1	
X4701	H0J100500030	CRYSTAL	1	
X8181	H0J327200114	CRYSTAL	1	
X9000	H2D200500011	CRYSTAL	1	
X9200	H0J200500038	CRYSTAL	1	
Z1, Z2	K4ZZ01000206	TERMINAL	2	
Z420	TMM23417	CLAMPER	2	
Z450-53	EYF52BCY	FUSE HOLDER	4	
ZA3001-08	K4CD01000013	TERMINAL	8	
ZA4001, 02	K4CD01000011	TERMINAL	2	
ZA6001, 02	K4CD01000011	TERMINAL	2	
ZA6005	K4CD01000011	TERMINAL	1	
ZA6401-03	K4CD01000011	TERMINAL	3	
ZA7101-04	K4CD01000013	TERMINAL	4	
ZA7201-04	K4CD01000013	TERMINAL	4	
ZA9001	K4CD01000011	TERMINAL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZN401	ERZVGED621T2	VARISTOR	1	△
ZN402	D4EAD7510001	VARISTOR	1	△
ZN404	ERZVGAD681T2	VARISTOR	1	△
ZN405, 0 6	ERZVA7D511	VARISTOR	2	△