

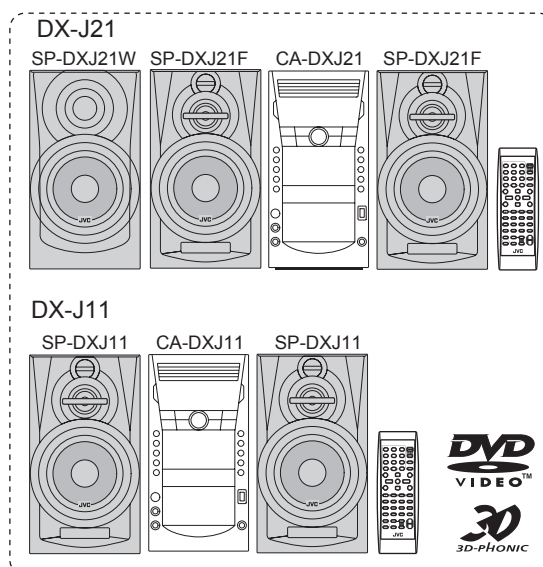
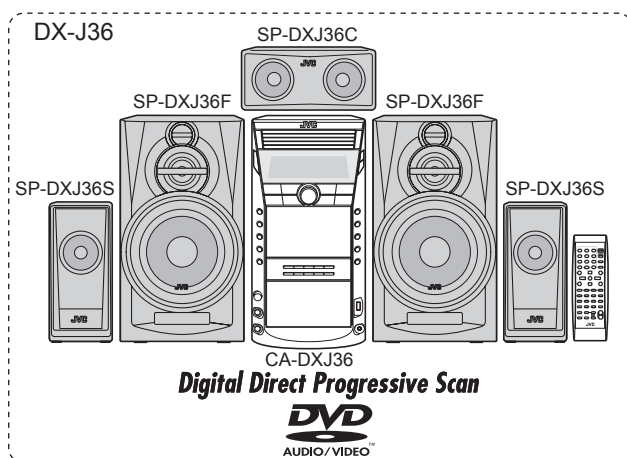
JVC

SCHEMATIC DIAGRAMS

COMPACT COMPONENT SYSTEM

DX-J36UN,DX-J36EE,DX-J36UX,DX-J36UG
DX-J21UN,DX-J21J,DX-J21EE,DX-J21A
DX-J21UW,DX-J21UX,DX-J21UG
DX-J11UN,DX-J11EE,DX-J11UW
DX-J11UX,DX-J11UG,DX-J11UH

DVD-ROM No.SML2008Q1



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

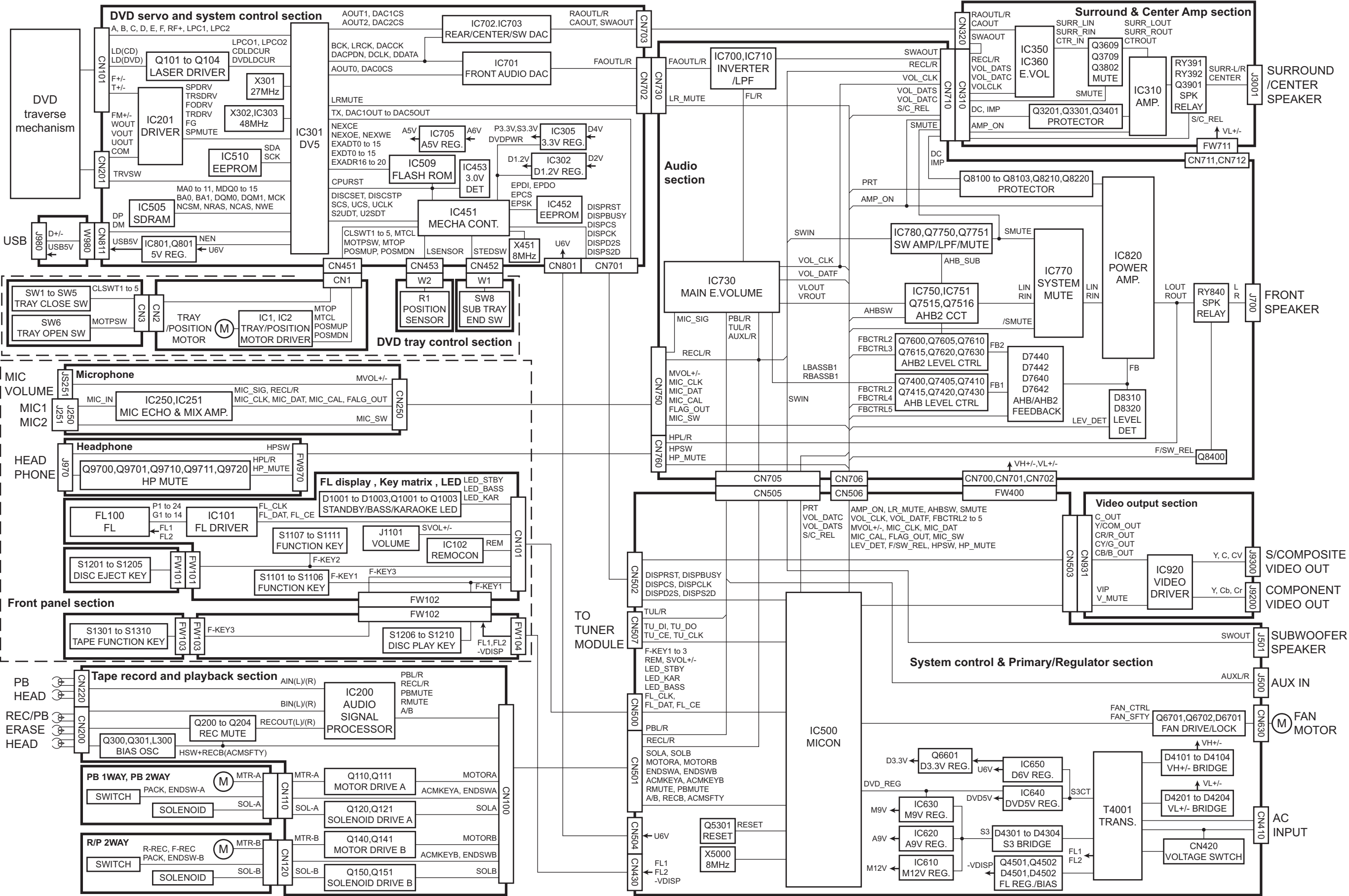
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

Contents

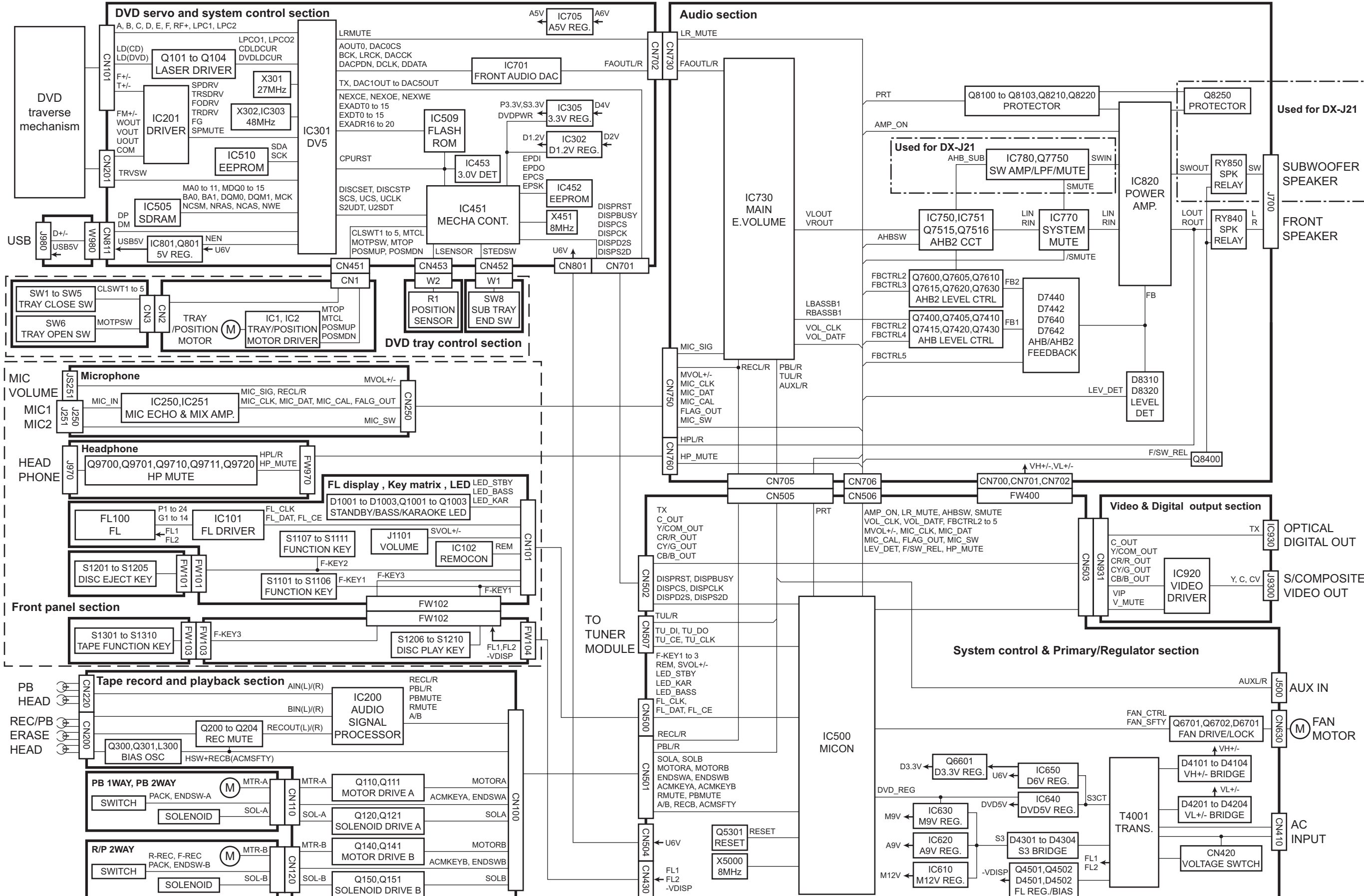
Block diagrams	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-20 to 22

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 "A" mark nearby are critical for safety.

Block diagram (For DX-J36)

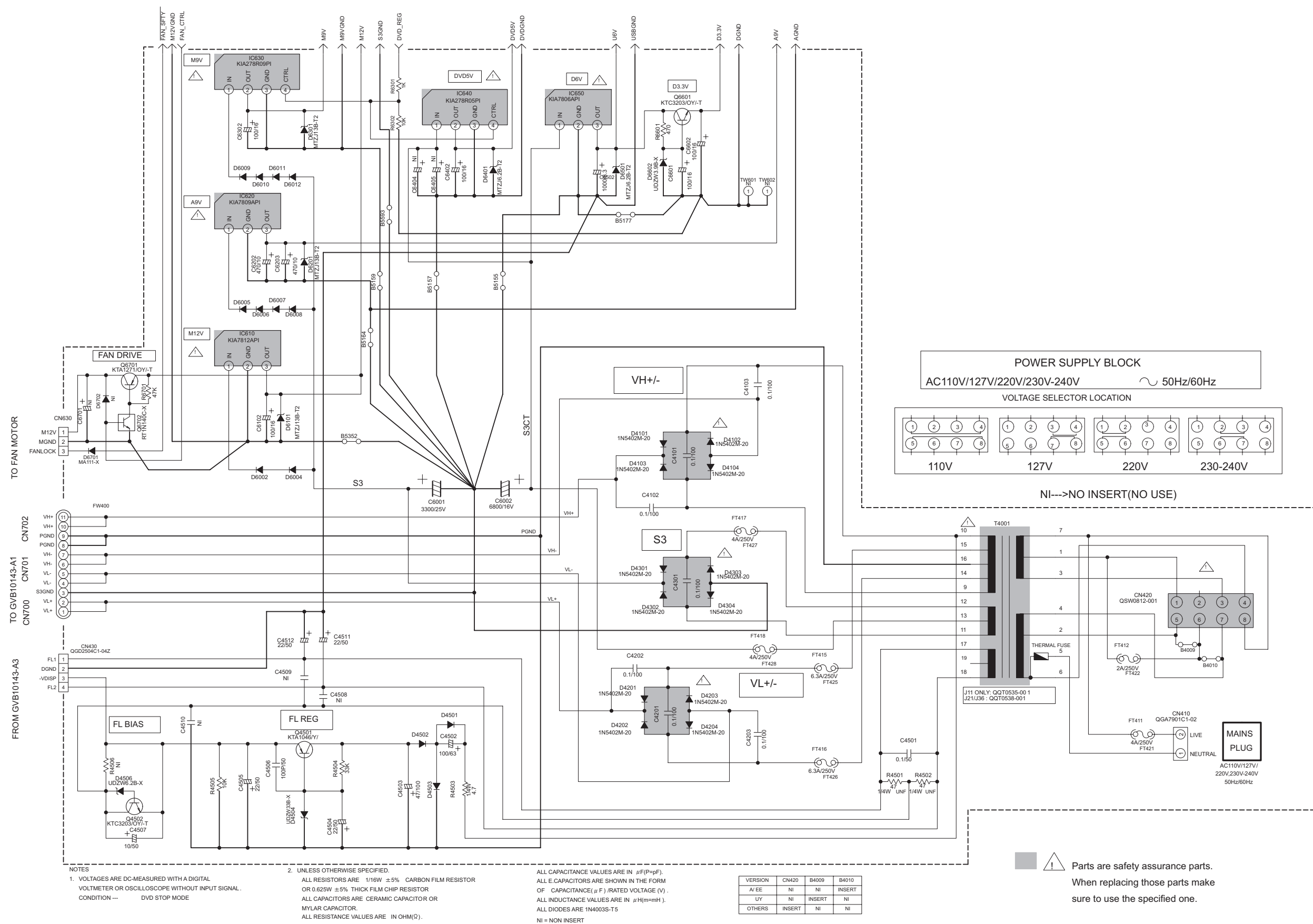


Block diagram (For DX-J11 and DX-J21)

