

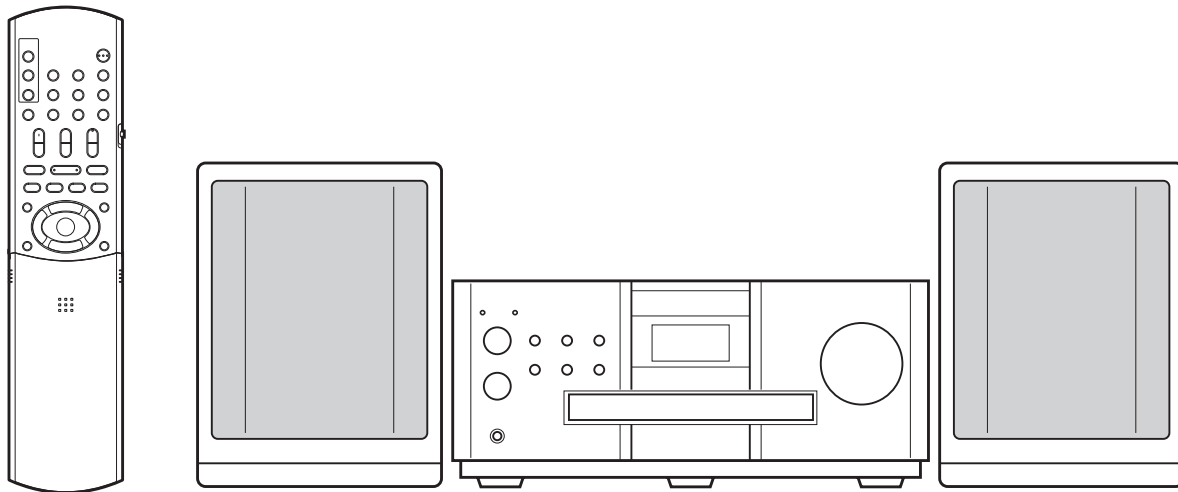
JVC

SCHEMATIC DIAGRAMS

COMPACT COMPONENT SYSTEM

EX-AK2DB

CD-ROM No.SML200803



WOOD CONE

DAB

Digital Audio Broadcasting

DVD
AUDIO/VIDEO™

DOLBY
DIGITAL

dts
2.0+Digital Out

Hybrid Feedback
Digital Amplifier

COMPACT
disc
SUPER VIDEO

K2
TECHNOLOGY

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

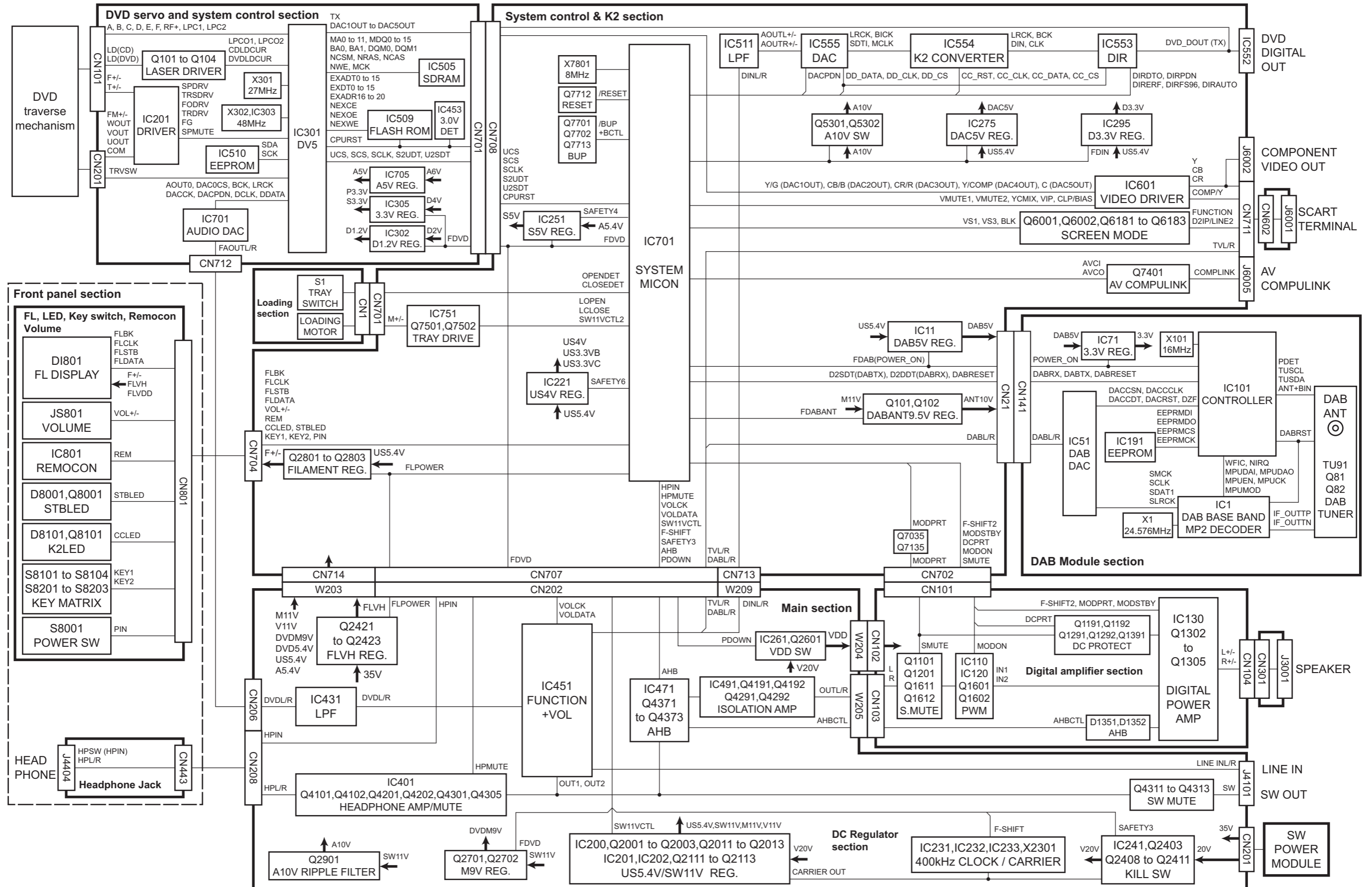
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

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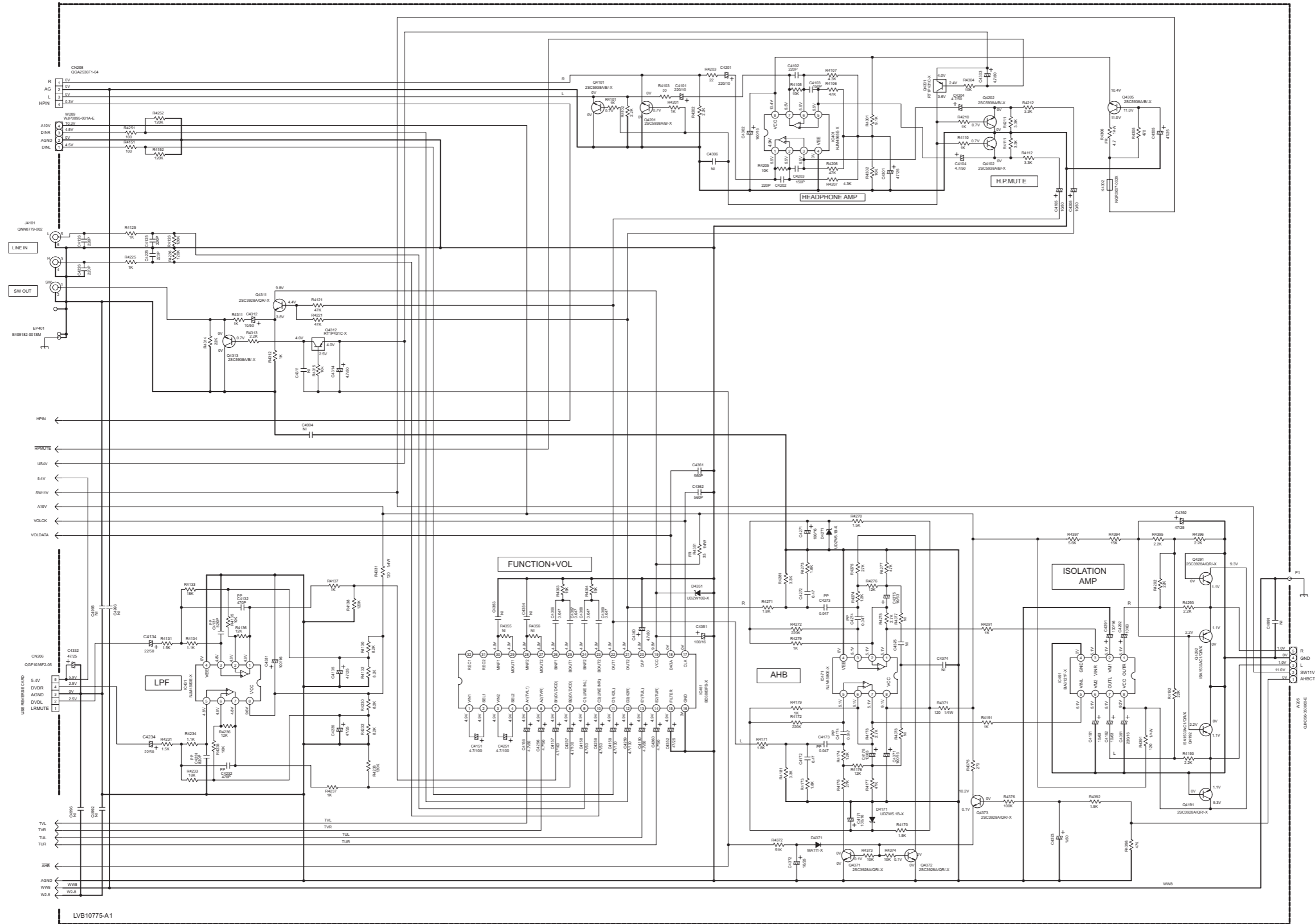
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (▣) and ICP (●) or identified by the "▲" mark nearby are critical for safety.

