

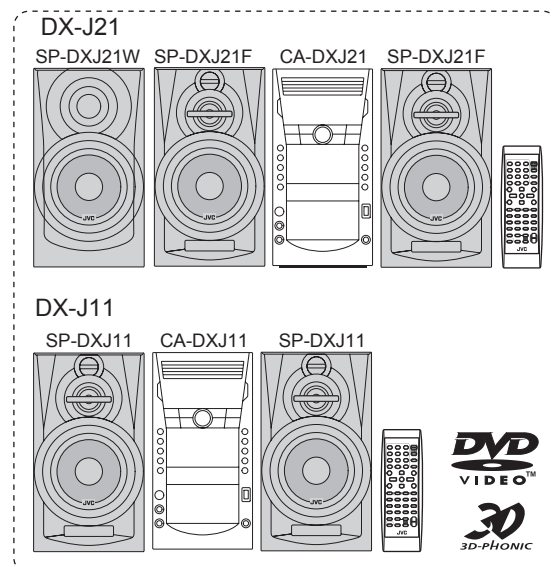
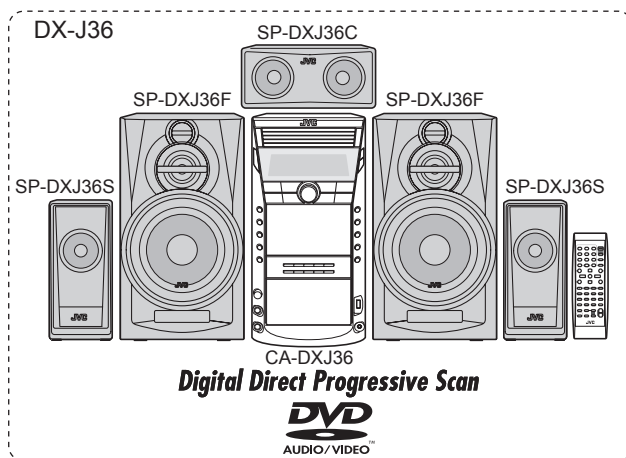
JVC

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)

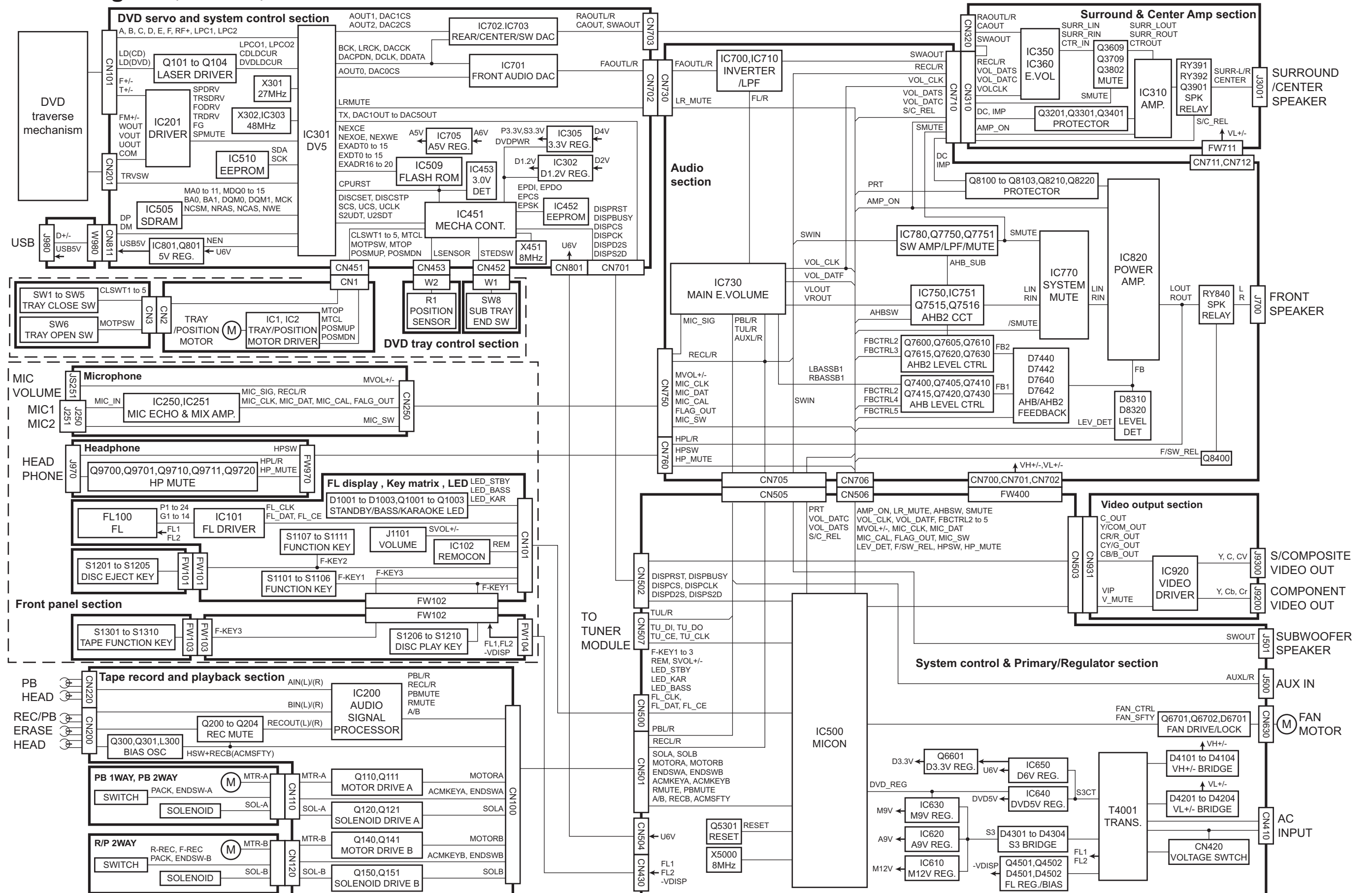
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

Contents

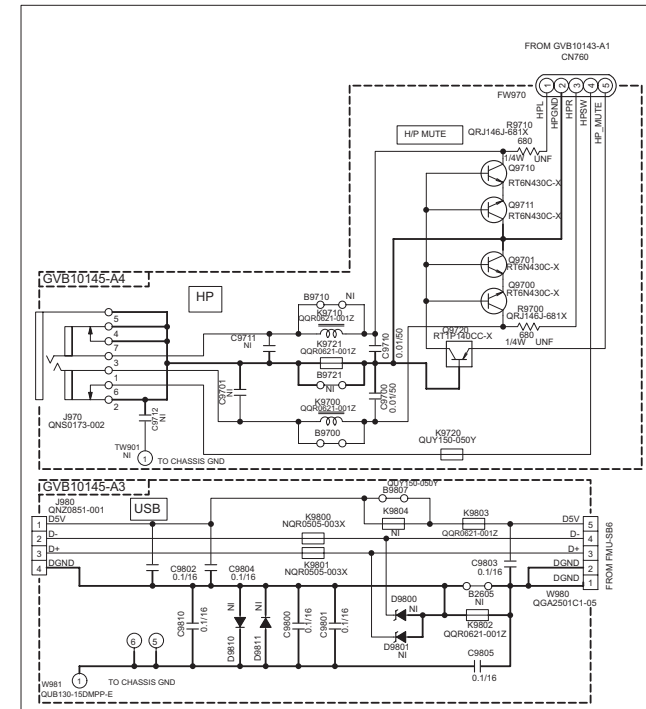
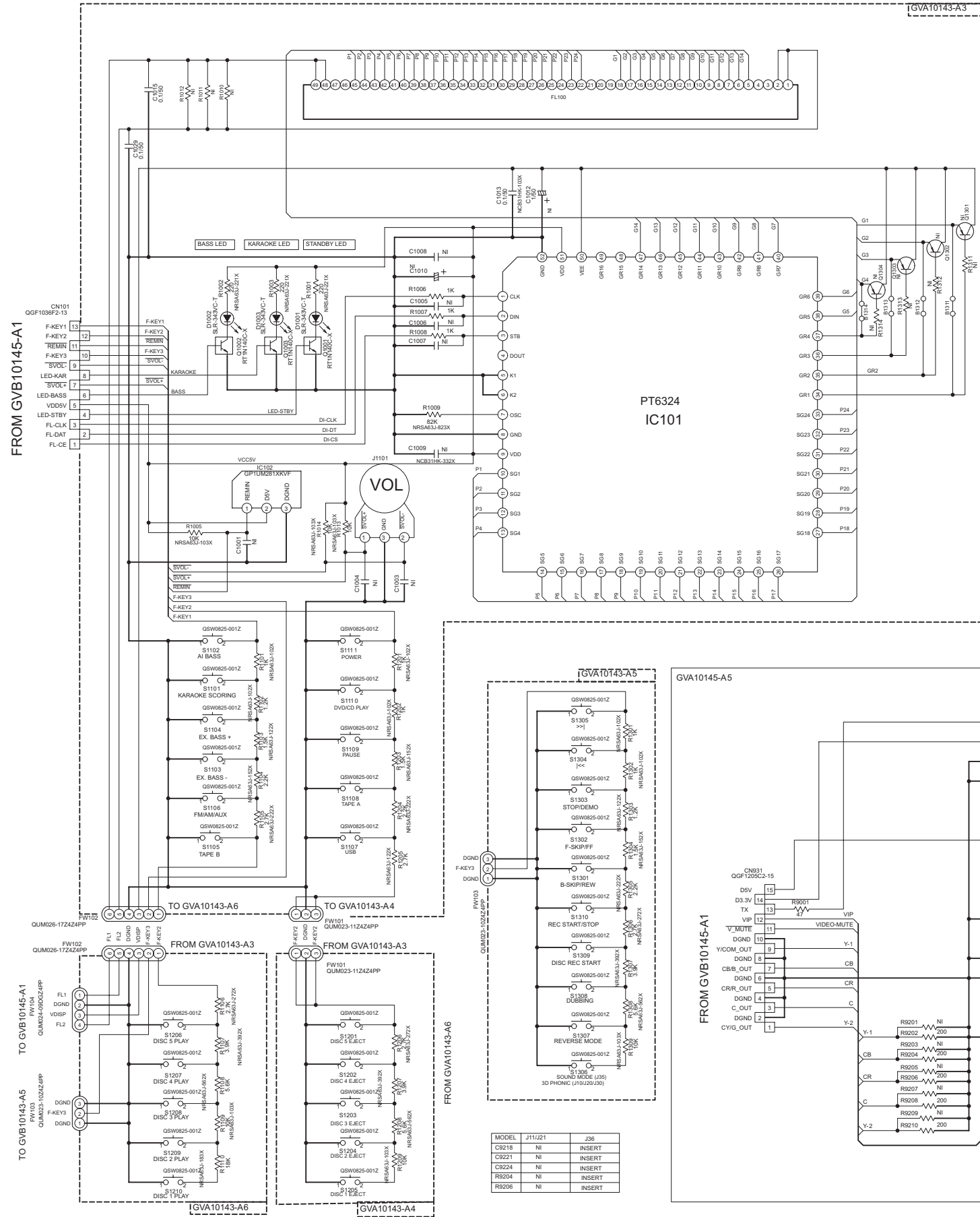
Block diagrams	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-20 to 22

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 "▲" mark nearby are critical for safety.

Block diagram (For DX-J36)



■ Front section (DX-J36)

