

Service Manual

LCD TV



TX-20LA60F
TX-20LA60P
TX-20LA6F
TX-20LA6P
SL-131PP Chassis

Power Source

AC 220-240V, 50Hz.

Power Consumption

Average use: 41W
 Standby condition: 1W

LCD

VGA (640 × 480 pixels)
 4:3 aspect ratio LCD panel

Screen Size

408 mm(W) × 306 mm(H)

Sound

Speaker

9 cm × 5cm, 2pcs, 4Ω

Audio Output

4W (2W + 2W), 20% THD

Headphones

M3 (3.5 mm) Jack x 1

Receiving Systems/ Band name

VHF BAND I: CH2-CH4

BAND II: CH5-CH12

UHF HYPER BAND : S1'-S3', S1-S20

BAND IV, V : CH21-CH68

PAL-B/G, D/K, SECAM-L/L', NTSC(AV input only)

Aerial-Rear

UHF/VHF

Operating Conditions

Temperature: -10°C ~ 40°C

Humidity: 0%-90% RH (non-condensing)

Connection Terminals

AV1 (Scart connector)

21 Pin terminal (Audio/Video in, Audio/Video out, RGB in)

AV2

VIDEO

RCA PIN Type × 1

S-VIDEO

Mini DIN 4-pin

AUDIO L-R

RCA PIN Type × 2

Dimensions (W x H x D)

Including TV Stand

498mm(W) × 260mm(D) × 493mm(H)

TV Set Only

498mm(W) × 95mm(D) × 451mm(H)

Weight

10.9kg Net

Note:

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

⚠ WARNING

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

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1. Safety Precautions

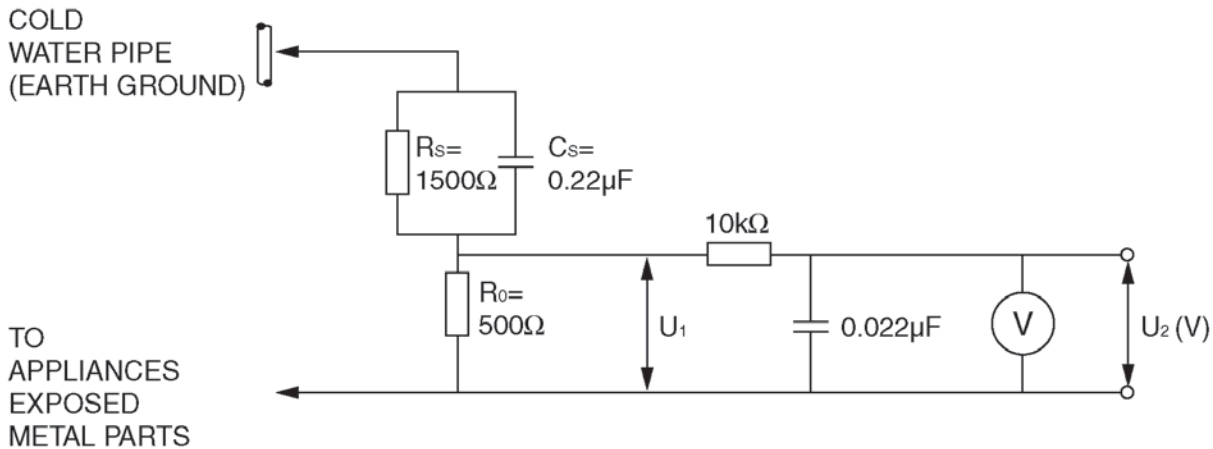
1.1. General Guidelines

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.

1.2. Touch-Current Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reserve the AC plug in the AC outlet and repeat each of the above measure.
6. The potential at any point (TOUGH CURRENT) expressed as voltage U_1 and U_2 , does not exceed the following values:
For a. c.: $U_1 = 35 \text{ V}$ (peak) and $U_2 = 0.35 \text{ V}$ (peak);
For d. c.: $U_1 = 1.0 \text{ V}$,
Note:
The limit value of $U_2 = 0.35 \text{ V}$ (peak) for a. c. and $U_1 = 1.0 \text{ V}$ for d. c. correspond to the values 0.7 mA (peak) a. c. and 2.0 mA d. c.
The limit value $U_1 = 35 \text{ V}$ (peak) for a. c. correspond to the value 70 mA (peak) a. c. for frequencies greater than 100 kHz .
7. In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

Measuring network for TOUCH CURRENTS



Resistance values in ohms (Ω)

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

Input resistance: $\geq 1 \text{ M}\Omega$

Input capacitance: $\leq 200 \text{ pF}$

Frequency range: 15 Hz to 1 MHz and d.c. respectively

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

Figure 1

2. 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.

3. 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).

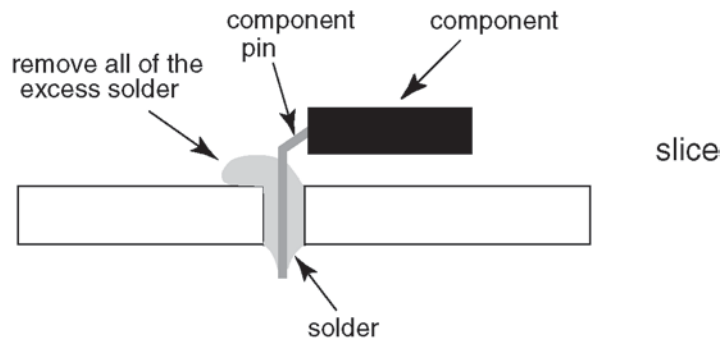
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

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

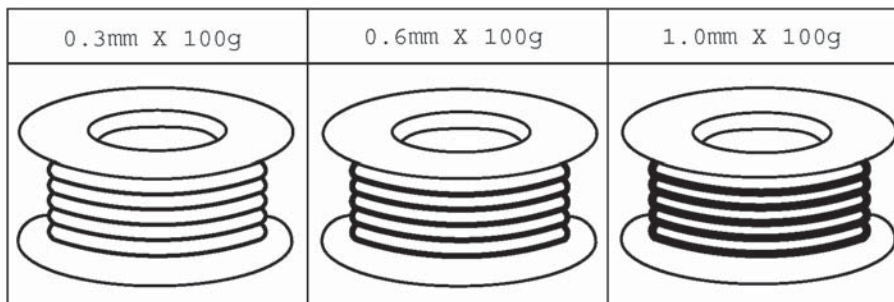
- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40°C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C). If you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

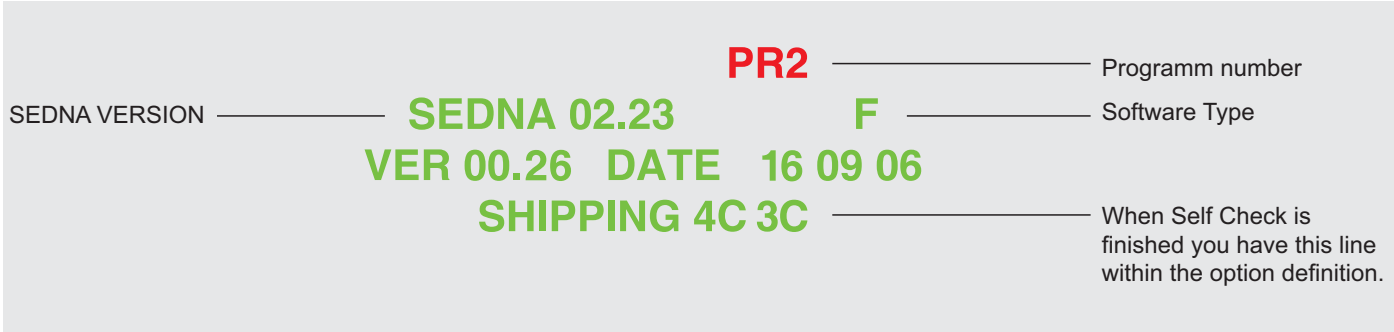
However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.



4. Self Check

1. Self-Check is used to automatically check the bus lines and hexadecimal code of the TV set.

2. To get into the Self -Check mode press the **Down** (**—/ V**) button on the TV set, at the same time pressing the **Recall** () button on the remote control, and the screen will show when the self Check is finished:



SEDNA VERSION _____ **SEDNA 02.23** _____ **PR2** _____ Programm number
_____ **F** _____ Software Type
VER 00.26 DATE 16 09 06
SHIPPING 4C 3C _____ When Self Check is finished you have this line within the option definition.

3. Turn off the TV to reset after SELF-CHECK menu.

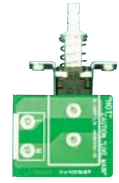
5. Chassis Board Layout



HEADPHONE ASSY



TTL ASSY



POWER SWITCH ASSY



POWER MODULE



MAIN ASSY



LED ASSY



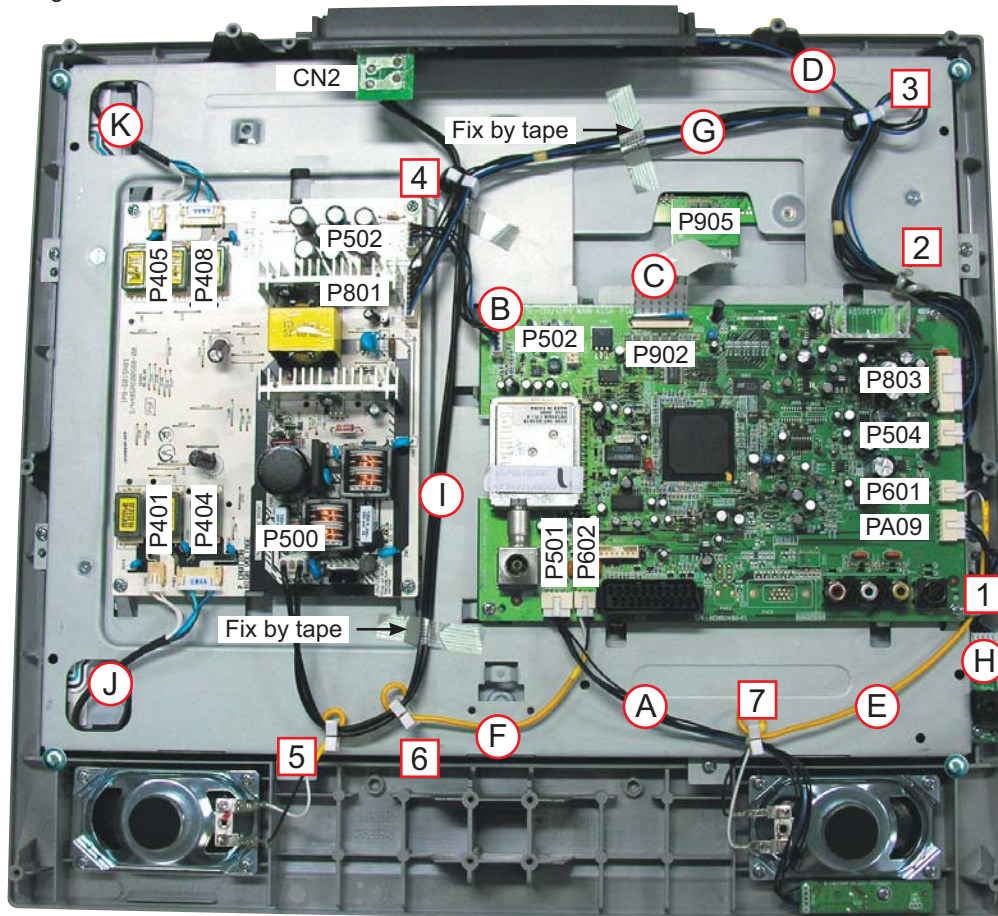
CTRL ASSY

Board Name	Function
MAIN ASSY	Main Board
CTRL ASSY	Select Switch
HEADPHONE ASSY	Headphone socket
LED ASSY	Remote Receiver, LED
POWER SWITCH ASSY	Main power switch
TTL ASSY	Adapter of FFC cable
POWER MODULE	Power Module

6. Before servicing

6.1. Wire dressing

Check a wire dressing is same as illustrated below;



6.1.1 Connection

1. Connect every connector surely as illustrated above photo (A ~ K).
2. Manage wires not to touch any sharp edge of the metal parts.
3. Manage wires not to have too much tension.

6.1.2 Clamping

Wire		Clamp wire 4956800200	Clamp wire 4856815900	Loop wire
A	P501 - P501A connection wire 4850705S30	7		
B	P502 - P502 on Power Module connection wire 4850705N39			
C	P902 - P905 on TTL Ass'y cable FFC 4859006560			
D	P504 - P504A connection wire 4850704S84	3	2	
E	P601 - (L)SPEAKER connection wire 4850703S77	7	1	●
F	P602 - (R)SPEAKER connection wire 4850703S77	5,6		●
G	P803 - P801 on Power Module connection wire 4850710S32	3,4	2	●
H	PA09 - PA09B connection wire 4850705S28		1	
I	CN2 - P500 on Power Module connection wire 4850703N47	4,5,6		●
J	P401 and P404 on Power Module LCD panel connection wire			
K	„P405 and P408 on Power Module LCD panel connection wire			

7. Disassembly for service

7.1 Stand Ass'y

1. Lay down the main unit so that the back cover faces upward.
2. Remove the fixing screws (4pcs →)



3. Remove the stand ass'y

7.2. Back cover

1. Remove stand ass'y (see 7.1.)
2. Remove the fixing screws (9pcs →)
3. Take out the Terminal Cover (↗)
4. Release the Cord Holder (⇨)



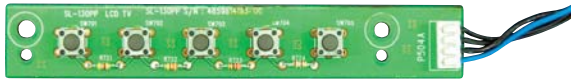
5. Pull Power Cord plug through Back Cover hole.
6. Remove Back Cover.

7.3. CTRL Ass'y

1. Remove the back cover (see. 7.2.).
2. Disconnect wires: CN2 and P504.
3. Remove CTRL Panel Ass'y.
4. Remove screws (2 pcs →).



