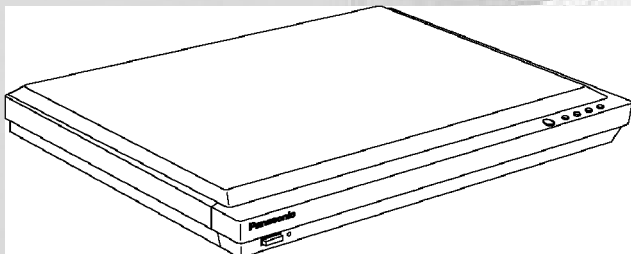


Service Manual

Receiver



TU-PT600E

EURO-7TU Chassis

Specifications

Power Source

220V-240V 50Hz/60Hz A.C.

Power Consumption

Average: 24W

Stand-by: 3W

Power-OFF: 0W

Receiving Systems/ Band name

PAL B, G, H, SECAM B, G SECAM L/L'

VHF E2-E12 VHF H1-H2 (ITALY)
 VHF A-H (ITALY) UHF E21-E69
 CATV (S01-S05) CATV S1-S10 (M1-M10)
 CATV S11-S20
 (U1-U10)
 CATV S21-S41
 (Hyperband)

PAL D, K, SECAM D, K

VHF R1-R2 VHF R3-R5
 VHF R6-R12 UHF E21-E69

PAL 525/60

Playback of NTSC tape from some PAL video recorders (VCR)

M. NTSC

Playback from M. NTSC Video recorders (VCR)

NTSC

Playback from NTSC Video recorders (VCR)
 (AV INPUT ONLY)

OUTPUT

DISPLAY OUT: D-SUB 26-pin
 AUDIO OUT: AUDIO L-R (Pin
 Jack Type×2): 0.5Vrms

INPUT

AV3-Front:	VIDEO (Pin Jack Type): 1.0Vp-p (75Ω) S-VIDEO Y: 1.0Vp-p (75Ω) (MINI DIN 4-pin): C: 0.286Vp-p (75Ω)
AV4C-Rear:	AUDIO L-R (Pin Jack Type×2): 0.5Vrms Y: 1.0Vp-p (including synchronization) P _B /P _R : ±0.35Vp-p AUDIO L-R (Pin Jack Type×2): 0.5Vrms

INPUT/OUTPUT

AV1-Rear:	21 Pin socket (Audio/Video in, TV out, RGB in)
AV2-Rear:	21 Pin socket (Audio/Video in, Audio/Video out, S-Video in, Q-Link)
AV4-Rear:	21 Pin socket (Audio/Video in, TV out, S-Video, RGB in)

ANT-Rear

UHF/VHF

Operating Conditions

Temperature: 34°F-104°F(0°C-40°C)
 Humidity: 20%-80% RH (non-condensing)

Dimensions (W x H x D)

430mm x 52mm x 307mm

Mass (Weight)

3.5kg

Note:

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

Panasonic®

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⚠ 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 (TOUCH 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.: $U_1 = 1.0 \text{ V}$,

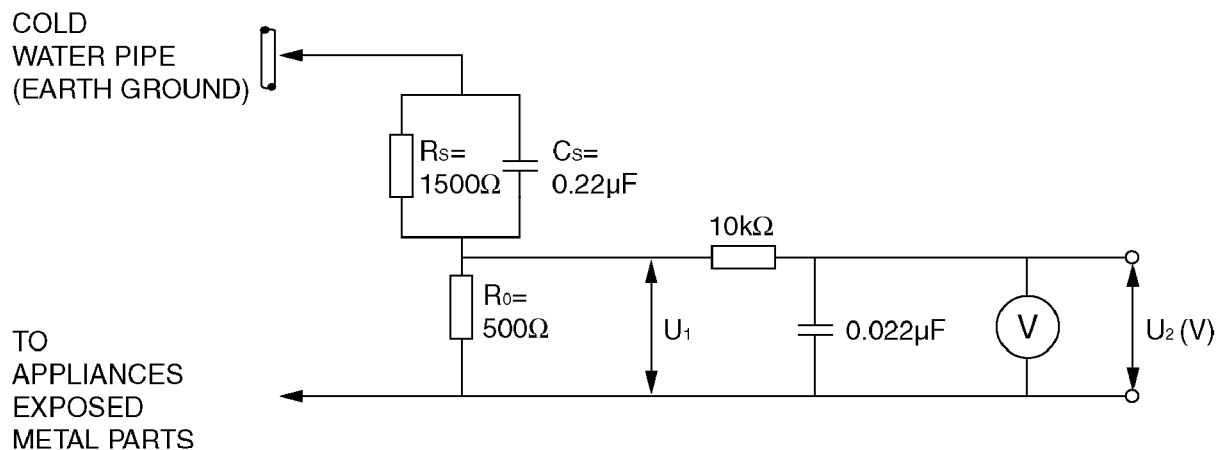
Note:

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 (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.

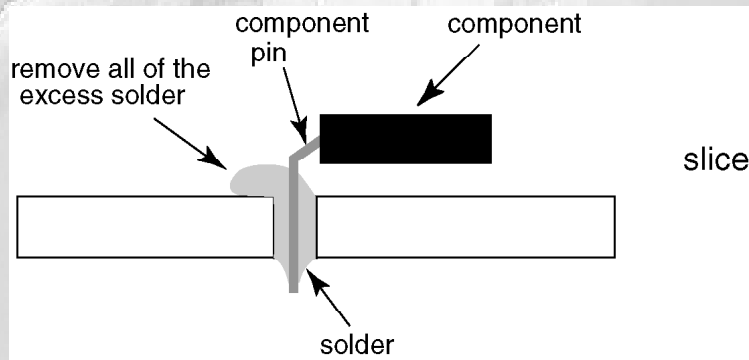
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol  stamped on the back of PCB.

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).

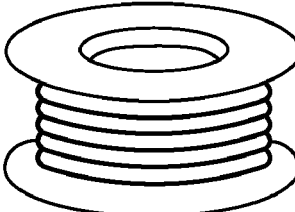
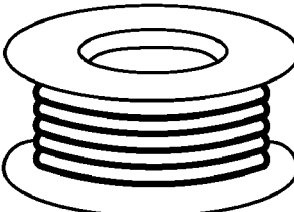
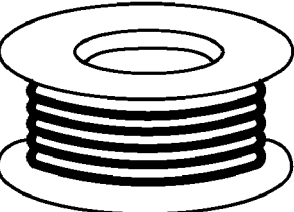
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.

- 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)



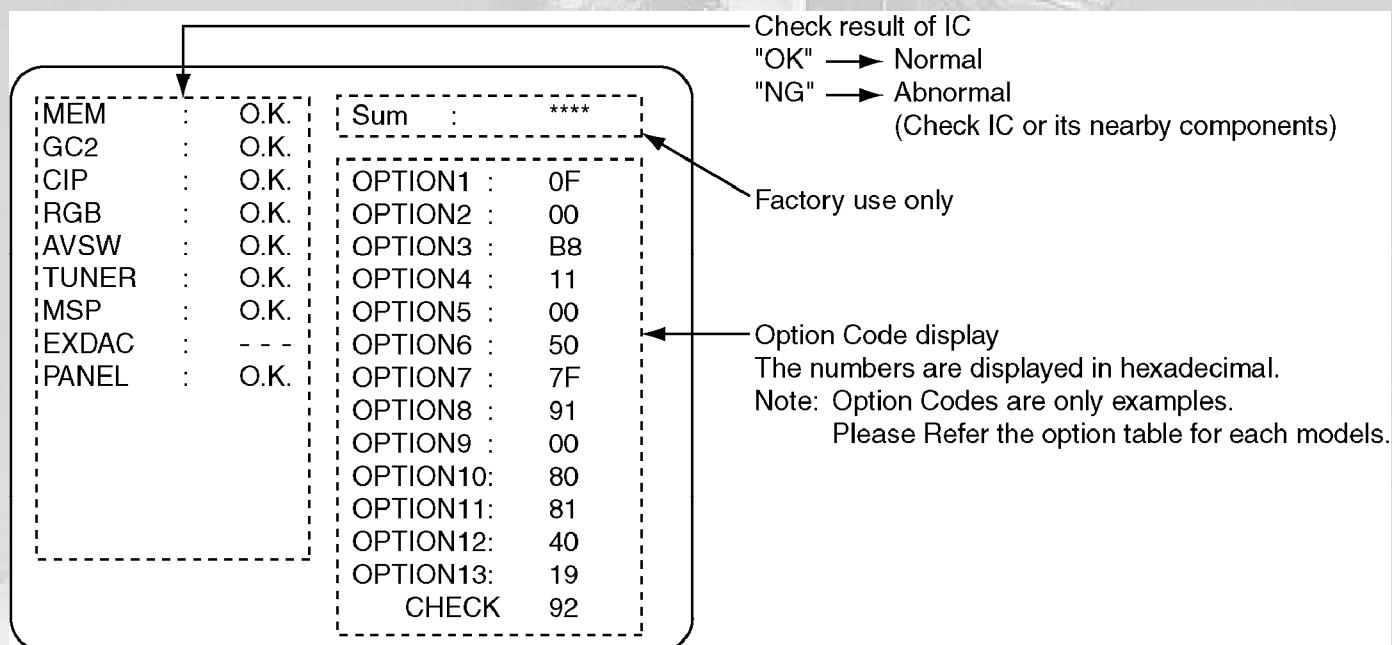
Suggested Pb free solder

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
		

4 Self Check

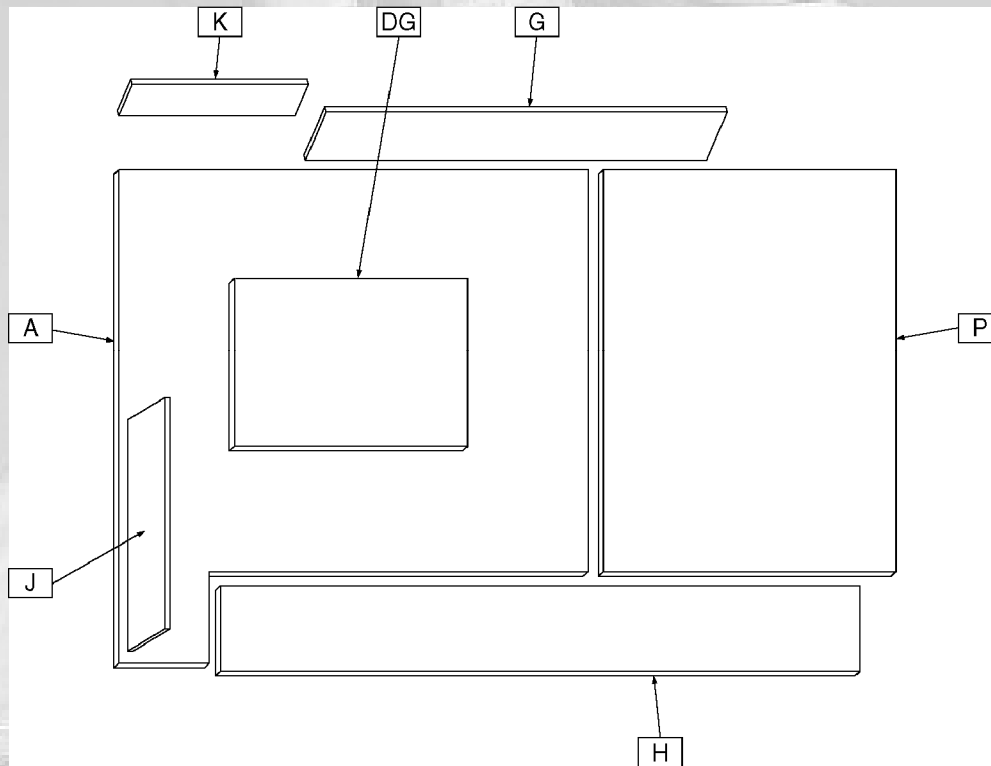
1. Self-Check is used to automatically check the bus lines and hexadecimal code of the TV set.
2. To get into the Self -Check mode press the Down (–/√) button on the customer controls at the front of the set, at the same time pressing the Status  button on the remote control, and the screen will show :



If the CCU ports have been checked and found to be incorrect or not located then "—" will appear in place of "O.K.".

Display	Ref. No.	Description	P.C.B.
MEM	IC1102	EEPROM	A-Board
GC2	IC1304	Global core	DG-Board
CIP	IC1307	CIP	DG-Board
RGB	IC3402	RGB Processor	A-Board
AVSW	IC3002	AV switch	J-Board
TUNER	TNR001	Tuner	A-Board
MSP	IC2001	Multi Sound Processor	A-Board
EXDAC	---	EX DAC	---
PANEL	---	Plasma Display	---

5 Chasis Board Layout



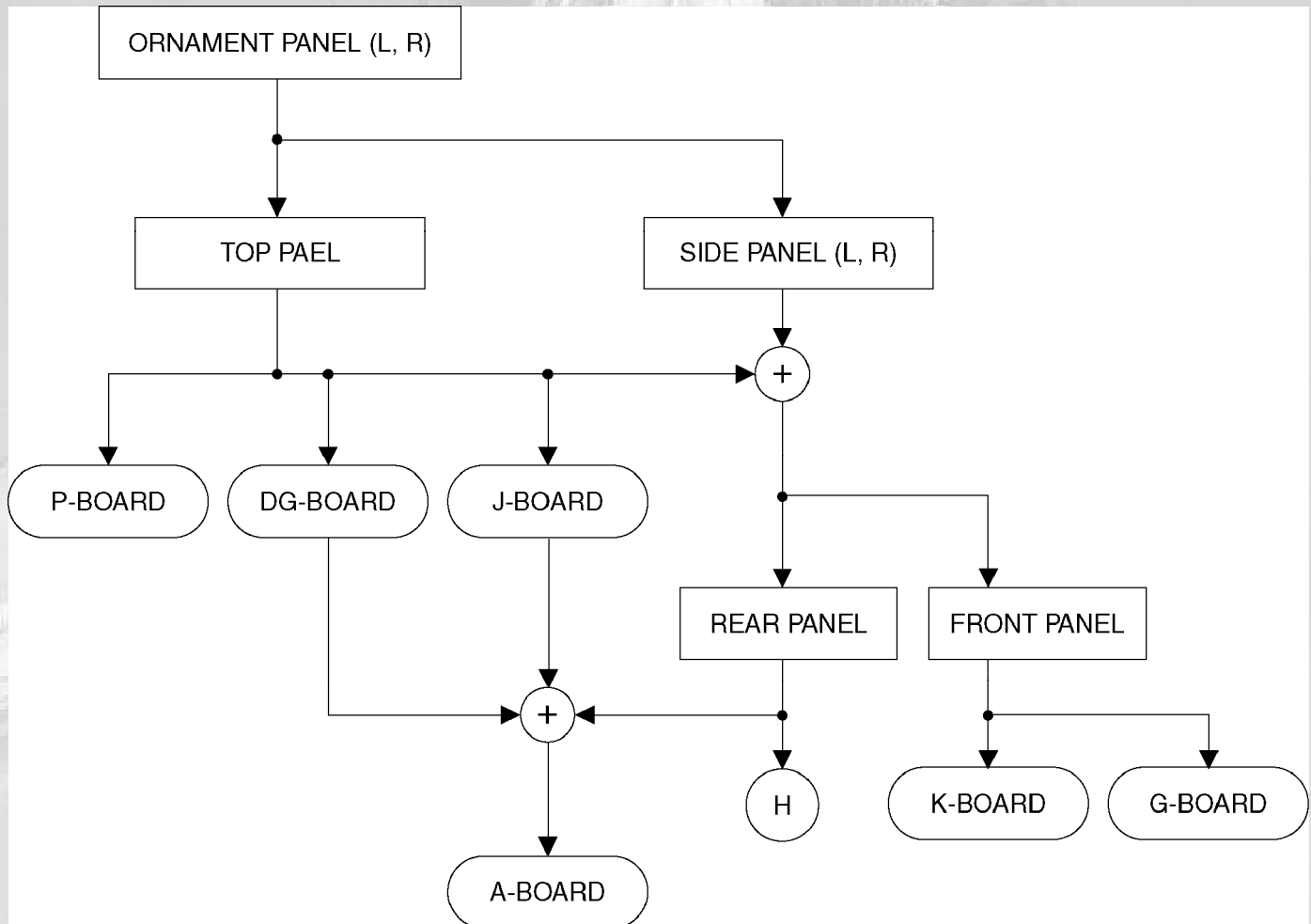
Board Name	Function
A-Board	Main (AV SW, MSP, RGB, MEM, MCU)
DG-Board	Digital Processor (Global core, CIP)
G-Board	Front AV Terminal
H-Board	Rear AV Terminal
J-Board	Tuner
K-Board	Switch
P-Board	Power

6 Disassembly for Service

Note:

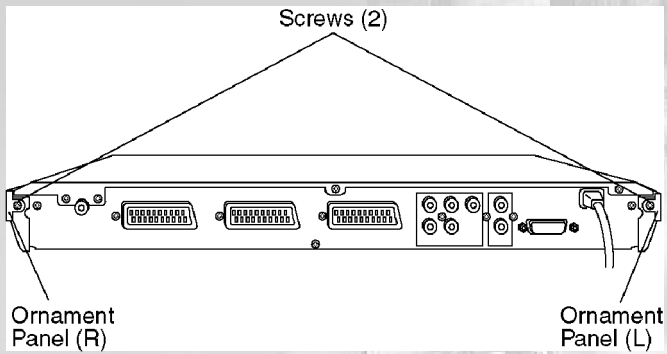
This flowchart indicates disassembly items of the cabinet parts and circuit boards in order to find the items necessary for servicing, when reassembling, perform the procedures in the reverse order.

