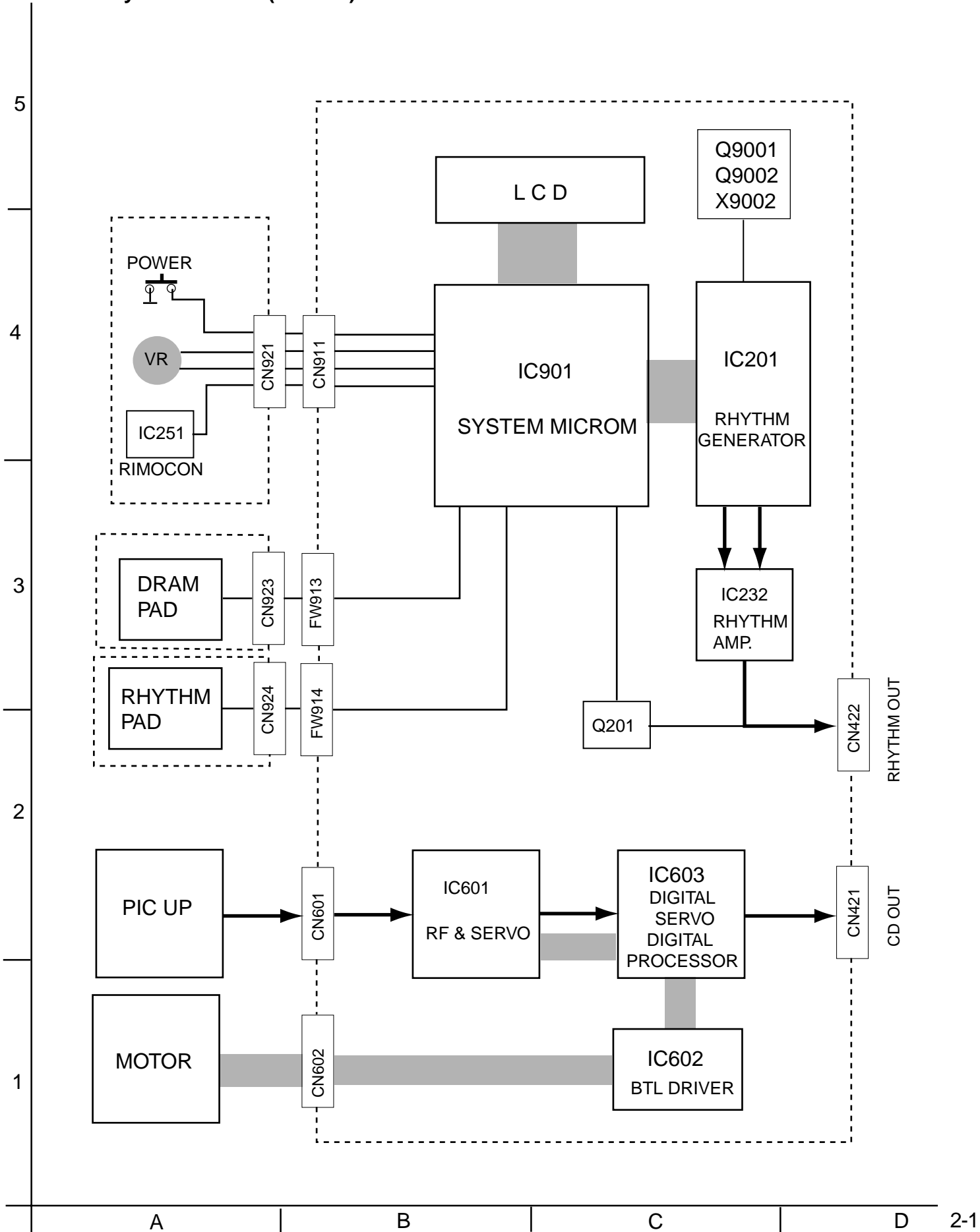
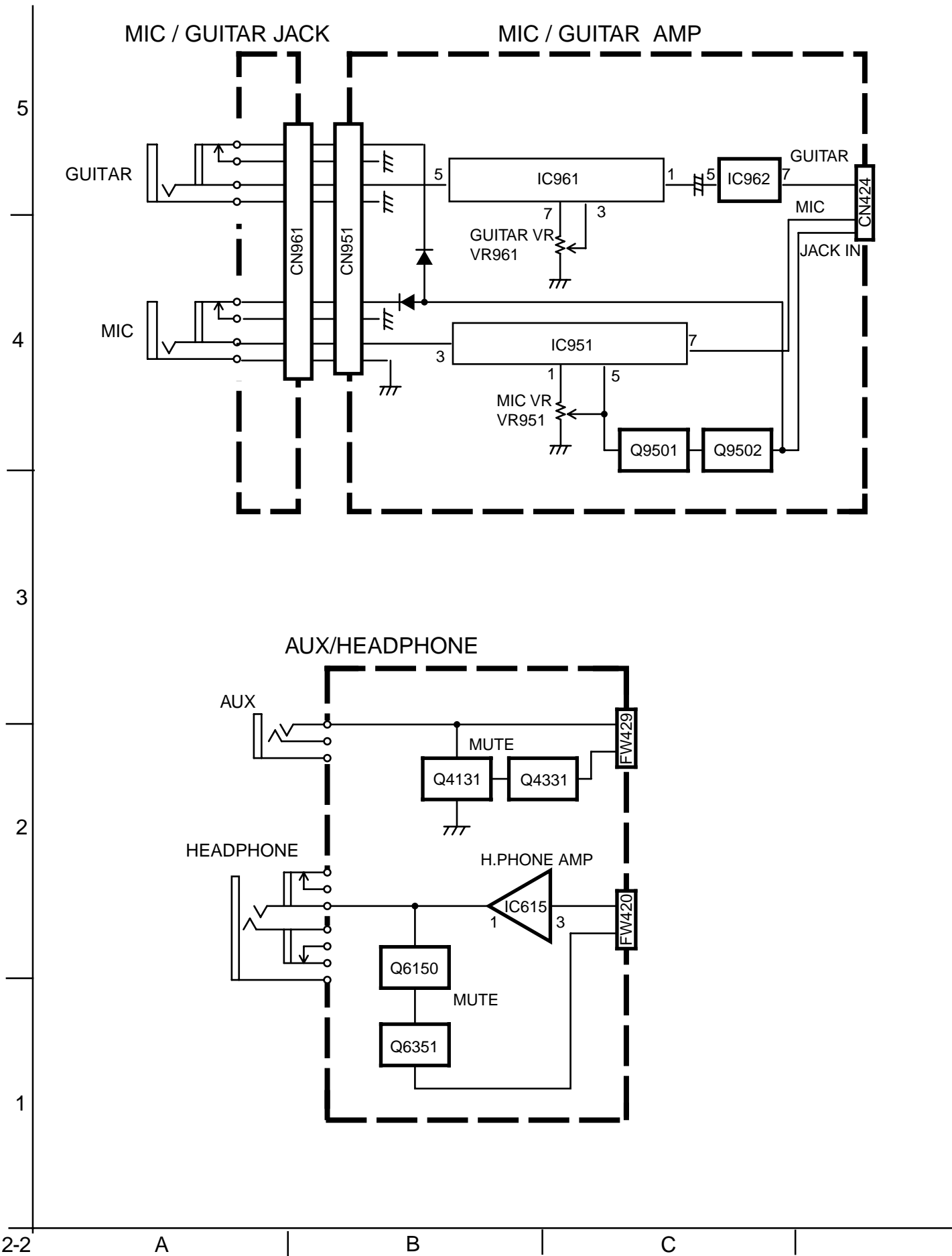