Block diagram



Standard schematic diagrams

■ Main section 1



NOTES
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
 CONDITION: CD STOP MODE
 2. UNLESS OTHERWISE SPECIFIED.

ALL RESISTANCE VALUES ARE IN OHM (Ω), CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
 ALL CAPACITANCE VALUES ARE IN pF (pF).
 ALL INDUCTANCE VALUES ARE IN μH (μH).
 ALL ELECTROLYTIC CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) RATED VOLTAGE (V).

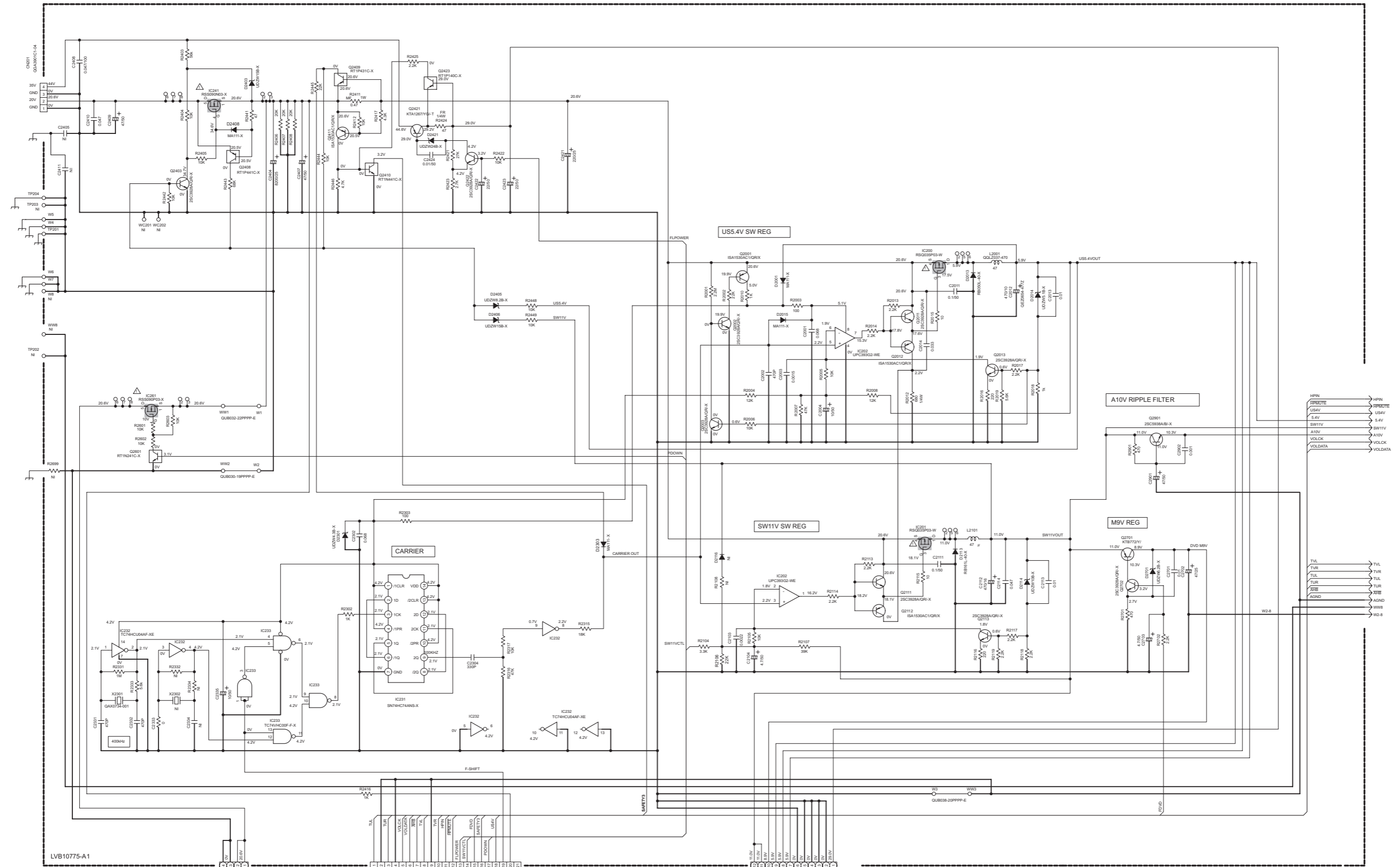


	R1	R2



	R1	R2
RT1P14HC	10K	4.7K
RT1P143C	4.7K	4.7K

■ Main section 2



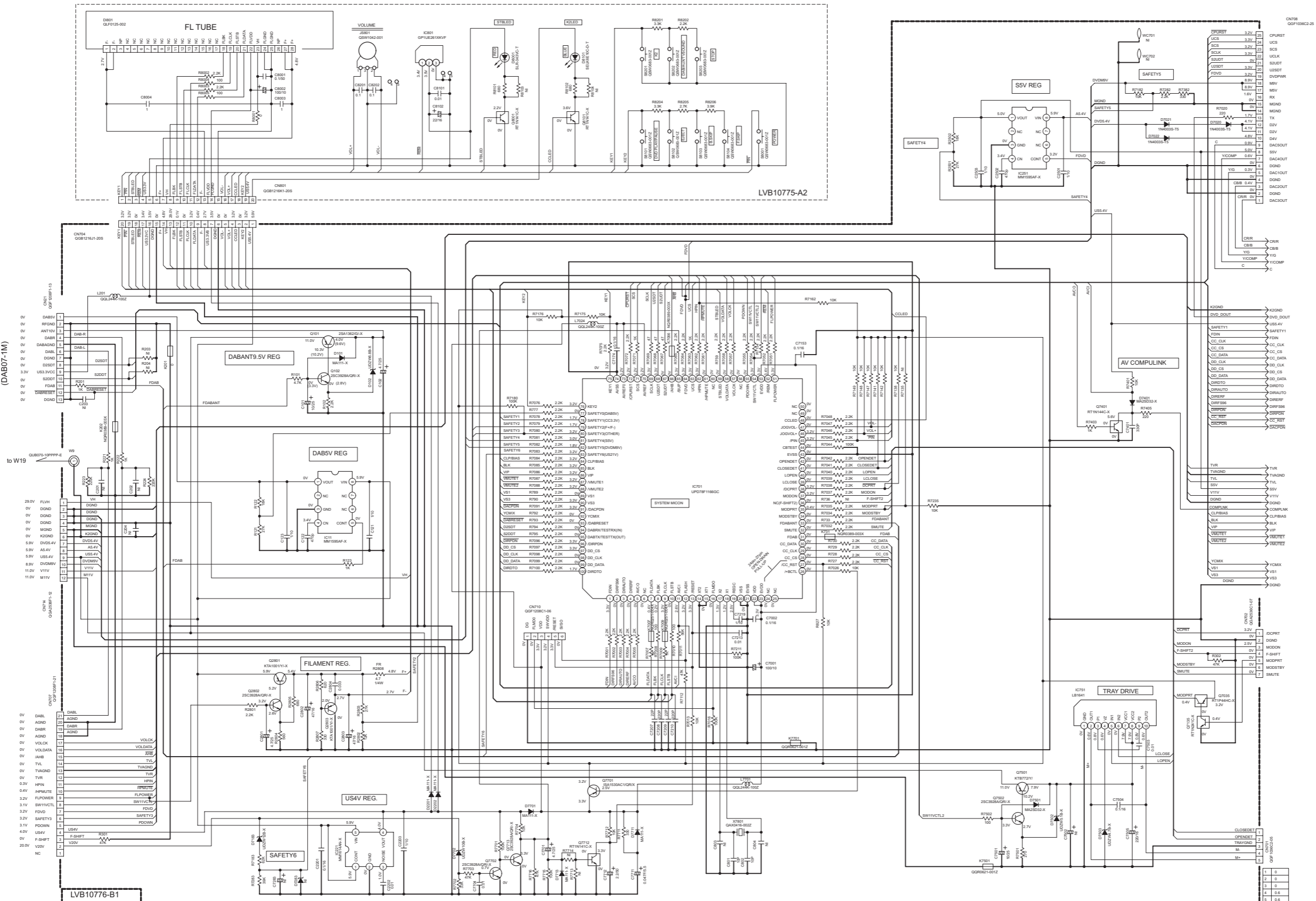
R1	R2	R1	R2
RT1N441C	47K	47K	
RT1P441C	47K	47K	
RT1P441C	22K	22K	
RT1P140C	10K	-	