6.1. Disassembly flowchart

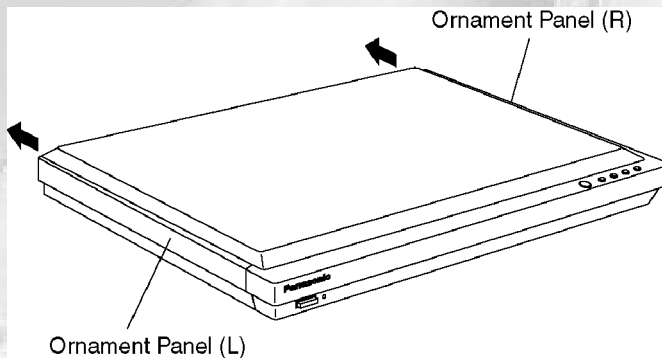


6.2. Ornament Panel (L, R)

1. Remove (2) screws.

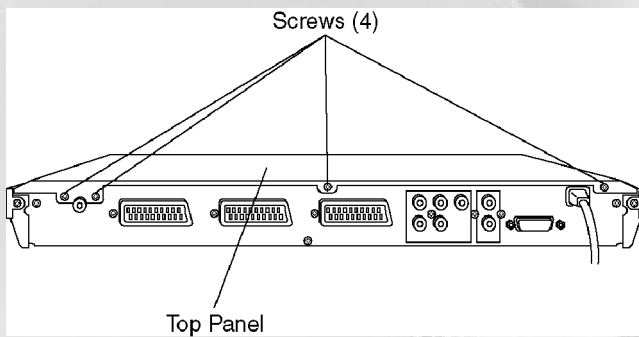


2. Remove the Ornament Panel toward the direction of an arrow.

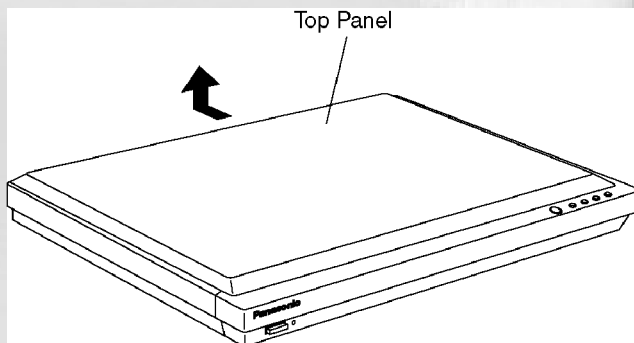


6.3. Top Panel

1. Remove (4) screws.

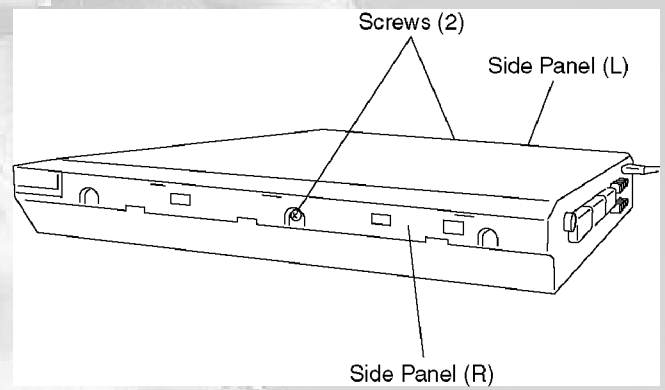


2. Remove the Top Panel toward the direction of an arrow.

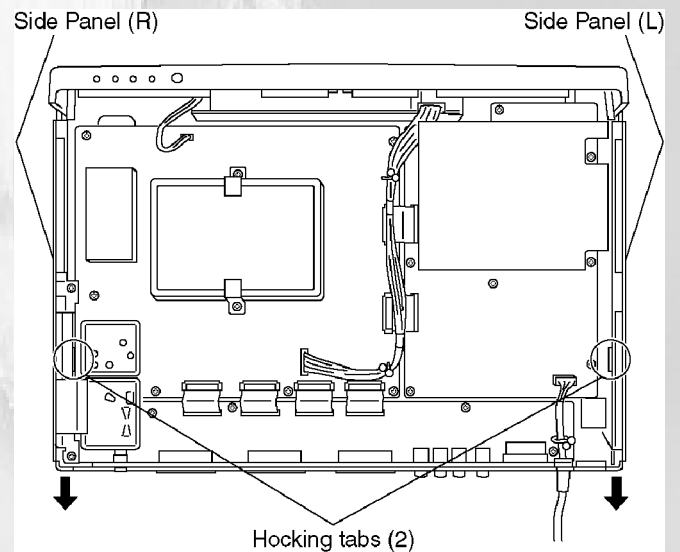


6.4. Side Panel (L, R)

1. Remove (2) screws.

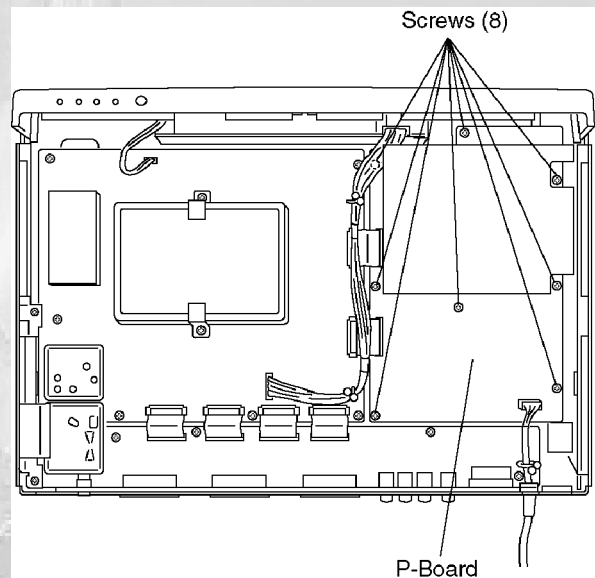


2. Remove the Side Panel while releasing the hooking tab.



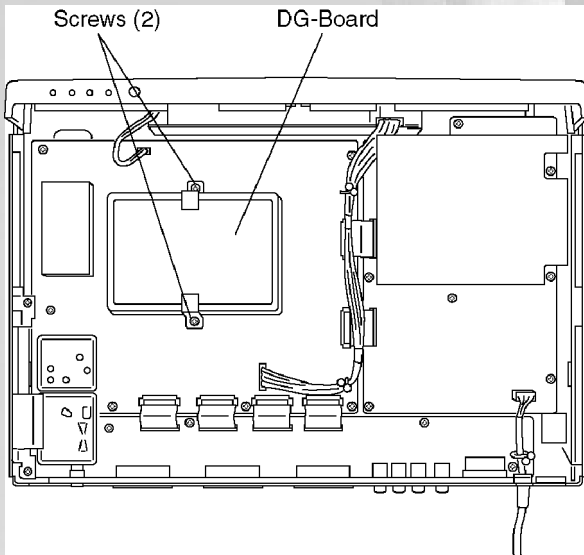
6.5. P-Board

1. Remove (8) screws.



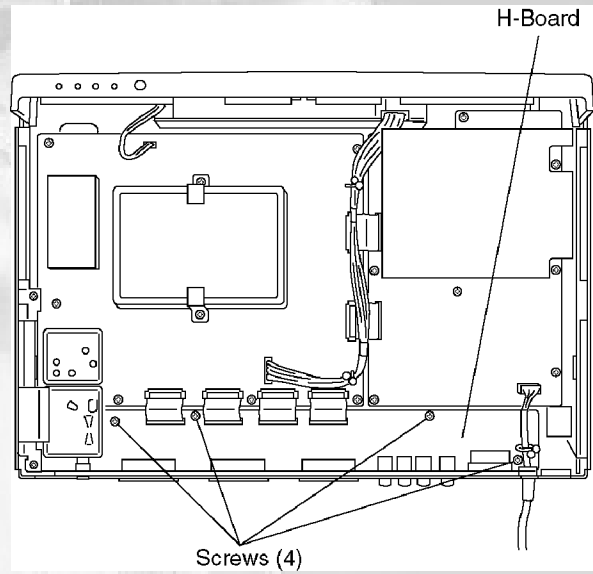
6.6. DG-Board

1. Remove (2) screws.



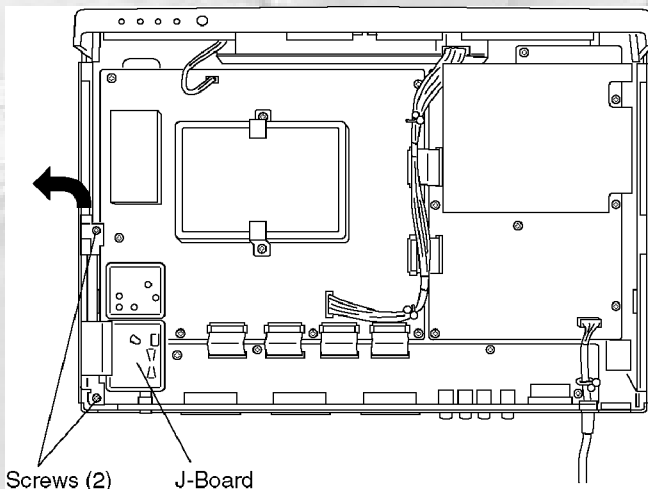
6.9. H-Board

1. Remove (4) screws.



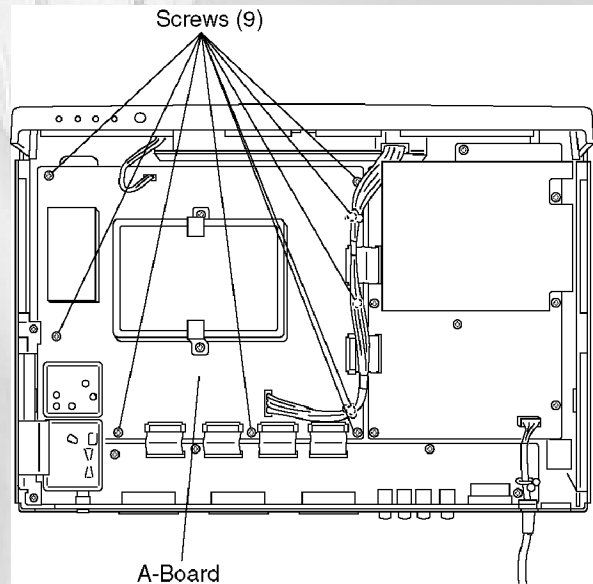
6.7. J-Board

1. Remove (2) screws.
2. Remove the J-Board toward the direction of an arrow.



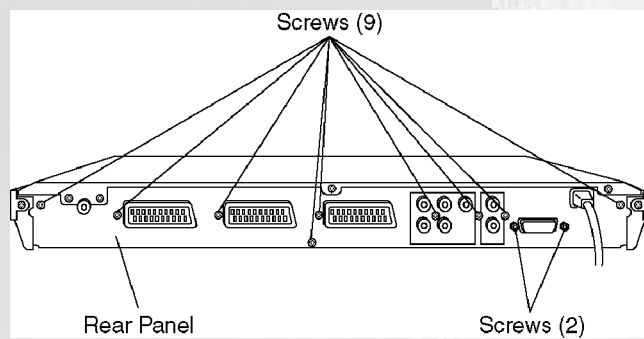
6.10. A-Board

1. Remove (9) screws.



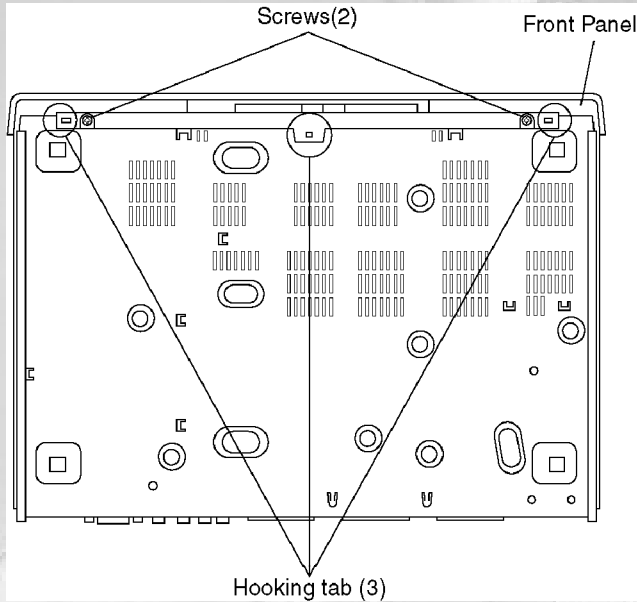
6.8. Rear Panel

1. Remove (9) screws.
2. Remove (2) screws.

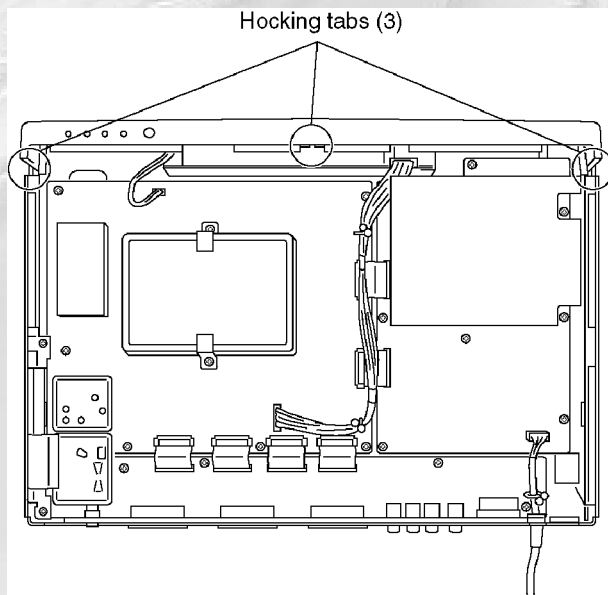


6.11. Front Panel

1. Remove (2) screws.
2. Remove (3) hocking tab.

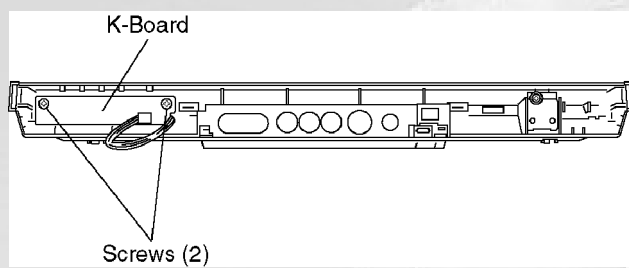


3. Remove (3) hocking tab.



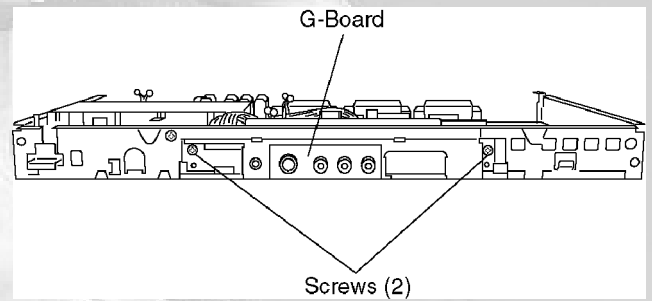
6.12. K-Board

1. Remove (2) screws.



6.13. G-Board

1. Remove (2) screws.



7 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.

7.1. How to enter SERVICE 1

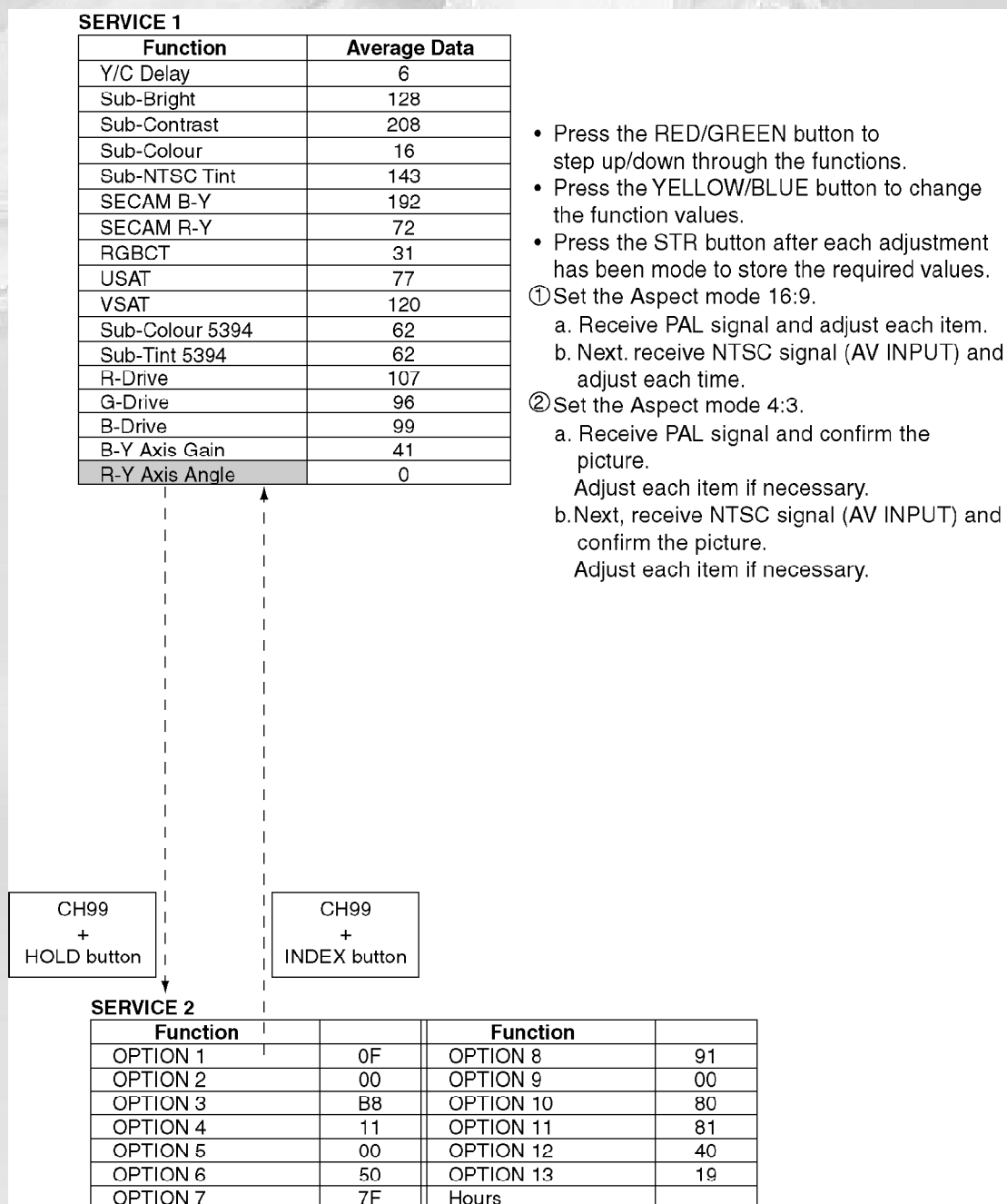
1. In sound menu, set BASS to MAX, and set TREBLE to MINIMUM.
2. Simultaneously press INDEX button on remote control and VOLUME DOWN button [-] on the TV set.
3. Set the channel to CH99

7.2. How to enter SERVICE 2

1. Set the channel to CH99.
2. Access R-Y Axis Angle in service 1 mode.
3. Press HOLD button on remote control.

Note:

To exit to Service mode, press N or Power button on remote control.



8 Adjustment Procedure

8.1. Sub Contrast

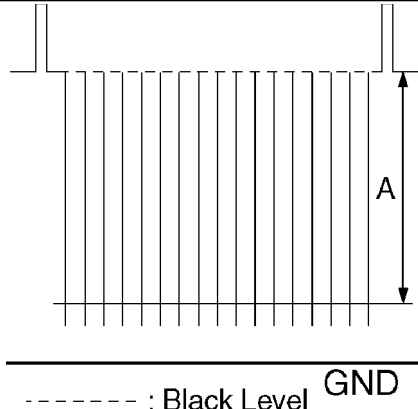
Preparation

Colour Balance: Normal

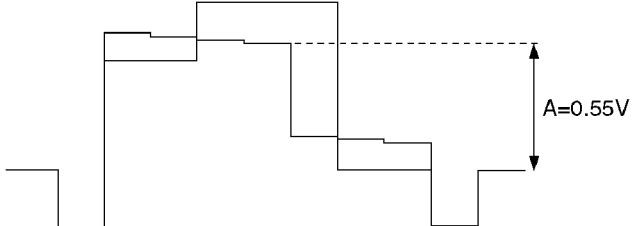
Picture Menu: Normal AI=OFF

Signal Generator:

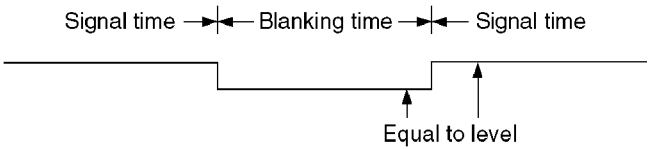
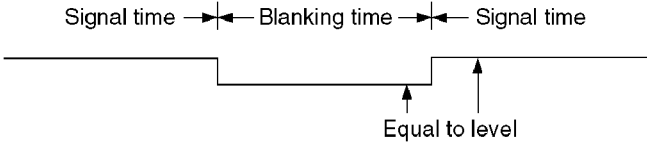
- Crosshatch Pattern
- Cross Dot
- Sub Contrast Adjustment

Adjustment Procedure	Waveform
1. Connect Oscilloscope: TPHA46 (G out) 2. Into Service 1 G-Drive 3. Recieve Crosshatch Pattern 4. Adjust G-Drive: $A=0.7V \pm 0.02V$ 5. Connect Oscilloscope: TPHA47 (R out) 6. Adjust R-Drive: $A=0.7V \pm 0.02V$ 7. Connect Oscilloscope: TPHA45 (B out) 8. Adjust B-Drive: $A=0.7 \pm 0.02V$	 ----- : Black Level GND

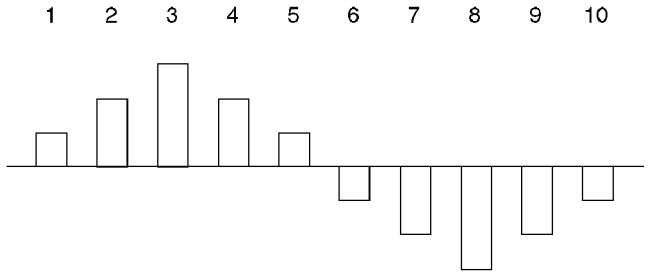
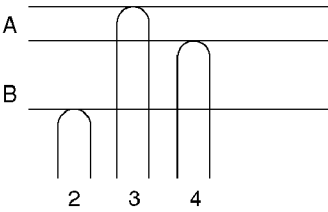
8.2. Sub Colour

Item/Preparation	Adjustment Procedure
1. Receive PAL colour bar pattern. 2. Connect osilloscope to TPHA46 (G).	1. Adjust Sub Colour : $A=0.55V$  Fig. 2.

8.3. SECAM BLACK LEVEL

Item/Preparation	Adjustment Procedure
1. Receive SECAM white pattern. 2. Connect oscilloscope to TPHA45 (B).	1. Adjust SECAM B-Y so that H-blanking time and colour center are equal level.  Fig. 3. 2. Connect oscilloscope to TPHA47 (R). 3. Adjust SECAM R-Y OUT so that H-blanking time and colour center are equal level.  Fig. 4.

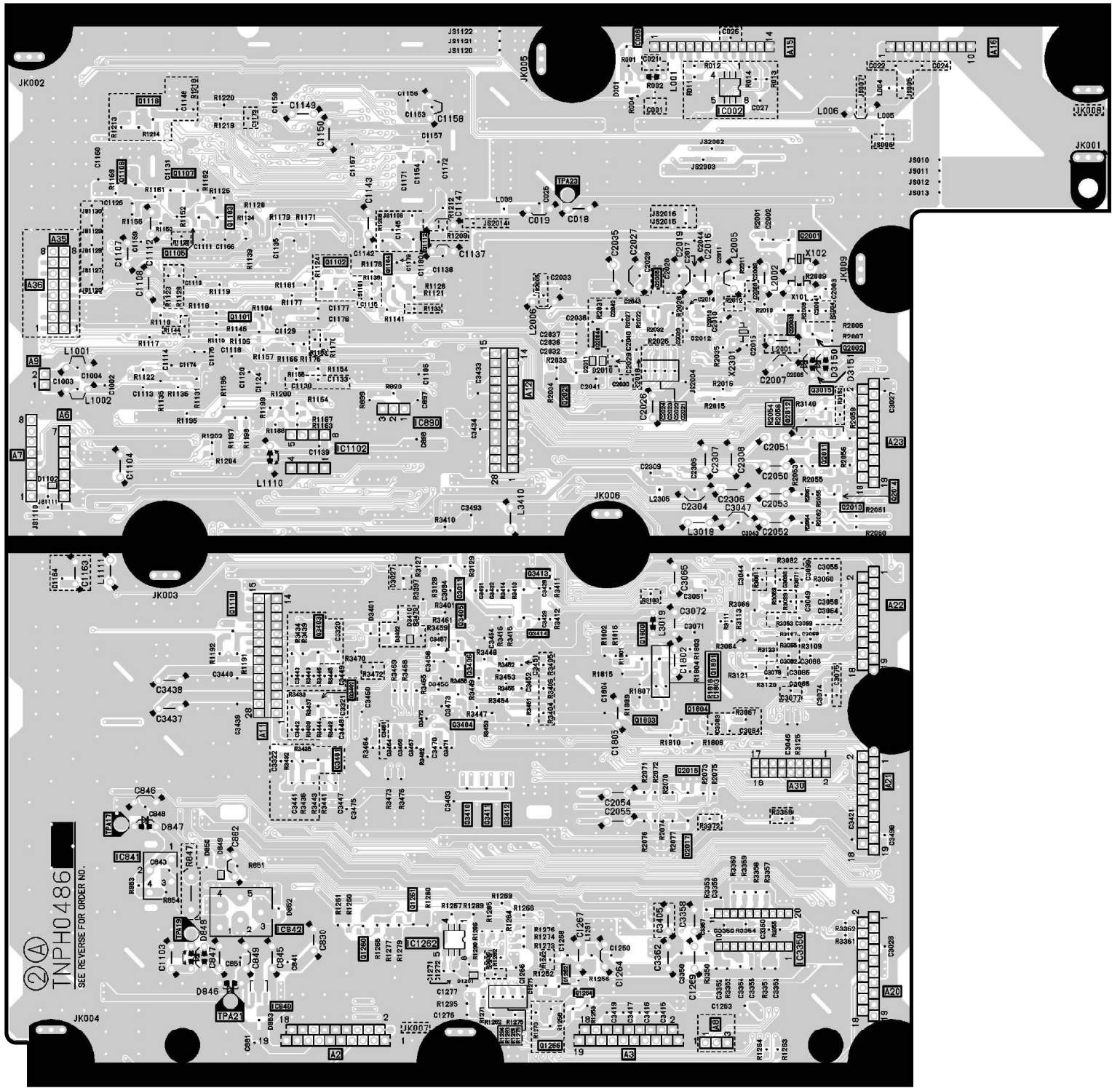
8.4. Sub Tint

Item/Preparation	Adjustment Procedure
1. Receive 3.58MHz NTSC rainbow parttern. 2. Connect oscilloscope to TPHA47 (R).	1. Adjust Sub NTSC Tint so that the peak of level of waveform is similar to Fig. 5.   A:B=2:3 Fig. 5.