Block diagrams

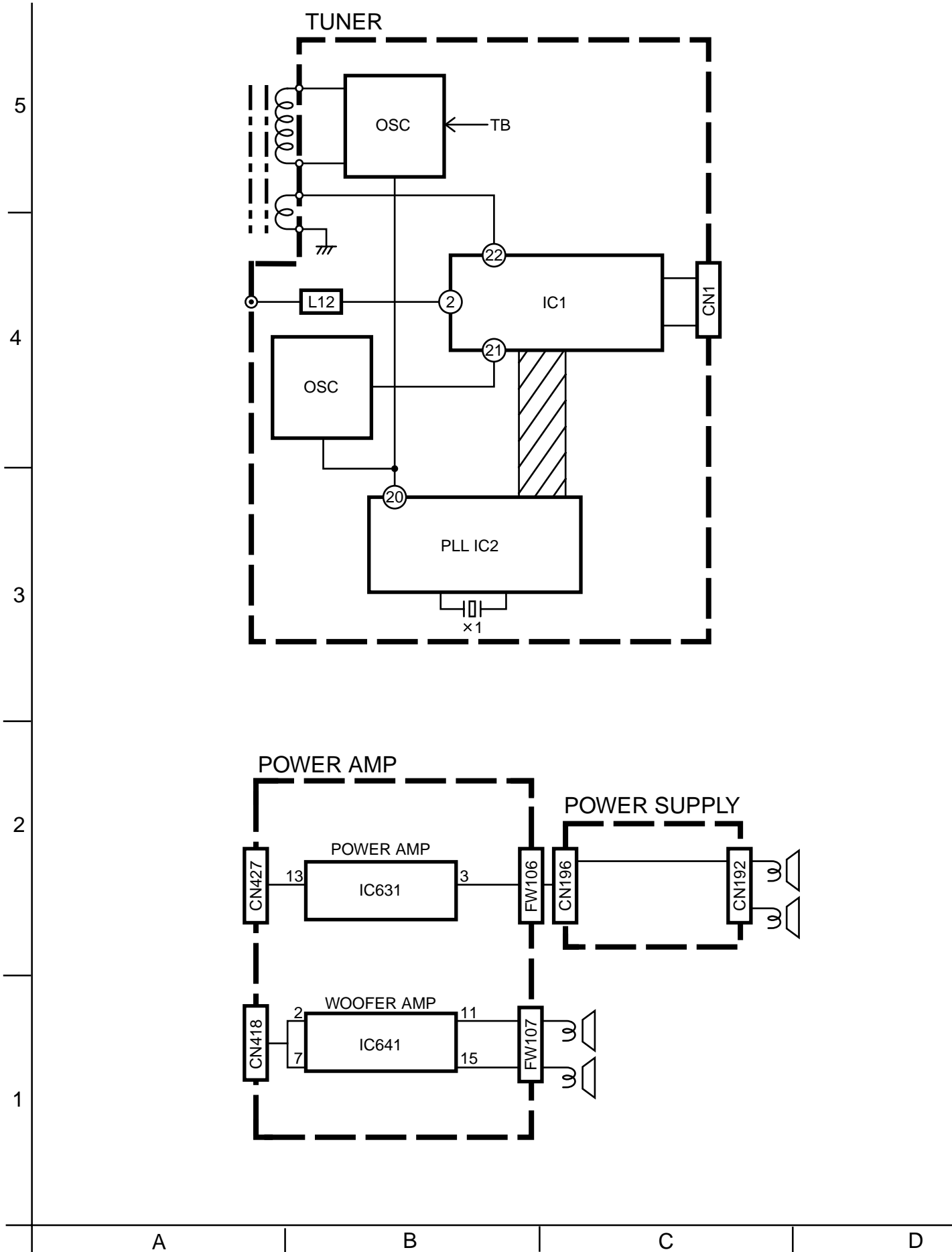
■ System control (Microm) section



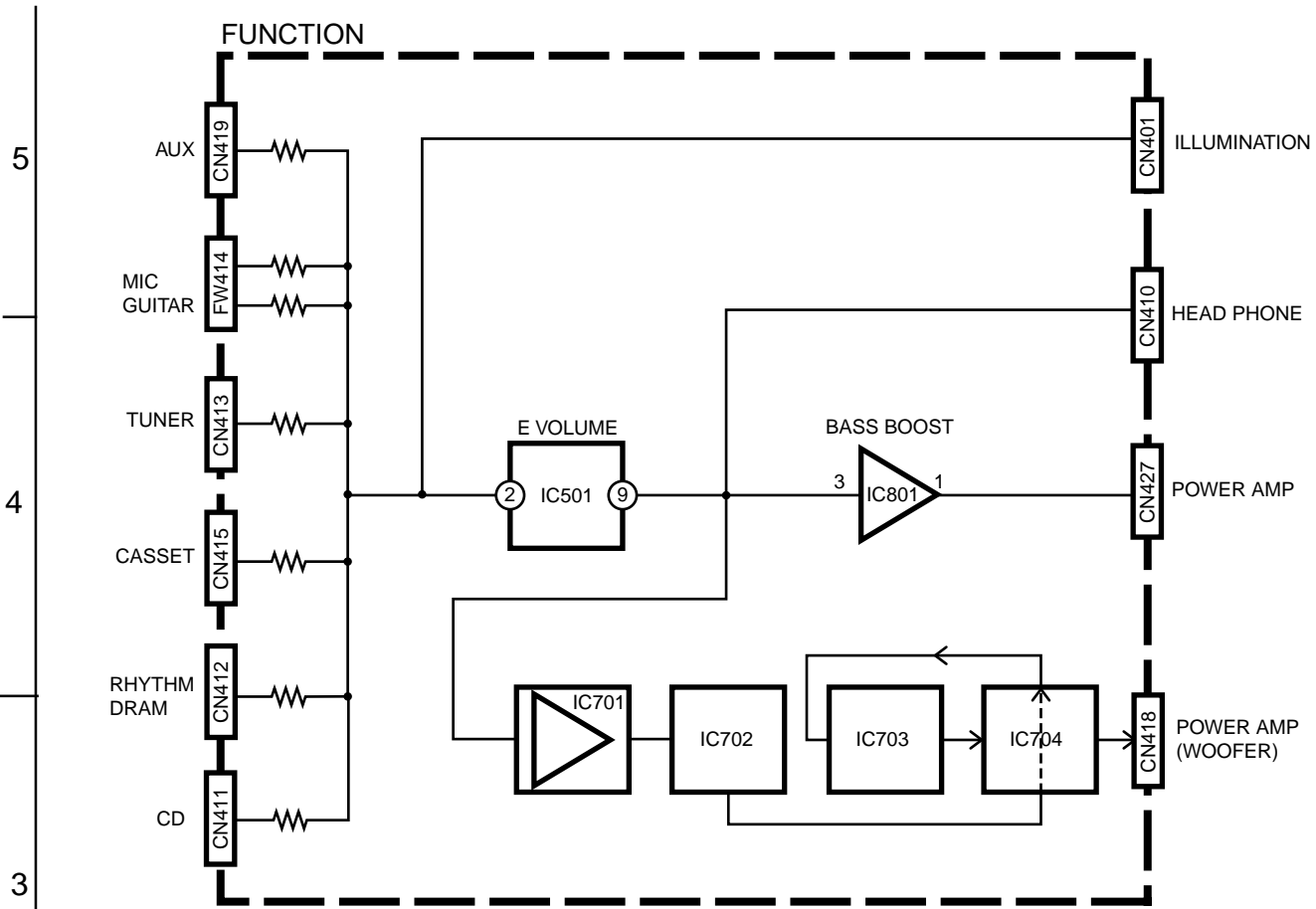
■ Mic/Guitar and AUX/Headphone section



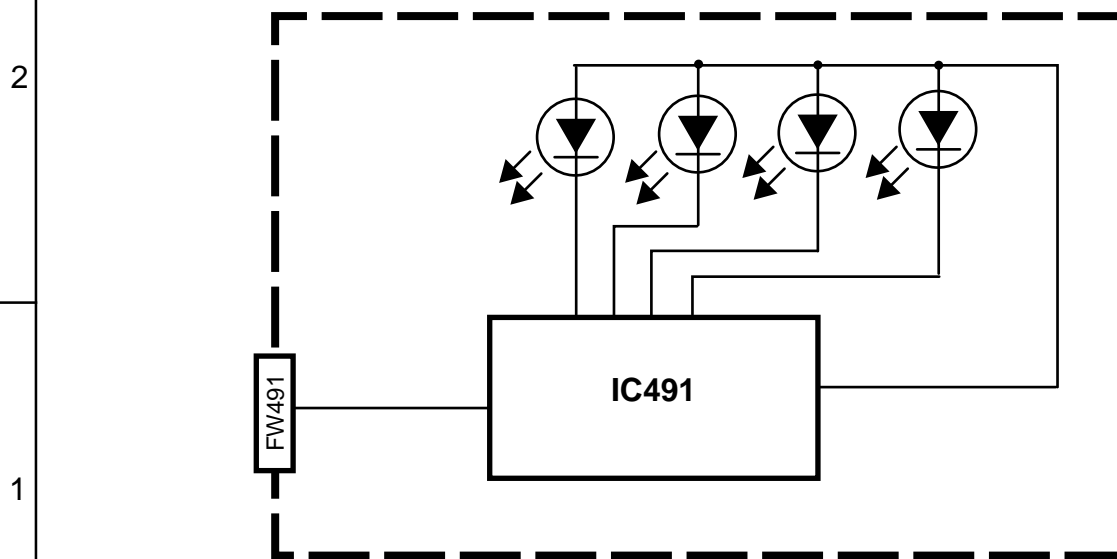
■ Tuner / Power section



■ Function section



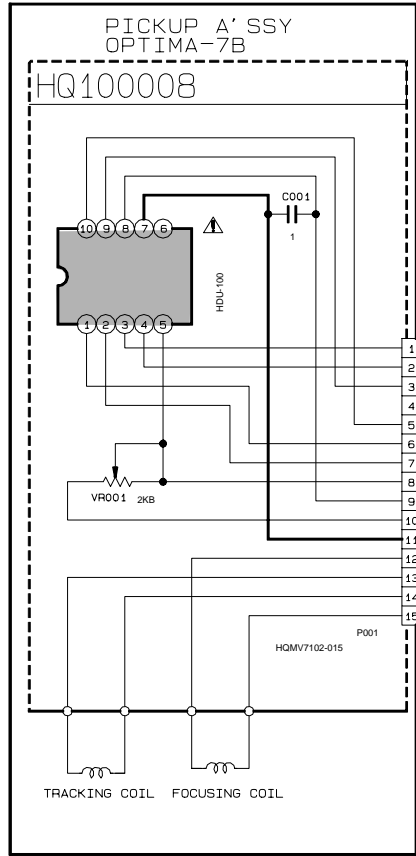
■ LED section



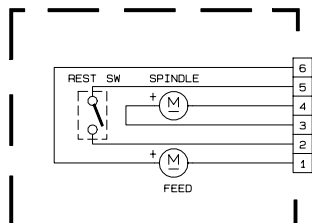
Standard schematic diagrams

■ CD servo control section

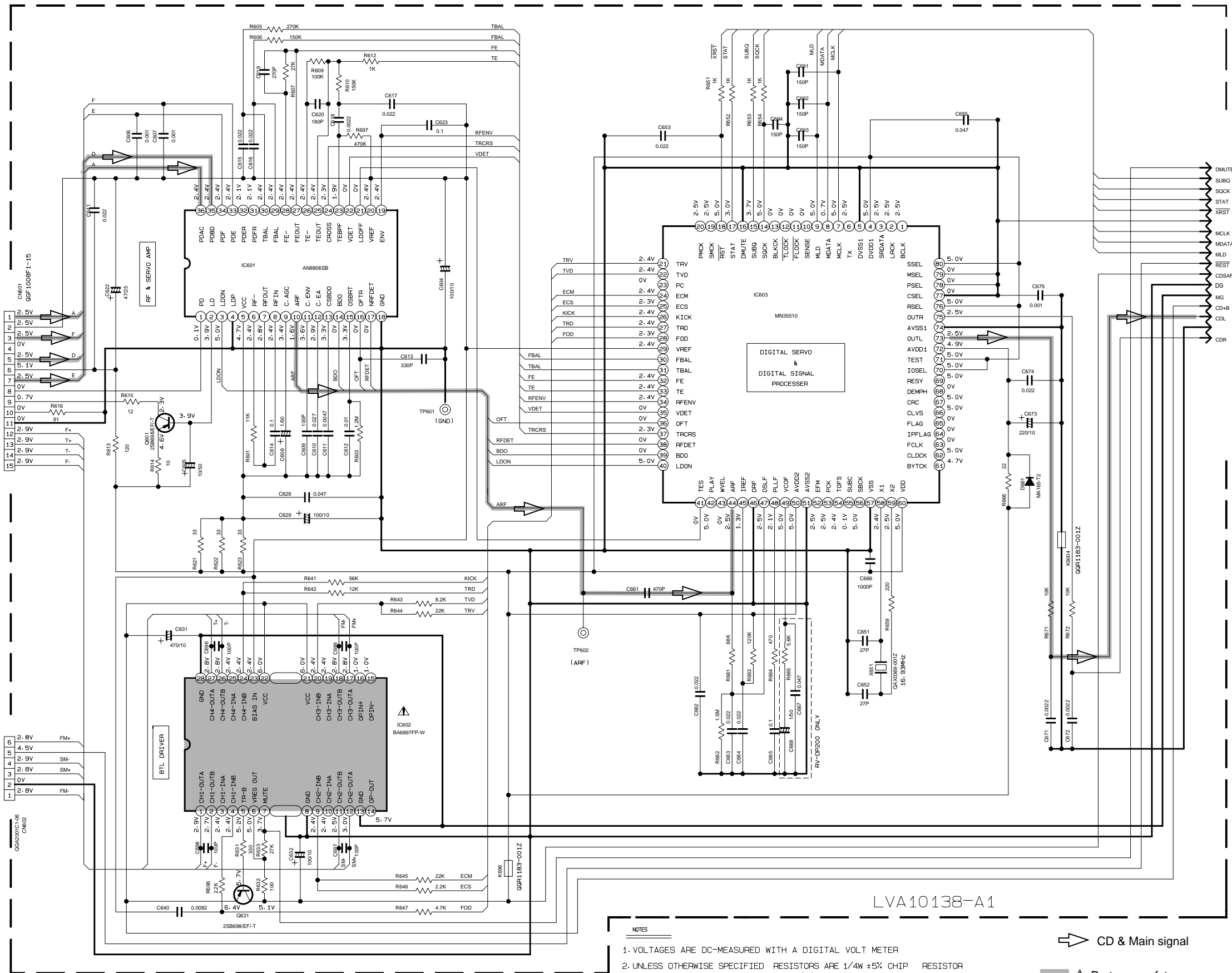
5
4
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EXL-M7MBYPM



TK473, CMKS-B1X, CMKE-77X, NMPF2



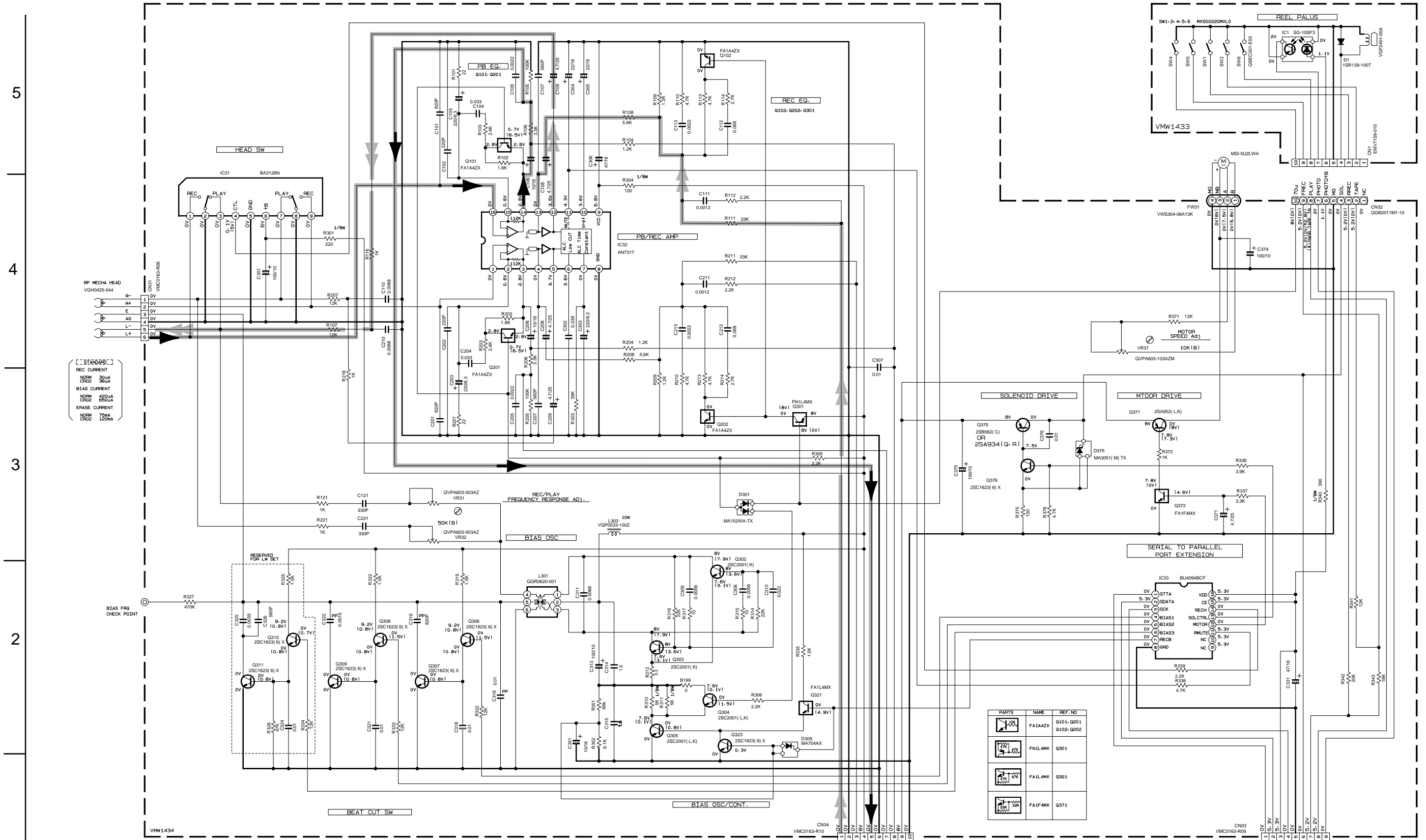
- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
 2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/4W ±5% CHIP RESISTOR ALL RESISTANCE VALUES ARE IN OHM(Ω).
 - ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
 - ALL CAPACITANCE VALUES ARE IN pF(pF).
 - ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

➡ CD & Main signal

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

To G-2 on page 2-8

■ Cassette amplifier section



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(S). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN #F(P#P#F). ALL INDUCTANCE VALUES ARE IN #H(M#MH). ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#F)/RATED VOLTAGE (V). POLYPROPYLENE CAPACITOR