5. Remove CTRL PCB.



7.4. Power Switch Ass'y

1. Remove the back cover (see. 7.2.).
2. Disconnect wires: CN2 and P504.
3. Remove CTRL Panel Ass'y.
4. Remove screws (3 pcs →).



5. Remove Button CTRL Ass'y.
6. Remove Button Power and fixing screws (2 pcs →).

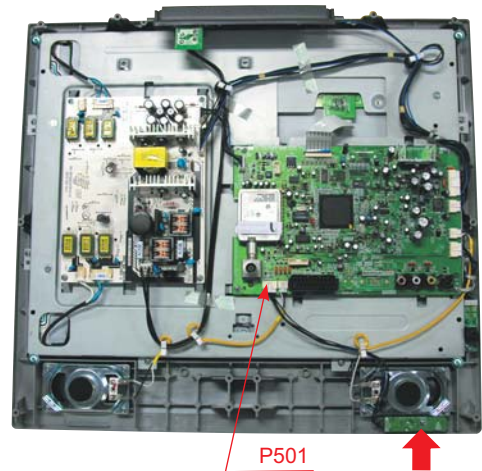


7. Remove Power Switch Ass'y.



7.5. LED Ass'y

1. Remove the back cover (see. 7.2.).
2. Disconnect wire: P501
3. Remove screw (1 pcs →)

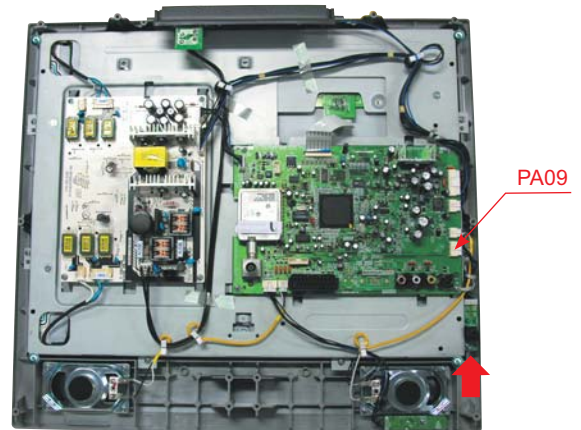


4. Remove LED PCB.



7.6. Headphone Ass'y

1. Remove the back cover (see. 7.2.).
2. Disconnect wire: PA09
3. Remove screw (1 pcs →)

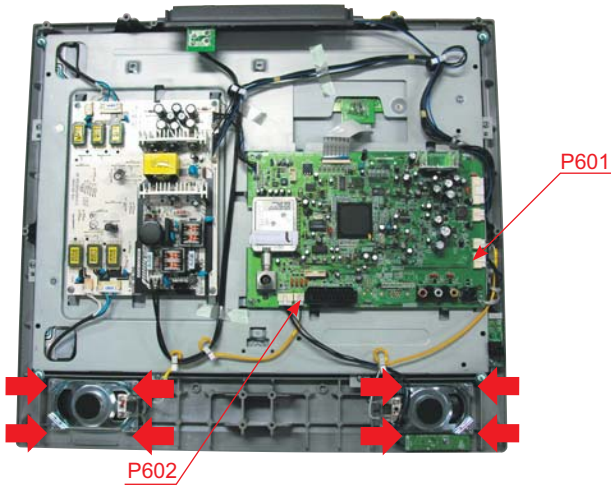


4. Remove Headphone PCB



7.7. Speaker (left and right)

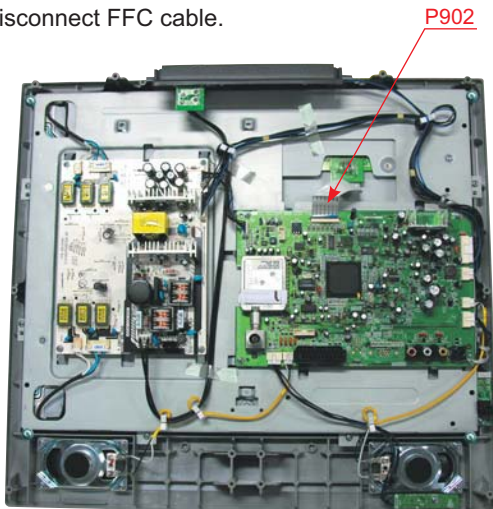
1. Remove the back cover (see. 7.2.)
2. Disconnect wires: P601 and P602
3. Remove screws (8 pcs ➡)



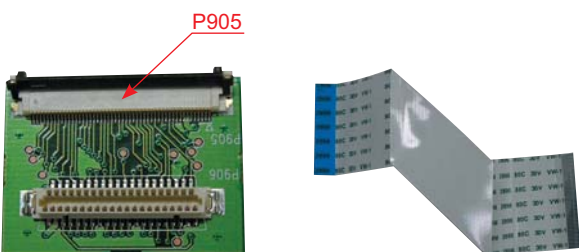
4. Remove Speakers.

7.8. TTL Ass'y

1. Remove the back cover (see. 7.2.)
2. Unlock P902 connector clip.
3. Disconnect FFC cable.

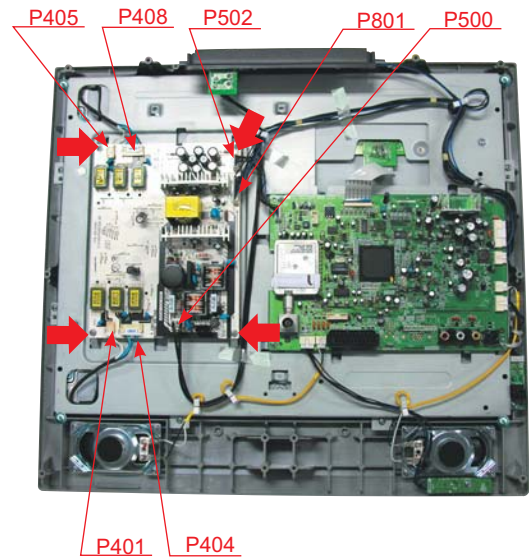


4. Remove TTL PCB from LCD panel.
5. Unlock P905 connector clip.
6. Remove FFC cable.



7.9. Power Module

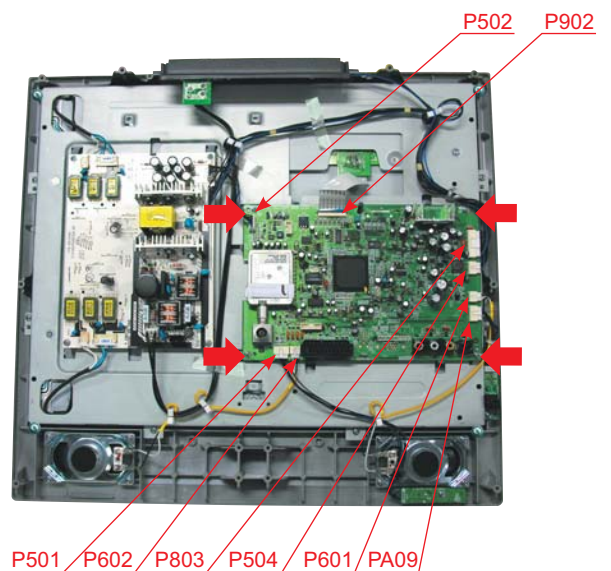
1. Remove the back cover (see. 7.2.).
2. Disconnect wires: P500, P502, P801
3. Disconnect LCD panel wires: P401, P404, P405, P408
4. Remove screws (4 pcs ➡).



5. Remove Power Module.

7.10. Main Ass'y

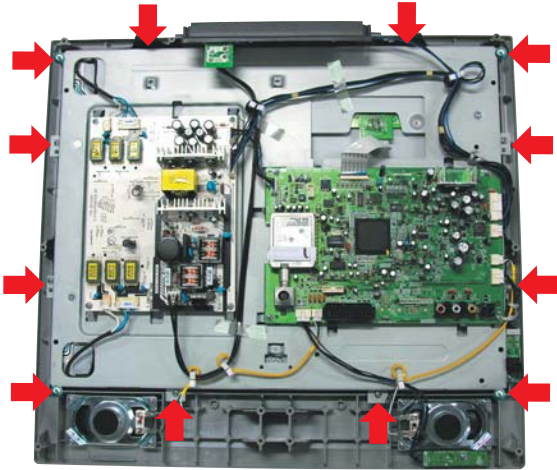
1. Remove the back cover (see. 7.2.)
2. Disconnect wires: P501, P502, P504, P601, P602, P803, P902, PA09
3. Remove screws (4 pcs ➡).



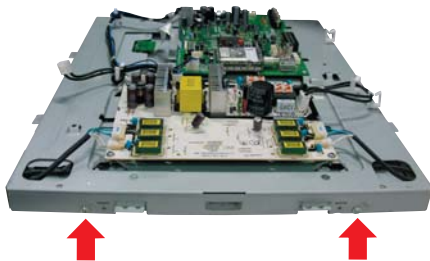
4. Remove Main PCB Ass'y.

7.11. Panel LCD

1. Remove the back cover (see. 7.2.)
2. Take out CTRL Panel Ass'y.
3. Take out TTL Ass'y.
4. Disconnect cables and unlock from clap wire: P401, P404, P405, P408, P501, P601, P602, PA09
5. Remove screws (12 pcs →).



6. Take Main Frame Ass'y out of Front Mask.
7. Unscrew LCD Panel and Main Frame (4 screws →)





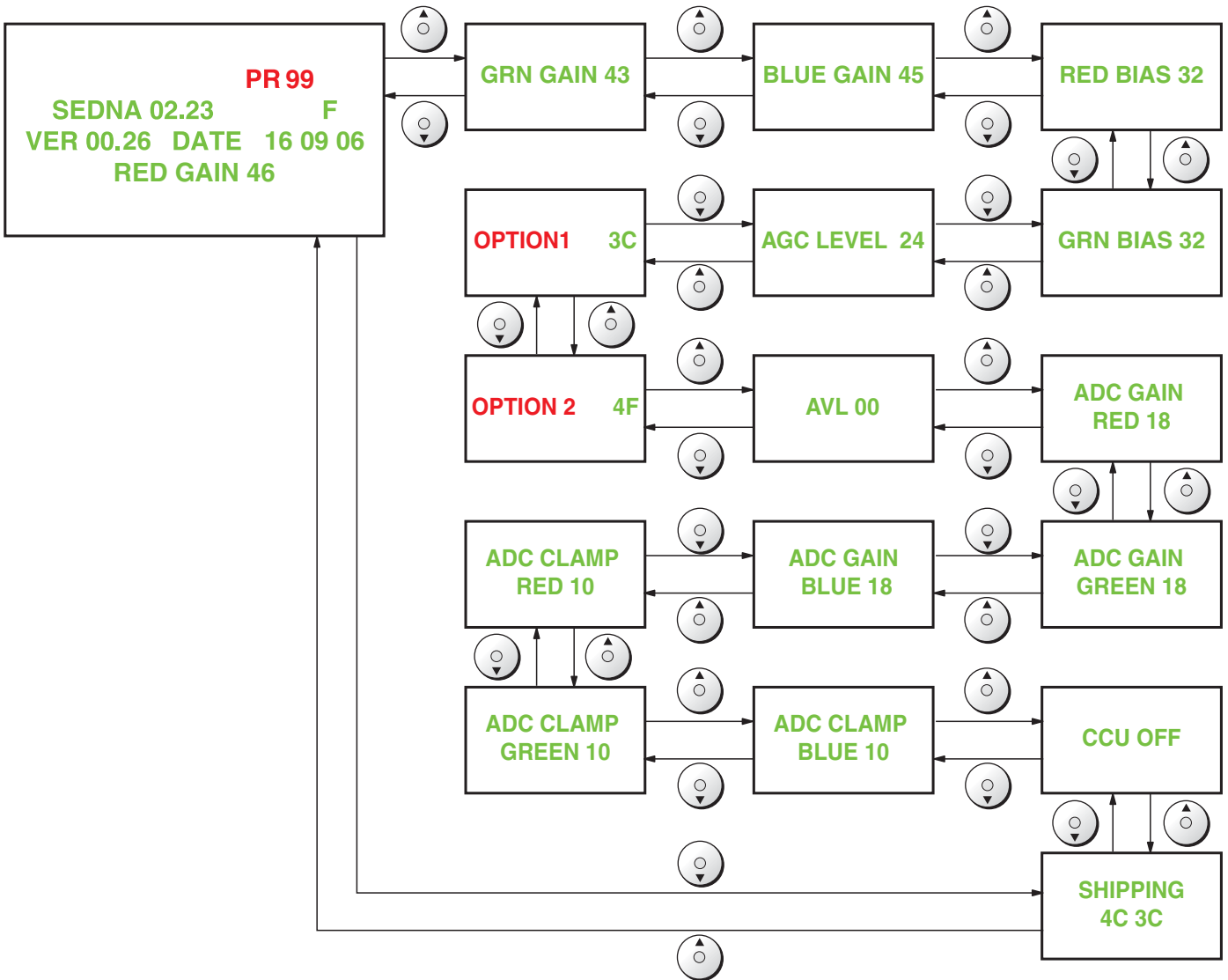
8. Remove LCD Panel.

8. Service Mode Function





MPU controls the functions switching for each IICs through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Service Mode.

8.1. How to enter SERVICE

Simultaneously press MUTE button () on remote control and program DOWN button () on the TV set.



Key Command

- * Press the selection button () or program up/down button () to step up/down through the functions.
- * Press the selection button () or volume up/down button () to change the function values.
- * Each adjustment values will stored automatically.

8.2. How to exit SERVICE

To exit from Service mode, press menu or Power button on remote control.

