

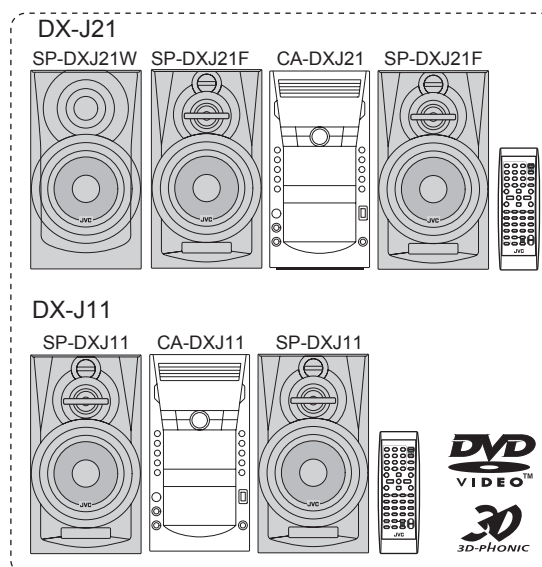
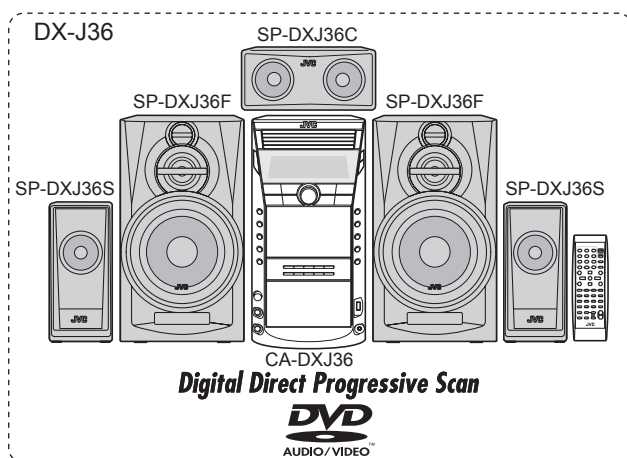
JVC

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)

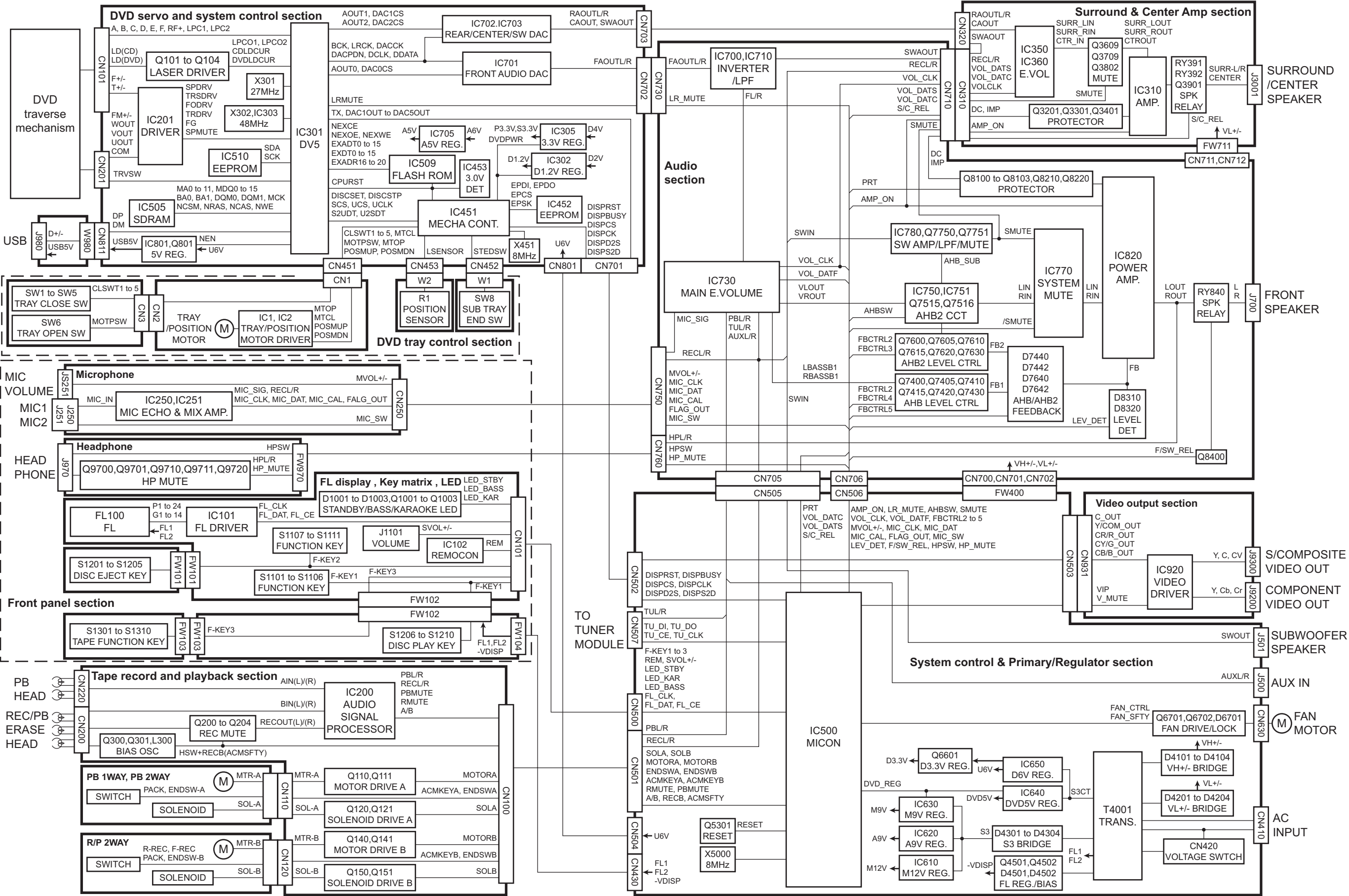
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

Contents

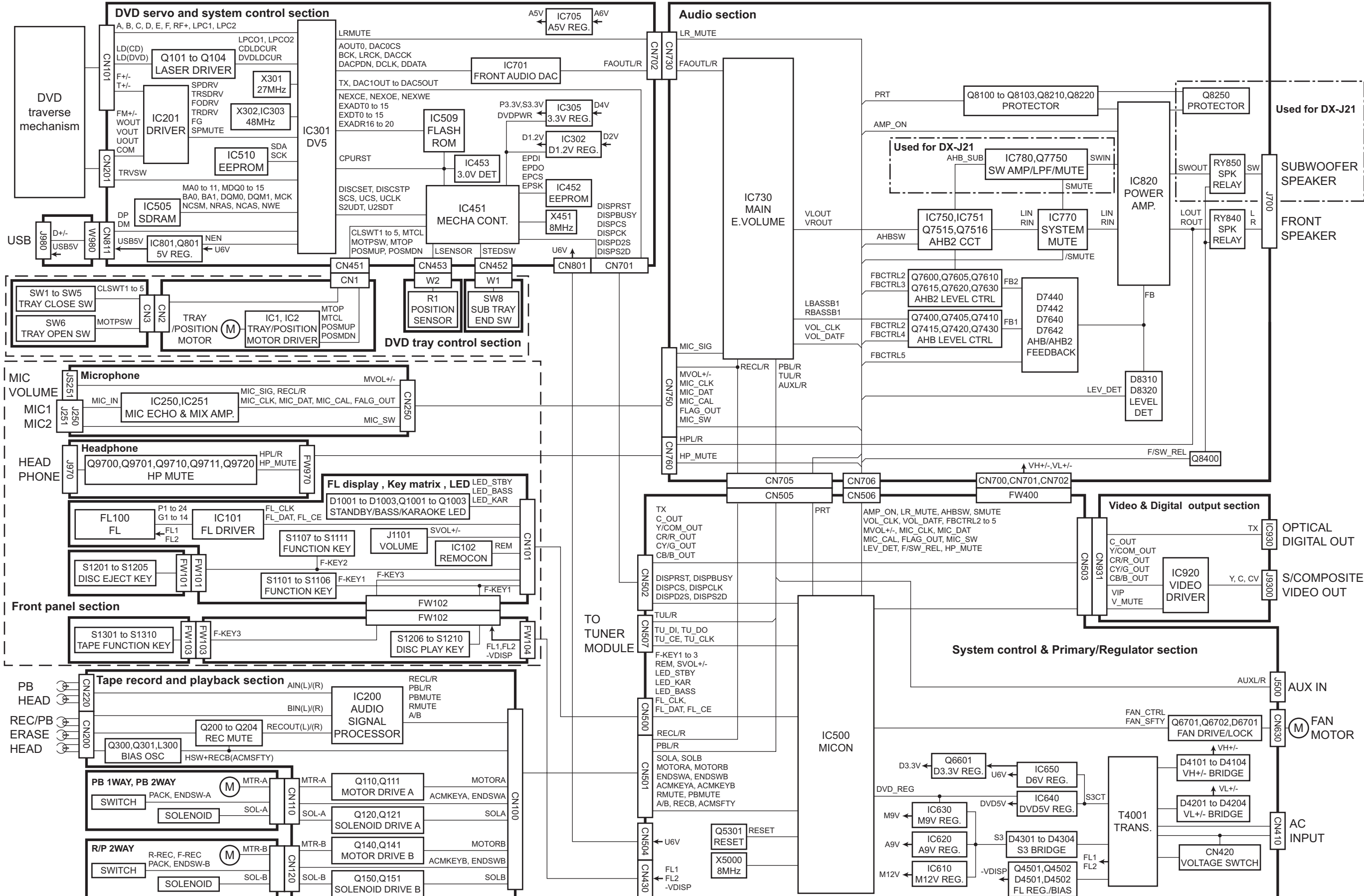
Block diagrams	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-20 to 22

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)

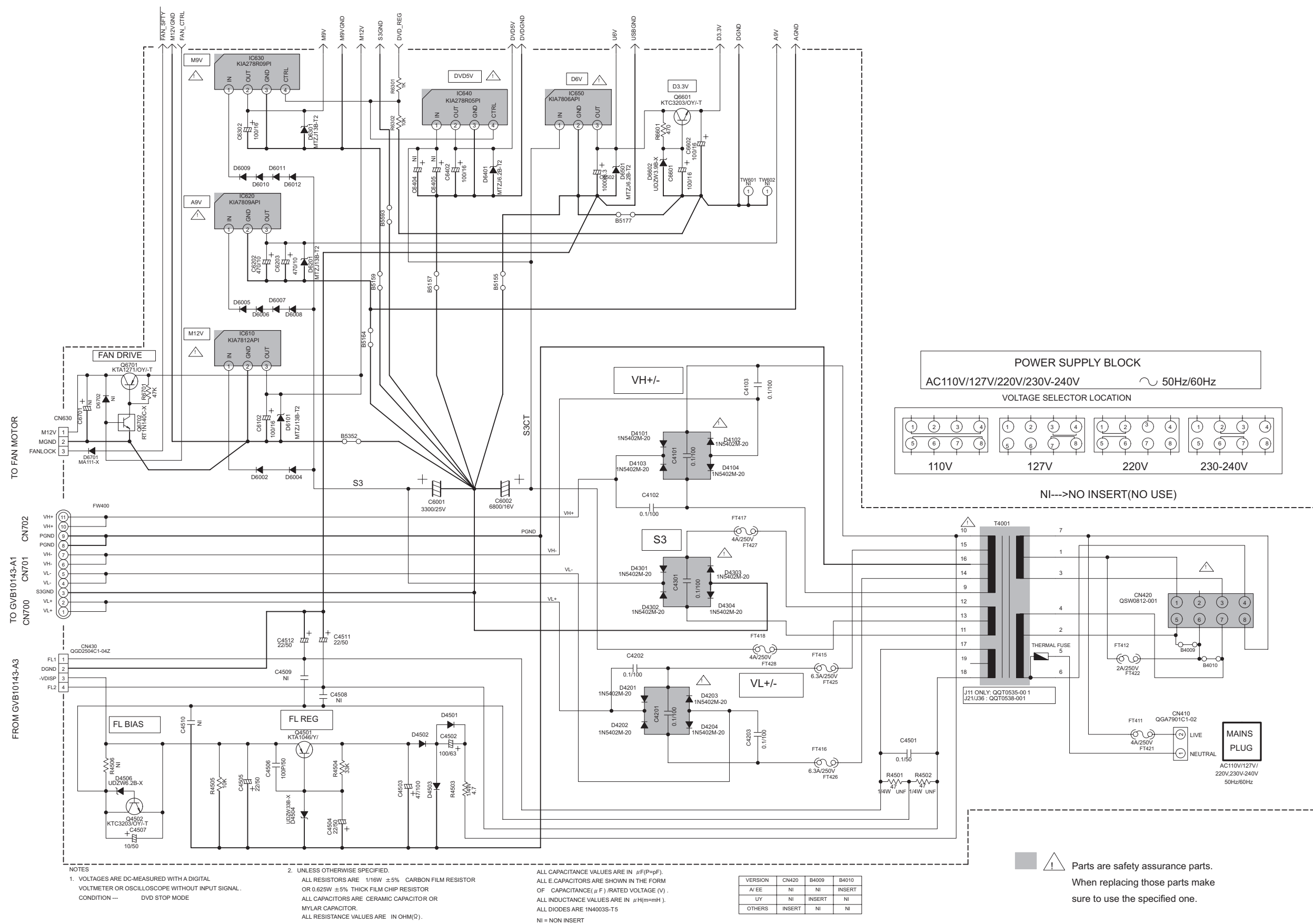


Block diagram (For DX-J11 and DX-J21)