Tape P.B. signal
 Recording signal

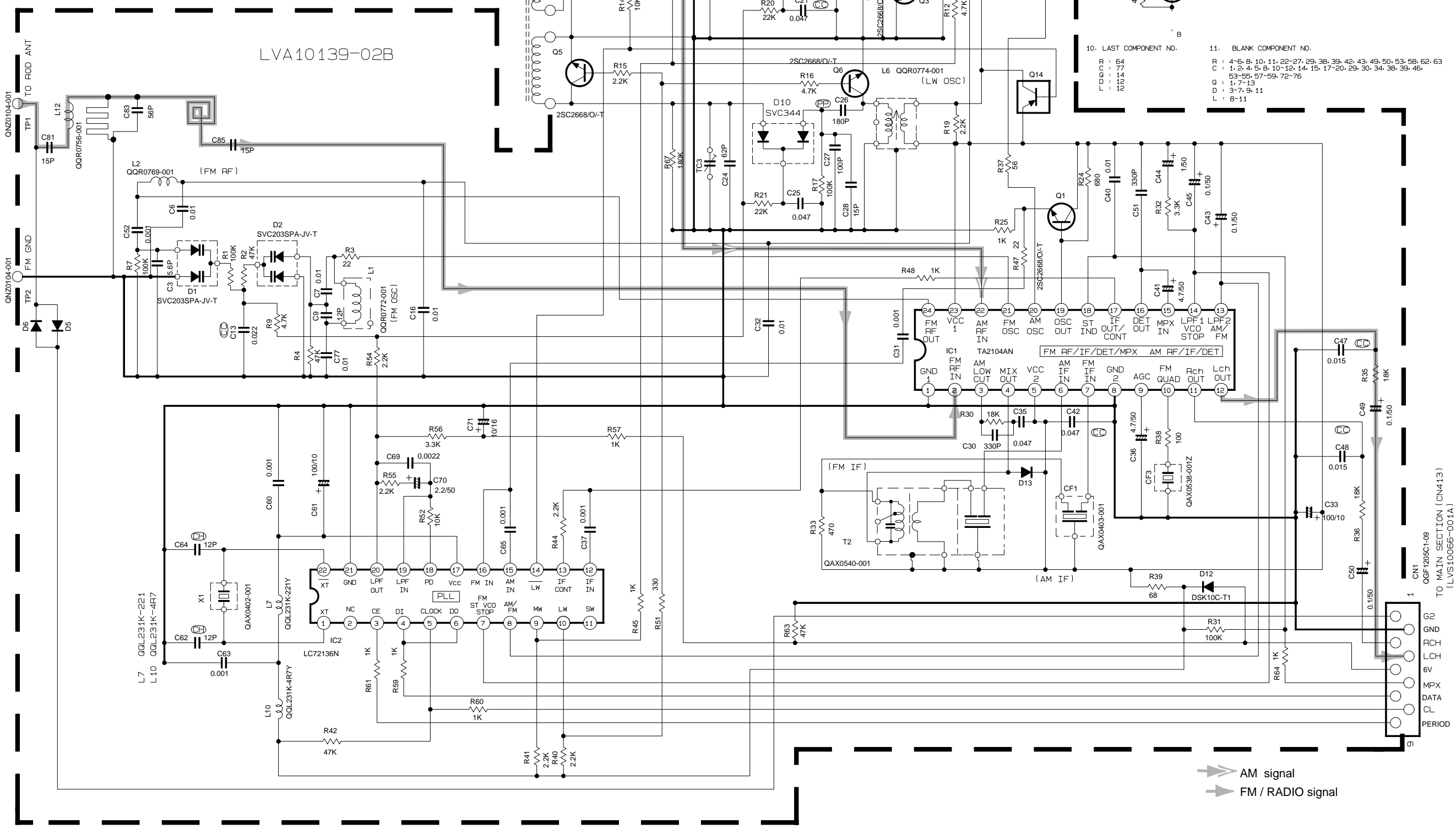
To E-1 on page 2-8

To A-2 on page 2-9

Tuner section

5
4
3
2
1

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
IC1	FM NO SIGNAL 88MHz	0	0.8	0	3.6	4	3.5	4	0	0.6	3.2	1.2	1.2	3.4	3.3	0.7	1.4	1.2	0	3.9	4	4.1	4	4
	FM 88MHz 600B STEREO	0	0.8	0.2	3.6	4.1	3.9	4.1	0	0	3.3	1.2	1.2	3.3	3.4	0.7	1.1	1.4	0.7	4	4.1	4.1	4.1	4.1
	AM 531KHz NO SIGNAL	0	0	1	4.2	4.3	3.6	4.3	0	0.1	3.7	1.2	1.2	0	0	0.7	1.1	0.9	0.7	4.1	4.2	4.3	4.3	4.3
PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
IC2	FM NO SIGNAL	2.5	0	0	5.1	5.1	5.1	3.5	3.2	3.9	2.5	4.1	0	1.4	1.7	0	2.4	0	0.9	0.9	1.5	0	2	
TR NO	Q1	Q2	Q3	Q4	Q5	Q6	Q14																	
PIN NO	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
	AM 1440KHz NO SIGNAL	3.3	4.2	4.1	0	0	0.1	0	0	0.1	4.1	4.1	3.6	0	0	0	0	0	0.7	4.1	4.1	0	0	
	AM 144KHz NO SIGNAL	3.4	4.3	4.2	0	0	0.8	0	0	0.7	4.3	4.3	4.3	0	0	0.1	0	0	0.1	4.3	4.3	4.3	0	



- NOTES**
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
 - ALL RESISTORS ARE 1/6W 5% CARBON RESISTOR.
 - ALL RESISTANCE VALUES ARE IN OHM(S).
 - ALL CAPACITANCE VALUES ARE IN #F(PpF).
 - ALL E. CAPS ARE SHOWN IN THE FORM OF CAPACITANCE (#F)/RATED VOLTAGE (V).
 - ALL INDUCTANCE VALUES ARE IN #H(m=MH)
 - S1. DIODES (▶) ARE ALL MA165 THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS 1SS254 OR HSS104TU OR 1SS133.
 - PARTS NO. OF TRANSISTORS ARE AS FOLLOWS:
Q1, 2, 3, 5, 6 2SC2668/O/ OR 2SC1923/O/
Q4 2SA1175/HFE/ 2SA1175/HFE/
Q14 DTA114YS or BN1A4P
 - INSIDE OF DIGITAL TRANSISTOR IS SHOWN AS FOLLOWS.
DTA114YA-T
BN1A4P
E O C
47K
 - LAST COMPONENT NO.
R: 64
C: 77
D: 10
 - BLANK COMPONENT NO.
R: 4-6, 8, 10, 11, 22-27, 29, 38, 39, 42, 43, 49, 50, 53, 58, 62, 63
C: 1, 2, 4, 5, 8, 10-12, 14, 15, 17-20, 29, 30, 34, 38, 39, 46, 53-55, 57-59, 72-76
D: 1-7, 13
Q: 3-7, 9, 11
L: 8-11

To A-3 on page 2-9

RV-DP200BK

System control section

5
4
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2
1

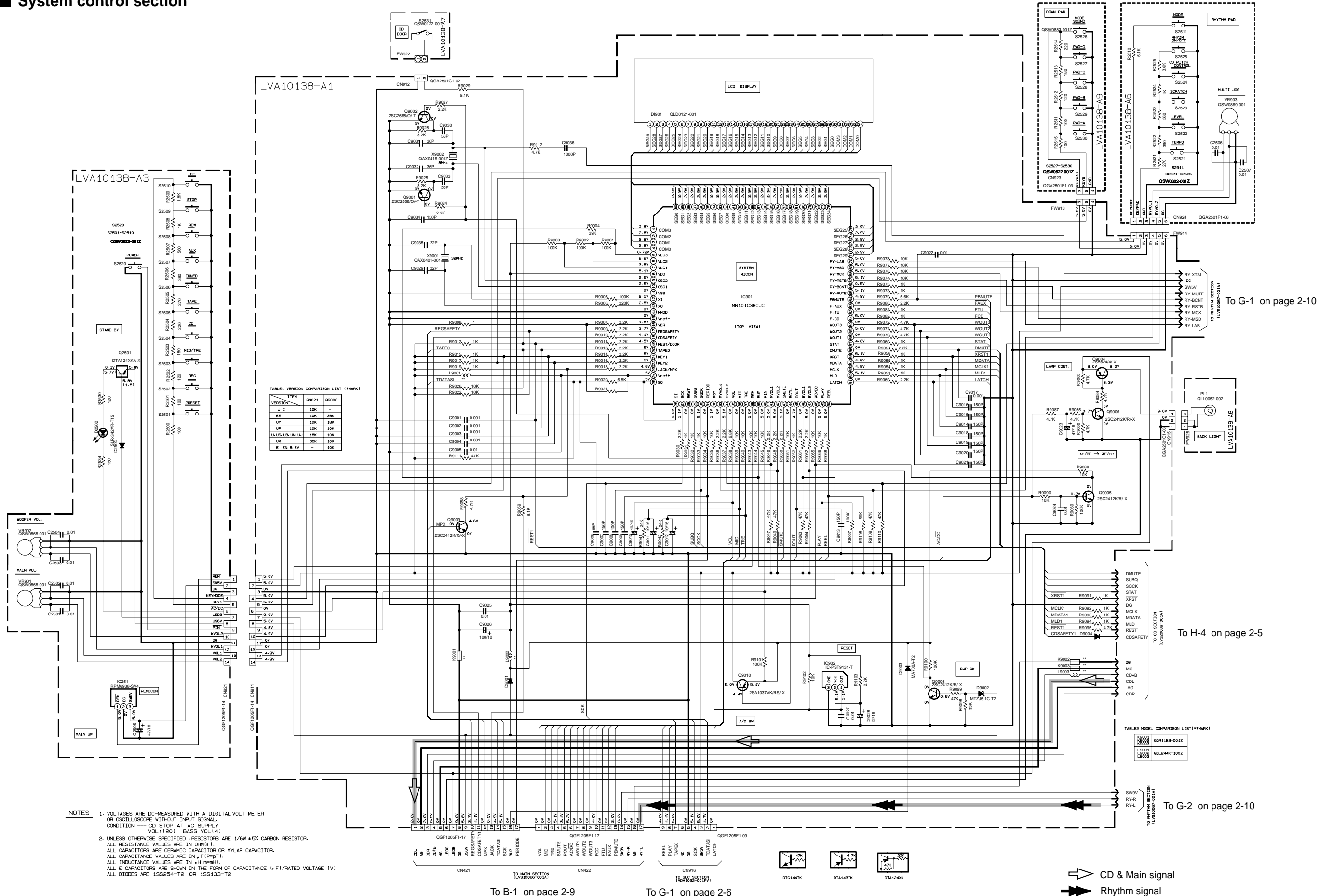


TABLE1 VERSION COMPARISON LIST (MARK)

ITEM	R9021	R9028
J-C	10K	-
EE	10K	36K
LV	10K	18K
LP	10K	10K
LA-UB-LU-LU-LU	18K	10K
LX	36K	10K
E-En-B-EV	-	10K

TABLE2 MODEL COMPARISON LIST (MARK)

Q9006	Q9006
Q9005	Q9005
Q9004	Q9004
Q9003	Q9003
Q9002	Q9002
Q9001	Q9001
Q9000	Q9000

- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- CD STOP AT AC SUPPLY VOL-(00) BASS VOL-(4)
 - UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/8W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN P(F)(PF). ALL INDUCTANCE VALUES ARE IN H(MH). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (F)/RATED VOLTAGE (V). ALL DIODES ARE 1SS254-T2 OR 1SS133-T2

