

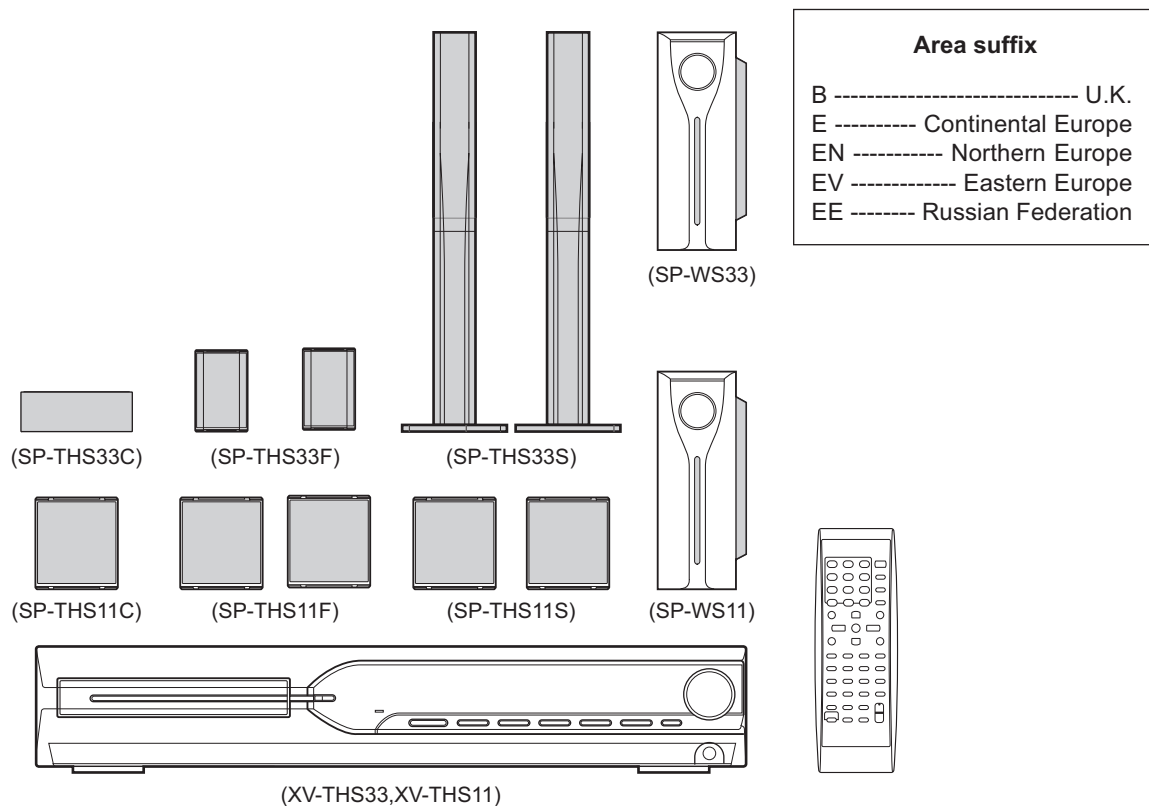
JVC

SCHEMATIC DIAGRAMS

DVD DIGITAL CINEMA SYSTEM

TH-S33, TH-S11

CD-ROM No.SML200505



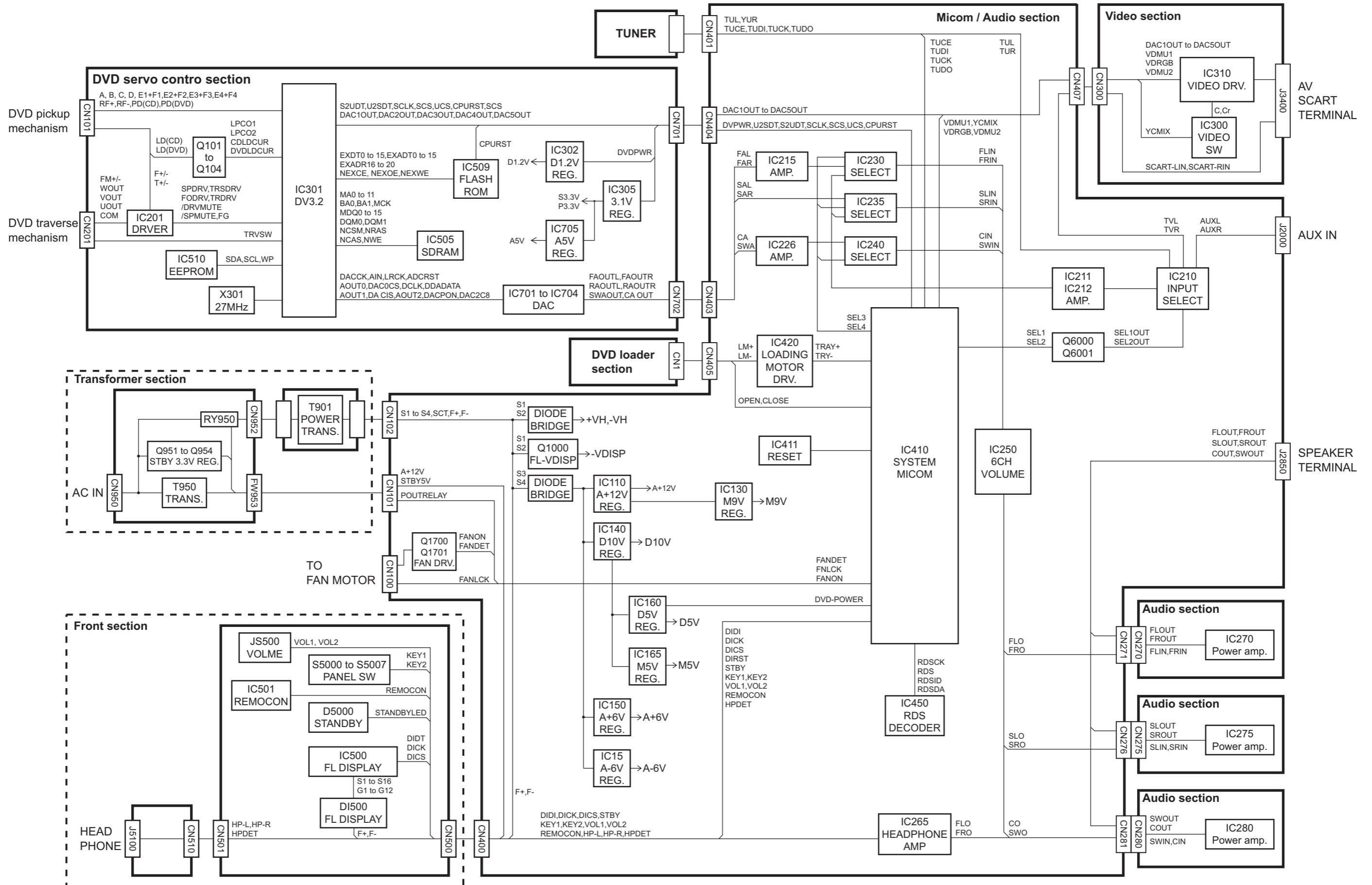
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

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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