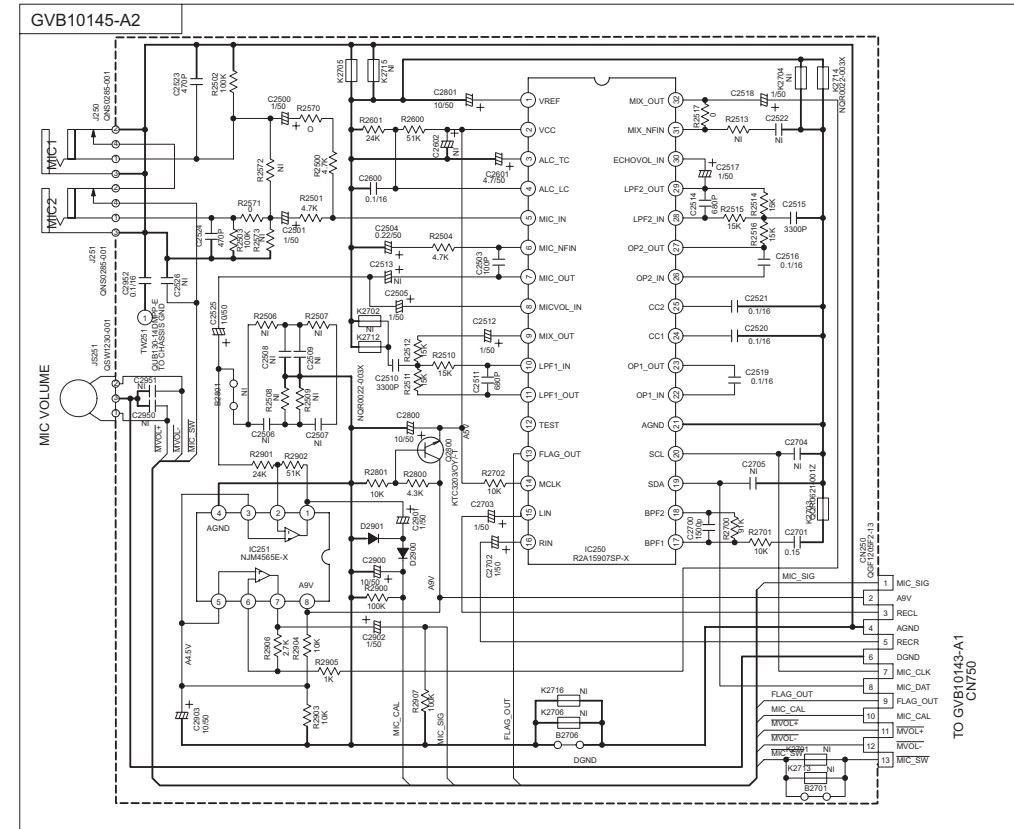
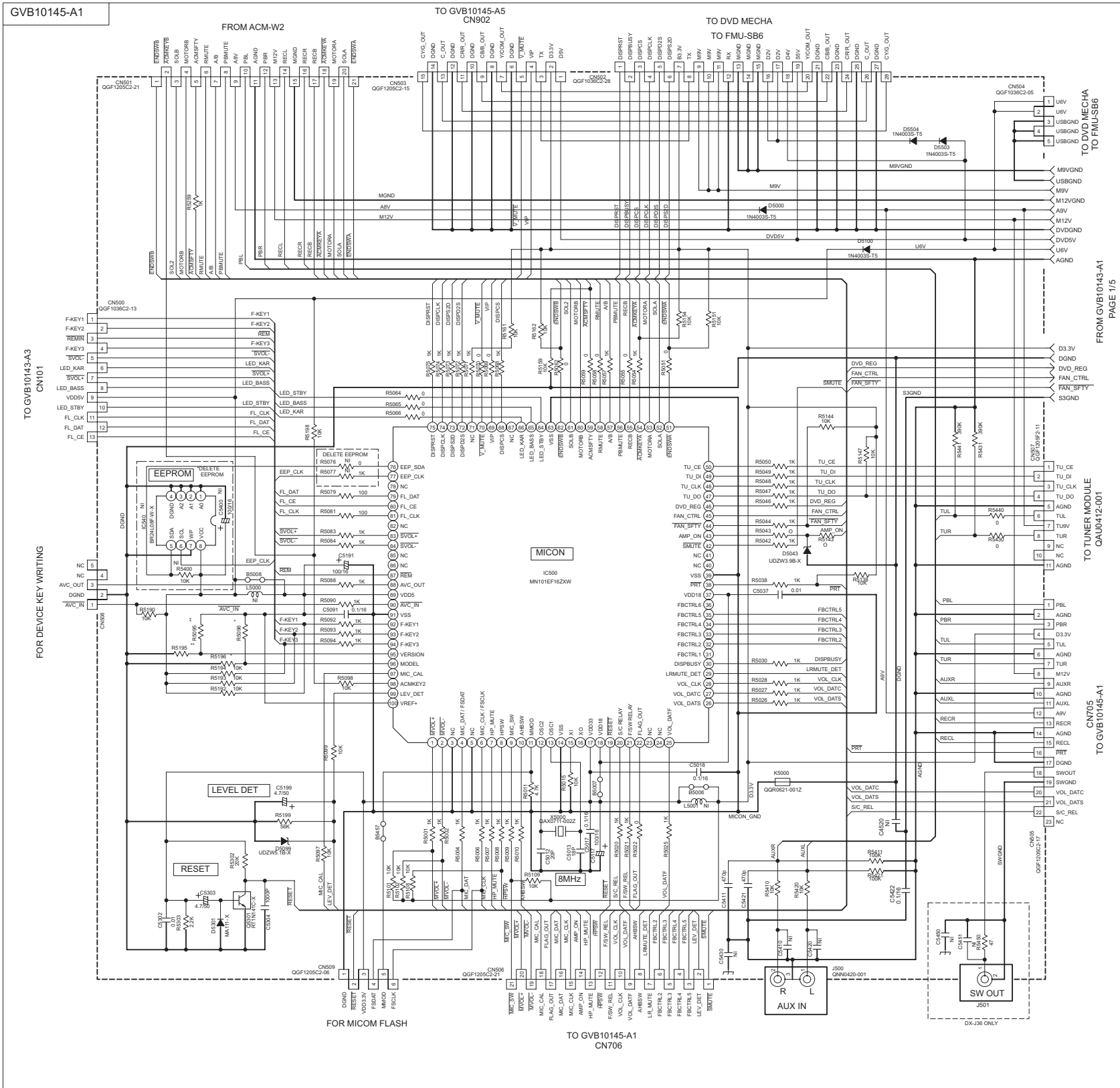


Standard schematic diagrams

■ Primary section (DX-J36)



■ Micom section (DX-J36)



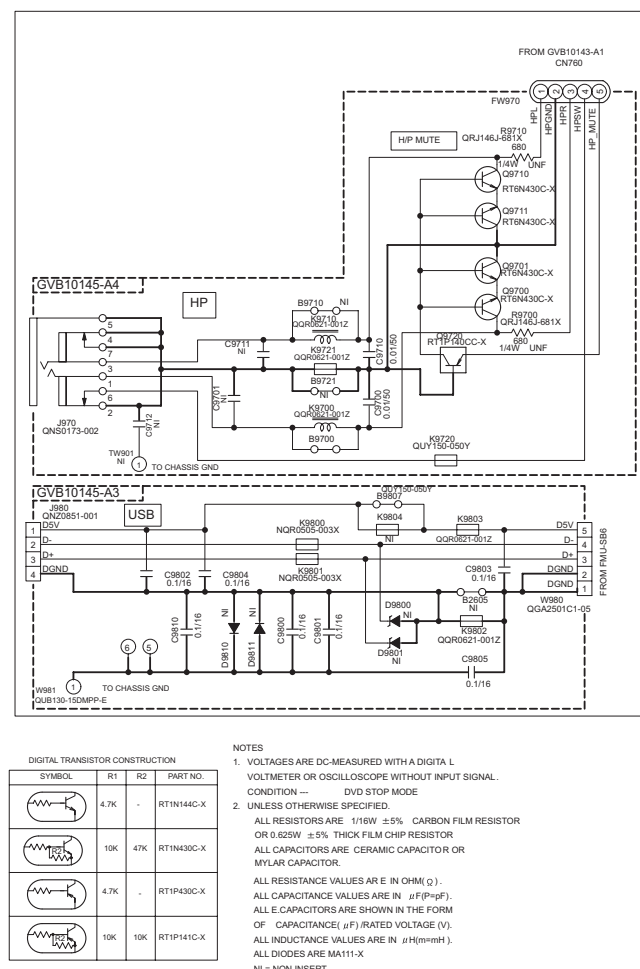
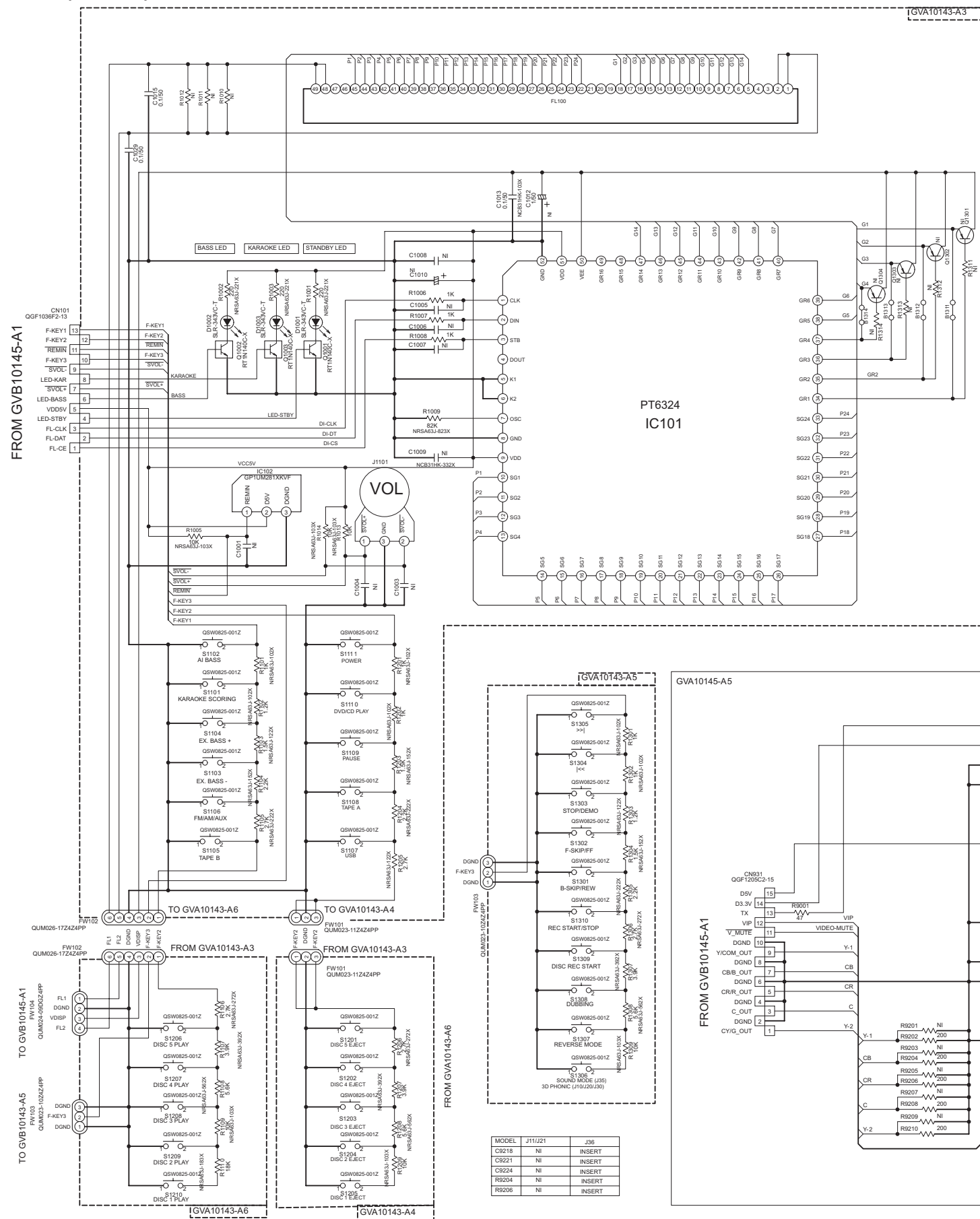
- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITA L VOLTMETER OR OSCILSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP MODE
 2. UNLESS OTHERWISE SPECIFIED,
 - ALL RESISTORS ARE $\pm 1\%$ CARBON FILM RESISTOR
 - OR $0.625W \pm 1\%$ THICK FILM CHIP RESISTOR
 - ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
 - ALL RESISTANCE VALUES ARE E IN OHM (Ω)
 - ALL CAPACITANCE VALUES ARE n IN $(\mu F/PF)$.
 - ALL CAPACITORS ARE RATED IN THE FORM OF CAPACITANCE (μF) ROWN VOLTAGE (V).
 - ALL INDUCTANCE VALUES ARE m IN (mH/mH) .
 - ALL FERRITE BEADS ARE QOR0021-001Z
 - NI = NON INSERT

DIGITAL TRANSISTOR CONSTRUCTION			
SYMBOL	R1	R2	PART NO.
	4.7K	-	RT1N144C-X
	10K	47K	RT1N430C-X
	4.7K	-	RT1P430C-X
	10K	10K	RT1P141C-X

