

JVC

SCHEMATIC DIAGRAMS

COMPACT COMPONENET SYSTEM

VS-DT2000

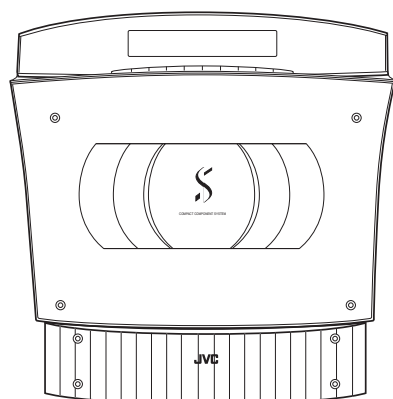
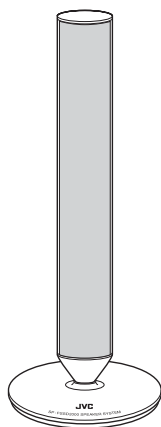
CD-ROM No.SML200205

Area suffix

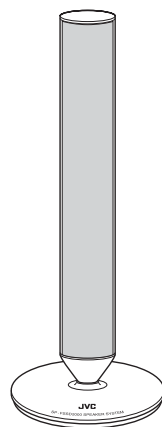
J ----- U.S.A.
C ----- Canada



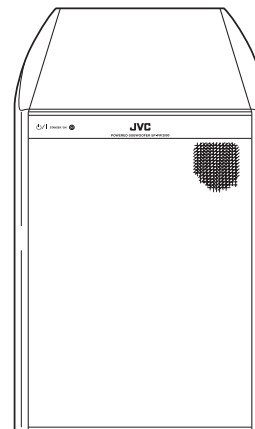
SP-VSDT2000



CA-VSDT2000R



SP-VSDT2000



SP-PW2000

COMPACT
disc
DIGITAL AUDIO

Contents

Block diagram	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-14~19

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.

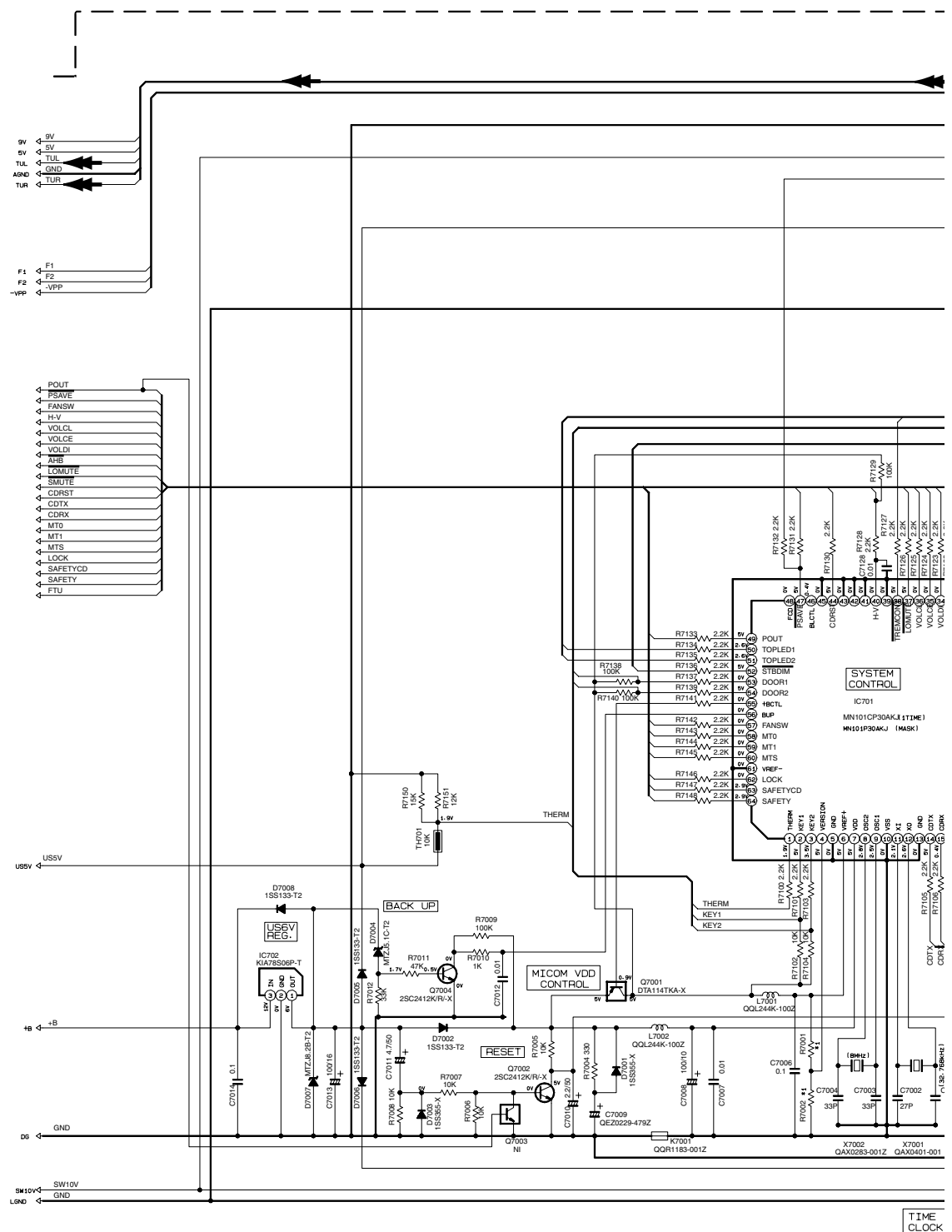
(This regulation does not correspond to J and C version.)