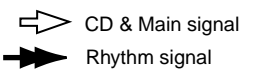
To G-1 on page 2-10

To H-4 on page 2-5

To G-2 on page 2-10

To B-1 on page 2-9

To G-1 on page 2-6



A | B | C | 2-8 | D | E | F | G | H

Power amplifier section

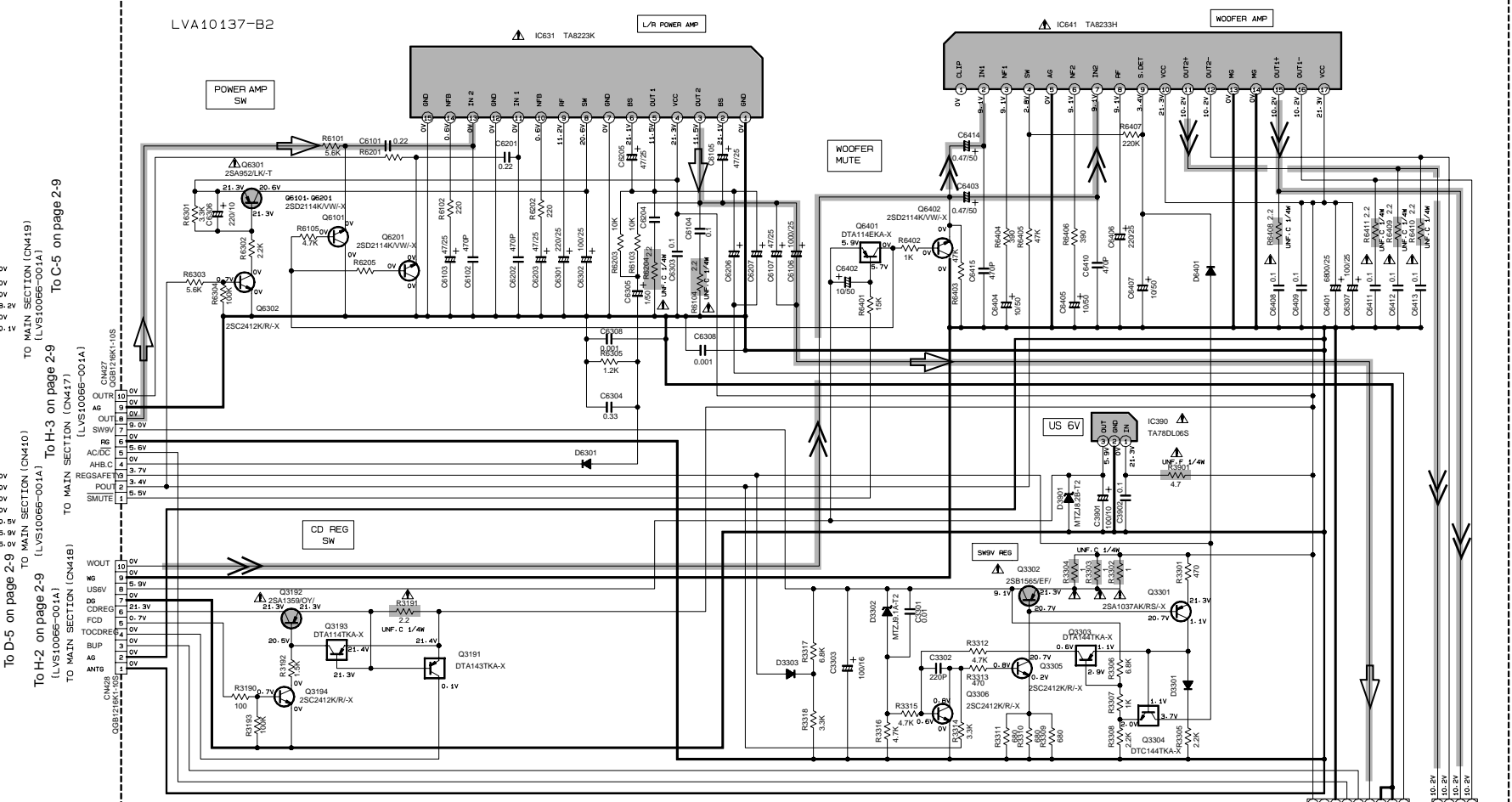
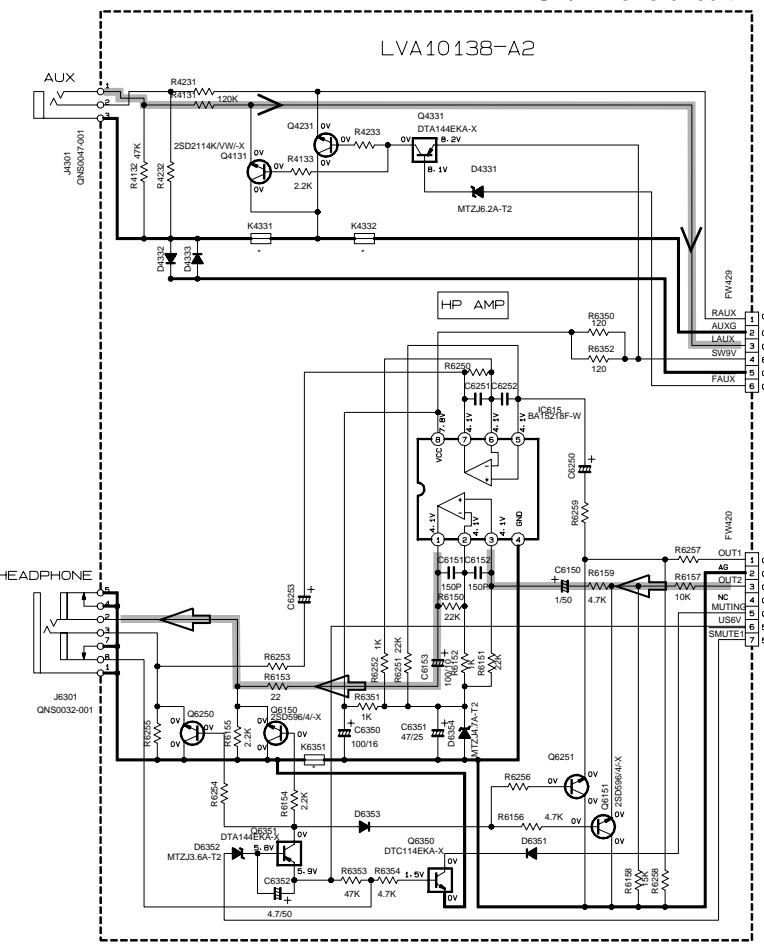
AUX/H.Pone circuit