* MODEL INDICATION			
	J11	J21	J36
R5096	10K	10K	10K
R5196	NIL	NIL	15K

	R5095	R5195
US/UN/UH/A	10K	NIL
UW/UJ	10K	18K
UX/UG	10K	5.8K
EE	NIL	10K

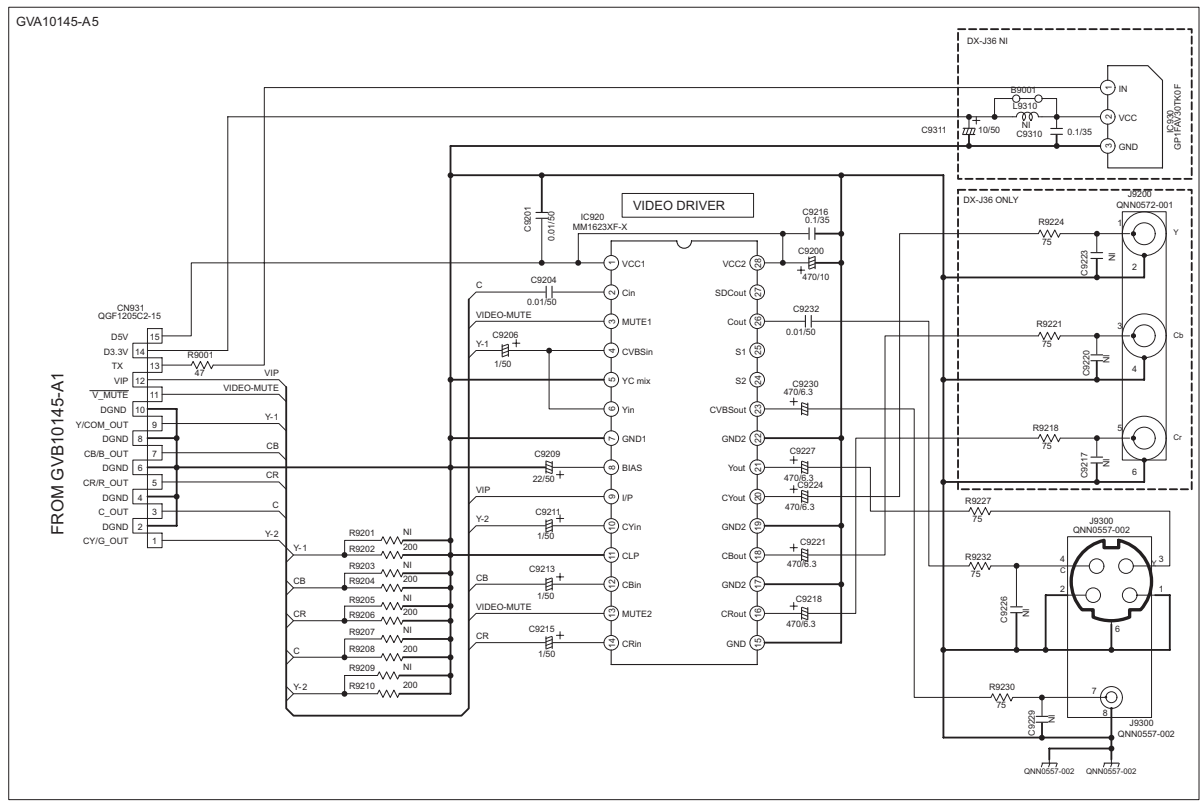
■ Front section (DX-J36)



SYMBOL	R1	R2	PART NO.
	4.7K	-	RT1N144C-X
	10K	47K	RT1N430C-X
	4.7K	-	RT1P430C-X
	10K	10K	RT1P141C-X

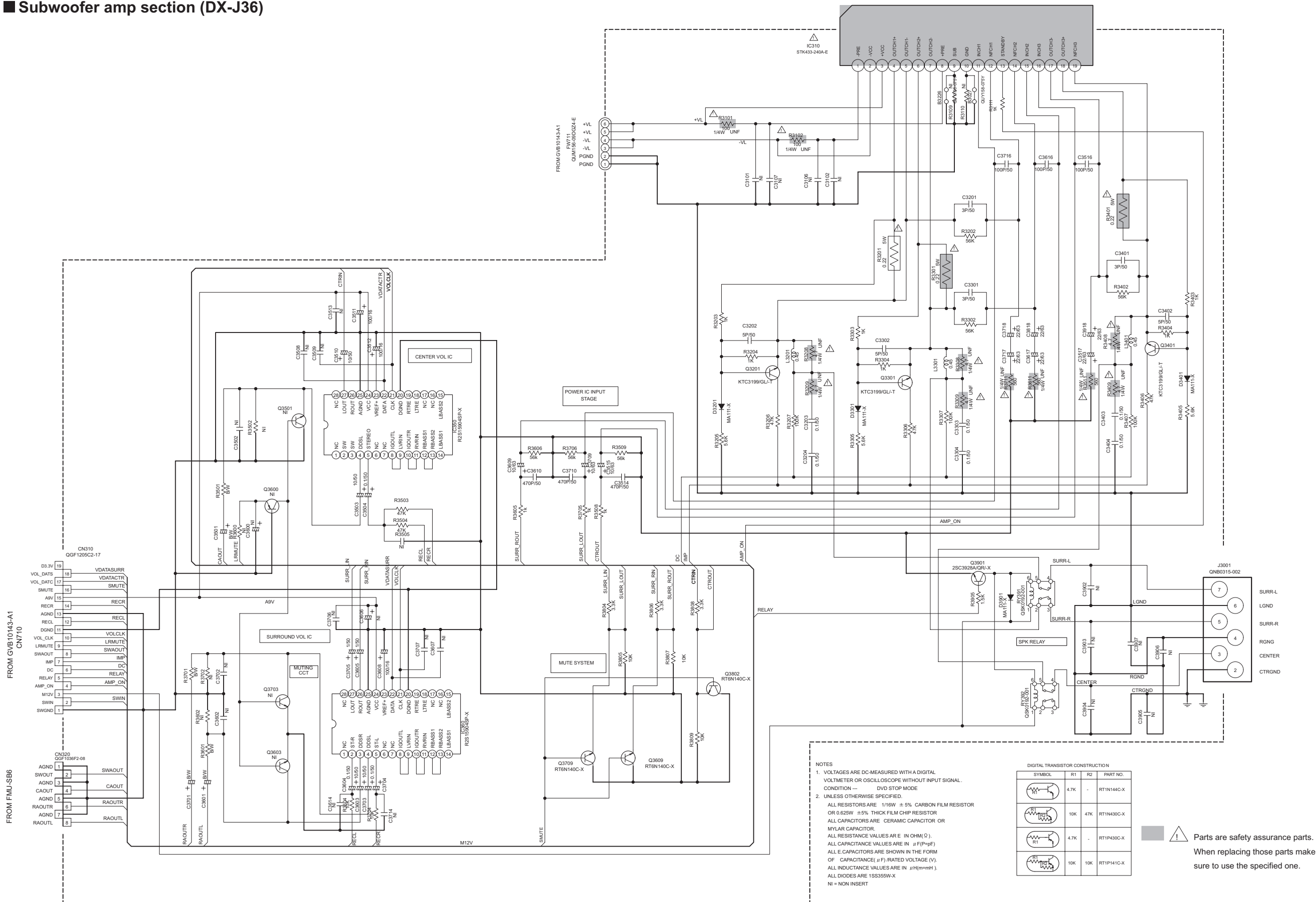
NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT-METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION — DVD STOP MODE.
- UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/16W ±5% CARBON FILM RESISTOR OR 0.625W ±5% THICK FILM CHIP RESISTOR. ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM (Ω). ALL CAPACITANCE VALUES ARE IN μF (μF). ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) RATED VOLTAGE (V). ALL INDUCTANCE VALUES ARE IN μH (mH). ALL DIODES ARE MA111-X. NI = NON INSERT.

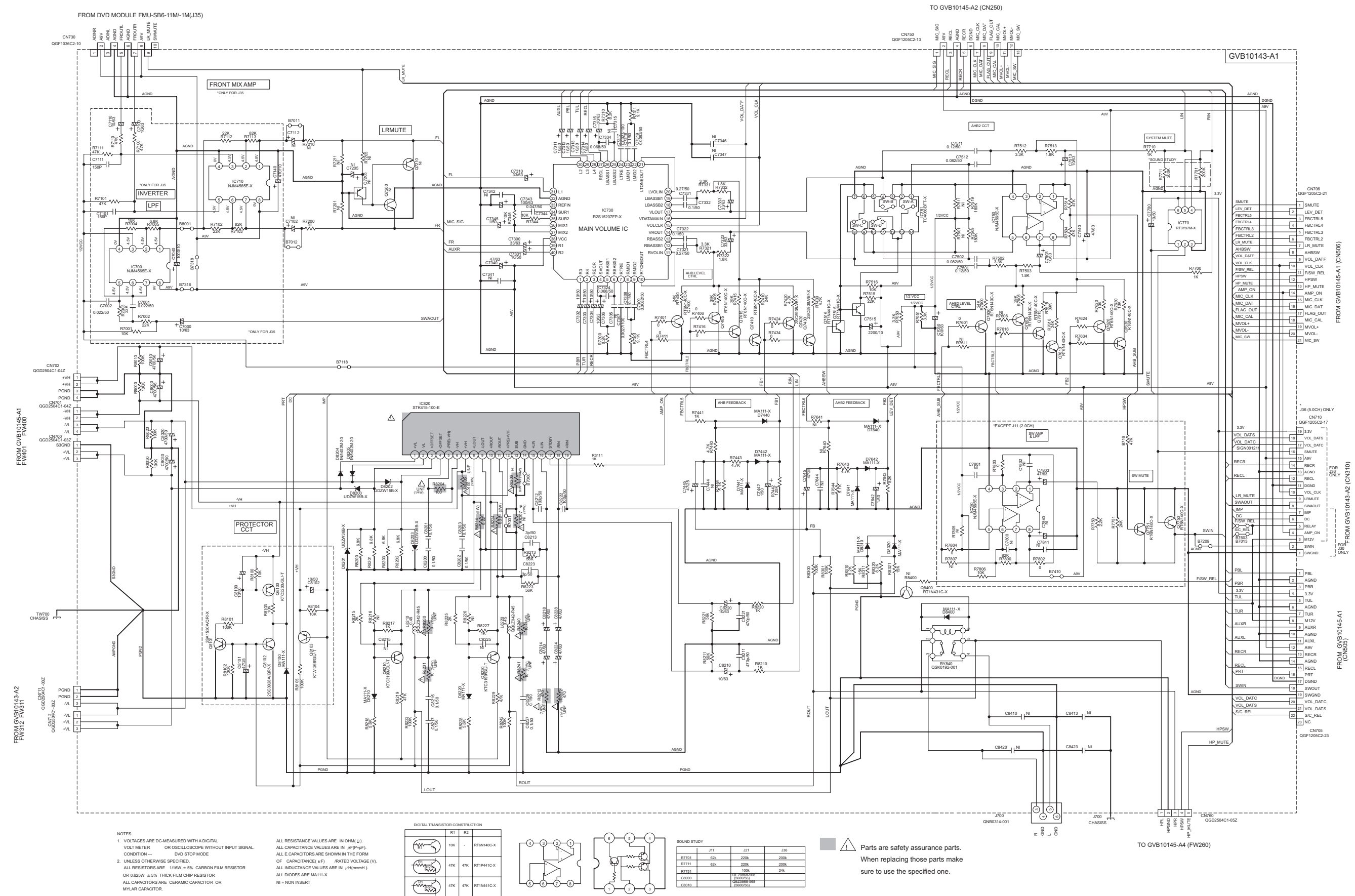


MODEL	J11J21	J36
C9216	NI	INSERT
C9221	NI	INSERT
C9224	NI	INSERT
R9204	NI	INSERT
R9206	NI	INSERT

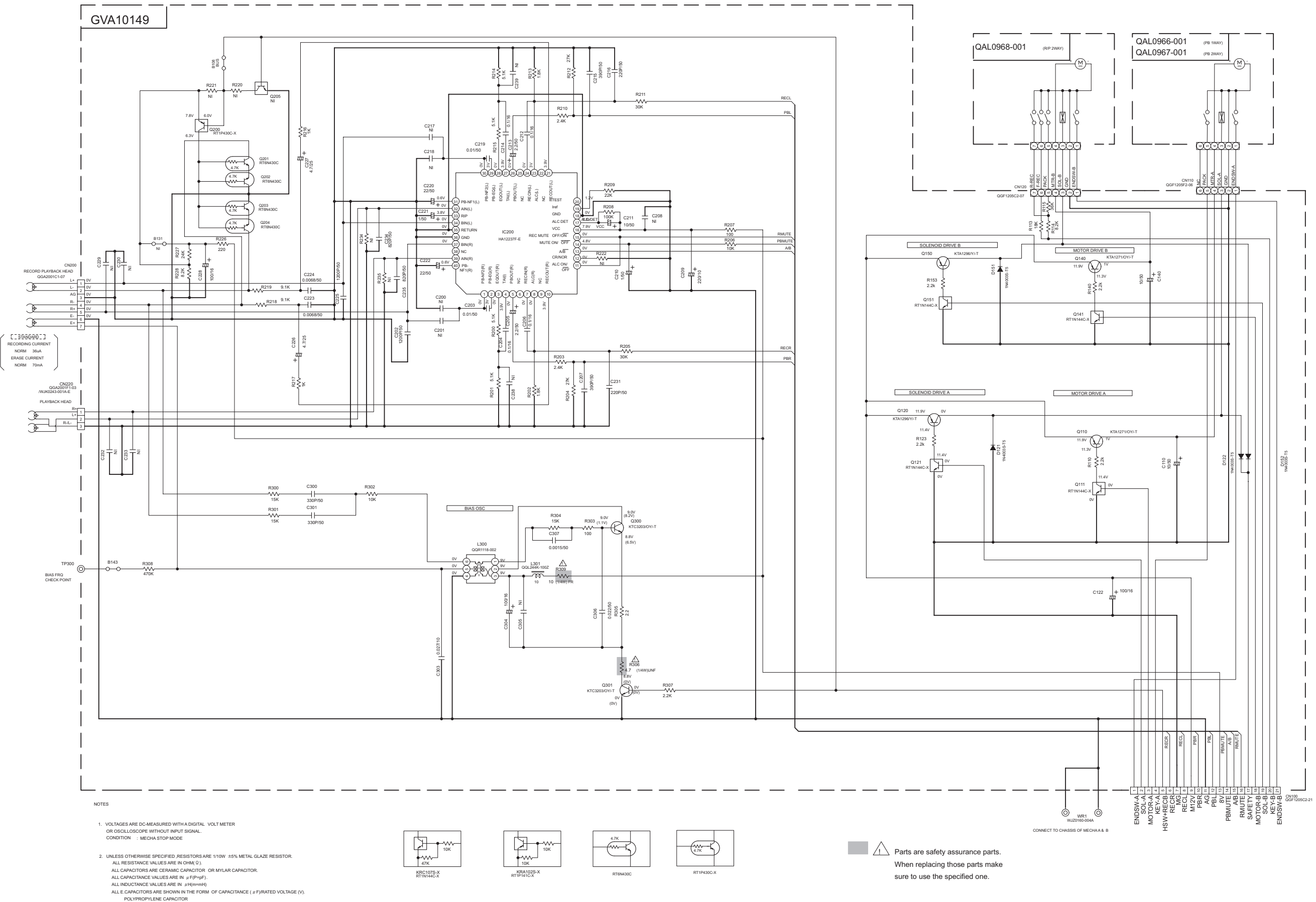
■ Subwoofer amp section (DX-J36)