Speaker section

Standard schematic diagrams

System control section



NOTES

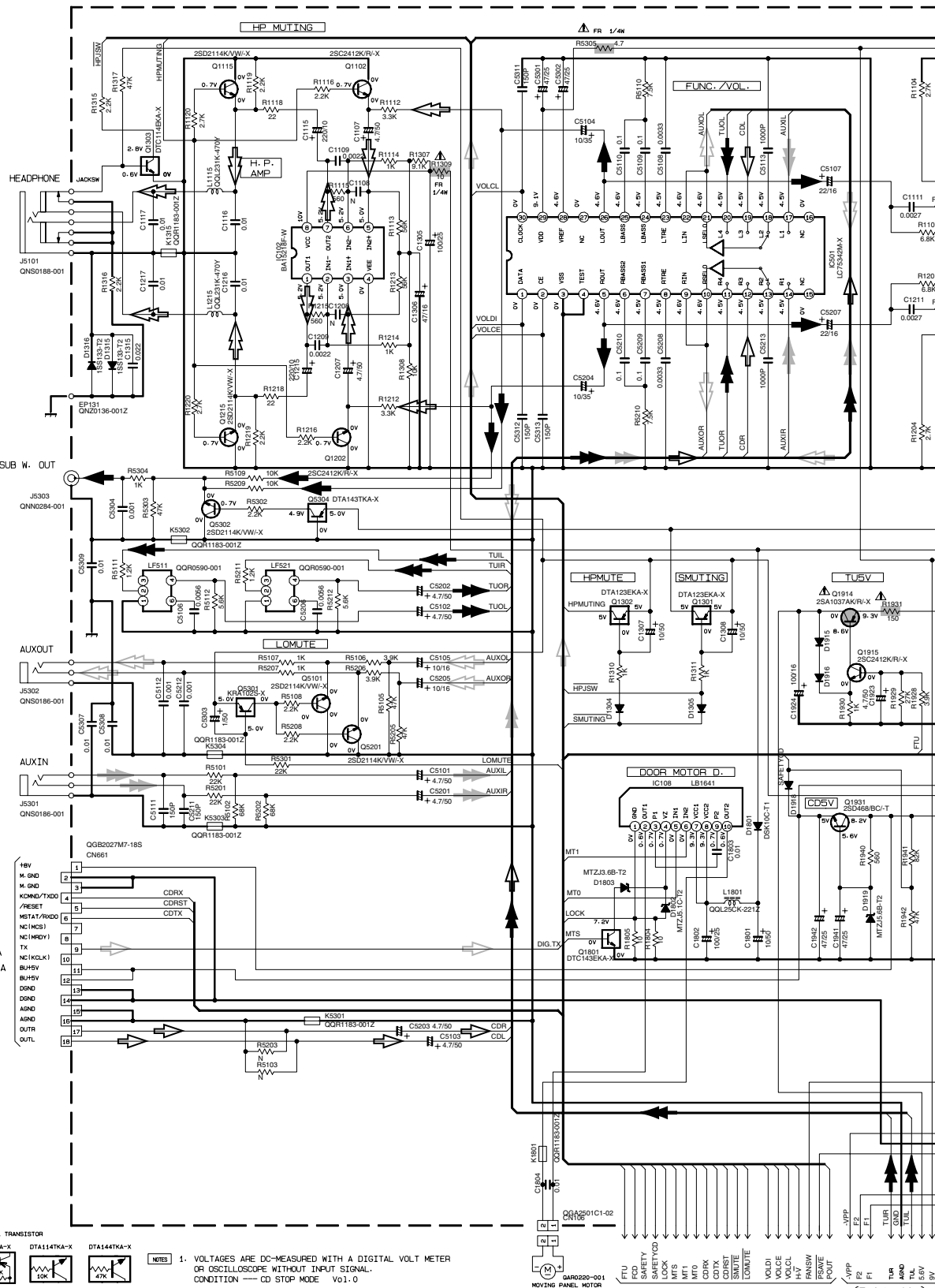
- 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
- MODEL VS-DT2000
- CONDITION CD STOP HORIZ-MODE
- VOL 16 BASS 0 TREBLE 0 AHB ON DIMMER OFF
- 2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/10W (OR 1/16W) ±5% MG RESISTOR.
- ALL RESISTANCE VALUES ARE IN OHM(Ω).
- ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
- ALL CAPACITANCE VALUES ARE IN P(F)P(F).
- ALL INDUCTANCE VALUES ARE IN H(M)H(M).
- ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (F) / RATED VOLTAGE (V).

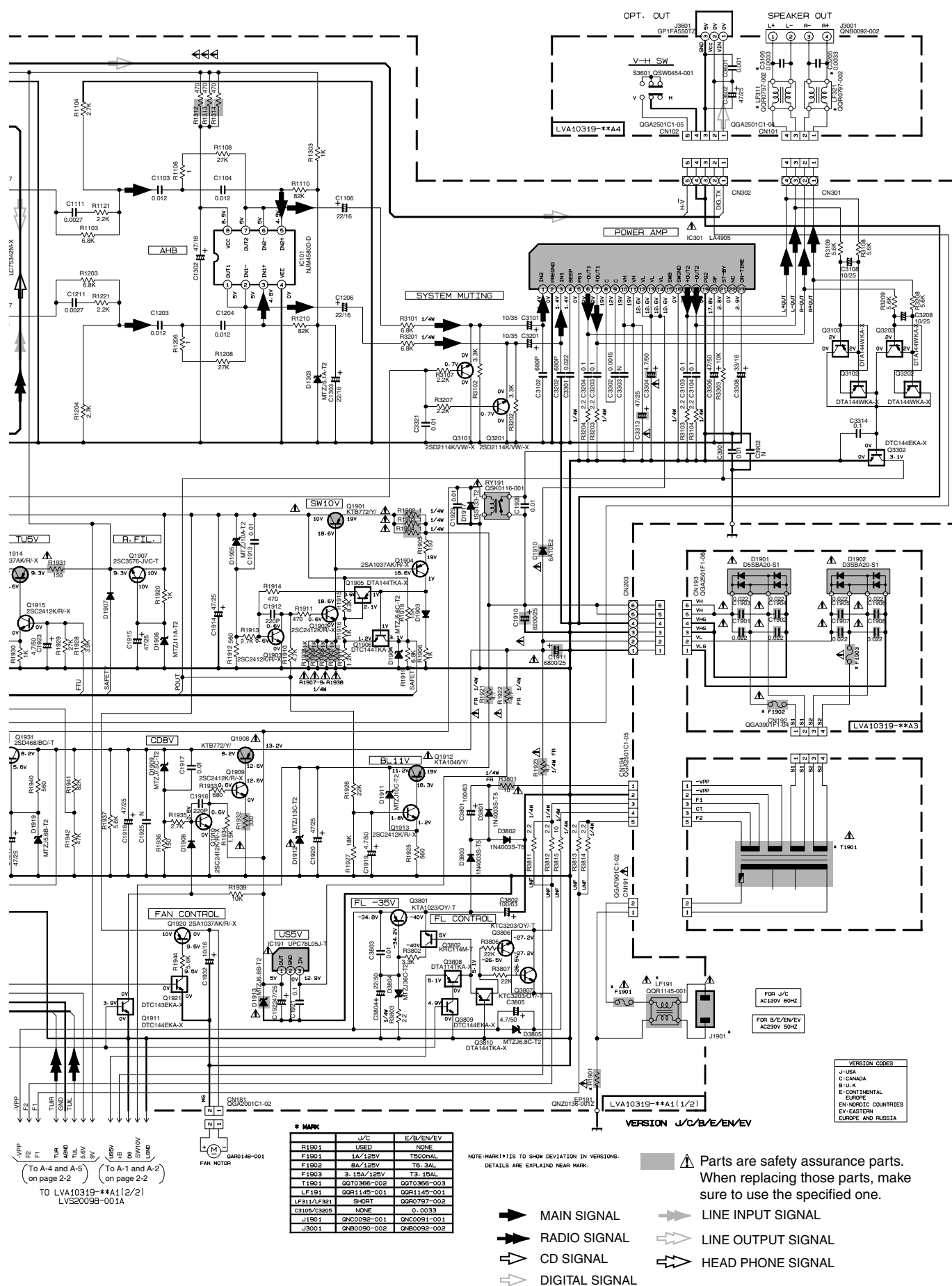
LVA10319- **A1 (2/2)