Power amplifier circuit

5

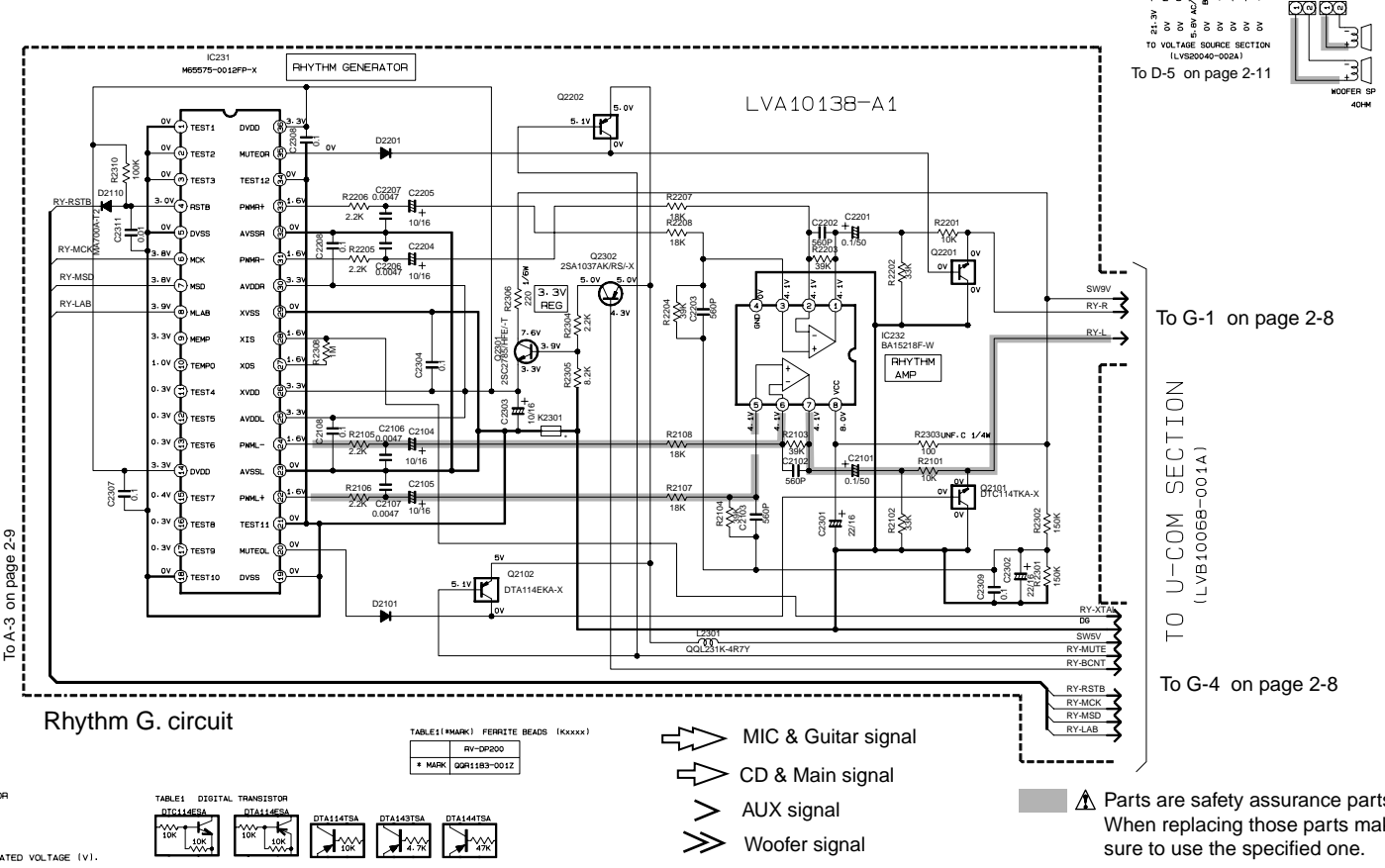
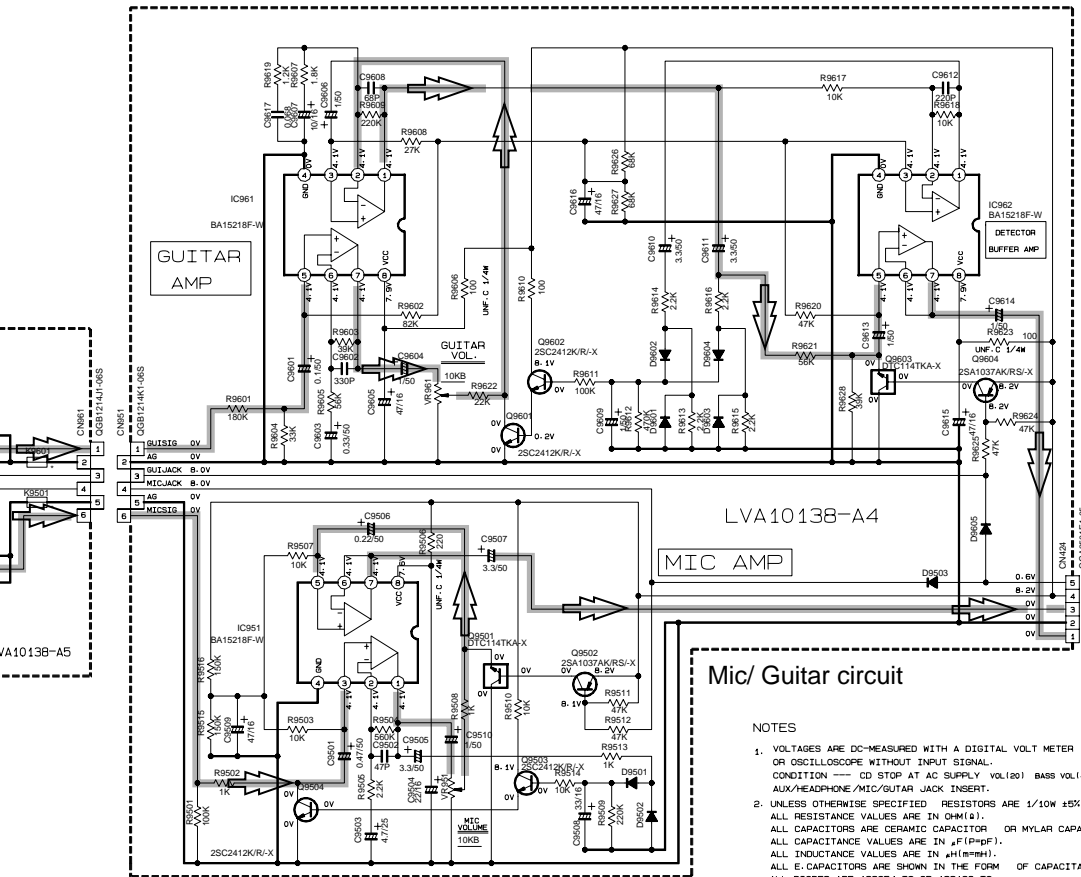
4

3



2

1



NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP AT AC SUPPLY VOL(20) BASS VOL(4)
AUX/HEADPHONE/MIC/GUITAR JACK INSERT.
- UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/10W ±5% MG 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 E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
ALL DIODES ARE 1SS254-T2 OR 1SS133-T2

TABLE1 DIGITAL TRANSISTOR

DTA1145BA	DTA1145CA	DTA1145DA	DTA1145EA	DTA1145FA
DTA1145GA	DTA1145HA	DTA1145IA	DTA1145JA	DTA1145KA

TABLE1 (MARK) FERRITE BEADS (Kxxxx)

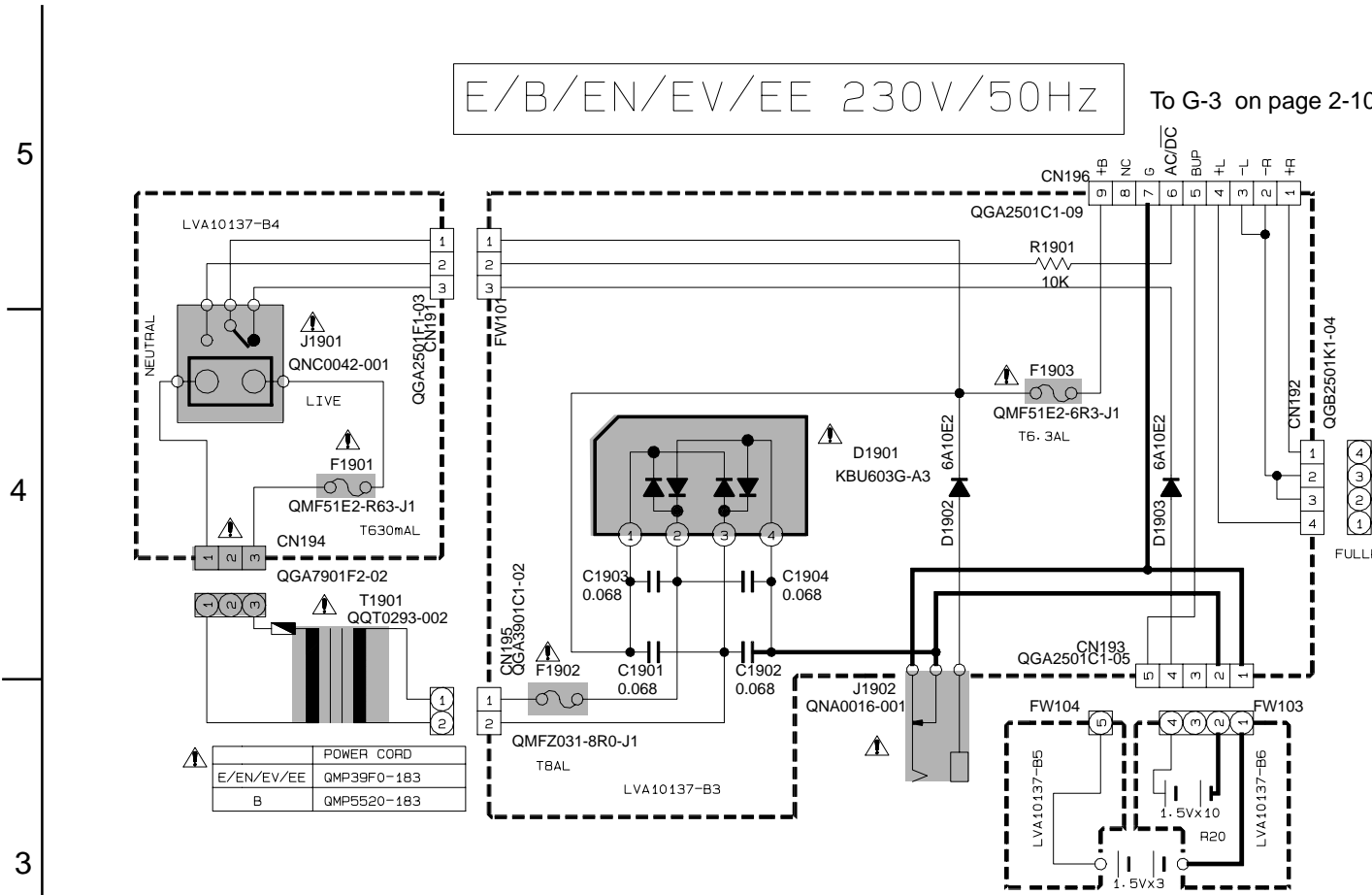
RV-DP200	QGR183-0012
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- MIC & Guitar signal
- CD & Main signal
- AUX signal
- Woofer signal