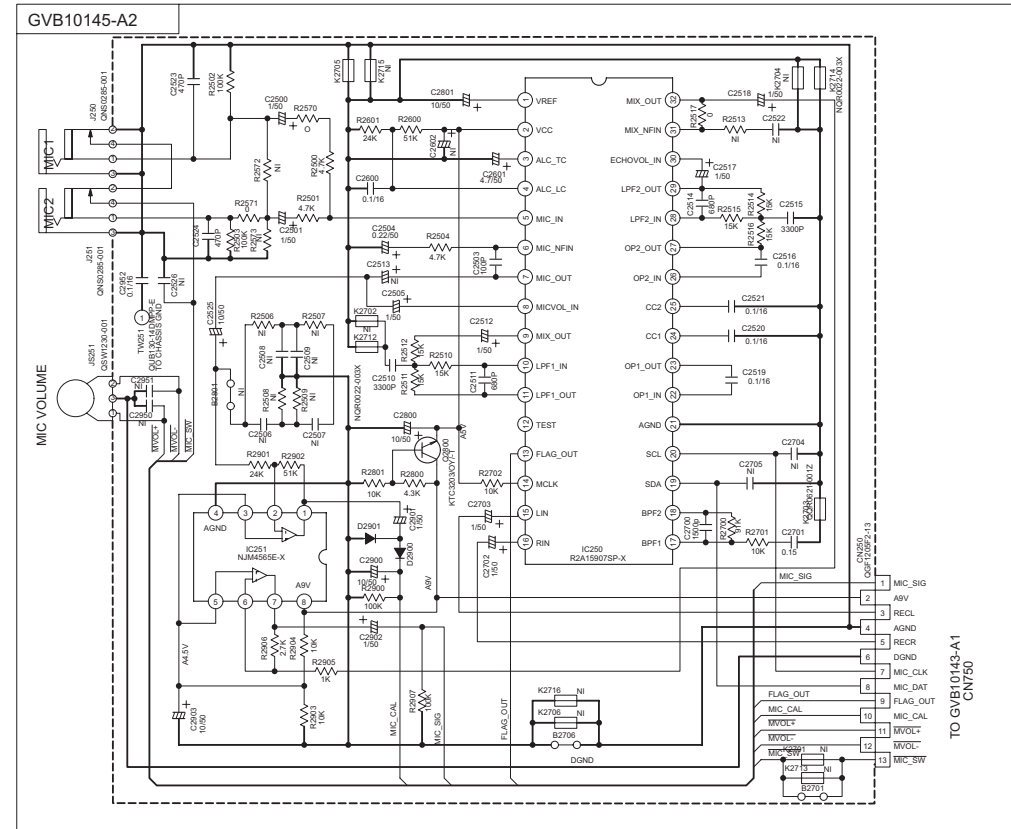
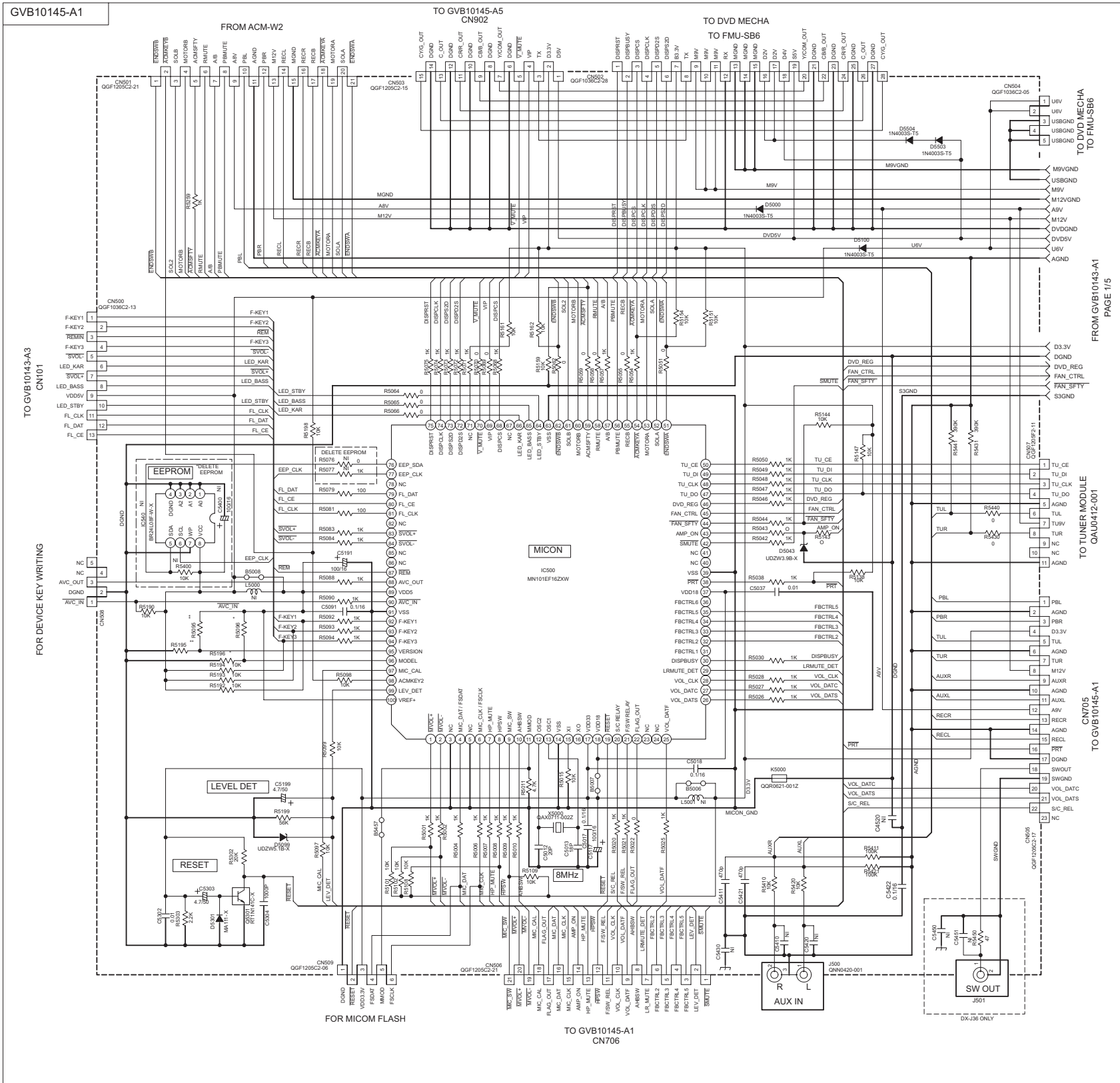


Standard schematic diagrams

■ Primary section (DX-J36)



■ Micom section (DX-J36)



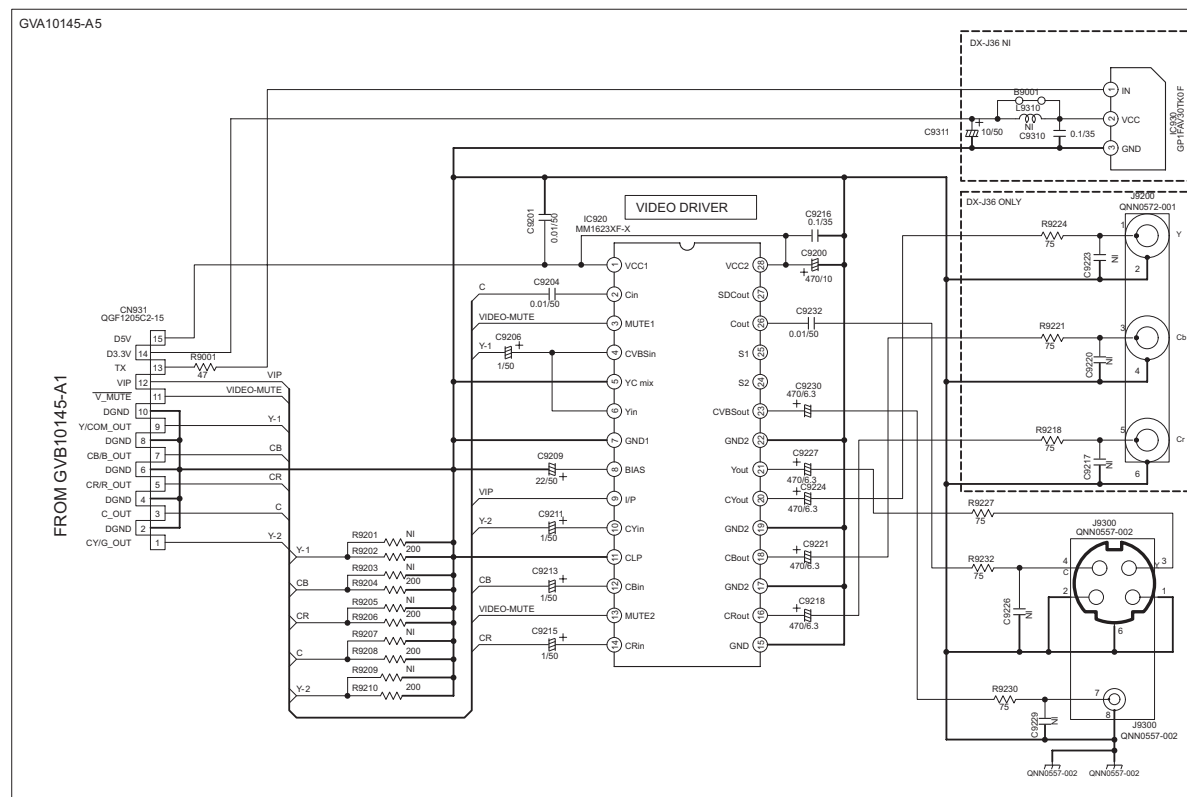
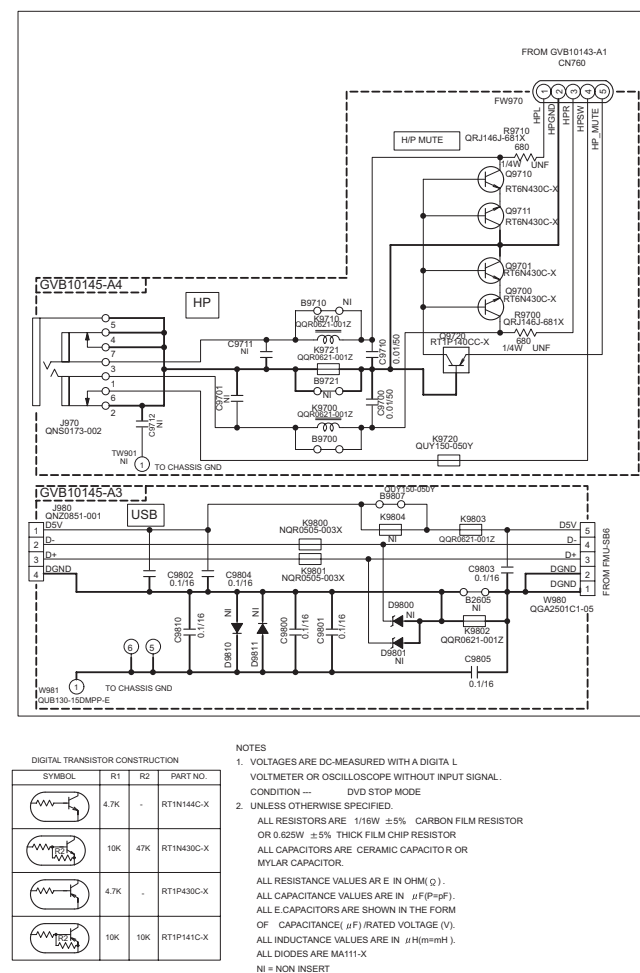
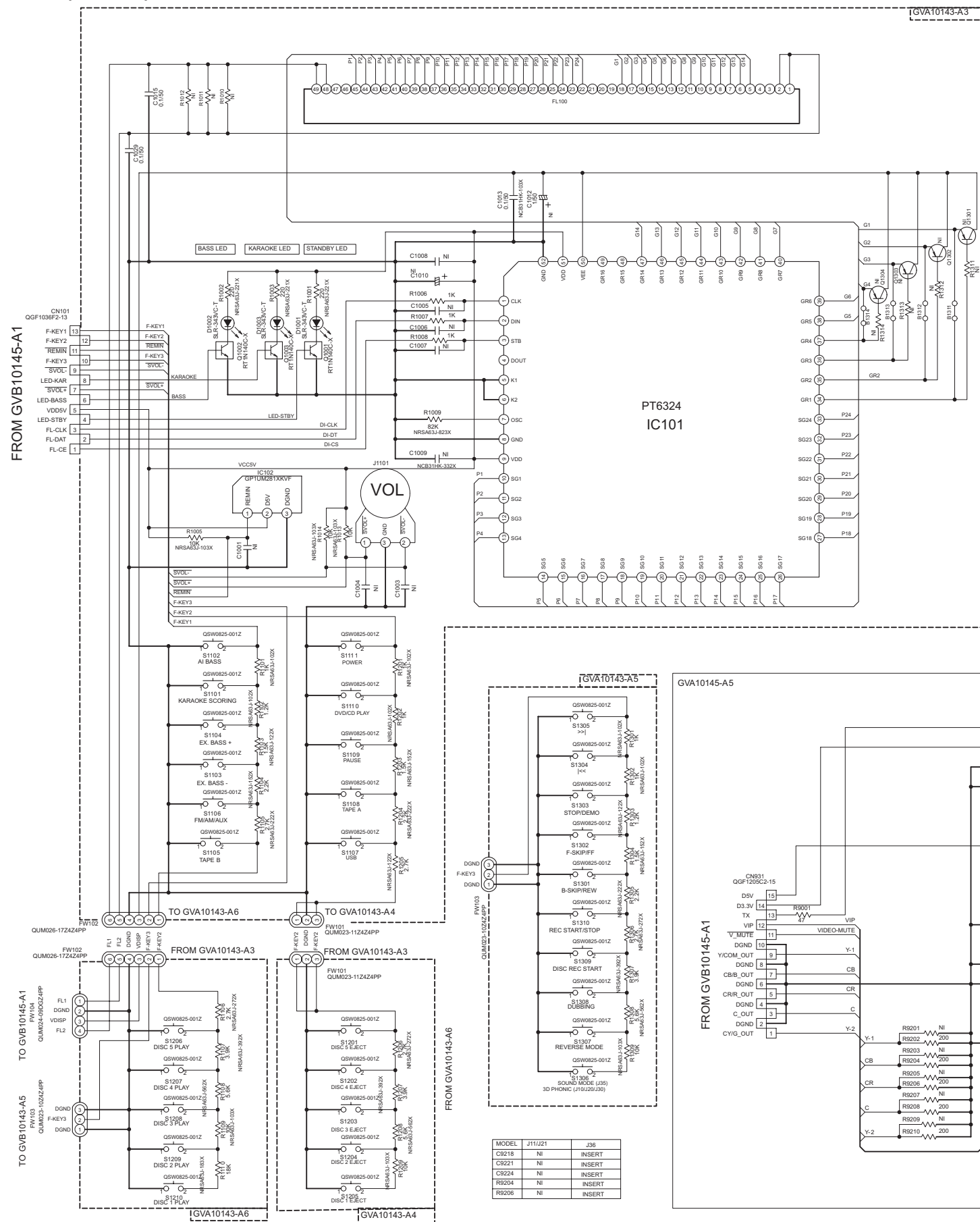
- NOTES
- 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL L VOLT/METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION ——— DVD STOP MODE
 - 2. UNLESS OTHERWISE SPECIFIED:
 - ALL RESISTORS ARE $1/16W \pm 5\%$ CARBON FILM RESISTOR
 - ALL CAPACITORS ARE $\pm 5\%$ THICK FILM CHIP RESISTOR
 - ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR
 - ALL RESISTANCE VALUES ARE IN Ω (OHM) (μ).
 - ALL CAPACITANCE VALUES ARE IN μF (μF) (pF).
 - ALL CAPACITORS ARE RATED IN THE FORM OF CAPACITANCE (μF) RATED VOLTAGE (V).
 - ALL INDUCTANCE VALUES ARE IN μH (μH) (mH).
 - ALL FERRITE BEADS ARE QOR0021-0012
 - NI = NON INSERT