1	UX	UY/LW	other U	J/C	EE	A	B/E/EN/EV	Do
R7001	12K	27K	6.8K	47K	27K	27K	10K	none
R7002	27K	33K	27K	39K	12K	5.6K	none	10K
R7118	none	none	none	none	1K	none	1K	none
C7118	10Kohm	10Kohm	10Kohm	10Kohm	100P	10Kohm	100P	10Kohm
R7119	none	none	none	none	1K	none	1K	none
C7119	10Kohm	10Kohm	10Kohm	10Kohm	100P	10Kohm	100P	10Kohm

*2	VS-DT6 (R)	VS-DT1
R8063	none	27
D7012	R02.4ES/B1/-T2	n
D7013-D7014	R02.4ES/B1/-T2	n

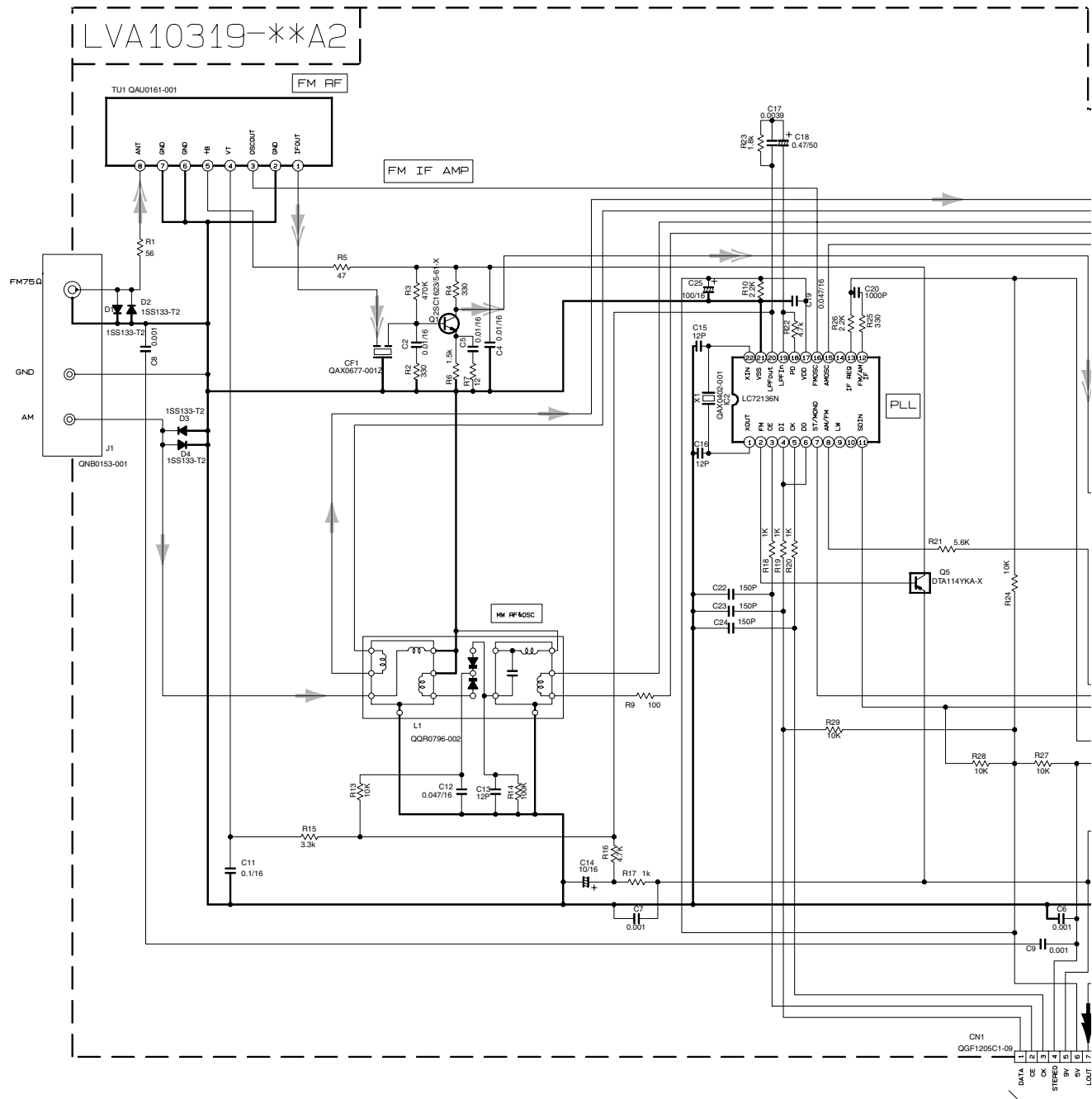
Power amplifier/Power supply section





Tuner section

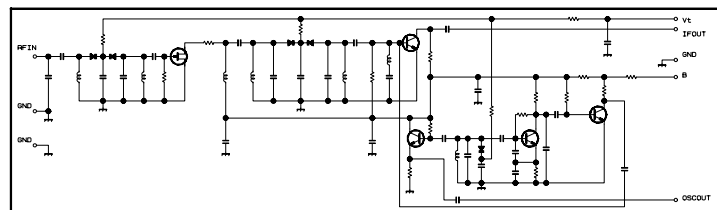
CONDITION	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
IC1	FM NO SIGNAL	3.6	8.9	3.6	3.6	0	5.0	5.0	8.9	8.9	1.3	0.1	0	0.9	7.8	7.8	4.3	4.3	4.3	4.3	3.4	3.4	2.8	3.4	0	0	3.5	3.5	3.6	3.6	2.7
	FM 60dB STEREO	3.6	8.9	3.6	3.6	0	0	5.0	8.9	8.9	1.3	4.3	0	0.9	7.8	7.8	4.3	4.3	4.3	4.3	3.4	3.4	2.8	3.4	0	0	3.6	3.6	3.6	3.6	2.7
	AM NO SIGNAL	3.5	9.0	3.5	3.5	0	5.0	5.1	9.0	2.6	1.3	0	0	0.9	4.7	5.5	4.3	4.3	4.3	4.3	3.3	3.2	2.8	ust	0.7	0.7	3.6	3.6	3.6	3.6	2.1
IC2	FM NO SIGNAL	2.5	0	0	5.0	4.9	5.0	7.9	7.8	3.6	6.1	5.1	0	0	0	0	2.5	5.1	0.9	0.9	3.8	0	2.3								