8.3. Option Description

There are two option bytes available (16 bits in all). These option bits are available from FACTORY and SERVICE mode. First find the OPTION1 or OPTION2 control, and then use the UP/DOWN and PLUS/MINUS keys on the relevant remote keypad to control the bits. The table below shows the two option bytes available;

8.3.1 OPTION 1

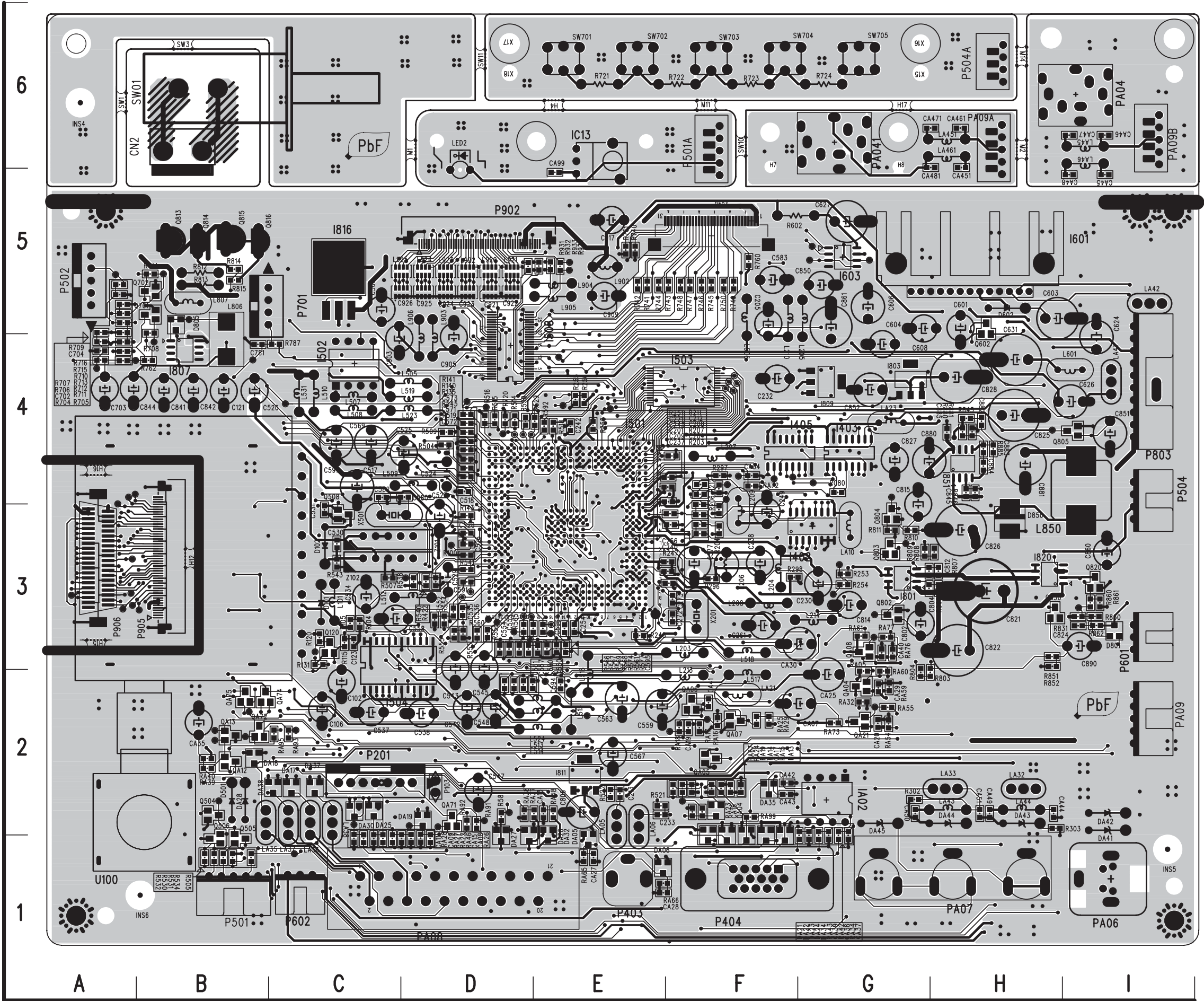
	B7	B6	B5	B4	B3	B2	B1	B0
1	TOP Teletext OFF	FASTEXT (FLOF) OFF	PANEL 4:3	Not used	Dolby Virtual OFF	PC Disable	TUNER OPTIONS 00 = Philips 01 = Not used 10 = Alps 11 = Partsnic	
0	TOP Teletext ON	FASTEXT (FLOF) ON	PANEL 15:9	Not used	Dolby Virtual ON	PC Enable		

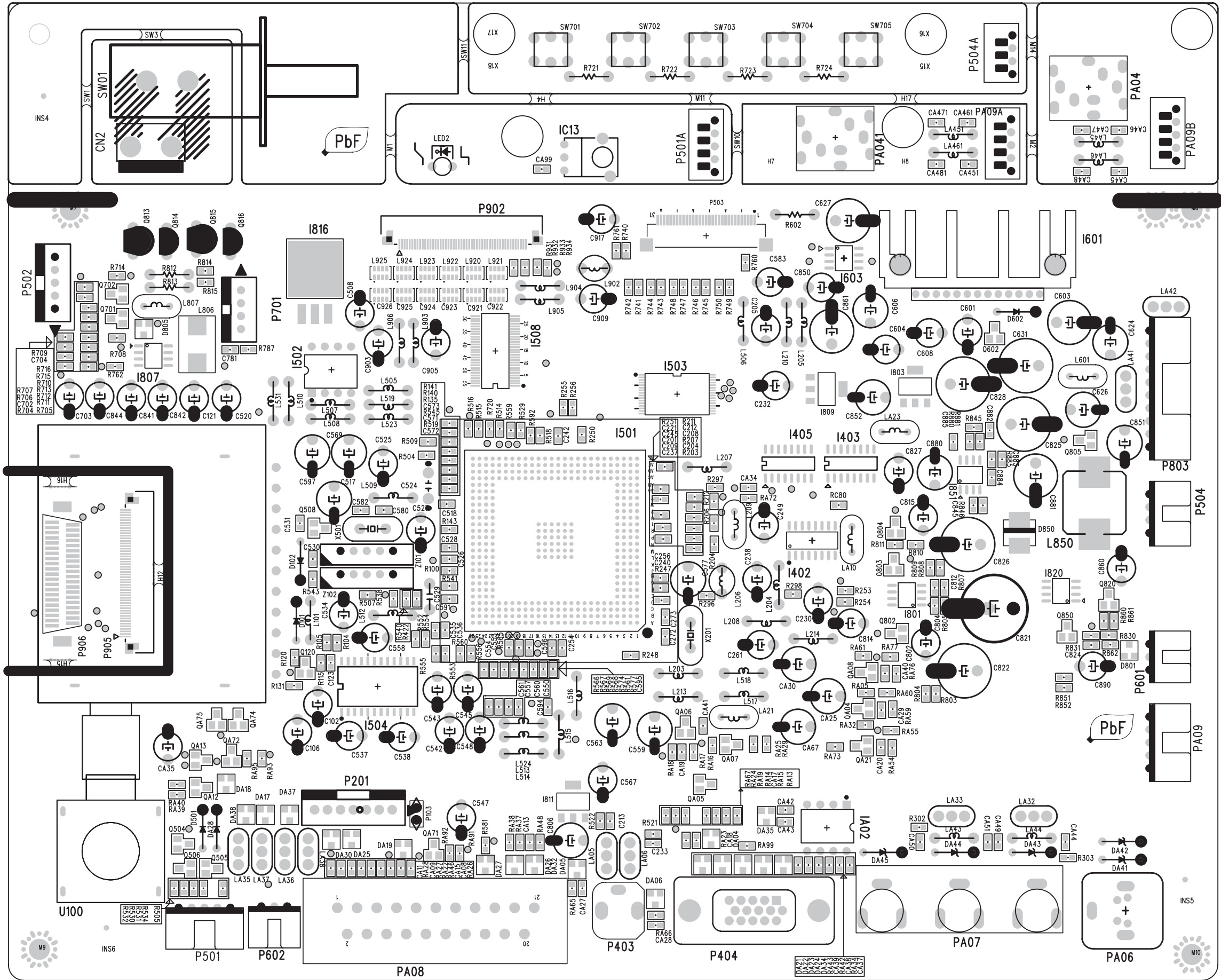
8.3.2 OPTION 2

	B7	B6	B5	B4	B3	B2	B1	B0
1	Fixed to '0'	PANASONIC remote control	Must be set to '0'	Not used	Not used	Full ATSS	Must be set to '0'	Must be set to '0'
0		Daewoo Remote control	Must be set to '0'	Not used	Not used	Basic ATSS	Must be set to '0'	Must be set to '0'