LVS10633-002A

NOTES 1.VOLTAGES ARE DC-MEASURED A WITH DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL CONDITION CD STOP MODE 2.UNLESS OTHERWISE SPECIFIED. ALL RESISTANCE VALUES ARE IN OHM (Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN μF(μF). ALL INDUCTANCE VALUES ARE IN mH(mH). ALL ELECTROLYTIC CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

Parts are safety assurance parts. When replacing these parts make sure to use the specified one.

■ Front section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION: CD STOP MODE UNLESS OTHERWISE SPECIFIED.

2. ALL RESISTANCE VALUES ARE IN OHM (Ω). ALL CAPACITANCE VALUES ARE IN μF (pF) UNLESS OTHERWISE SPECIFIED.

3. ALL INDUCTANCE VALUES ARE IN μH (mH) UNLESS OTHERWISE SPECIFIED.

4. ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.

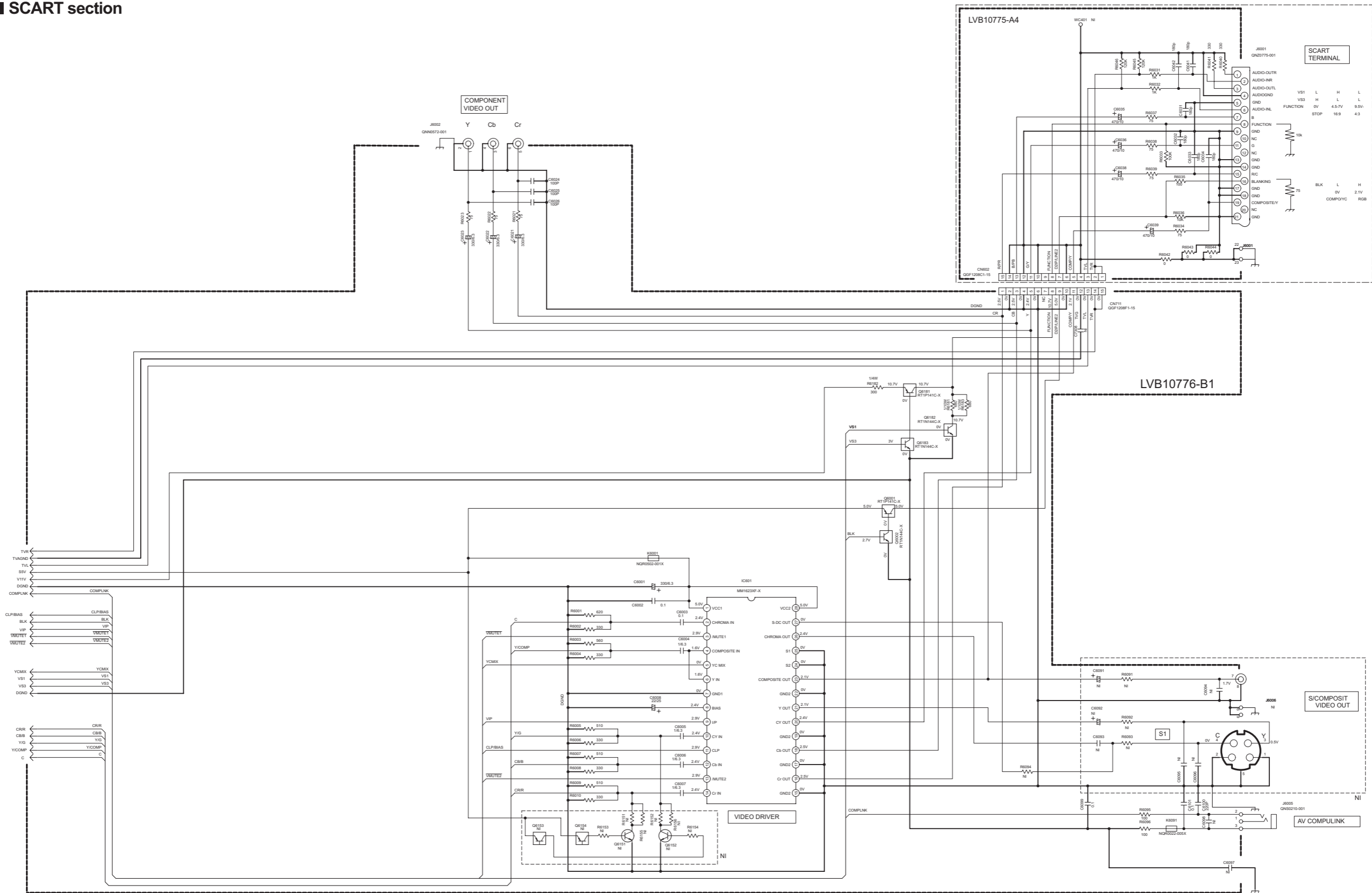
5. ALL INDUCTORS ARE AIR CORE INDUCTOR.

6. ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) RATED VOLTAGE (V).

RT1N141C	10K	10K
RT1N141C	47K	47K
RT1N144C	10K	47K
RT1N241C	22K	22K

RT1P44C	47K	22K
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■ SCART section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION: CD STOP MODE.

2. UNLESS OTHERWISE SPECIFIED.

ALL RESISTANCE VALUES ARE IN OHM (Ω).

ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.

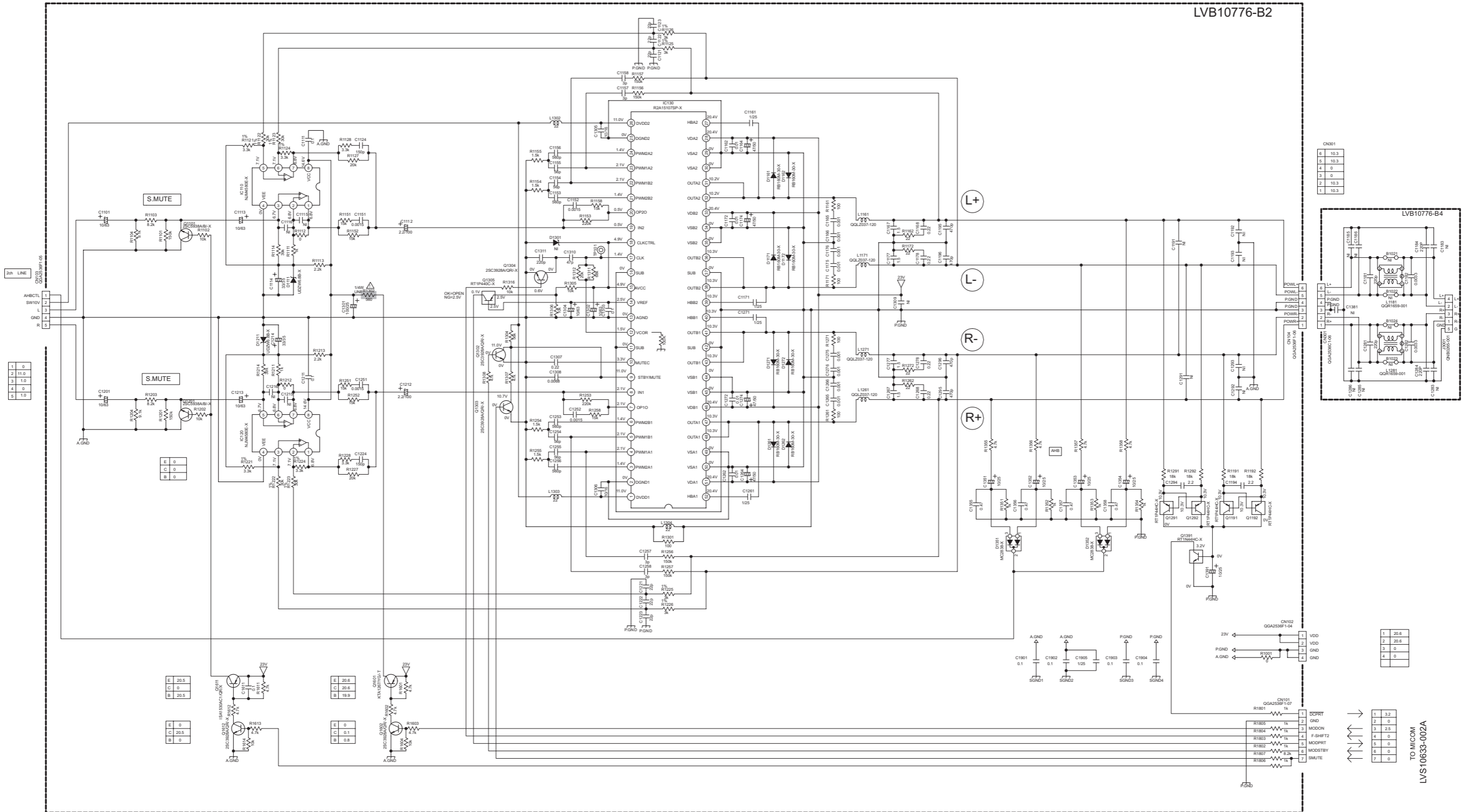
ALL CAPACITANCE VALUES ARE IN μF (PpF).