TO CN111 OF LVA10
MAIN
(To E-5 on page

27	28	29	30
3.6	3.6	3.6	2.7
3.6	3.6	3.6	2.7
3.6	3.6	3.6	2.1

Tr. NO.	Q1			Q5					
PIN NO.	E	C	B	E	C	B			
FM 87.5MHz NO SIGNAL	0	7.1	0.85	8.9	8.8	0			
AM 522KHz NO SIGNAL	0	0	0	9.0	0	8.9			
Tr. NO.	Q2			Q3			Q4		
PIN NO.	E	C	B	E	C	B	E	C	B
AM 522KHz NO SIGNAL	0	0	0.7	0	0	0.7	0	3.6	0.7
AM 144KHz NO SIGNAL	0	0	0.3	0	0.3	0.3	3.6	3.6	3.6



Front end diagram

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/16W $\pm 5\%$ METAL GLAZE RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM(Ω).
4. ALL CAPASITANCE VALUES ARE IN pF(pF).
5. SI DIODES ($\rightarrow$) ARE 1SS133-T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104J.



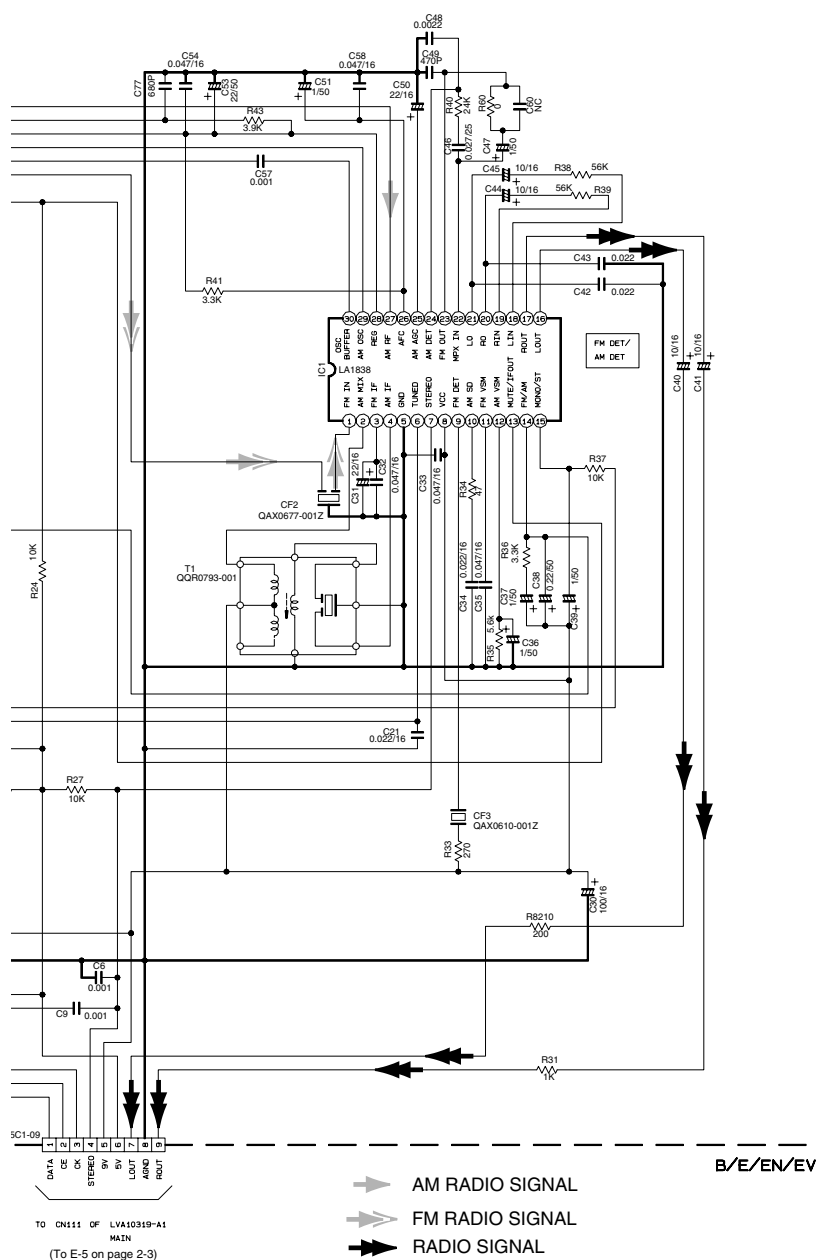
DTA114YKA



KRA102M



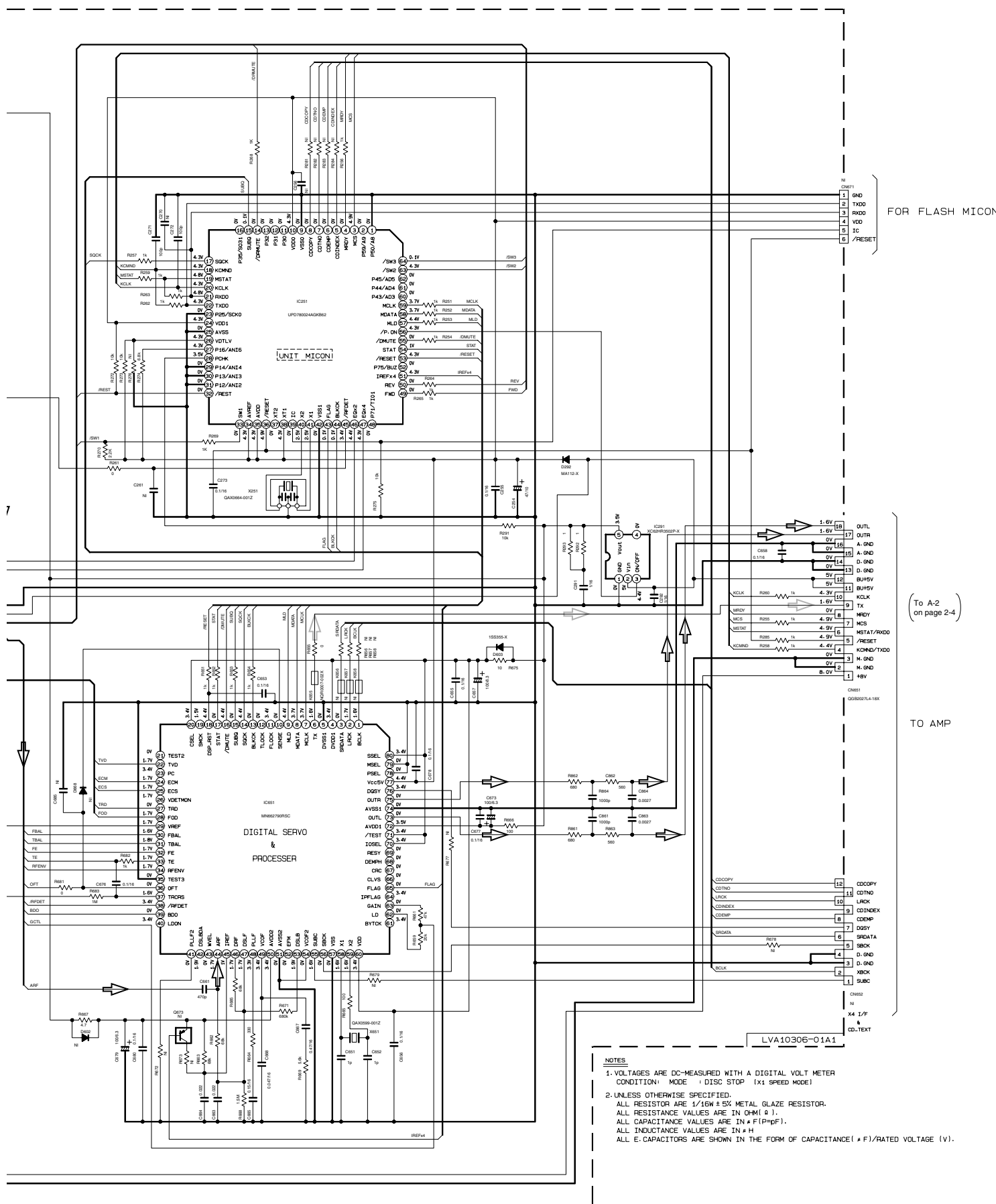
KRC102M



B/E/EN/EV

A





FL control section

5

4

3

2

1

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION — POWER ON, LINE-CD-STOP
HORI- MODE

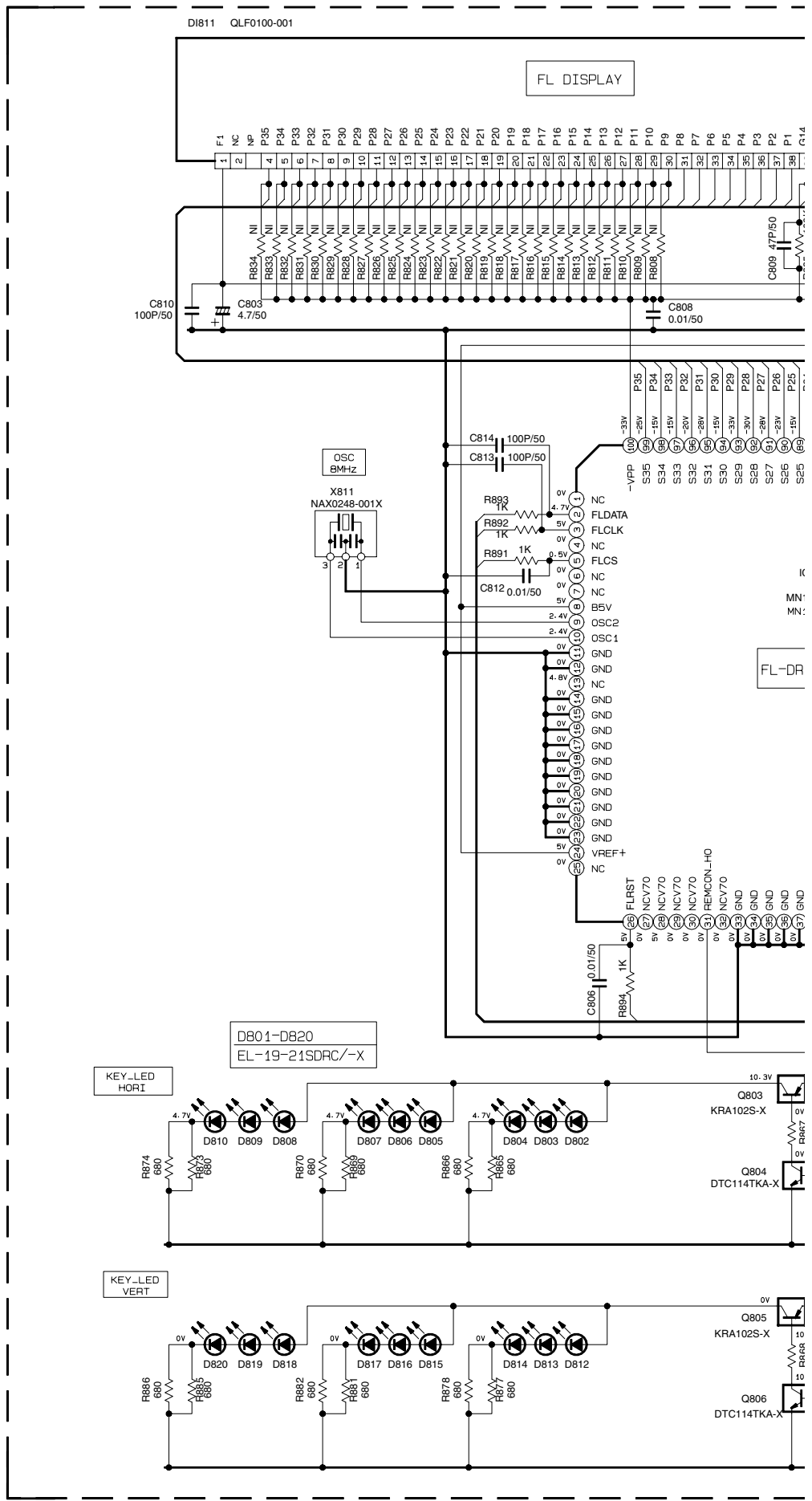
2. UNLESS OTHERWISE SPECIFIED.

ALL RESISTORS ARE 1/16W±5% METAL GLAZE RESISTOR. (OR 1/10W)

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).

