

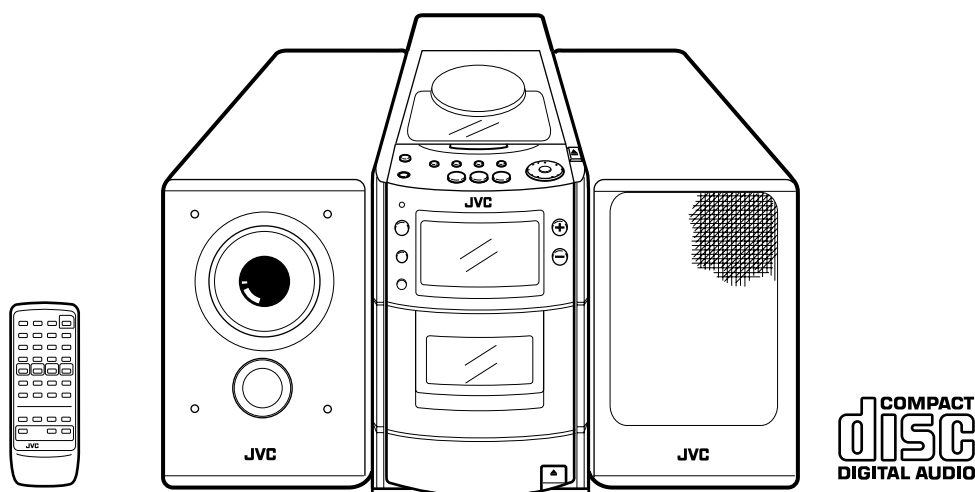
JVC

SCHEMATIC DIAGRAMS

MICRO COMPONENT SYSTEM

UX-T550

CD-ROM No.SML200102



Area Suffix

UF -----China

Contents

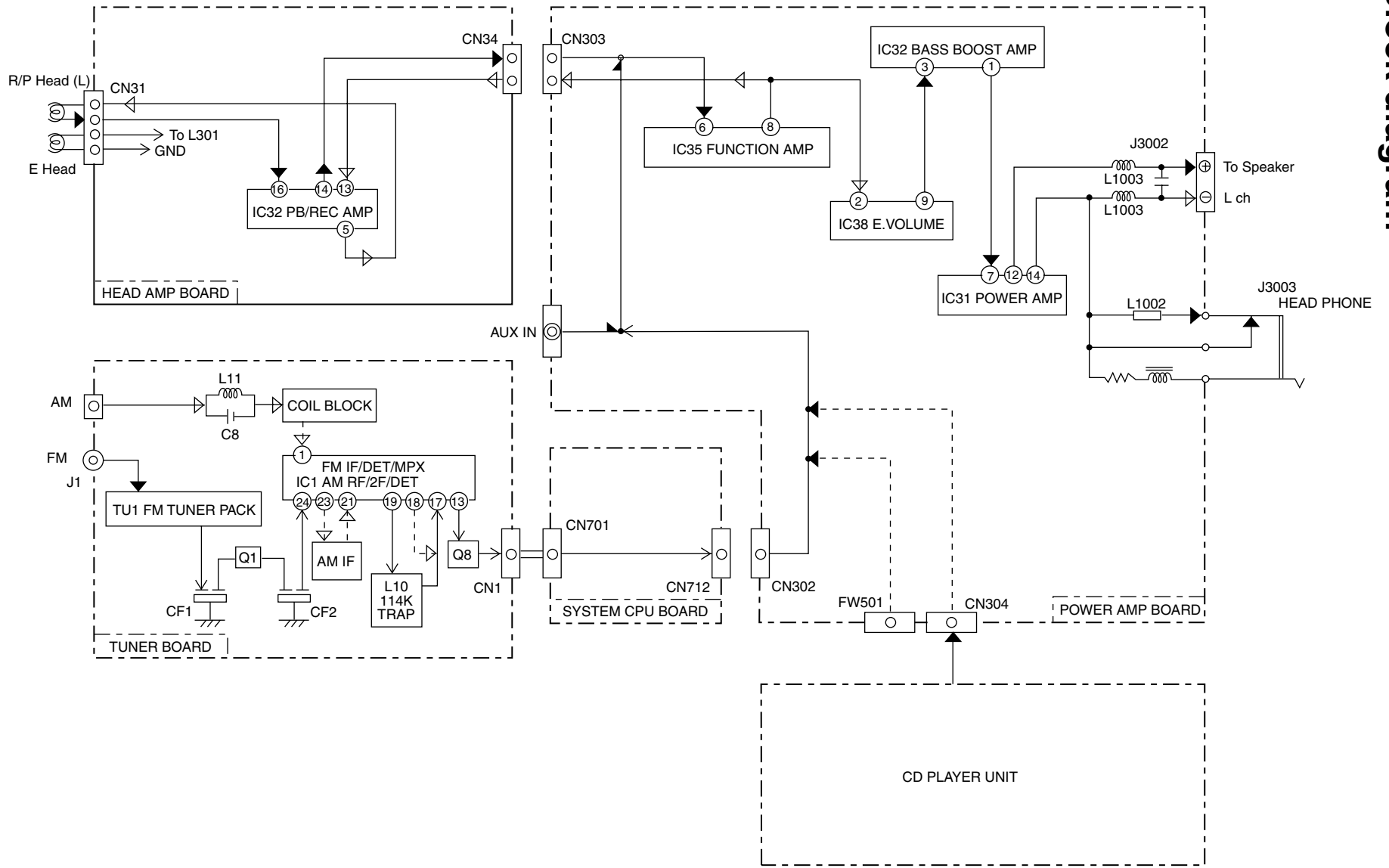
Block diagram	2-1
Standard schematic diagrams	2-3
Printed circuit boards	2-8~2-10