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

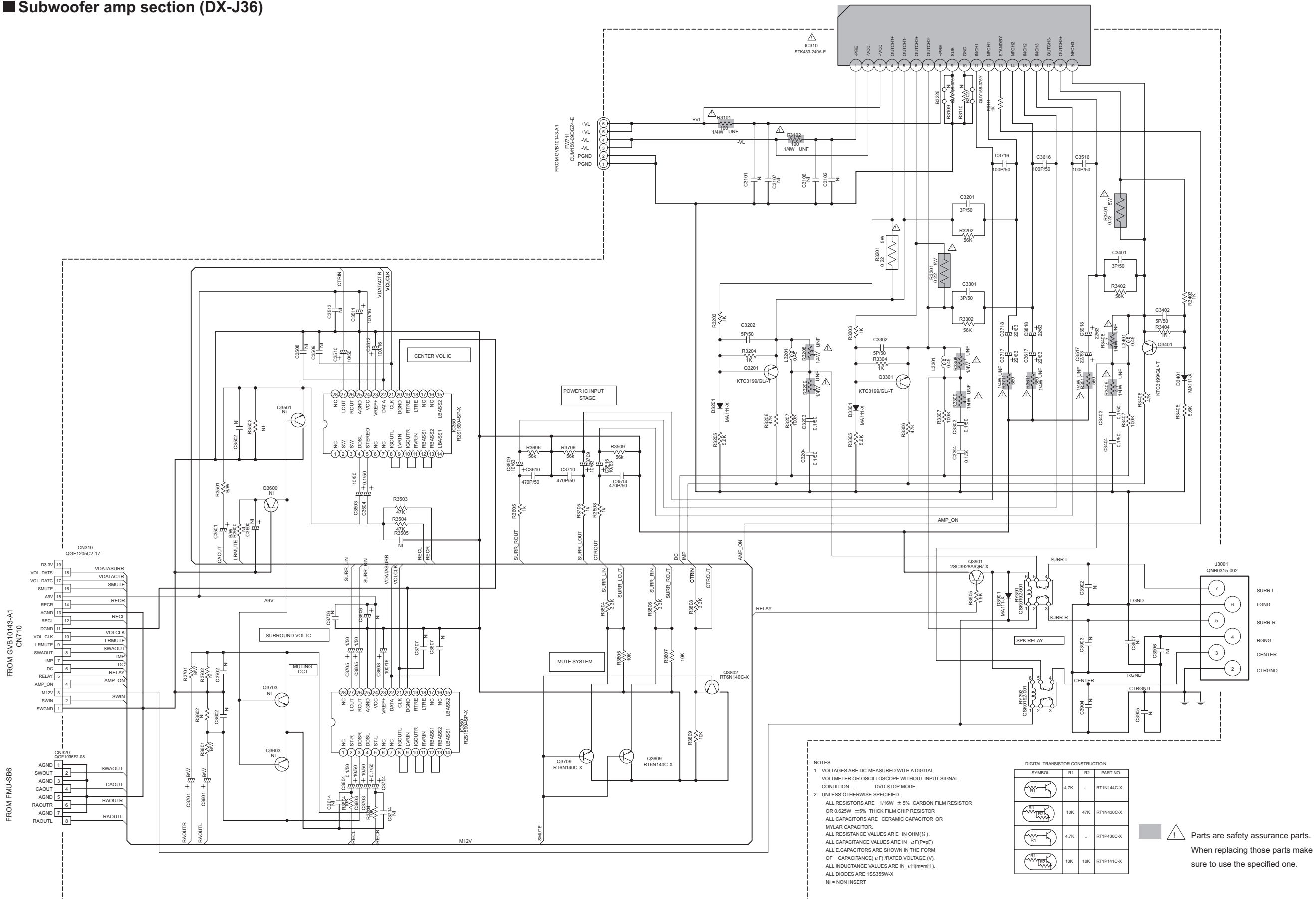
* MODEL INDICATION			
	J11	J21	J36
R5096	10K	10K	10K
R5196	NIL	NIL	15K

	R5095	R5195
US/UN/UH/A	10K	NIL
UW/UJ	10K	18K
UX/UG	10K	5.6K
EE	NIL	10K

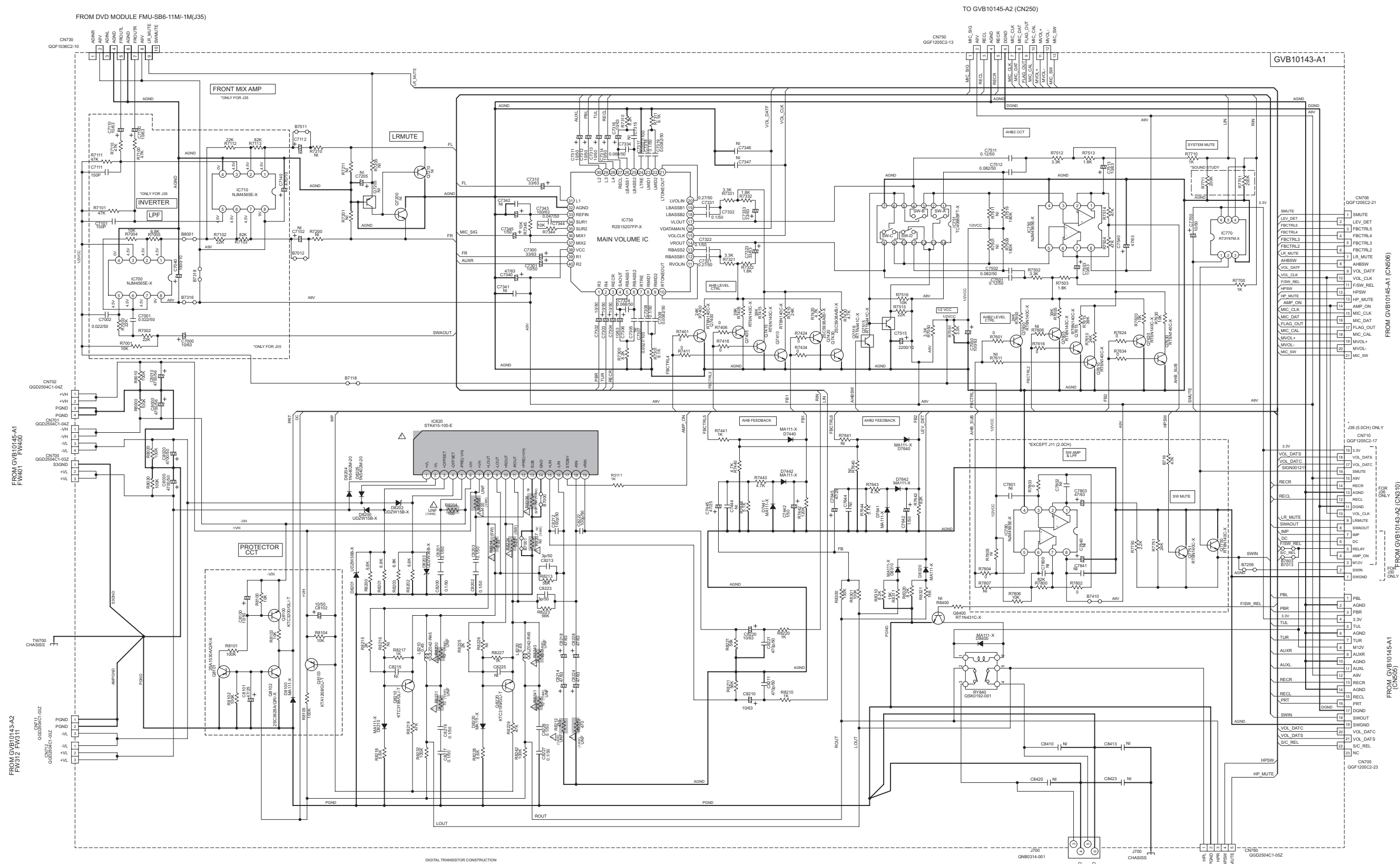
■ Front section (DX-J36)



■ Subwoofer amp section (DX-J36)



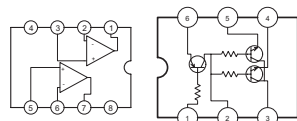
■ Audio section (DX-J36)



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

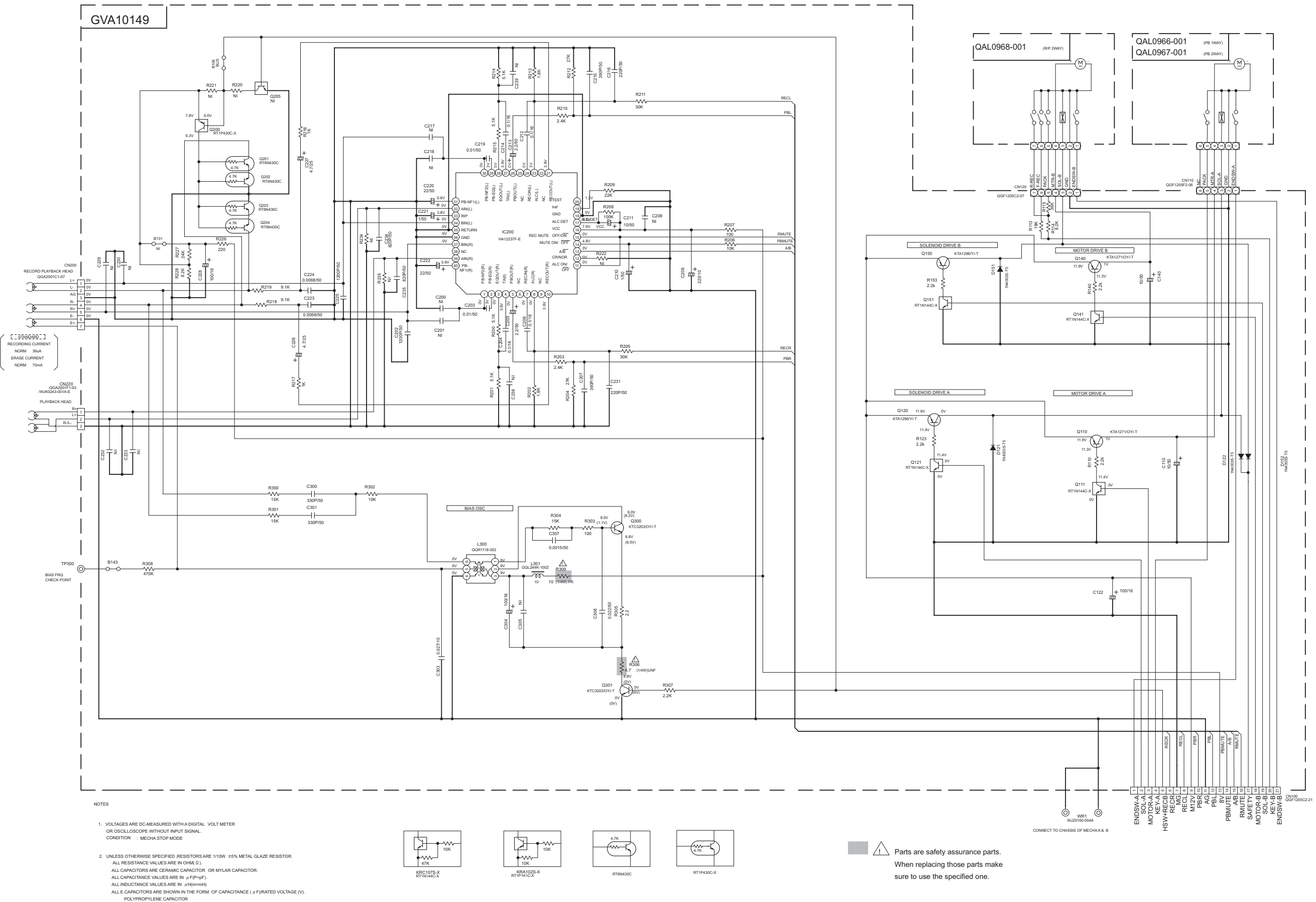
TO GVB10145-A4 (FW260)

	R1	R2	
	10K	-	RT6N140C-X
	47K	47K	RT1P441C-X
	47K	47K	RT1N441C-X

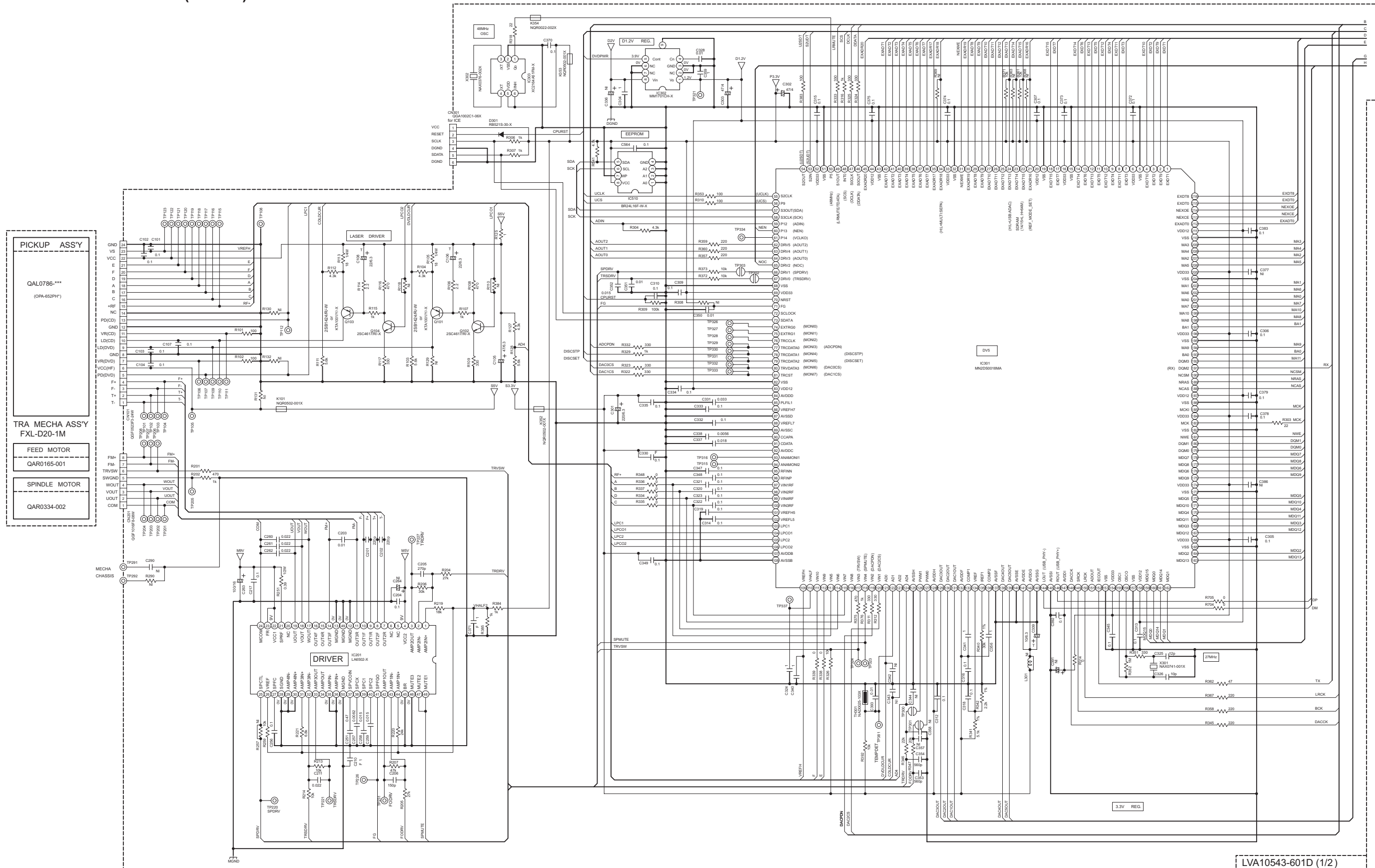


	J11	J21	J35
R7701	62k	220k	200k
R7711	62k	220k	200k
R7751		100k	24k
C8000		GE20988-568 (560056)	
C8010		GE20865-568 (560056)	