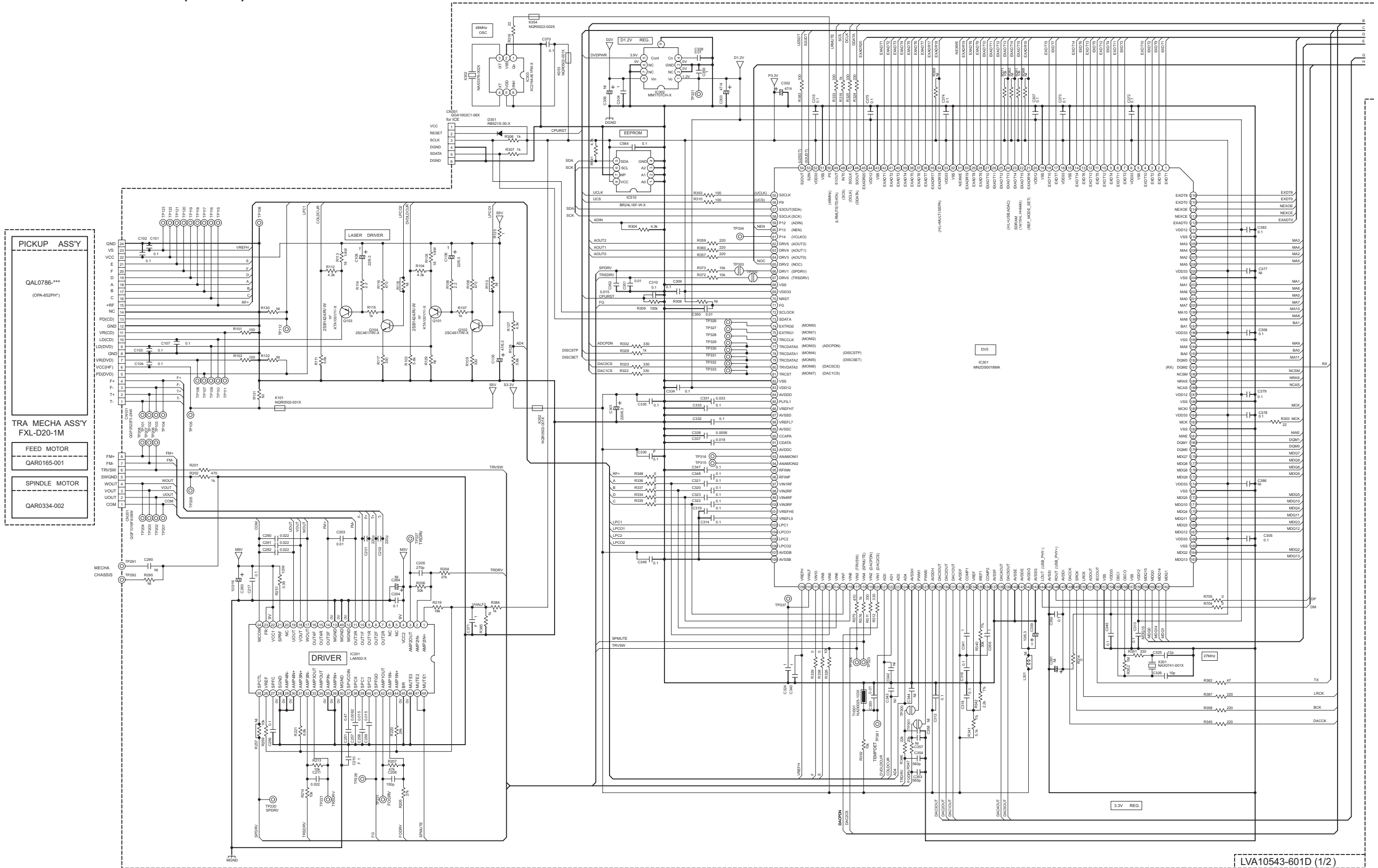
■ Audio section (DX-J36)



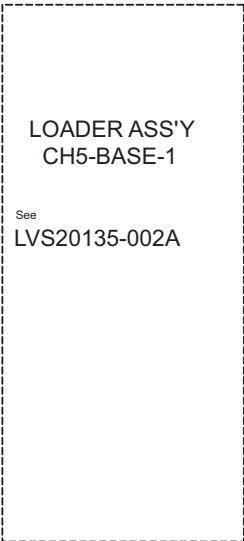
■ Cassette control section (DX-J36)



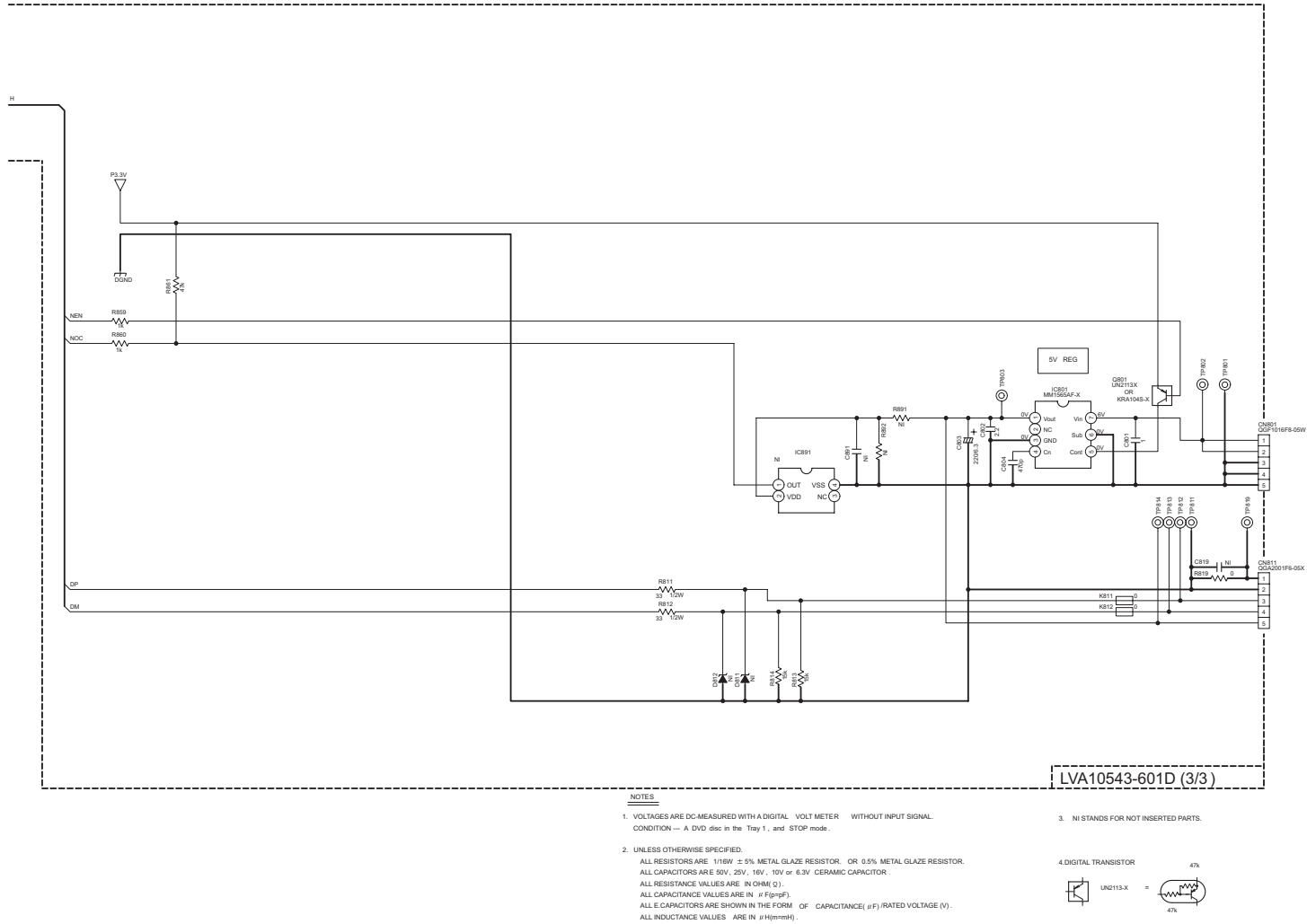
■ Front end section 1 (DX-J36)



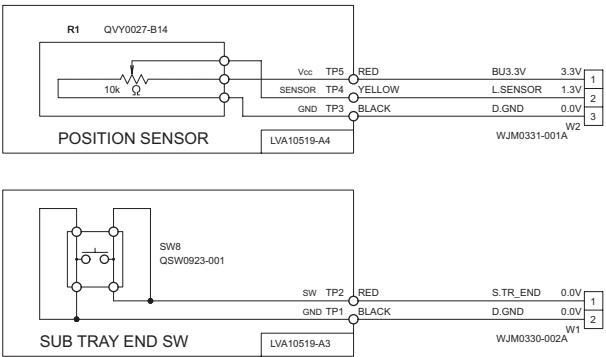
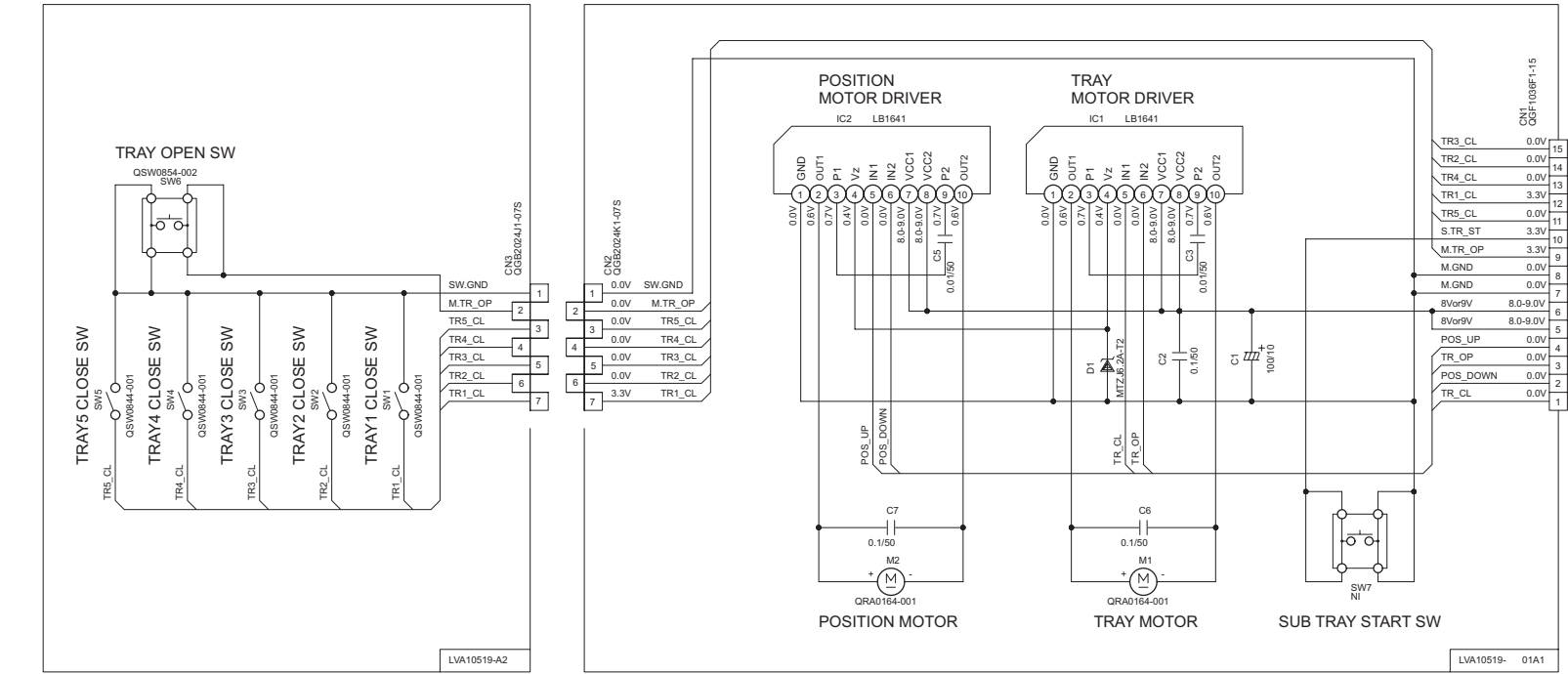
■ Front end section 2 (DX-J36)