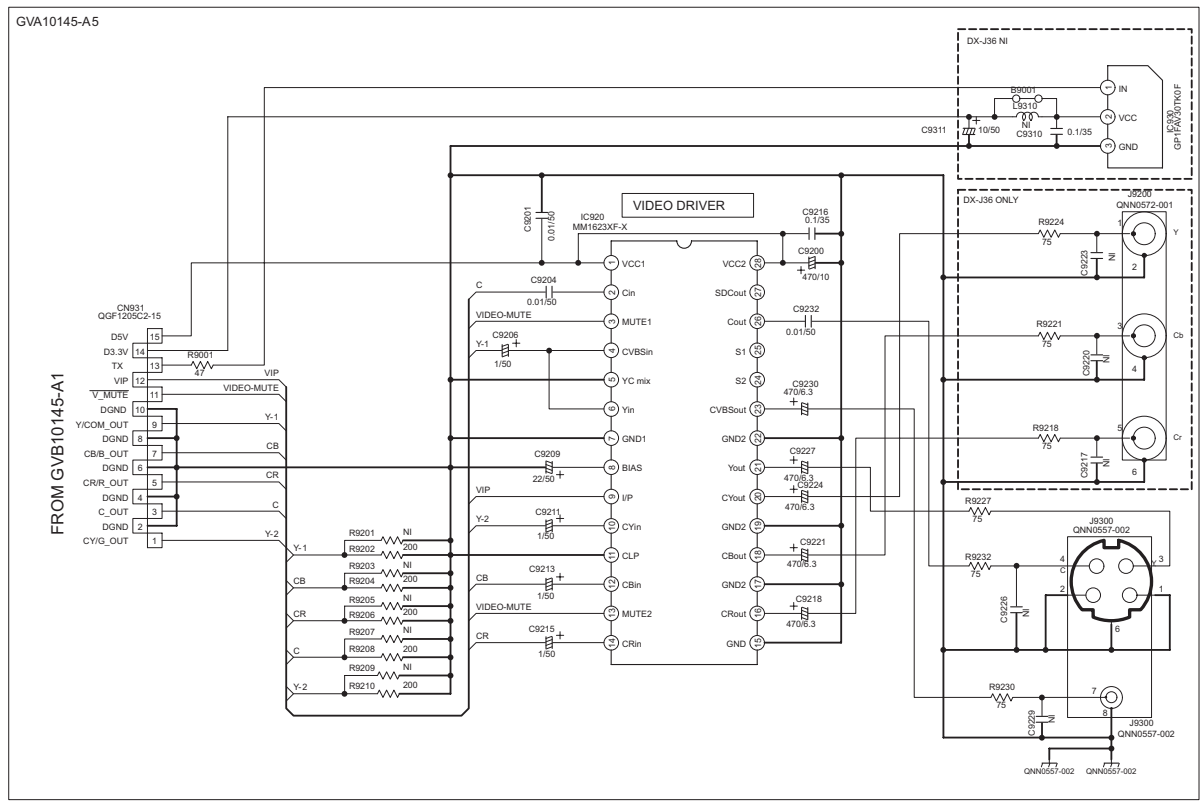


DIGITAL TRANSISTOR CONSTRUCTION

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

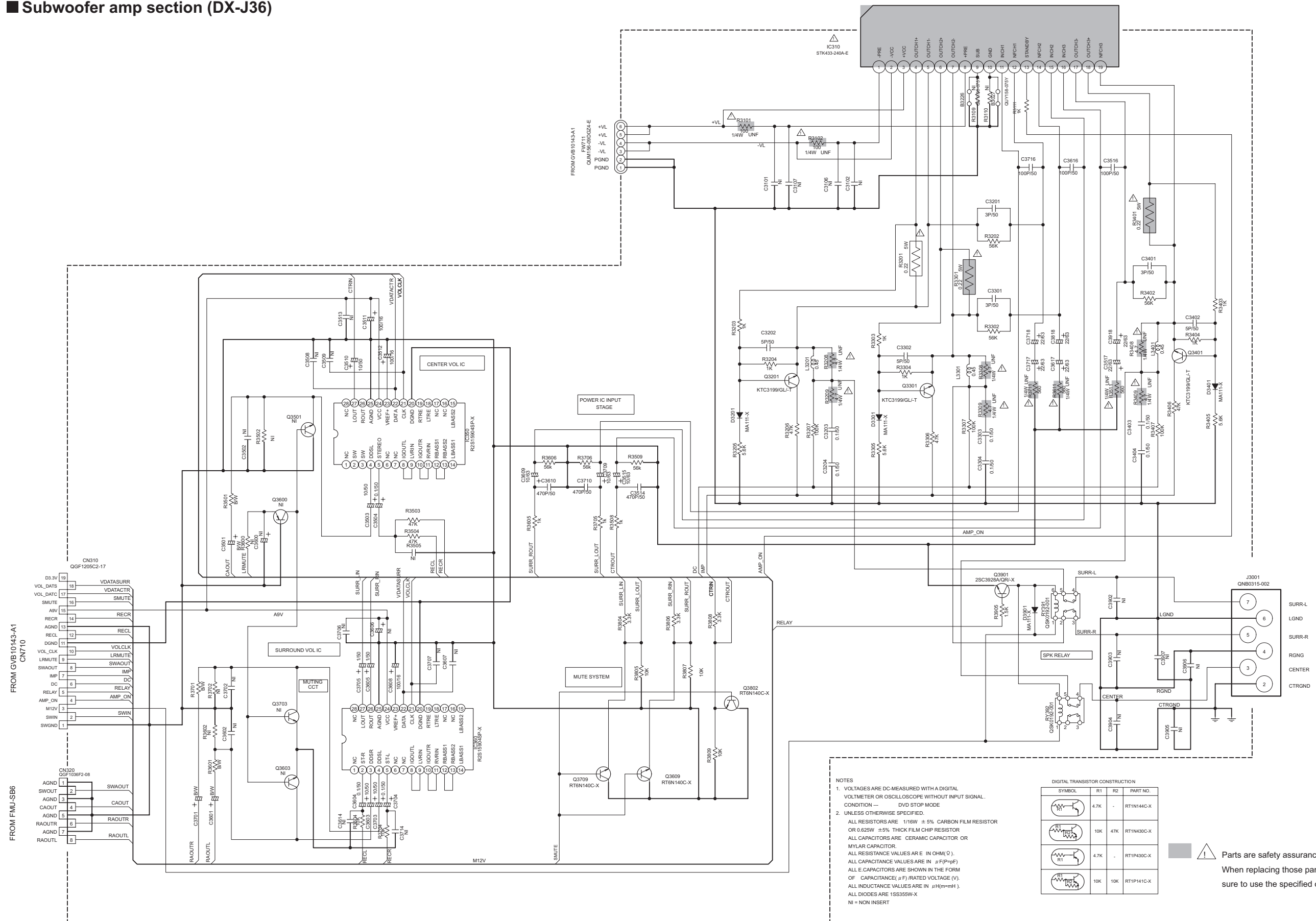
NOTES

- 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 Ω (M, K, M). ALL CAPACITANCE VALUES ARE IN μF (P, N, F). ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) RATED VOLTAGE (V). ALL INDUCTANCE VALUES ARE IN μH (m, H). 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)

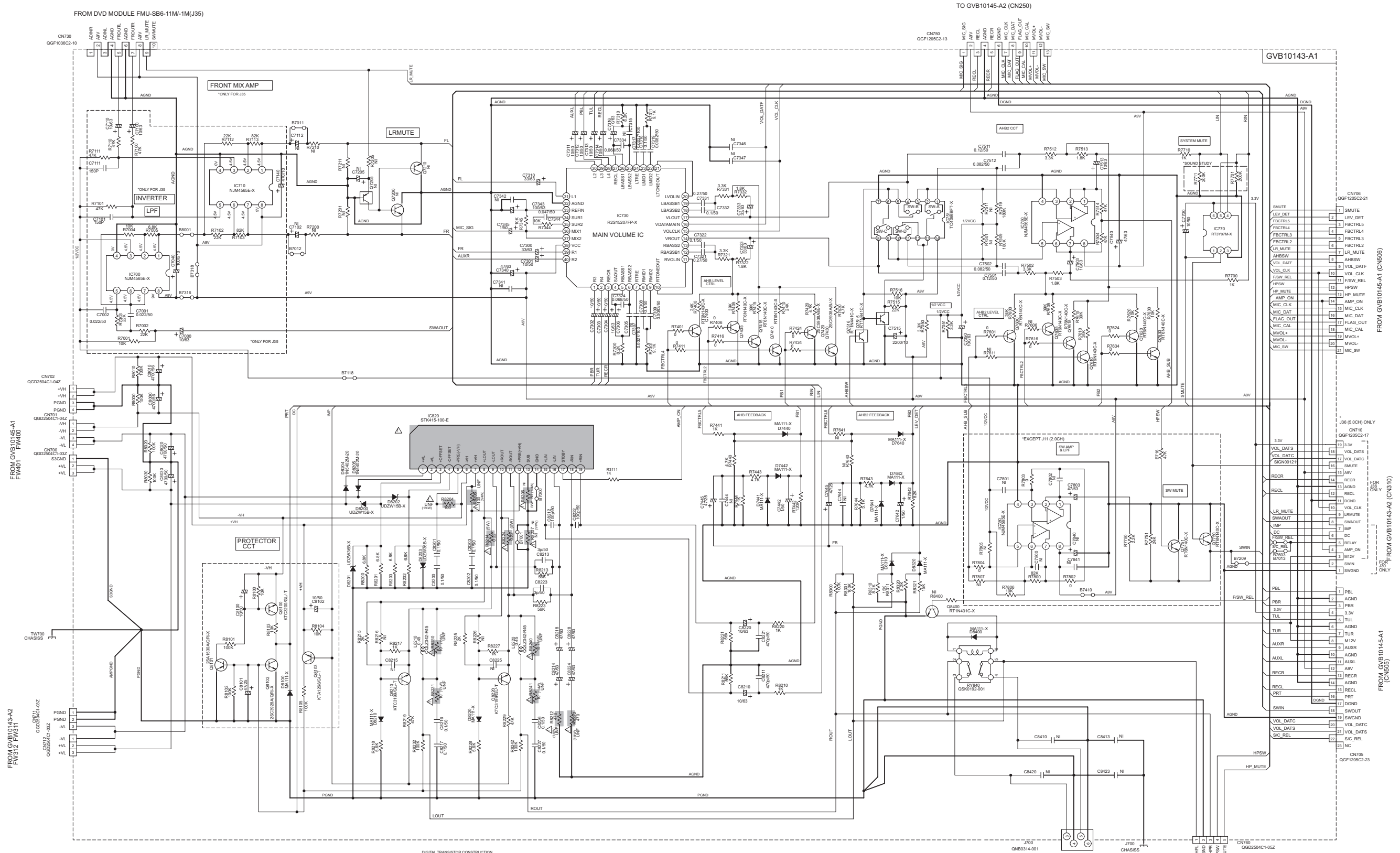


NOTES
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLTMETER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION — DVD STOP MODE
 2. UNLESS OTHERWISE SPECIFIED.
 ALL RESISTORS ARE 1/16W ± 5% CARBON FILM RESISTOR OR 0.625W ± 5% THICK FILM CHIP RESISTOR
 ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
 ALL RESISTANCE VALUES ARE IN OHM(Ω).
 ALL CAPACITANCE VALUES ARE IN μ(F)=P(F)
 ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μ F)/RATED VOLTAGE (V).
 ALL INDUCTANCE VALUES ARE IN μH(m=mH).
 ALL DIODES ARE 1SS355W-X.
 NI = NON INSERT

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

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

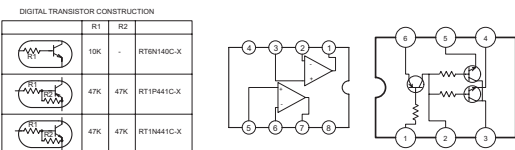
Audio section (DX-J36)



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 (PpF). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) - RATED VOLTAGE (V). ALL INDUCTANCE VALUES ARE IN μH (mH). ALL DIODES ARE MA111-X. N = NON INSERT.



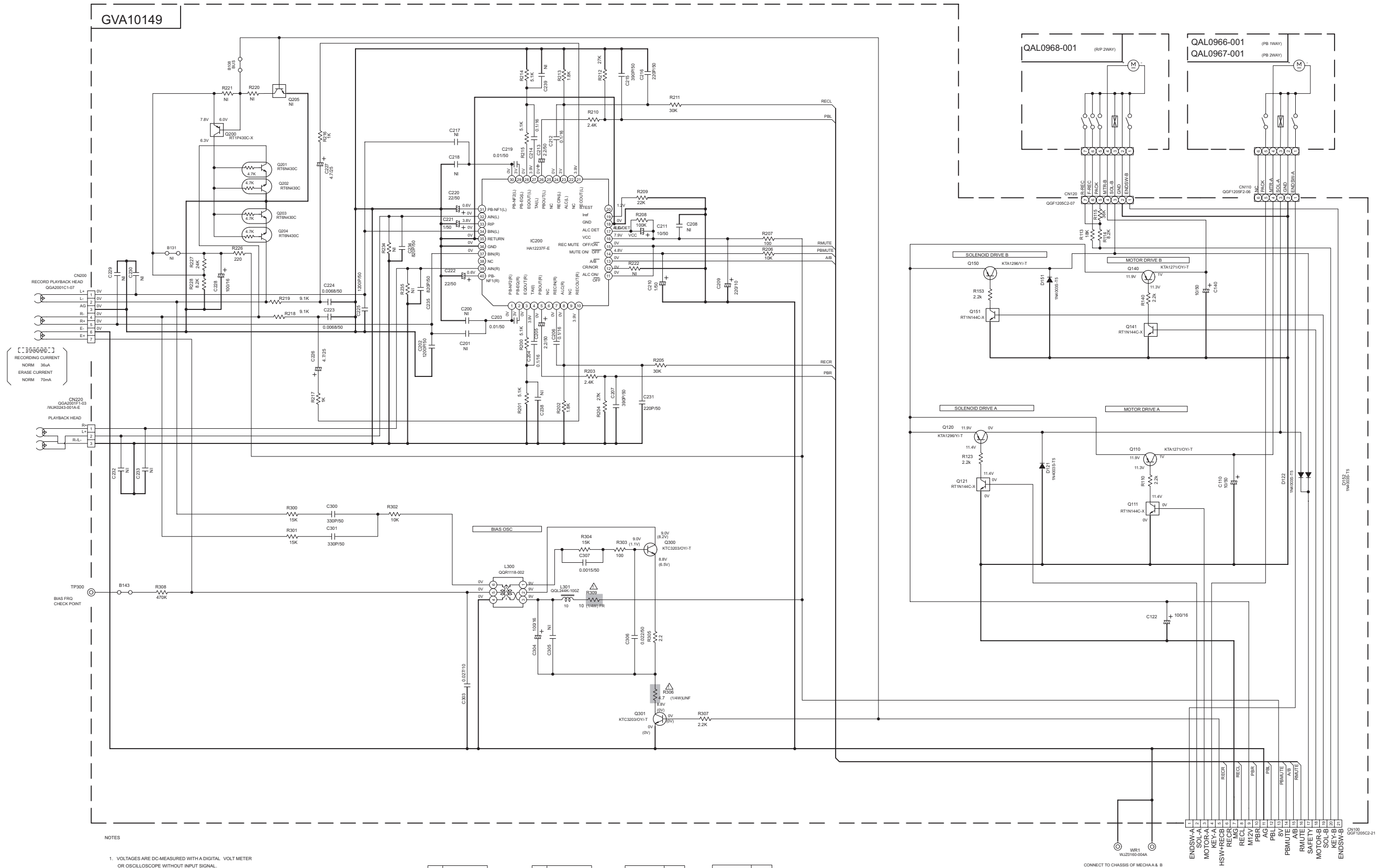
SOUND STUDY

	J11	J21	J36
R7701	62K	220K	200K
R7711	62K	220K	200K
R7731	62K	100K	24K
C8200	0.0000056	0.0000056	0.0000056
C8210	0.0000056	0.0000056	0.0000056