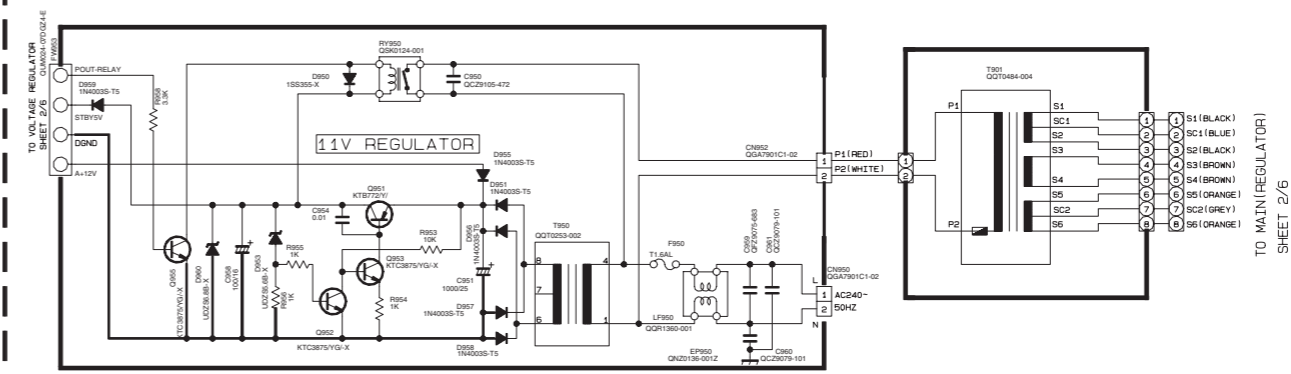
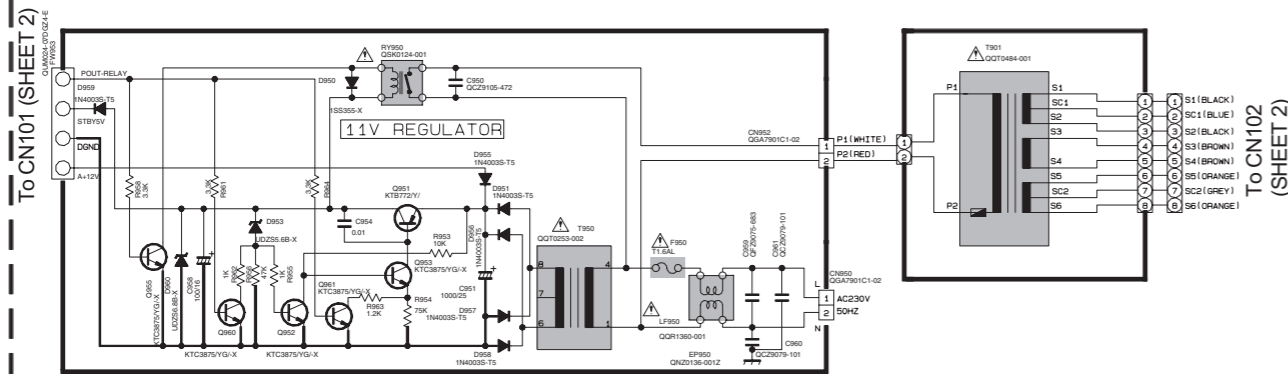
Transformer section

POWER SUPPLY BLOCK

GVA10103-A1

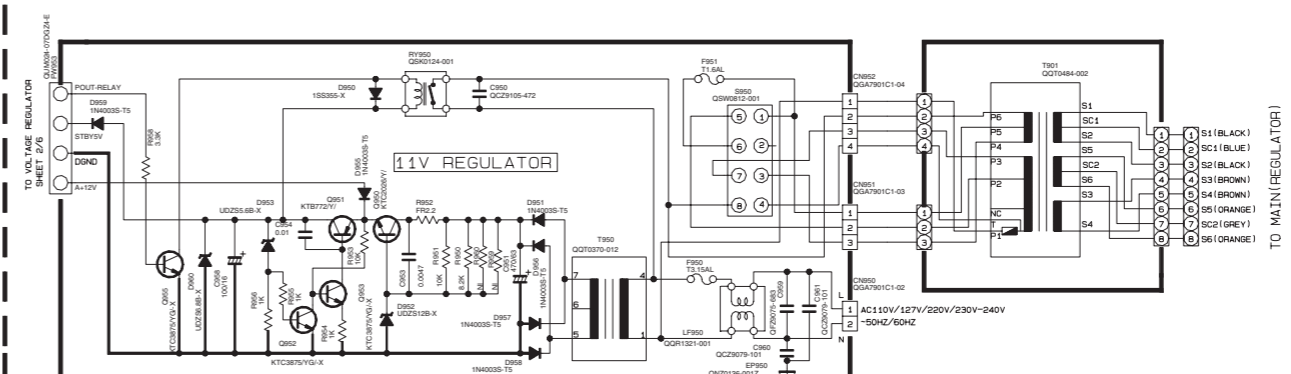
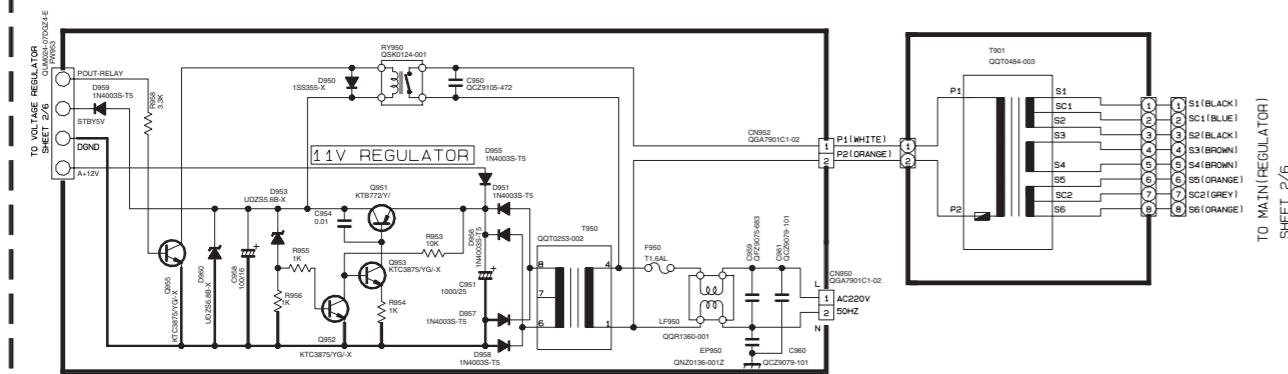
B/E/EN/EV/EE (230V 50Hz)

A (240V 50Hz)

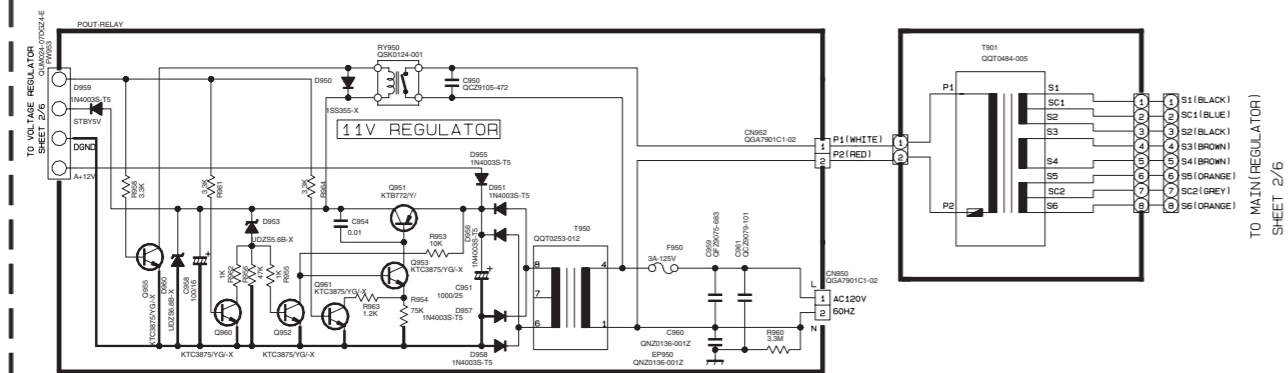


UB/UF/UFC (220V 50Hz)

UG/UN/US/UT/UW/UX (110V, 127V, 220V, 230V-240V)

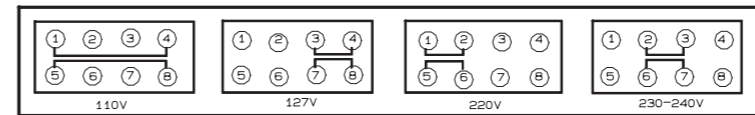


J/C (120V 60Hz)