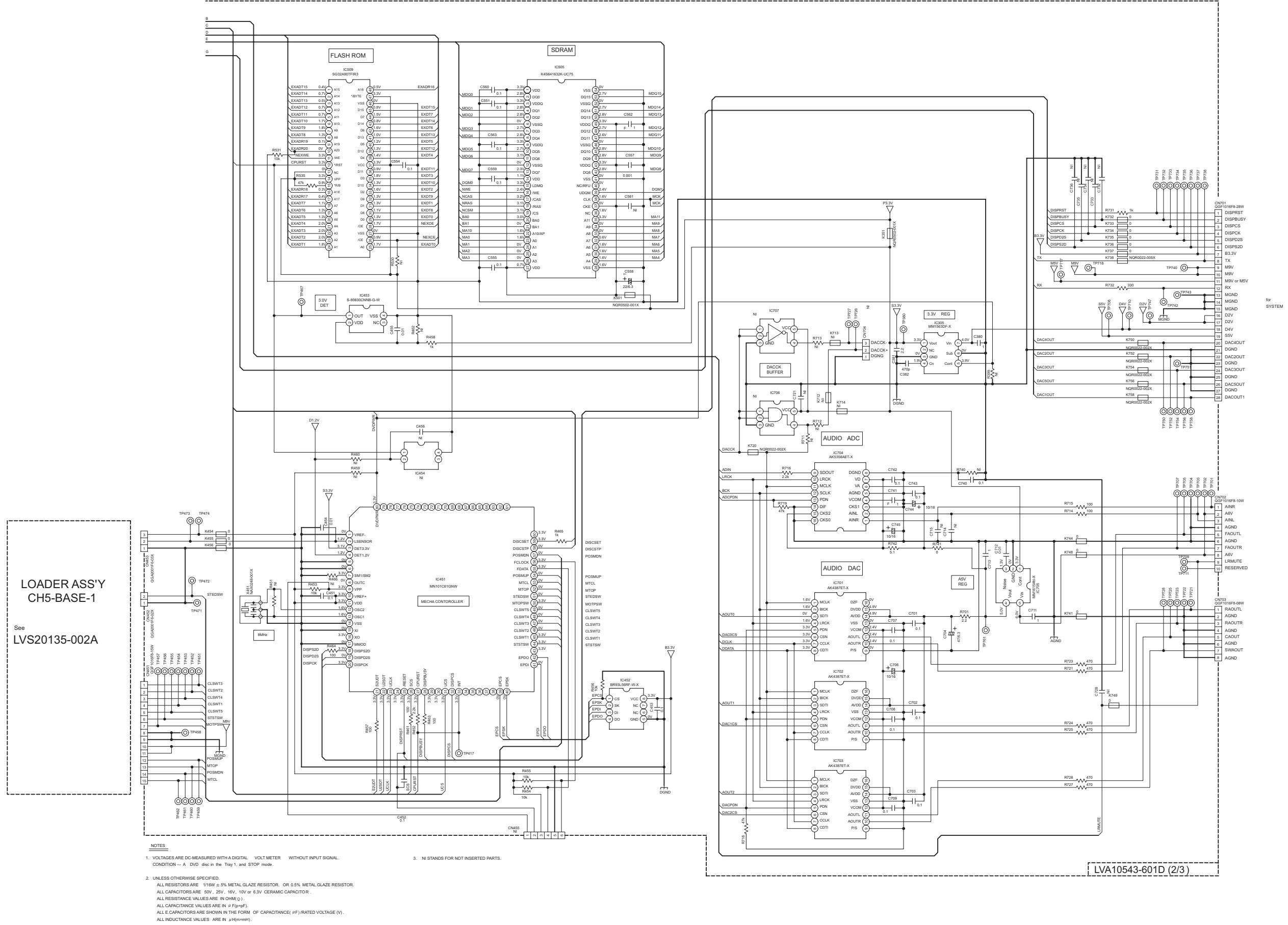
■ Cassette control section (DX-J36)



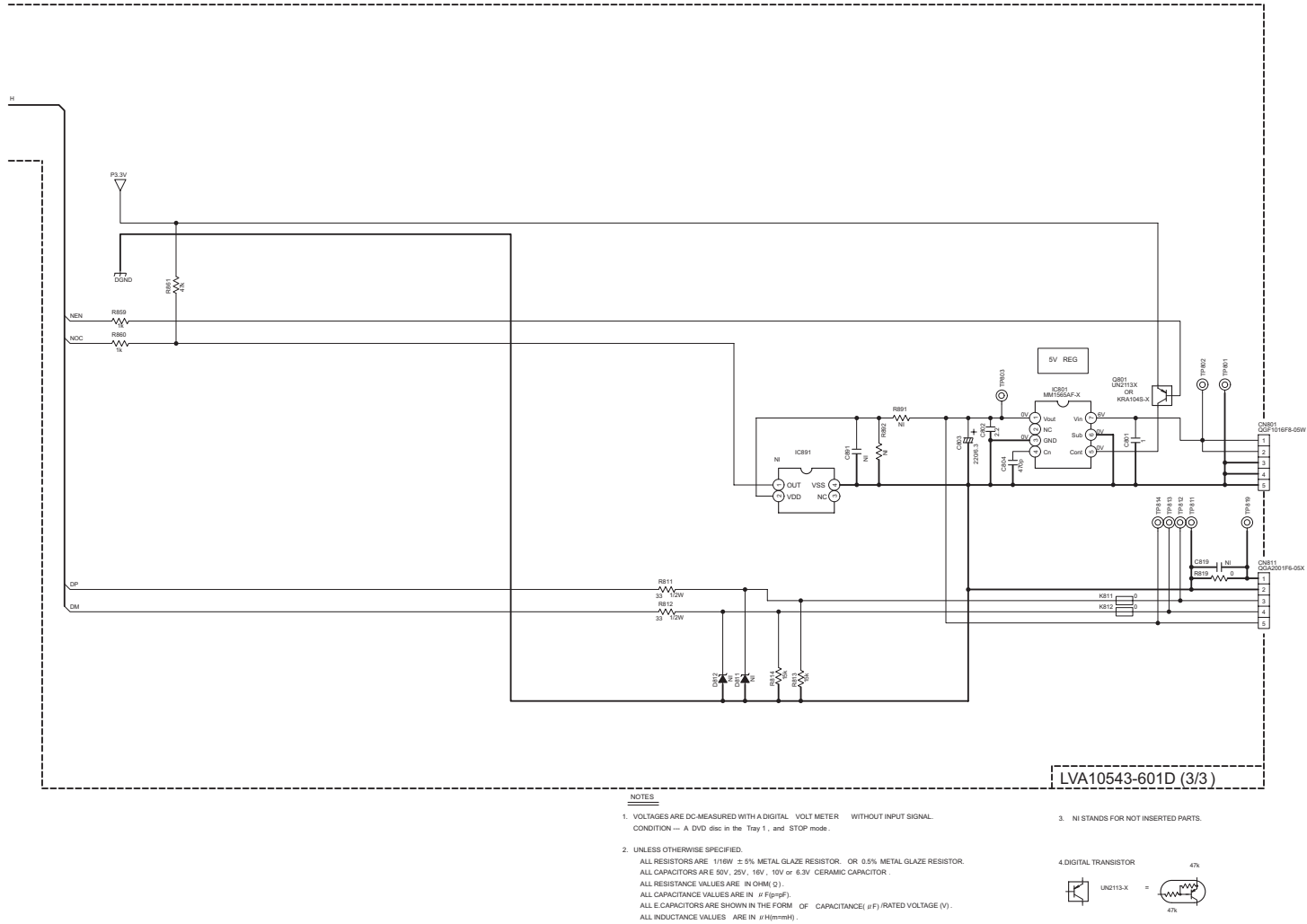
■ Front end section 1 (DX-J36)



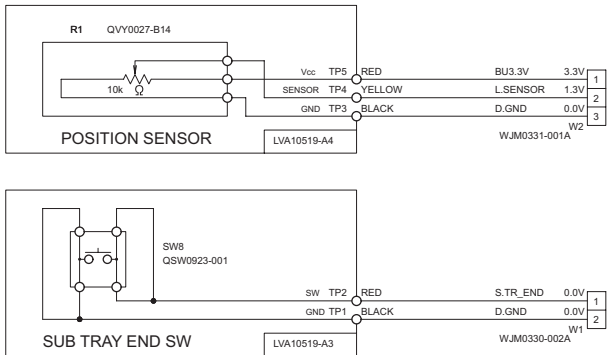
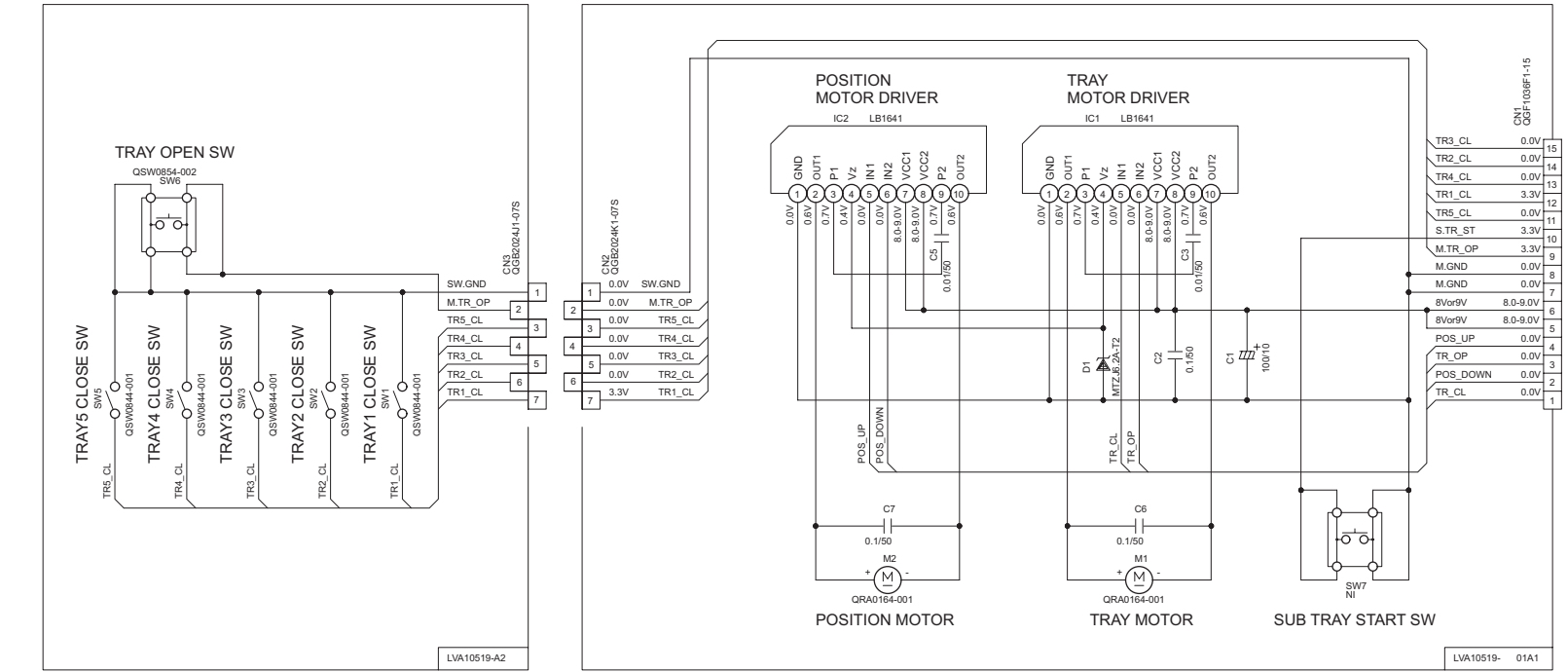
■ Front end section 2 (DX-J36)



■ Front end section 3 (DX-J36)