ALL INDUCTANCE VALUES ARE IN μH (mH/mH).

ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF/RATED VOLTAGE (V)).

RT1N144C	R1	R2	RT1P141C	R1	R2
	10K	47K		10K	10K

Digital amp section



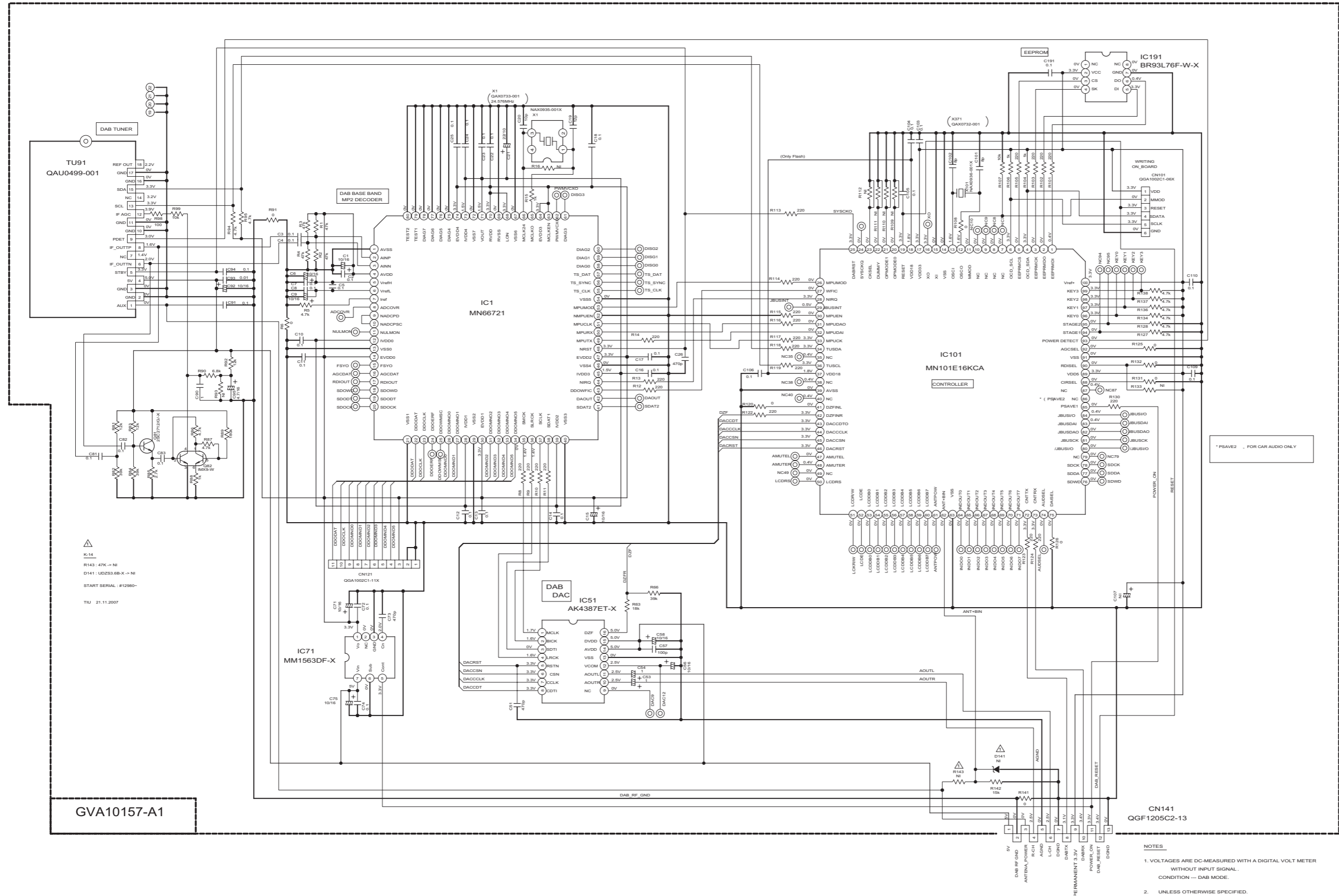
NOTES
 1. VOLTAGES ARE CD-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
 CONDITION = CD STOP MODE



2. UNLESS OTHERWISE SPECIFIED:
 RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
 ALL CAPACITANCE VALUES ARE IN pF(PH-PF).
 ALL INDUCTANCE VALUES ARE IN μH(MH-MH).
 ALL E-CAPACITORS ARE SHOWN IN THE FORM RESET OF INH CAPACITANCE (μF) RATED VOLTAGE (V).

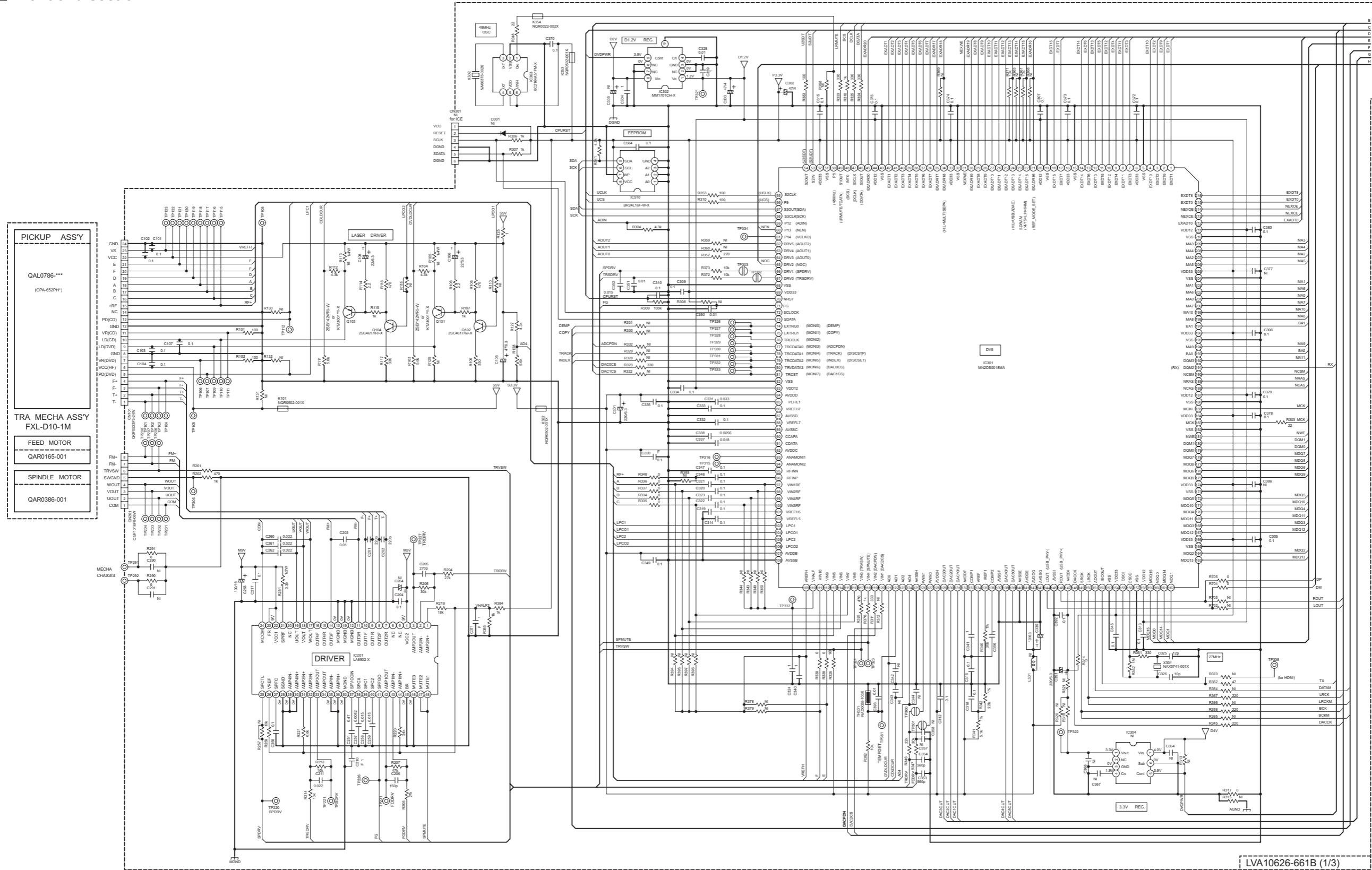
Parts are safety assurance parts.
 When replacing those parts make sure to use the specified one.