VOLTAGE SELECTOR LOCATION

VERSION CODES



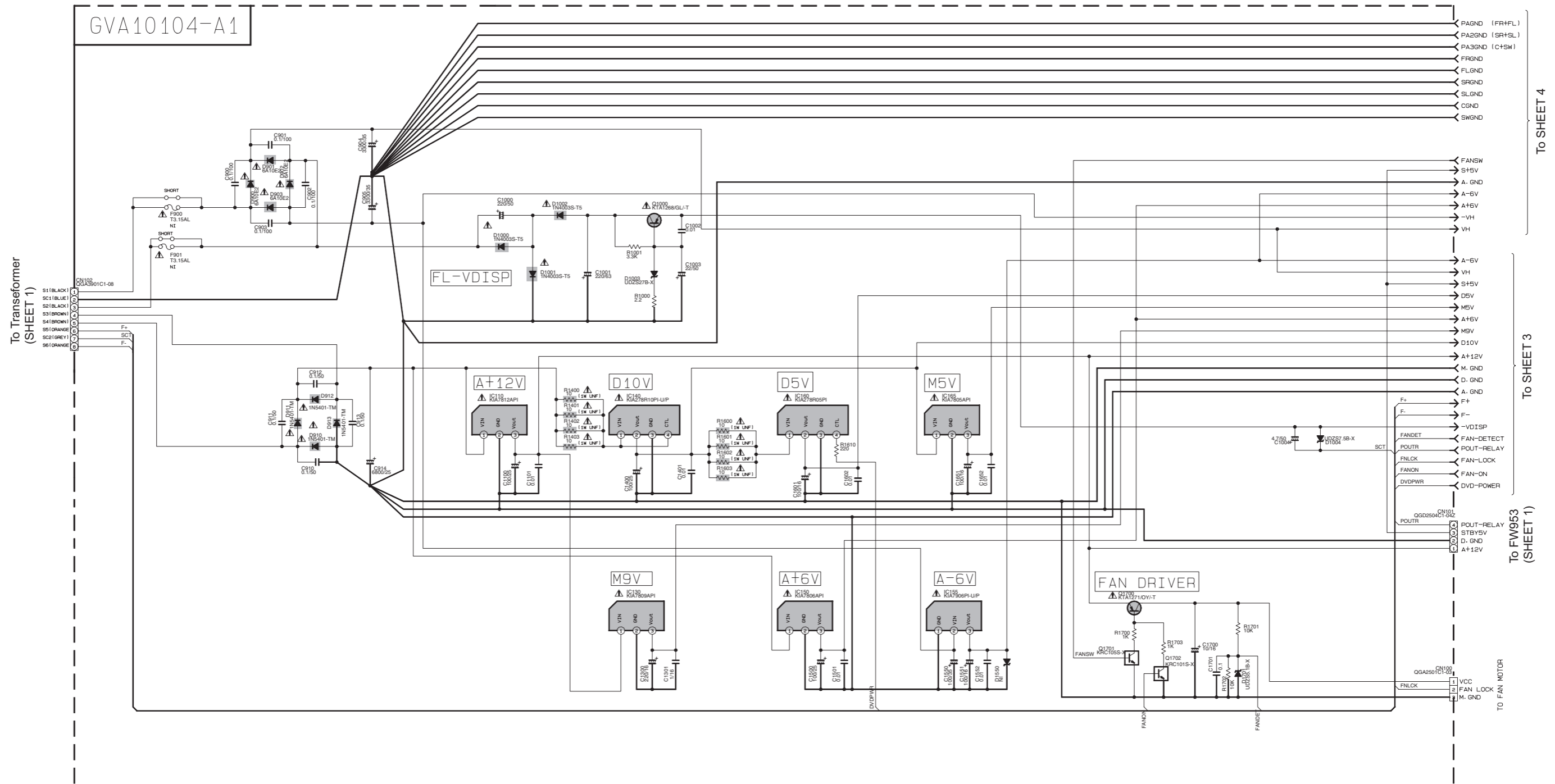
- A: AUSTRALIA
- B: GREAT BRITAIN
- C: CANADA
- E: GERMANY/FRANCE/HOLLAND
- EE: RUSSIA
- EN: SWEDEN/NORWAY/FINLAND/DENMARK
- EV: EAST EUROPE
- J: U. S. A.
- UB: HONG KONG
- UF: CHINA
- UG: TURKEY/EGYPT/SOUTHAFRICA
- US: SINGAPORE
- UT: TAIWAN
- UN: BRAZIL/MEXICO/PERU
- UX: SAUDI ARABIA
- UY: ARGENTINA

NOTES

1. VOLTAGE ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
2. UNLESS OTHERWISE SPECIFIED, RESISTOR ARE 1/4W 5% CARBON RESISTOR.
3. ALL CAPACITOR ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
4. ALL CAPACITANCE VALUES ARE IN μF (p=PF).
5. ALL INDUCTANCE VALUES ARE IN μH (m=MH).
6. ALL E-CAPACITOR ARE SHOWN IN THE FORM OF CAPACITANCE (μF /RATED VOLTAGE(V)).

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

■ Regulator section



- NOTES**
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL-CONDITION — CD STOP MODE V_{01.0}
 2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/8W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN Ω(MΩ). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN #F(P=pF). ALL INDUCTANCE VALUES ARE IN #H(m=μH). ALL F. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V). ALL DIODES ARE MA111-X
 3. MARK(* AND #) IS TO SHOW DEVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.



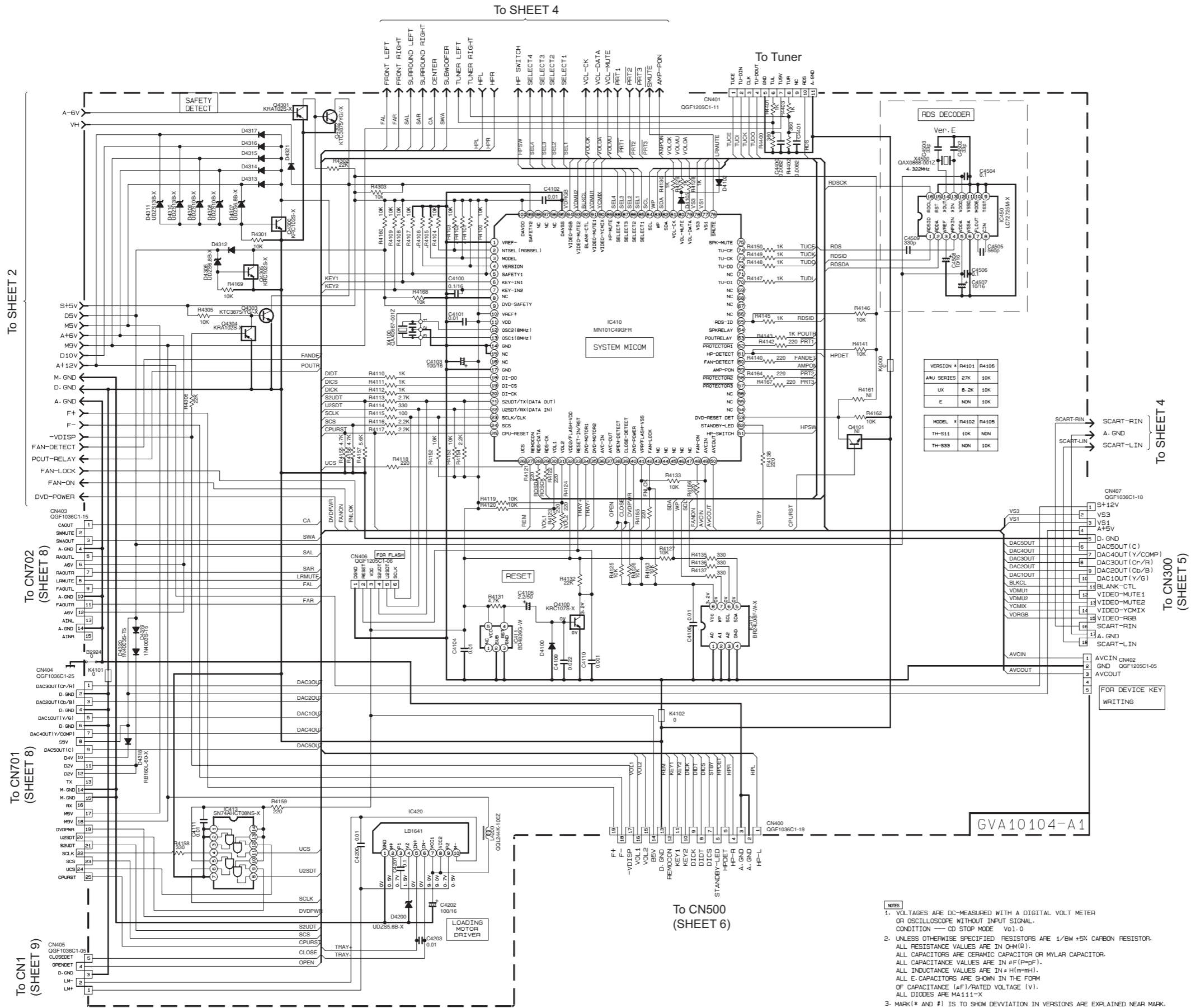
▲ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