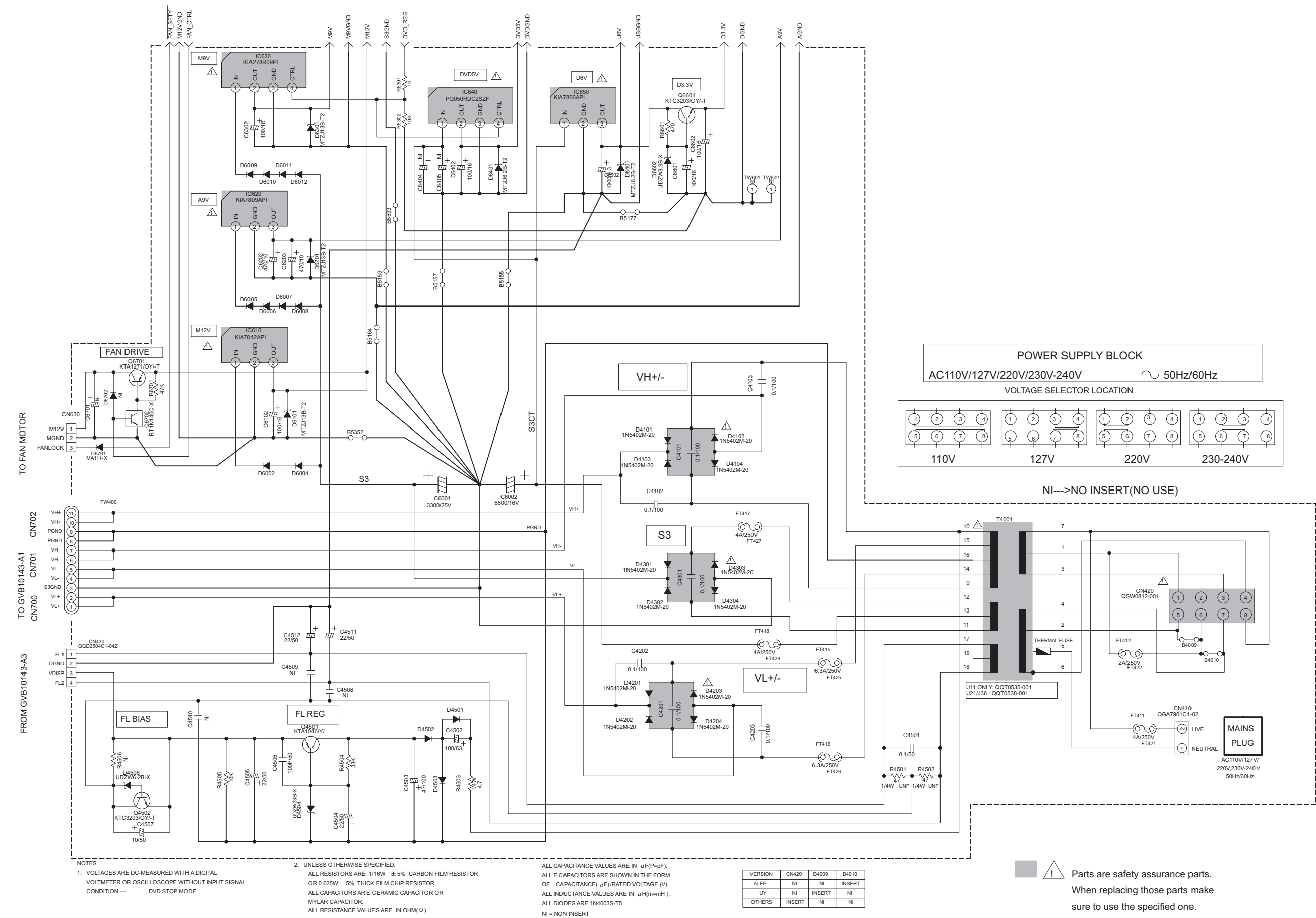


■ Loader section (DX-J36)

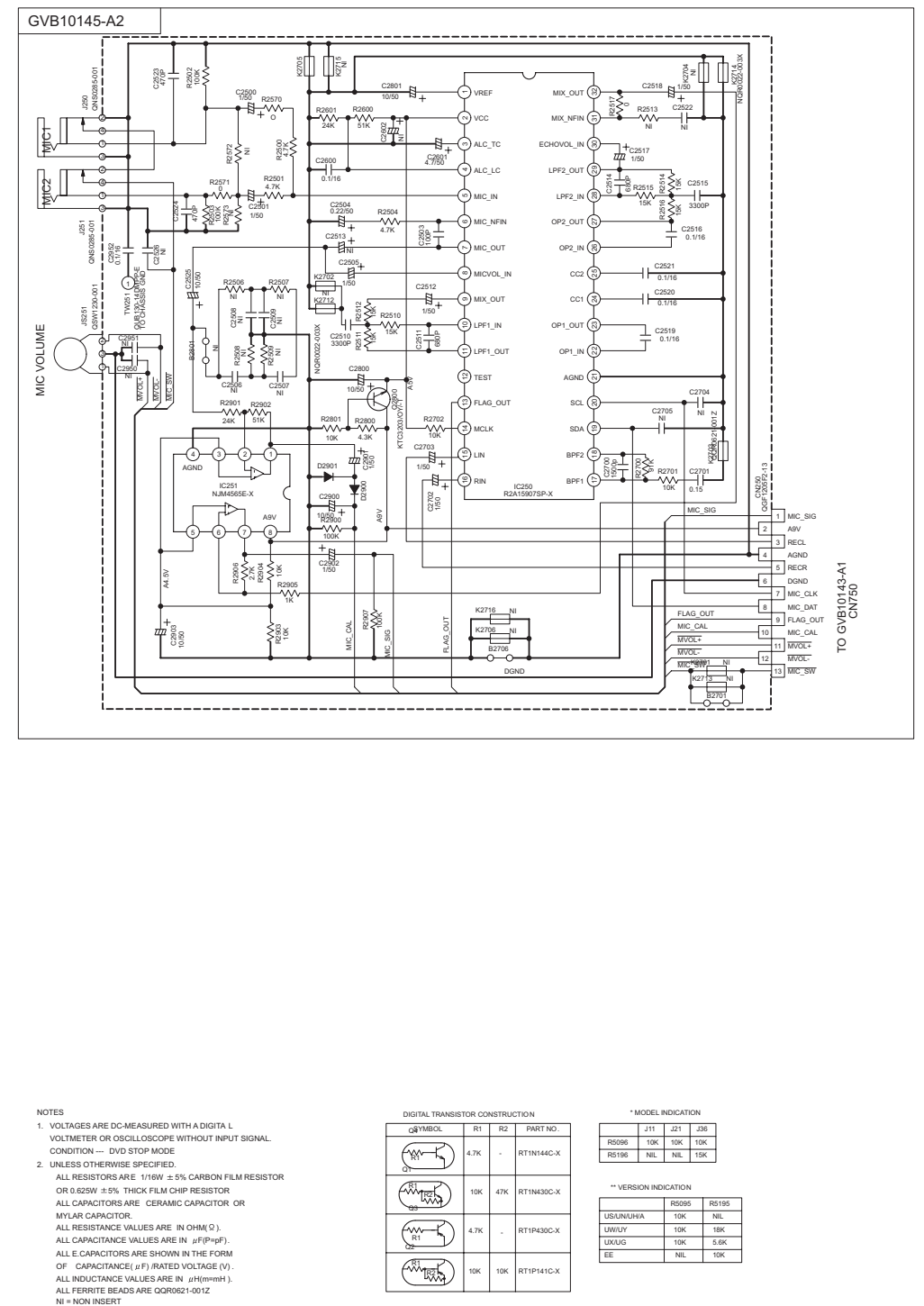
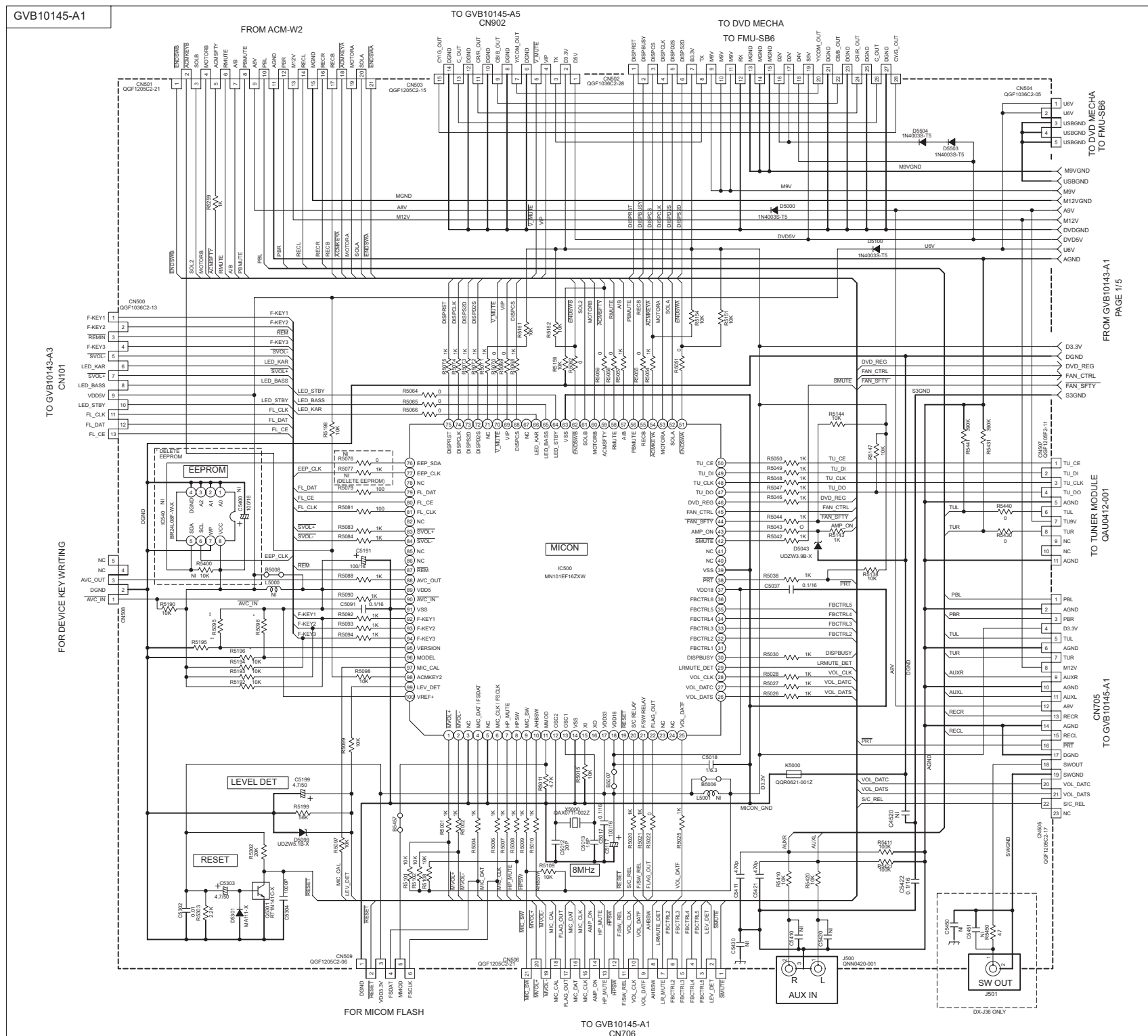


- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER. CONDITION: DISC1 STOP
 - UNLESS OTHERWISE SPECIFIED.
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) / RATED VOLTAGE (V).
 - NI STANDS FOR NOT INSERTED PARTS.

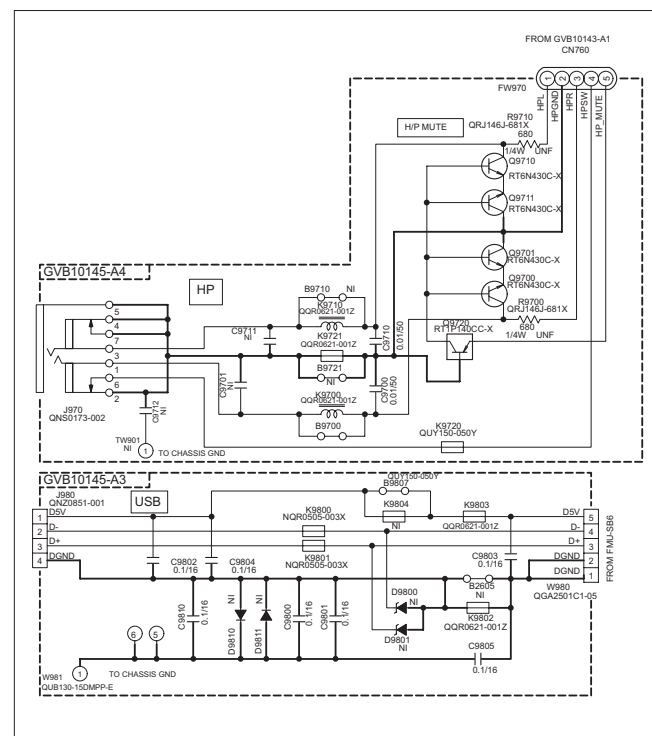
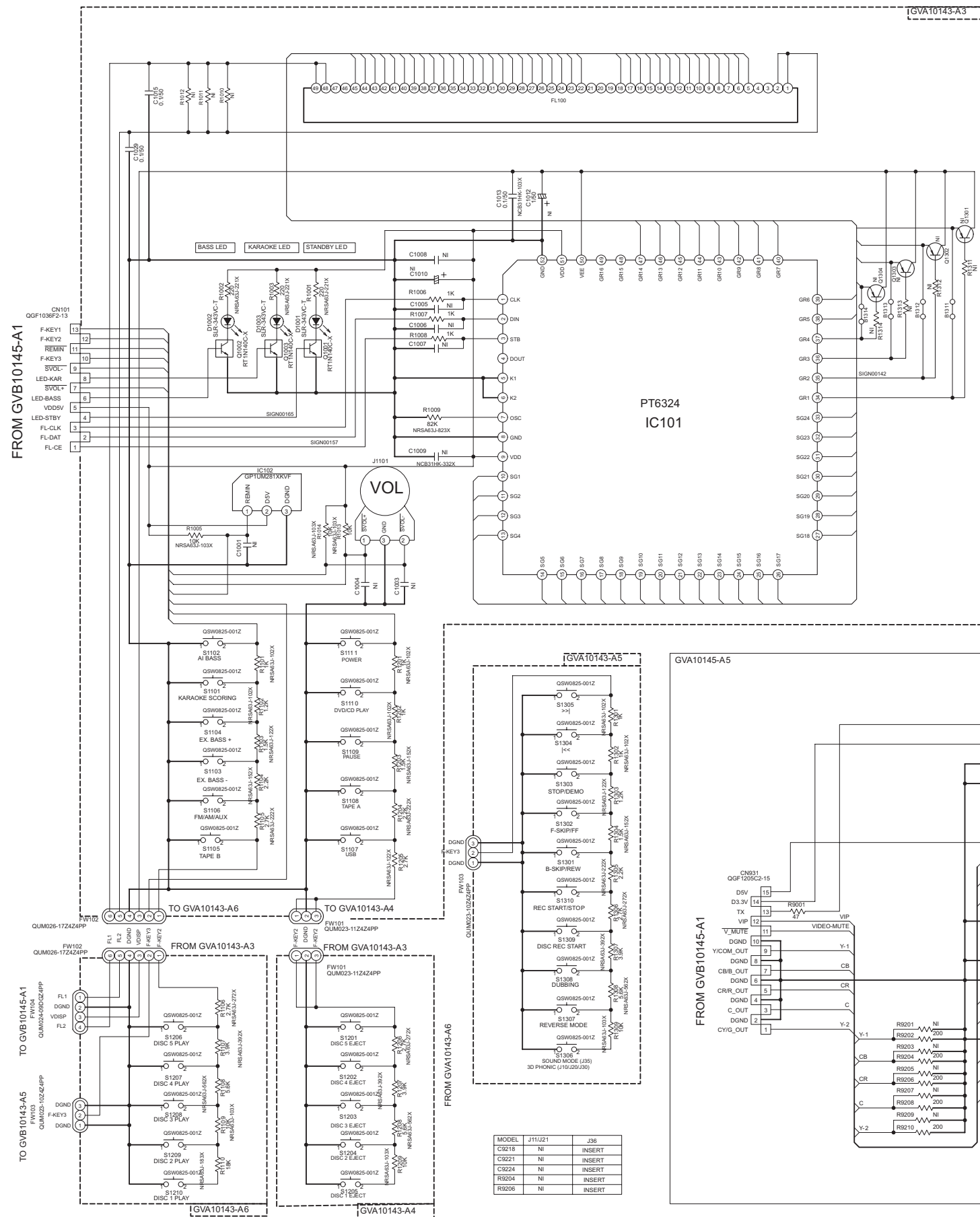
■ Primary section (DX-J21,DX-J11)