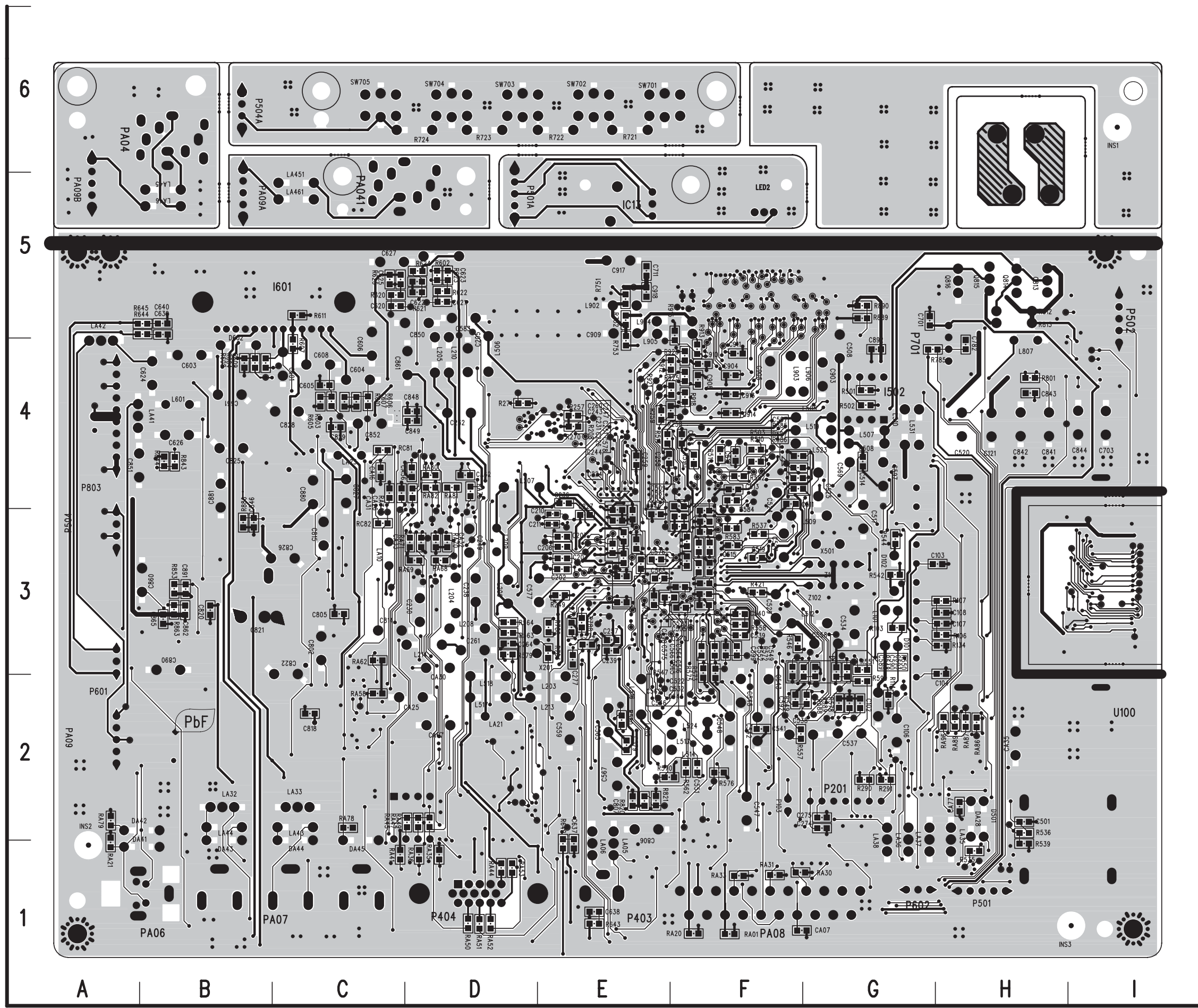
9. Conduct Views

9.1. Foil Side



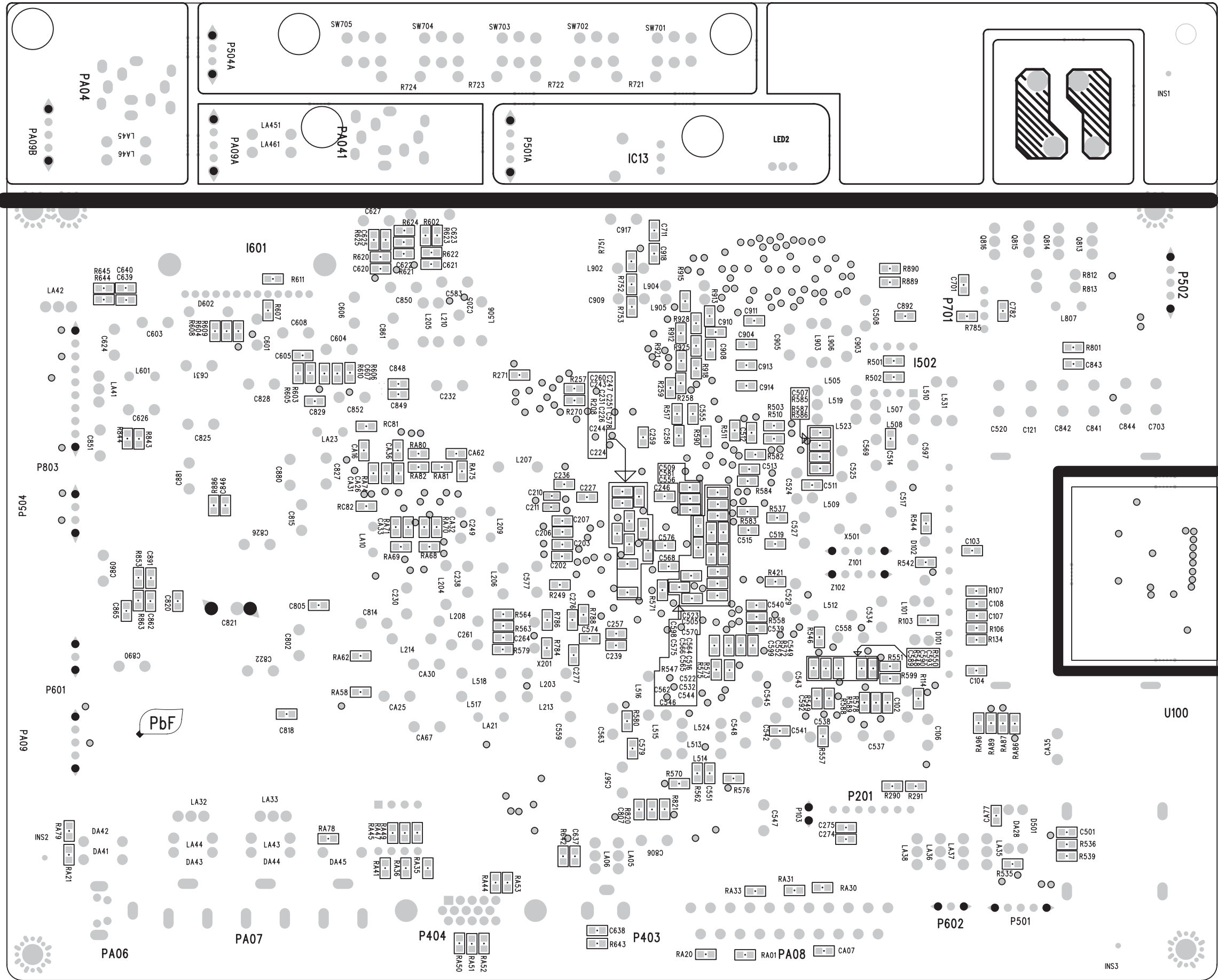


9.2. Component Side



Part Location

IC		TRANSISTOR		CRYSTAL QUARTZ	
I402	F3	Q120	C2	X201	F3
I501	D3,E3	Q506	B1	X501	C3
I502	C4	Q508	C3		
I503	E4,F4	Q602	H4		
I504	C2	Q701	A5		
I508	D4,D5	Q702	B5		
I601	G5,H5	Q802	G3		
I603	G5,H5	Q803	G3		
I801	G3	Q804	G3		
I803	G4	Q805	H4		
I807	B4	Q813	B5		
I809	G4	Q814	B5		
I811	E2	Q815	B5		
I816	C5	Q816	B5		
I820	H3	Q820	H3		
I851	G4,H4	Q850	H3		
IC13	E5	QA04	G2		
		QA08	G2		
		QA12	B2		
		QA13	B2		
		QA21	G2		
		QA71	C2		
		QA72	C2		
		QA74	C2		
		QA75	B2		
				FILTER SAW	
				Z101	C3
				Z102	C3



10. Block and Schematic Diagrams

10.1. Schematic Diagram 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.

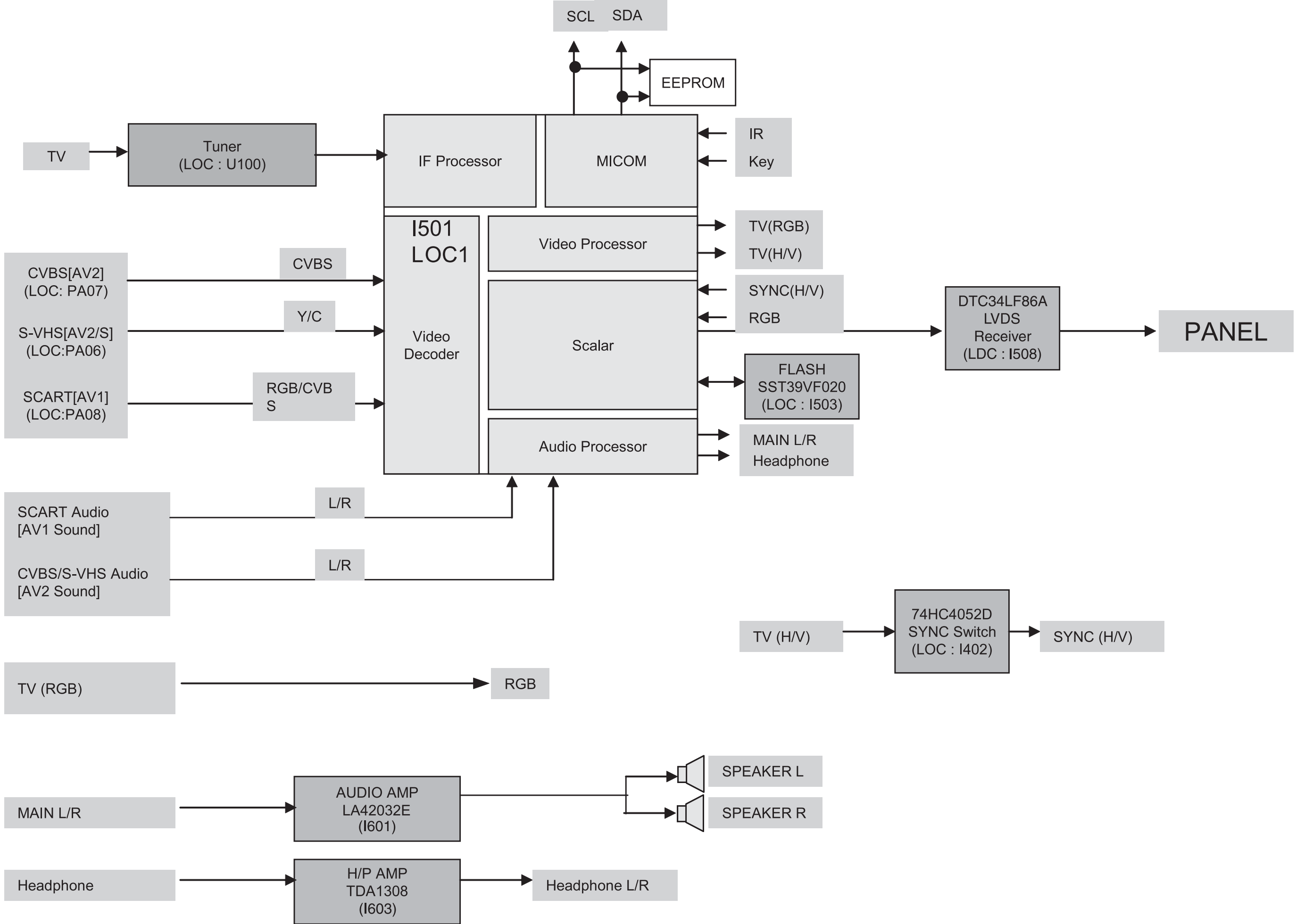
Notes:

1. **Resistor**
All resistors are carbon 1/4W resistor, unless marked as follows:
Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
Unit of capacitance is μ F, unless otherwise noted.
3. **Coil**
Unit of inductance is μ F, unless otherwise noted.
4. **Test Point**
 \circ : Test Point position
5. **Earth Symbol**
 $\#$: Chassis Earth (Cold) \downarrow : Line Earth (Hot)
6. **Voltage Measurement**
Voltage is measured by a DC voltmeter.
Conditions of the measurement are the following:
Power Source AC 220-240V, 50/60Hz
Receiving Signal Colour Bar signal (RF)
All customer's controls Maximum positions
7. When arrow mark (\nearrow) is found, connection is easily found from the direction of arrow
8. Indicates the major signal flow. : Video \Rightarrow Audio \Leftrightarrow
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

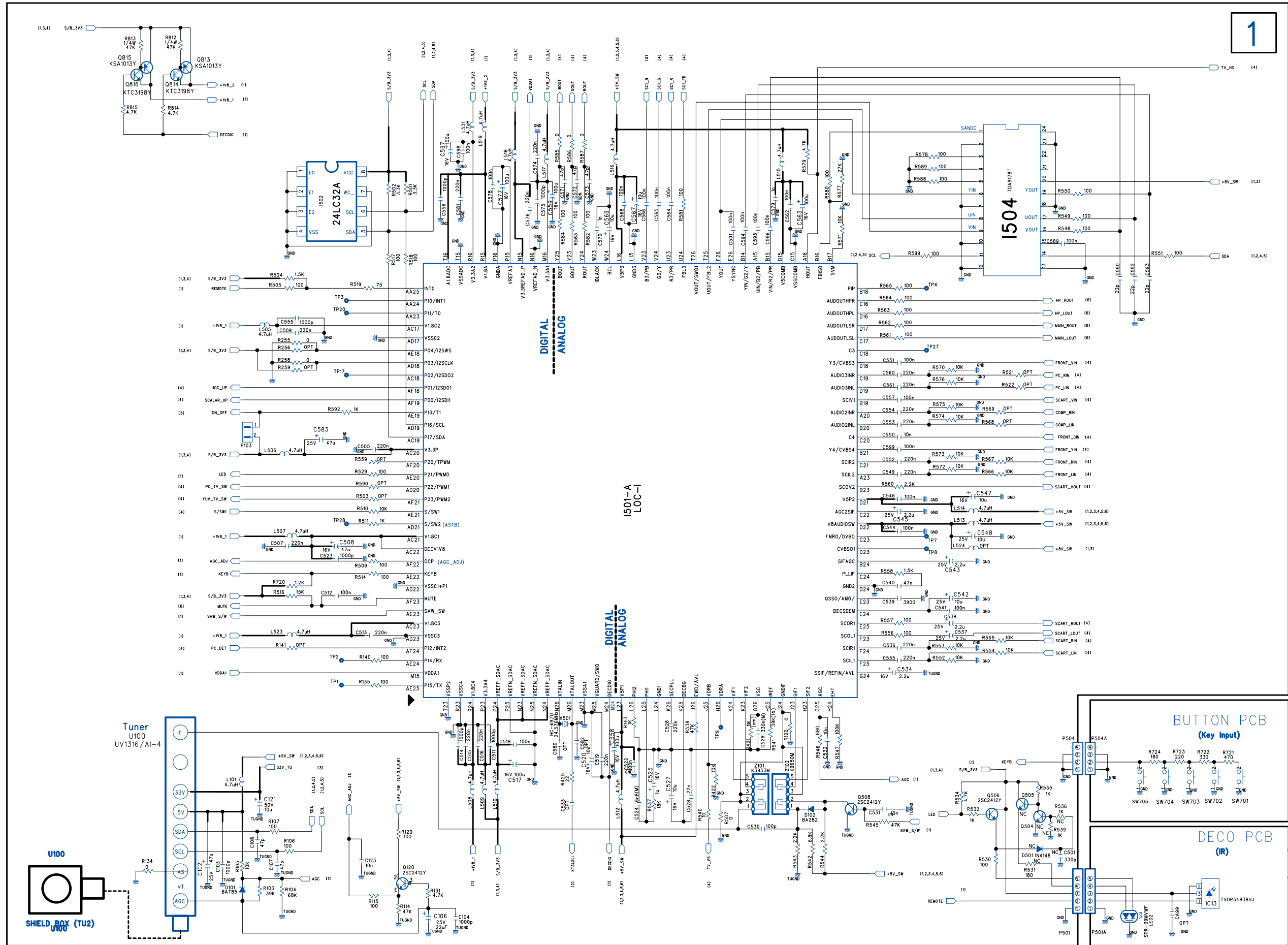
Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits, except the Power Circuit, are cold.
Precautions
 - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - b. Do not short-circuit the hot and cold circuits or a fuse may blow and parts may break.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.