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

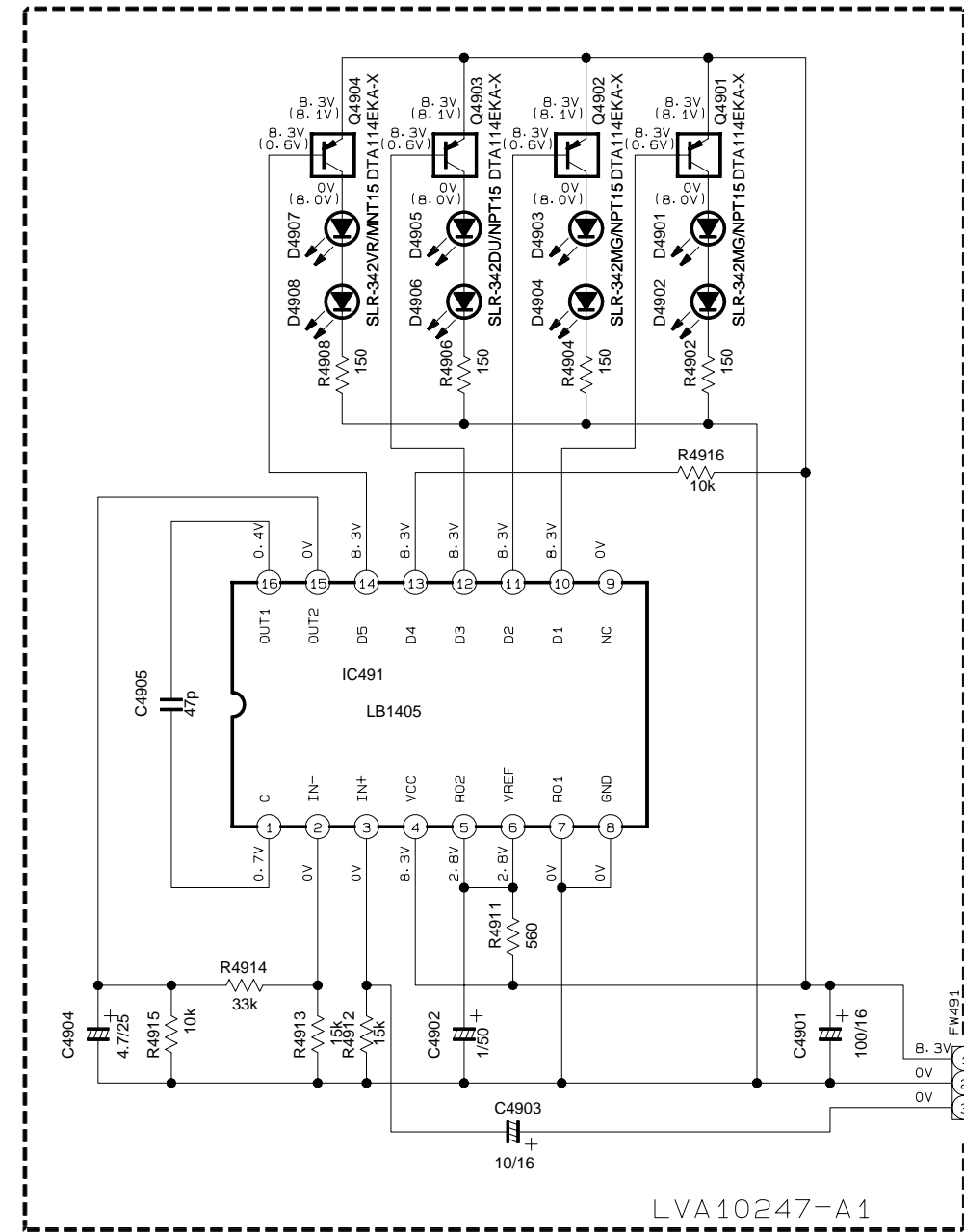
Power supply section

LED section



- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- CD STOP MODE
 2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/4W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN μF(P=pF).

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



NOTES

VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- CD STOP AT AC SUPPLY

UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/10W ±5% MG RESISTORS. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR. ALL CAPACITANCE VALUES ARE IN μF(P=pF). ALL INDUCTANCE VALUES ARE IN μH(m=mH). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

TABLE1 DIGITAL TR LIST

PARTS NAME	DTA114EKA-X
CONSTRUCTION	

TO MAIN SECTION (CN401)
(LVS10066-001A)