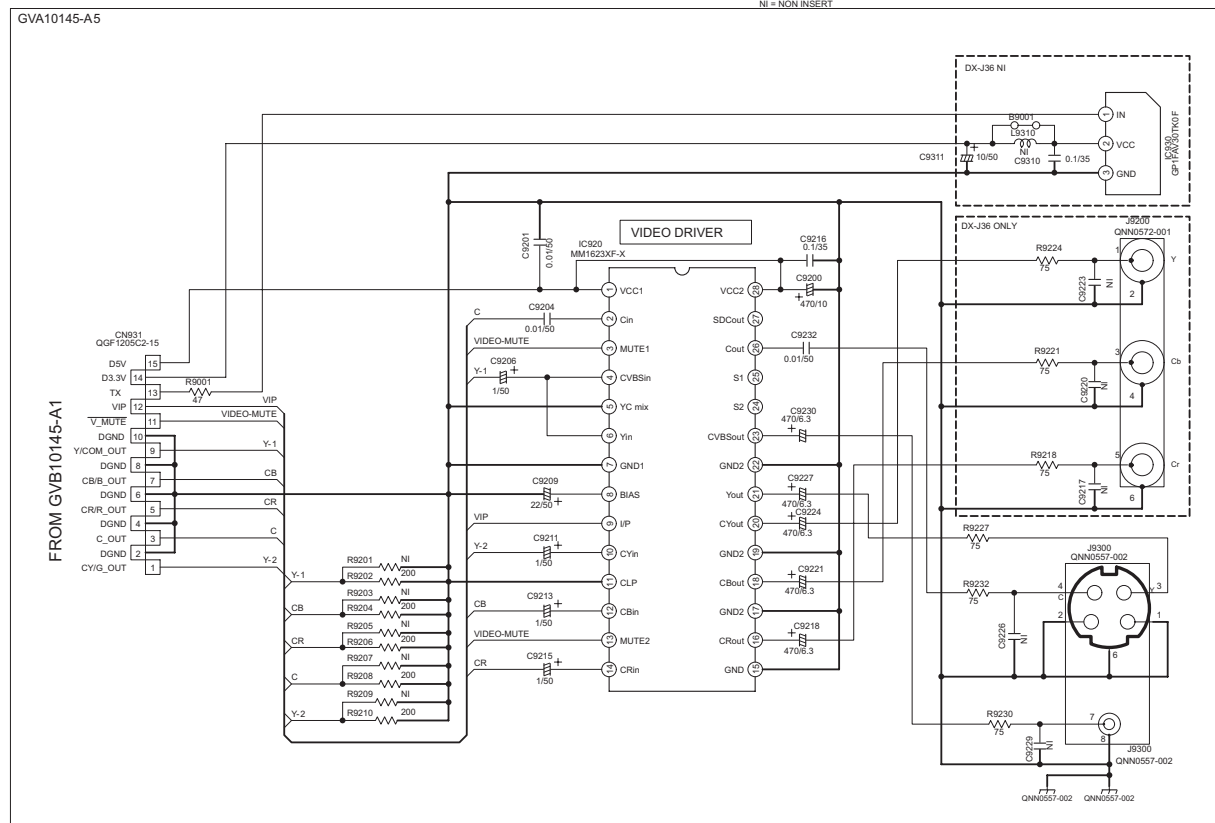
■ Micom section (DX-J21,DX-J11)



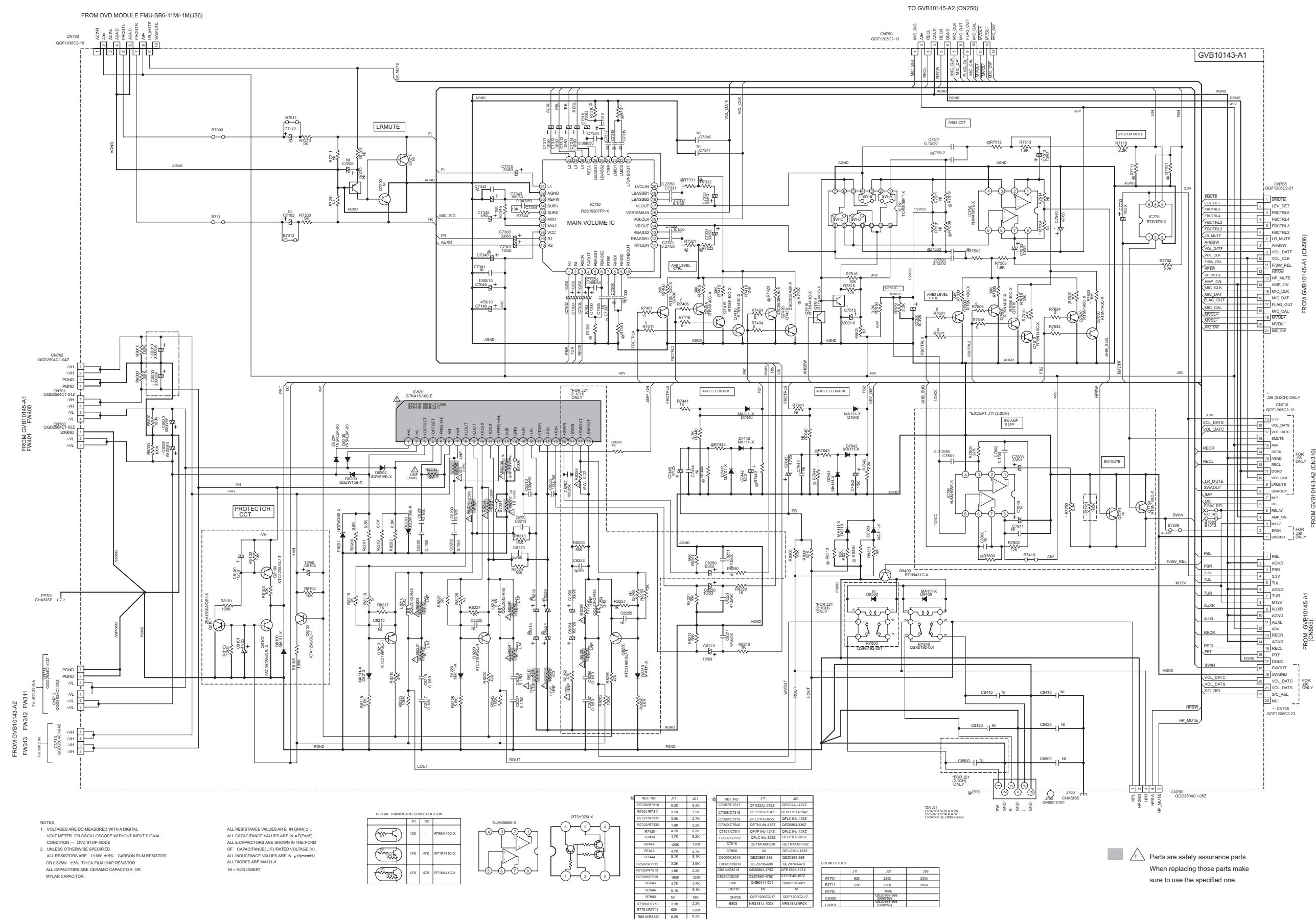
■ Front section (DX-J21,DX-J11)



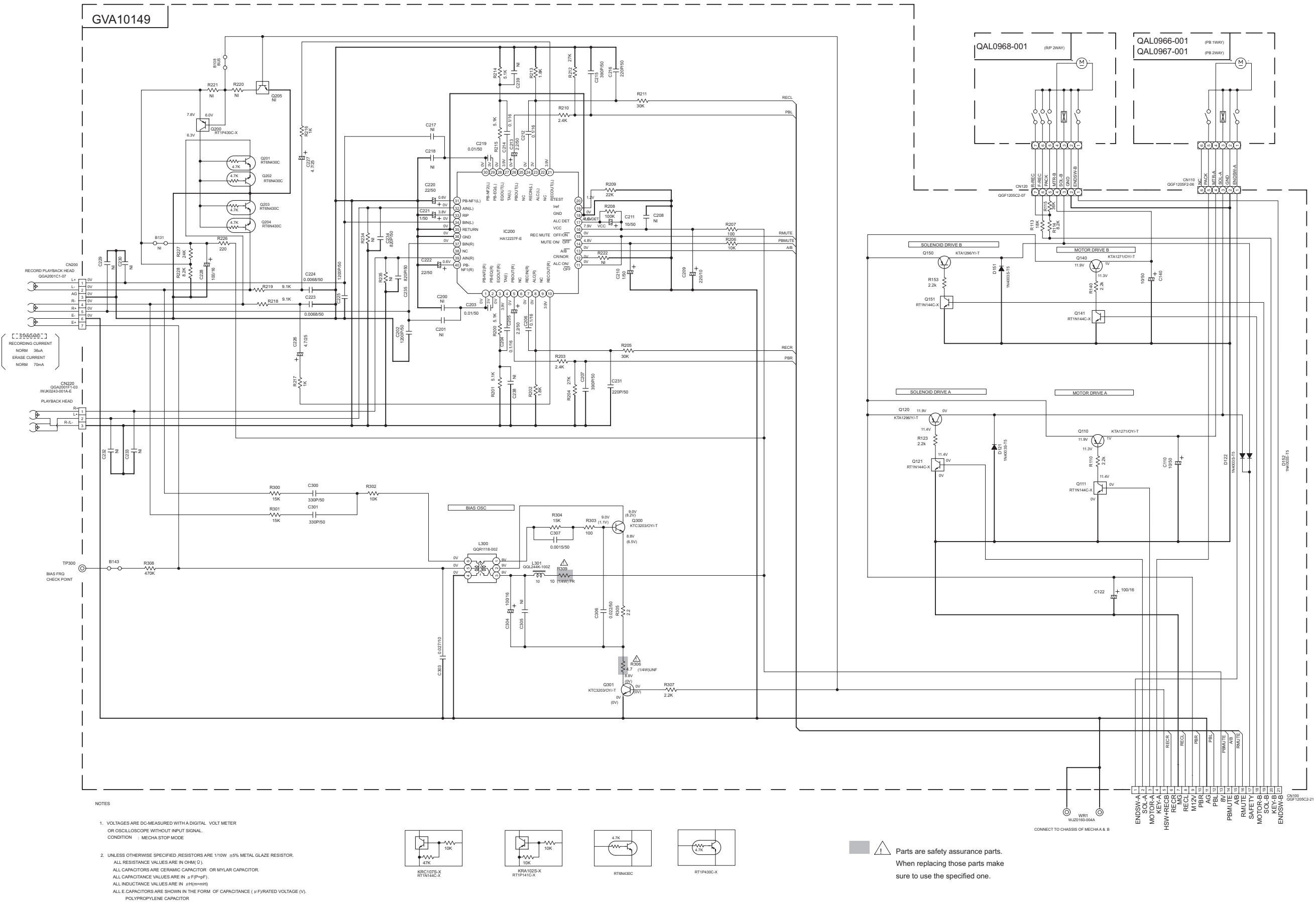
- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLTMETER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- DVD STOP MODE
 2. UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE $1/16W \pm 5\%$ CARBON FILM RESISTOR
OR $0.625W \pm 5\%$ THICK FILM CHIP RESISTOR
ALL CAPACITORS ARE CERAMIC CAPACITOR OR
MYLAR CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM (Ω).
ALL CAPACITANCE VALUES ARE IN $\mu F(PF)$.
ALL E-CAPACITORS ARE SHOWN IN THE FORM
OF CAPACITANCE (μF) RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN $\mu H(mmh)$.
ALL DIODES ARE MA111-X
NI = NON INSERT