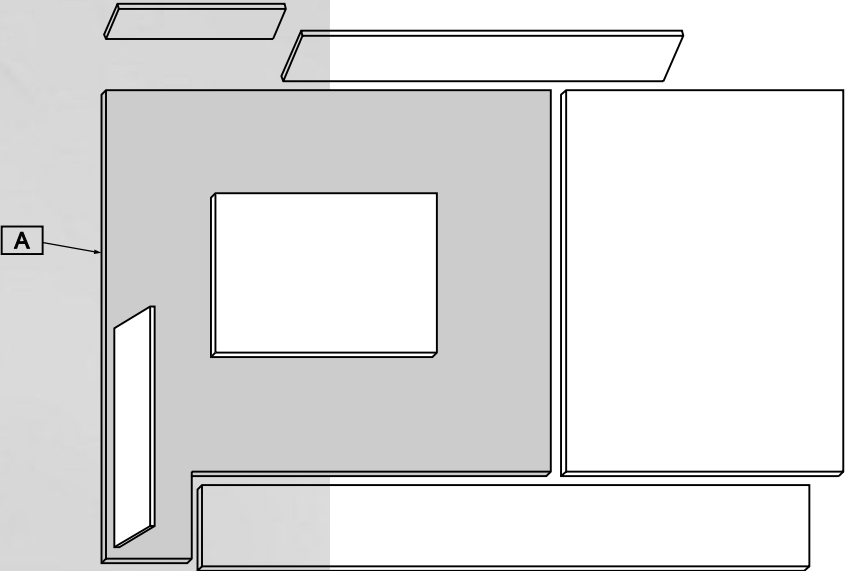
9 Conductor Views

9.1. A-Board

A-BOARD(FOIL SIDE)
TNPH0486



TU-PT600E
A-BOARD TNPH0486

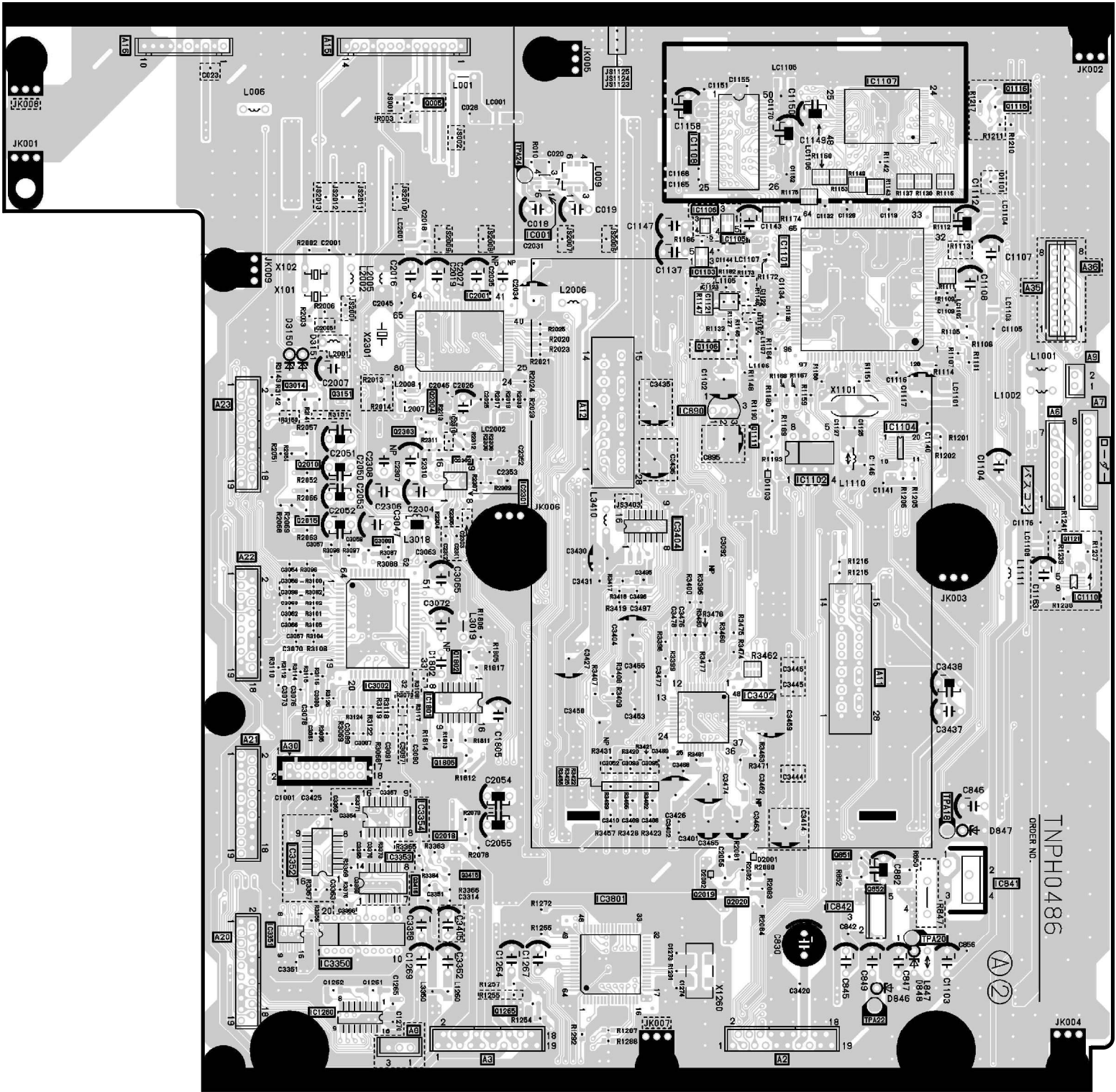


Parts Location

		A-BOARD (FOIL SIDE)			
IC		Q1266	C-1	Q3412	C-2
		Q1800	D-3	Q3413	C-3
IC8002	D-5	Q1801	D-3	Q3414	C-3
IC840	B-1	Q1803	D-3	TP	
IC841	A-2	Q1804	D-3		
IC842	B-2	Q2001	E-5	TPA17	A-2
IC890	C-4	Q2002	E-4	TPA19	B-2
IC1102	B-4	Q2003	D-4	TPA21	B-1
IC1262	C-1	Q2004	D-4	TPA23	C-5
IC3350	E-1	Q2005	D-5		
TRANSISTOR		Q2011	E-4		
Q006	D-6	Q2012	D-4		
Q1101	B-4	Q2013	E-4		
Q1102	B-5	Q2014	E-4		
Q1103	B-5	Q2016	D-2		
Q1104	C-5	Q2017	D-2		
Q1105	B-5	Q2021	C-4		
Q1107	B-5	Q3011	C-3		
Q1108	A-5	Q3015	E-4		
Q1110	B-3	Q3401	B-2		
Q1112	C-5	Q3402	B-3		
Q1118	A-5	Q3403	B-3		
Q1260	B-1	Q3404	C-3		
Q1261	C-2	Q3405	C-3		
Q1262	C-1	Q3406	C-3		
Q1264	D-1	Q3410	C-2		
		Q3411	C-2		

TU-PT600E
A-BOARD TNPH0486

A-BOARD(COMPONENT SIDE)
TNPH0486



Parts Location

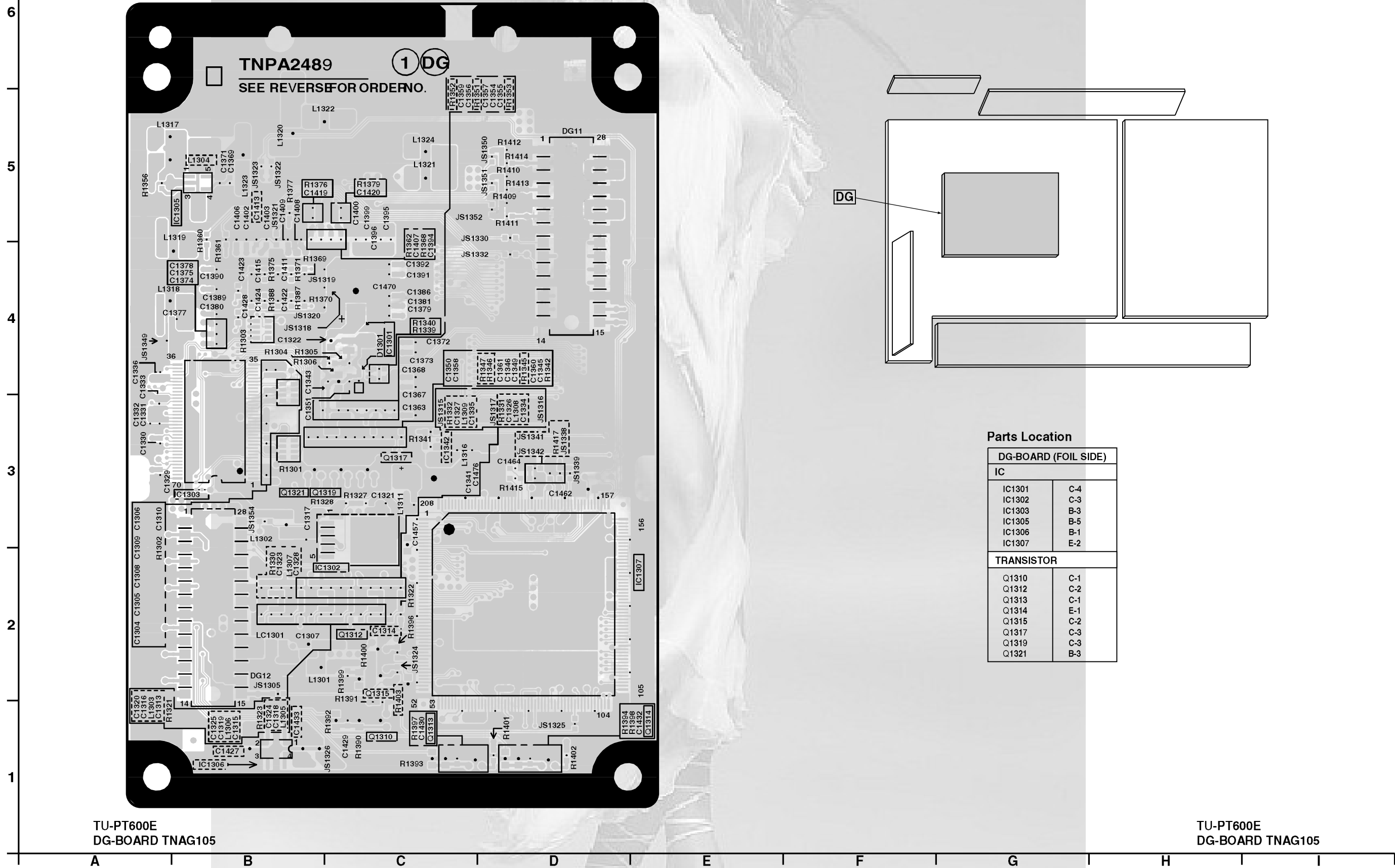
A-BOARD (COMPONENT SIDE)					
IC					
IC001	G-5	IC3351	E-2	Q2010	E-4
IC841	I-2	IC3352	E-2	Q2015	E-4
IC842	H-2	IC3353	F-2	Q2018	F-2
IC890	G-4	IC3354	F-2	Q2019	G-2
IC1101	H-5	IC3402	G-3	Q2020	G-2
IC1102	H-4	IC3404	G-3	Q2303	F-4
IC1103	G-5	IC3801	G-2	Q2304	F-4
IC1104	H-4			Q3009	F-3
IC1105	G-5	TRANSISTOR		Q3014	E-4
IC1106	G-5	Q005	F-5	Q3151	F-4
IC1107	H-6	Q851	H-2	Q3415	F-2
IC1108	G-5	Q852	H-2	Q3416	F-2
IC1110	I-3	Q1106	G-4		
IC1260	F-1	Q1111	H-4	TP	
IC1801	F-3	Q1115	I-5	TPA18	H-2
IC2001	F-5	Q1116	I-6	TPA20	H-2
IC2301	F-4	Q1121	I-3	TPA22	H-1
IC3002	F-3	Q1265	F-1	TPA24	F-5
IC3350	F-1	Q1802	F-2		
		Q1805	F-2		

TU-PT600E
A-BOARD TNPH0486

TU-PT600E
A-BOARD TNPH0486

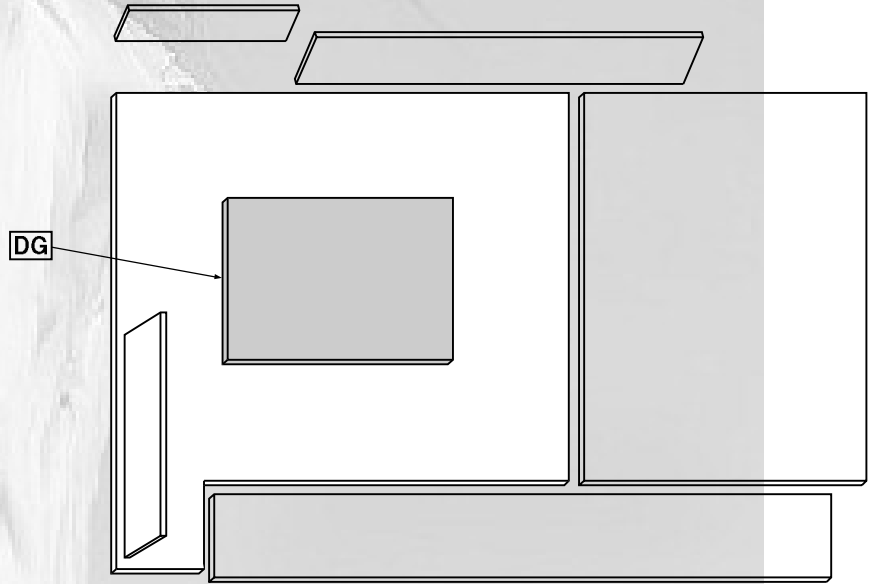
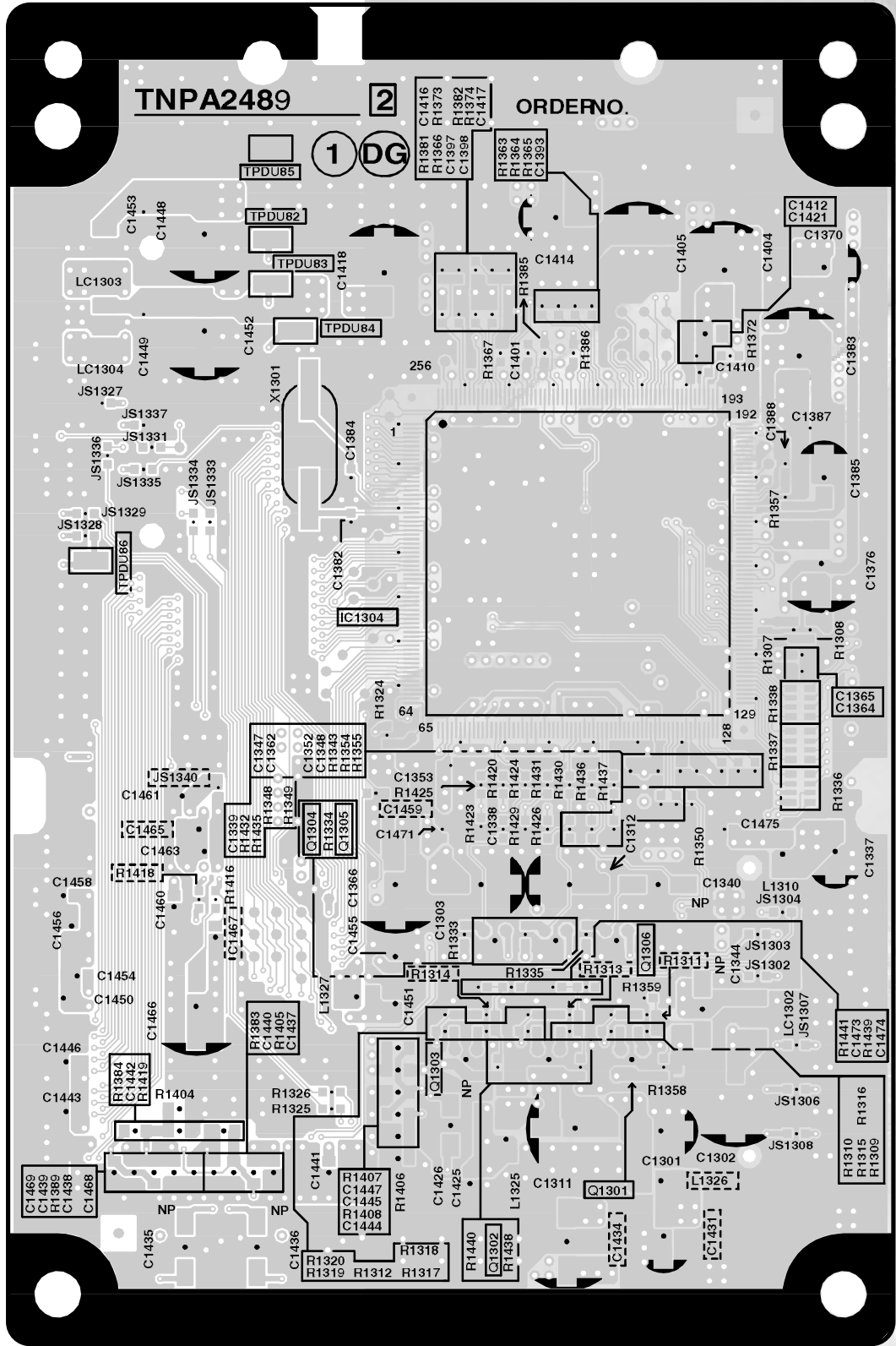
9.2. DG-Board

DG-BOARD(FOIL SIDE)
TNAG105



TU-PT600E
DG-BOARD TNAG105

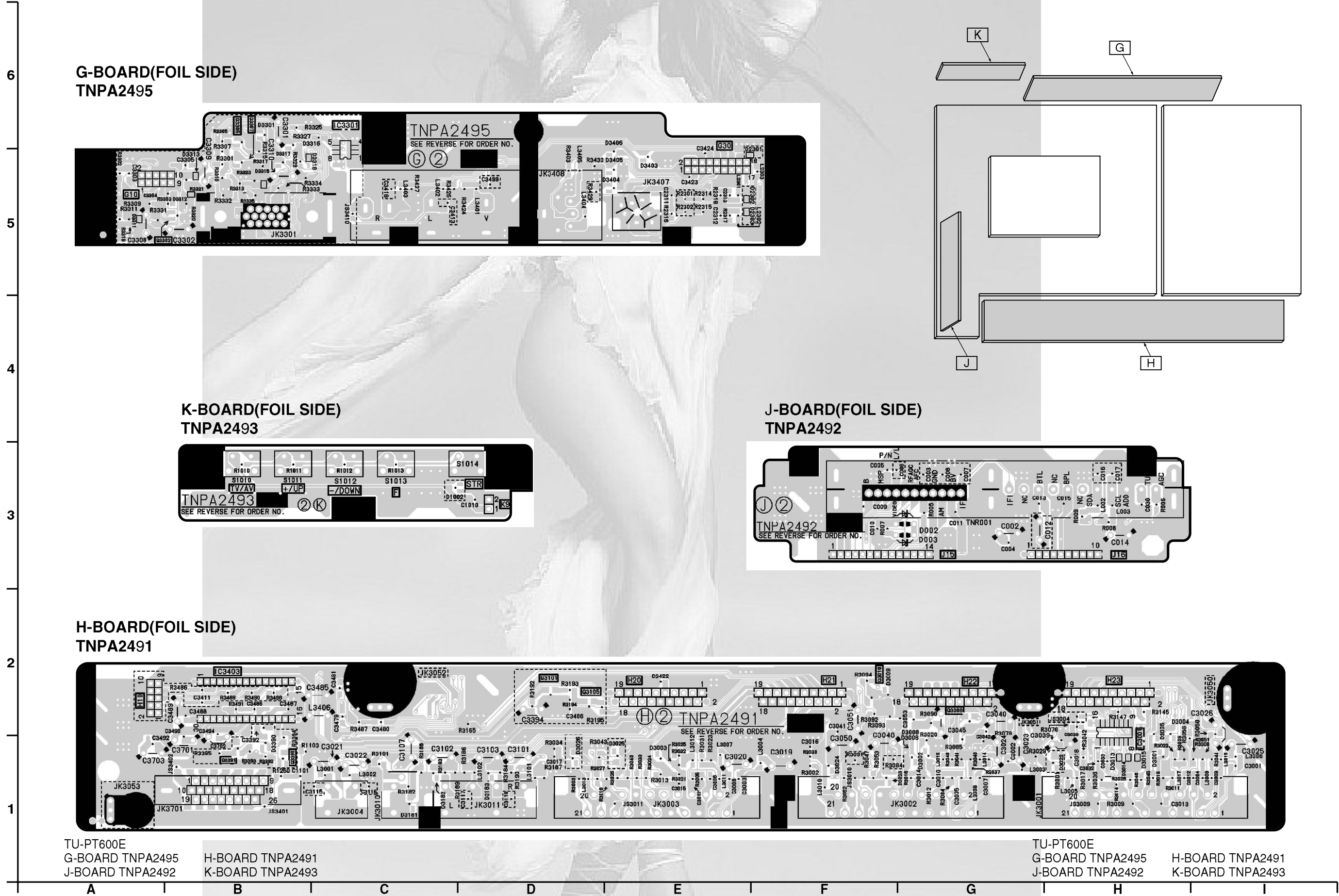
TU-PT600E
DG-BOARD TNAG105

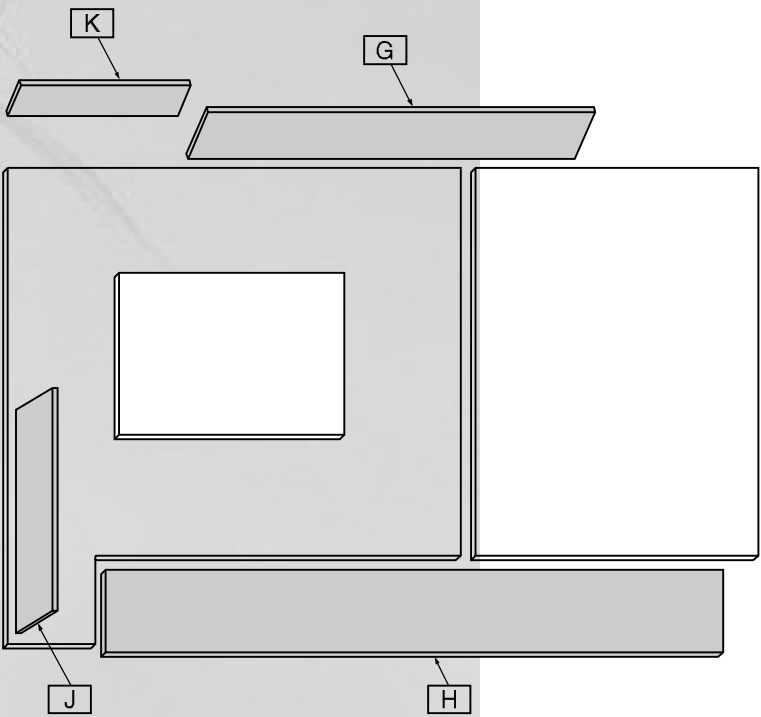


Parts Location

DG-BOARD (COMPONENT SIDE)			
IC		TP	
IC1304	C-4	TPDU82	B-5
TRANSISTOR		TPDU83	B-5
		TPDU84	B-5
Q1301	D-1	TPDU85	B-5
Q1302	C-1	TPDU86	B-4
Q1303	C-2		
Q1304	B-3		
Q1305	C-3		

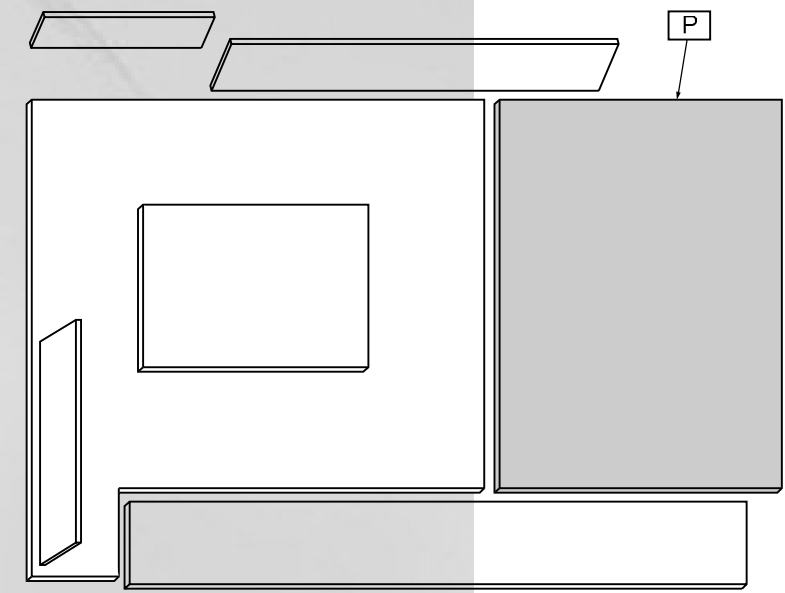
9.3. G, H, J and K-Board





S1014 STR
 S1013 F
 S1012 -/DOWN
 S1011 +/-UP
 S1010 TV/AV
 TNP2493
 ORDER NO.
 ②Ⓚ

TNPA2490



P-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC801	B-3	Q804	E-5
IC802	C-4	Q840	B-3
IC806	E-2	Q841	B-2
IC860	F-2	Q850	B-1
IC861	E-3	Q860	D-2
IC862	F-2	Q861	D-2
IC863	F-3	Q890	D-2
		Q891	B-1

10 Block and Schematic Diagrams

10.1. 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:

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).