■ DAB module section



- NOTES**
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION --- DAB MODE.
 - UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/16W OR 1/10W OR 1/4W +5% METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V OR 25V OR 16V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM. ALL CAPACITANCE VALUES ARE IN uF(=pF) ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V).

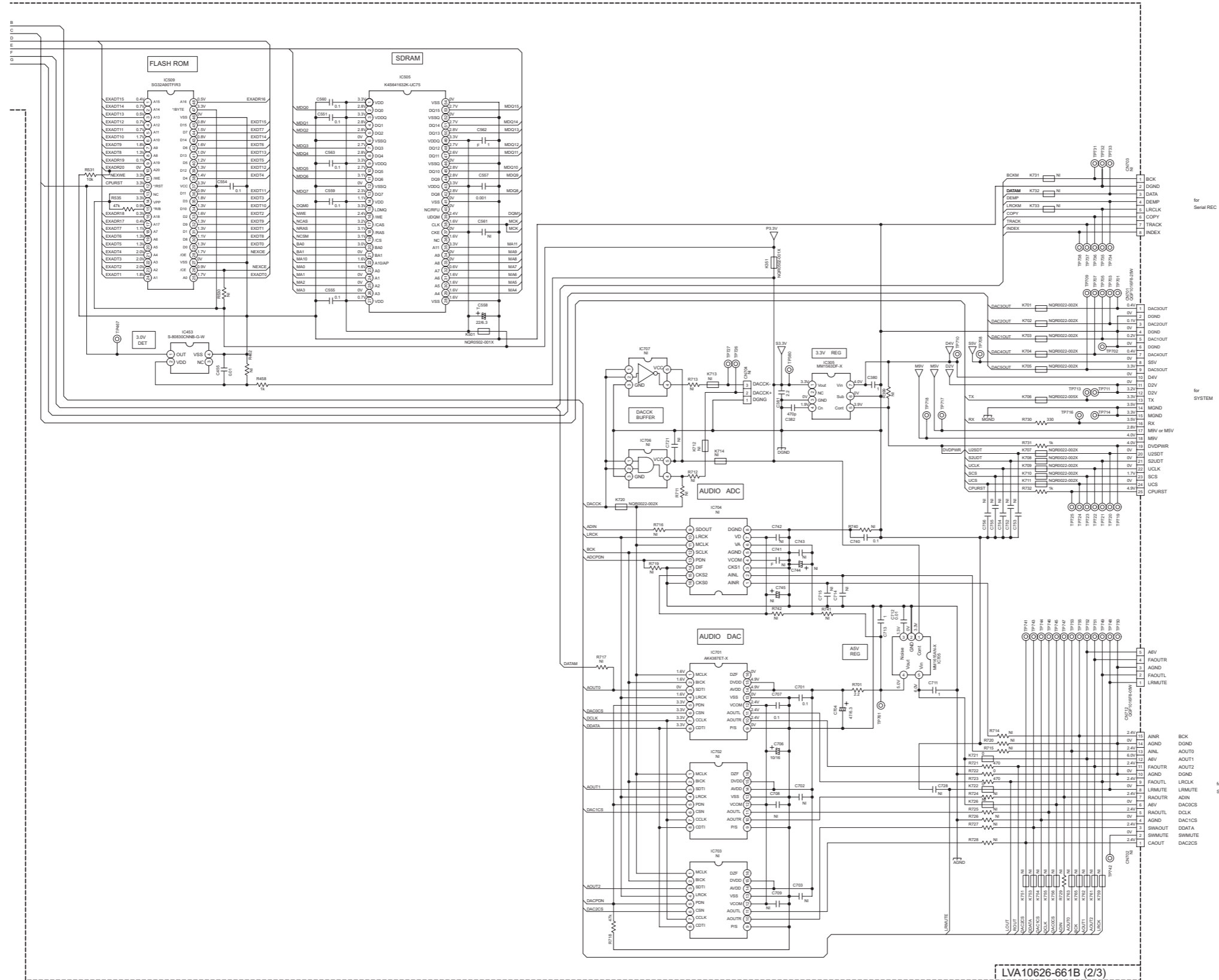
Front end section 1



NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER, WITHOUT INPUT SIGNAL.
CONDITION — A DVD disc in the Tray 1, and STOP mode.
- UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR OR 0.5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN pF(pF).
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN mH(mH).
- NI STANDS FOR NOT INSERTED PARTS.

■ Front end section 2



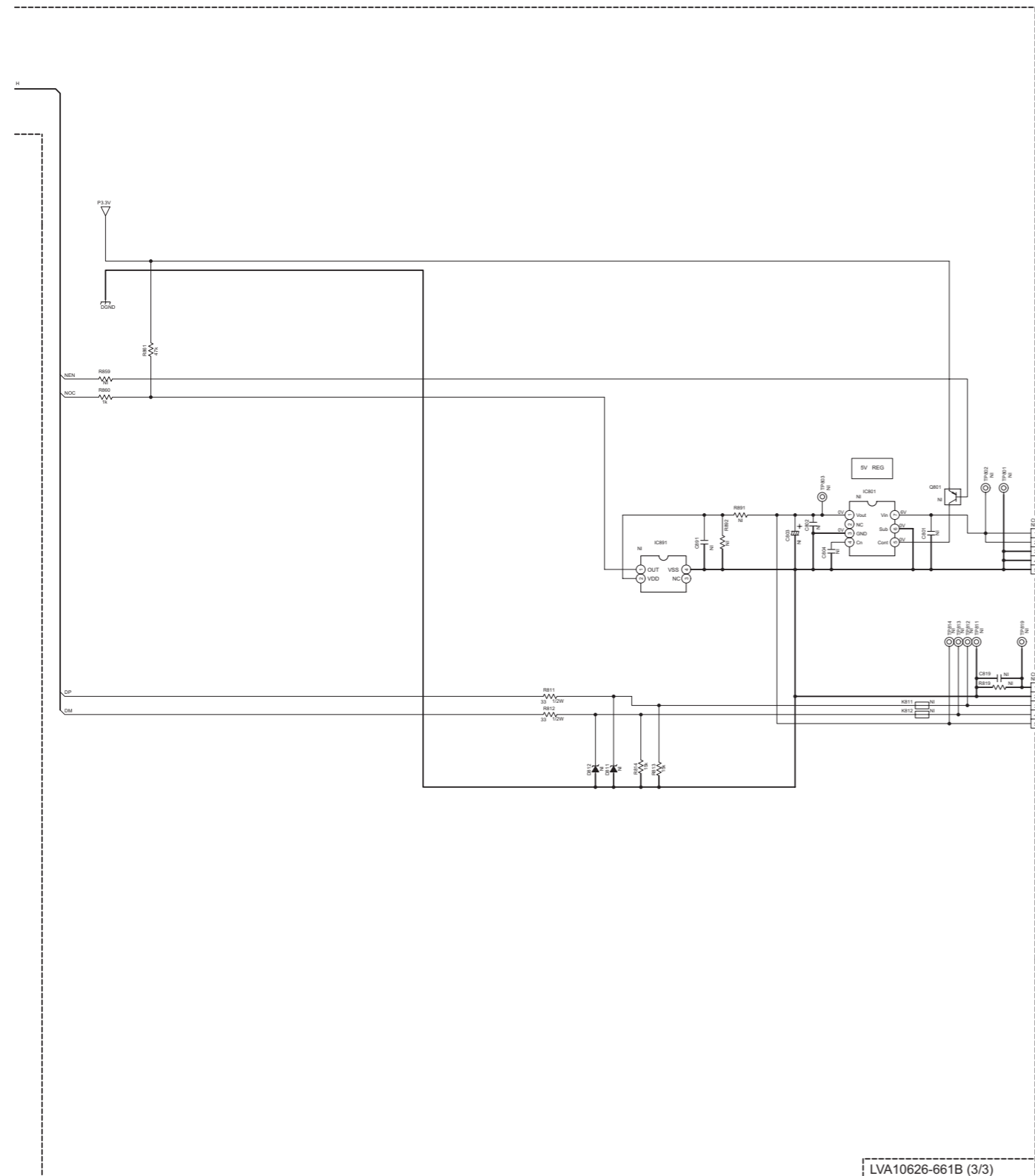
NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION — A DVD disc in the Tray 1, and STOP mode.
- UNLESS OTHERWISE SPECIFIED:
 ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR OR 0.5% METAL GLAZE RESISTOR.
 ALL CAPACITORS ARE 50 V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR.
 ALL RESISTANCE VALUES ARE IN OHM(Ω).
 ALL CAPACITANCE VALUES ARE IN nF(pF)(pF).
 ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(F), RATED VOLTAGE (V).
 ALL INDUCTANCE VALUES ARE IN nH(mmh).