To A-2 on page 2-9

5
4
3
2
1

Printed circuit boards

■ Main board

Main board

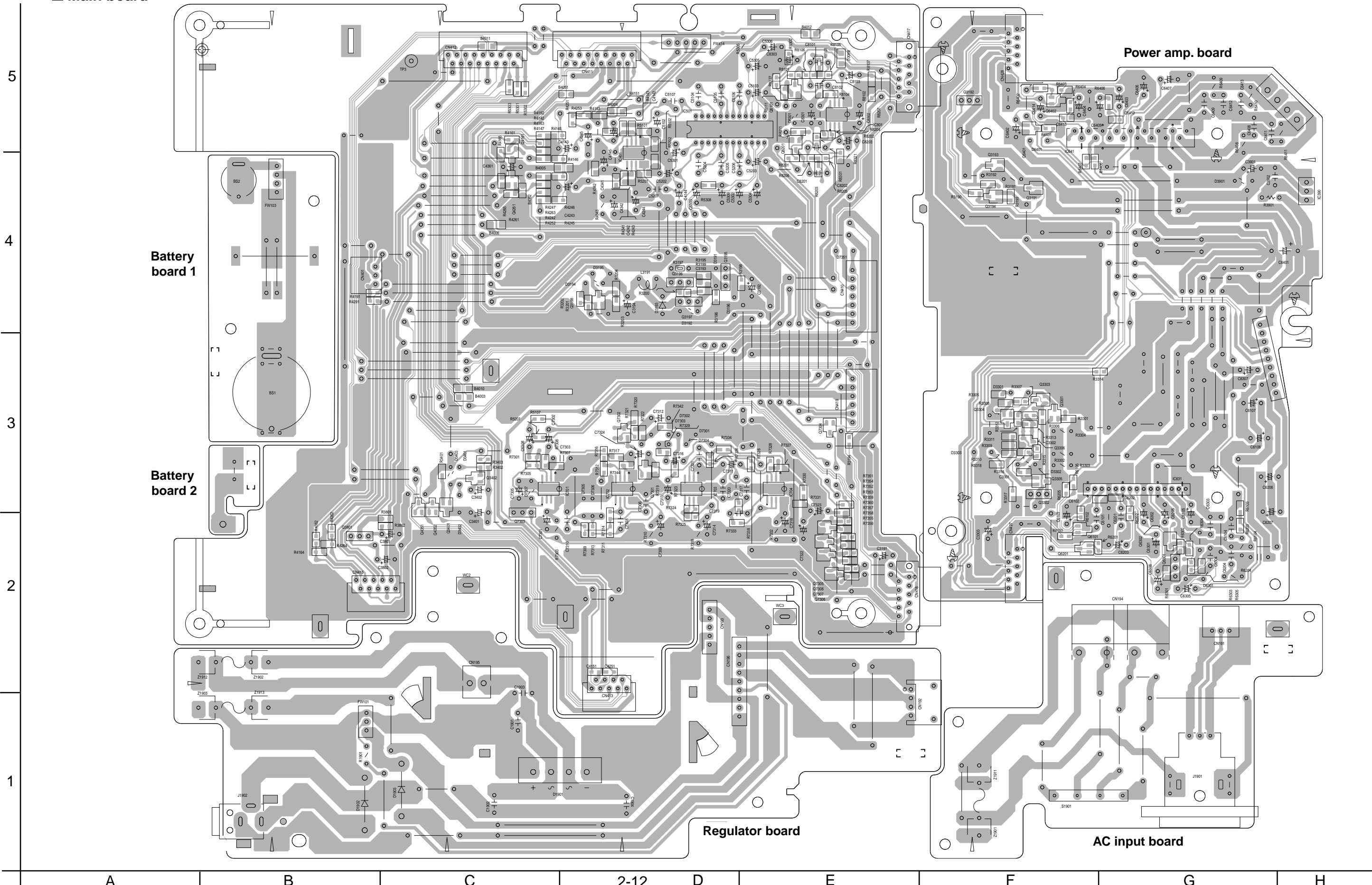
Power amp. board

Battery board 1

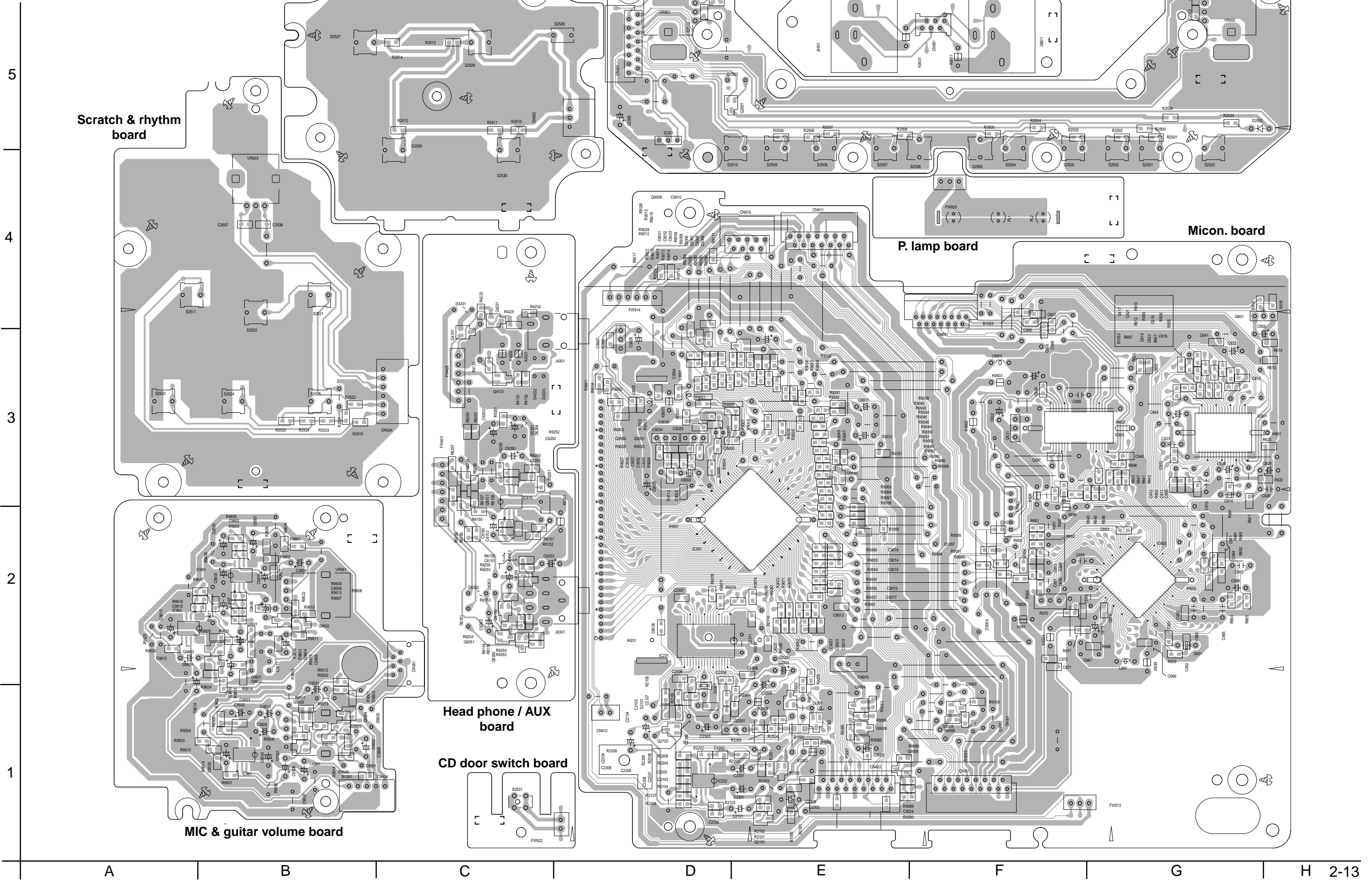
Battery board 2

Regulator board

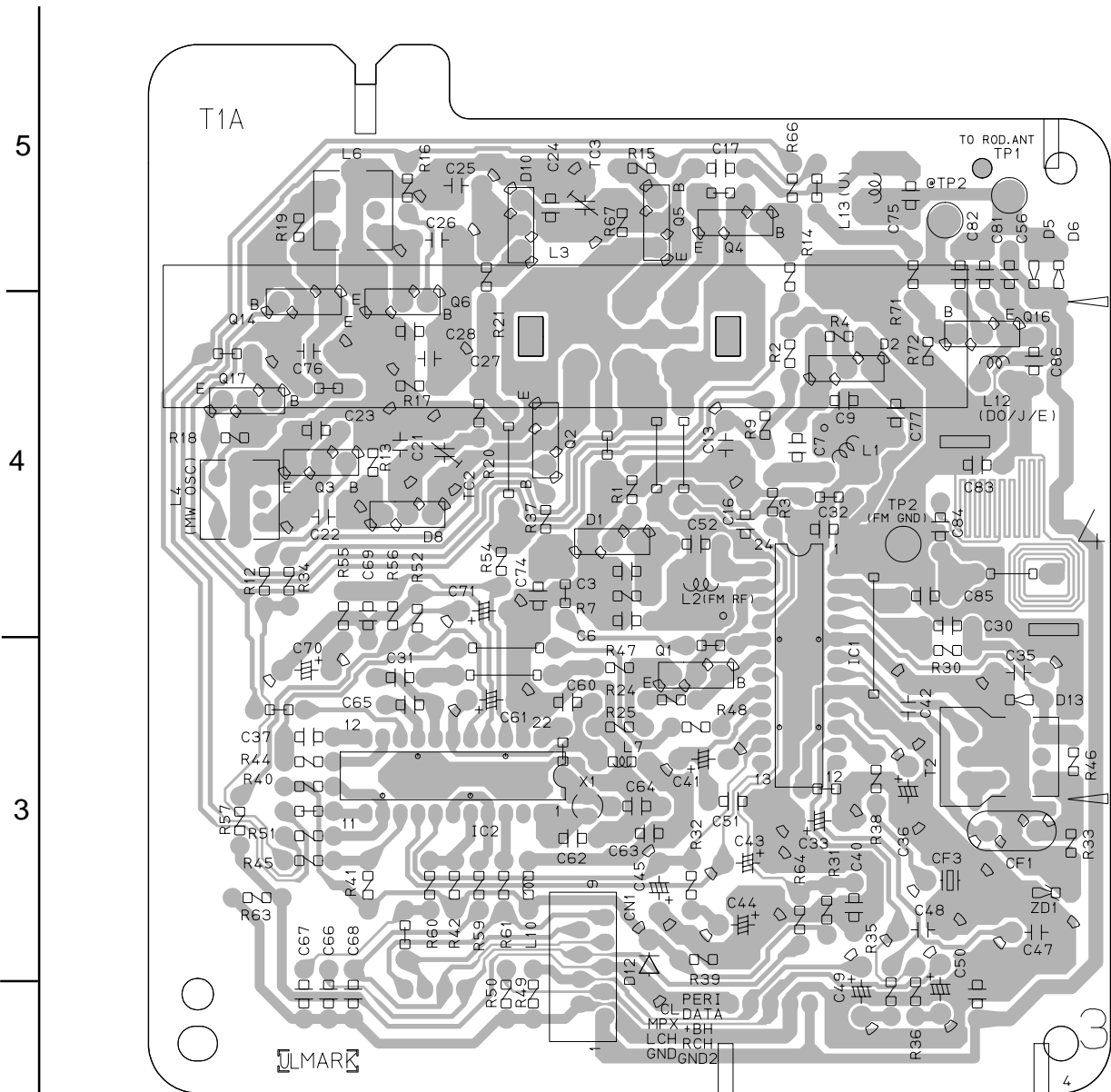
AC input board



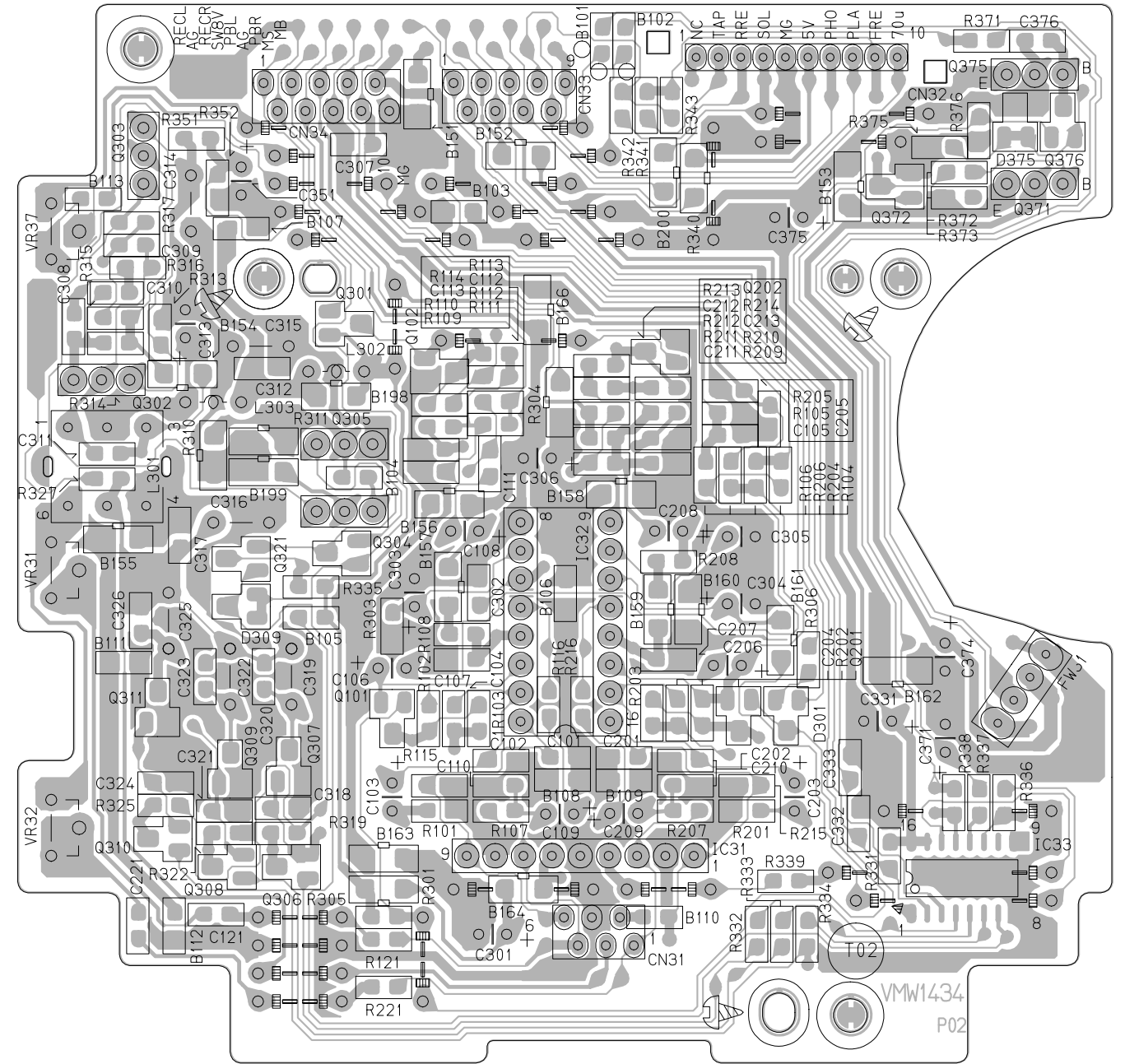
■ Micon board



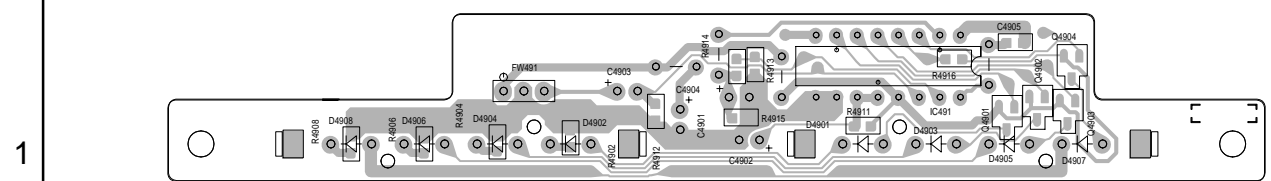
■ Tuner board



■ Head amplifier & Mechanism board



■ LED board



■ Cassette switch board