$\bigcirc$	: Nonflammable	$\boxtimes$	: Metal Oxide
$\triangle$	: Solid	$\odot$	: Metal Film
$\boxplus$	: Wire Wound	$\otimes$	: Fuse:

2. Capacitor

All capacitors are ceramic 50V capacitor, unless marked as follows:

Unit of capacitance is μ F, unless otherwise noted.

$\otimes$	: Temperature Compensation	$\begin{array}{c} + \\ \text{---} \end{array}$	: Electrolytic
$\textcircled{M}$	: Polyester	$\begin{array}{c} \text{NP} \\ \text{---} \end{array}$	: Bipolar
$\textcircled{M}$	: Metalized Polyester	$\textcircled{T}$	: Dipped Tantalum
$\boxtimes$	: Polypropylene	$\textcircled{Z}$	: Z-Type

3. Coil

Unit of inductance is μ H, unless otherwise noted.

4. Test Point

$\bigcirc$: 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. Number in red circle indicates waveform number.

(See waveform pattern table.)

8. When arrow mark ($\nearrow$) is found, connection is easily found from the direction of arrow

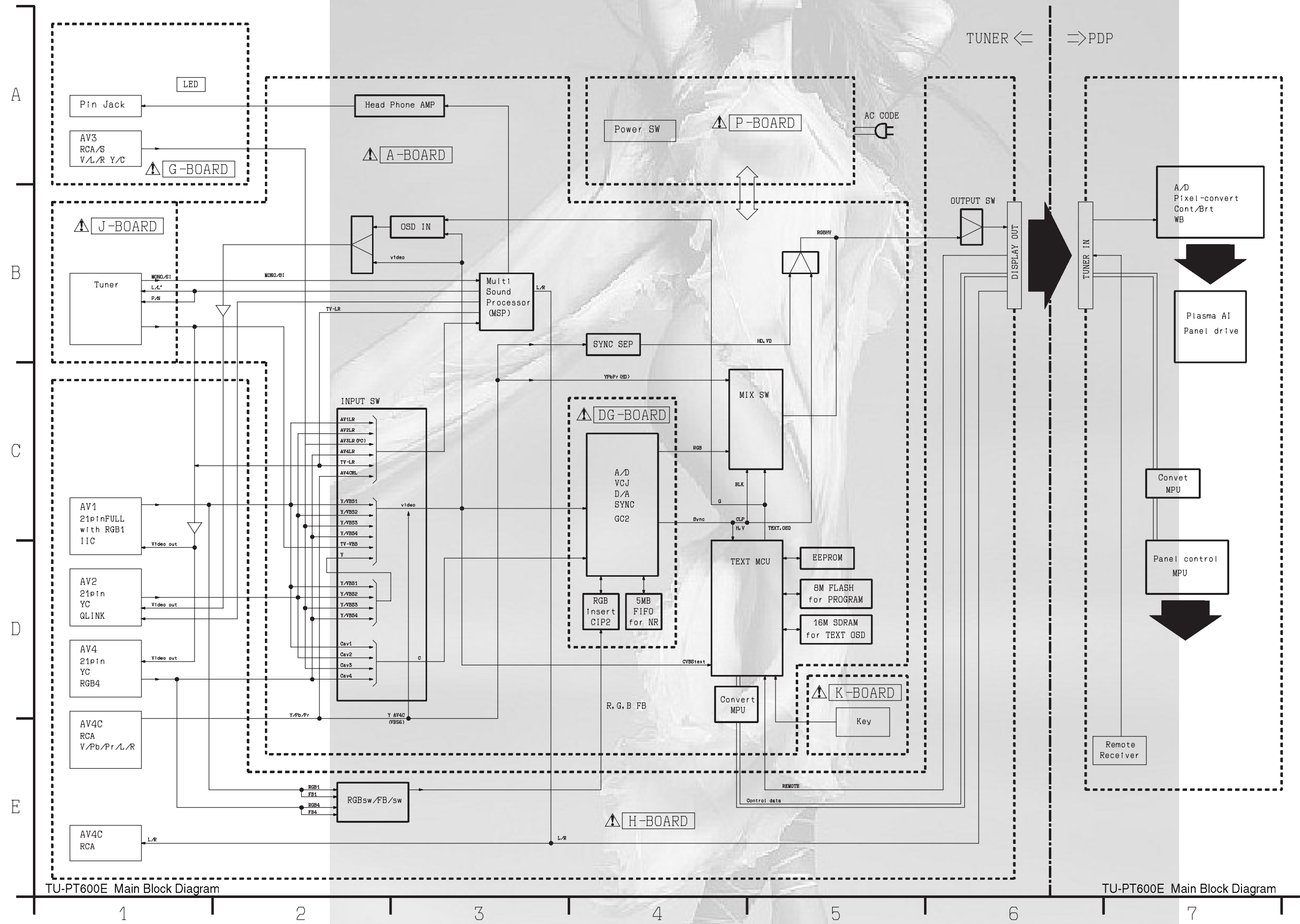
9. Indicates the major signal flow. : Video $\Rightarrow$ Audio $\Rightarrow$

10. 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 following 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.
- Following diodes are interchangeable.
MA150- MA162 (Replacement part)