■ Front end section 3 (DX-J36)

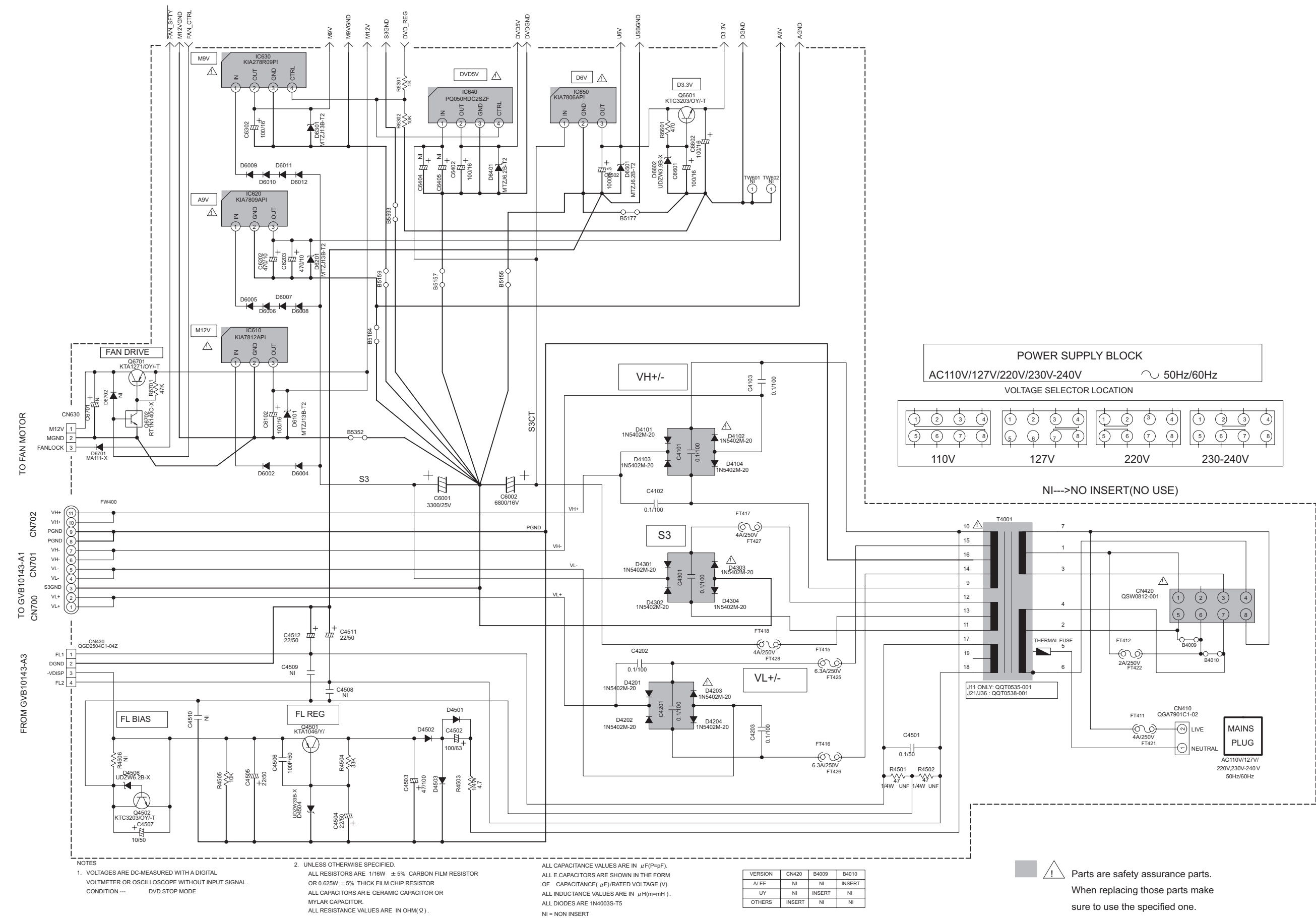


■ Loader section (DX-J36)

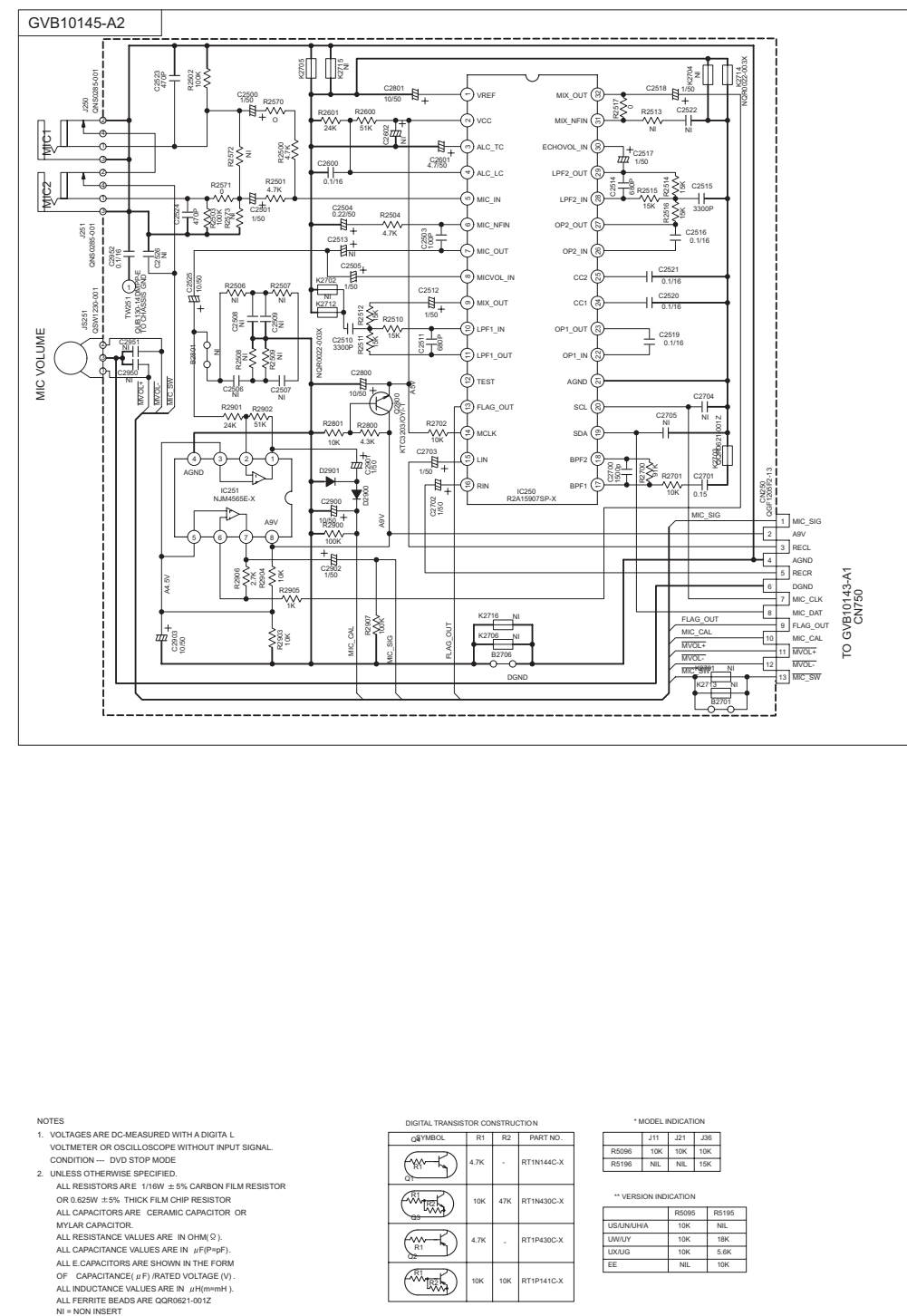
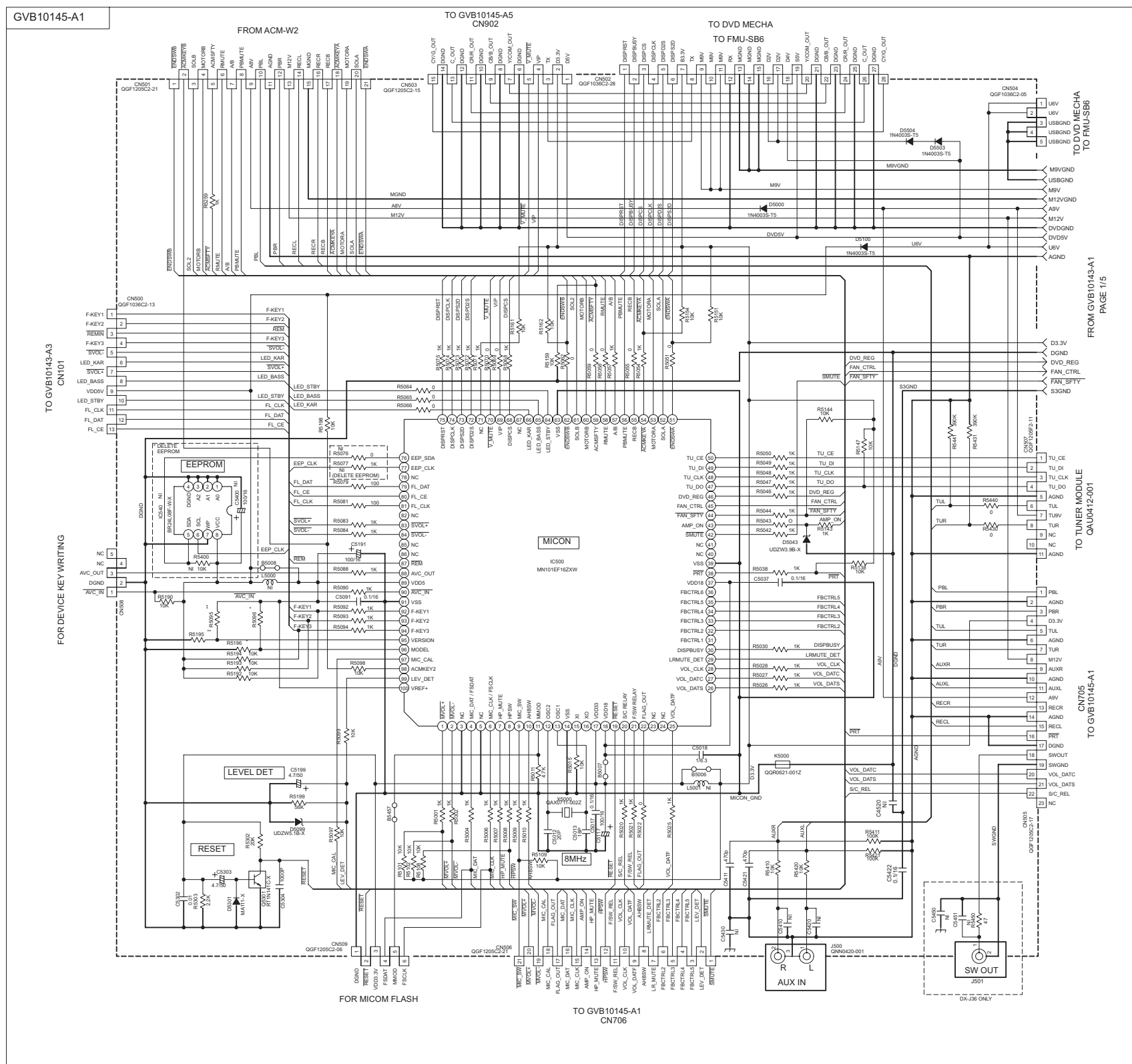


- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER. CONDITION: DISC1 STOP
 - UNLESS OTHERWISE SPECIFIED.
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) / RATED VOLTAGE (V).
 - NI STANDS FOR NOT INSERTED PARTS.