To SHEET 4

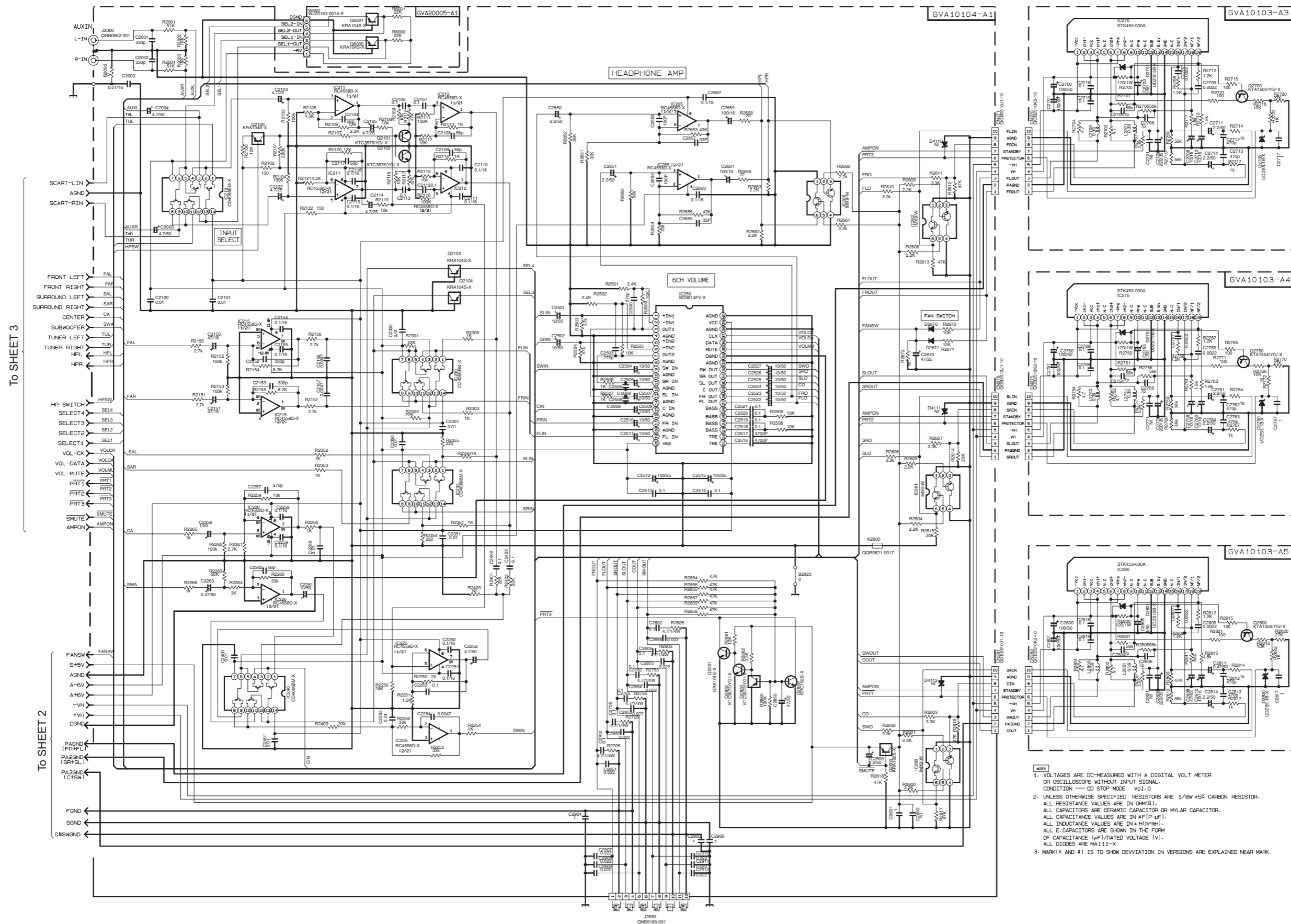
To SHEET 3

To FW953 (SHEET 1)