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

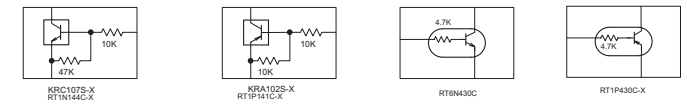
TO GVB10145-A4 (FW260)

■ Cassette control section (DX-J36)



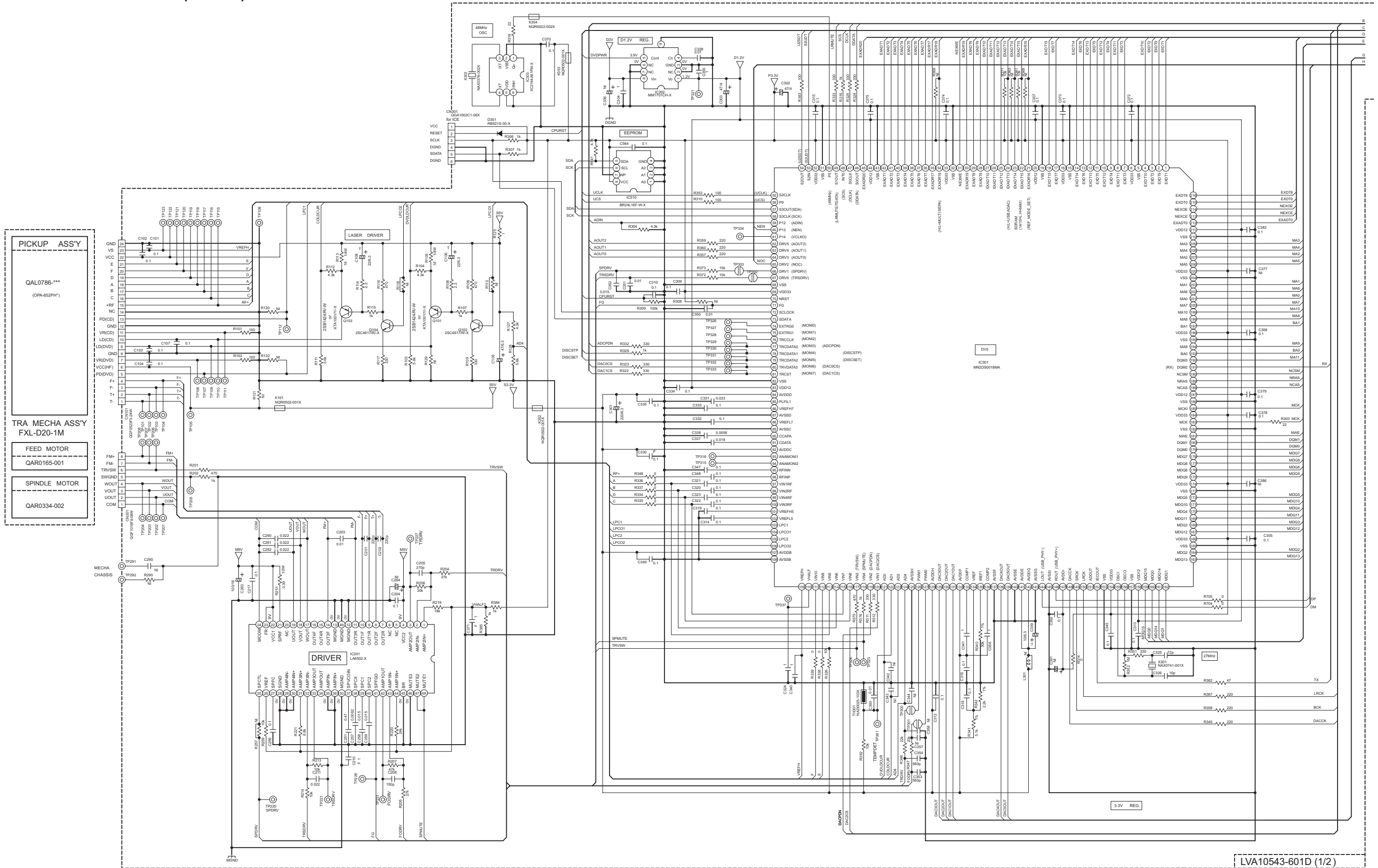
NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION : MECHA STOP MODE
- UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR. 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 μH(μH). ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) RATED VOLTAGE (V). POLYPROPYLENE CAPACITOR



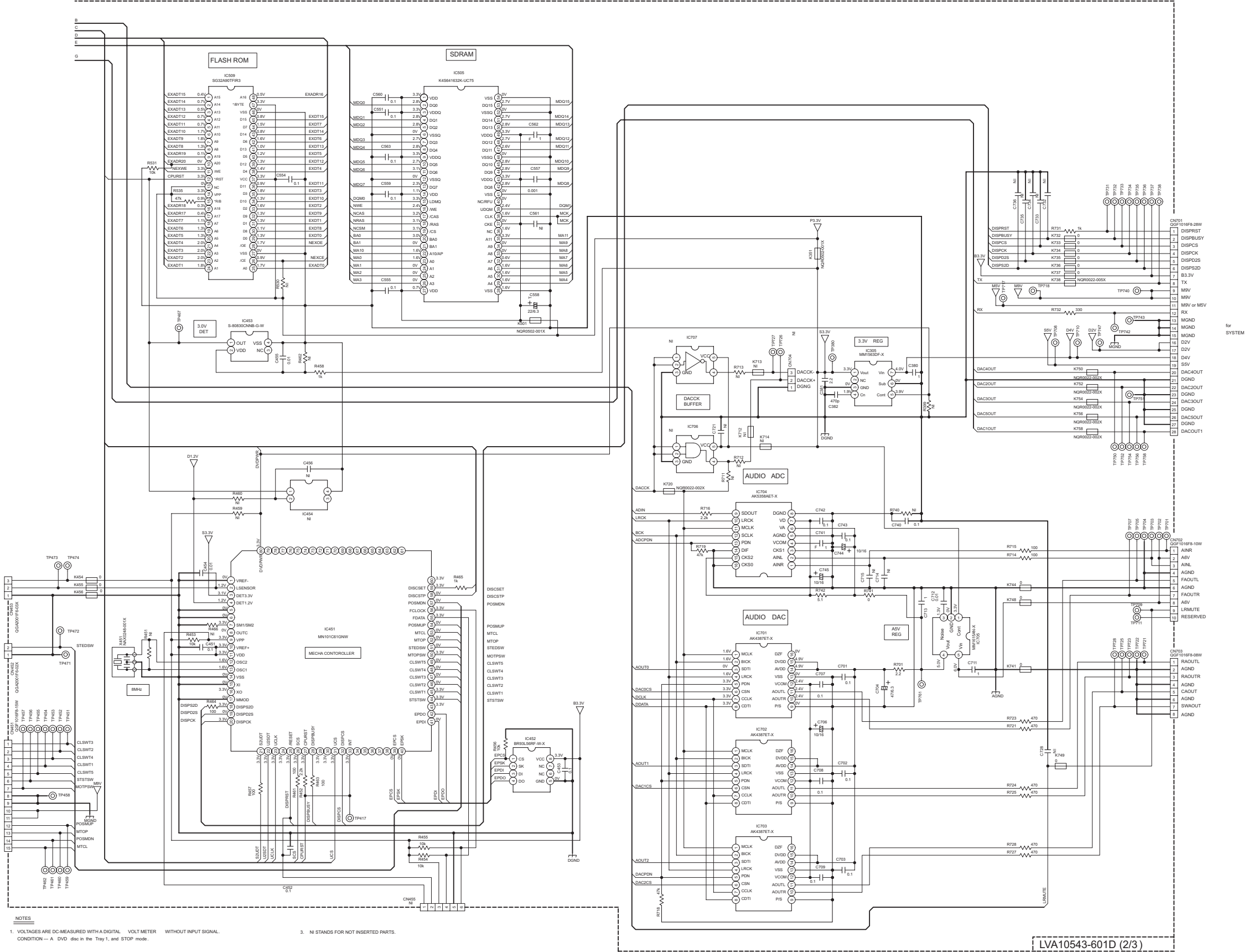
Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ Front end section 1 (DX-J36)



LVA10543-601D (1/2)

■ Front end section 2 (DX-J36)

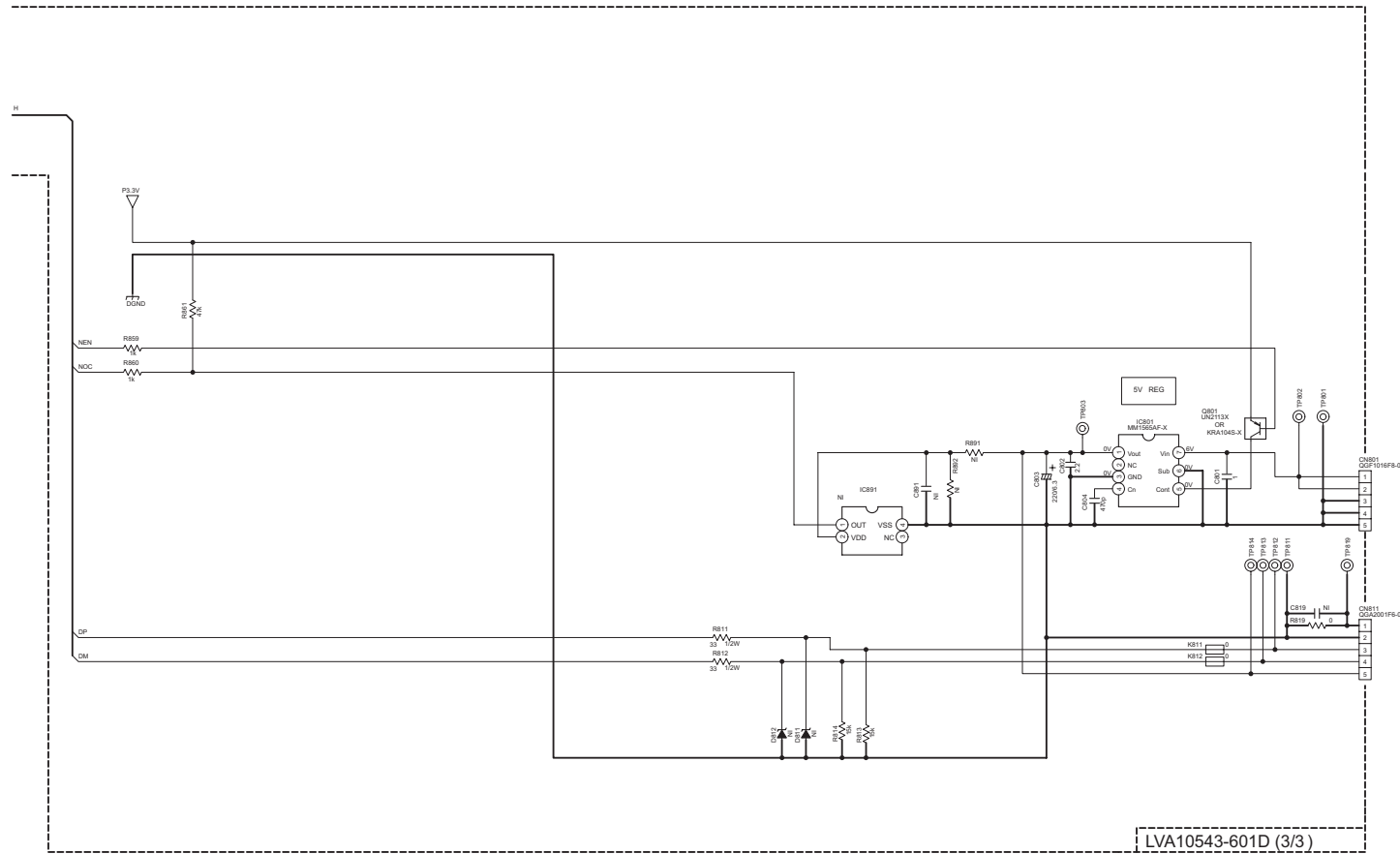


LOADER ASS'Y
CH5-BASE-1

See
LVS20135-002A

- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT-METER WITHOUT INPUT SIGNAL.
CONDITION — A DVD disc in the Tray 1, and STOP mode.
 2. 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 PICO-FARAD (pF).
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#) / RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN MICRO-HENRY (μH).
 3. NI STANDS FOR NOT INSERTED PARTS.