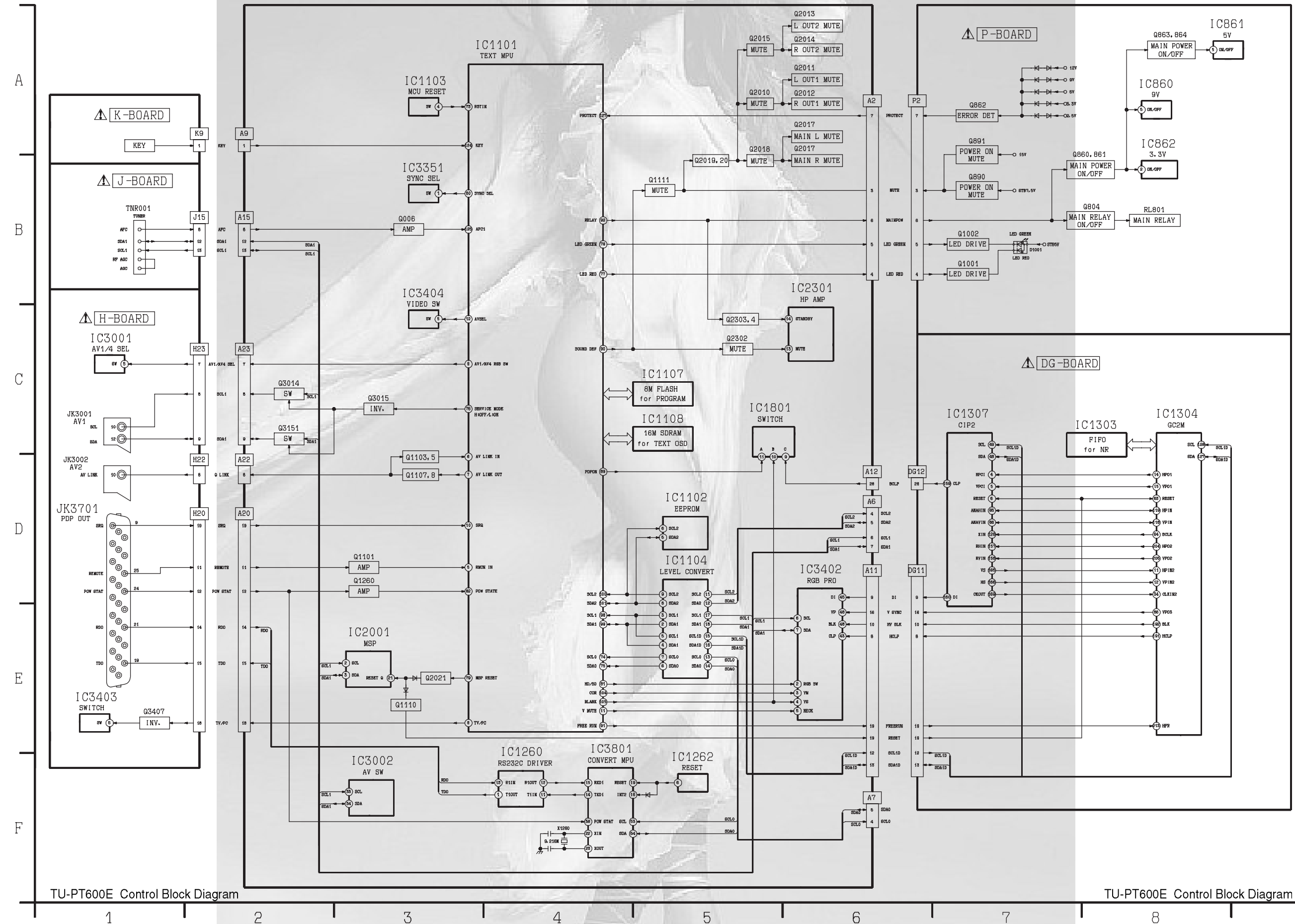
10.2. Main Block Diagram



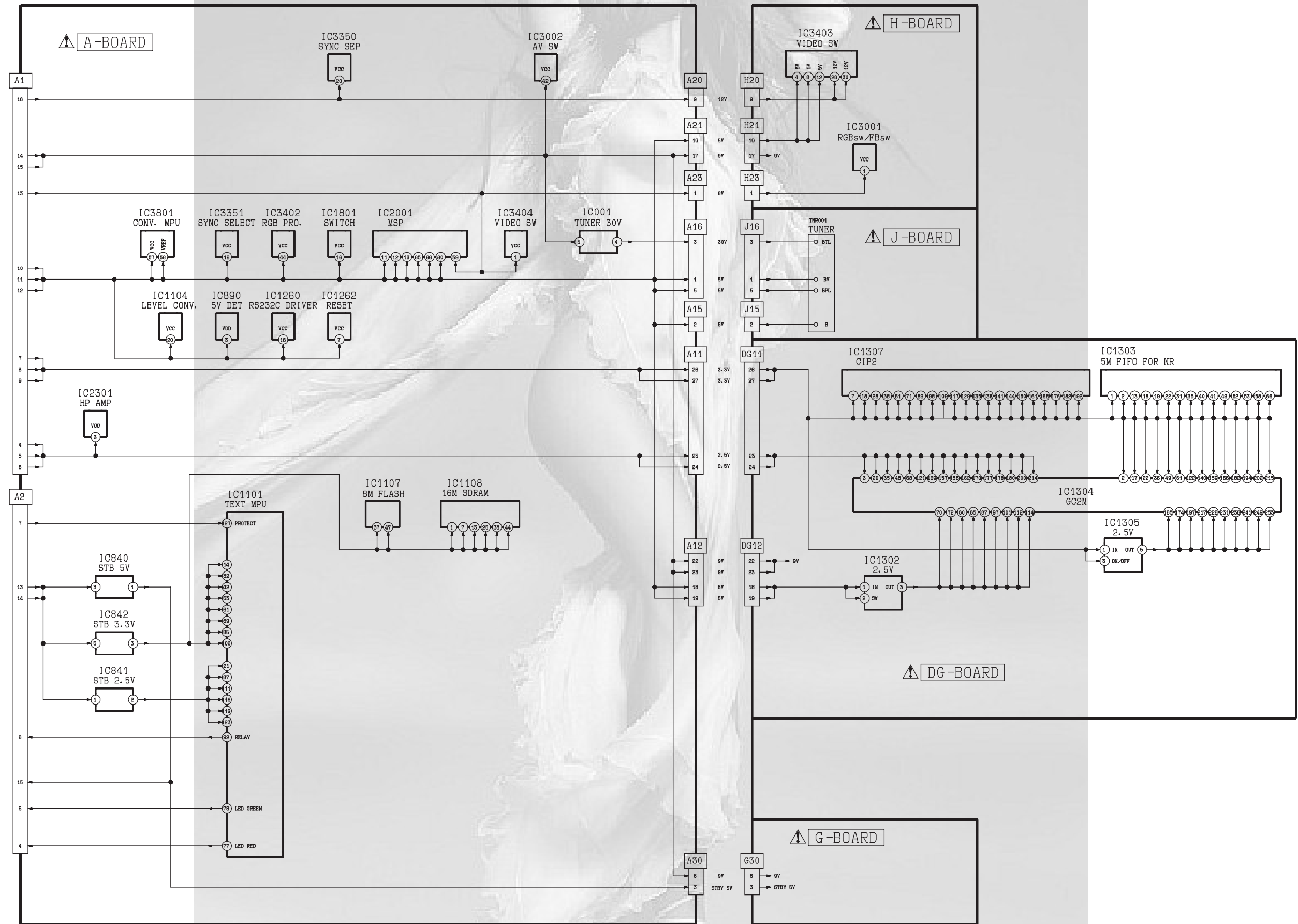
TU-PT600E Main Block Diagram

TU-PT600E Main Block Diagram

10.3. Control Block Diagram



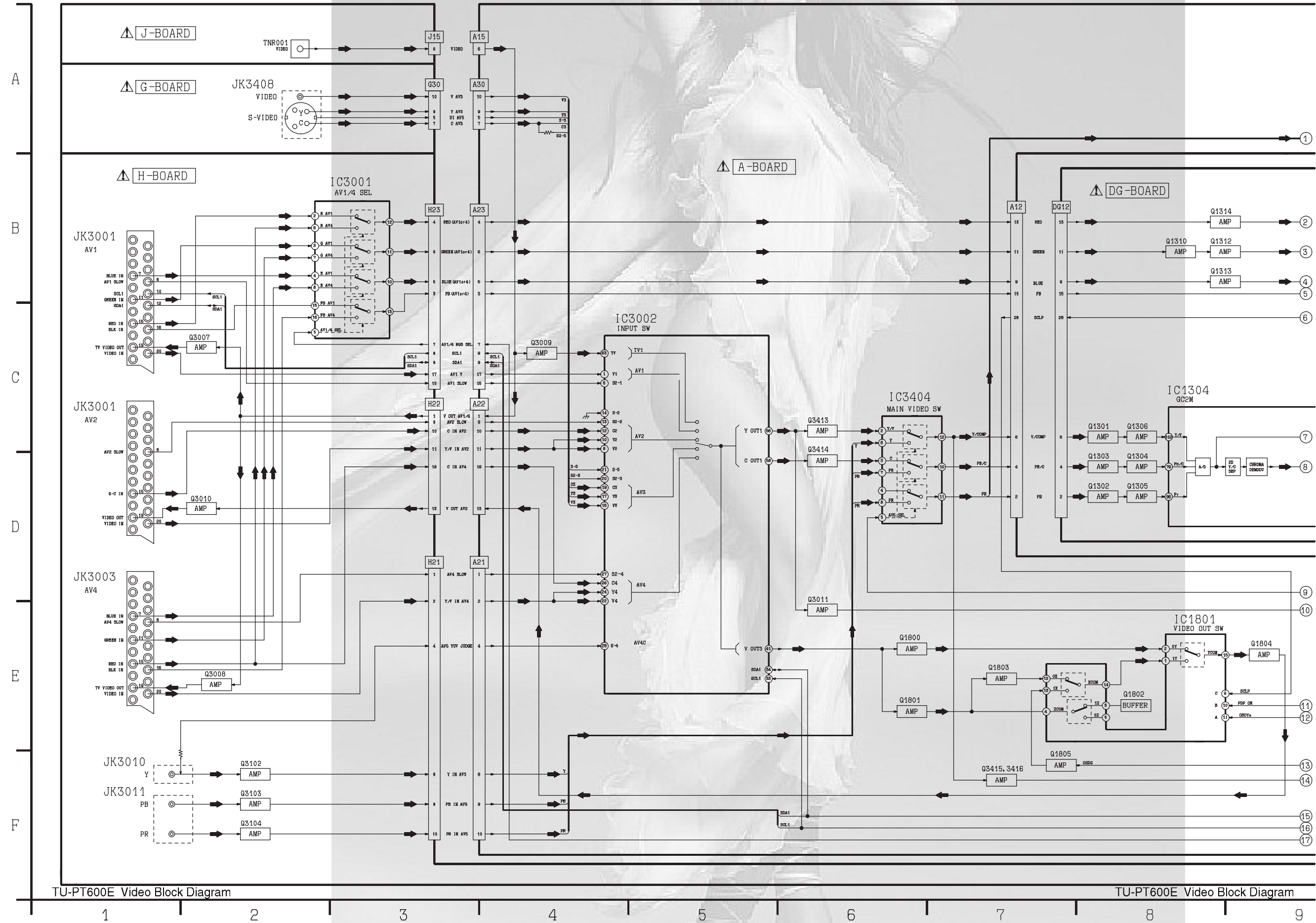




TU-PT600E Power Block Diagram

TU-PT600E Power Block Diagram

10.5. Video Block Diagram

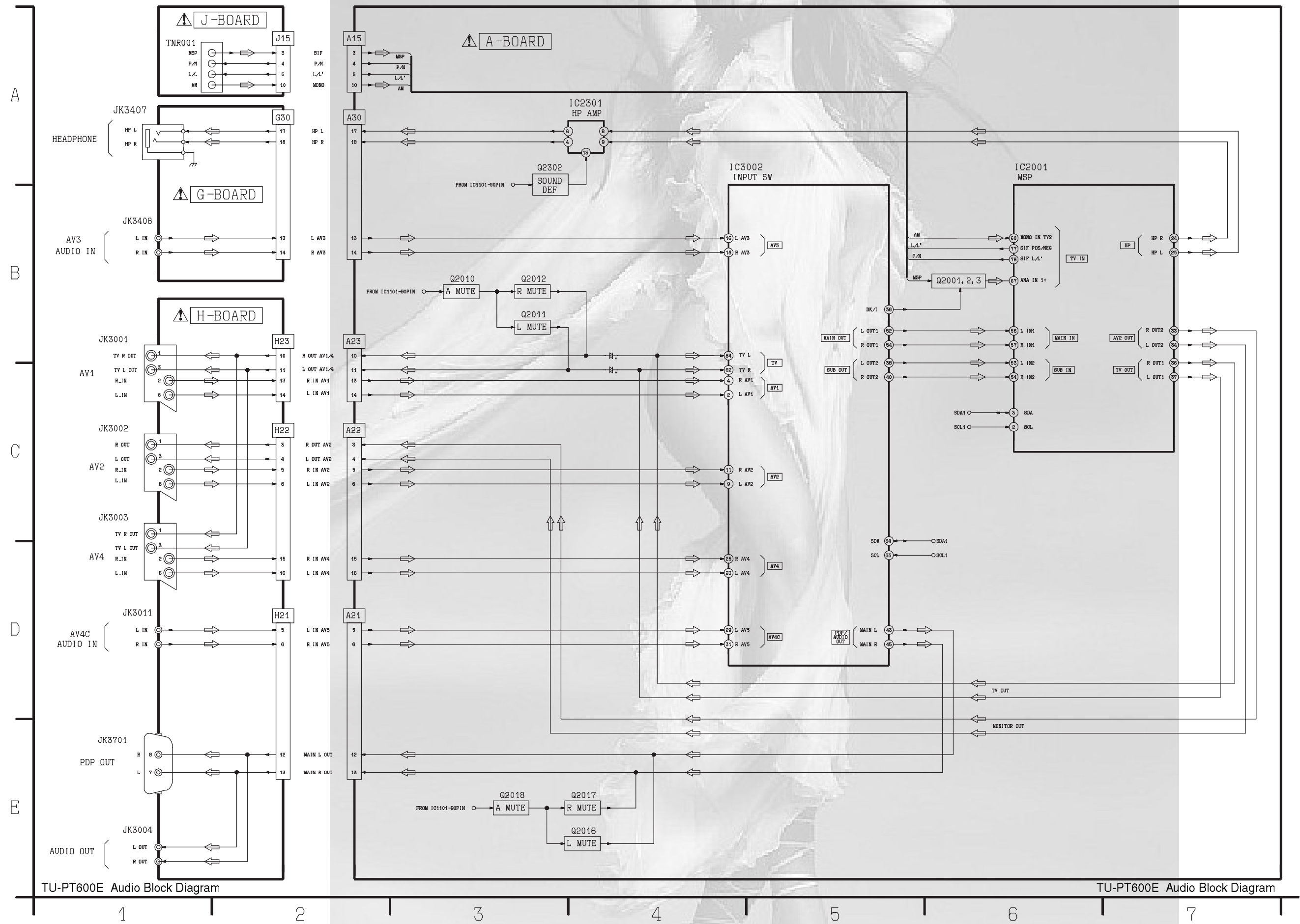


TU-PT600E Video Block Diagram

TU-PT600E Video Block Diagram

TU-PT600E Video Block Diagram

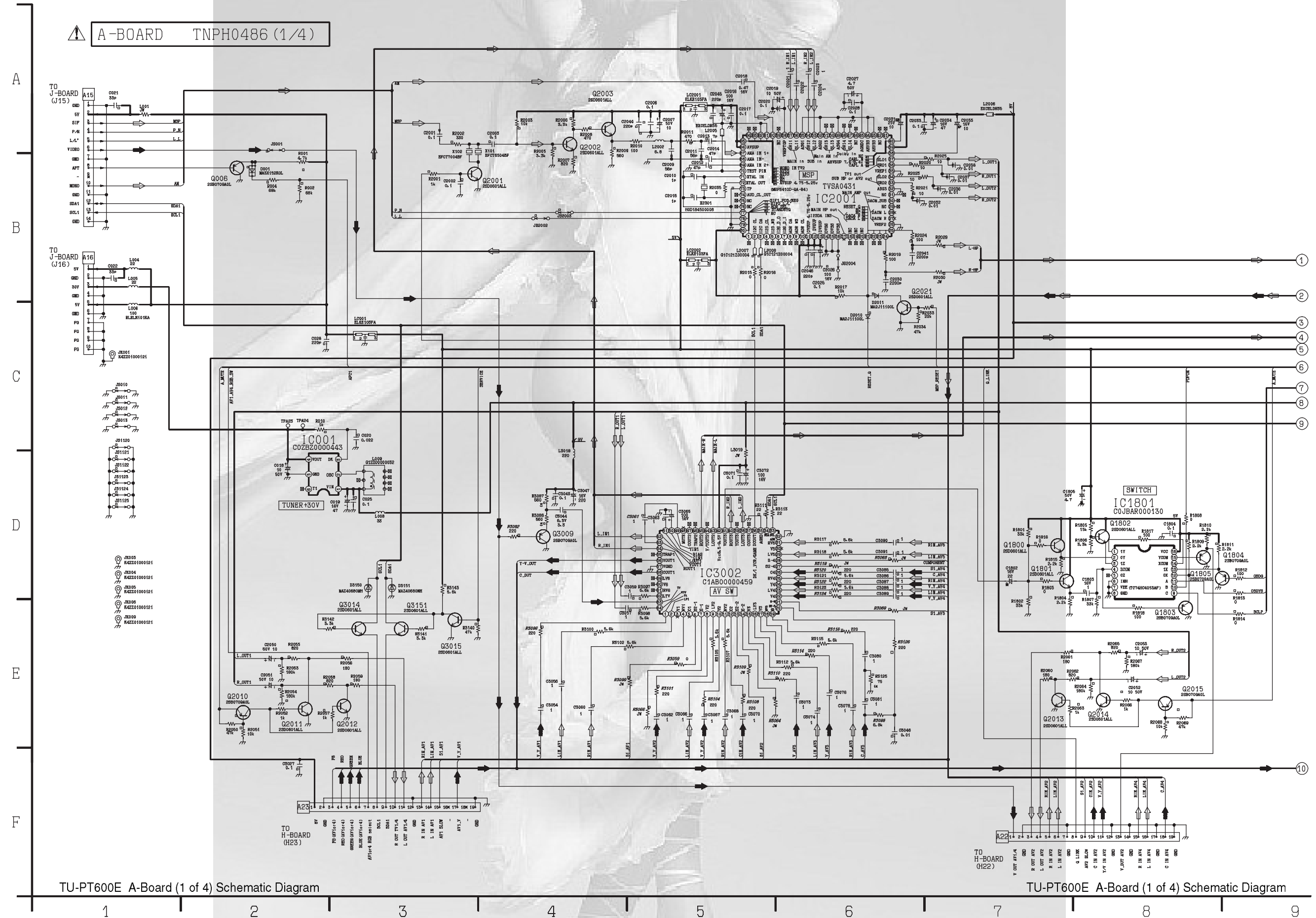
10.6. Audio Block Diagram

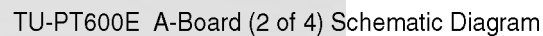


TU-PT600E Audio Block Diagram

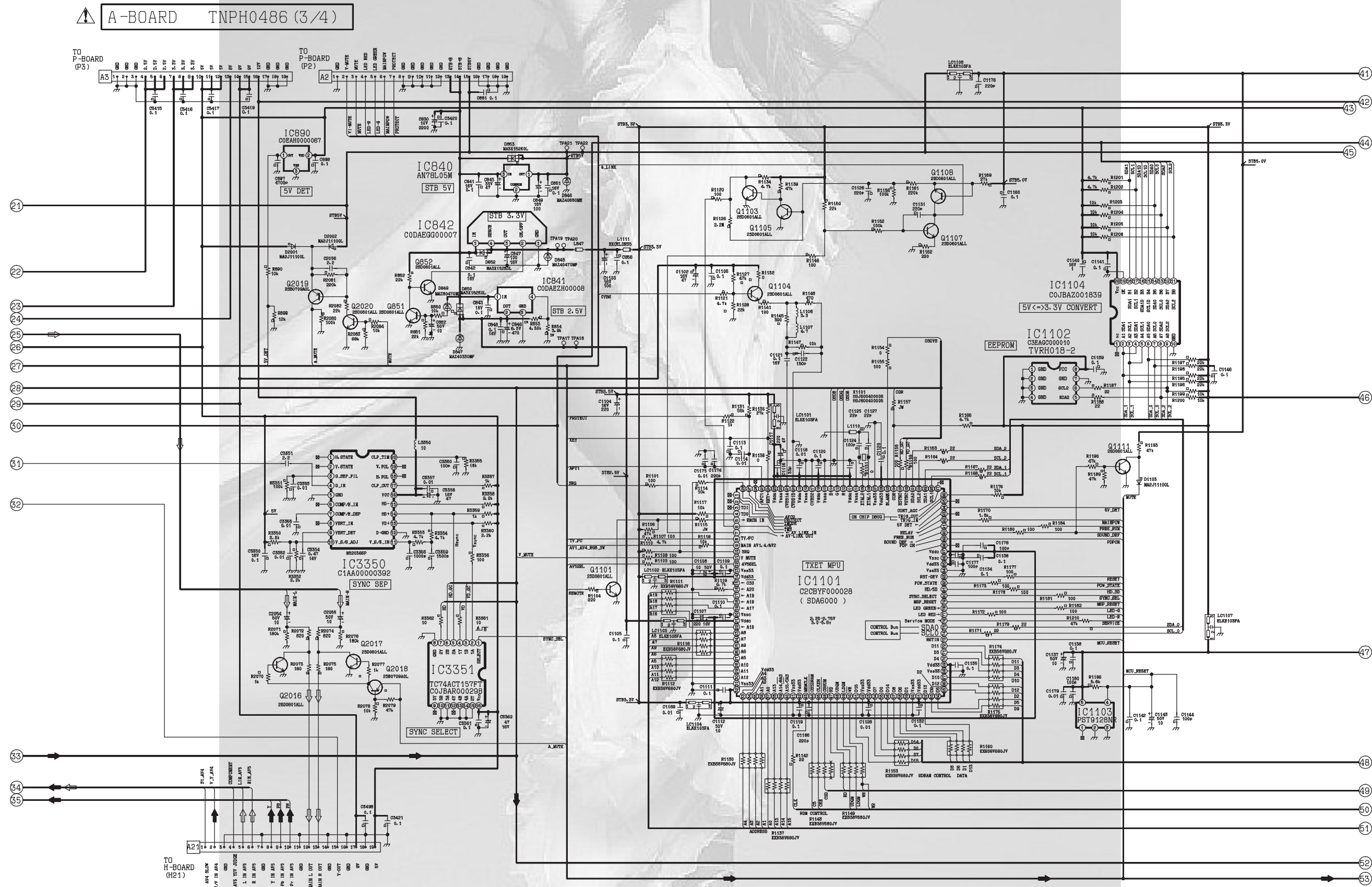
TU-PT600E Audio Block Diagram

10.7. A-Board (1 of 4) Schematic Diagram

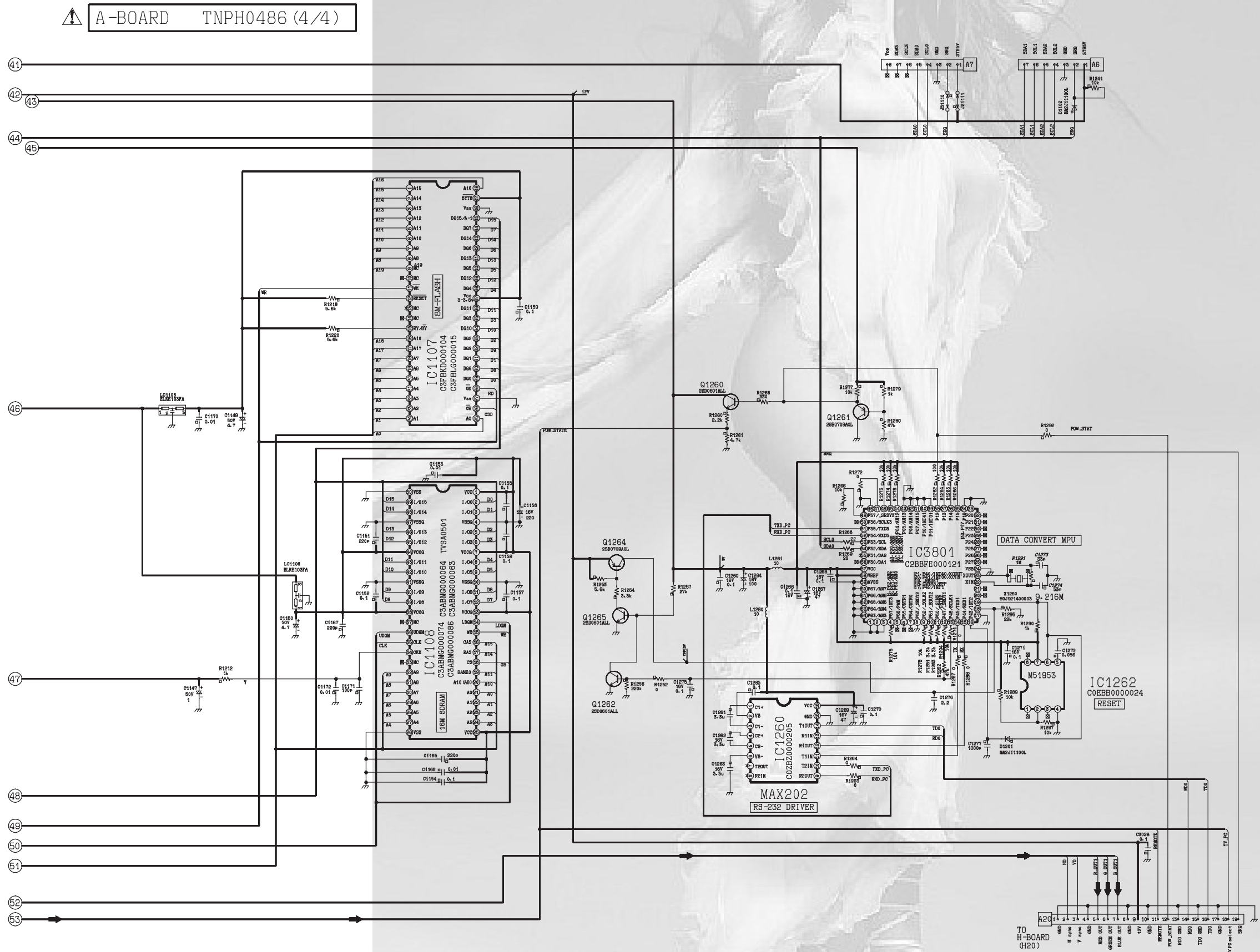




10.9. A-Board (3 of 4) Schematic Diagram

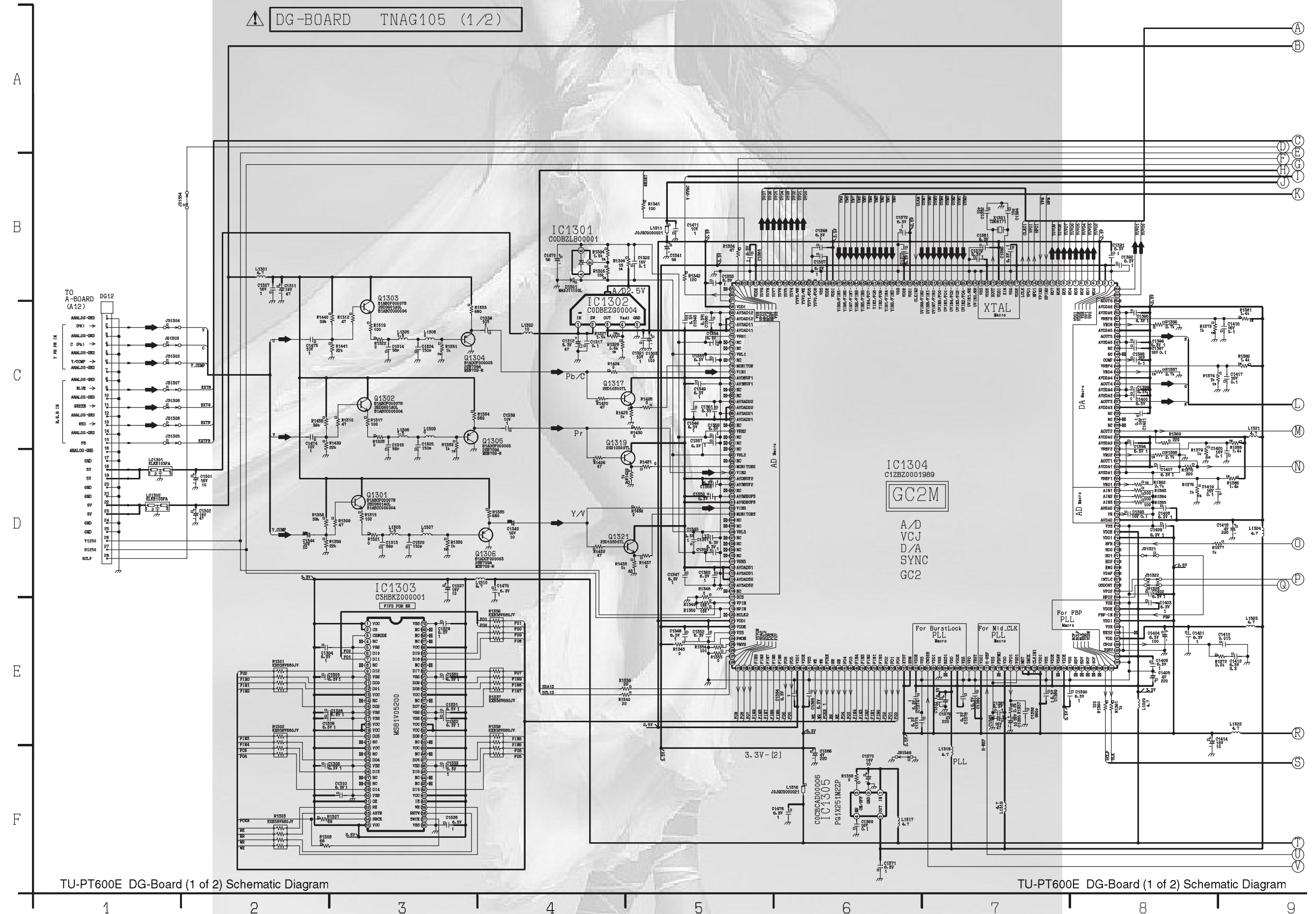


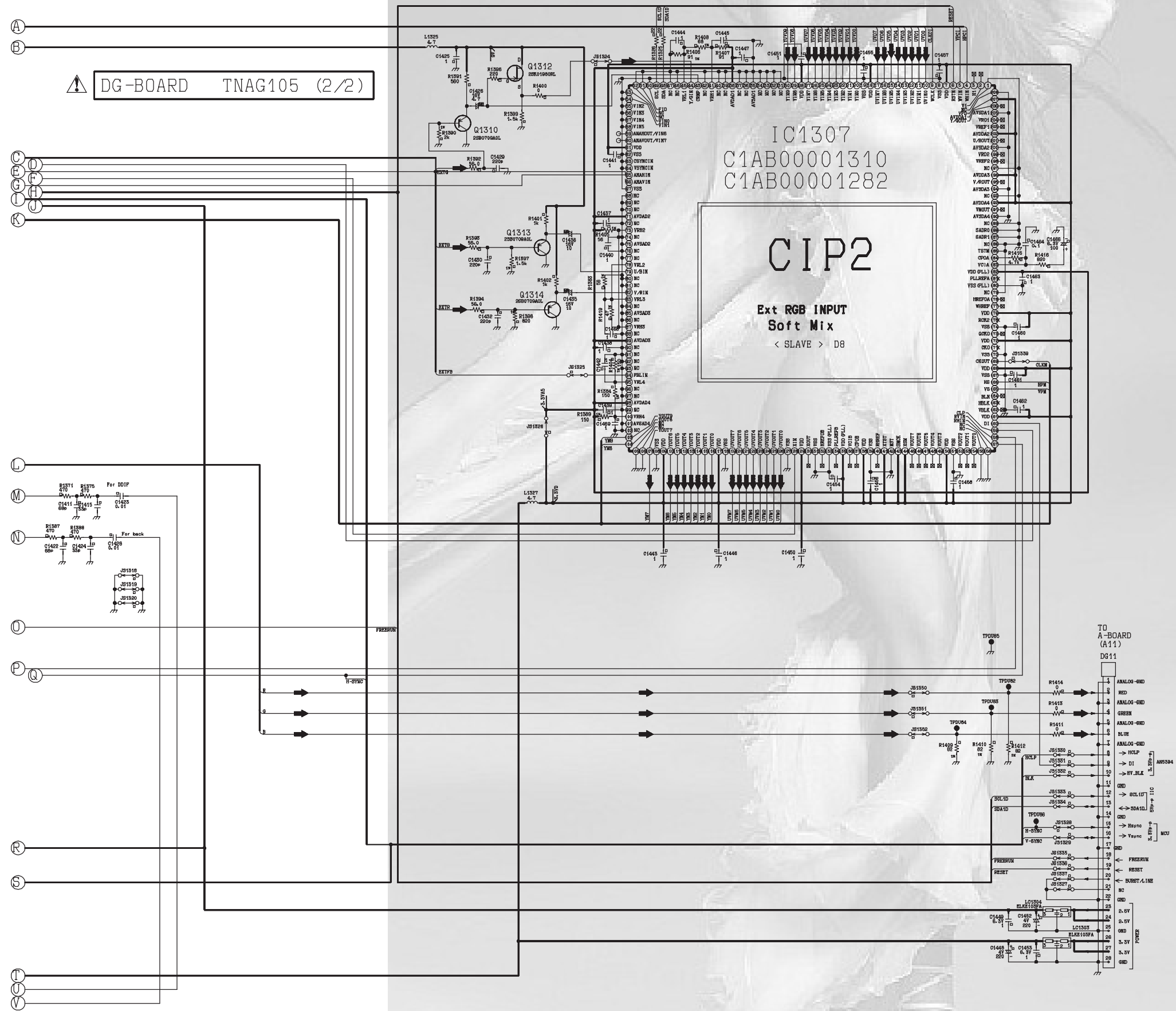
10.10. A-Board (4 of 4) Schematic Diagram



TU-PT600E A-Board (4 of 4) Schematic Diagram

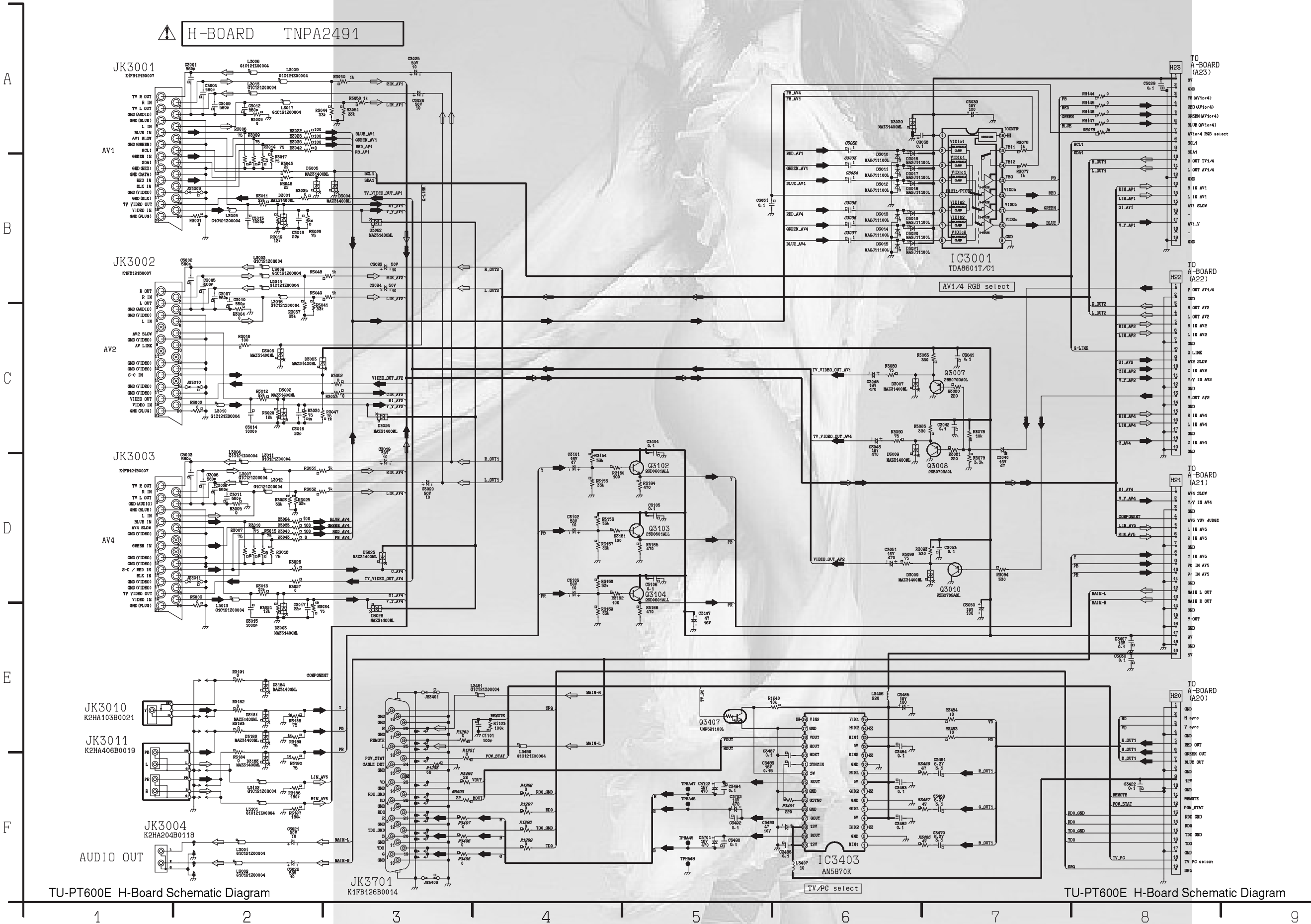
10.11. DG-Board (1 of 2) Schematic Diagram