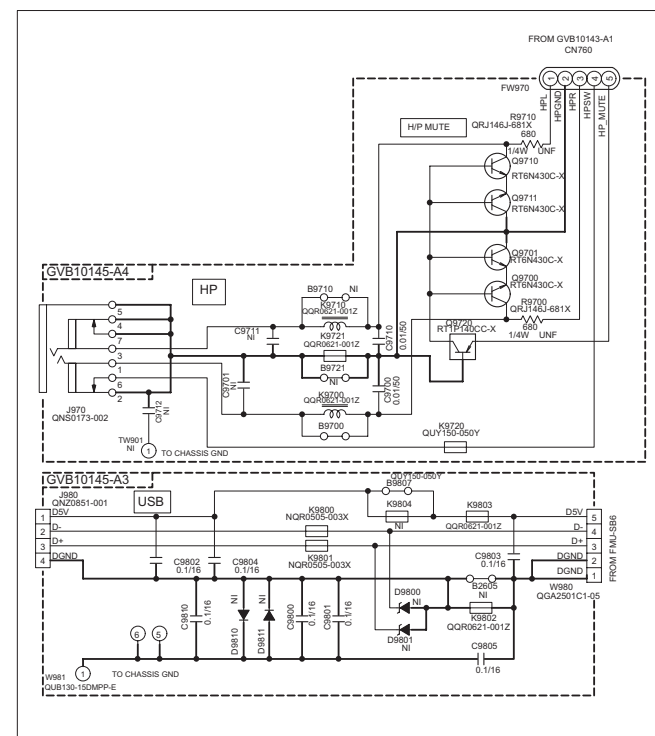
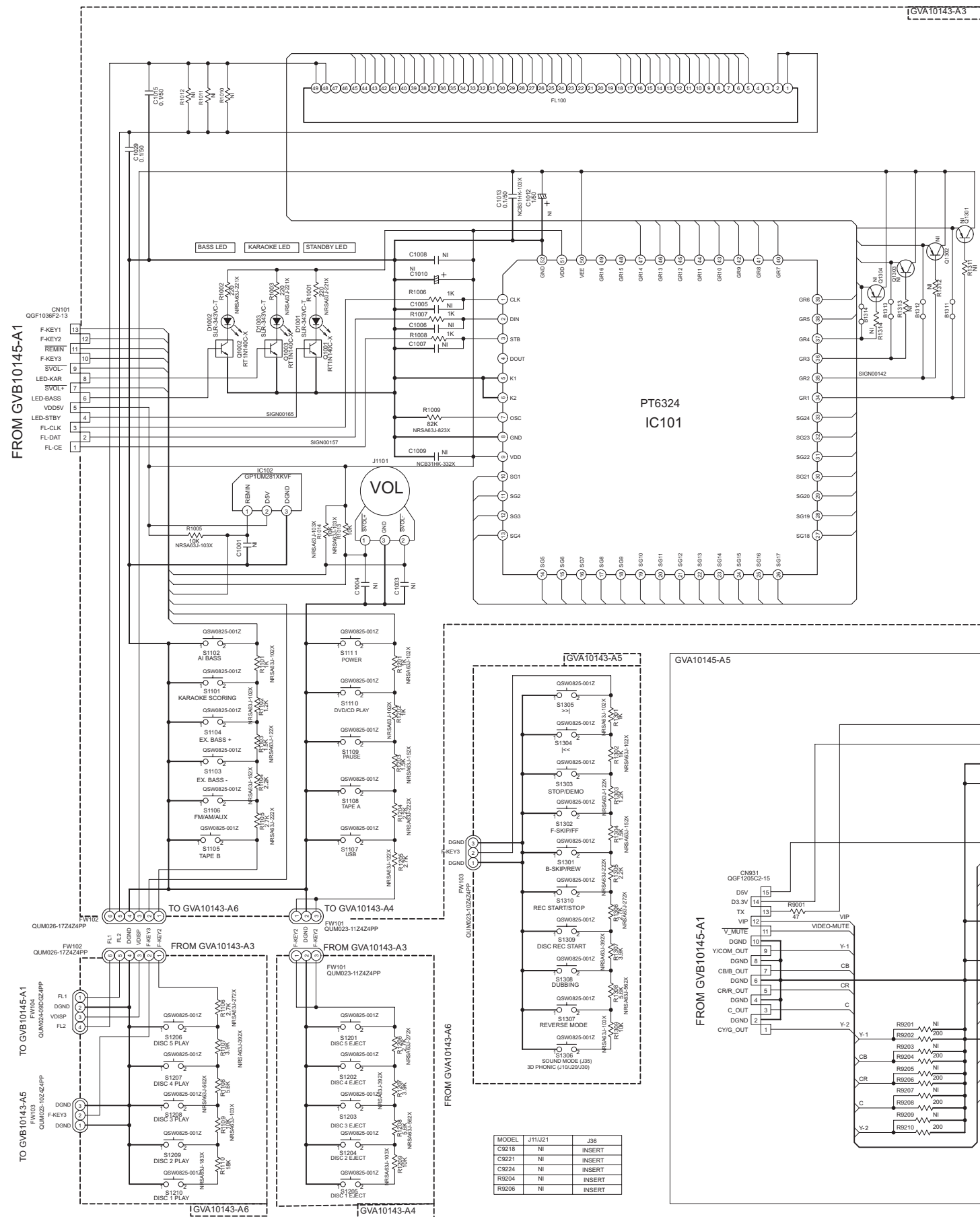
■ Primary section (DX-J21,DX-J11)



■ Micom section (DX-J21,DX-J11)

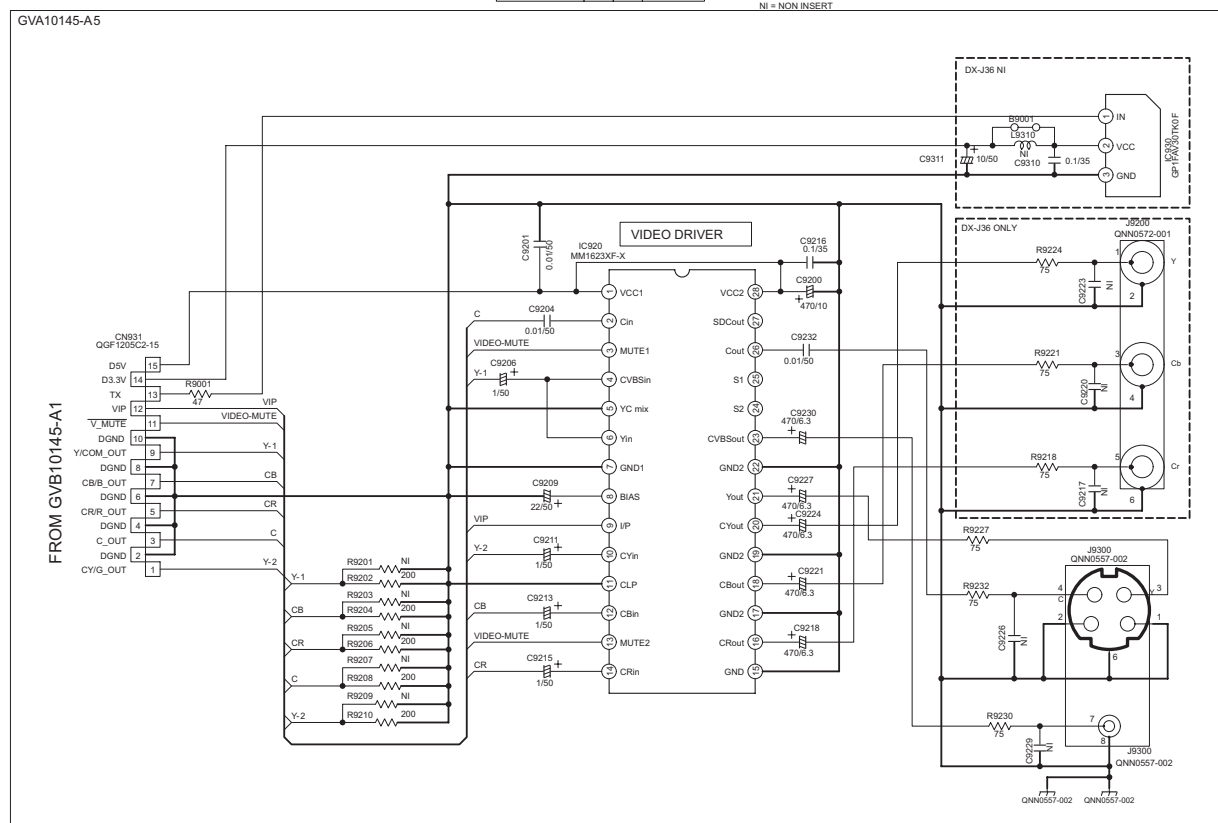


■ Front section (DX-J21,DX-J11)

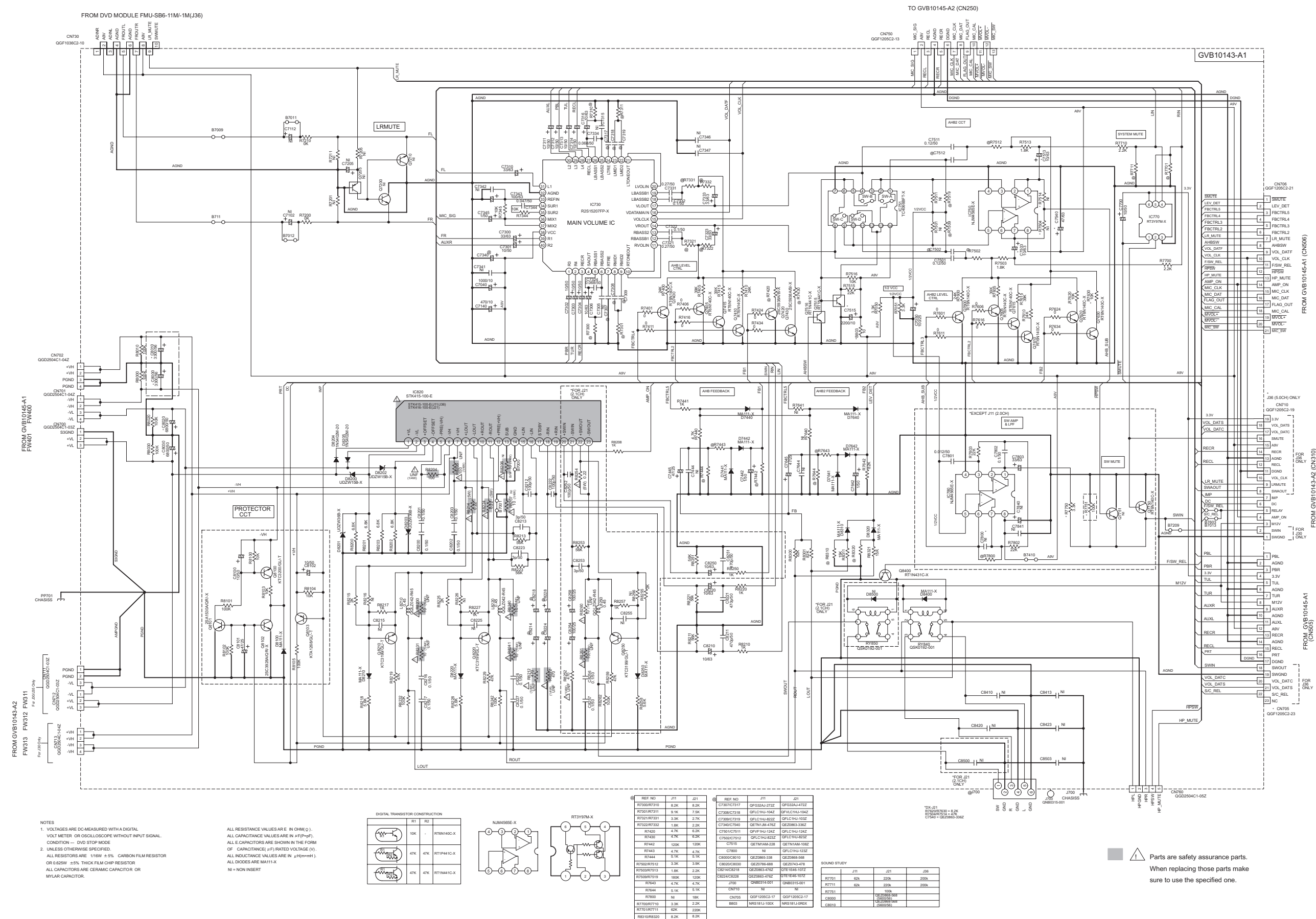


- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITA L VOLTMETER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION DVD STOP MODE
 2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W ± 5% CARBON FILM RESISTOR
OR 0.625W ± 5% THICK FILM CHIP RESISTOR
ALL CAPACITORS ARE CERAMIC CAPACITOR OR
MYLAR CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM (Ω).
ALL CAPACITANCE VALUES ARE IN μF(μF+P).
ALL E CAPACITORS ARE SHOWN IN THE FORM
OF CAPACITANCE(μF)/RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(mmmH).
ALL DIODES ARE MA111-X
NI = NON INSTANT

SYMBOL	R1	R2	PART NO.
	4.7K	-	RT1N144C-X
	10K	47K	RT1N1430C-X
	4.7K	-	RT1P1430C-X
	10K	10K	RT1P141C-X



■ Audio section (DX-J21,DX-J11)



■ Cassette control section (DX-J21,DX-J11)

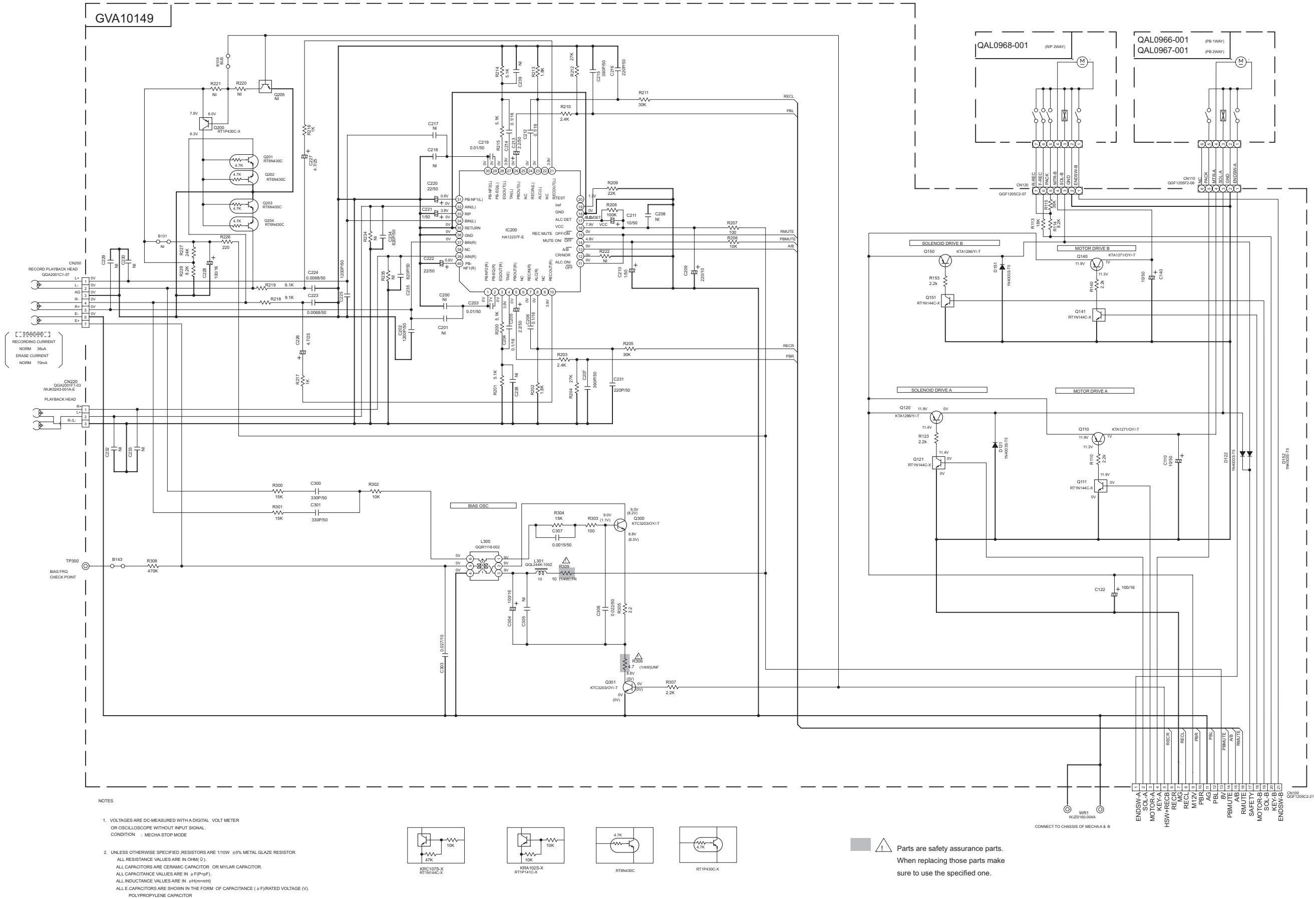
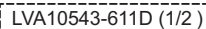