Front end section 3 (DX-J36)



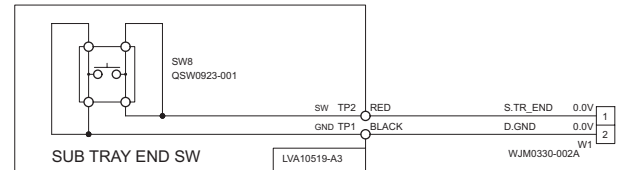
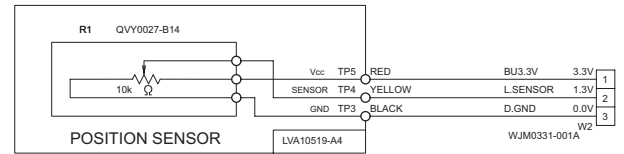
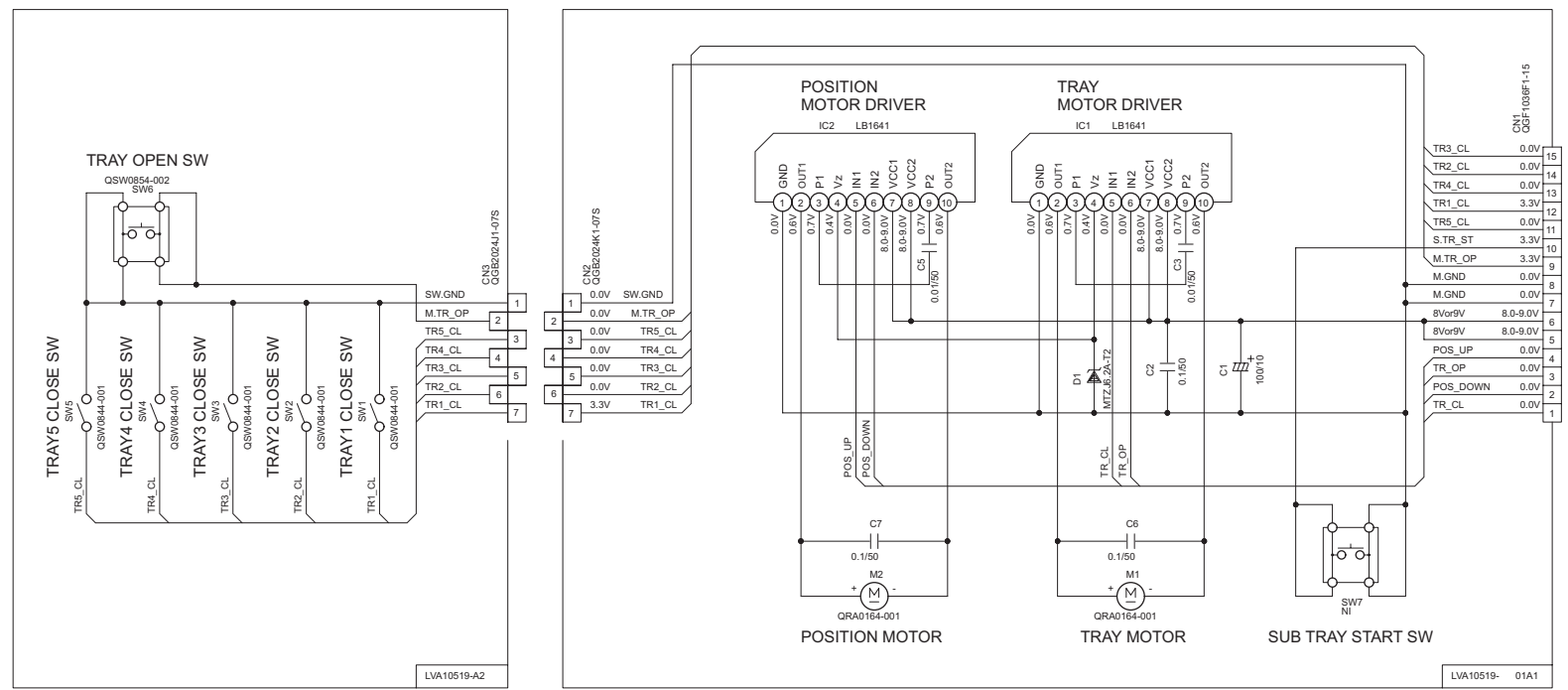
LVA10543-601D (3/3)

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, 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 nH (nH).
- NI STANDS FOR NOT INSERTED PARTS.
- DIGITAL TRANSISTOR



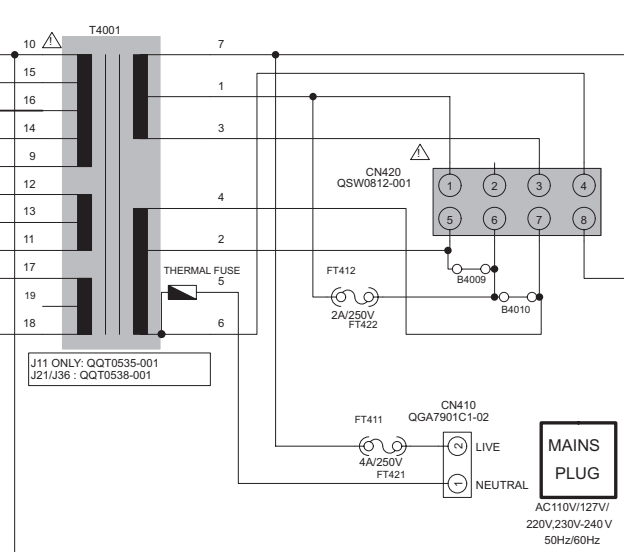
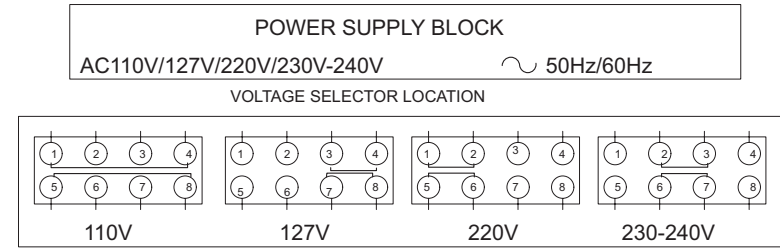
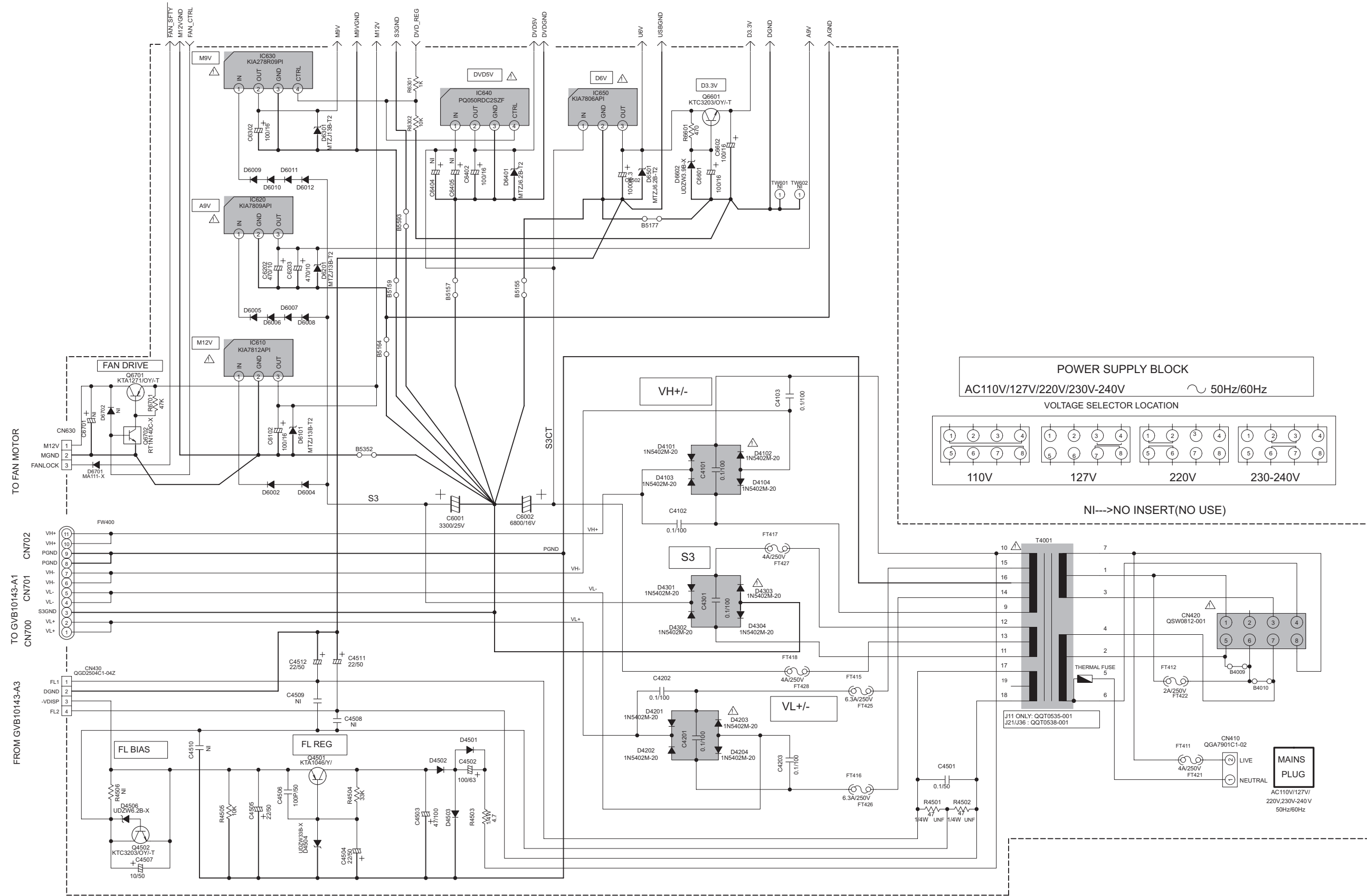
Loader section (DX-J36)



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)