TO FAN MOTOR



Audio section

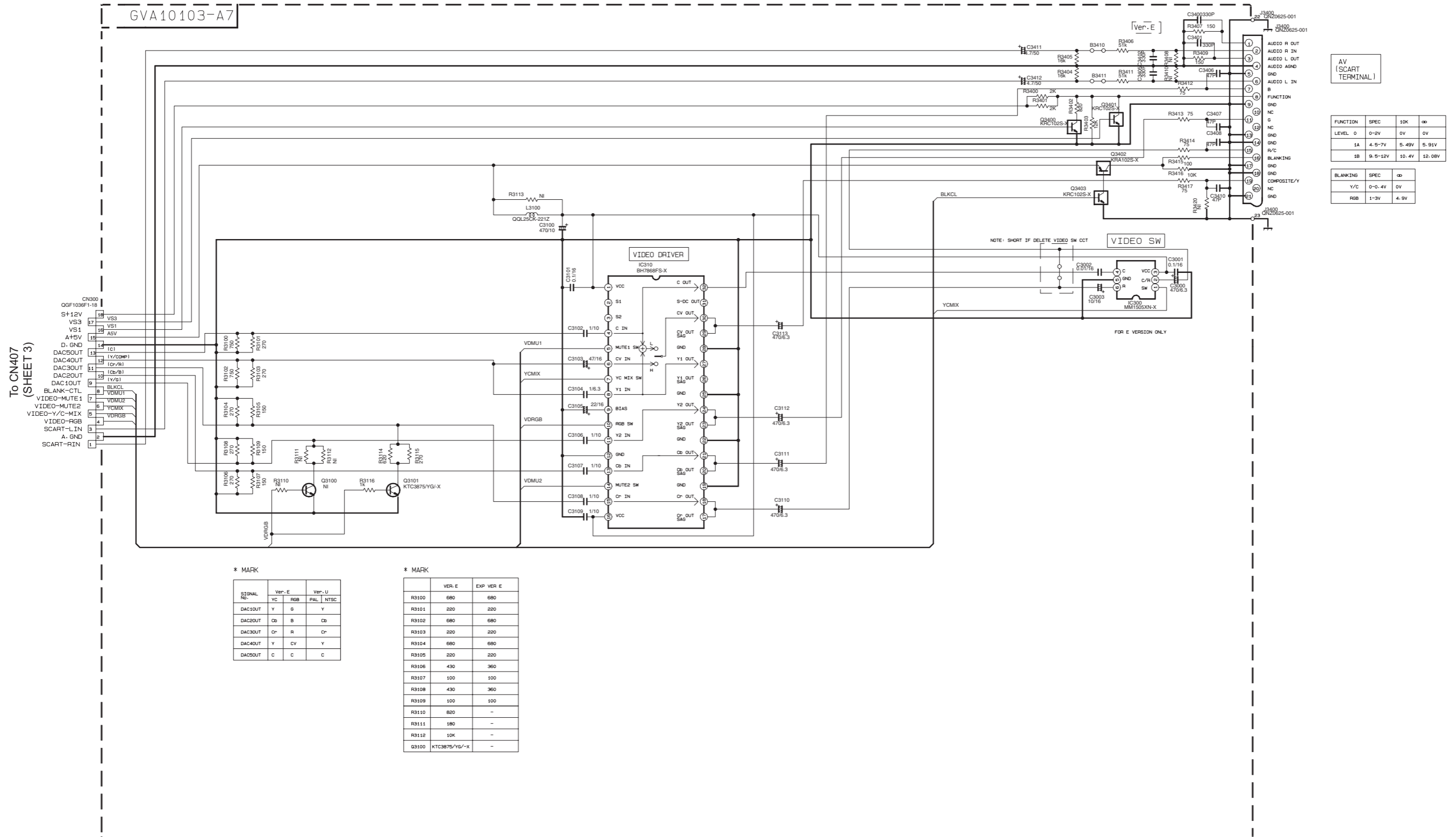


To SHEET 3

To SHEET 2

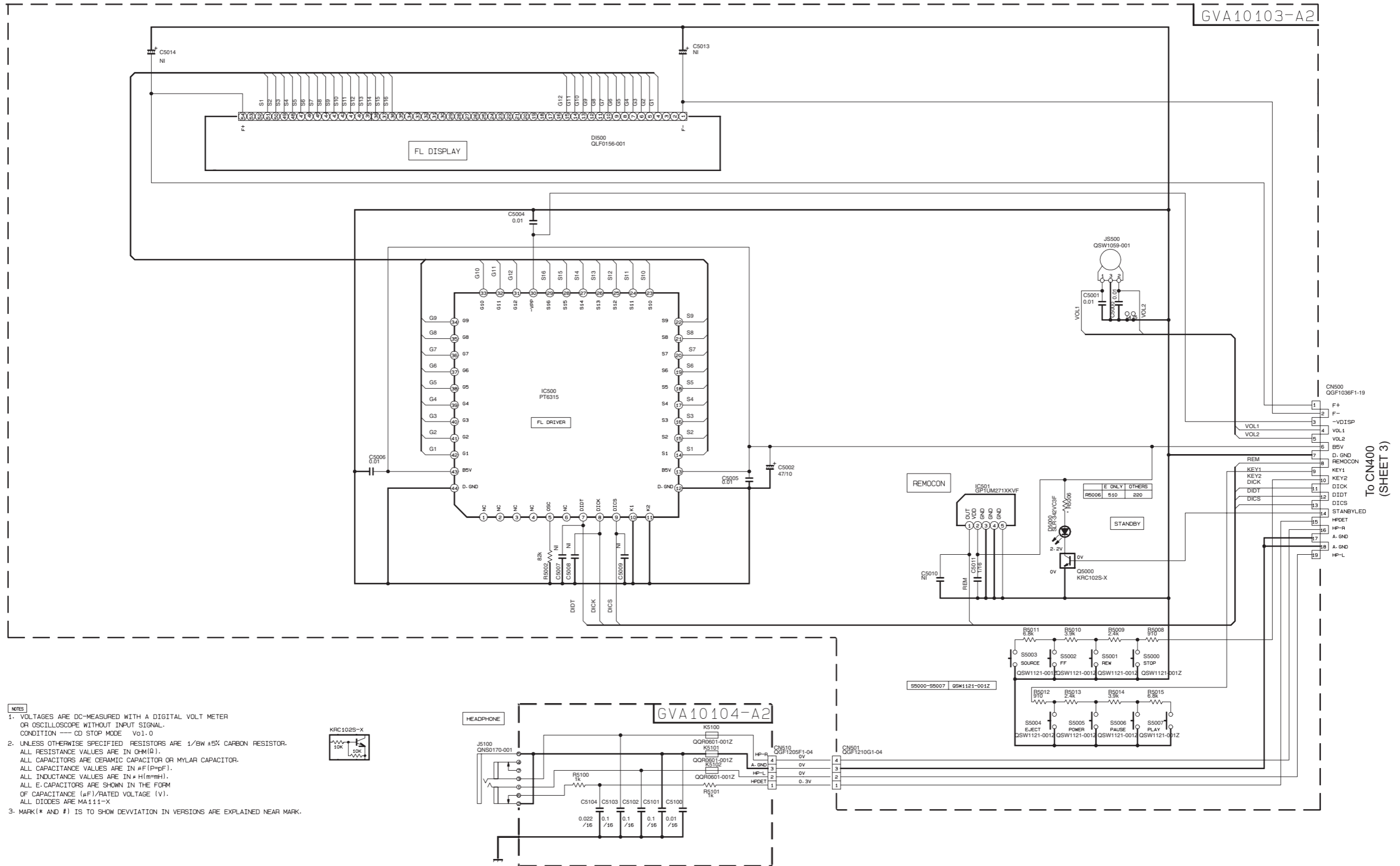
- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP MODE VO1-0
 2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN Ω(MK).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN #F(PHF).
ALL INDUCTANCE VALUES ARE IN #H(MHMH).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
ALL DIODES ARE MA111-X
 3. MARK (# AND #) IS TO SHOW DEVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

Video section



- NOTES**
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- CD STOP MODE V01.0
 - UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN Ω(MH). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN #F(PnF). ALL INDUCTANCE VALUES ARE IN #H(MnH). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V). ALL DIODES ARE MA111-X
 - MARK(* AND #) IS TO SHOW DEVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

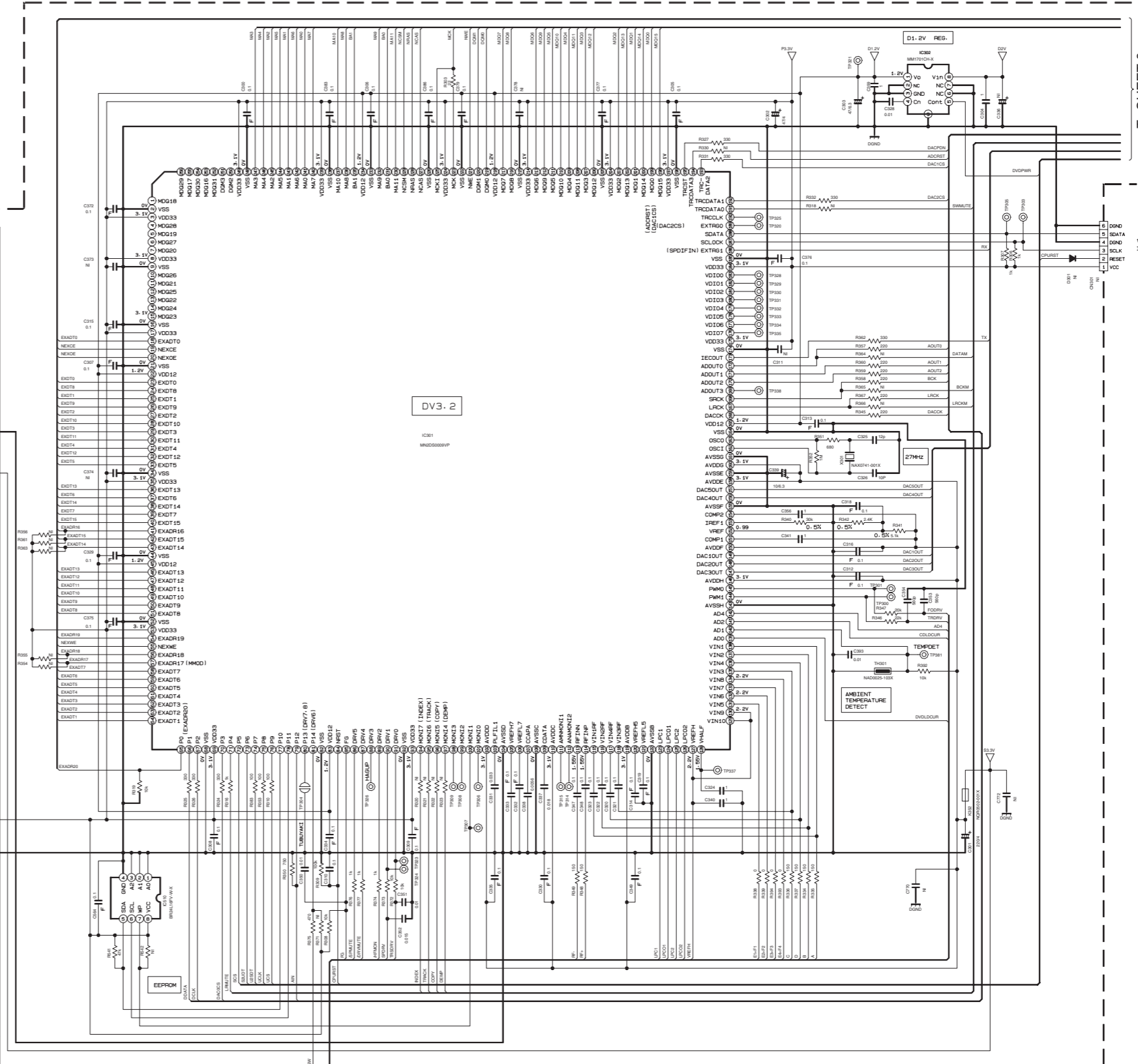
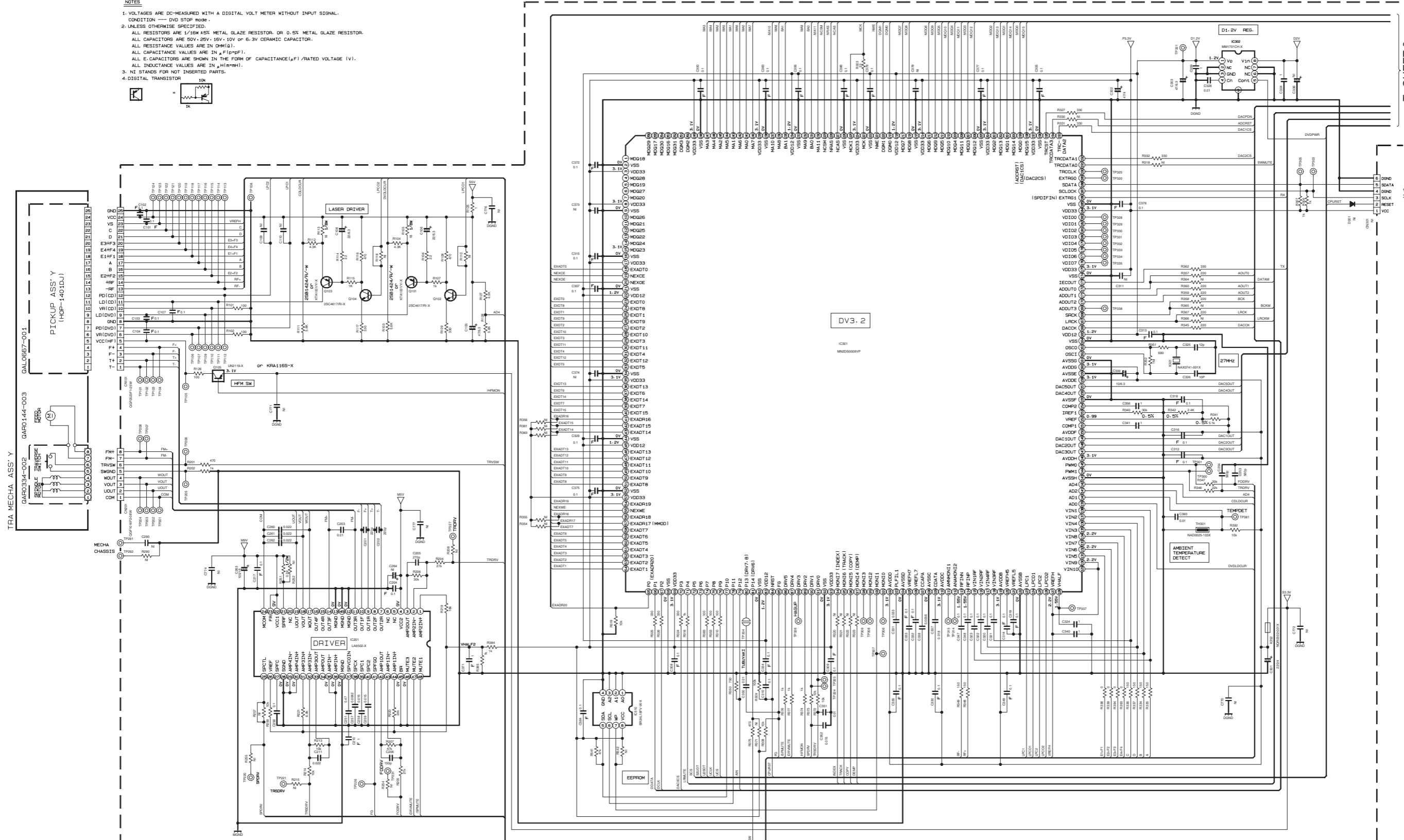
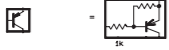
■ Front section