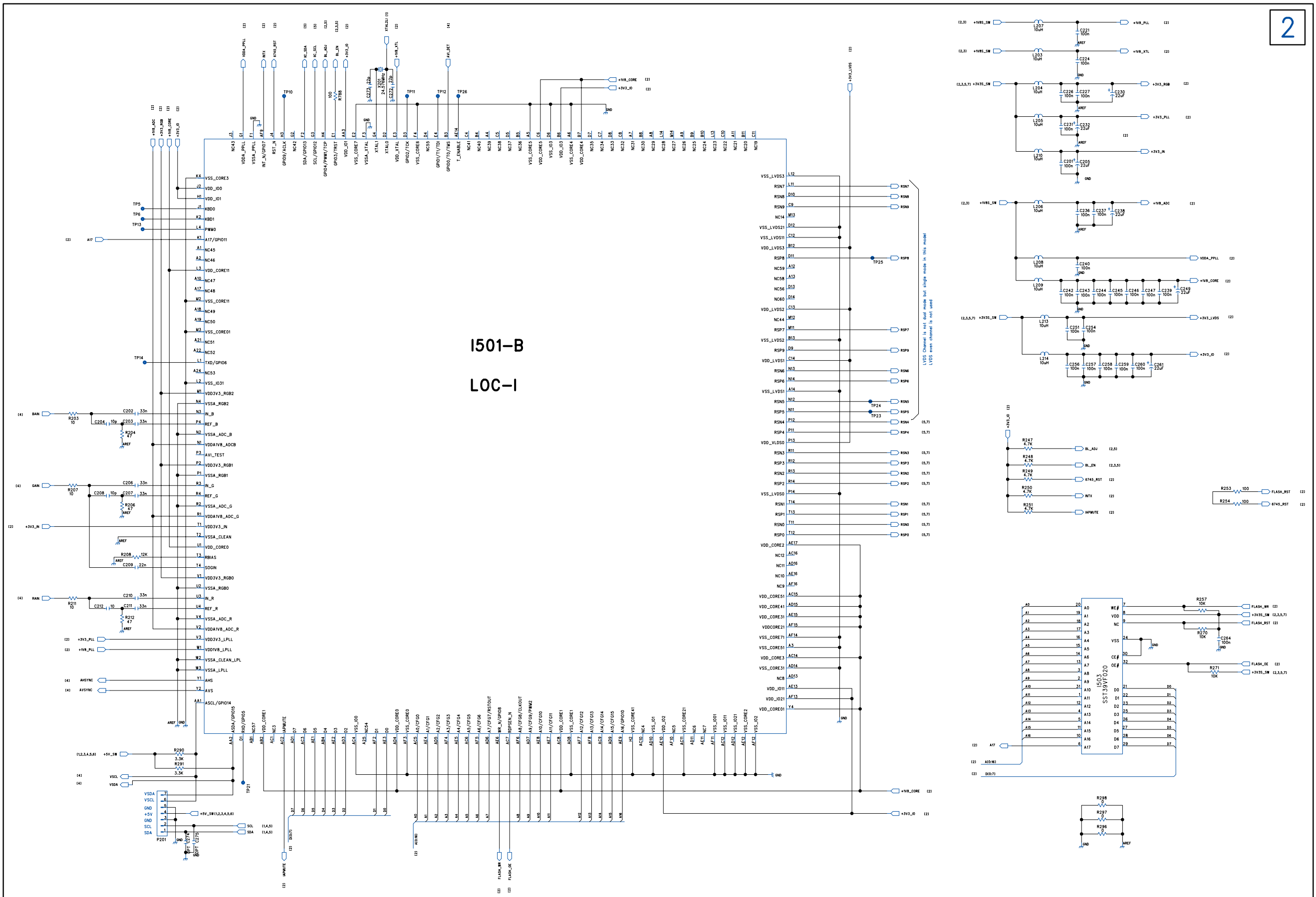
10.2. Block Diagram



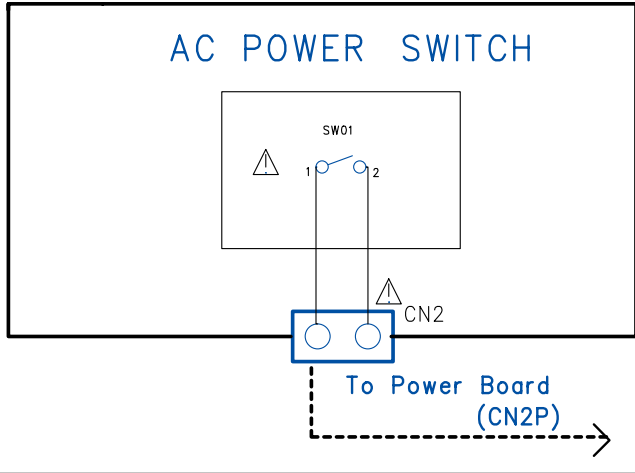
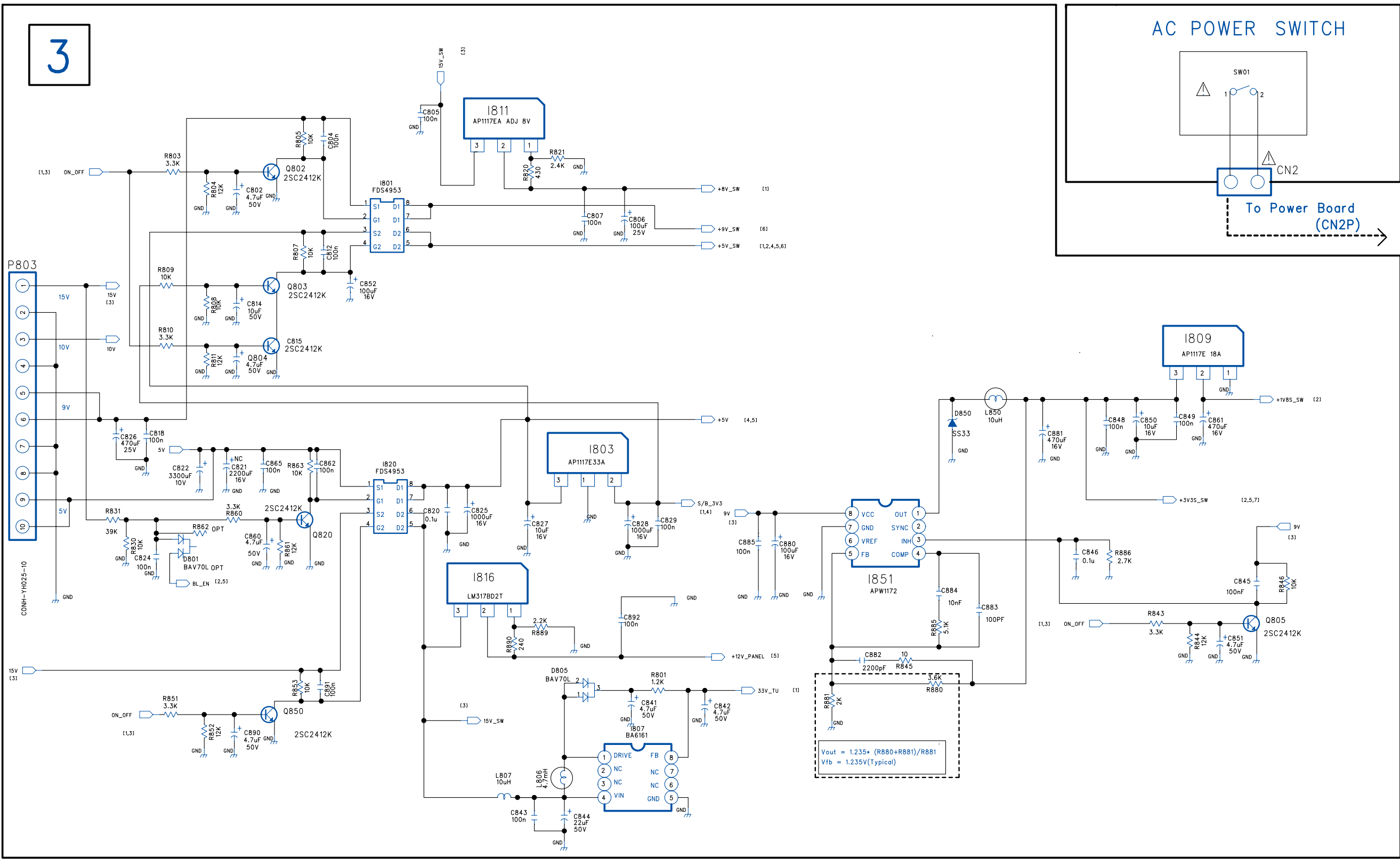
10.3 Schematic Diagram