NOTES

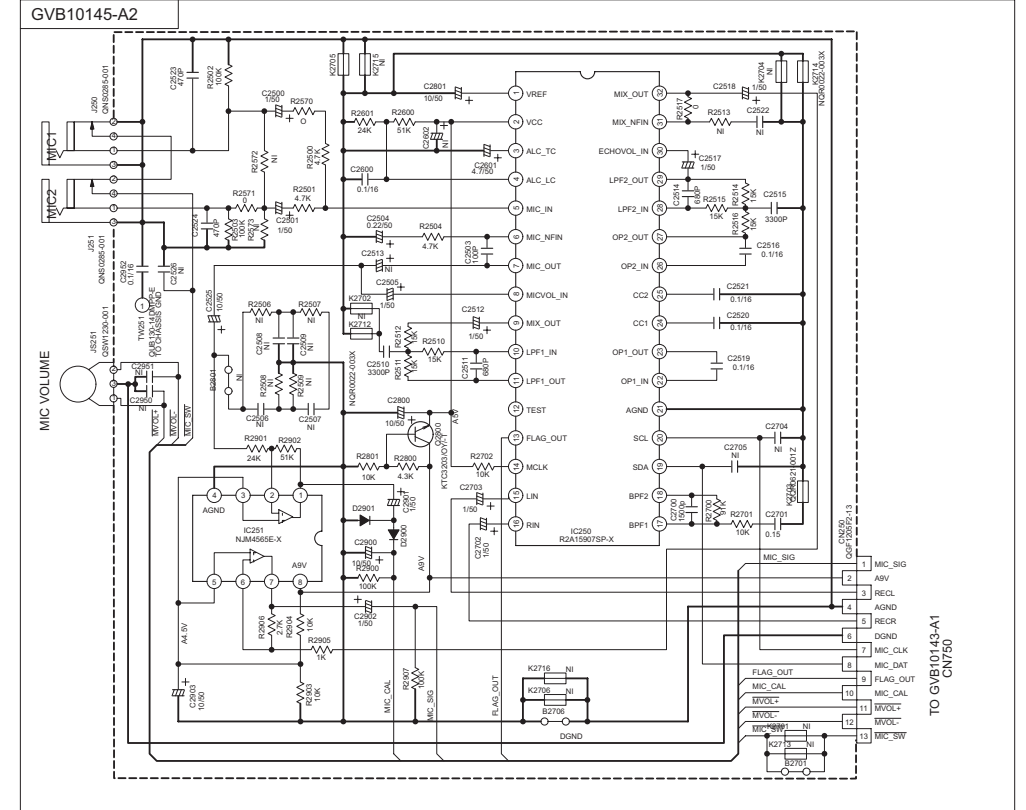
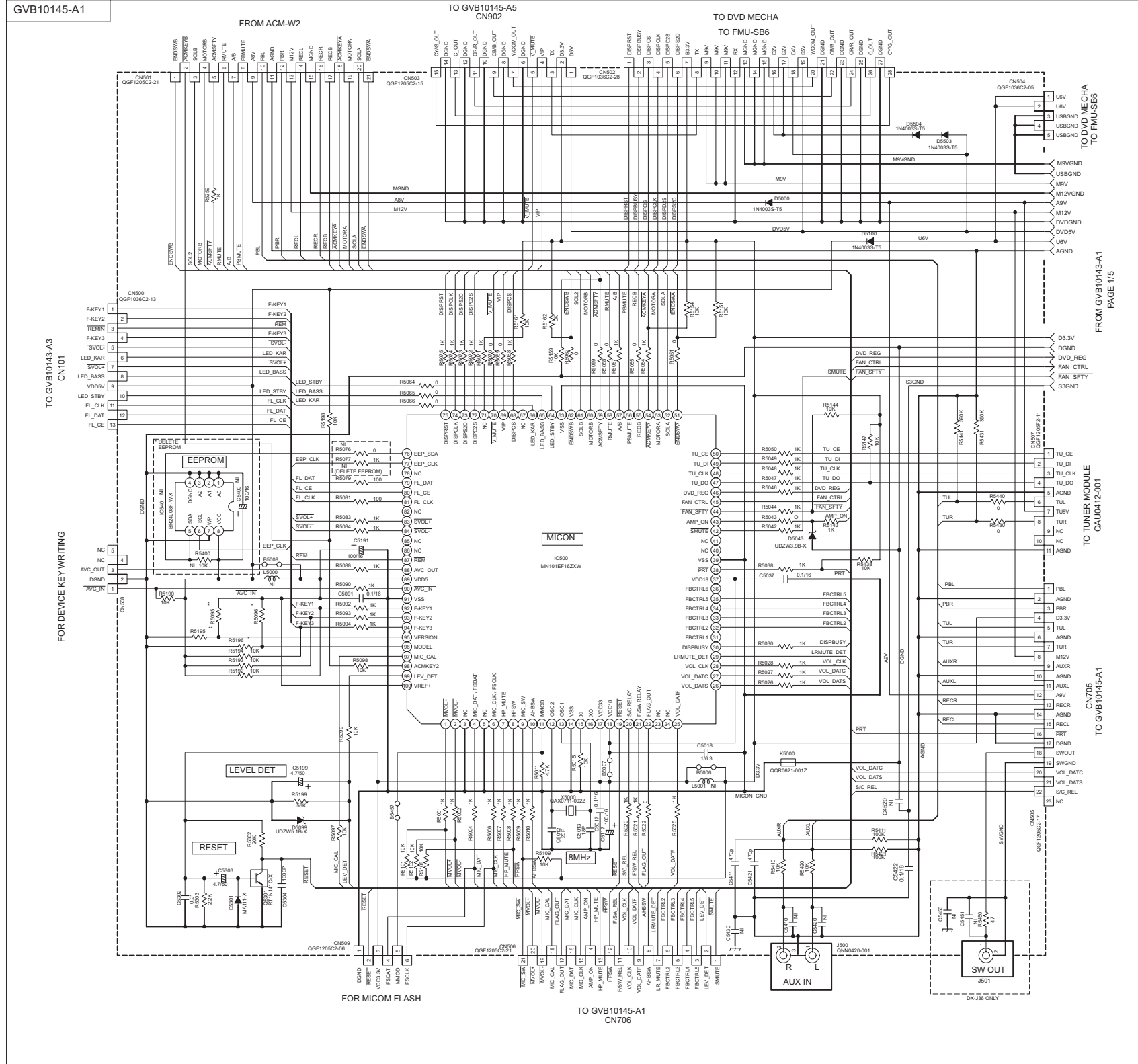
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLTMETER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP MODE
- UNLESS OTHERWISE SPECIFIED. ALL RESISTORS ARE 1/16W ±5% CARBON FILM RESISTOR OR 0.625W ±5% THICK FILM CHIP RESISTOR. ALL CAPACITORS ARE E CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM(Ω).

ALL CAPACITANCE VALUES ARE IN μF(P=pF). ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V). ALL INDUCTANCE VALUES ARE IN μH(m=mH). ALL DIODES ARE 1N4003S-T5. NI = NON INSERT

VERSION	CN420	B4009	B4010
A/EE	NI	NI	INSERT
UY	NI	INSERT	NI
OTHERS	INSERT	NI	NI

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

■ Micom section (DX-J21,DX-J11)



- 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 (μH).
 - ALL FERRITE BEADS ARE OQR0621-001Z.
 - NI = NON INSERT

DIGITAL TRANSISTOR CONSTRUCTION

Q#	SYMBOL	R1	R2	PART NO.
1		4.7K	-	RT1N144C-X
2		10K	47K	RT1N430C-X
3		4.7K	-	RT1P430C-X
4		10K	10K	RT1P141C-X

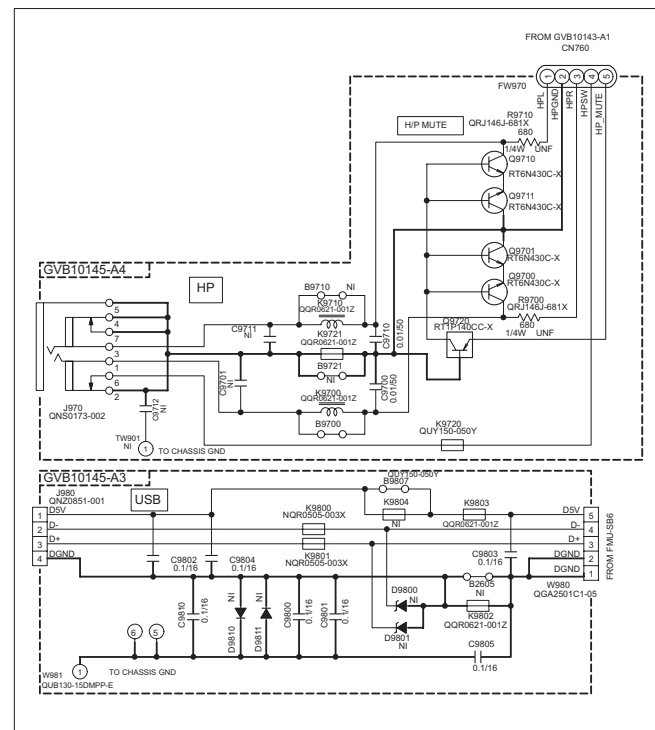
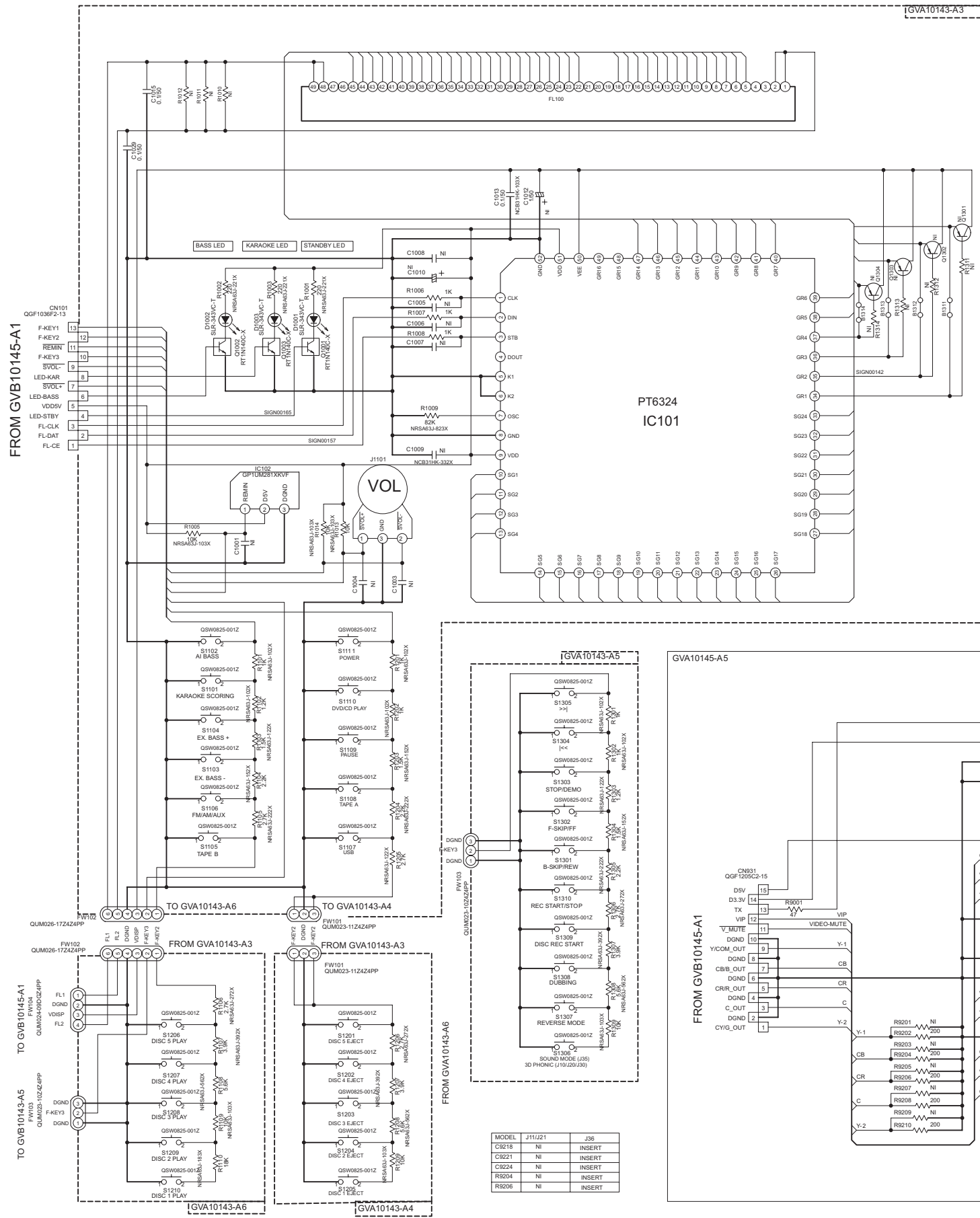
* MODEL INDICATION

Q#	J11	J21	J36
R5096	15K	10K	10K
R5196	NIL	NIL	15K

** VERSION INDICATION

Q#	R5095	R5195
LSUN40HA	10K	NIL
LUW1UY	10K	18K
LUX4UG	10K	5.6K
EE	NIL	10K

■ Front section (DX-J21,DX-J11)