TU-PT600E DG-Board (2 of 2) Schematic Diagram

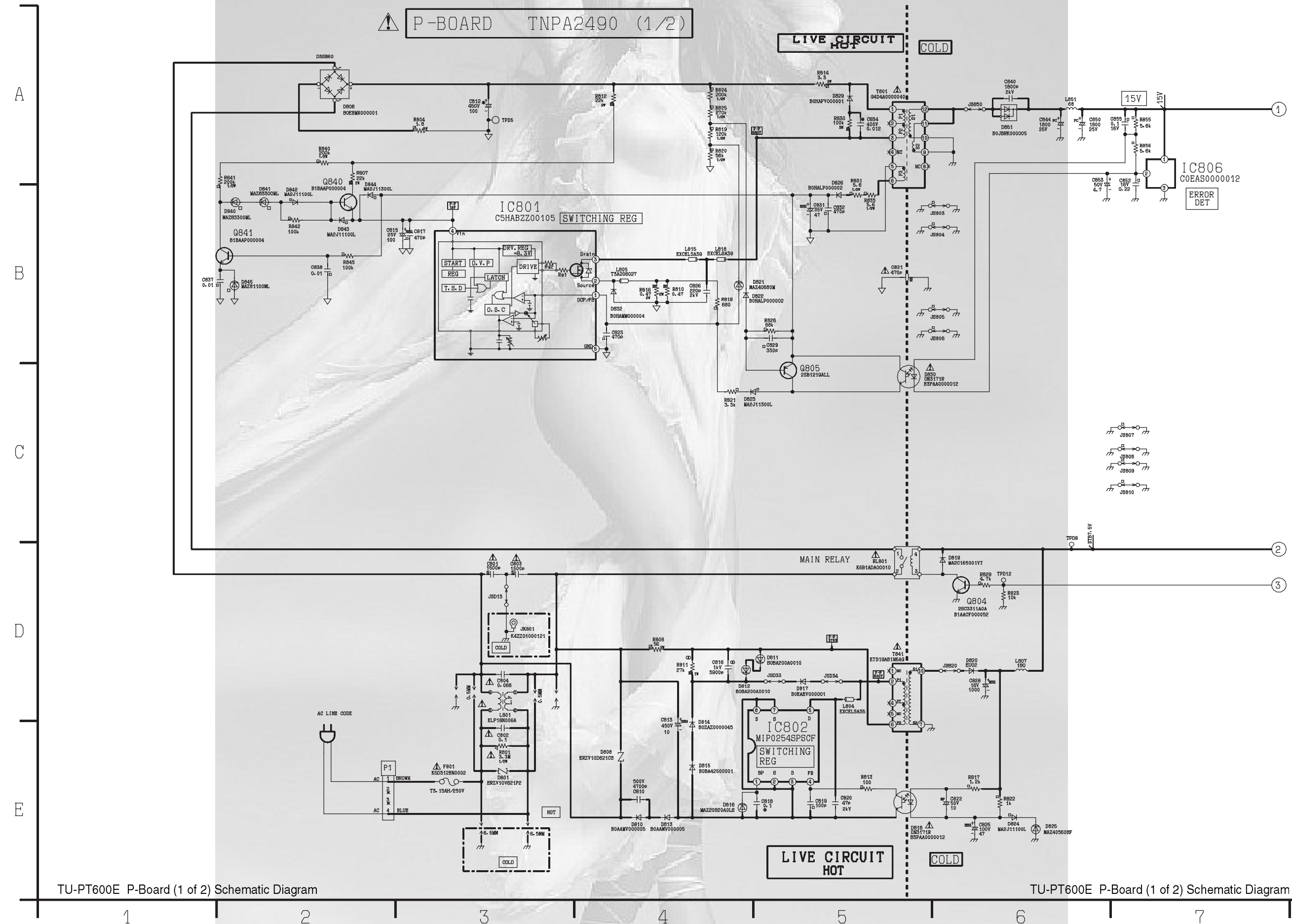
10.14. H-Board Schematic Diagram



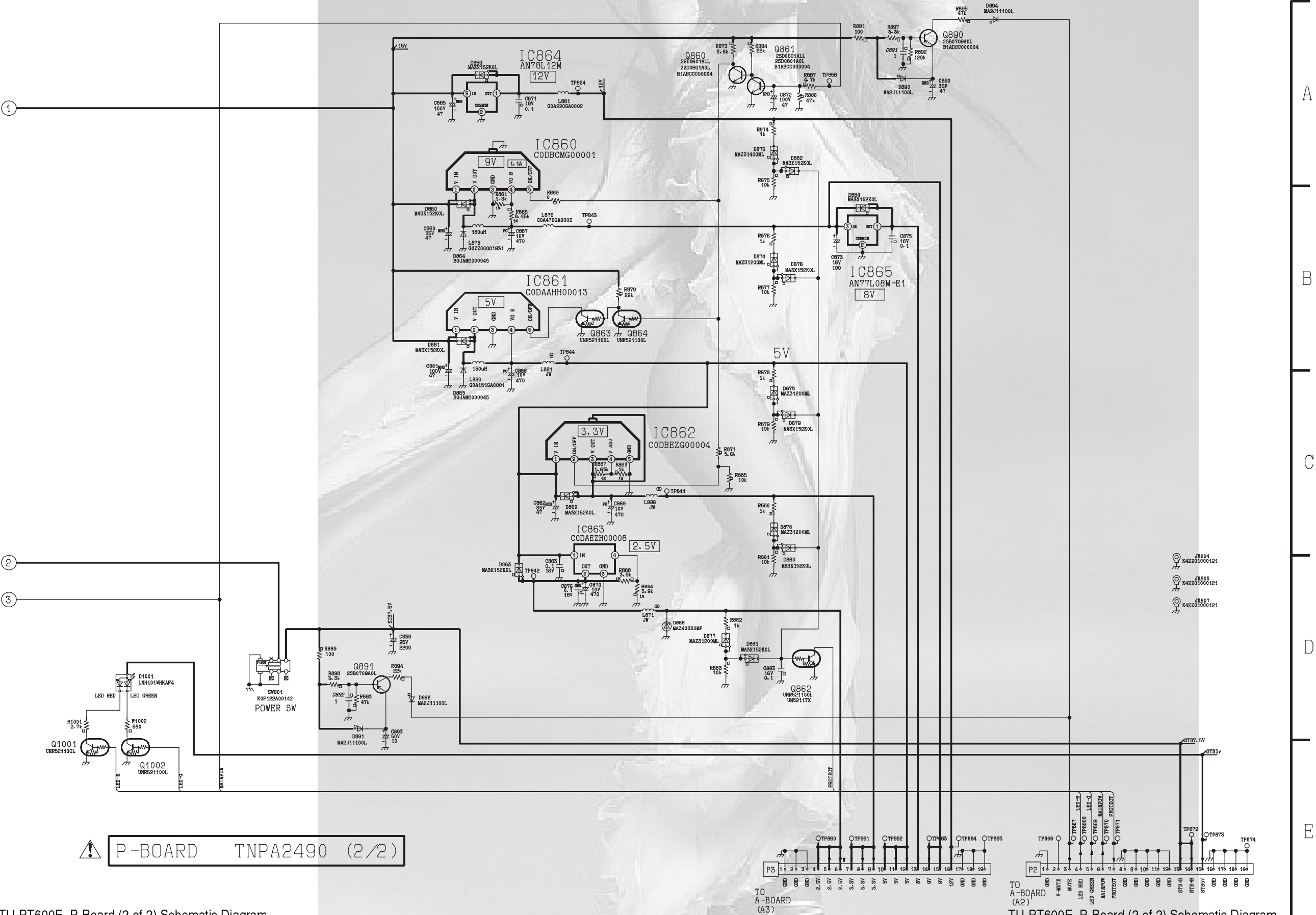
TU-PT600E H-Board Schematic Diagram

TU-PT600E H-Board Schematic Diagram

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



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

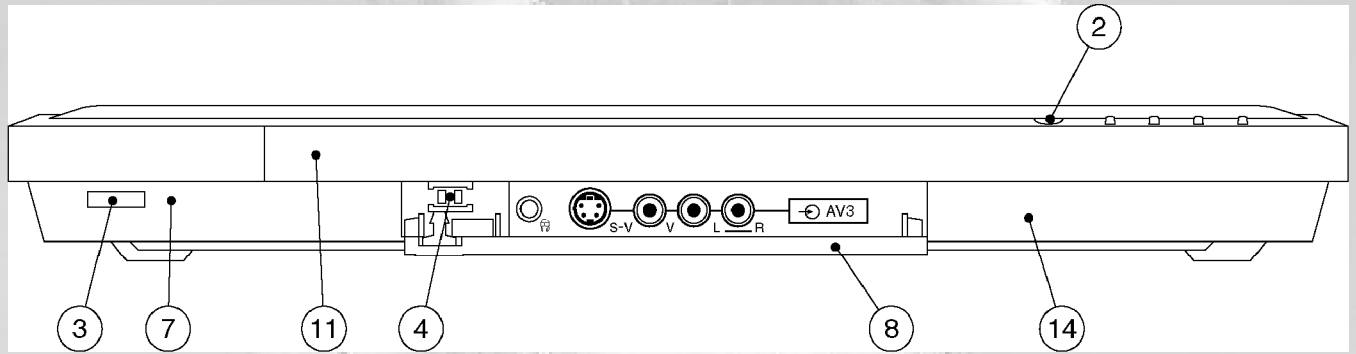


TU-PT600E P-Board (2 of 2) Schematic Diagram

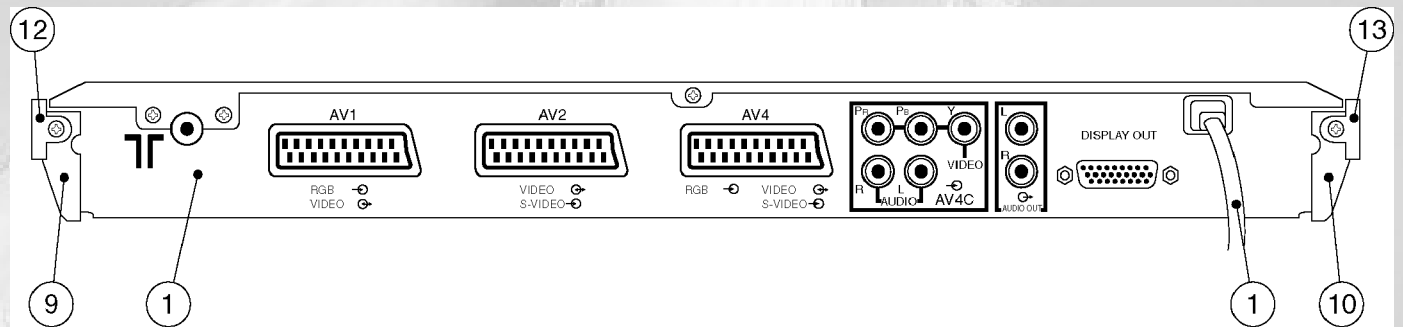
TU-PT600E P-Board (2 of 2) Schematic Diagram

11 Parts Location

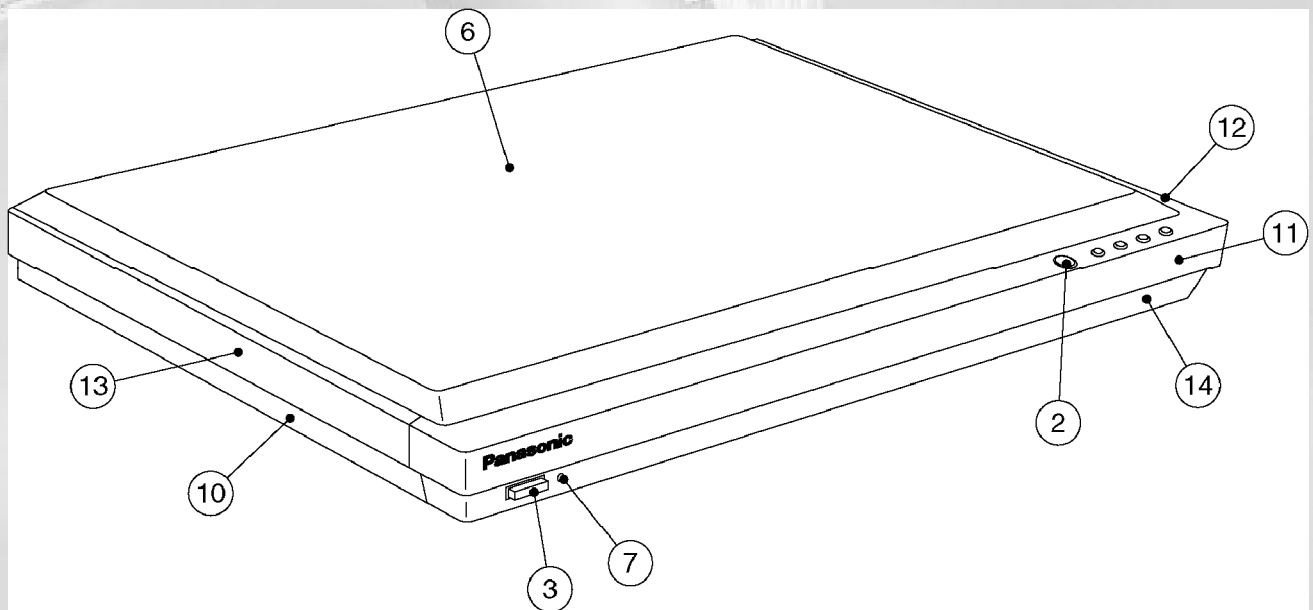
• Front View



• Rear View



• Top View



12 Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	EYF-52BC	FUSE HOLDER	2	
	K1HA26FA0001	26P CONNECTOR	1	
	K1KA02B00115	CONNECTOR	1	
	K1KA10A00263	10P CONNECTOR	1	
	K1KA14A00127	14P CONNECTOR	1	
	K1KA18A00036	18P CONNECTOR	1	
	K1KA28A00017	28P CONNECTOR	2	
	K1KB10B00042	10P CONNECTOR	1	
	K1KB14B00026	14P CONNECTOR	1	
	K1KB28A00017	28P CONNECTOR	2	
1	K2CQ2DZ00002	AC POWER CORD	1	△
	TBLG3017	SET LUG	4	
	TBME616	MODEL NAME PLATE	1	
2	TBXA35001	OPERATION BUTTON	1	
3	TBXA35101	POWER BUTTON	1	
4	TEK6935	DOOR SWITCH	1	
	TEKC001	DAMPER	1	
	THEA068N	SCREW	4	
	TETD006	SCREW	36	
	TJS118590	2P CONNECTOR	1	K1KA02A00188
	TJS169690	4P CONNECTOR	1	K1KA04A00111
	TJS3A9680	7P CONNECTOR	1	K1KA07A00095
	TJS3A9880	8P CONNECTOR	1	K1KA08A00179
	TJS6A9360	18P CONNECTOR	1	K1KA18B00023
	TJSF31919	19P CONNECTOR	6	K1KB19A00007
	TJSF32019	19P CONNECTOR	6	K1KA19A00010
5	TKFA14201	REAR PANEL	1	△
6	TKFA14301	TOP COVER	1	
7	TKKC5136	LED COVER	1	
8	TKPA61301	DOOR	1	
9	TKPA61401	SIDE PANEL (RIGHT)	1	
10	TKPA61501	SIDE PANEL (LEFT)	1	
11	TKPA61601	DECORATION PANEL (FRONT)	1	
12	TKPA61701	ORNAMENT PANEL (RIGHT)	1	
13	TKPA62201	ORNAMENT PANEL (LEFT)	1	
	TNQE286	REMOCOM TRANSMITTER	1	
	TPCB23201	CARTON BOX	1	
	TPDF0860	CUSHION	1	
	TPEH110	PROTECT COVER	1	
	TPEX013	POLISHING CLOTH	1	
	TQBC0503	INSTRUCTION BOOK (ENGLISH)	1	
	TQBC0504	INSTRUCTION BOOK (GERMAN)	1	
	TQBC0505	INSTRUCTION BOOK (FRENCH)	1	
	TQBC0506	INSTRUCTION BOOK (ITALIAN)	1	
	TQBC0507	INSTRUCTION BOOK (SPANISH)	1	
	TQBC0508	INSTRUCTION BOOK (NETHER)	1	
	TQBC0509	INSTRUCTION BOOK (DANISH)	1	
	TQBC0510	INSTRUCTION BOOK (SWEDISH)	1	
	TQFB722	LABEL	1	
14	TXFKP02LESE	FRONT PANEL ASS'Y	1	△
	XTB3+6J	SCREW	2	
	XTV3+10JFZ	SCREW	13	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	XTW3+12T	SCREW	3	
	XYN3+F12	SCREW	1	
	XYN3+J8	SCREW	4	
	XZBT6506	POLY BAG	1	

13 Replacement Parts List

13.1. 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 $\underline{C}$ 100KOHM, $\underline{J}$ 1/4W
 Type Allowance

2. Capacitor

Example:

ECKF1H103ZF $\underline{C}$ 0.01UF, $\underline{Z}$ 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 : $\pm 1\text{pF}$
Polypropylene	G : $\pm 3\text{pF}$
T : Tantalum	J : $\pm 5\text{pF}$
	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	P : +100%, -0%
	Z : +80%, -20%