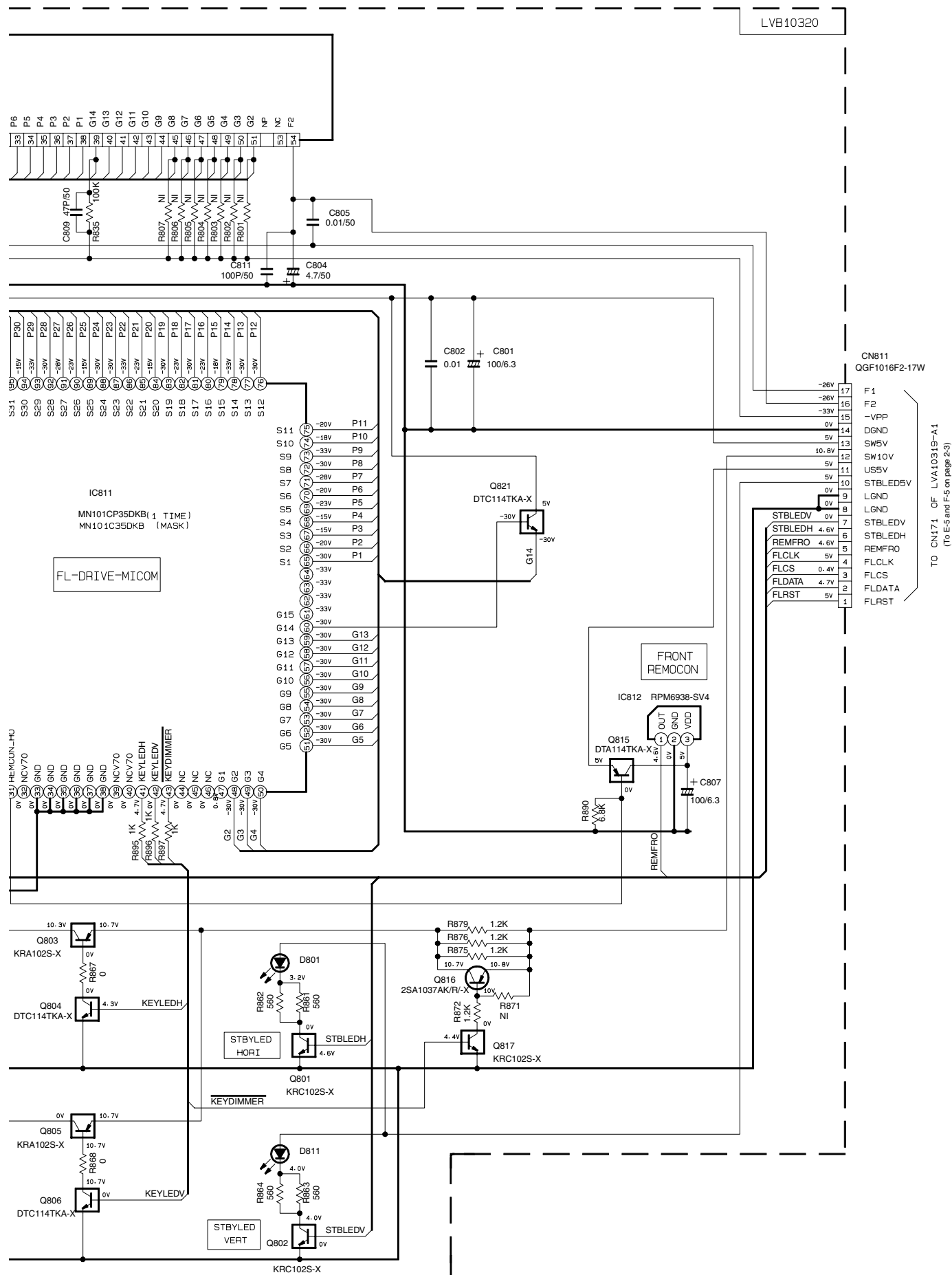


A

B

C

D



Subwoofer section

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.

2. UNLESS OTHERWISE SPECIFIED.

ALL RESISTORS ARE 1/4W $\pm 5\%$ CARBON RESISTOR.
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM (Ω).
ALL CAPACITANCE VALUES ARE IN μ F (μ F= μ F).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μ F) / RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μ H (μ H=mH).