DVD servo control section (1/2)

NOTES

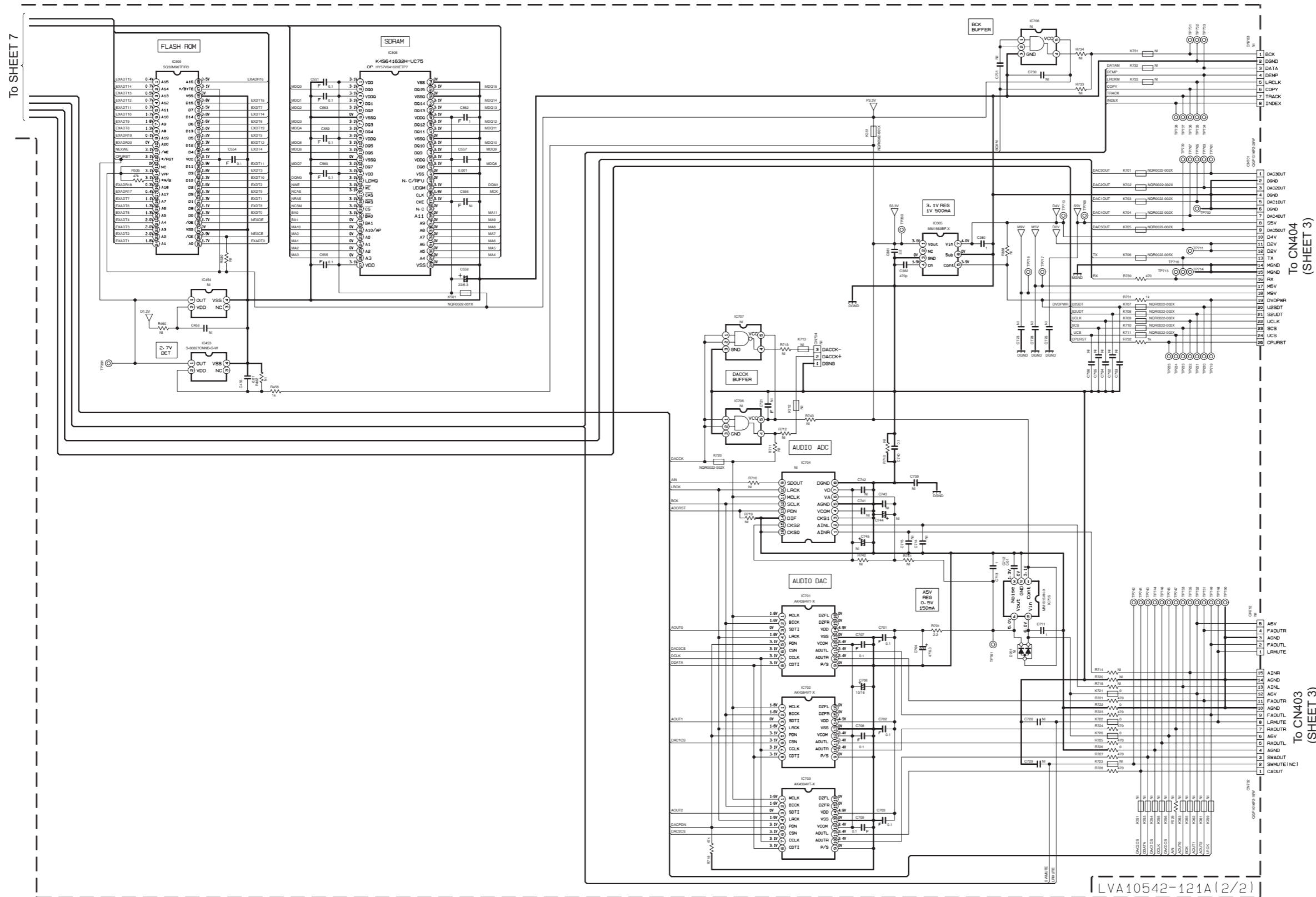
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP MODE.
- UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE 1/16W 10K METAL GLAZE RESISTOR, OR 0.6K METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V, 25V, 16V, 10V OR 6.3V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN pF(pF) OR nF(nF).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(μH).
- NI STANDS FOR NOT INSERTED PARTS.
- DIGITAL TRANSISTOR



LVA10542-121A(1/2)

To SHEET 8

DVD servo control section (2/2)



To SHEET 7

To CN404 (SHEET 3)

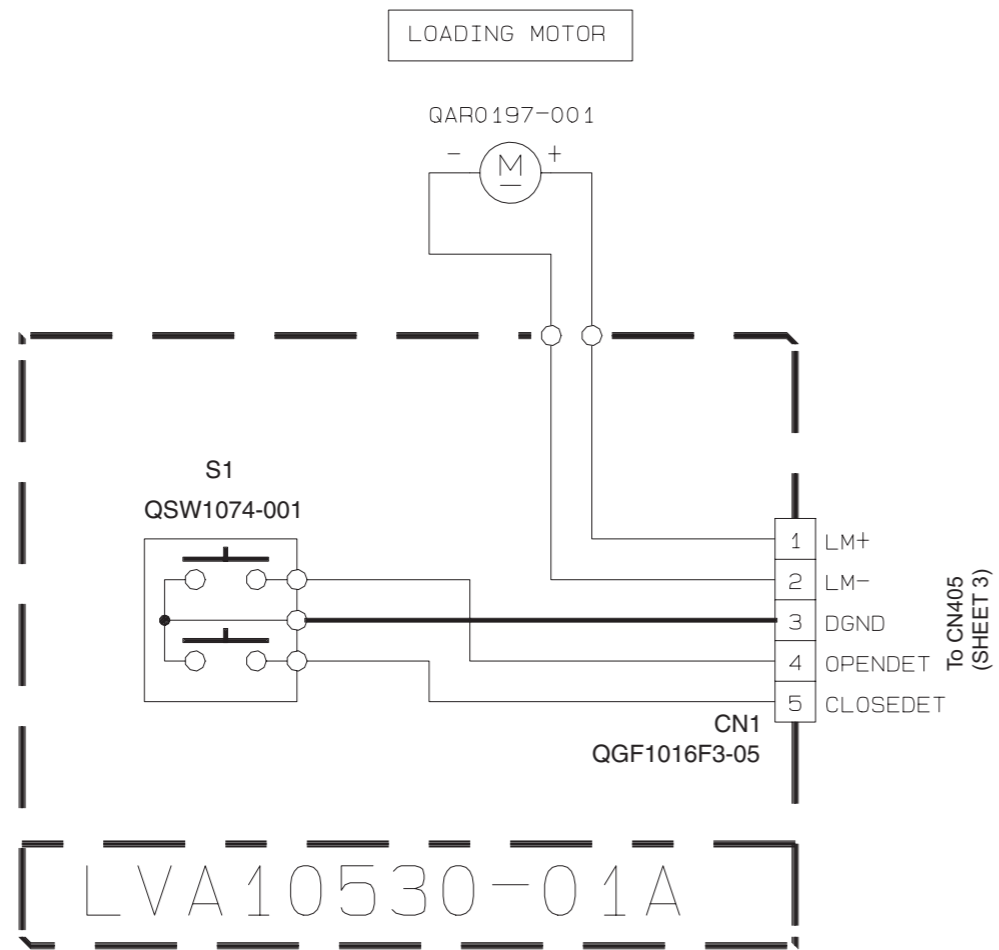
To CN403 (SHEET 3)

LVA10542-121A(2/2)

- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP mode.
 2. UNLESS OTHERWISE SPECIFIED:
 - ALL RESISTORS ARE 1/16W 1% METAL GLAZE RESISTOR, OR 0.6% 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 E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μ F)/RATED VOLTAGE (V).
 - ALL INDUCTANCE VALUES ARE IN mH(mH).
 3. NI STANDS FOR NOT INSERTED PARTS.