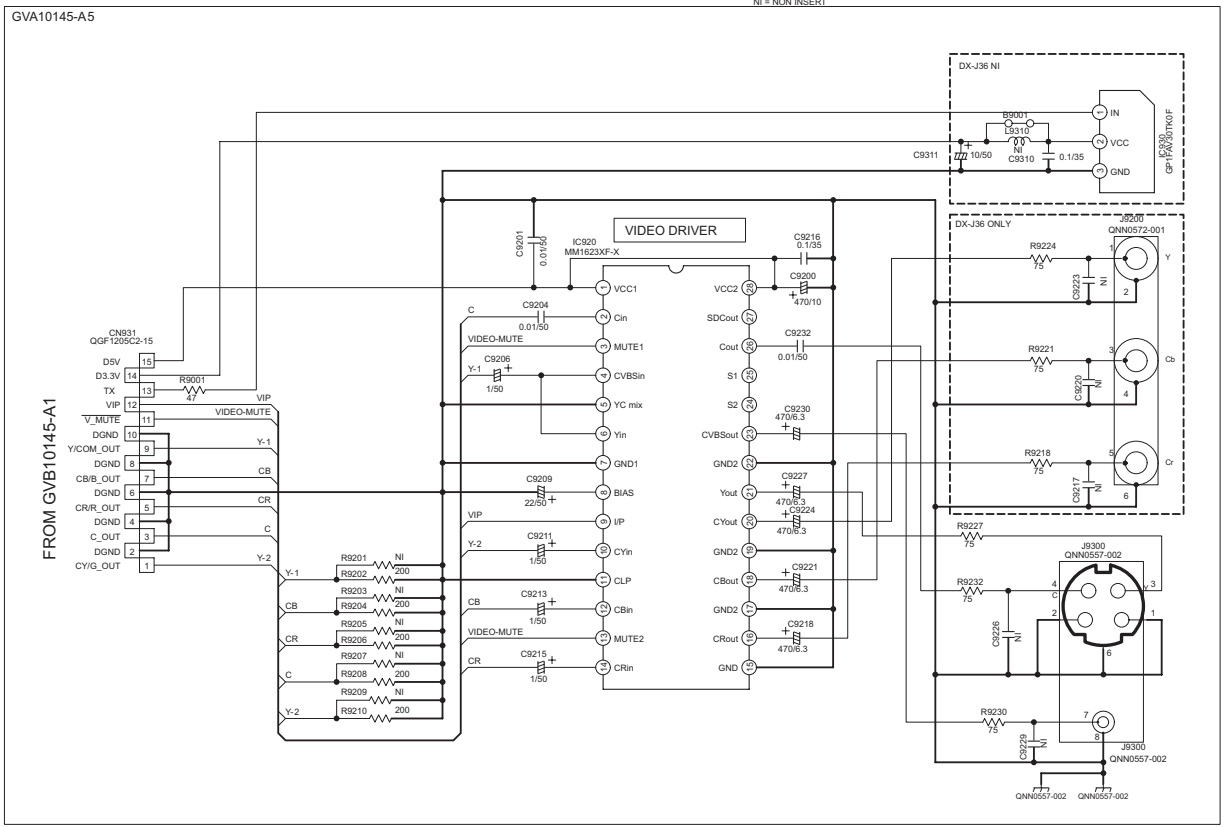


DIGITAL TRANSISTOR CONSTRUCTION

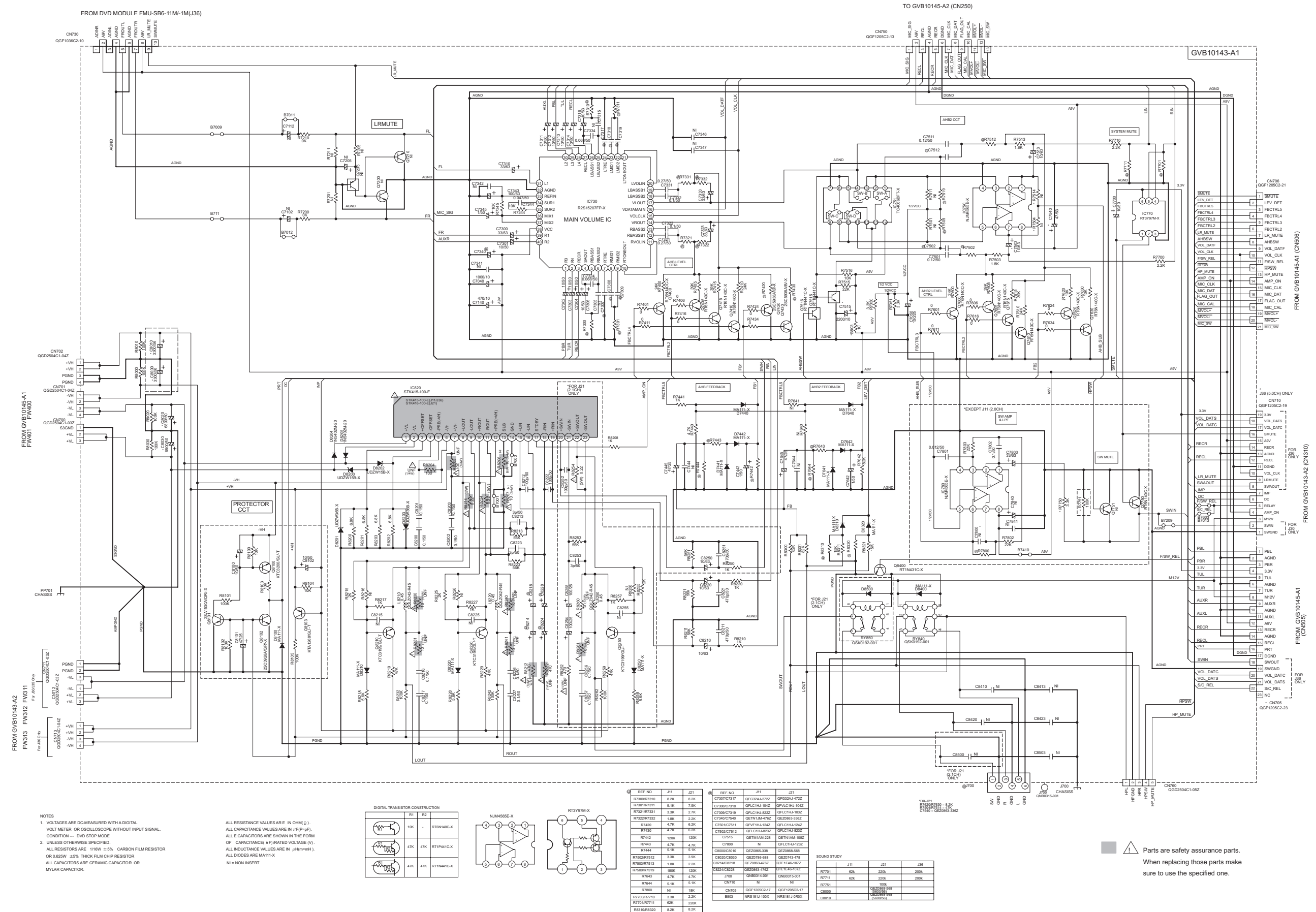
SYMBOL	R1	R2	PART NO.
	4.7K	-	RT1N144C-X
	10K	47K	RT1N430C-X
	4.7K	-	RT1P430C-X
	10K	10K	RT1P141C-X

- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLTMETER 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) OR pF (pF). ALL E CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF), RATED VOLTAGE (V). ALL INDUCTANCE VALUES ARE IN mH (mH). ALL DIODES ARE MA111-X. NI = NON INSERT

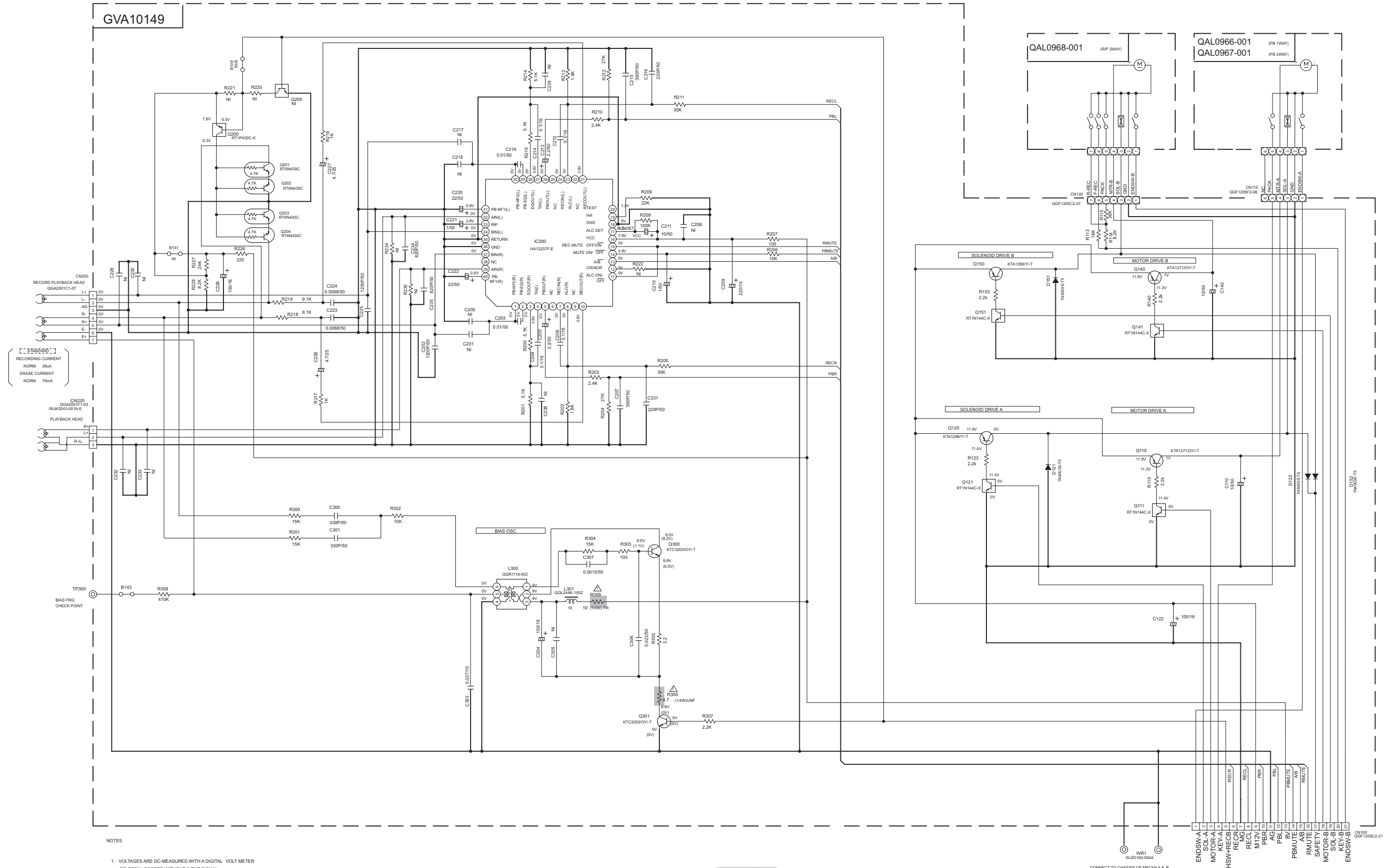
MODEL	J11/J21	J36
C9218	NI	INSERT
C9221	NI	INSERT
C9224	NI	INSERT
R9204	NI	INSERT
R9206	NI	INSERT



Audio section (DX-J21,DX-J11)

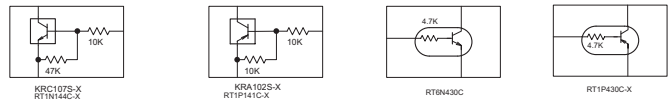


■ Cassette control section (DX-J21,DX-J11)



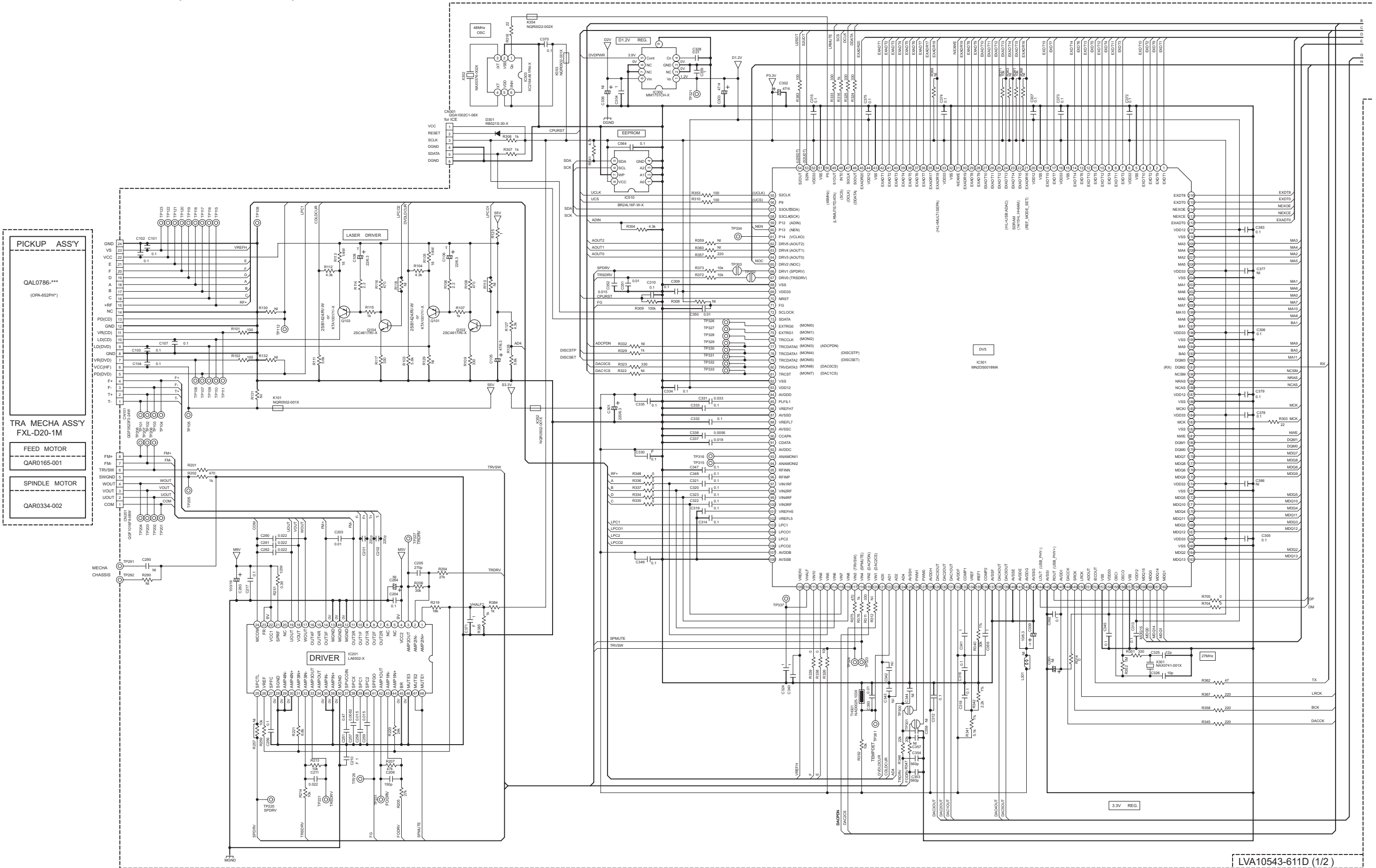
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION : MECHA STOP MODE
2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR. ALL RESISTANCE VALUES ARE IN OHM (Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN μF (μF=10⁻⁶F). ALL INDUCTANCE VALUES ARE IN μH (μH=10⁻⁶H). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) RATED VOLTAGE (V). POLYPROPYLENE CAPACITOR