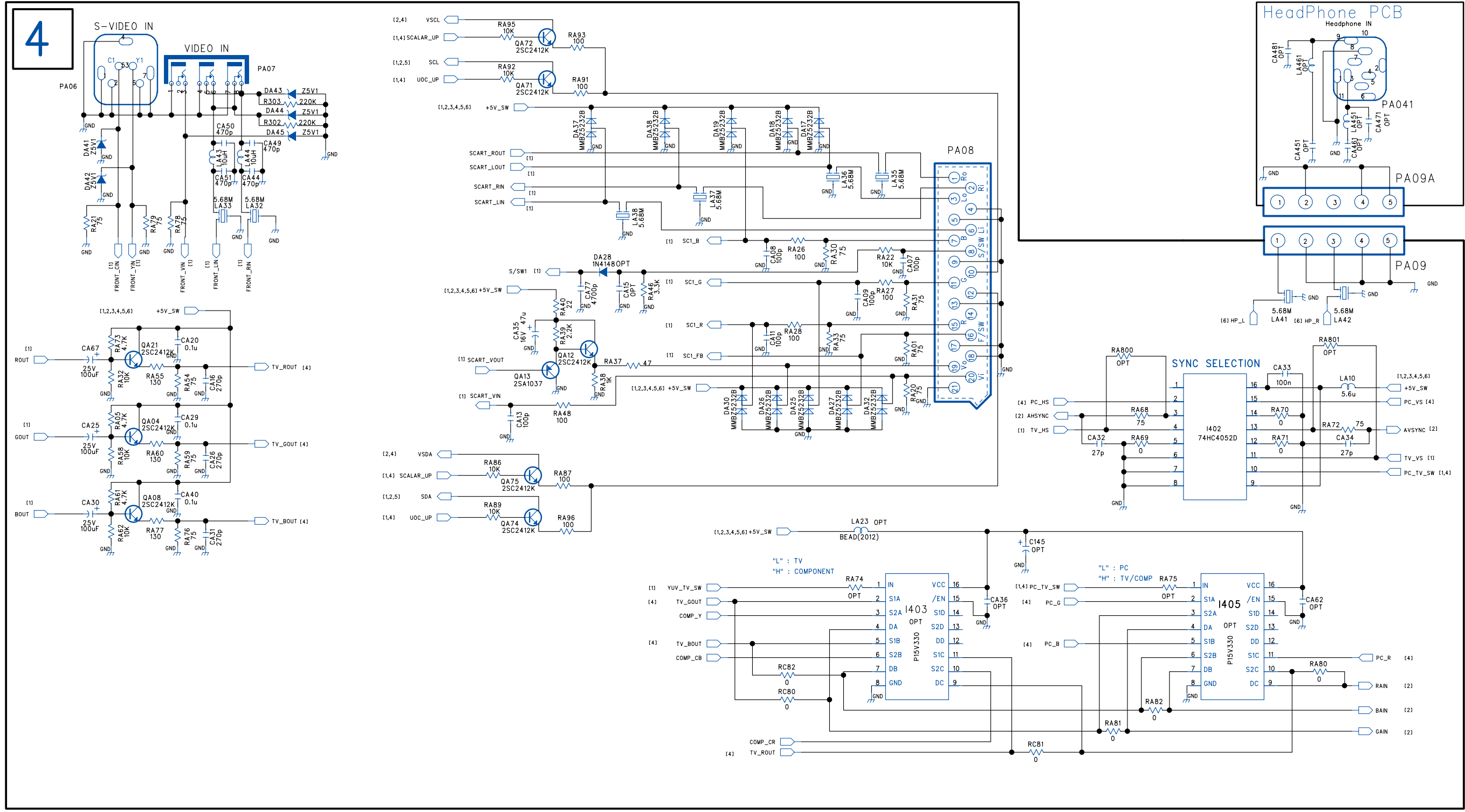
1

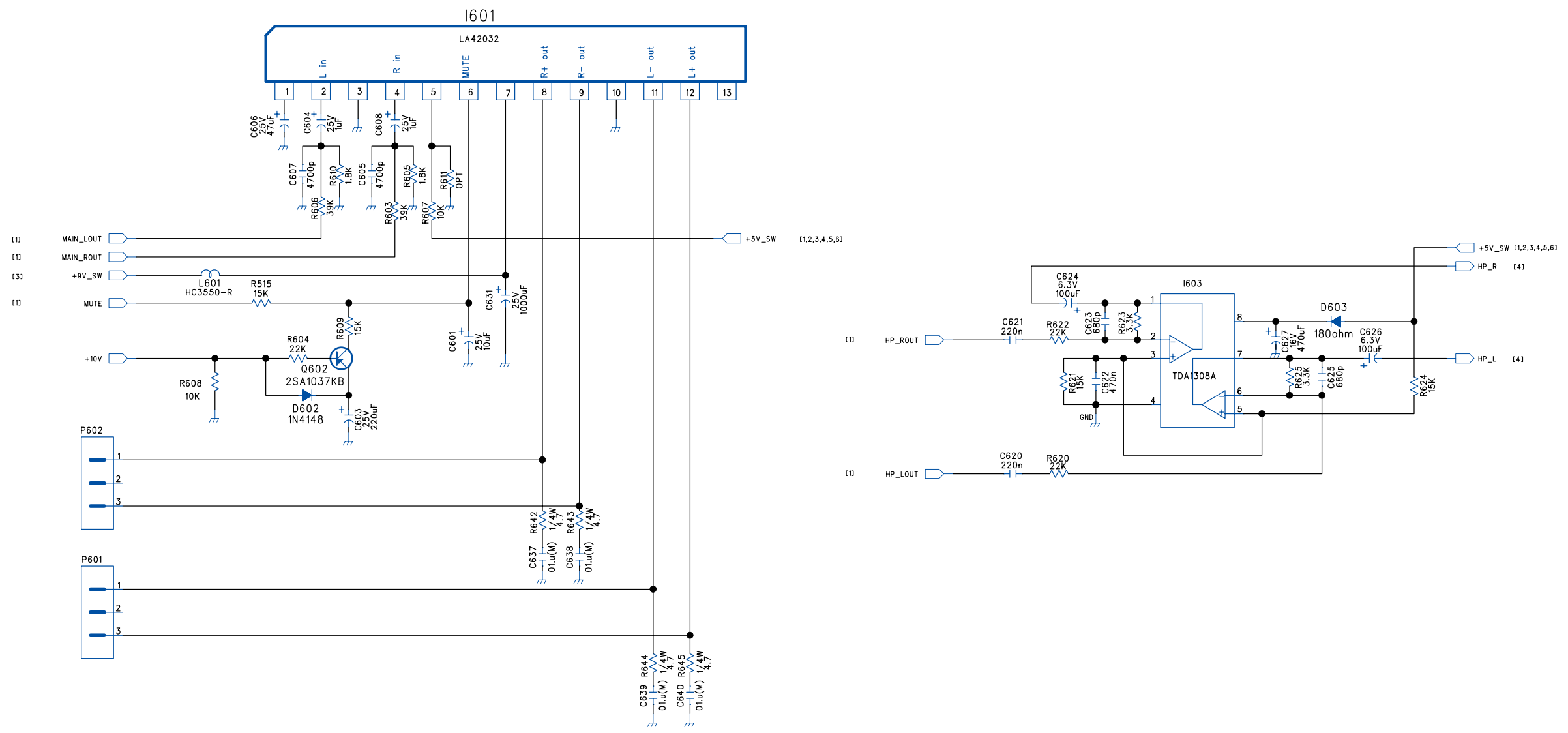


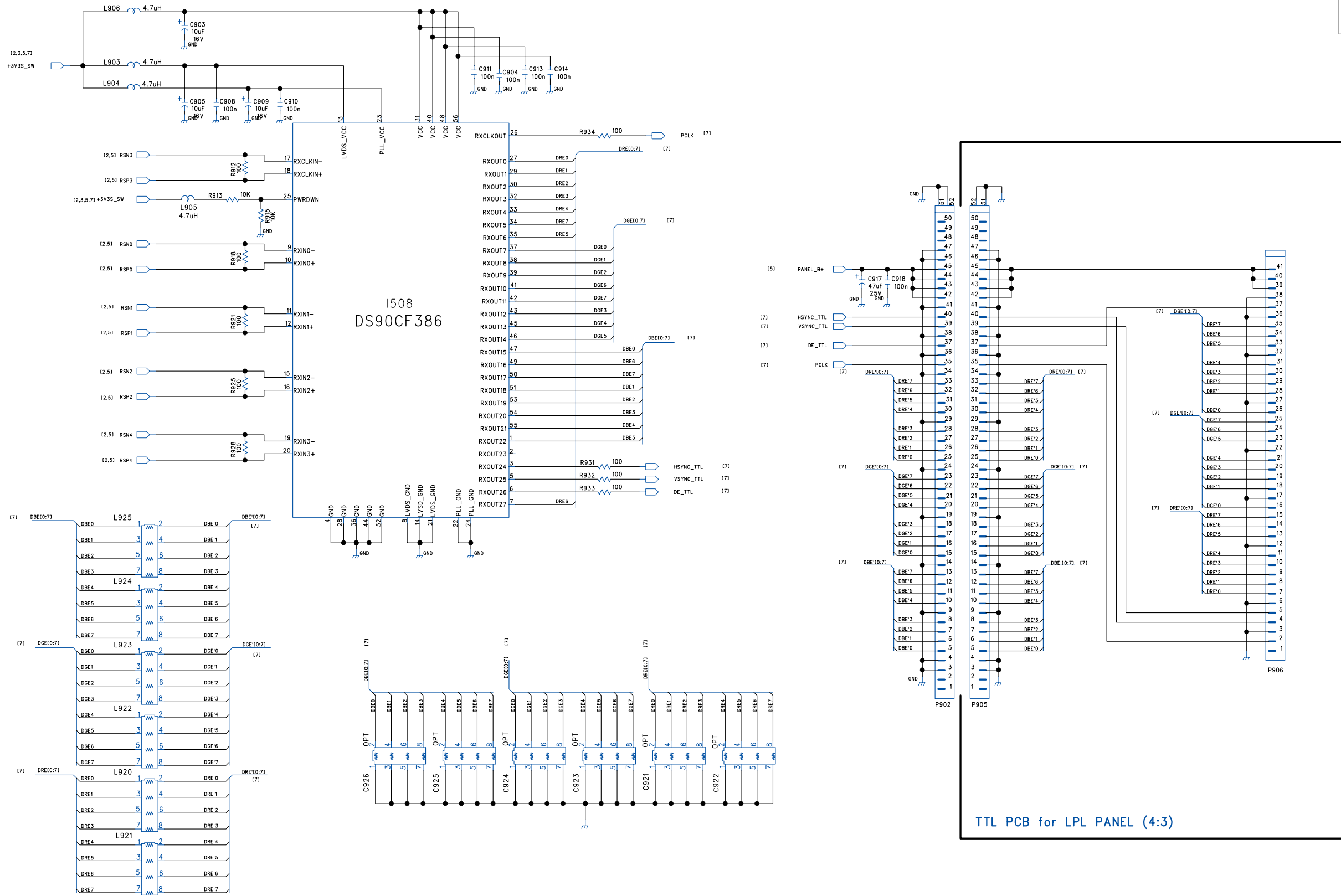
3



4







TTL PCB for LPL PANEL (4:3)


Notes

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11. Parts Location & Replacement Parts List

Important Safety Notice

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





RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.

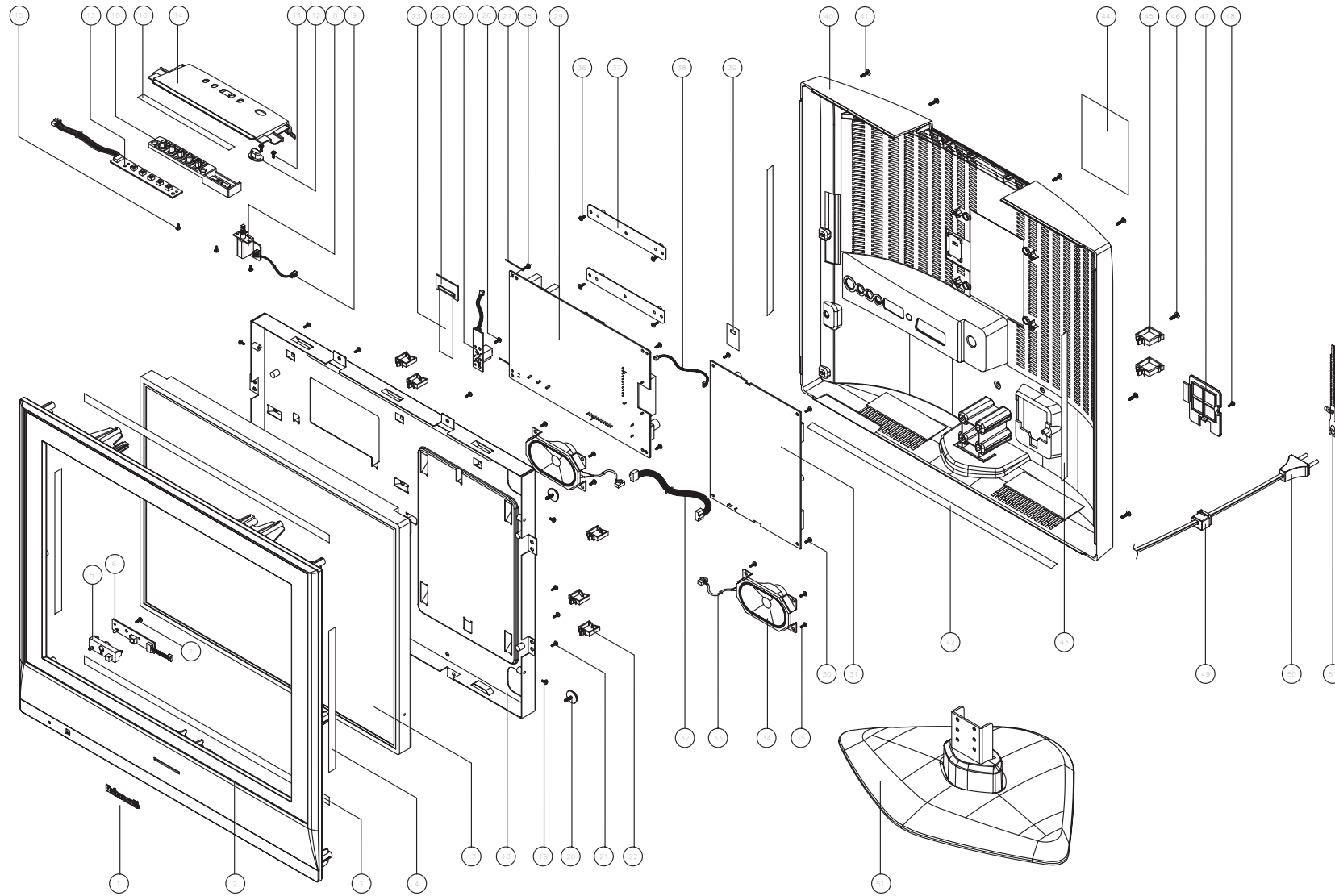
After the end of this period, the assembly will no longer be available.

11.1 Different Parts List

Ref. No	Part No.	Part Name & Description	Q'ty	Remark
DIFFERENCES FOR MODEL TX-20LA60F				
Exploded View				
2	485209451400	MASK FRONT	20J2 FR HIPS BLACK-SILVER	1
43	DMP4543300	S/PLATE	TX-20LA60F	1 see „Note”
66	TQB0E0357	MANUAL	GERMAN,DUTCH,ITALIAN,FRENCH,SPANISH	1
67	TQB0E0358	MANUAL	SWEDISH,PORTUGUESE,DANISH,ENGLISH	1
68	DMP1002600	CIRCUIT DIAGRAM	PANASONIC TX-20LA60F/6F	1
29	PTMSM20LA60F	MAIN ASSY		1 see"Note" 
IC's				
I502	X24C20LA60F	IC EEPROM	32K 8 PIN DIP STIK	1
DIFFERENCES FOR MODEL TX-20LA60P				
Exploded View				
2	485209451400	MASK FRONT	20J2 FR HIPS BLACK-SILVER	1
43	DMP4546100	S/PLATE	TX-20LA60P	1 see „Note”
66	TQB0E0355	MANUAL	RUSSIAN,BULAGLIAN,ROMANIAN,POLISH	1
67	TQB0E0356	MANUAL	HUNGARIAN,CZECH,ENGLISH,UKRAINIAN	1
29	PTMSM20LA60P	MAIN ASSY		1 see"Note" 
IC's				
I502	X24C20LA60P	IC EEPROM	32K 8 PIN DIP STIK	1
DIFFERENCES FOR MODEL TX-20LA6F				
Exploded View				
2	485209451401	MASK FRONT		1
43	DMP4548300	S/PLATE	TX-20LA6F	1 see „Note”
66	TQB0E0357	MANUAL	GERMAN,DUTCH,ITALIAN,FRENCH,SPANISH	1
67	TQB0E0358	MANUAL	SWEDISH,PORTUGUESE,DANISH,ENGLISH	1
68	DMP1002600	CIRCUIT DIAGRAM	PANASONIC TX-20LA60F/6F	1
29	PTMSM20LA60F	MAIN ASSY		1 see"Note" 
IC's				
I502	X24C20LA60F	IC EEPROM	32K 8 PIN DIP STIK	1
DIFFERENCES FOR MODEL TX-20LA6P				
Exploded View				
2	485209451401	MASK FRONT		1
43	DMP4548200	S/PLATE	TX-20LA6P	1 see „Note”
66	TQB0E0355	MANUAL	RUSSIAN,BULAGLIAN,ROMANIAN,POLISH	1
67	TQB0E0356	MANUAL	HUNGARIAN,CZECH,ENGLISH,UKRAINIAN	1
29	PTMSM20LA60P	MAIN ASSY		1 see"Note" 
IC's				
I502	X24C20LA60P	IC EEPROM	32K 8 PIN DIP STIK	1