Diagram of the TRA MECHA ASSY (FXL-D20-1M) showing its components and part numbers:

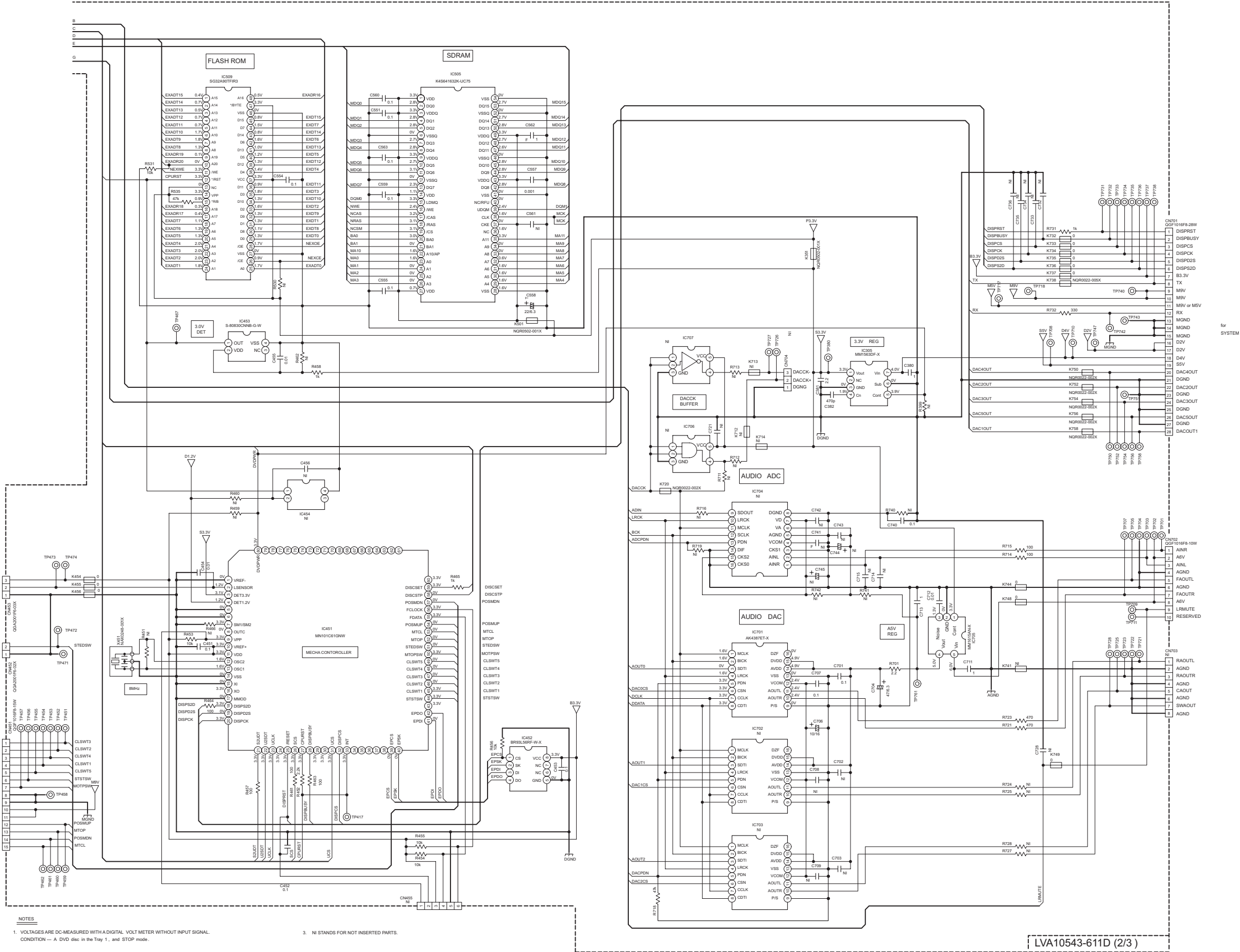
- PICKUP ASSY** (Top component)
- QAL0786-***** (Part number for Pickup Assy)
- (OPR-652PH*)** (Note for Pickup Assy)
- TRA MECHA ASSY FXL-D20-1M** (Main assembly)
- FEED MOTOR** (Bottom component)
- QAR0165-001** (Part number for Feed Motor)
- SPINDLE MOTOR** (Bottom component)
- QAR0334-002** (Part number for Spindle Motor)



■ Front end section 2 (DX-J21,DX-J11)

LOADER ASS'Y
CH5-BASE-1

See
LVS20135-002A



NOTES

3. NI STANDS FOR NOT INSERTED PARTS

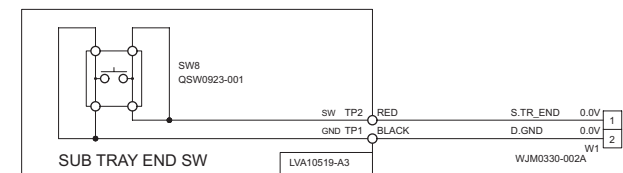
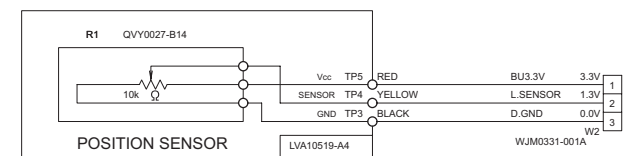
4.DIGITAL TRANSISTOR



The diagram illustrates the electrical connections for the LVA10519-A2 motor assembly. It features several input switches and two motor drivers.

- TRAY5 CLOSE SW:** A 5-pin switch (SW5) with pins 1-5 connected to TR5_CL, TR4_CL, TR3_CL, TR2_CL, and TR1_CL respectively.
- TRAY OPEN SW:** A 2-pin switch (SW6) with pins 1-2 connected to QSW0854-002 and SW6.
- TRAY1-4 CLOSE SWs:** Four 2-pin switches (SW1-SW4) with pins 1-4 connected to QSW0844-001 and SW1-SW4 respectively.
- POSITION MOTOR:** A motor (M2) driven by IC2 (LB1641). It has a 0.1/50 capacitor (C7) and a 0.01/50 capacitor (C5) connected to its pins.
- TRAY MOTOR:** A motor (M1) driven by IC1 (LB1641). It has a 0.1/50 capacitor (C8) and a 0.01/50 capacitor (C5) connected to its pins.
- SUB TRAY START SW:** A 2-pin switch (SW7) with pins 1-2 connected to QSW0854-002 and SW7.

The diagram also shows the connection of the motor assembly to the LVA10519-A2 motor assembly via the CN1 connector.

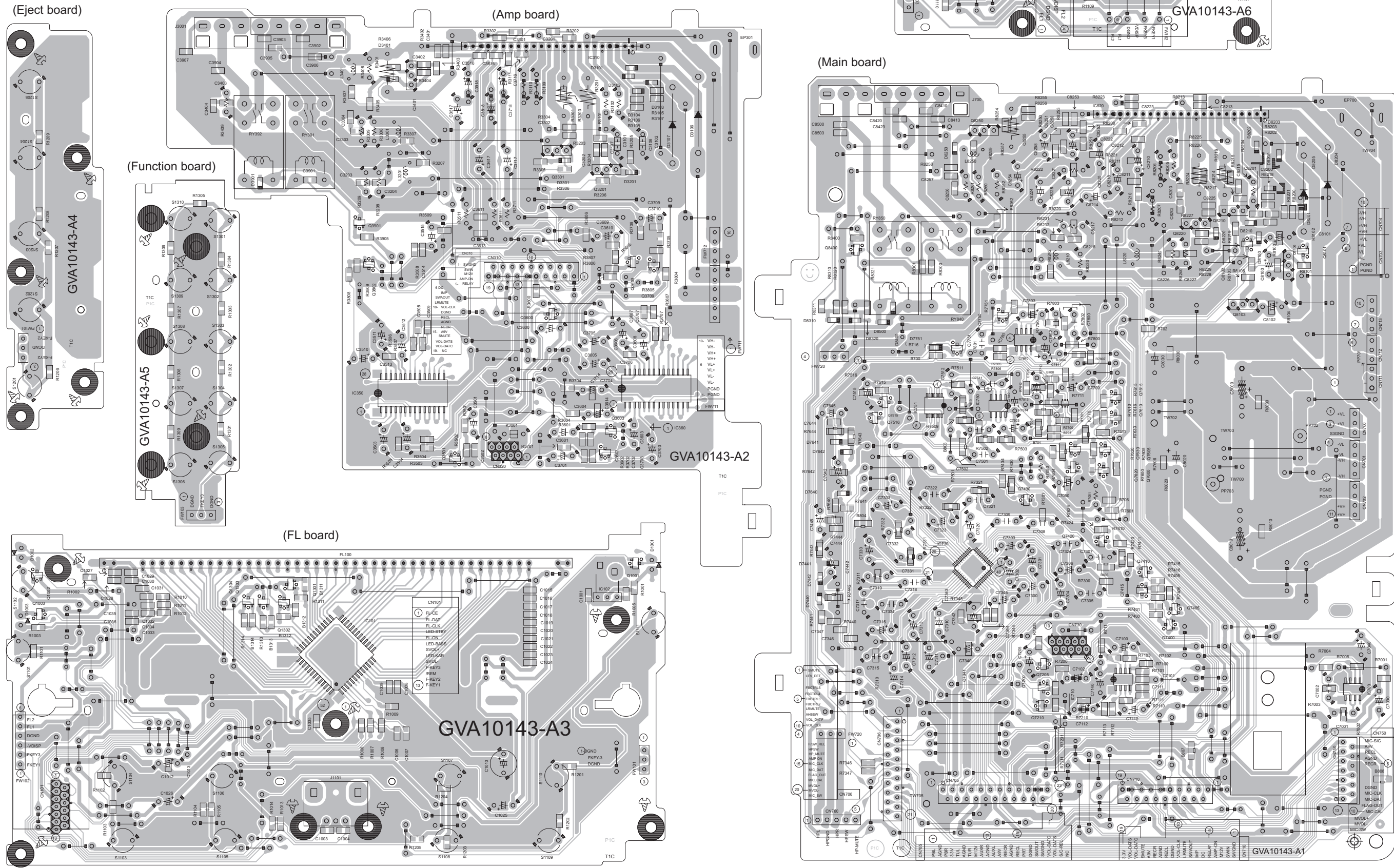


NOTES

- 2-19

Printed circuit board

- 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)



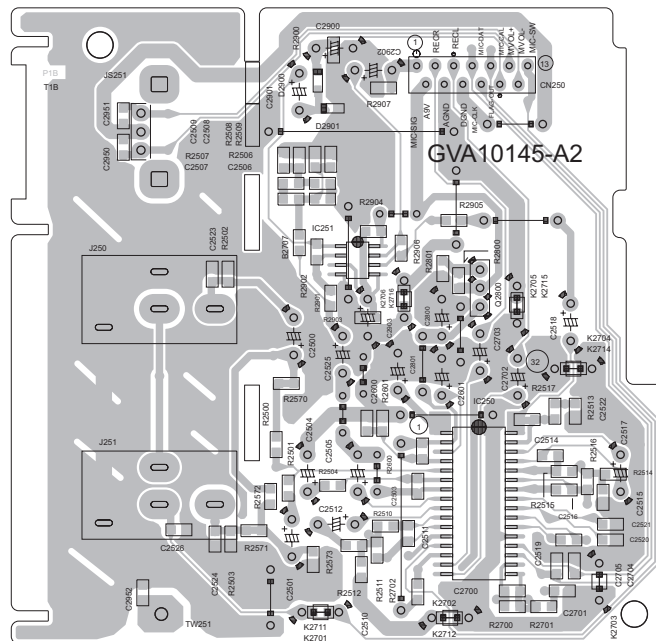
■ Micom board	Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)
	Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