3. NI STANDS FOR NOT INSERTED PARTS.

LVA10626-661B (2/3)

■ Front end section 3



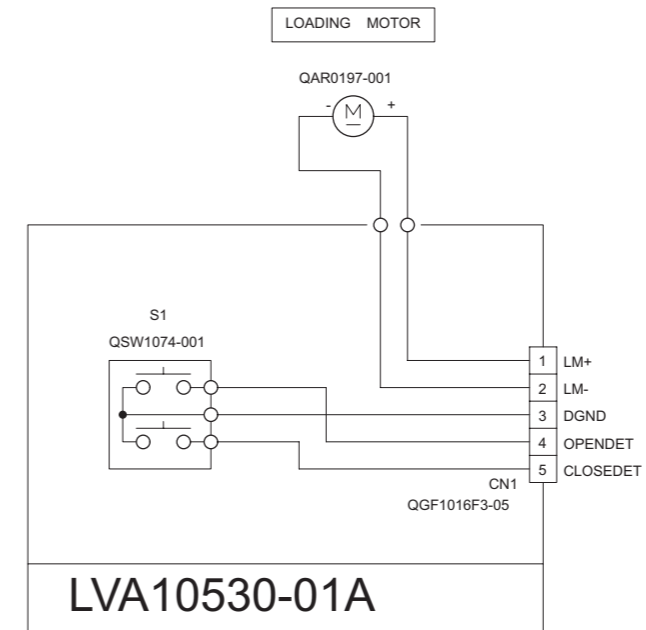
NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION — A DVD disc in the Tray 1, and STOP mode.
- UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR, OR 0.5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V, 20V, 16V, 10V or 6.3V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM (Ω).
ALL CAPACITANCE VALUES ARE IN pF (pF).
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (pF), RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH (μH).

3. NI STANDS FOR NOT INSERTED PARTS.

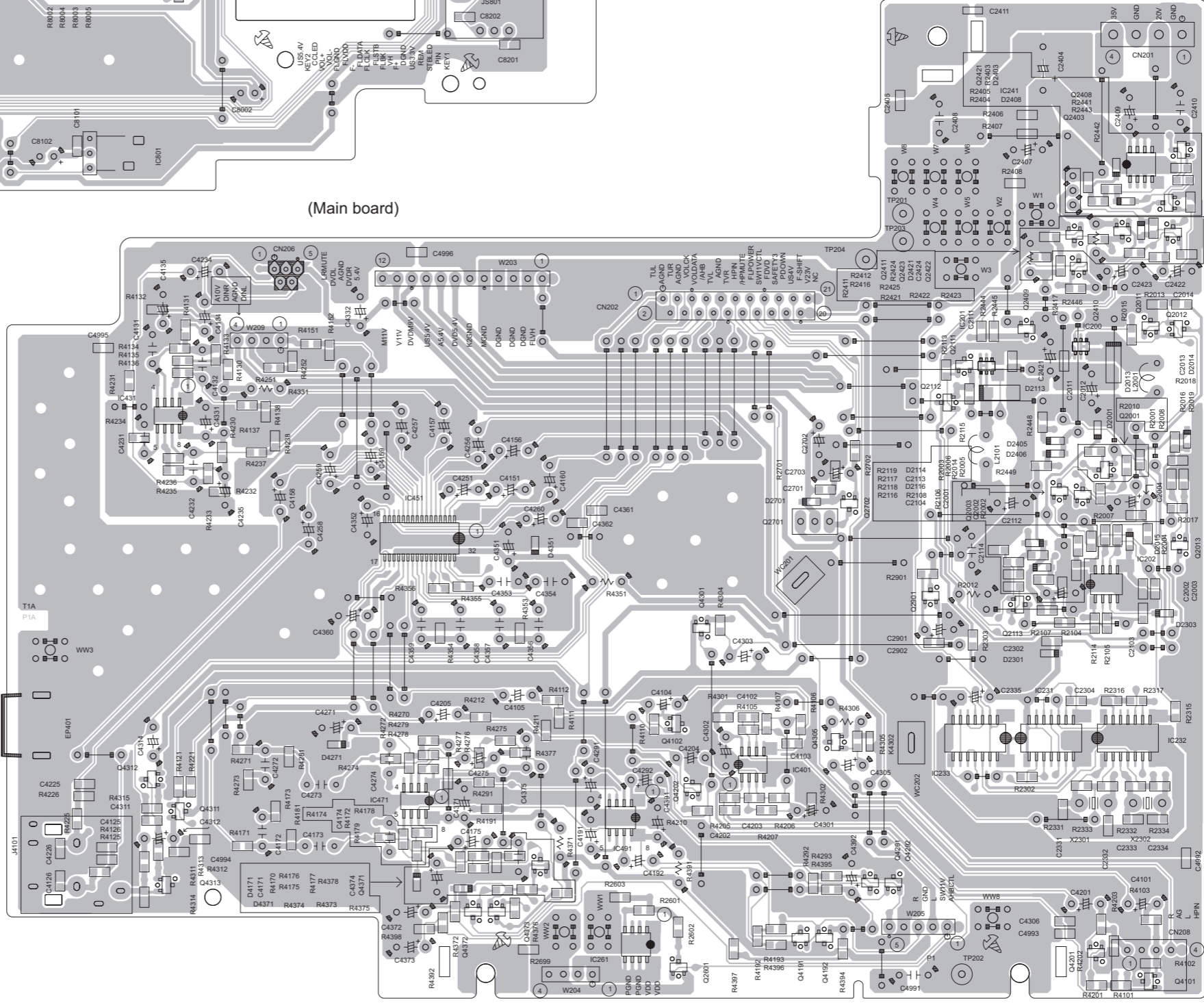
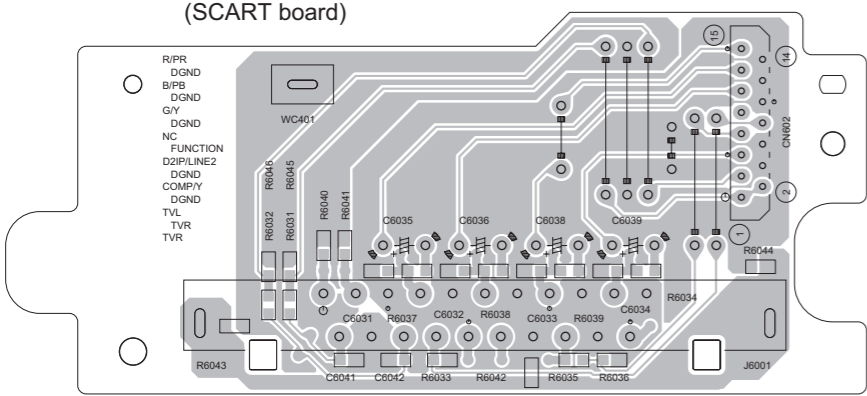
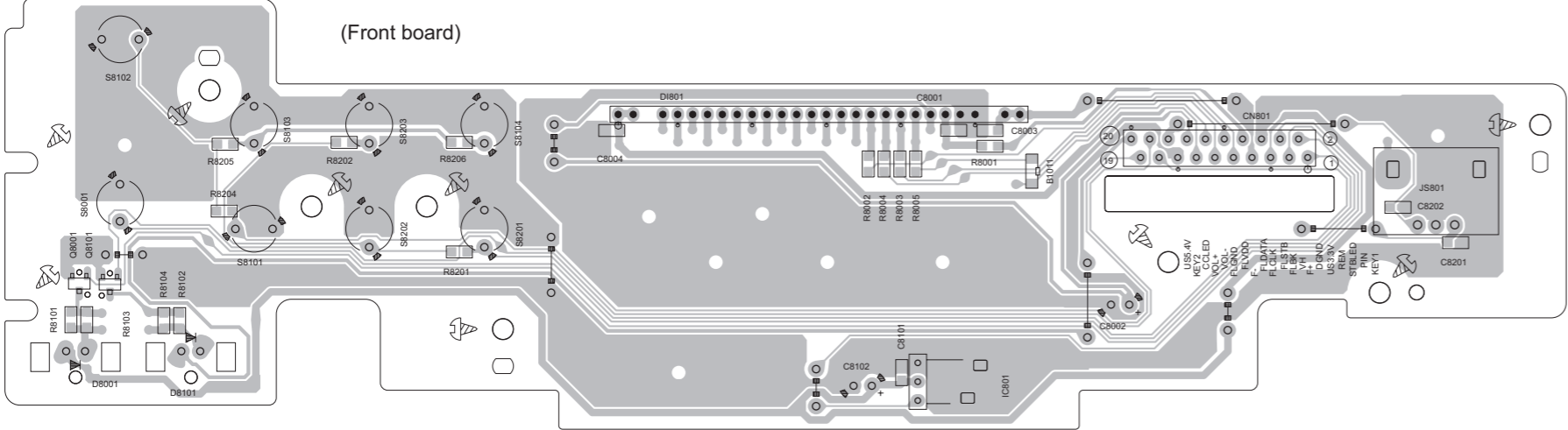
4. DIGITAL TRANSISTOR