<Note> to find exact position, refer 11.2 Exploded View

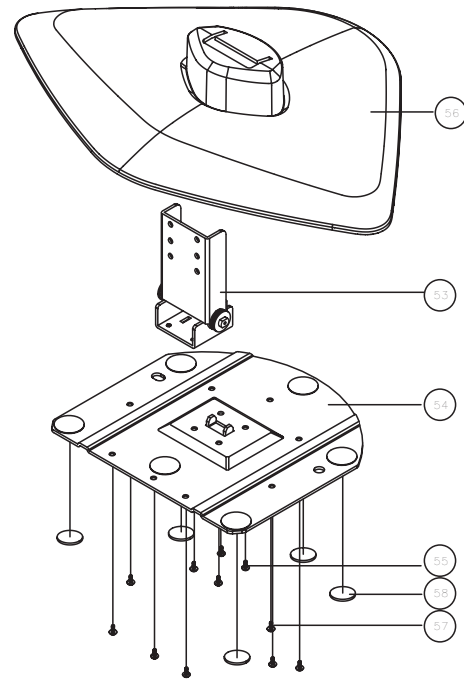
11.2 Exploded View



	Part No.	Part Name & Description	Q'ty	Remark
1	4855625300	MARK BRAND PANA 20W1 TBMA182 (W=50MM)	1	
2		MASK FRONT see ,11.1 Different Parts List'	1	
3	4857818505	CLOTH BLACK CLOTH 420X8XT0.5	2	
4	4857818506	CLOTH BLACK CLOTH 240X8XT0.5	2	
5	4855556700	DECO SENSOR PC MILKY	1	
6	PTLEMSG159	LED ASSY DLP-20J2 LED ASSY	1	RTL ⚠
7	7178301051	SCREW TAPPTITE TT2 WAS 3X10 MFZN 3CR	1	
8	PTPBMMSG142	MAIN SW POWER ASSY 20W1 PB ASSY	1	
9	4850703N47	CONNECTOR YH396-03V+YH396-03V+ULW=500	1	
10	4854964611	BUTTON CTRL HIPS GY	1	
11	7008300651	SCREW MACHINE WAS 3X6 MFZN 3CR	2	
12	4854872311	BUTTON POWER HIPS GY	1	
13	PTCTMSG159	CTRL ASSY DLP-20J2 CT ASSY	1	RTL ⚠
14	4852333614	PANEL CTRL FR HIPS GY(NON-HALOGEN)	1	
15	7178301051	SCREW TAPPTITE TT2 WAS 3X10 MFZN 3CR	3	no.10+no.14
16	4857817300	CLOTH BLACK CLOTH 152X15XT0.5	1	on no.14
17	485LD03205	LCD PANEL LC201V02-SDA3	1	⚠
18	4853829303	FRAME MAIN PCB SECC T0.8 LPL	1	
19	7008301451	SCREW MACHINE M-WAS 3X14 MFZN 3CR	4	no.17+no.18
20	4856017800	SCREW SPKR FIX SWRM+SECC 3CR	4	no.18+no.2
21	7178300851	SCREW TAPPTITE TT2 WAS 3X8 MFZN 3CR	8	no.18+no.2
22	4956800200	CLAMP WIRE WS-A-2-19	5	into no.18
23	4859006560	CABLE FFC 0.50P-50N-110L-T5	1	
24	PTTLMSD119	TTL ASSY DLP-20D6LHS-CF	1	
25	PTEPMSG159	EARPHONE ASSY DLP-20J2 EP ASSY	1	RTL ⚠
26	7178301051	SCREW TAPPTITE TT2 WAS 3X10 MFZN 3CR	1	no.25+no.18
27	4856815900	CLAMP WIRE EGI T0.4+PVC COATING	2	with screw no.28
28	7178301051	SCREW TAPPTITE TT2 WAS 3X10 MFZN 3CR	4	no.29+no.18
29		MAIN ASSY see ,11.1 Different Parts List	1	RTL ⚠
30	7178301051	SCREW TAPPTITE TT2 WAS 3X10 MFZN 3CR	4	no.31+no.18
31	485AS00580	POWER LIPS IPB-6015N01	1	RTL ⚠
32	4850710S32	CONNECTOR YH025-10+YH025-10+ULW=500	1	between no.29 & no.31
33	4850703S77	CONNECTOR YH025-03+YRT110+USW=300	2	
34	4858317710	SPEAKER SP-5090N01C	2	
35	7178301051	SCREW TAPPTITE TT2 WAS 3X10 MFZN 3CR	8	no.34 + no.2
36	7178300851	SCREW TAPPTITE TT2 WAS 3X8 MFZN 3CR	4	no.37+no.40
37	4853297800	BRKT VESA SECC T1.0	2	
38	4850705N39	CONNECTOR YH025-05+YH025-05+ULW=100	1	between no.29 & no.31
39	4853221800	BRKT KENSINGTON SECC T=1.0	1	
40	4852178514	COVER BACK 20J2 FR HIPS GY(HALOGEN-FREE)	1	
41	7172401452	SCREW TAPPTITE TT2 TRS 4X14 MFZN BK 3CR	8	no.2+no.40
42	4857817630	CLOTH BLACK FELT T0.7 L=400	1	on no.40
43	4857818701	CLOTH BLACK FELT T0.7 L=250 W=15	2	on no.40
44		SPEC PLATE see ,11.1 Different Parts List'		
45	4856819110	CLAMP WIRE NYLON 66 BK (WSLT-03-3-01)	2	
46	7172401652	SCREW TAPPTITE TT2 TRS 4X16 MFZN BK 3CR	4	no.52+TV SET
47	4853635314	TERMINAL COVER FR HIPS GY(NON-HALOGEN)	1	
48	7178301052	SCREW TAPPTITE TT2 WAS 3X10 MFZN BK 3CR	1	no.47+no.40
49	4853535600	HOLDER CORD NYROLN 66	1	
50	4859902110	CORD POWER CW4014 W/O FILTER (LOCK)	1	⚠
51	4853535500	HOLDER AC CORD 14A5 NYLON66 UL/CSA	1	to no.40
52	PTSTCAG142	STAND ASSY DLP-20W1LHSBCU	1	

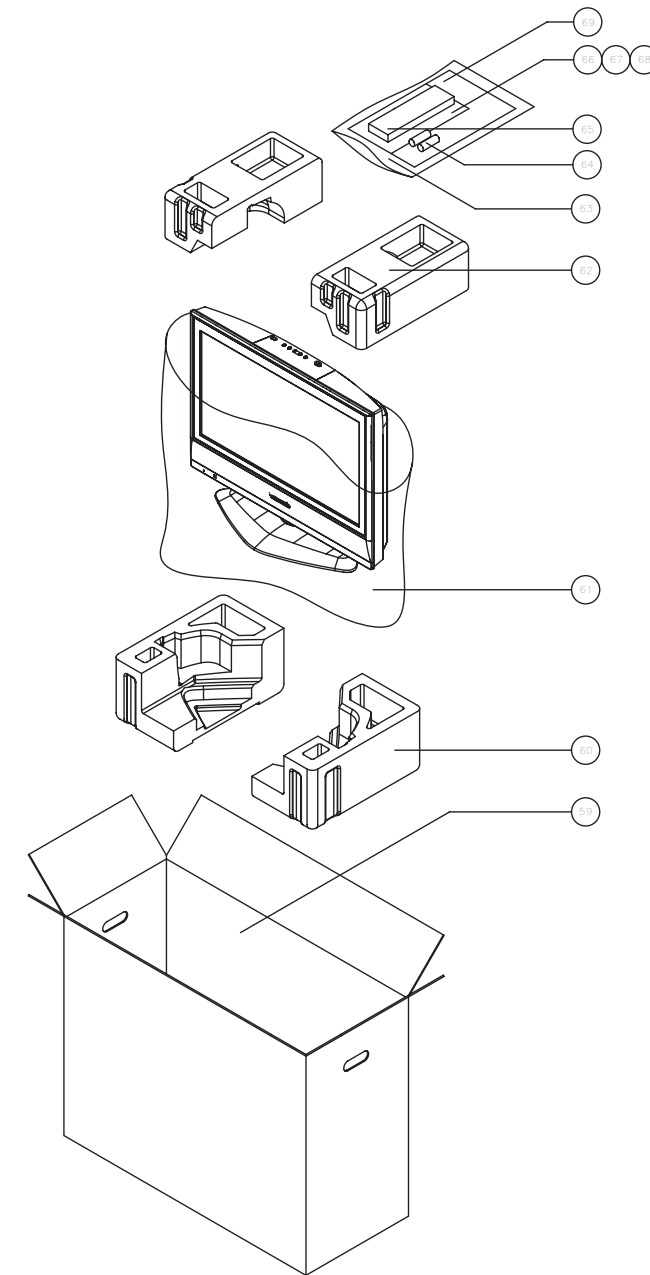
Remark
1. for assemble & disassemble, refer chapter 5,6 & 7

11.3 Stand Assy Exploded View



„Ref. No”	Part No.	Part Name & Description	Q'ty	Remark
53	4851957800	HINGE ASSY 20J1 HINGE ASSY	1	
54	4855218800	PLATE BASE STAND SECC T2.2	1	
55	7005400608	SCREW MACHINE FLT 4X6 SUS	4	
56	4852178411	COVER STAND BASE HIPS GY	1	
57	7115401051	SCREW TAPPING FLT 4X10 MFZN WH 3CR	6	
58	4857942701	RUBBER BK PHI 18X1.3T HRC 70-75	5	

11.4 Packing Exploded View



„Ref. No”	Part No.	Part Name & Description	Q'ty	Remark
59	DMP5022500	BOX PANASONIC TX-20LA6	1	
60	485819D300DN	PAD DOWN EPS 20J2	1	
61	4858220001	BAG P.E. PE FOAM T0.5X800X800	1	
62	485819D300UP	PAD UP EPS 20J2	1	
63	4858213801	BAG INSTRUCTION L. D. P. E. T0. 05X250X400	1	
64	486A716202	BATTERY PANASONIC AA	2	
65	48BEUR7636	TRANSMITTER REMOCON EUR7636080R	1	
66	TQD0E18014	WARRANTY CARD PANASONIC	1	
67		MANUAL see ,11.1 Different Parts List'	1	
68		MANUAL see ,11.1 Different Parts List'	1	
69		CIRCUIT DIAGRAM see ,11.1 Different Parts List'	1	only for -F model

C566	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C567	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	
C568	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C569	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	
C570	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	1	
C571	HCQK470JBA	C CHIP CERA	50V CH 47PF J 1608	1	
C572	HCQK470JBA	C CHIP CERA	50V CH 47PF J 1608	1	
C573	HCQK470JBA	C CHIP CERA	50V CH 47PF J 1608	1	
C574	HCBH224KBA	C CHIP CERA	25V X7R 0.22MF K 1608	1	
C575	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	1	
C576	HCBH224KBA	C CHIP CERA	25V X7R 0.22MF K 1608	1	
C577	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	1	
C578	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C579	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	1	
C581	HCBH224KBA	C CHIP CERA	25V X7R 0.22MF K 1608	1	
C583	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	1	
C589	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C590	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	1	
C591	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C592	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	1	
C593	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	1	
C594	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C595	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C596	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C597	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	1	
C598	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C599	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C601	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	1	
C603	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP	1	
C604	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	1	
C605	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608	1	
C606	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	1	
C607	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608	1	
C608	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	1	
C620	HCBH224KBA	C CHIP CERA	25V X7R 0.22MF K 1608	1	
C621	HCBH224KBA	C CHIP CERA	25V X7R 0.22MF K 1608	1	
C622	HCF474ZBA	C CHIP CERA	16V Y5V 0.47MF Z 1608	1	
C623	HCQK681JBA	C CHIP CERA	50V CH 680PF J 1608	1	
C624	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	1	
C625	HCQK681JBA	C CHIP CERA	50V CH 680PF J 1608	1	
C626	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	1	
C627	CEXE1C471E	C ELECTRO	16V RM 470MF (8X11.5) TP	1	
C631	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	1	
C637	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C638	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C639	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C640	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C701	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C702	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C703	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	
C704	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C802	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	1	
C804	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C805	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C806	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	1	
C807	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C812	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C814	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	
C815	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	1	
C818	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	

C820	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C821	CEXF1C222V	C ELECTRO	16V RSS 2200MF (13X25)TP	1	
C822	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	1	
C824	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C825	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	1	
C826	CEXF1E471V	C ELECTRO	25V RSS 470MF (10X16) TP	1	
C827	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	
C828	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	1	
C829	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C841	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	1	
C842	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	1	
C843	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C844	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP	1	
C846	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	1	
C848	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C849	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C850	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	
C851	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	1	
C852	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	1	
C860	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	1	
C861	CEXE1C471E	C ELECTRO	16V RM 470MF (8X11.5) TP	1	
C862	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C865	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C880	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	1	
C881	CEXE1C471E	C ELECTRO	16V RM 470MF (8X11.5) TP	1	
C882	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	1	
C883	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	1	
C884	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	1	
C885	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C890	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	1	
C891	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C892	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C903	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	
C904	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C905	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	
C908	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C909	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	1	
C910	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C911	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C913	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C914	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
C917	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	1	
C918	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
CA07	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	1	
CA08	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	1	
CA09	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	1	
CA11	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	1	
CA13	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	1	
CA16	HCQK271JBA	C CHIP CERA	50V CH 270PF J 1608	1	
CA20	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
CA25	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	1	
CA26	HCQK271JBA	C CHIP CERA	50V CH 270PF J 1608	1	
CA29	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
CA30	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	1	
CA31	HCQK271JBA	C CHIP CERA	50V CH 270PF J 1608	1	
CA32	HCQK270JBA	C CHIP CERA	50V CH 27PF J 1608	1	
CA33	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	
CA34	HCQK270JBA	C CHIP CERA	50V CH 27PF J 1608	1	
CA35	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11) TP	1	
CA40	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608	1	