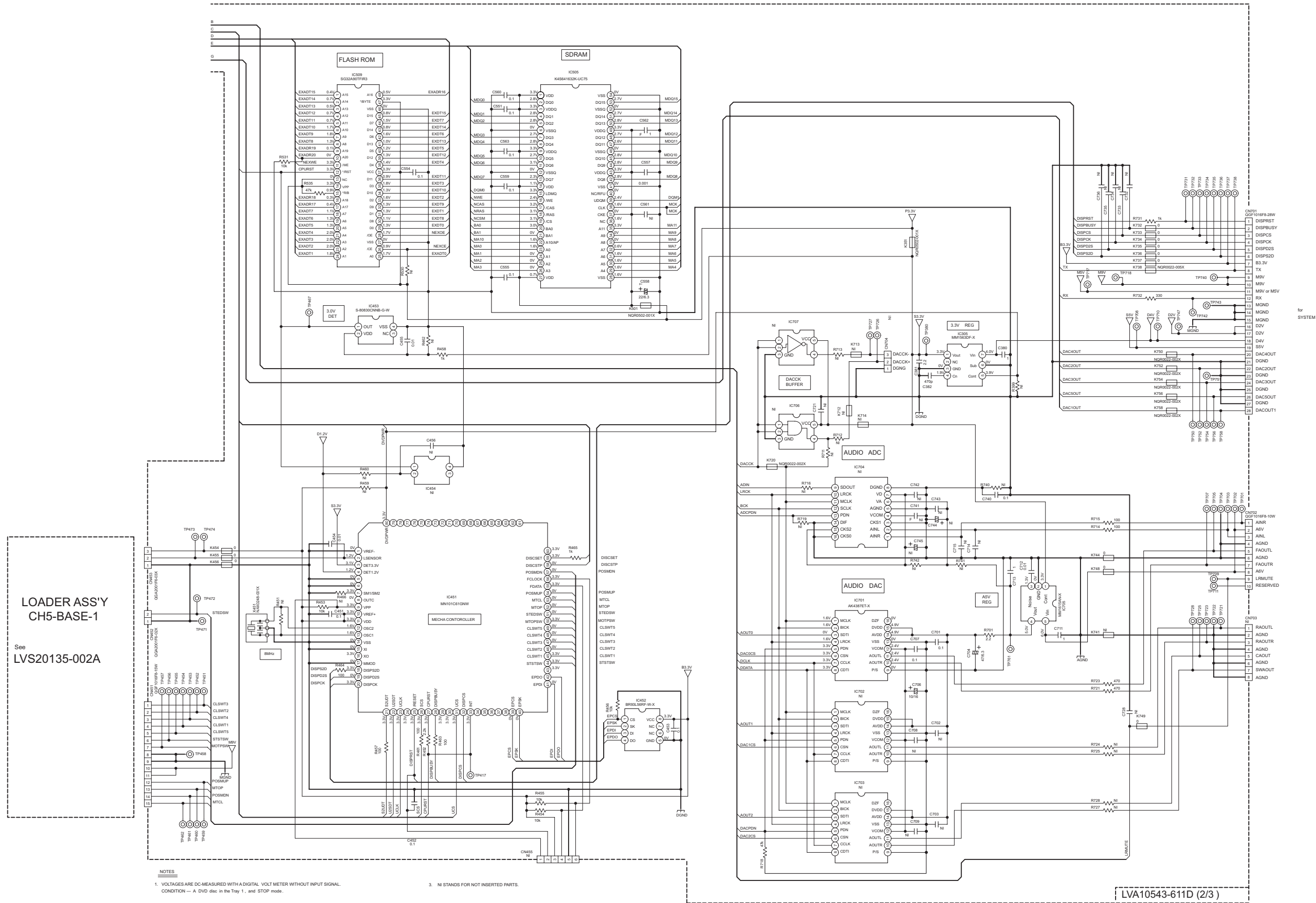
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ Front end section 1 (DX-J21,DX-J11)



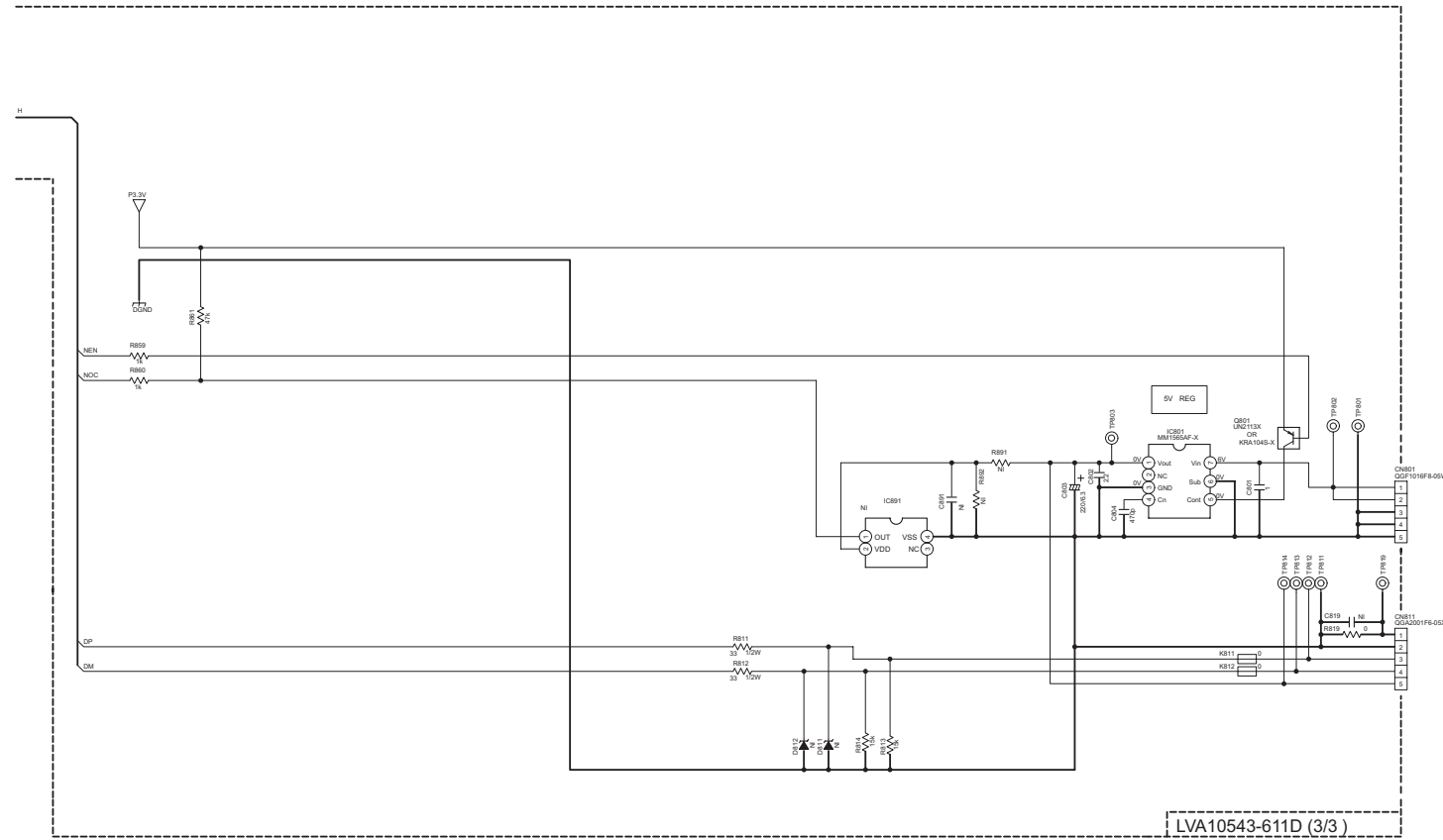
LVA10543-611D (1/2)

■ Front end section 2 (DX-J21,DX-J11)



- NOTES**
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CONDITION — A DVD disc in the Tray 1, and STOP mode.
 2. 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 μF(μF).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(μH).
 3. NI STANDS FOR NOT INSERTED PARTS.

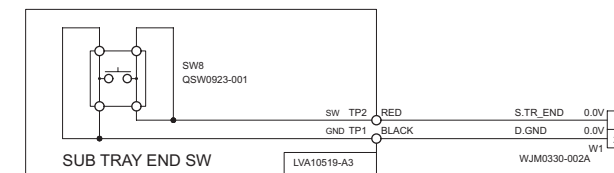
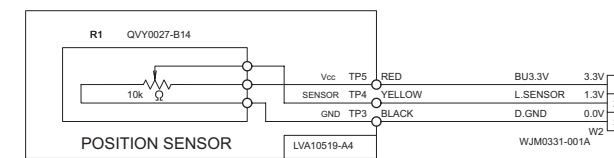
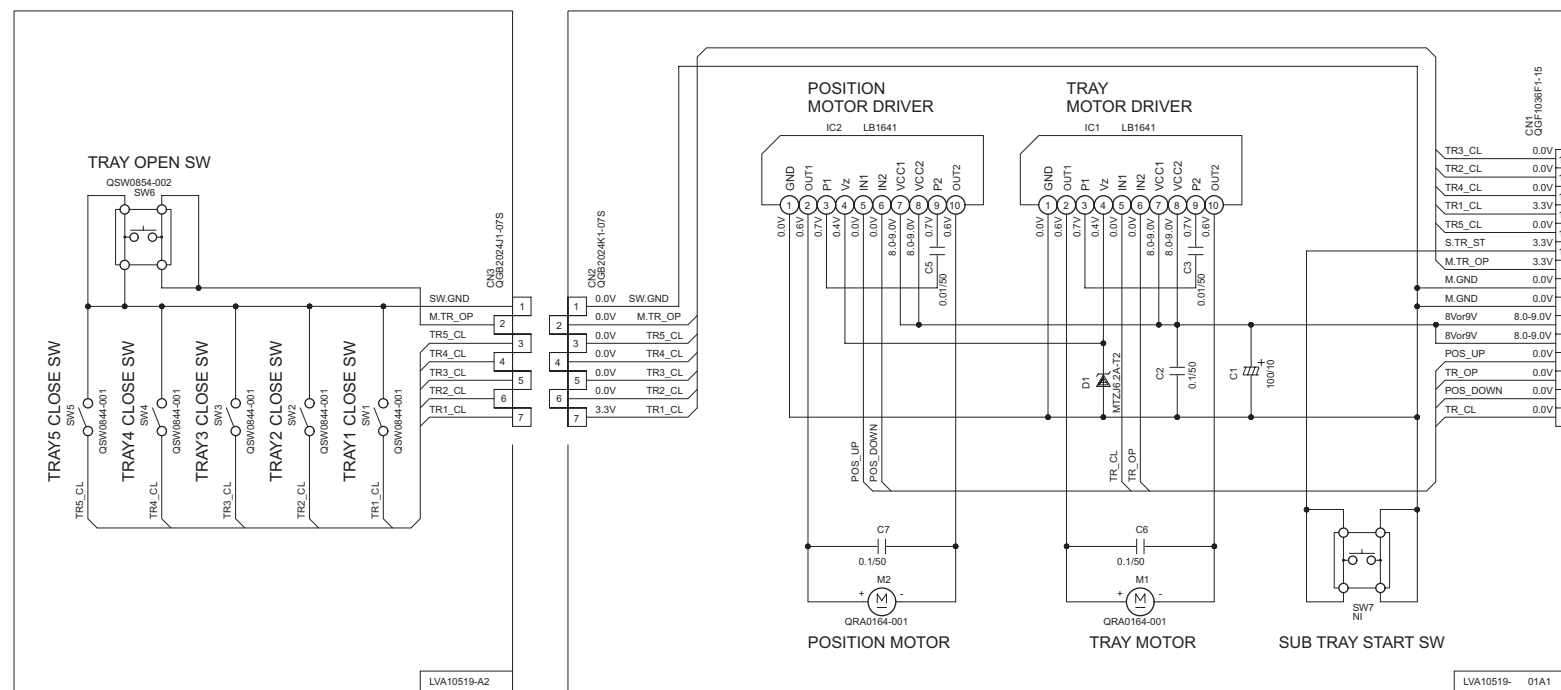
Front end section 3 (DX-J21,DX-J11)



NOTES

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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 PICO(F) (pF).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V).
ALL INDUCTANCE VALUES ARE IN HENRY (mH).
- NI STANDS FOR NOT INSERTED PARTS.
- DIGITAL TRANSISTOR
UN2113-X = 47k
47k

Loader section (DX-J21,DX-J11)