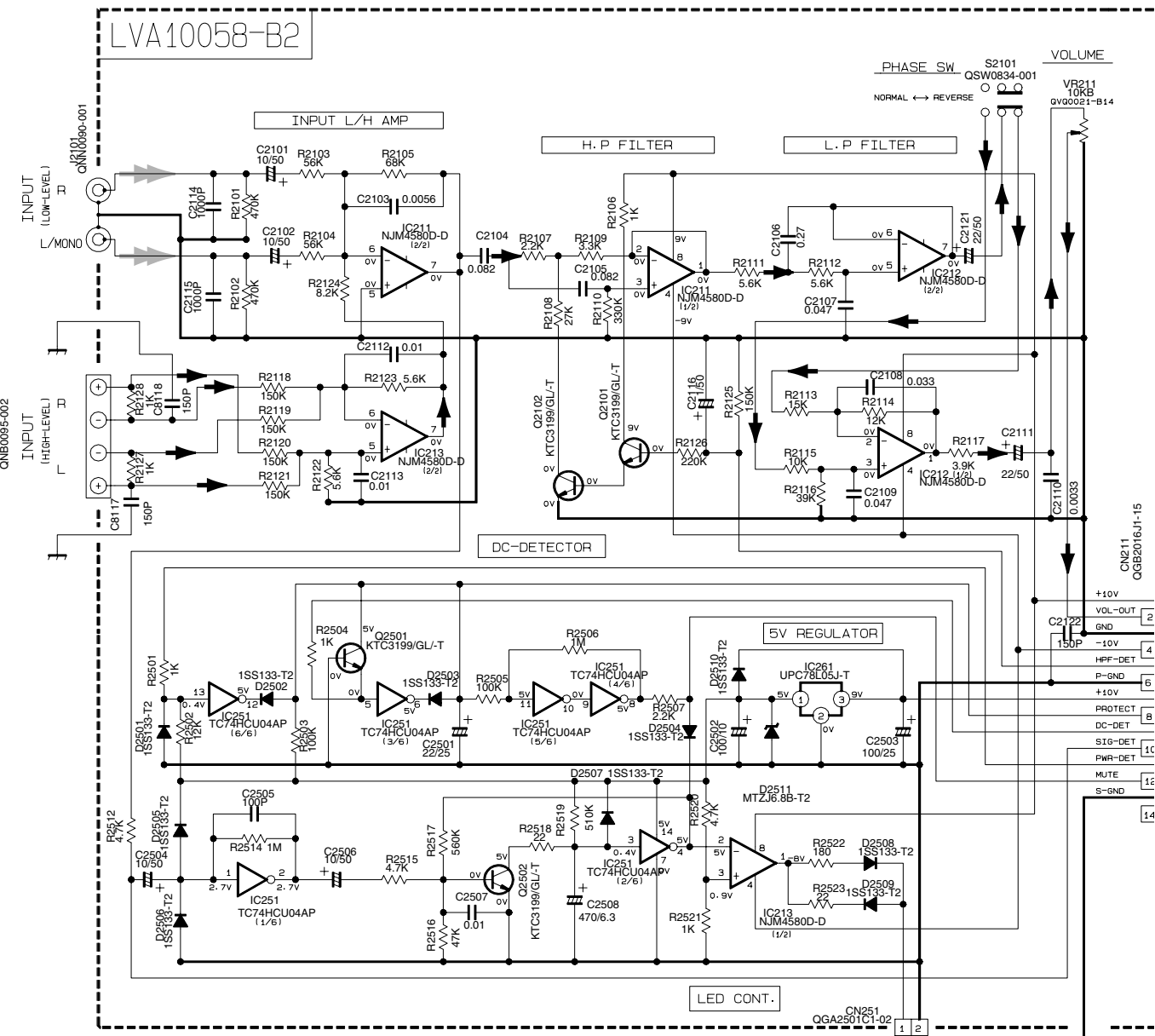
5

4

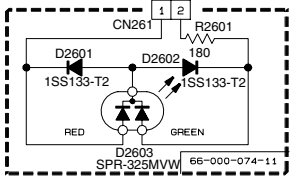
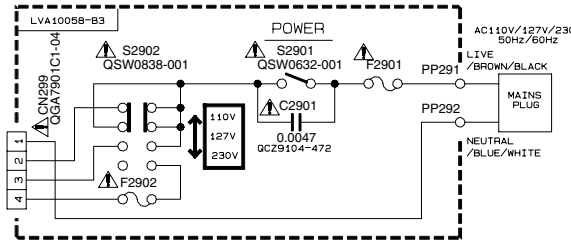
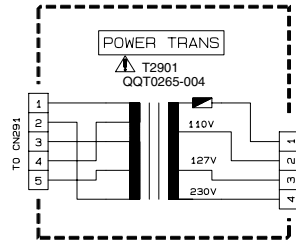
3

2

1



VERSION US/UJ/UY/UW/UT



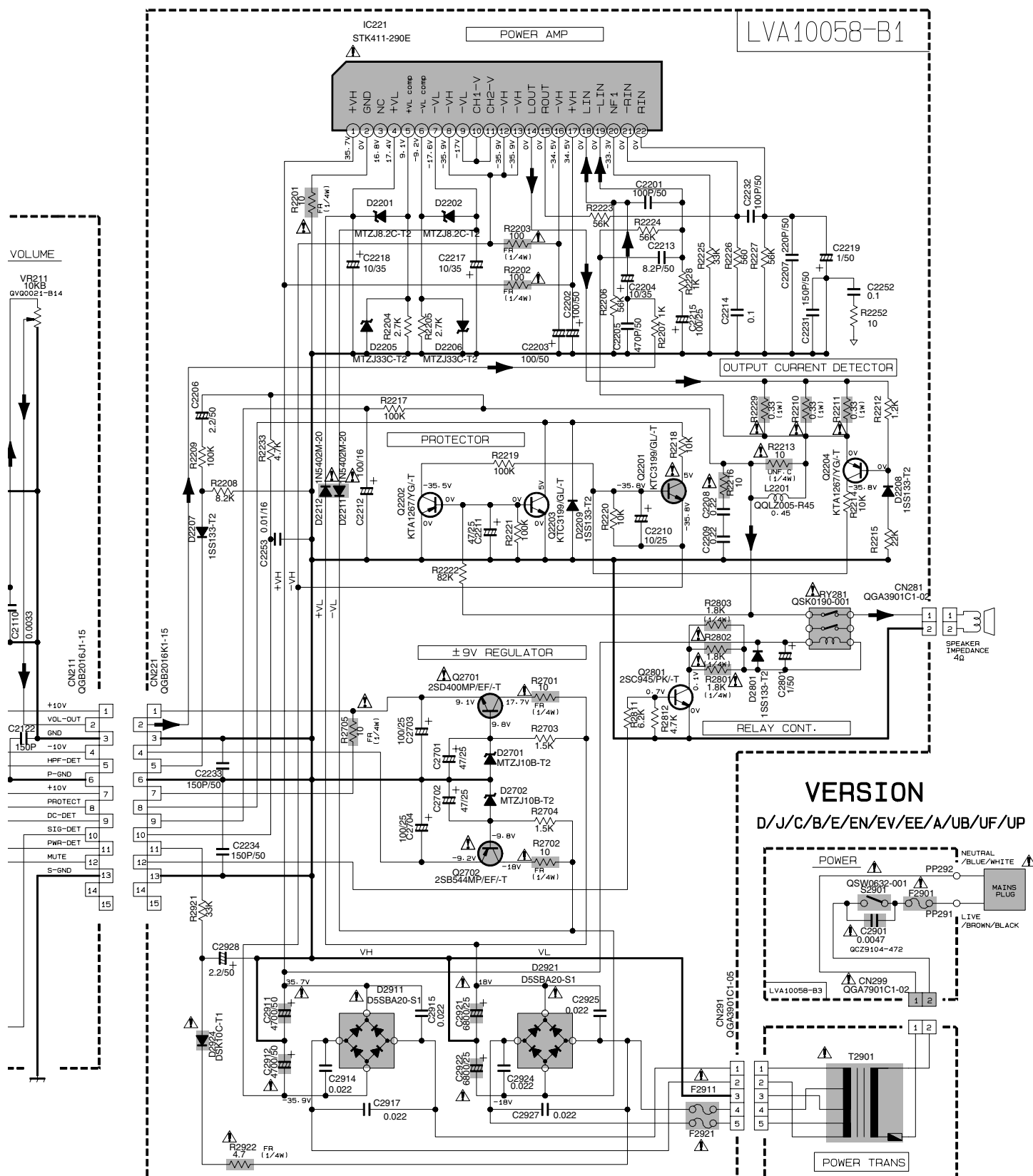
	D	U
T2901	QGT0265-001	QGT026
F2901	QMF51U1-2R5-J1	QMF51N2
F2902		
F2911	QMF51N2-2R0-J1	QMF51N2
F2921	QMF51N2-2R0-J1	QMF51N2

A

B

C

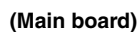
D



	J/C	B/E/EN/EE/UB	US/UY/UJ/UT/UW	UF/UP	A
	QGT0265-002	QGT0265-003	QGT0265-004	QGT0265-005	QGT0265-006
—J1	QMF51N2-1R0-J1	QMF51E2-1R0-J1	QMF51E2-1R6-J1	QMF51E2-1R0-J1	QMF51E2-1R0-J1
—			QMF51E2-1R0-J1		
—J1	QMF51N2-1R6-J1	QMF51E2-1R6-J1	QMF51E2-1R25-J1	QMF51E2-1R6-J1	QMF51E2-1R6-J1
—J1	QMF51N2-1R6-J1	QMF51E2-1R6-J1	QMF51E2-1R25-J1	QMF51E2-1R6-J1	QMF51E2-1R6-J1