13.2. Electrical Replacement Parts List Notes

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C002	ECA1HM100	E 10UF, 50V	1	
C004,05	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C009-11	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C013	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C014	ECA0JM102	E 1000UF, 6.3V	1	
C015	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C018	ECA1HM100	E 10UF, 50V	1	
C019	ECA1HM470	E 47UF, 50V	1	
C020	ECJ2VF1H223Z	C 0.022UF, Z, 50V	1	
C025	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C028	ECJ2XC1H221J	C 220PF, J, 50V	1	
C030	ECJ2VB1H273K	C 0.027UF, K, 50V	1	
C801	ECKDNA152ME	C 4700PF, Z,	1	△
C802	ECQU2A104MN	P 0.1UF, M, 250V	1	△
C803	ECKDNA152ME	C 4700PF, Z,	1	△
C804	ECQU2A683MN	P 0.068UF, M, 250V	1	△
C810	ECKDAE472ZE	C 4700PF, Z,	1	
C812	EETEC2W101H	C 4700PF, Z,	1	
C813	ECA2WEG100	E 10UF, 450V	1	
C815	ECA1HEG101	E 100UF, 25V	1	
C816	ECKD3A392KBN	C 3900PF, K, 1KV	1	
C817	ECJ2XB1H471K	C 470PF, K, 50V	1	
C818	ECQV1H104JM	P 0.1UF, J, 50V	1	
C819	ECJ2XC1H101K	C 100PF, K, 50V	1	
C820	ECCD3D470KGE	C 47PF, K, 2KV	1	
C821	ECKCNA471MBB	C 470PF, M,	1	△
C822	ECA1CEM100	E 10UF, 16V	1	
C823	ECJ2XC1H471J	C 470PF, J, 50V	1	
C825	ECA2AEG470	E 47UF, 100V	1	
C826	ECKD3D221KBP	C 220PF, K, 2KV	1	
C828	ECA1CEG102	E 1000UF, 16V	1	ECA1CHG102B
C829	ECJ2XC1H331J	C 330PF, J, 50V	1	
C830	EEUFC1A222	E 2200UF, 10V	1	F2A1A222A152
C831	ECA1VEG470	E 47UF, 35V	1	
C832	ECJ2XB1H471K	C 470PF, K, 50V	1	
C834	ECQF4123JZ	P 0.012UF, J, 400V	1	
C837,38	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C839	EEUFC1A222	E 2200UF, 10V	1	F2A1A222A152
C840	ECKD3D182KBP	C 1800PF, K, 2KV	1	
C841-43	ECJ2VB1C104K	C 0.1UF, K, 16V	3	
C844	EEUFC1E182	E 1800UF, 25V	1	
C845	ECA1VM470	E 47UF, 35V	1	
C846	ECA0JM471	E 470UF, 6.3V	1	
C847	ECA1CM101	E 100UF, 16V	1	
C848	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C849	ECA1CM101	E 100UF, 16V	1	
C850	EEUFC1E182	E 1800UF, 25V	1	
C851	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C852	ECJ2VB1C224K	C 0.22UF, K, 16V	1	
C853	ECA1HM4R7	E 4.7UF, 50V	1	
C855	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C856	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C860	ECA1VEG470	E 47UF, 35V	1	
C861	ECA2AEG470	E 47UF, 100V	1	
C862	ECA1VEG470	E 47UF, 35V	1	
C863	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C865	ECA2AEG470	E 47UF, 100V	1	
C867	EEUFC1C471	E 470UF, 16V	1	
C868,69	EEUFC1A471	E 470UF, 10V	2	
C870	ECA1AEG471	E 4700UF, 10V	1	
C871	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C872	ECA2AEG470	E 47UF, 100V	1	
C873	ECA1CM101	E 100UF, 16V	1	
C875,76	ECJ2VB1C104K	C 0.1UF, K, 16V	2	
C881	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C882	ECA1HM100	E 10UF, 50V	1	
C883	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C890	ECA1VEG470	E 47UF, 35V	1	
C891,92	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C893	ECA1HM100	E 10UF, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C897	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C898	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1001	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1002	ECJ2XC1H101J	C 100PF, J, 50V	1	
C1003,04	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C1010	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1101	ECJ2XC1H101J	C 100PF, J, 50V	1	
C1102	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C1103	ECA1CM101	E 100UF, 16V	1	
C1104	ECA1CM221	E 220UF, 16V	1	
C1105,06	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C1107	ECA1CM221	E 220UF, 16V	1	
C1108	ECA1HM100	E 10UF, 50V	1	
C1109-11	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C1112	ECA1HM100	E 10UF, 50V	1	
C1113	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1114	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1116	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1117	EEVHB0G221	E 220UF, 4V	1	
C1118	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1119,20	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C1121	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C1122	ECJ2XC1H151J	C 150PF, J, 50V	1	
C1124	ECJ2XC1H101K	C 100PF, K, 50V	1	
C1125	ECJ2XC1H220J	C 22UF, J, 50V	1	
C1126	ECJ2XC1H221J	C 220PF, J, 50V	1	
C1127	ECJ2XC1H220J	C 22UF, J, 50V	1	
C1128	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1129	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1131	ECJ2XC1H221J	C 220PF, J, 50V	1	
C1132	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1134-36	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C1137	ECA1HM100	E 10UF, 50V	1	
C1138,39	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C1140	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C1141,42	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C1143	ECA1HM100	E 10UF, 50V	1	
C1144	ECJ2XC1H101K	C 100PF, K, 50V	1	
C1146	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1147	ECA1HM010	E 1UF, 50V	1	
C1149,50	ECA1HM4R7	E 4.7UF, 50V	2	
C1151	ECJ2XC1H221J	C 220PF, J, 50V	1	
C1152	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1153	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1154-57	ECJ2VF1H104Z	C 0.1UF, Z, 50V	4	
C1158	ECA1CM221	E 220UF, 16V	1	
C1159,60	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C1165-67	ECJ2XC1H221J	C 220PF, J, 50V	3	
C1168-70	ECJ2VF1H103Z	C 0.01UF, Z, 50V	3	
C1171	ECJ2XC1H101K	C 100PF, K, 50V	1	
C1172	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1174	ECJ2XC1H221J	C 220PF, J, 50V	1	
C1175	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1176	ECJ2XC1H221J	C 220PF, J, 50V	1	
C1177,78	ECJ2XC1H101K	C 100PF, K, 50V	2	
C1179	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1180	ECJ2XC1H101K	C 100PF, K, 50V	1	
C1260	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C1261	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1262,63	FLK1C3350002	C 33UF, Z, 50V	2	
C1264	ECA1CM101	E 100UF, 16V	1	
C1265	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1266	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C1267	ECA1HM470	E 47UF, 50V	1	
C1268	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C1269	ECA1HM470	E 47UF, 50V	1	
C1270	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1271	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C1272	ECJ2XB1H563K	C 0.056UF, K, 50V	1	
C1273,74	ECJ2XC1H330J	C 33PF, J, 50V	2	
C1275	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C1276	TCUY1C225KBM	C 2.2UF, 16V	1	FLK1C225A026
C1277	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C1301	EEVHB1C100	E 10UF, 16V	1	
C1302	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C1303	EEVHB0G101	E 100UF 4V	1	
C1304-06	ECJ1XB0J105K	C 1UF, K, 16V	3	
C1307	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C1308-10	ECJ1XB0J105K	C 1UF, K, 16V	3	
C1311	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C1312	EEVHB0J470	E 47UF, 6.3V	1	
C1313-15	ECJ1XC1H181J	C 180PF, J, 50V	3	
C1317	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C1320	ECJ1XC1H561J	C 560PF, J, 50V	1	
C1321	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C1322	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C1324,25	ECJ1XC1H561J	C 560PF, J, 50V	2	
C1329-33	ECJ1XB0J105K	C 1UF, K, 16V	5	
C1336	ECJ1XB0J105K	C 1UF, K, 16V	1	
C1337	EEVHB1C100	E 10UF, 16V	1	
C1338,39	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C1340	EEVHP1C100R	E 10UF, 16V	1	
C1341	EEFCD0G560R	56UF,	1	
C1343	ECJ1XB0J105K	C 1UF, K, 16V	1	
C1344	EEVHP1C100R	E 10UF, 16V	1	
C1345-65	ECJ1XB0J105K	C 1UF, K, 16V	21	
C1366	EEVHB0G221	E 220UF, 4V	1	
C1367,68	ECJ1XB0J105K	C 1UF, K, 16V	2	
C1369	ECJ1VB1C104K	C 0.1UF, K, 16V	1	
C1370	EEVHB1C100	E 10UF, 16V	1	
C1371-75	ECJ1XB0J105K	C 1UF, K, 16V	5	
C1376	EEVHB0G221	E 220UF, 4V	1	
C1377-81	ECJ1XB0J105K	C 1UF, K, 16V	5	
C1382	ECJ1XC1H100D	C 10PF, D, 50V	1	
C1383	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C1384	ECJ1XC1H150J	C 15PF, J, 50V	1	
C1385	EEVHB1C100	E 10UF, 16V	1	
C1386,87	ECJ1XB0J105K	C 1UF, K, 16V	2	
C1388	ECJ1XC1H681J	C 680PF, J, 50V	1	ECJ1VC1H681J
C1389-92	ECJ1XB0J105K	C 1UF, K, 16V	4	
C1393	ECJ1VB1C104K	C 0.1UF, K, 16V	1	
C1394-96	ECJ1XB0J105K	C 1UF, K, 16V	3	
C1397,98	ECJ1VB1C104K	C 0.1UF, K, 16V	2	
C1399,00	ECJ1XB0J105K	C 1UF, K, 16V	2	
C1401	ECJ1VB1C104K	C 0.1UF, K, 16V	1	
C1402,03	ECJ1XB0J105K	C 1UF, K, 16V	2	
C1404	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1405	EEVHB0G221	E 220UF, 4V	1	
C1406-09	ECJ1XB0J105K	C 1UF, K, 16V	4	
C1410	ECJ1VB1H153K	C 0.15UF, K, 50V	1	
C1411	ECJ1XC1H680J	C 68PF, J, 50V	1	
C1412	TCUY0J335MBM	C 3.3UF, 6.3V	1	FLK0J335A003
C1414	EEVHB1C100	E 10UF, 16V	1	
C1415	ECJ1XC1H330J	C 33PF, J, 50V	1	
C1416,17	ECJ1VB1C104K	C 0.1UF, K, 16V	2	
C1418	EEVHB0G221	E 220UF, 4V	1	
C1419,20	ECJ1VB1C104K	C 0.1UF, K, 16V	2	
C1421	ECJ1XB0J105K	C 1UF, K, 16V	1	
C1422	ECJ1XC1H680J	C 68PF, J, 50V	1	
C1423	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C1424	ECJ1XC1H330J	C 33PF, J, 50V	1	
C1425	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C1426	EEVHP1E4R7	E 4.7UF, 25V	1	
C1428	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C1429	ECJ1VC1H270J	C 27PF, J, 50V	1	
C1430	ECJ1VC1H120J	C 12PF, J, 50V	1	
C1432	ECJ1VC1H120J	C 12PF, J, 50V	1	
C1435,36	EEVHP1C100R	E 10UF, 16V	2	
C1437-47	ECJ2VF1C105Z	C 1UF, Z, 16V	11	
C1448	EEVHB0G221	E 220UF, 4V	1	
C1449	ECJ1XB0J105K	C 1UF, K, 16V	1	
C1450,51	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C1452	EEVHB0G221	E 220UF, 4V	1	
C1453	ECJ1XB0J105K	C 1UF, K, 16V	1	
C1454-58	ECJ2VF1C105Z	C 1UF, Z, 16V	5	
C1460-63	ECJ2VF1C105Z	C 1UF, Z, 16V	4	
C1464	ECJ1VB1C104K	C 0.1UF, K, 16V	1	
C1466	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P
C1468,69	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C1470	EEFCD0G560R	56UF	1	
C1471	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C1473,74	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C1475,76	ECJ1XB0J105K	C 1UF, K, 16V	2	
C1802	ECA1CEN220	E 22UF, 16V	1	ECA1CEN220B
C1803	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C1804	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1805	ECA1HM4R7	E 4.7UF, 50V	1	
C2001-03	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C2006	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2007	ECA1HM100	E 10UF, 50V	1	
C2009	ECJ2XC1H560J	C 56PF, J, 50V	1	
C2010	ECJ2XC1H010C	C 1PF, C, 50V	1	
C2011	ECJ2XC1H560J	C 56PF, J, 50V	1	
C2012	ECJ2XC1H470J	C 47PF, J, 50V	1	
C2013	ECJ2XC1H070D	C 7PF, D, 50V	1	
C2014	ECJ2XC1H470J	C 47PF, J, 50V	1	
C2015	ECJ2XC1H010C	C 1PF, C, 50V	1	
C2016	ECA1CM101	E 100UF, 16V	1	
C2017	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2018	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C2019	ECA1HM100	E 10UF, 50V	1	
C2020	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2021-24	ECJ2VF1C105Z	C 1UF, Z, 16V	4	
C2025	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2026	ECA1CM101	E 100UF, 16V	1	
C2027	ECA1HM4R7	E 4.7UF, 50V	1	
C2028	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2030	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C2031	EEVHP1E100	E 10UF, 25V	1	
C2032	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2033	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2034	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C2035	ECA1CM100	E 10UF, 16V	1	
C2036-38	ECJ2VF1H103Z	C 0.01UF, Z, 50V	3	
C2041	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C2044-46	ECJ2XC1H221J	C 220PF, J, 50V	3	
C2050-55	ECA1HM100	E 10UF, 50V	6	
C2056	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026
C2304	ECA1CM101	E 100UF, 16V	1	
C2305	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2306,07	ECA1HM100	E 10UF, 50V	2	
C2308	ECA1CM100	E 10UF, 16V	1	
C2309	ECJ2YB1E224K	C 0.22UF, K, 25V	1	
C2311-13	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C2352,53	TCUY1C225KBM	C 2.2UF, 16V	2	F1K1C225A026
C3001-12	ECJ2XC1H561J	C 560PF, J, 50V	12	
C3013-15	ECJ2XB1H102K	C 1000PF, K, 50V	3	
C3016-18	ECJ2XC1H220J	C 22UF, J, 50V	3	
C3019-26	ECA1HM100	E 10UF, 50V	8	
C3027-31	ECJ2VF1H104Z	C 0.1UF, Z, 50V	5	
C3032-37	ECJ2VF1C105Z	C 1UF, Z, 16V	6	
C3038	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3039	ECA1CM101	E 100UF, 16V	1	
C3040	ECA1CM470	E 47UF, 16V	1	ECA1CM470B
C3041-43	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C3044	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3045	ECA1CM471	E 470UF, 16V	1	
C3046	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3047	ECA1CM221	E 220UF, 16V	1	
C3048	ECA1CM471	E 470UF, 16V	1	
C3050	ECA1CM101	E 100UF, 16V	1	
C3051	ECA1CM471	E 470UF, 16V	1	
C3053	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3054	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3056,57	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3059-63	ECJ2VF1C105Z	C 1UF, Z, 16V	5	
C3065	ECA1CM101	E 100UF, 16V	1	
C3066-68	ECJ2VF1C105Z	C 1UF, Z, 16V	3	
C3070	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3071	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3072	ECA1CM101	E 100UF, 16V	1	
C3073,74	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3076	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3078	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3080,81	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3085-91	ECJ2VF1C105Z	C 1UF, Z, 16V	7	
C3092	EEVHP0J470	E 47UF, 6.3V	1	
C3094	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3101	ECA1HM470	E 47UF, 50V	1	
C3102,03	ECA1HM100	E 10UF, 50V	2	
C3104-06	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C3107	ECA1HM470	E 47UF, 50V	1	
C3314	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3350	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3351	TCUY1C225KBM	C 2.2UF, 16V	1	F1K1C225A026

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3352,53	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C3354	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C3355	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C3356	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C3357	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3358	ECA1HM470	E 47UF, 50V	1	
C3359	ECJ2XC1H152J	C 1500PF, J, 50V	1	
C3360	ECJ2XC1H101J	C 100PF, J, 50V	1	
C3361	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3362	ECA1HM470	E 47UF, 50V	1	
C3401-03	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C3404	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3407	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3408-10	ECJ2XC1H070D	C 7PF, D, 50V	3	
C3415-17	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C3419-25	ECJ2VF1H104Z	C 0.1UF, Z, 50V	7	
C3426,27	EEVHB1C470	E 47UF, 16V	2	EEVHB1C470P
C3428,29	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C3430	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3431	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3432	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3433,34	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C3437,38	ECA1CM101	E 100UF, 16V	2	
C3439,40	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C3447-49	ECJ2VF1C105Z	C 1UF, Z, 16V	3	
C3450	EEVHP0J470	E 47UF, 6.3V	1	
C3451,52	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3453-55	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C3456-58	ECJ2VF1C105Z	C 1UF, Z, 16V	3	
C3459	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3460	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3462	EEVHP1E220P	E 22UF, 25V	1	
C3463	EEVHB1H4R7	E 4.7UF, 50V	1	
C3464	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3465	EEVHB1H4R7	E 4.7UF, 50V	1	
C3466,67	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3468	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3469	ECJ2VF1C474Z	C 0.47UF, Z, 16V	1	
C3470-72	ECJ2VF1H103Z	C 0.01UF, Z, 50V	3	
C3473	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3474	EEVHB1C470	E 47UF, 16V	1	EEVHB1C470P
C3475	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3476-78	ECJ2VF1C105Z	C 1UF, Z, 16V	3	
C3479-81	TCUY0J335MBM	C 3.3UF, 6.3V	3	F1K0J335A003
C3482-84	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C3485	ECA1CM101	E 100UF, 16V	1	
C3486	ECJ2XF1C154Z	C 0.15UF, Z, 16V	1	
C3487,88	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C3489	ECA1HM470	E 47UF, 50V	1	
C3490	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3491	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3492-94	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C3495	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C3496,97	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3498	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3701-03	ECA1CM471	E 470UF, 16V	3	
D001	MA152K	DIODE	1	MA3X152K
D002,03	MA4020	ZENER DIODE	2	MAZ4020
D801	ERZV10V621P2	VARISTOR	1	
D806	D3SB60	DIODE	1	BOEBMR000001
D808	ERZV10D621CS	VARISTOR	1	
D810	TVSC0510	DIODE	1	B0AAMV000004
D811,12	B0BA200A0010	DIODE	2	
D813	TVSC0510	DIODE	1	B0AAMV000004
D814	TVSSR2KL	DIODE	1	B0ZAZ0000044
D815	RY24	DIODE	1	
D816	MA2082-A	ZENER DIODE	1	MAZ20820A
D817	ERA22-10	DIODE	1	B0EAEV000002
D818	ON3171R	PHOTO COUPLER	1	CNC18171R △
D819	MA165	DIODE	1	MA2C165
D820	EU02	DIODE	1	
D821	MA4068M	ZENER DIODE	1	MAZ40680M
D822	D1NL40V70	DIODE	1	B0HALP000002
D823	MA113	DIODE	1	MA2J113
D824	MA111	DIODE	1	MA2J111
D825	MA4056H	ZENER DIODE	1	MAZ40560H
D826	D1NL40V70	DIODE	1	B0HALP000002
D829	TVSRU1P	DIODE	1	B0HAFV000001
D830	ON3171R	PHOTO COUPLER	1	CNC18171R △
D832	D1NL20UV70	DIODE	1	B0HAMM000072
D840,41	MA8330M	ZENER DIODE	2	MAZ83300M
D842,43	MA111	DIODE	2	MA2J111
D844	MA113	DIODE	1	MA2J113
D845	MA8110M	ZENER DIODE	1	MAZ81100ML
D846	MA4068M	ZENER DIODE	1	MAZ40680M
D847	MA4033M	ZENER DIODE	1	MAZ40330M
D848	MA4047M	ZENER DIODE	1	MAZ40470M
D849	MA8047M	ZENER DIODE	1	MAZ80470M
D850	MA152K	DIODE	1	MA3X152K
D851	B0JBRK000005	DIODE	1	
D852,53	MA152K	DIODE	2	MA3X152K
D859-63	MA152K	DIODE	5	MA3X152K
D864,65	EK14	DIODE	2	B0JAMB000061
D868	MA4033M	ZENER DIODE	1	MAZ40330M
D873	MA3140M	ZENER DIODE	1	MAZ31400M
D874-77	MA3120M	ZENER DIODE	4	MAZ31200M
D878-82	MA152K	DIODE	5	MA3X152K
D884	MA152K	DIODE	1	MA3X152K
D890-92	MA111	DIODE	3	MA2J111
D894	MA111	DIODE	1	MA2J111
D1001	LNH101WHKAF4	LED	1	
D1002	MA3140M	ZENER DIODE	1	MAZ31400M
D1102,03	MA111	DIODE	2	MA2J111
D1201	MA111	DIODE	1	MA2J111
D1301	MA111	DIODE	1	MA2J111
D2001,02	MA111	DIODE	2	MA2J111
D2010,11	MA111	DIODE	2	MA2J111
D3001-09	MA3140M	ZENER DIODE	9	MAZ31400M
D3010-21	MA111	DIODE	12	MA2J111
D3022-26	MA3140M	ZENER DIODE	5	MAZ31400M
D3039	MA3140M	ZENER DIODE	1	MAZ31400M
D3150,51	MA4068M	ZENER DIODE	2	MAZ40680M
D3181-84	MA3140M	ZENER DIODE	4	MAZ31400M
D3401	MA152K	DIODE	1	MA3X152K
D3403-06	MA3140M	ZENER DIODE	4	MAZ31400M
F801	XBA2C31TH15	FUSE	1	K5D312BN0002 △

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC001	C0ZBZ0000443	IC	1	
IC801	C5HABZZ00105	HIC	1	
IC802	MIP0254SPSCF	INTEGRATED CIRCUIT	1	
IC806	SE015N	IC	1	C0EAS0000011
IC840	AN78L05M	LINEAR IC	1	
IC841	PQ30RV21A	LINEAR IC	1	C0DAEZH00008
IC842	SI-3033C	HYBRID IC	1	C0DAEGG00007
IC860	PQ1CZ21H2ZP	IC	1	C0DBCMG00001
IC861	SI-8050S	HYBRID IC	1	C0DAAHH00013
IC862	PQ07VZ012ZP	IC	1	C0DBEZG00004
IC863	PQ30RV21A	LINEAR IC	1	C0DAEZH00008
IC864	AN78L12M	LINEAR IC	1	
IC865	AN77L08M	IC	1	
IC890	S-80843ALY-Z	LINEAR IC	1	C0EAAH000067
IC1101	C2CBYF000028	IC	1	
IC1102	TVRH018-4	IC	1	
IC1103	PS79128NR	IC (LOGIC)	1	C0EBE0000066
IC1104	TC7MBD3245KL	IC	1	C0JBAZ001839
IC1107	TVRH017-4	IC	1	
IC1108	TVSA0500	IC	1	C3ABMG000074
IC1260	C0ZBZ0000205	IC	1	
IC1262	M51957BFP	LINEAR IC	1	C0EBB0000024
IC1301	C0DBZLB00001	IC	1	
IC1302	PQ07VZ012ZP	IC	1	C0DBEZG00004
IC1303	C3HBKZ000001	IC	1	
IC1304	C1EBZ0001989	IC	1	
IC1305	C0CBCAD00006	IC	1	
IC1307	C1AB00001310	IC	1	
IC1801	TC74HC4053AF	MOS IC (CMOS S/LOGIC)	1	C0JBAR000130
IC2001	TVSA0431	IC	1	
IC2301	AN17880A	IC	1	
IC3001	TDA8601T/C1	IC	1	
IC3002	CXA2069Q	LINEAR IC	1	C1AB00000459
IC3350	M52036SP	LINEAR IC	1	C1AA00000392
IC3351	C0JBAR000298	IC	1	
IC3402	AN5394FB	IC	1	
IC3403	AN5870K	IC	1	
IC3404	TDA8601T/C1	IC	1	
IC3801	C2BBFE000121	IC	1	
JK3001-03	K1FB121B0007	CONNECTOR	3	
JK3004	K2HA204B0118	JACK	1	
JK3010	K2HA103B0021	JACK	1	
JK3011	K2HA406B0019	JACK	1	
JK3407	K2HC103A0014	EARPHONE JACK	1	
JK3408	K1U413A00003	CONNECTOR UNIT	1	
JK3701	K1FB126B0014	CONNECTOR	1	
JS001	ERJ6GEY0R00	M 0 OHM, J, 1/10W	1	
JS010-13	ERJ6GEY0R00	M 0 OHM, J, 1/10W	4	
JS803-10	ERJ6GEY0R00	M 0 OHM, J, 1/10W	8	
JS1110,11	ERJ6GEY0R00	M 0 OHM, J, 1/10W	2	
JS1120-25	ERJ6GEY0R00	M 0 OHM, J, 1/10W	6	
JS1302-08	ERJ3GEY0R00	M 0 OHM, 1/16W	7	
JS1318-37	ERJ3GEY0R00	M 0 OHM, 1/16W	20	
JS1339	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS1349-52	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
JS1354	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS2002-04	ERJ6GEY0R00	M 0 OHM, J, 1/10W	3	
JS3009-11	ERJ6GEY0R00	M 0 OHM, J, 1/10W	3	
JS3401,02	ERJ6GEY0R00	M 0 OHM, J, 1/10W	2	
L001	ERDS2TC0	C 0 OHM, 1/4W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L002,03	G1C121Z00004	INDUCTOR COIL	2	
L004,05	ELJPA220KF	CHIP INDUCTOR	2	
L006	ELLELN101KA	CHIP INDUCTOR	1	
L008	ELJPA330KF	CHIP INDUCTOR	1	
L009	G1ZZ00000032	INDUCTION COIL	1	
L801	ELF18N006A	LINE FILTER	1	△
L804	EXCELSA35	BEAD CHOKE	1	
L807	TALL08N181KA	CHIP INDUCTOR COIL	1	G0A181EA0008
L815	EXCELSA39	BEAD CHOKE	1	
L818	EXCELSA39	BEAD CHOKE	1	
L851	TALL08N680KA	INDUCTION COIL	1	G0A680GA0011
L861	TALL08N220KA	INDUCTION COIL	1	G0C220K00013
L871	ERD25V0R00	C 0 OHM, 1/4W	1	
L875	TAL10RF181LB	INDUCTION COIL	1	G0ZZ00001931
L876	TALL08N470KA	INDUCTION COIL	1	G0A470GA0011
L880	TLPP094	CHOKE COIL	1	G0A151GA0001
L881	ERD25V0R00	C 0 OHM, 1/4W	1	
L886	ERD25V0R00	C 0 OHM, 1/4W	1	
L1001,02	EXCELD35C	BEAD CHOKE	2	
L1106	TALC325T3R3M	CHIP INDUCTOR COIL	1	
L1107	TALC325T4R7M	CHIP INDUCTOR COIL	1	
L1111	EXCELD35C	BEAD CHOKE	1	
L1260,61	ELJPA100KB	CHIP INDUCTOR	2	
L1301	TALC325T4R7M	CHIP INDUCTOR COIL	1	
L1302	ELJPA100KB	CHIP INDUCTOR	1	
L1303	TALC168T1R5K	CHIP INDUCTOR COIL	1	G1C1R5K00004
L1305,06	TALC168T1R5K	CHIP INDUCTOR COIL	2	G1C1R5K00004
L1307-09	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
L1310	TALC325T4R7M	CHIP INDUCTOR COIL	1	
L1311	J0JGC0000021	CHIP INDUCTOR COIL	1	
L1316	J0JGC0000021	CHIP INDUCTOR COIL	1	
L1317-25	TALC325T4R7M	CHIP INDUCTOR COIL	9	
L1327	TALC325T4R7M	CHIP INDUCTOR COIL	1	
L2002	ELESE6R8KA	PEAKING COIL	1	
L2005,06	EXCELD35C	BEAD CHOKE	2	
L2007,08	G1C121Z00004	INDUCTOR COIL	2	
L2301-03	G1C121Z00004	INDUCTOR COIL	3	
L2305	ELJPA100KB	CHIP INDUCTOR	1	
L3001-17	G1C121Z00004	INDUCTOR COIL	17	
L3018	ELESE221KA	PEAKING COIL	1	
L3019	ERDS2TC0	C 0 OHM, 1/4W	1	
L3101,02	G1C121Z00004	INDUCTOR COIL	2	
L3350	ELJPA100KB	CHIP INDUCTOR	1	
L3401-05	G1C121Z00004	INDUCTOR COIL	5	
L3406	ELESN221KA	BEAD CHOKE	1	EXCELD35C
L3407	ELJPA100KB	CHIP INDUCTOR	1	
L3410	EXCELD35C	BEAD CHOKE	1	
L3450,51	G1C121Z00004	INDUCTOR COIL	2	
LC001	ELKE103FA	NOISE FILTER	1	
LC1101-08	ELKE103FA	NOISE FILTER	8	
LC1301-04	ELKE103FA	NOISE FILTER	4	
LC2001,02	ELKE103FA	NOISE FILTER	2	
Q006	2SB709A	TRANSISTOR	1	2SB0709A
Q804	2SC3311A	TRANSISTOR	1	2SC3311AW
Q805	2SB1219A	TRANSISTOR	1	
Q840,41	B1BAAP000004	TRANSISTOR	2	
Q851,52	2SD601A	TRANSISTOR	2	2SD0601A
Q860,61	2SD601A	TRANSISTOR	2	2SD0601A
Q862	UN5211	TRANSISTOR	1	UNR5211