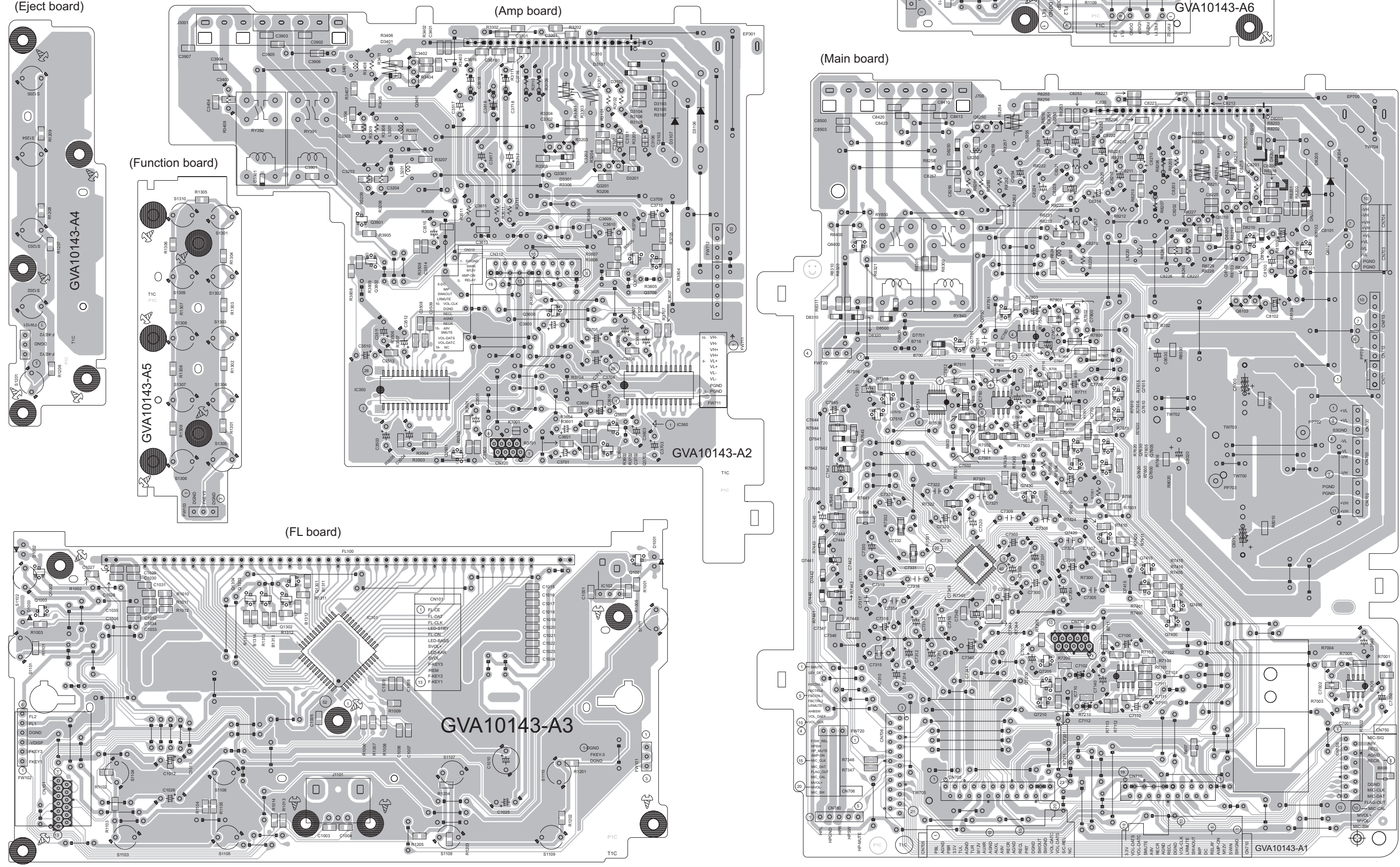


NOTES

- 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.

Printed circuit board

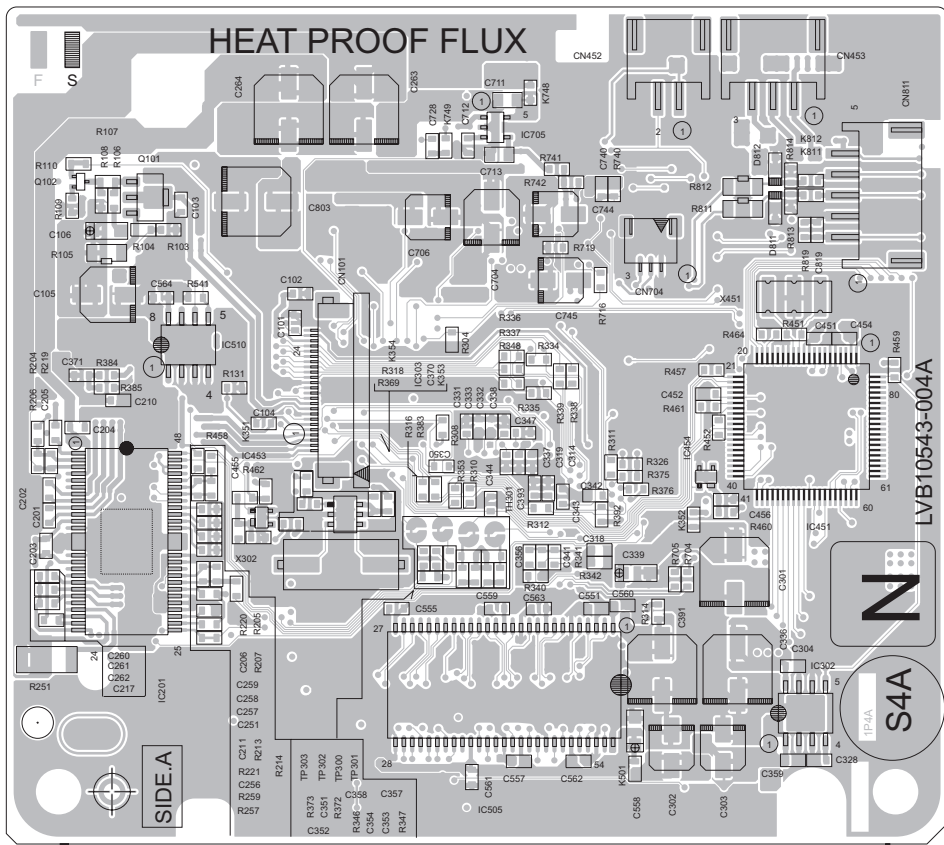
- Main board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)
- Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)



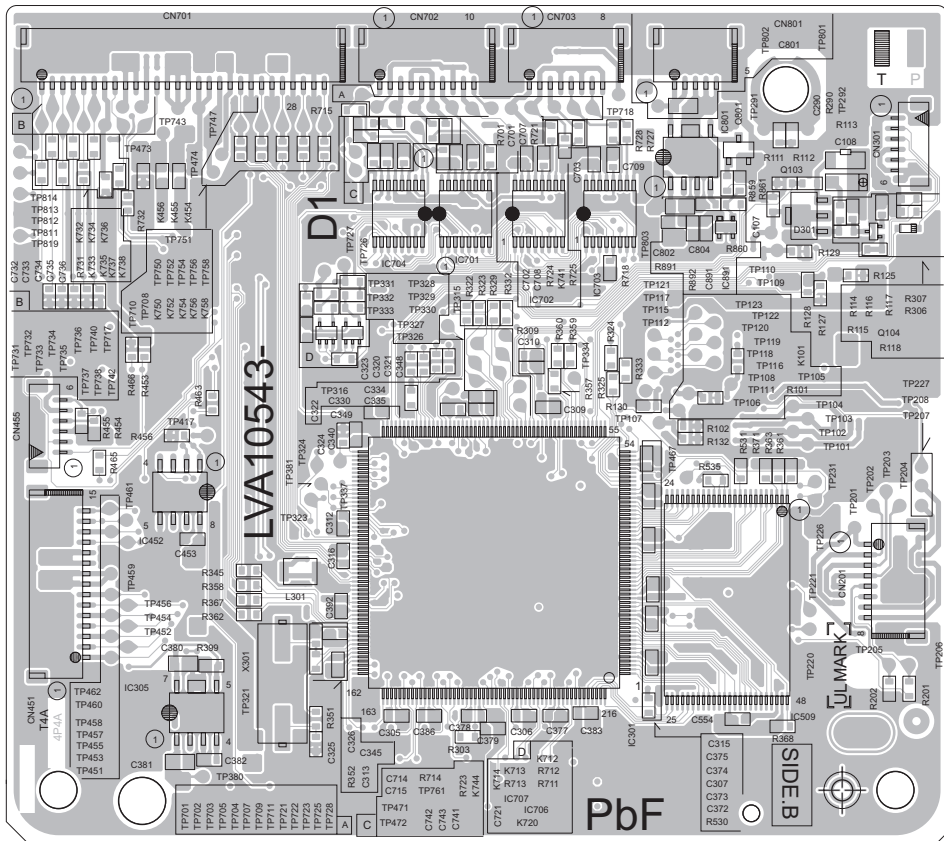
■ **Front end board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

forward side

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

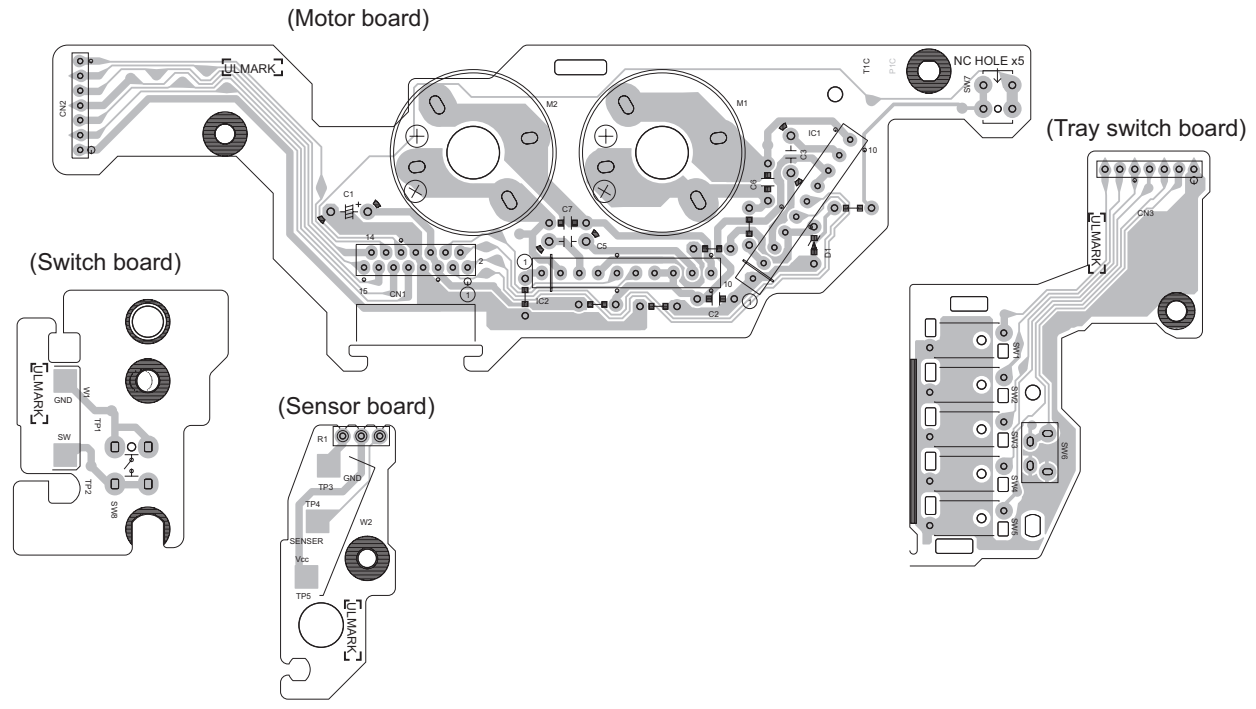


reverse side



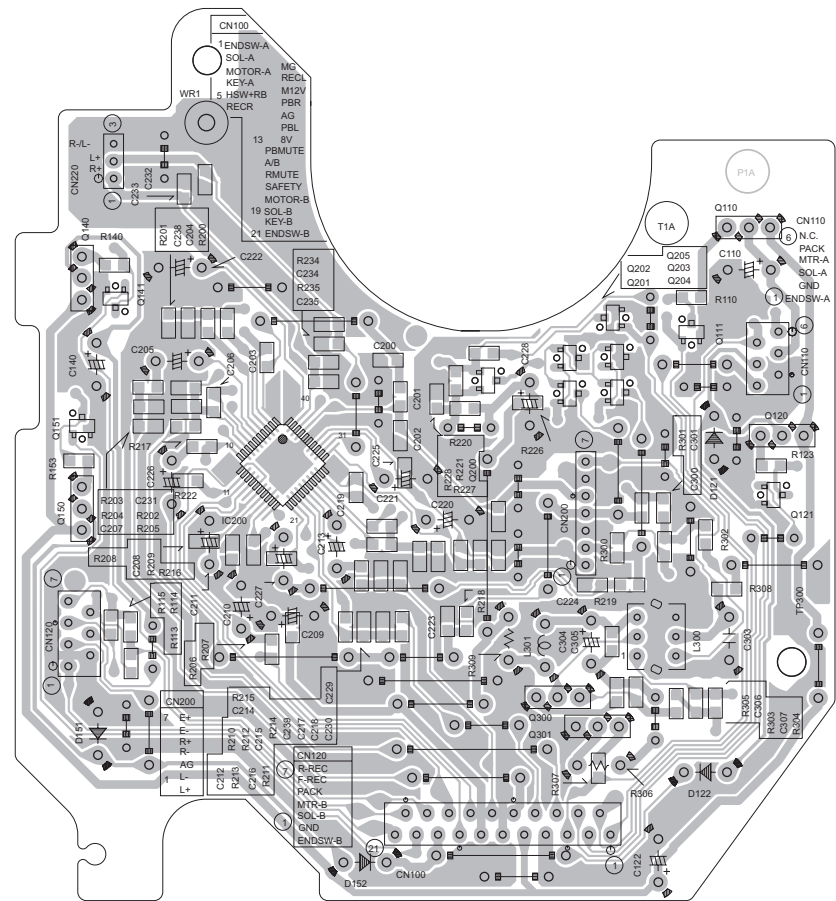
■ **Loader board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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 >



Victor Company of Japan, Limited

Audio/Video Systems Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

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