■ Loader section

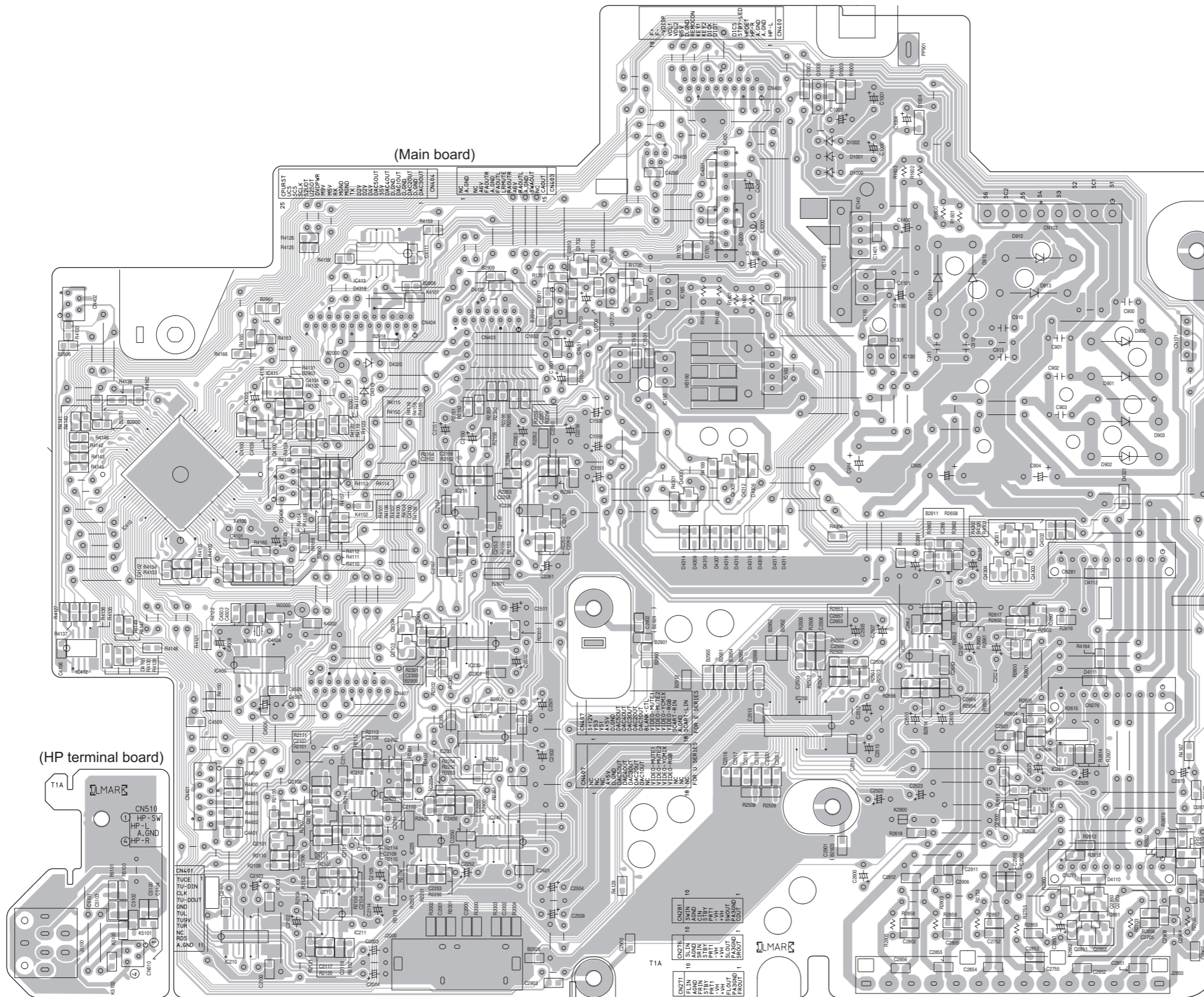
< MEMO >



Printed circuit boards

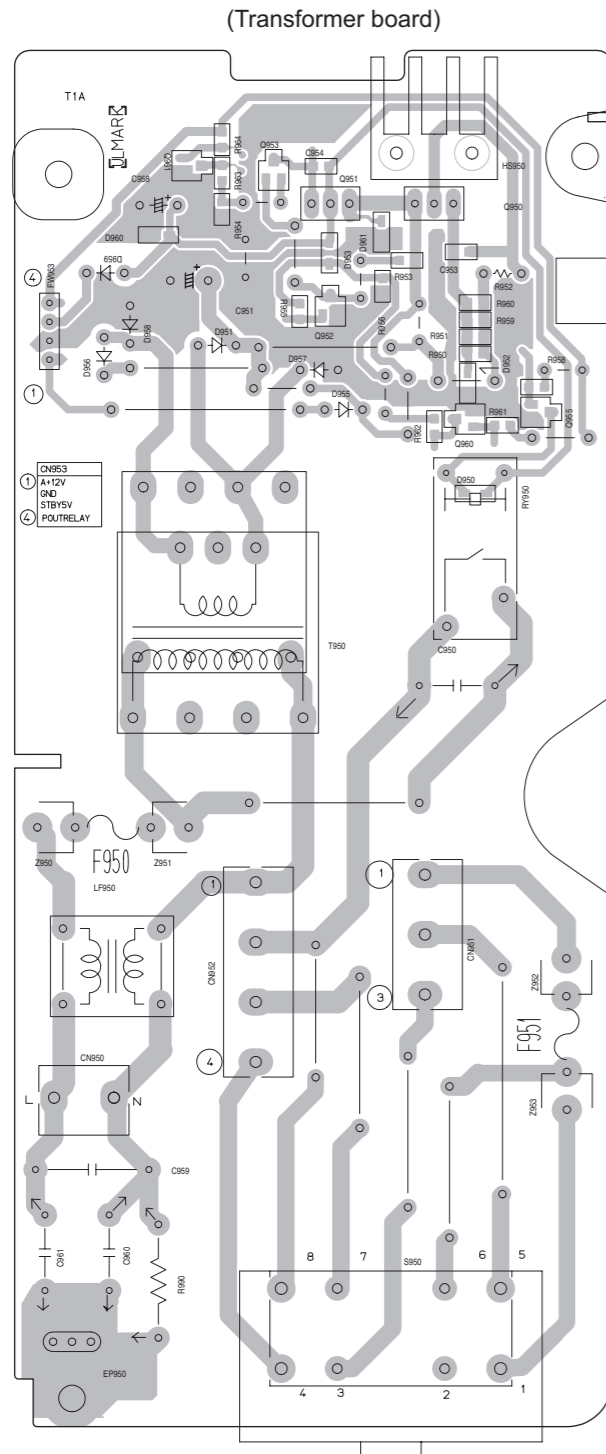
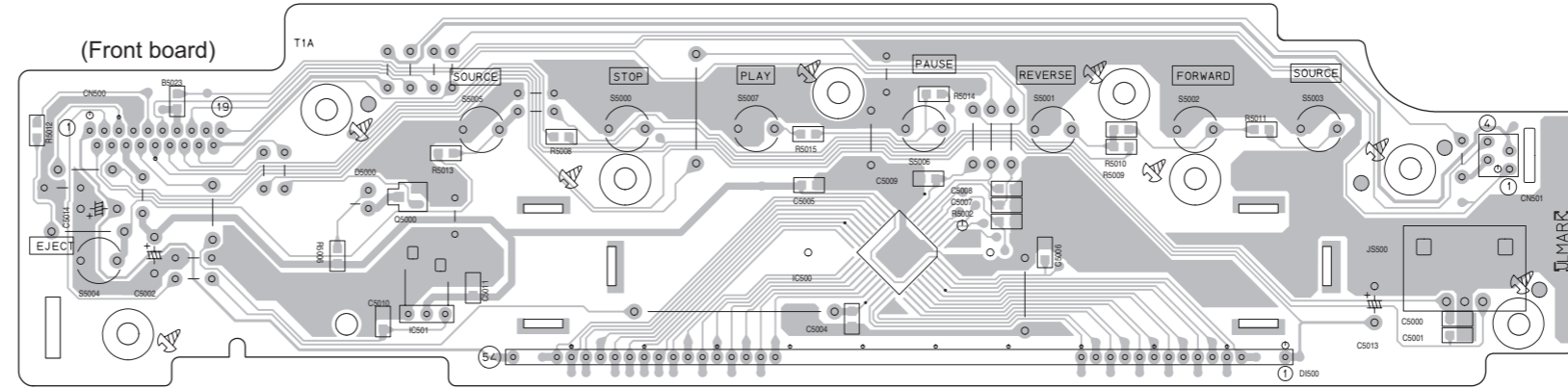
■ Main board