CA44	HCBK471KBA	C CHIP CERA	50V X7R 470PF K 1608	1		L209	58C0000116	COIL BEAD	HC-3550R	1	
CA451	HCBK392KBA	C CHIP CERA	50V X7R 3900PF K 1608	1		L210	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
CA461	HCBK392KBA	C CHIP CERA	50V X7R 3900PF K 1608	1		L213	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
CA471	HCBK392KBA	C CHIP CERA	50V X7R 3900PF K 1608	1		L214	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
CA481	HCBK392KBA	C CHIP CERA	50V X7R 3900PF K 1608	1		L505	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
CA49	HCBK471KBA	C CHIP CERA	50V X7R 470PF K 1608	1		L506	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
CA50	HCBK471KBA	C CHIP CERA	50V X7R 470PF K 1608	1		L507	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
CA51	HCBK471KBA	C CHIP CERA	50V X7R 470PF K 1608	1		L508	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
CA67	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP	1		L509	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
CA77	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608	1		L510	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
						L512	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
D101	DBAT85----	DIODE	BAT85 (TAPPING)	1		L513	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
D102	DBA282----	DIODE	BA282	1		L514	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
D602	D1N4148---	DIODE	1N4148 (TAPPING)	1		L515	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
D801	DBAV70---B	DIODE CHIP	BAV70	1		L516	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
D805	DBAV70---B	DIODE CHIP	BAV70	1		L517	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
D850	DM2FM3---C	DIODE CHIP SCHOTTKY	M2FM3 M2F TYPE	1		L518	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
DA17	DZ02W5R6VA	DIODE CHIP ZENER	Z02W5.6V	1		L519	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
DA18	DZ02W5R6VA	DIODE CHIP ZENER	Z02W5.6V	1		L523	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
DA19	DZ02W5R6VA	DIODE CHIP ZENER	Z02W5.6V	1		L531	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
DA25	DZ02W5R6VA	DIODE CHIP ZENER	Z02W5.6V	1		L601	58C0000116	COIL BEAD	HC-3550R	1	
DA26	DZ02W5R6VA	DIODE CHIP ZENER	Z02W5.6V	1		L806	HLC472M01D	L CHIP COIL	4.7MH M SLF7045	1	
DA27	DZ02W5R6VA	DIODE CHIP ZENER	Z02W5.6V	1		L807	58C0000116	COIL BEAD	HC-3550R	1	
DA30	DZ02W5R6VA	DIODE CHIP ZENER	Z02W5.6V	1		L850	HLC150K01E	L CHIP COIL	15UH K 120120	1	
DA32	DZ02W5R6VA	DIODE CHIP ZENER	Z02W5.6V	1		L902	5CPX479K--	COIL PEAKING	4.7UH K RADIAL	1	
DA37	DZ02W5R6VA	DIODE CHIP ZENER	Z02W5.6V	1		L903	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
DA38	DZ02W5R6VA	DIODE CHIP ZENER	Z02W5.6V	1		L904	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
DA41	DTZX5V1B--	DIODE ZENER	TZX5V1B (TAPPING)	1		L905	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
DA42	DTZX5V1B--	DIODE ZENER	TZX5V1B (TAPPING)	1		L906	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1	
DA43	DTZX5V1B--	DIODE ZENER	TZX5V1B (TAPPING)	1		L920	HFRMZA600A	F CHIP BEAD ARRAY	60 OHM MZA 3216Y	1	
DA44	DTZX5V1B--	DIODE ZENER	TZX5V1B (TAPPING)	1		L921	HFRMZA600A	F CHIP BEAD ARRAY	60 OHM MZA 3216Y	1	
DA45	DTZX5V1B--	DIODE ZENER	TZX5V1B (TAPPING)	1		L922	HFRMZA600A	F CHIP BEAD ARRAY	60 OHM MZA 3216Y	1	
LED2	DSPR39MVV-	LED	SPR-39MVV (DUAL)	1		L923	HFRMZA600A	F CHIP BEAD ARRAY	60 OHM MZA 3216Y	1	
						L924	HFRMZA600A	F CHIP BEAD ARRAY	60 OHM MZA 3216Y	1	
I402	1CD74HC52D	IC CHIP LOGIC	CD74HC4052M SOIC 16 REEL	1		L925	HFRMZA600A	F CHIP BEAD ARRAY	60 OHM MZA 3216Y	1	
I501	1TDA155F81	IC MICOM		1		LA10	58C0000116	COIL BEAD	HC-3550R	1	
I503	139VF0207Q	IC CHIP FLASH	SST39VF020-70	1		LA32	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF	1	
I504	1TDA9178TE	IC CHIP	TDA9178T	1		LA33	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF	1	
I508	1DTC34LF86	IC CHIP RECEIVER	DTC34LF86A	1		LA35	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF	1	
I601	1LA42032E-	IC AUDIO AMP	LA42032-E	1		LA36	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF	1	
I601A	4857027725	HEAT SINK	AL EX BK (ANODIZING)	1		LA37	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF	1	
I601B	7004300851	SCREW MACHINE	RND 3X8 MFZN 3CR	1		LA38	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF	1	
I603	1TDA1308TC	IC CHIP	TDA1308T	1		LA41	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF	1	
I801	TFDS4953-C	FET CHIP	FDS4953 SO-8 -30V -5A REEL	1		LA42	5PXF1B471M	FILTER EMI	CFI 06 B 1H 470PF	1	
I803	1A1117E33D	IC CHIP REGULATOR	AP1117E33A 3.3V 2% SOT-223	1		LA43	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)	1	
I807	1BA6161F-C	IC CHIP SW REG	BA6161F 30-35V 100KHZ SOP8 REEL	1		LA44	5CPZ100K02	COIL PEAKING	10UH 3.5MM K (LAL02TB)	1	
I809	1AP117E18C	IC CHIP REGULATOR	AP1117E18A 1.8V SOT-223	1		PA041	97P6316100	JACK HEAD PHONE	DHSE-9959	1	
I811	1A1117EA-D	IC CHIP REGULATOR	AP1117EA ADJ 2% SOT-223	1		PA06	4859105340	JACK S-VHS	DSW-10 (STRAIGHT)	1	
I816	1LM317BD2E	IC CHIP REGULATOR	LM317BD2T ADJ 1.2V 37V 1.5A D2PAK	1		PA07	4859112850	JACK PIN	DPSS-0173 3PIN STR	1	
I820	TFDS4953-C	FET CHIP	FDS4953 SO-8 -30V -5A REEL	1		PA08	4859112950	JACK SCART	DSSM-0378 STR	1	
I851	1APW1172-D	IC CHIP DC-DC CONVERTER	APW1172	1		PA09	4859236220	CONN WAFER	YAW025-05	1	
IC13	1TS0P34838	IC PREAMP	TSOP34838SJ	1							
L101	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1		Q120	T2SC2412KB	TR CHIP	2SC2412KB	1	
L203	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1		Q506	T2SC2412KB	TR CHIP	2SC2412KB	1	
L204	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1		Q508	T2SC2412KB	TR CHIP	2SC2412KB	1	
L205	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1		Q602	T2SA1037KB	TR CHIP	2SA1037KB	1	
L206	5CPX479K--	COIL PEAKING	4.7UH K RADIAL	1		Q701	T2SC2412KB	TR CHIP	2SC2412KB	1	
L207	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1		Q702	T2SC2412KB	TR CHIP	2SC2412KB	1	
L208	5CPZ479K02	COIL PEAKING	4.7UH 3.5MM K (LAL02TB)	1							

Q802	T2SC2412KB	TR CHIP	2SC2412KB	1	
Q803	T2SC2412KB	TR CHIP	2SC2412KB	1	
Q804	T2SC2412KB	TR CHIP	2SC2412KB	1	
Q805	T2SC2412KB	TR CHIP	2SC2412KB	1	
Q813	T2SA1980Y-	TR	2SA1980Y	1	
Q814	T2SC5343Y-	TR	2SC5343Y	1	
Q815	T2SA1980Y-	TR	2SA1980Y	1	
Q816	T2SC5343Y-	TR	2SC5343Y	1	
Q820	T2SC2412KB	TR CHIP	2SC2412KB	1	
Q850	T2SC2412KB	TR CHIP	2SC2412KB	1	
QA04	T2SC2412KB	TR CHIP	2SC2412KB	1	
QA08	T2SC2412KB	TR CHIP	2SC2412KB	1	
QA12	T2SC2412KB	TR CHIP	2SC2412KB	1	
QA13	T2SA1037KB	TR CHIP	2SA1037KB	1	
QA21	T2SC2412KB	TR CHIP	2SC2412KB	1	
QA71	T2SC2412KB	TR CHIP	2SC2412KB	1	
QA72	T2SC2412KB	TR CHIP	2SC2412KB	1	
QA74	T2SC2412KB	TR CHIP	2SC2412KB	1	
QA75	T2SC2412KB	TR CHIP	2SC2412KB	1	
DA28	85801060GY	WIRE COPPER	1/0.6 TIN COATING	0,04	
LA451	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	1	
LA461	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	1	
R100	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R103	HRFT393JBA	R CHIP	1/10 39K OHM J 1608	1	
R104	HRFT683JBA	R CHIP	1/10 68K OHM J 1608	1	
R105	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R106	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R107	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R114	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	1	
R115	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R120	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R131	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R134	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R135	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R140	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R141	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R143	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	1	
R203	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	1	
R204	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	1	
R206	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	1	
R207	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	1	
R208	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	1	
R211	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	1	
R212	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	1	
R247	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R248	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R249	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R250	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R251	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R253	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R254	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R255	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R257	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R258	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R270	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R271	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R290	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R291	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R296	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R297	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	

R298	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R302	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	1	
R303	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	1	
R421	HRFT105JBA	R CHIP	1/10 1M OHM J 1608	1	
R422	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R501	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R502	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R503	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R504	HRFT152JBA	R CHIP	1/10 1.5K OHM J 1608	1	
R505	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R507	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R509	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R510	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R511	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	1	
R514	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R515	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	1	
R516	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	1	
R517	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R518	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R519	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
R521	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R522	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R529	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R530	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R532	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	1	
R534	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R537	HRFT183JBA	R CHIP	1/10 18K OHM J 1608	1	
R538	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	1	
R540	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	1	
R541	HRFT393JBA	R CHIP	1/10 39K OHM J 1608	1	
R542	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608	1	
R543	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	1	
R544	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	1	
R545	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	1	
R546	HRFT681JBA	R CHIP	1/10 680 OHM J 1608	1	
R547	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	1	
R548	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R549	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R550	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R551	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R552	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R553	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R554	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R555	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R556	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R557	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R558	HRFT152JBA	R CHIP	1/10 1.5K OHM J 1608	1	
R559	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R560	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	1	
R561	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R562	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R563	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R564	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R565	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R566	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R567	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R568	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R569	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R570	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R571	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R572	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	

R573	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R574	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R575	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R576	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R577	HRFT273JBA	R CHIP	1/10 27K OHM J 1608	1	
R578	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R579	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R580	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R581	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R582	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R583	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R584	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R585	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R586	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R587	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R588	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R589	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R590	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R592	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	1	
R599	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R602	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J	1	
R603	HRFT393JBA	R CHIP	1/10 39K OHM J 1608	1	
R604	HRFT223JBA	R CHIP	1/10 22K OHM J 1608	1	
R605	HRFT182JBA	R CHIP	1/10 1.8K OHM J 1608	1	
R606	HRFT393JBA	R CHIP	1/10 39K OHM J 1608	1	
R607	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R608	HRFT333JBA	R CHIP	1/10 33K OHM J 1608	1	
R609	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	1	
R610	HRFT182JBA	R CHIP	1/10 1.8K OHM J 1608	1	
R620	HRFT512JBA	R CHIP	1/10 5.1K OHM J 1608	1	
R621	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	1	
R622	HRFT512JBA	R CHIP	1/10 5.1K OHM J 1608	1	
R623	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R624	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	1	
R625	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R642	HRFT479JBA	R CHIP	1/10 4.7 OHM J 1608	1	
R643	HRFT479JBA	R CHIP	1/10 4.7 OHM J 1608	1	
R644	HRFT479JBA	R CHIP	1/10 4.7 OHM J 1608	1	
R645	HRFT479JBA	R CHIP	1/10 4.7 OHM J 1608	1	
R704	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	1	
R705	HRFT223JBA	R CHIP	1/10 22K OHM J 1608	1	
R706	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	1	
R708	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	1	
R709	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	1	
R710	HRFT202JBA	R CHIP	1/10 2K OHM J 1608	1	
R712	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	1	
R715	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R720	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	1	
R721	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	1	
R722	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	1	
R723	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J	1	
R724	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J	1	
R752	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
R784	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R785	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R786	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R787	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R788	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R801	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	1	
R803	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R804	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	1	

R805	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R807	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R808	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R809	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R810	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R811	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	1	
R812	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	1	
R813	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J	1	
R814	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R815	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
R820	HRFT431JBA	R CHIP	1/10 430 OHM J 1608	1	
R821	HRFT242JBA	R CHIP	1/10 2.4K OHM J 1608	1	
R830	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R831	HRFT393JBA	R CHIP	1/10 39K OHM J 1608	1	
R843	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R844	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	1	
R845	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	1	
R846	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R851	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R852	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	1	
R853	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R860	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
R861	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	1	
R863	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R880	HRFT362JBA	R CHIP	1/10 3.6K OHM J 1608	1	
R881	HRFT202JBA	R CHIP	1/10 2K OHM J 1608	1	
R885	HRFT512JBA	R CHIP	1/10 5.1K OHM J 1608	1	
R886	HRFT272JBA	R CHIP	1/10 2.7K OHM J 1608	1	
R889	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	1	
R890	HRFT241JBA	R CHIP	1/10 240 OHM J 1608	1	
R912	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R913	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R915	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
R918	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R921	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R925	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R928	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R931	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R932	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R933	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
R934	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
RA01	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA05	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
RA20	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA21	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA22	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
RA26	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
RA27	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
RA28	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
RA30	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA31	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA32	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
RA33	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA37	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	1	
RA38	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	1	
RA39	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	1	
RA40	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	1	
RA46	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	1	
RA48	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
RA54	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA55	HRFT131JBA	R CHIP	1/10 130 OHM J 1608	1	

RA58	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
RA59	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA60	HRFT131JBA	R CHIP	1/10 130 OHM J 1608	1	
RA61	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
RA62	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
RA68	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA69	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
RA70	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
RA71	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
RA72	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA73	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	1	
RA76	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA77	HRFT131JBA	R CHIP	1/10 130 OHM J 1608	1	
RA78	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA79	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	1	
RA80	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
RA81	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
RA82	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
RA86	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
RA87	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
RA89	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
RA91	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
RA92	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
RA93	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
RA95	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	1	
RA96	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	1	
RC80	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
RC81	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
RC82	HRFT000-BA	R CHIP	1/10 0 OHM 1608	1	
SW01	5S40101006	SW POWER PUSH	KDC-A04-10(B)-A1-F	1	⚠
SW701	5S50101Z90	SW TACT	SKHV10910A	1	
SW702	5S50101Z90	SW TACT	SKHV10910A	1	
SW703	5S50101Z90	SW TACT	SKHV10910A	1	
SW704	5S50101Z90	SW TACT	SKHV10910A	1	
SW705	5S50101Z90	SW TACT	SKHV10910A	1	
TU2	4850A23840	ANT SHIELD BOX	PAXBF01DA (PAL)	1	
U100	4859728430	TUNER VARACTOR	UV1316/AIH-4	1	
X201	5XJ24R576E	CRYSTAL QUARTZ	HC-49/S 24.576MHZ 30PPM	1	
X501	5XJ24R576E	CRYSTAL QUARTZ	HC-49/S 24.576MHZ 30PPM	1	
Z101	5PK3953M--	FILTER SAW	K3953M	1	
Z102	5PK9650M--	FILTER SAW	K9650M	1	
CN2	4959290120	CONN WAFER	YW396-03AV	1	
P103	4859295520	CONN WAFER	4602-02MV2-60-1 PLUG 2P ST	1	
P103A	4859295620	CONN WAFER	4602-2FV2-1 JUMPER 2P 2.54	1	
P201	4859232020	CONN WAFER	YW025-07	1	
P501	4859236220	CONN WAFER	YAW025-05	1	
P502	4859231820	CONN WAFER	YW025-05	1	
P504	4859236120	CONN WAFER	YAW025-04	1	
P601	4859236020	CONN WAFER	YAW025-03	1	
P602	4859236020	CONN WAFER	YAW025-03	1	
P701	4859231720	CONN WAFER	YW025-04	1	
P803	4859236720	CONN WAFER	YAW025-10	1	
P902	4859297320	CONN WAFER	05002HR-50A01(G)	1	
P905	4859297320	CONN WAFER	05002HR-50A01(G)	1	
P906	4859200970	CONN WAFER SMD	DF9B-41S-1V SMD	1	