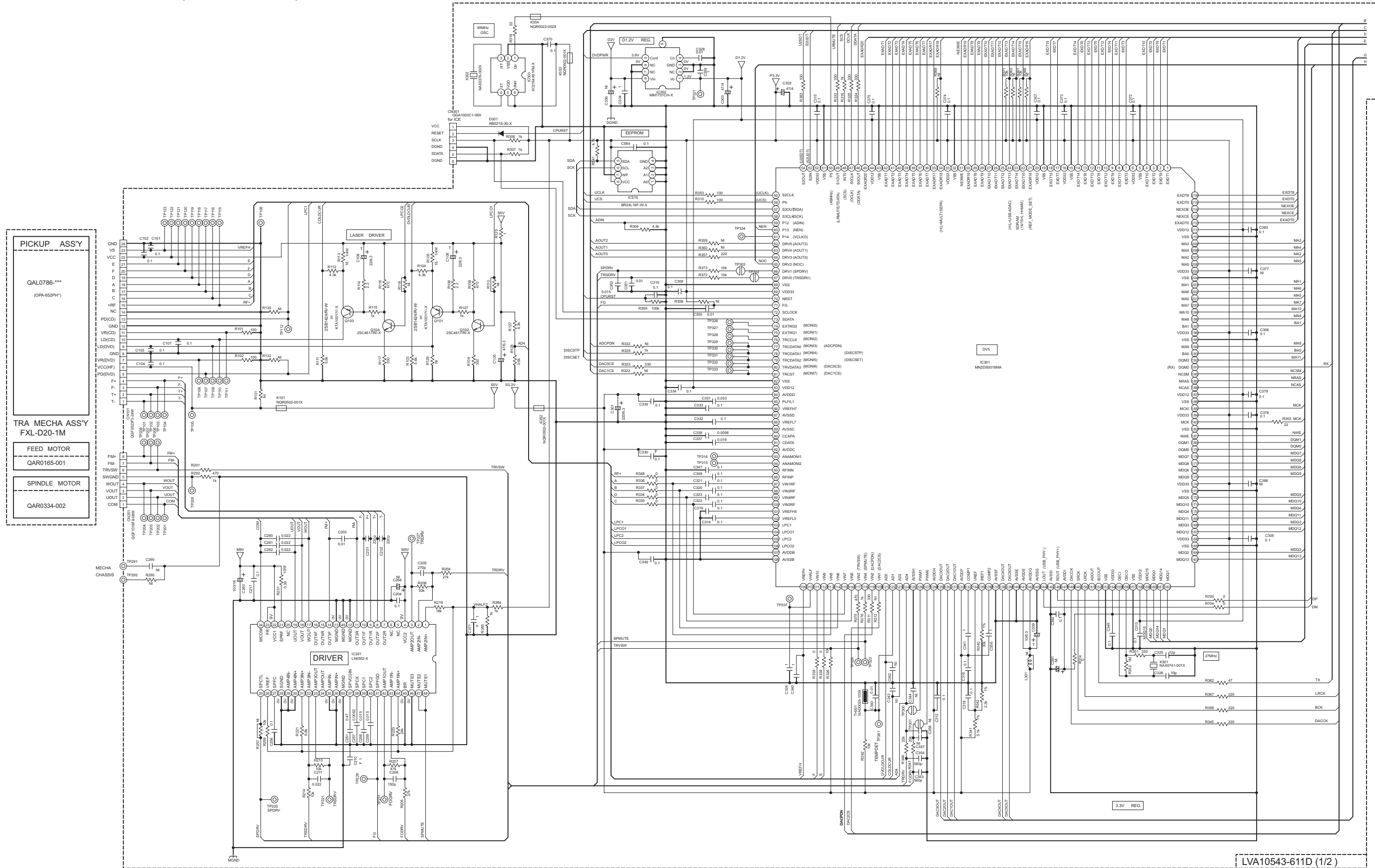
■ Audio section (DX-J21,DX-J11)



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



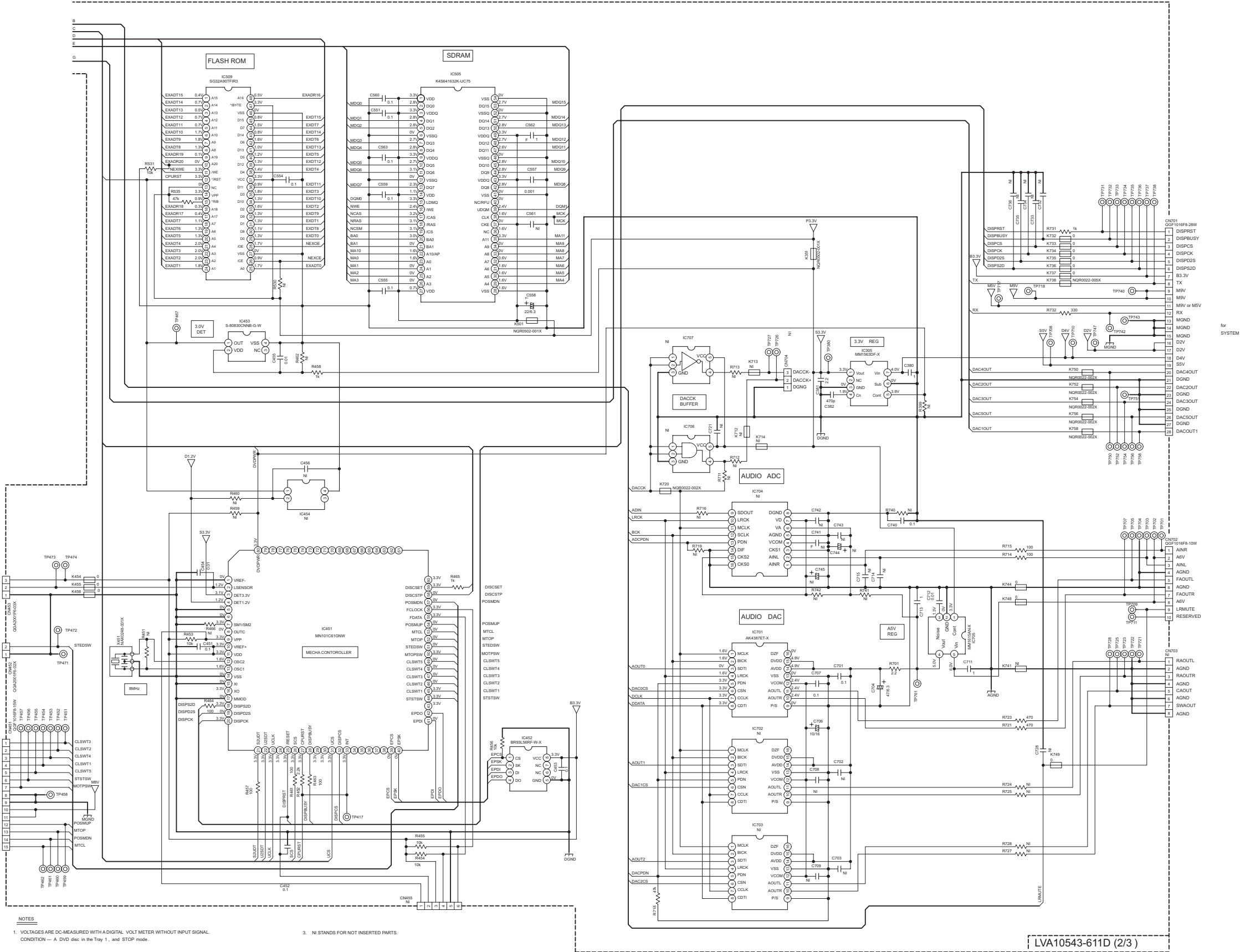
■ Front end section 1 (DX-J21,DX-J11)



■ 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

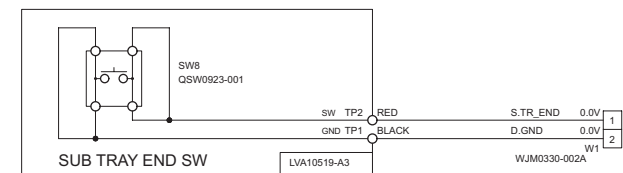
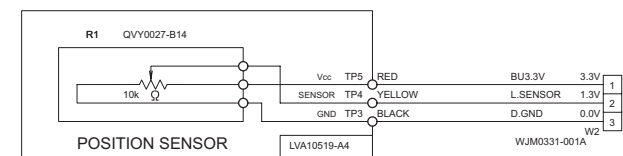
4.DIGITAL TRANSISTOR



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 SW5.
- TRAY1-4 CLOSE SWs:** Four 2-pin switches (SW1-SW4) with pins 1-4 connected to QSW0844-001 and TR1_CL, TR2_CL, TR3_CL, and TR4_CL respectively.
- POSITION MOTOR:** Driven by IC2 (LB1641). It includes a position driver (IC2) and a motor (M2). The motor is connected to a 0.1/50 capacitor (C7) and a 0.01/50 capacitor (C5). The motor is labeled QRA0164-001.
- TRAY MOTOR:** Driven by IC1 (LB1641). It includes a position driver (IC1) and a motor (M1). The motor is connected to a 0.1/50 capacitor (C8) and a 0.01/50 capacitor (C5). The motor is labeled QRA0164-001.
- SUB TRAY START SW:** A 2-pin switch (SW7) with pins 1-2 connected to QSW0844-001 and SW5.

The diagram also shows the connection of the motor assembly to the LVA10519-A2 motor assembly via the CN1 connector (GGF1036F1-15).

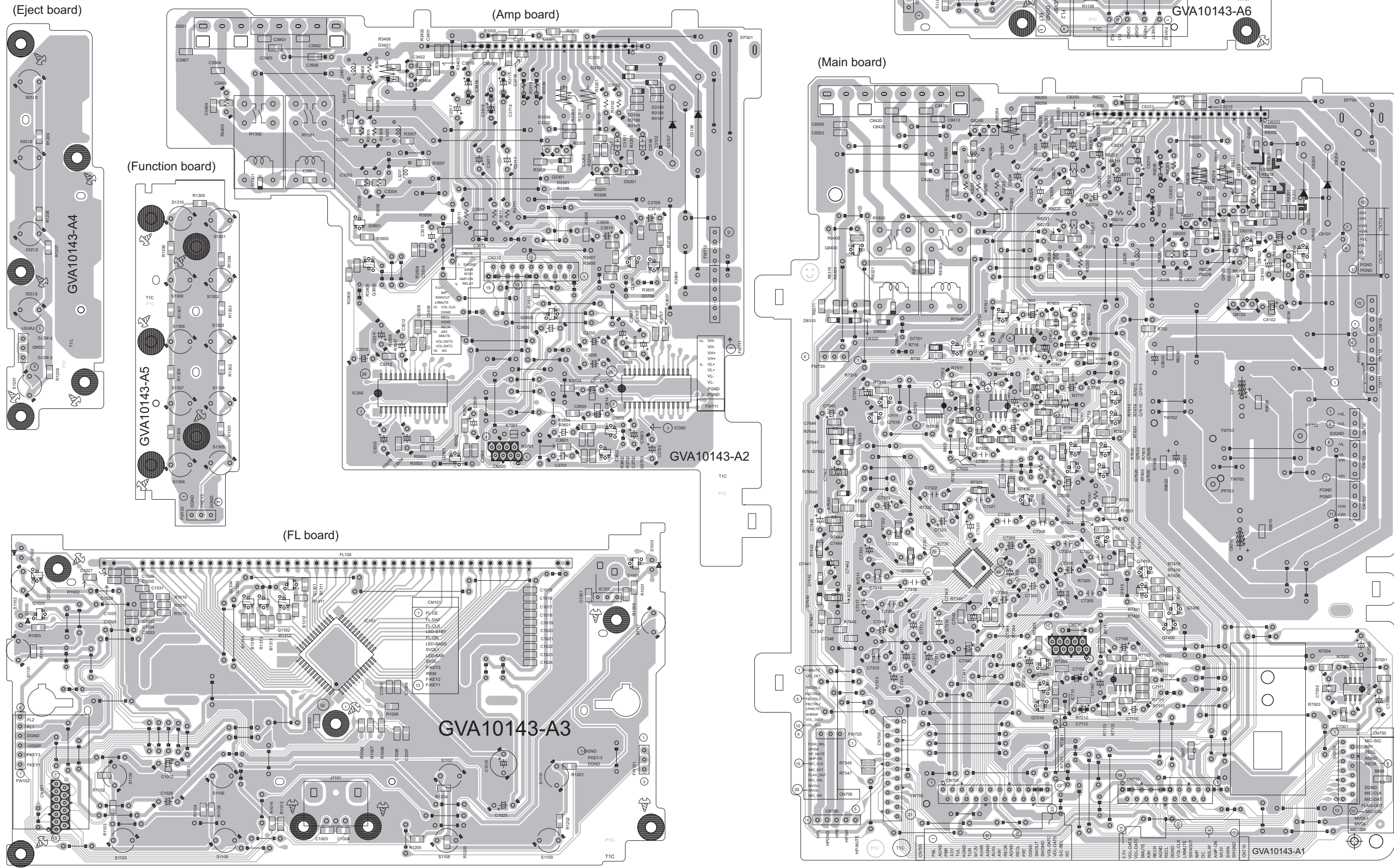


NOTES

- 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)



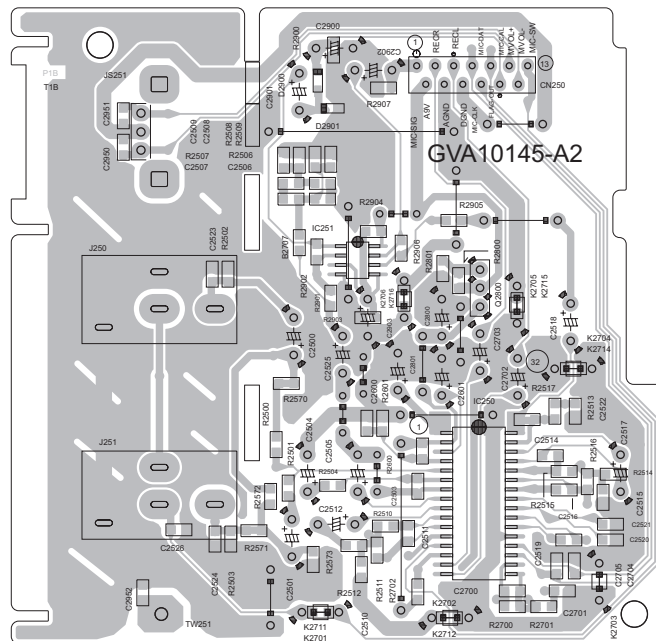
■ Micom board	Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)
	Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

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

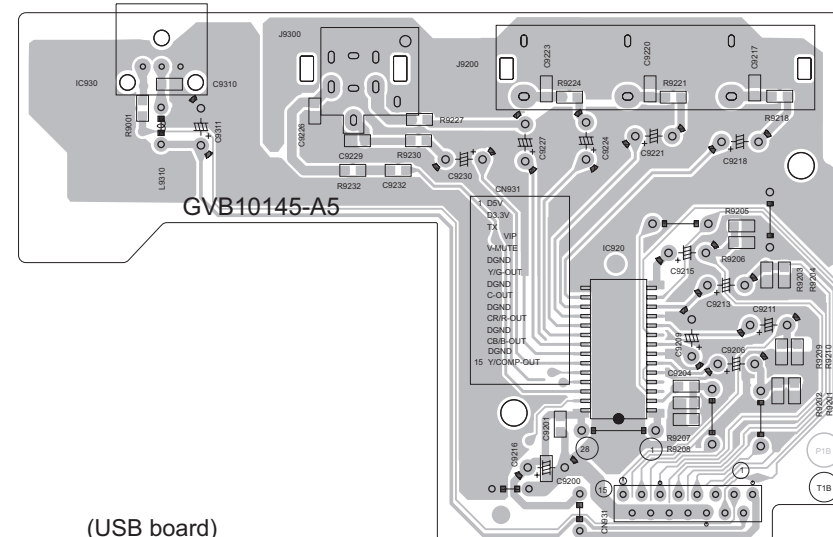
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

(Micom board)

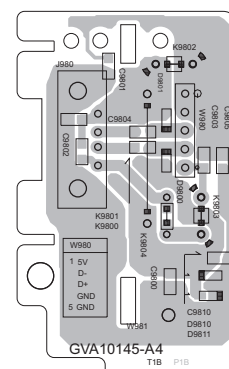
(Mic board)