<Main body section>

■ Main board

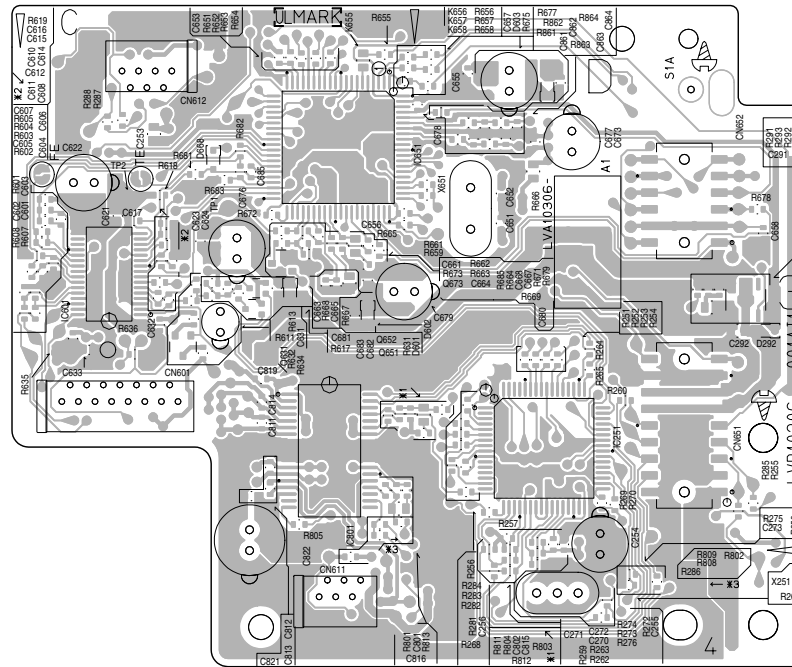




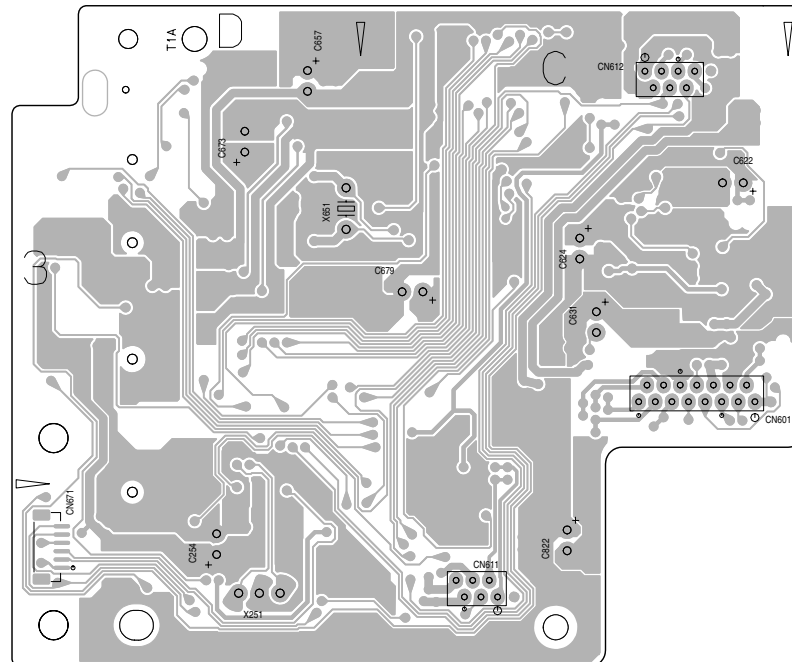


■ CD servo board

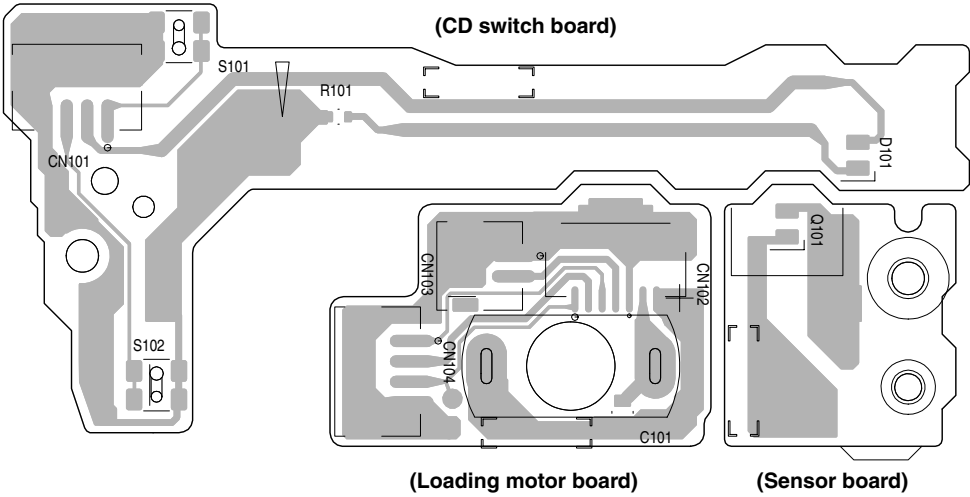
Forward side



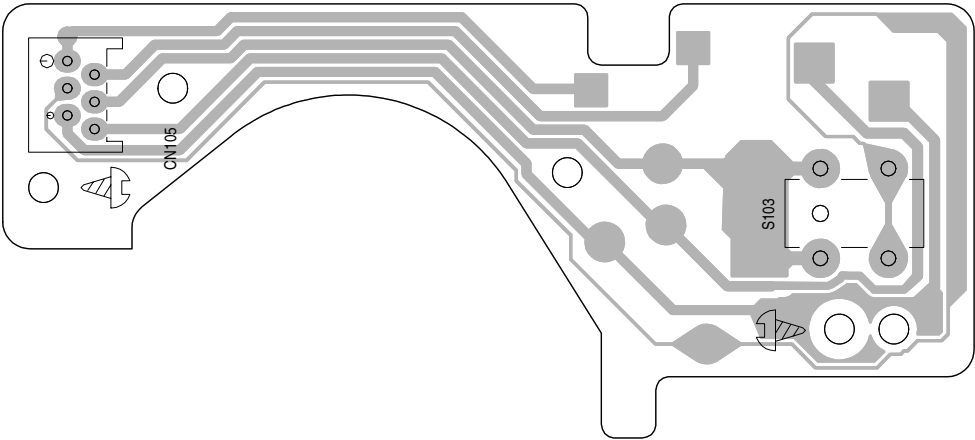
Reverse side



■ Switch board



■ Traverse mechanism board





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