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

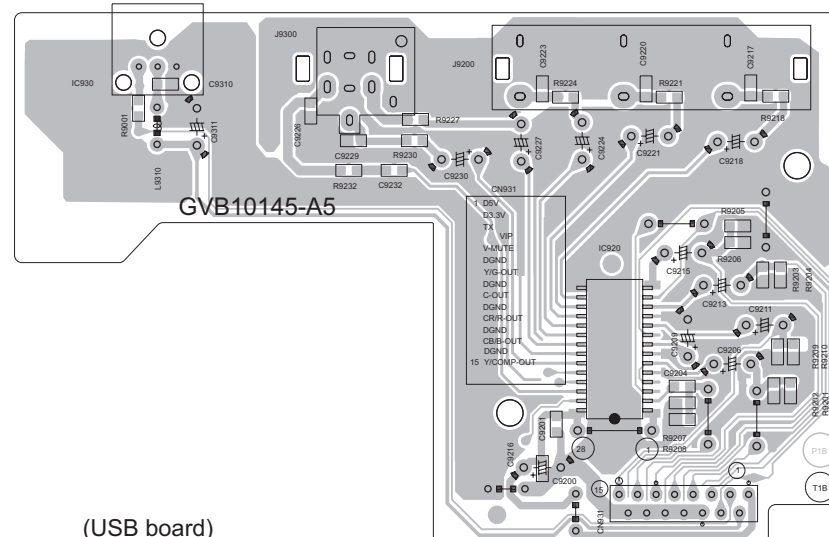
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

(Micom board)

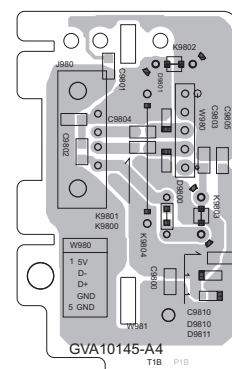
(Mic board)



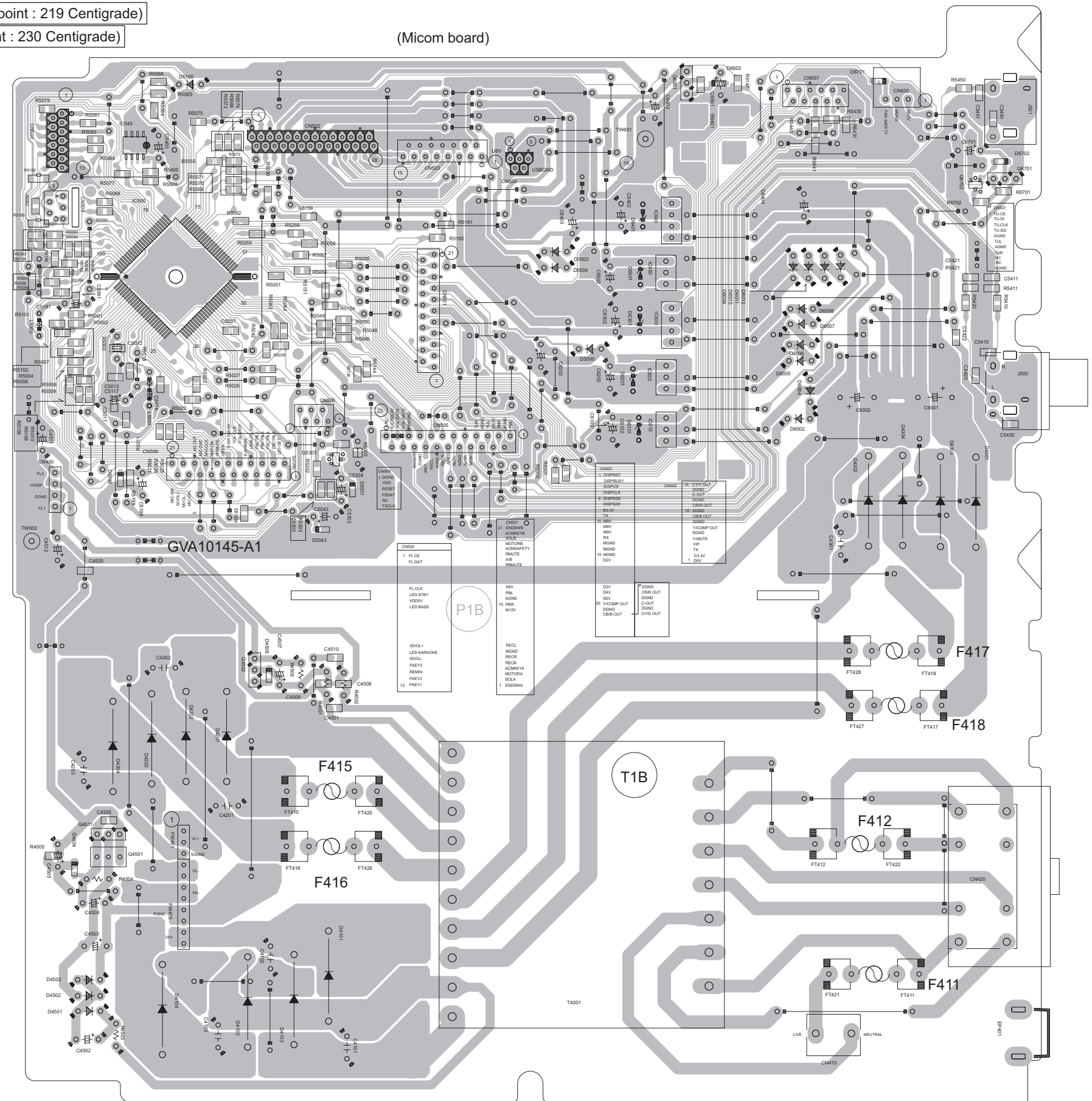
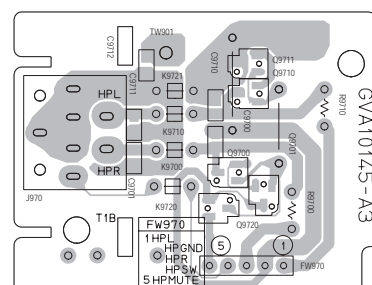
(Video board)



(USB board)



(Headphone board)

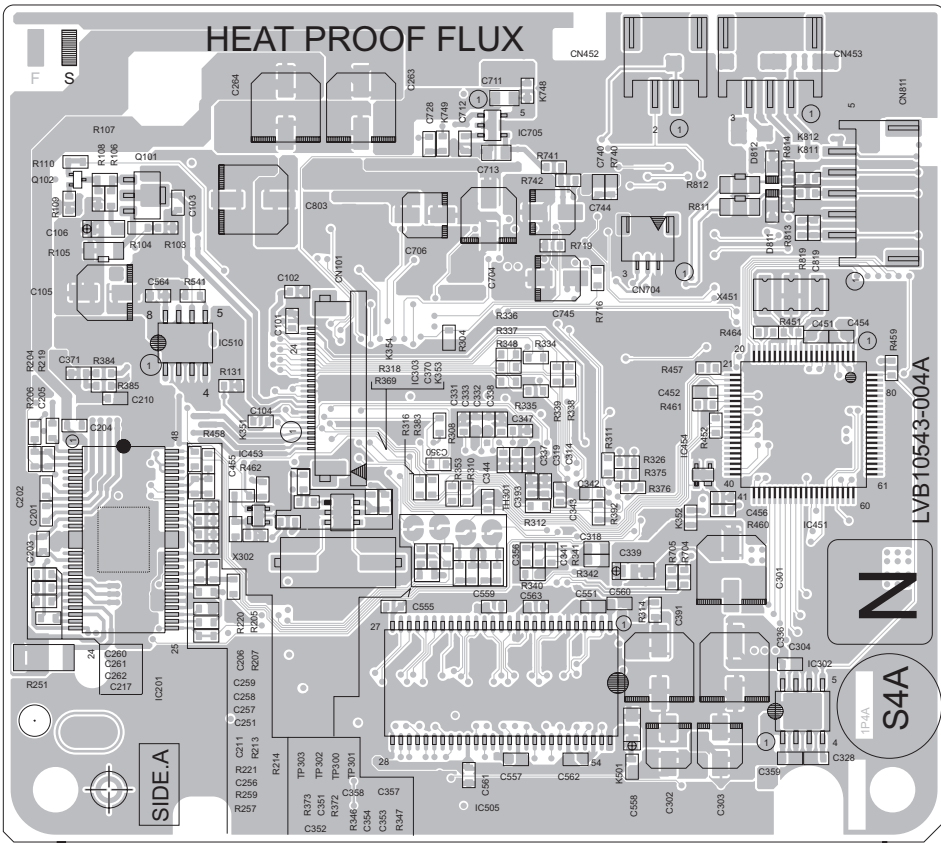


■ Front end board

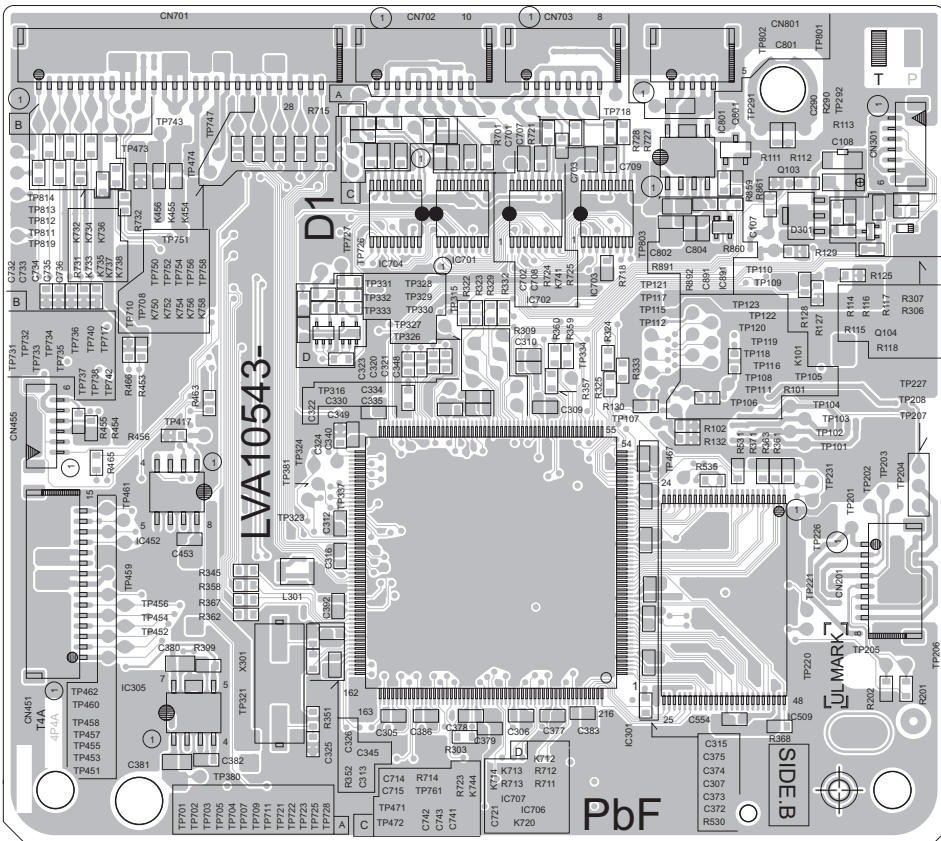
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

forward side

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



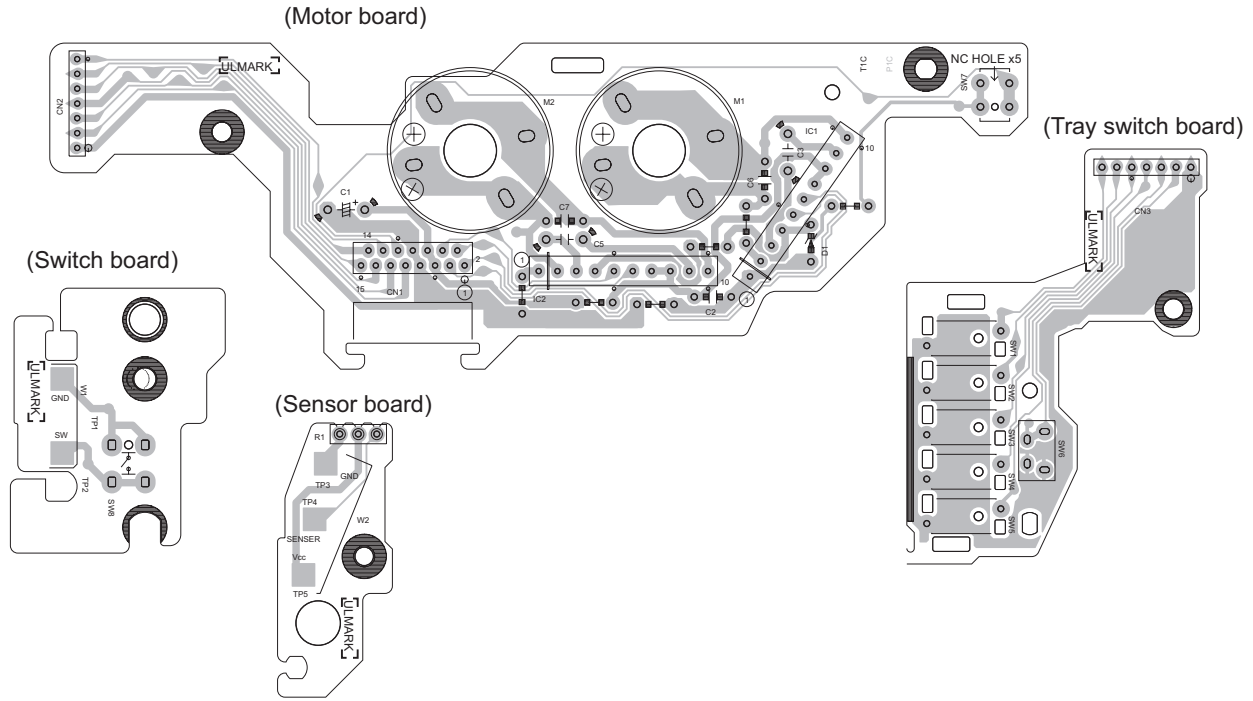
reverse side



■ 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)



■ Cassette 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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