■ Loader section



Printed circuit boards

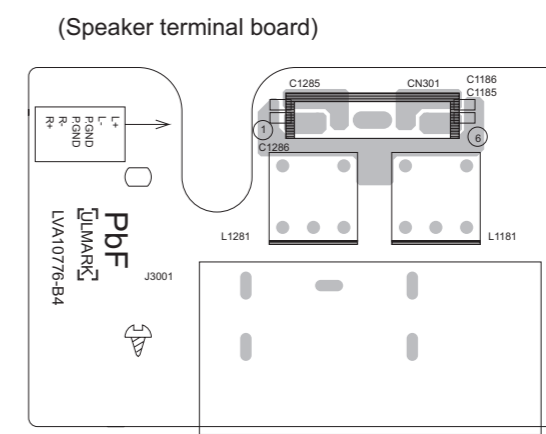
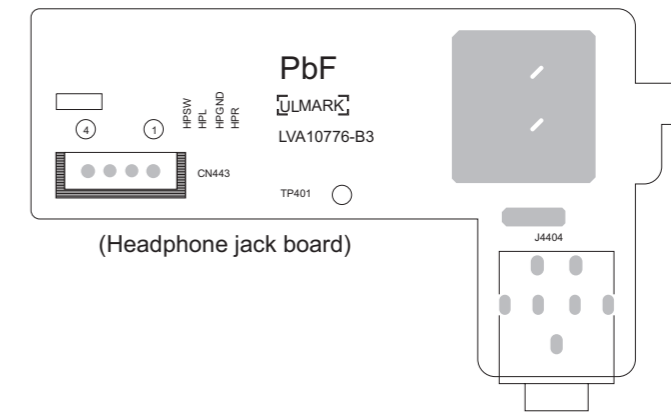
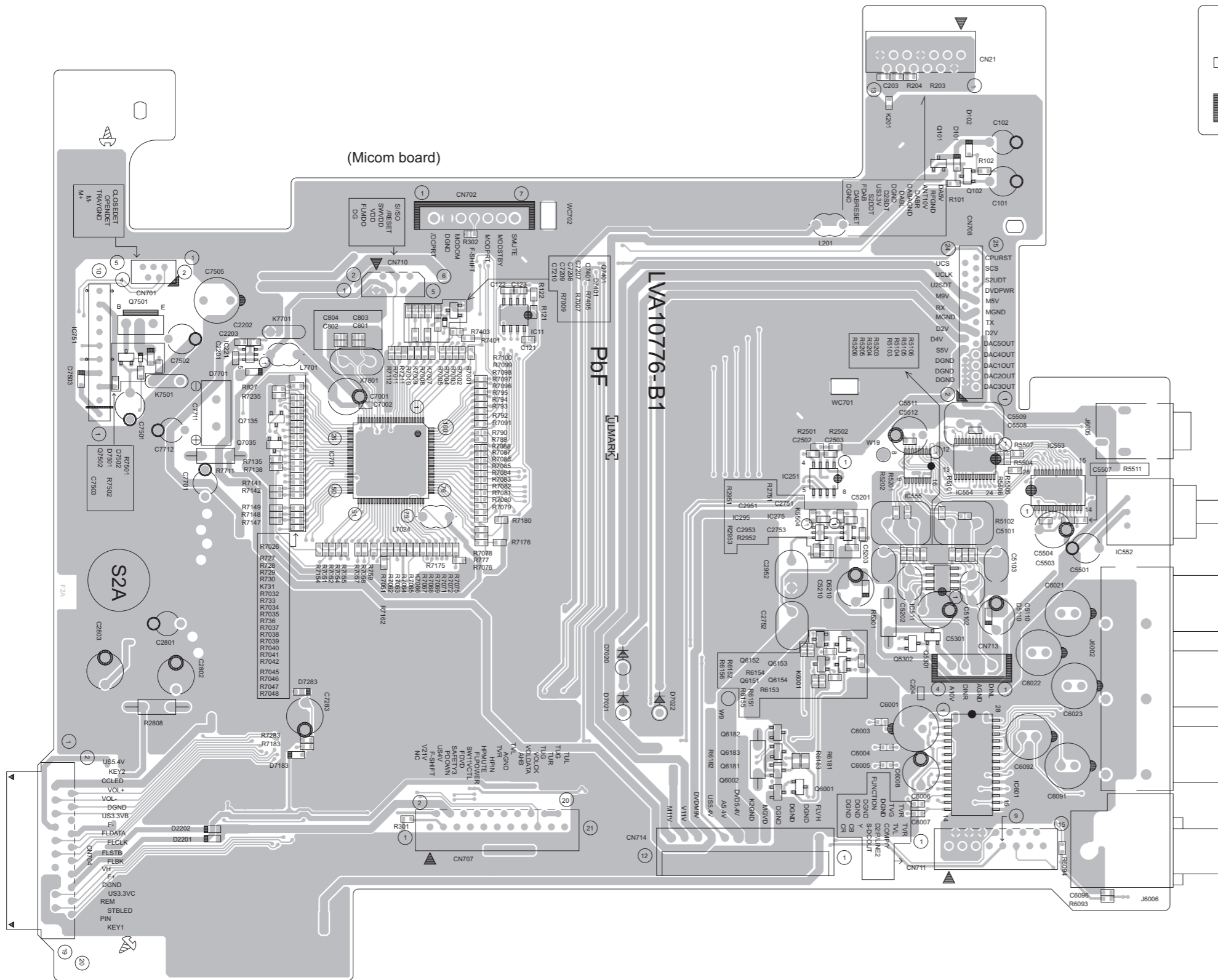
- Main board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)
- Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)