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

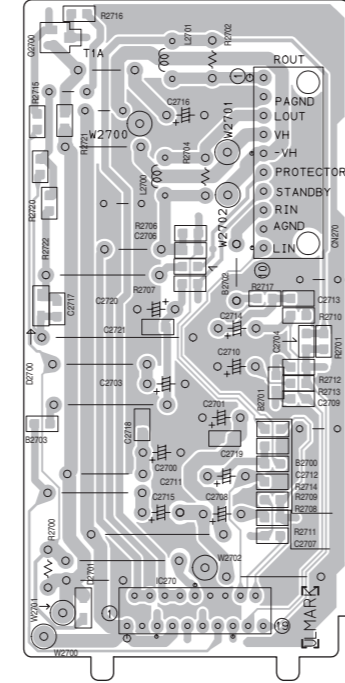


■ Trans board

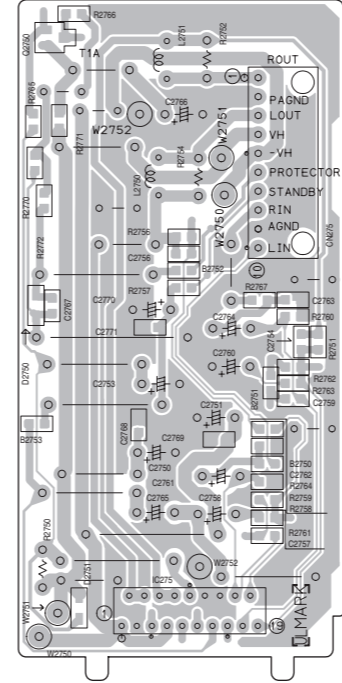
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



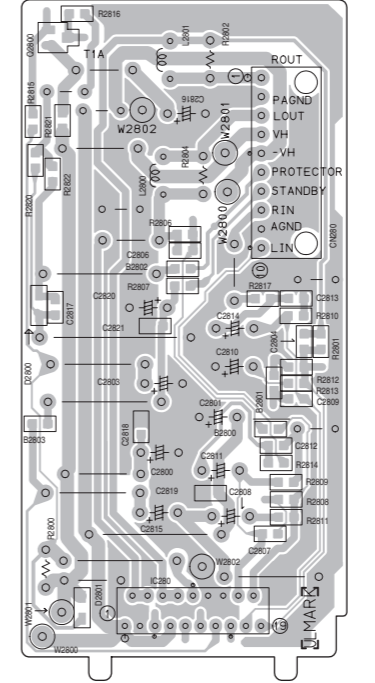
(FL & FR Power Amp. board)



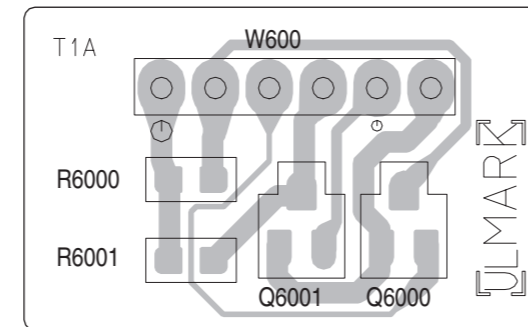
(SL & SR Power Amp. board)



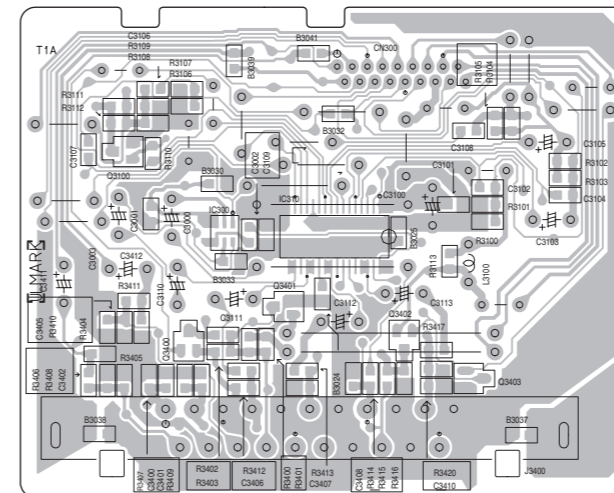
(CEN & SW Power Amp. board)



(Transistor board)



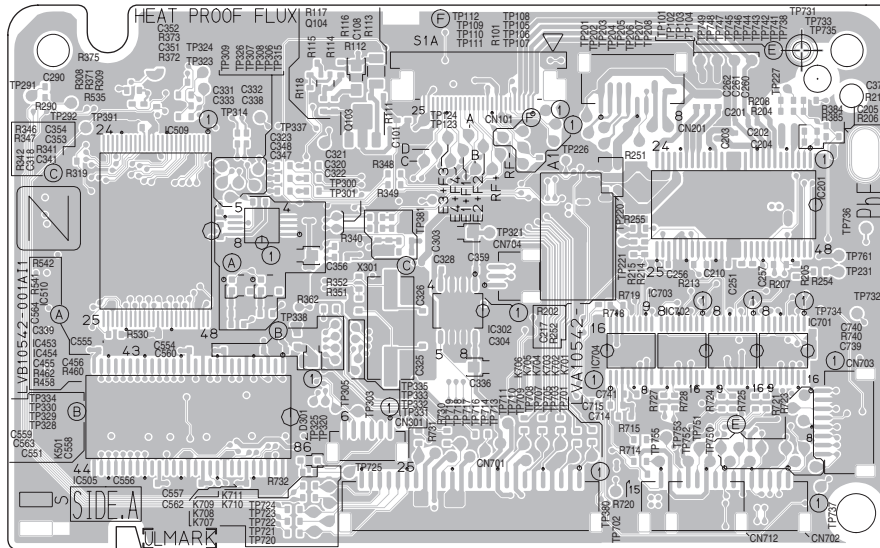
(Scart terminal board)



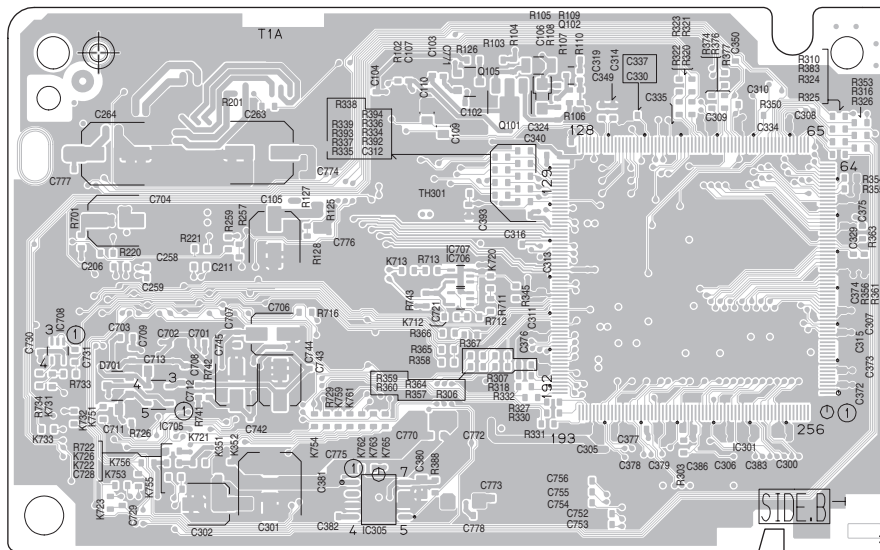
■ DVD servo control board

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

Forward side

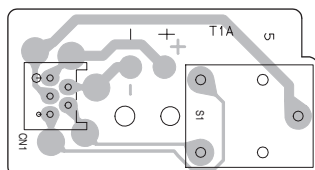


Reverse side



■ DVD loading switch board

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



JVC

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