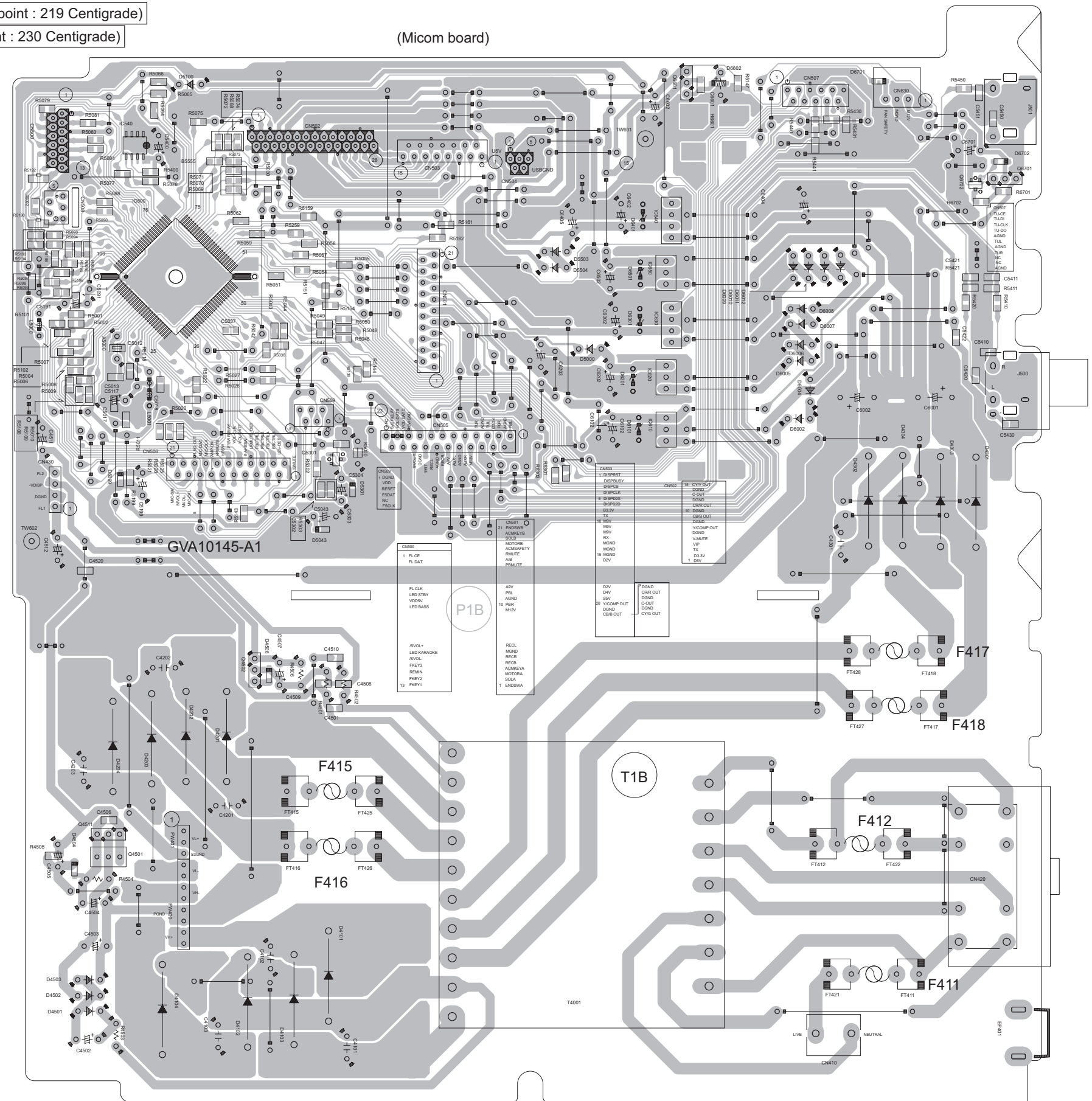
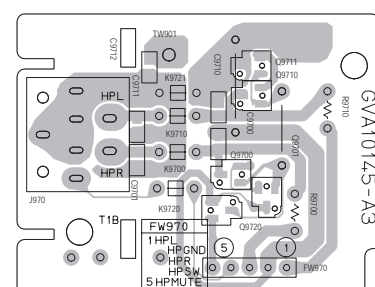
(Video board)



(USB board)



(Headphone board)

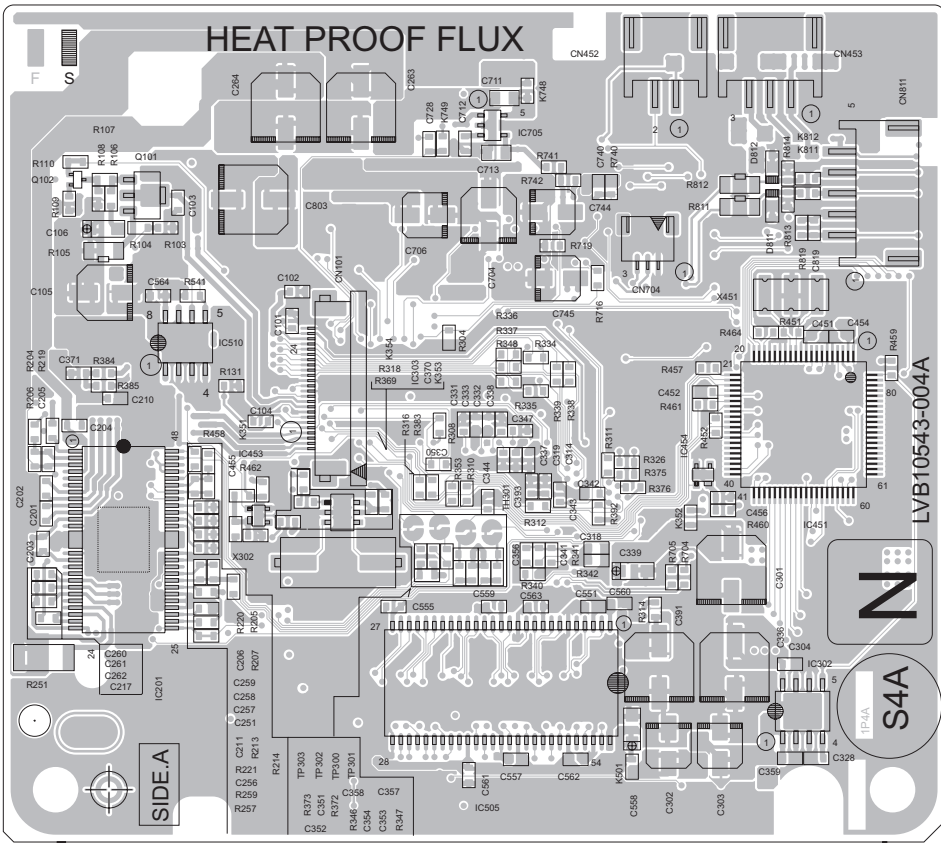


■ Front end board

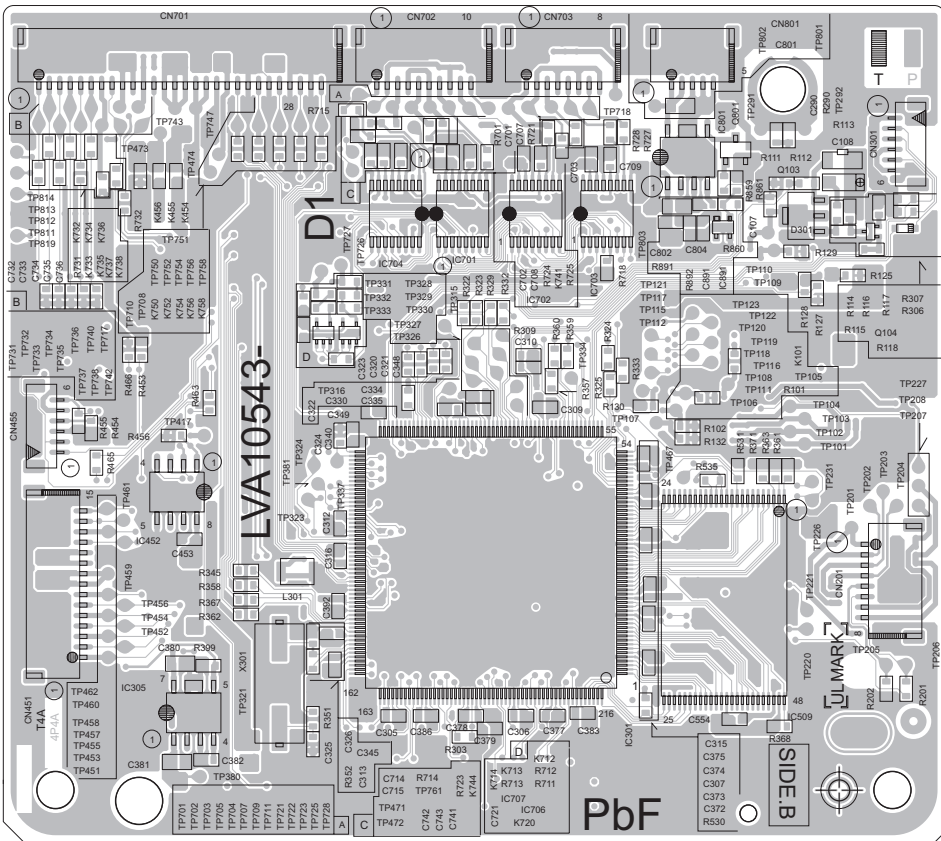
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

forward side

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



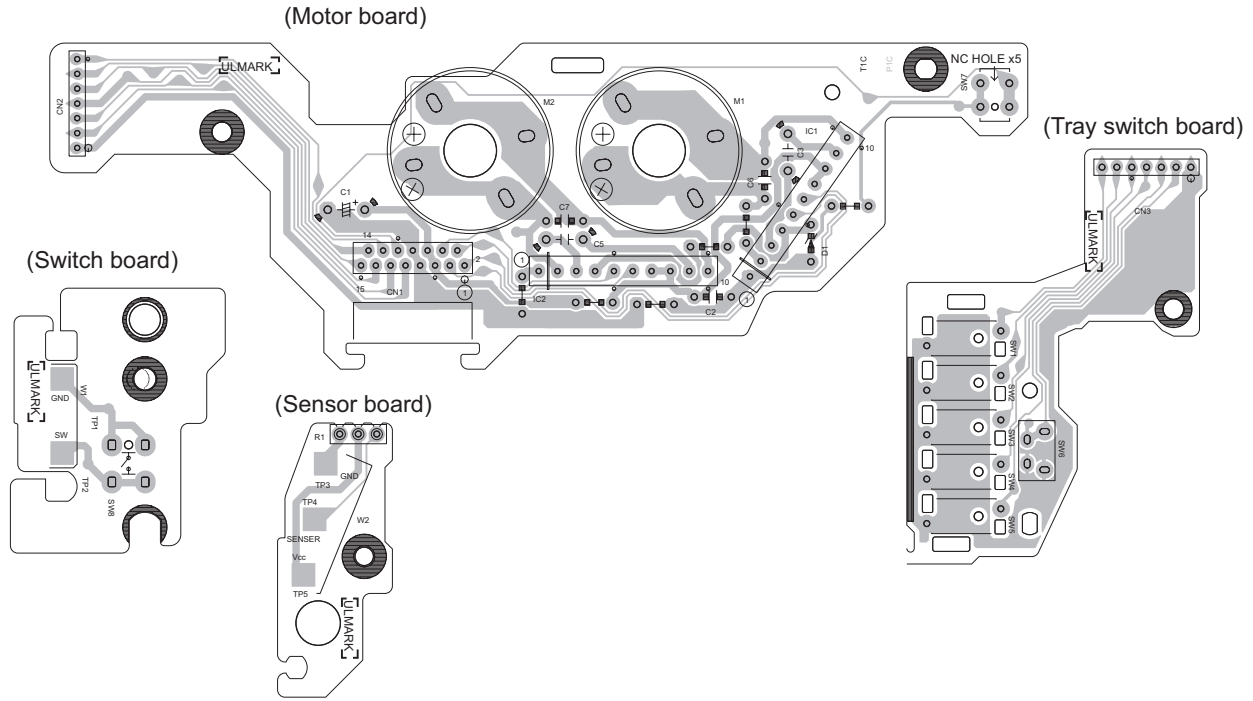
reverse side



■ Loader board

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

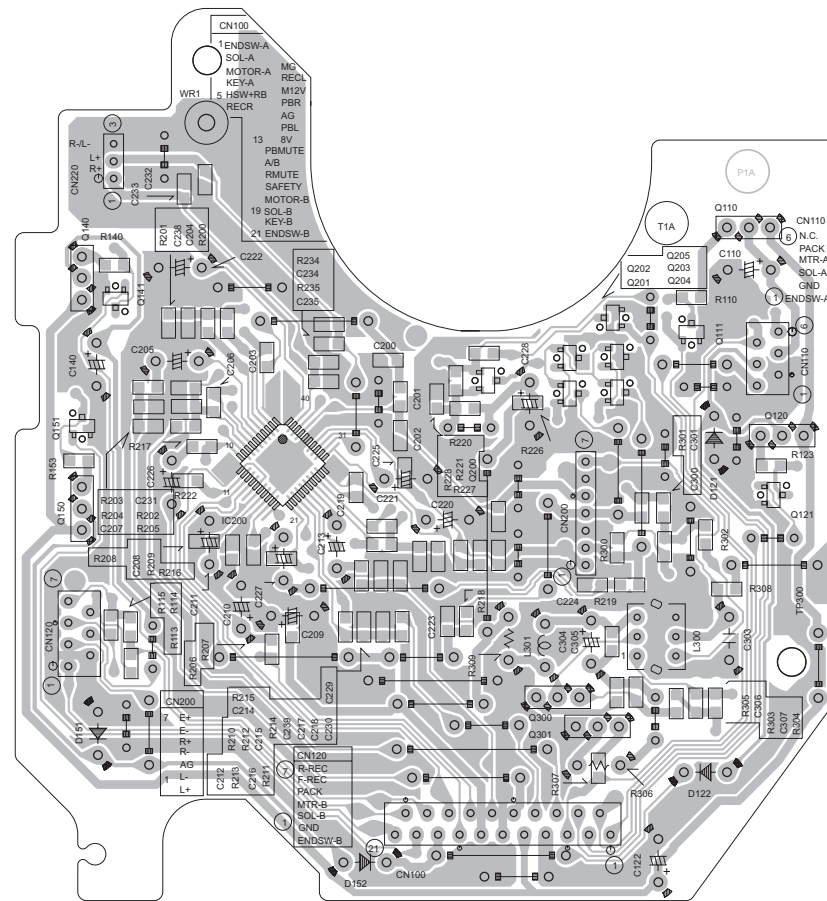
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)



■ 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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