■ **Micom board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

forward side

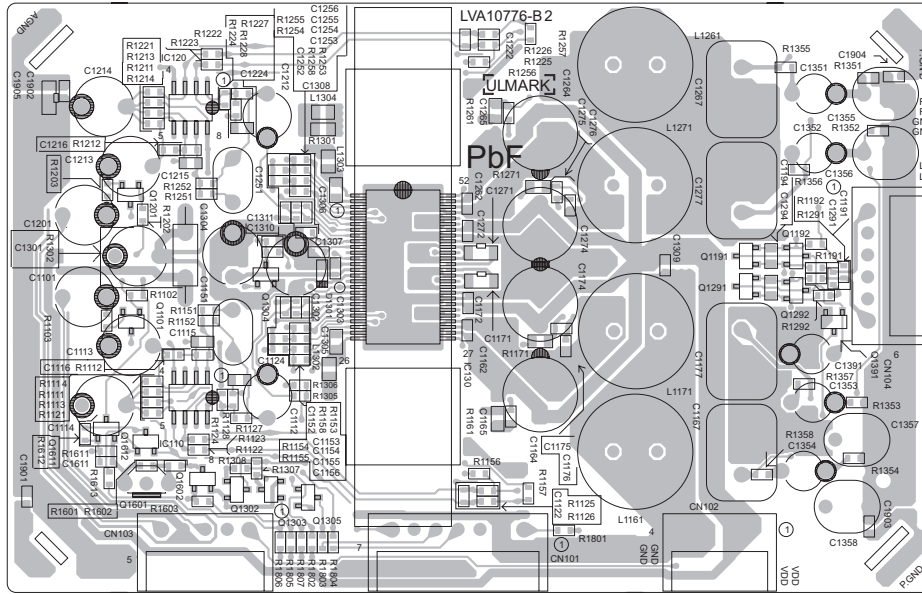


■ Digital amp board

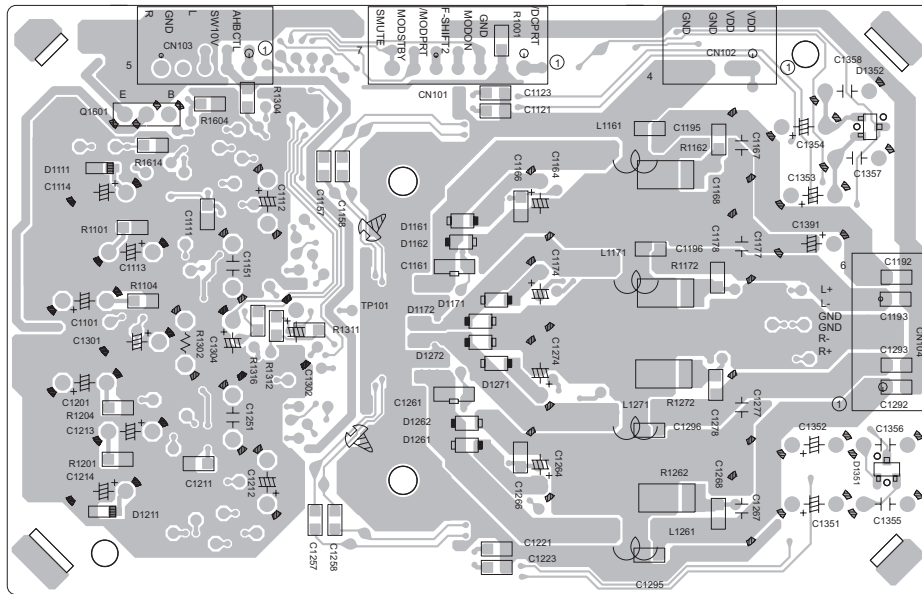
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

forward side



reverse side

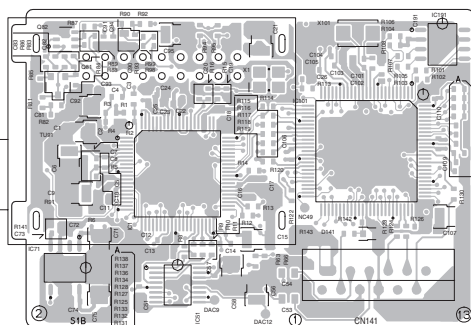


■ DAB module board

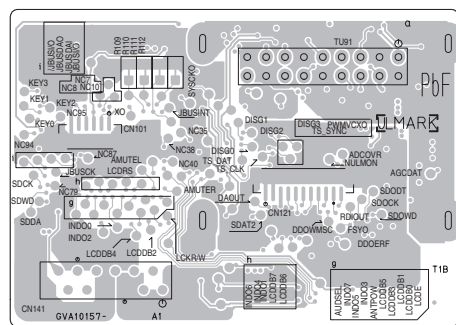
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

forward side



reverse side

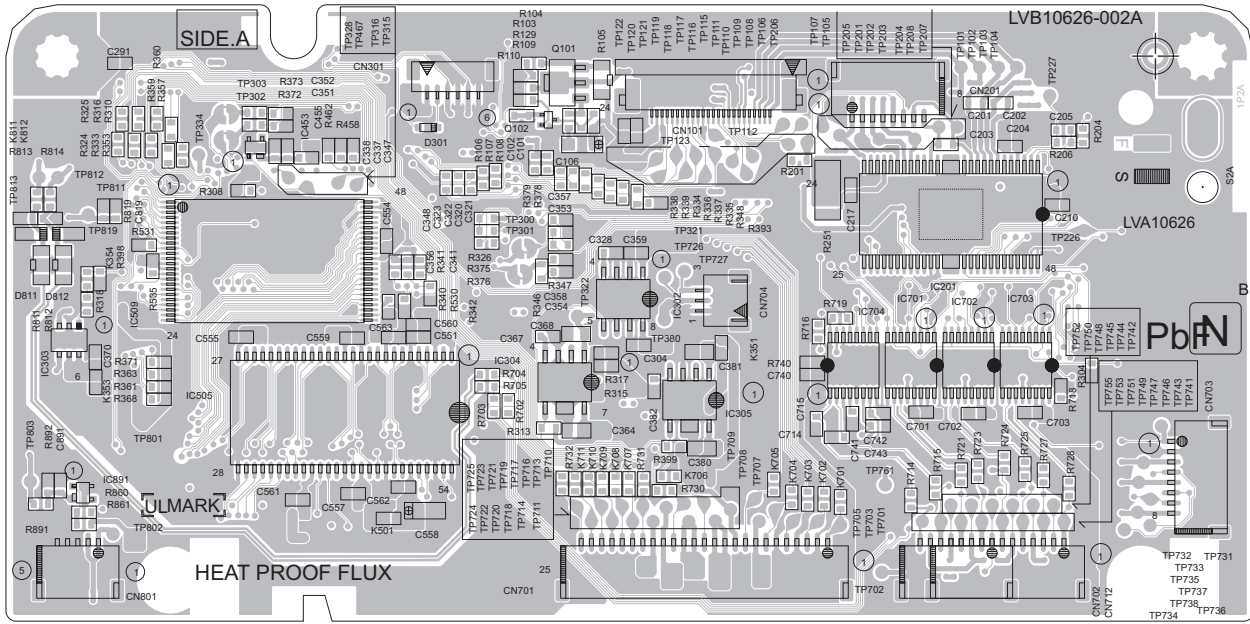


■ Front end board

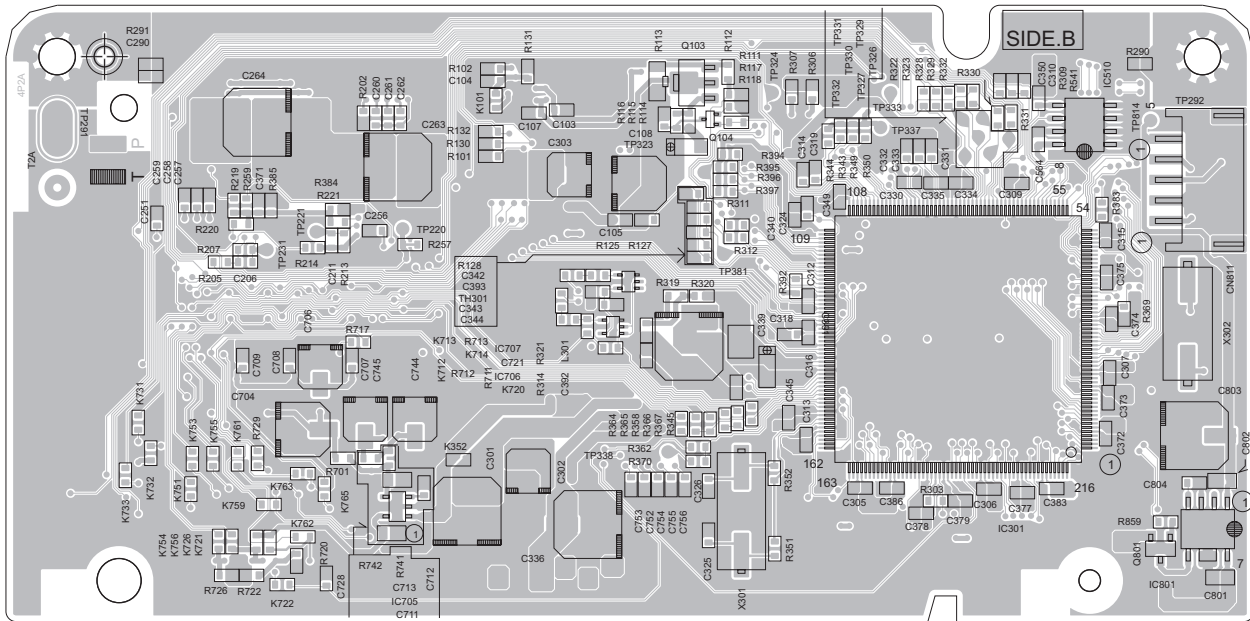
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

forward side



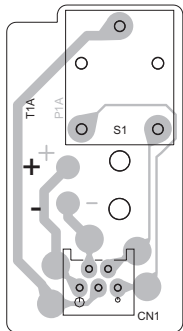
reverse side



■ Loader board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)



< MEMO >



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