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q890,91	2SB709A	TRANSISTOR	2	2SB0709A
Q1001,02	UN5211	TRANSISTOR	2	UNR5211
Q1101	2SD601A	TRANSISTOR	1	2SD0601A
Q1103-05	2SD601A	TRANSISTOR	3	2SD0601A
Q1107,08	2SD601A	TRANSISTOR	2	2SD0601A
Q1110,11	2SD601A	TRANSISTOR	2	2SD0601A
Q1260	2SD601A	TRANSISTOR	1	2SD0601A
Q1261	2SB709A	TRANSISTOR	1	2SB0709A
Q1262	2SD601A	TRANSISTOR	1	2SD0601A
Q1264	2SB709A	TRANSISTOR	1	2SB0709A
Q1265	2SD601A	TRANSISTOR	1	2SD0601A
Q1301-03	2SC2412K	TRANSISTOR	3	B1ABCF000011
Q1304-06	2SB709A	TRANSISTOR	3	2SB0709A
Q1310	2SB709A	TRANSISTOR	1	2SB0709A
Q1312	2SK198R	FET	1	2SK01980R
Q1313,14	2SB709A	TRANSISTOR	2	2SB0709A
Q1317	2SD1030	TRANSISTOR	1	
Q1319	2SD1030	TRANSISTOR	1	
Q1321	2SD1030	TRANSISTOR	1	
Q1800-02	2SD601A	TRANSISTOR	3	2SD0601A
Q1803-05	2SB709A	TRANSISTOR	3	2SB0709A
Q2001-03	2SD601A	TRANSISTOR	3	2SD0601A
Q2010	2SB709A	TRANSISTOR	1	2SB0709A
Q2011-14	2SD601A	TRANSISTOR	4	2SD0601A
Q2015	2SB709A	TRANSISTOR	1	2SB0709A
Q2016,17	2SD601A	TRANSISTOR	2	2SD0601A
Q2018,19	2SB709A	TRANSISTOR	2	2SB0709A
Q2020,21	2SD601A	TRANSISTOR	2	2SD0601A
Q2302	2SD601A	TRANSISTOR	1	2SD0601A
Q2303	UN5111	TRANSISTOR	1	UNR5111
Q2304	UN5211	TRANSISTOR	1	UNR5211
Q3007-10	2SB709A	TRANSISTOR	4	2SB0709A
Q3011	2SD601A	TRANSISTOR	1	2SD0601A
Q3014,15	2SD601A	TRANSISTOR	2	2SD0601A
Q3102-04	2SD601A	TRANSISTOR	3	2SD0601A
Q3151	2SD601A	TRANSISTOR	1	2SD0601A
Q3404-06	2SD601A	TRANSISTOR	3	2SD0601A
Q3407	UN5211	TRANSISTOR	1	UNR5211
Q3410-15	2SD601A	TRANSISTOR	6	2SD0601A
Q3416	2SB709A	TRANSISTOR	1	2SB0709A
R001	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R002	ERJ6GEYJ683	M 68KOHM, J, 1/10W	1	
R004	ERJ6GEYJ683	M 68KOHM, J, 1/10W	1	
R005,06	ERJ6GEY0R00	M 0 OHM, J, 1/10W	2	
R007	ERJ6GEYJ393	M 39KOHM, J, 1/10W	1	
R008,09	ERJ6GEY0R00	M 0 OHM, J, 1/10W	2	
R010	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R801	ERC12ZGK335	S 3.3MOHM, K, 1/2W	1	△
R804	ERF5AK1R8	W 1.8 OHM, 5W	1	
R807	ERG2FJS223D	M 22KOHM, J, 2W	1	
R808	ERF2AJ560	W 56 OHM, J, 2W	1	
R810	ERK2SJR47	M0.47 OHM, 2W	1	ERK2SJWR47E
R811	ERGLFJS273D	M 27KOHM, J, 1W	1	
R812	ERG2FJS223D	M 22KOHM, J, 2W	1	
R813	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R814	ERF2AK3R3P	W 3.3 OHM, K, 2W	1	
R816	ERK2SJR47	M0.47 OHM, 2W	1	ERK2SJWR47E

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R817	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	1	
R818	ERJ6GEYJ681	M 680 OHM, J, 1/10W	1	
R819	ERJ12YJ124	M 120KOHM, 1/2W	1	ERJ12YJ124H
R820	ERJ12YJ563	M 56KOHM, 1/2W	1	ERJ12YJ563H
R821	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R822	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R823	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R824	ERJ12YJ204H	M 200KOHM, 1/2W	1	
R825	ERJ12YJ274H	M 270KOHM, 1/2W	1	
R826	ERJ6GEYJ683	M 68KOHM, J, 1/10W	1	
R829	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R830	ERG3FJ8104D	M 100KOHM, J, 3W	1	
R831	ERJ12YJ5R6H	M 5.6 OHM, 1/2W	1	
R835	ERJ12YJ5R6H	M 5.6 OHM, 1/2W	1	
R840,41	ERJ12YJ204H	M 200KOHM, 1/2W	2	
R842	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R845	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R850	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R851,52	ERJ6GEYJ223	M 22KOHM, J, 1/10W	2	
R853	ERJ6ENF4321	M4.32KOHM, 1/10W	1	
R854	ERJ6ENF3901	M 3.9KOHM, 1/10W	1	
R855,56	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	2	
R861	ERJ6ENF1301	M 1.3KOHM, 1/10W	1	
R863	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R864	ERJ6ENF3901	M 3.9KOHM, 1/10W	1	
R865	ERJ6ENF8451	M8.45KOHM, 1/10W	1	
R867	ERJ6ENF1651	M1.65KOHM, 1/10W	1	
R868	ERJ6ENF3901	M 3.9KOHM, 1/10W	1	
R869	ERJ6GEYOR00	M 0 OHM, J, 1/10W	1	
R871	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	
R872	ERG2FJ8330D	M 33 OHM, J, 2W	1	
R873	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	
R874	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R875	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R876	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R877	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R878	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R879	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R880	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R881	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R882	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R883	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R884	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R885	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R886	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R887	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R889	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R890	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R891	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R892	ERJ6GEYJ124	M 120KOHM, J, 1/10W	1	
R893	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R894	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R895	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R897,98	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	2	
R899	ERJ6GEYJ123	M 12KOHM, J, 1/10W	1	
R1001	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	1	
R1002	ERJ6GEYJ681	M 680 OHM, J, 1/10W	1	
R1010	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	1	
R1011	ERJ6GEYJ123	M 12KOHM, J, 1/10W	1	
R1012	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R1013	ERJ6GEYJ683	M 68KOHM, J, 1/10W	1	
R1101	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R1103	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R1104	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R1105	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R1106	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R1107,08	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R1110	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R1111,12	EXB38V680J	RESISTOR ARRAY	2	
R1114	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R1115	ERJ6GEYOR00	M 0 OHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1116	EXB38V680J	RESISTOR ARRAY	1	
R1117,18	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R1119	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R1120	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R1121	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R1122	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R1126	ERJ6GEYJ225	M 2.2MOHM, J, 1/10W	1	
R1127	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R1128	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R1130	EXB38V680J	RESISTOR ARRAY	1	
R1131	ERJ6GEYJ563	M 56KOHM, J, 1/10W	1	
R1132	ERJ6GEYOR00	M 0 OHM, J, 1/10W	1	
R1134	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R1135	ERJ6GEYJ273	M 27KOHM, J, 1/10W	1	
R1136	ERJ6GEYOR00	M 0 OHM, J, 1/10W	1	
R1137	EXB38V680J	RESISTOR ARRAY	1	
R1139	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R1141	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R1142	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R1143	EXB38V680J	RESISTOR ARRAY	1	
R1145	ERJ6GEYJ391	M 390 OHM, J, 1/10W	1	
R1146	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R1147	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R1148	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R1149	EXB38V680J	RESISTOR ARRAY	1	
R1150	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R1151	ERJ6GEYOR00	M 0 OHM, J, 1/10W	1	
R1152	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R1153	EXB38V680J	RESISTOR ARRAY	1	
R1154	ERJ6GEYOR00	M 0 OHM, J, 1/10W	1	
R1155	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R1156	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R1157	ERJ6GEYOR00	M 0 OHM, J, 1/10W	1	
R1158,59	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R1160	EXB38V680J	RESISTOR ARRAY	1	
R1161	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R1162	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R1163,64	ERJ6GEYJ220	M 22 OHM, J, 1/10W	2	
R1166	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R1167,68	ERJ6GEYJ220	M 22 OHM, J, 1/10W	2	
R1169	ERJ6GEYJ273	M 27KOHM, J, 1/10W	1	
R1170	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	1	
R1171	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R1172,73	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R1174,75	EXB38V680J	RESISTOR ARRAY	2	
R1176	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R1177,78	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R1179	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R1180-82	ERJ6GEYJ101	M 100 OHM, J, 1/10W	3	
R1184	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R1186	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	
R1187,88	ERJ6GEYJ220	M 22 OHM, J, 1/10W	2	
R1189,90	ERJ6GEYJ473	M 47KOHM, J, 1/10W	2	
R1191	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R1192	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R1193	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R1195-98	ERJ6GEYJ223	M 22KOHM, J, 1/10W	4	
R1199,00	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R1201,02	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R1203-06	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R1210	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R1212	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1215,16	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R1219,20	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	2	
R1240,41	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R1250-52	ERJ6GEY0R00	M 0 OHM,J,1/10W	3	
R1253	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R1254	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R1256	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R1257	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R1260	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R1261	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R1262	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R1263,64	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R1265	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R1266,67	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R1268,69	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R1271,72	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R1273-78	ERJ6GEYJ103	M 10KOHM,J,1/10W	6	
R1279	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1280	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R1281	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R1282	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R1283	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R1284-86	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R1287,88	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R1289	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R1290	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1291	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R1292	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R1293	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R1294	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R1295	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R1296-99	ERJ6GEY0R00	M 0 OHM,J,1/10W	4	
R1301-03	EXB38V680J	RESISTOR ARRAY	3	
R1304	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	
R1305	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R1306	ERJ6ENF15R0	M 15 OHM, 1/10W	1	
R1307,08	ERJ3GEYJ680	M 68 OHM,J,1/16W	2	ERJ3GEYJ680V
R1309,10	ERJ3GEYJ470	M 47 OHM,J,1/16W	2	
R1312	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1315	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R1317	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R1319	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R1321-23	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R1324	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1325,26	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1327,28	ERJ3EKF1501	M 1.5KOHM, 1/16W	2	
R1330-32	ERJ3EKF3900	M 390 OHM, 1/16W	3	
R1333-35	ERJ3GEYJ681	M 680 OHM,J,1/16W	3	
R1336-38	EXB38V680J	RESISTOR ARRAY	3	
R1339,40	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1341	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	D0GB101JA002
R1342	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R1343	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1348	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1349,50	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R1354	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	D0GB101JA002
R1355,56	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1357	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R1358	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R1359	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R1360	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	D0GB101JA002
R1361	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1362	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R1363-65	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	D0GB101JA002
R1366-68	ERJ3EKF2701	M 2.7KOHM, 1/16W	3	
R1369,70	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R1371	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R1372	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R1373,74	ERJ3EKF1001	M 1KOHM, 1/16W	2	
R1375	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R1376	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R1377	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1379	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R1381,82	ERJ3EKF1401	M 1.4KOHM, 1/16W	2	
R1383	ERJ6ENF56R0	M 56 OHM, 1/10W	1	
R1384	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R1385,86	ERJ3EKF1401	M 1.4KOHM, 1/16W	2	
R1387,88	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R1389	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R1390	ERJ6ENF2431	M 2.43KOHM, 1/16W	1	
R1391	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R1392-94	ERJ6ENF56R0	M 56 OHM, 1/10W	3	
R1396	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R1397,98	ERJ6ENF8200	M 820 OHM, 1/10W	2	
R1399	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R1400	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R1401,02	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R1404	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R1405	ERJ6ENF56R0	M 56 OHM, 1/10W	1	
R1406	ERJ6ENF1000	M 100OHM, 1/16W	1	
R1407	ERJ6ENF91R0	M 91 OHM, 1/10W	1	
R1408	ERJ6ENF68R0	M 68 OHM, 1/10W	1	
R1409,10	ERJ3EKF82R0	M 82 OHM, 1/16W	2	
R1411	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1412	ERJ3EKF82R0	M 82 OHM, 1/16W	1	
R1413,14	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1415	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R1416	ERJ3GEYJ821	M 820 OHM,J,1/16W	1	
R1419	ERJ6ENF47R0	M 47 OHM, 1/10W	1	
R1420	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1423	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1424,25	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1426	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1429	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1430,31	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1432	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1435	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1436,37	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1438	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R1439	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R1440	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R1441	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1801,02	ERJ6GEYJ333	M 33KOHM,J,1/10W	2	
R1803	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R1804	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R1805	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R1806	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R1807	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R1808	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R1809-11	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	3	
R1812	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R1813,14	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R1815	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R1816	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R1817,18	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R2001	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2002	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R2003	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2005,06	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	2	
R2007	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2008	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2009	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R2010	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2011	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2015,16	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R2017	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2019	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2020,21	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R2023	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R2024	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2025	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R2029,30	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R2033	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2034	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2035	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R2050	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2051	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2052	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2053,54	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R2055	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2056	ERJ6GEYJ181	M 180 OHM,J,1/10W	1	
R2057	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2058	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2059-61	ERJ6GEYJ181	M 180 OHM,J,1/10W	3	
R2062	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2063	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2064	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	
R2065	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2066	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2067	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	
R2068	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2069	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2070	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2071	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	
R2072	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2073	ERJ6GEYJ181	M 180 OHM,J,1/10W	1	
R2074	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2075	ERJ6GEYJ181	M 180 OHM,J,1/10W	1	
R2076	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	
R2077	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2078	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2079	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2080	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R2081	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R2082	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2083	ERJ6GEYJ683	M 68KOHM,J,1/10W	1	
R2084	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2304,05	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R2306,07	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R2308,09	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R2310,11	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R2312,13	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R2314,15	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R2316-18	ERJ6GEYJ2R2	M 2.2 OHM,J,1/10W	3	ERJ6GEYJ2R2V
R3001-05	ERJ6GEY0R00	M 0 OHM,J,1/10W	5	
R3006,07	ERJ6ENF75R0	M 75 OHM, 1/10W	2	
R3008	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3009,10	ERJ6ENF75R0	M 75 OHM, 1/10W	2	
R3011-13	ERJ6GEYJ223	M 22KOHM,J,1/10W	3	
R3014,15	ERJ6ENF75R0	M 75 OHM, 1/10W	2	
R3016	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3017,18	ERJ6GEYJ750	M 75 OHM,J,1/10W	2	
R3019-21	ERJ6GEYJ123	M 12KOHM,J,1/10W	3	
R3022	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3023	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3024	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3025	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3026,27	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R3028	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3029,30	ERJ6ENF75R0	M 75 OHM, 1/10W	2	
R3031,32	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3033	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3034	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3035	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3036	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3037	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3040	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3041	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3042,43	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R3044	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3045,46	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R3047	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3048-50	ERJ6GEYJ102	M 1KOHM,J,1/10W	3	
R3051	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3052,53	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R3058	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3059	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3064	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3066	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3068,69	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R3075	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3076,77	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3078	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3079	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R3080-82	ERJ6GEYJ221	M 220 OHM,J,1/10W	3	
R3083	ERJ14YJ331	M 330 OHM, J,1/4W	1	
R3085	ERJ14YJ331	M 330 OHM, J,1/4W	1	
R3087,88	ERJ6ENF5600	M 560 OHM, 1/10W	2	
R3089,90	ERJ6GEYJ750	M 75 OHM,J,1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3092	ERJ6GEYJ750	M 75 OHM,J,1/10W	1	
R3093	ERJ14YJ331	M 330 OHM, J,1/4W	1	
R3094	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3095	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	1	
R3096	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3097,98	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	2	
R3099	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3100	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R3101	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3102	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R3104	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3105	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R3107	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R3108	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3109	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3110	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3111	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R3112	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R3113	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R3114	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3115	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R3116	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3117,18	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	2	
R3119	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3120	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3121	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R3122	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3123	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R3124	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3125	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3126	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3127	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3128	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3129	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3140	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3141,42	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	2	
R3143	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R3144-47	ERJ6GEY0R00	M 0 OHM,J,1/10W	4	
R3154-59	ERJ6GEYJ333	M 33KOHM,J,1/10W	6	
R3160-62	ERJ6GEYJ101	M 100 OHM,J,1/10W	3	
R3164-66	ERJ6GEYJ471	M 470 OHM,J,1/10W	3	
R3182-84	ERJ6GEY0R00	M 0 OHM,J,1/10W	3	
R3186,87	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3188-90	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3191	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3350	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R3351	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R3352	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R3353,54	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R3355	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R3356	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3357	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3358	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R3359	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3360	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R3361,62	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R3363	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3364	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R3365	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R3366	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3396	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R3397	ERJ6GEYJ751	M 750 OHM,J,1/10W	1	
R3398	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3399	ERJ6GEYJ751	M 750 OHM,J,1/10W	1	
R3400	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R3401	ERJ6GEYJ751	M 750 OHM,J,1/10W	1	
R3402	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3403	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3407-10	ERJ6GEY0R00	M 0 OHM,J,1/10W	4	
R3411,12	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R3413	ERJ6ENF4990	M 499 OHM, 1/10W	1	
R3414	ERJ6ENF4640	M 464 OHM, 1/10W	1	
R3415	ERJ6ENF4990	M 499 OHM, 1/10W	1	
R3416	ERJ6ENF4640	M 464 OHM, 1/10W	1	
R3417-21	ERJ6GEYJ221	M 220 OHM,J,1/10W	5	
R3422	ERJ6GEYJ751	M 750 OHM,J,1/10W	1	
R3423	ERJ6GEYJ181	M 180 OHM,J,1/10W	1	
R3424	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3425	ERJ6GEYJ751	M 750 OHM,J,1/10W	1	
R3426,27	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3428	ERJ6GEYJ181	M 180 OHM,J,1/10W	1	
R3430	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3431	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3441,42	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R3445	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3447-49	ERJ6GEYJ101	M 100 OHM,J,1/10W	3	
R3450-55	ERJ6GEYJ333	M 33KOHM,J,1/10W	6	
R3456	ERJ6GEYJ751	M 750 OHM,J,1/10W	1	
R3457	ERJ6GEYJ181	M 180 OHM,J,1/10W	1	
R3458,59	ERJ6GEYJ471	M 470 OHM,J,1/10W	2	
R3460	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3461	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R3462	EXB38V101J	RESISTOR ARRAY	1	
R3463	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R3464	ERJ6ENF2002	M 20KOHM, 1/10W	1	
R3465	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3466	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R3468,69	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R3470	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R3471	ERJ6GEYJ274	M 270KOHM,J,1/10W	1	
R3473	ERJ6GEYJ684	M 680KOHM,J,1/10W	1	
R3474,75	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R3476	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R3477	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3478	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R3480	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R3481,82	ERJ6GEY0R00	M 0 OHM,J,1/10W	2	
R3483,84	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R3485	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R3487	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R3489	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R3491	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3493,94	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R3495-97	ERJ6GEY0R00	M 0 OHM,J,1/10W	3	
R3499	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
RL801	K6B1ADA00010	RELAY	1	△
RTL	TNAG105	CIRCUIT BOARD DG	1	△
RTL	TNPA2490	CIRCUIT BOARD P	1	△
RTL	TNPA2491	CIRCUIT BOARD H	1	△
RTL	TNPA2492	CIRCUIT BOARD J	1	△
RTL	TNPA2495	CIRCUIT BOARD G	1	△
RTL	TNPH0486	CIRCUIT BOARD A	1	△
RTL	TNPA2493	CIRCUIT BOARD K	1	△

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
S1010-14	EVQPC105K	SWITCH	5	
SW801	TSED0012	SWITCH	1	K0F122A00142
T801	G4D4A0000040	SWITCHING TRANS	1	△
T841	ETS19AB1N6AG	SWITCHING TRANS	1	△
TNR001	ENG29508G	TUNER	1	
X101	EFCS6504BF	CERAMIC FILTER	1	
X102	EFCS7004BF	CERAMIC FILTER	1	
X1101	H0J600400006	CRYSTAL	1	
X1260	H0J921400003	CRYSTAL	1	
X1301	TSSA171	CRYSTAL	1	
X2301	TSSA128	CRYSTAL	1	H0D184500008