1 2 3 4 5

A

B

C



Block diagram

< MEMO >

Standard schematic diagrams

■ Main amp section

UX-T550

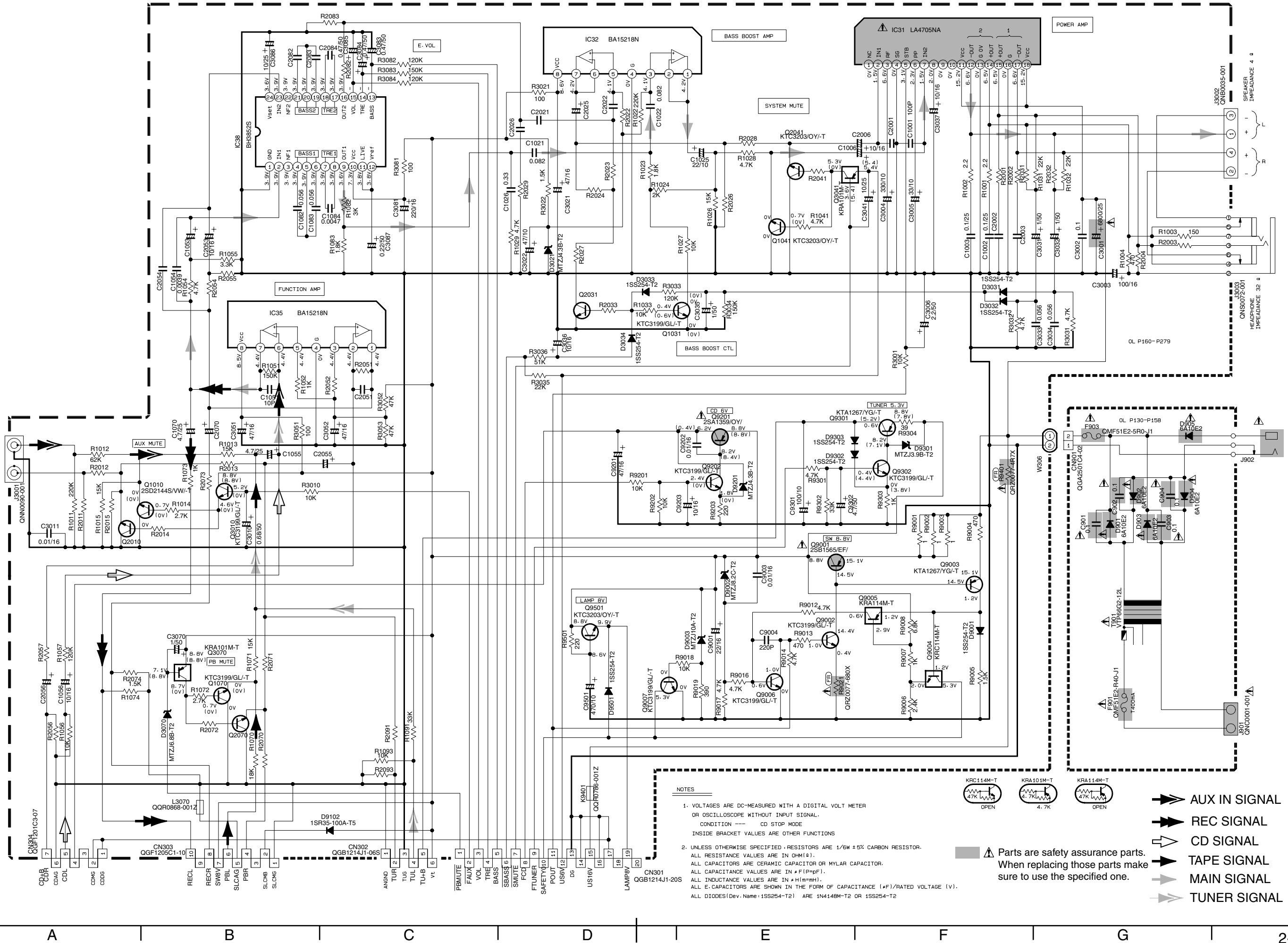
5

4

3

2

1



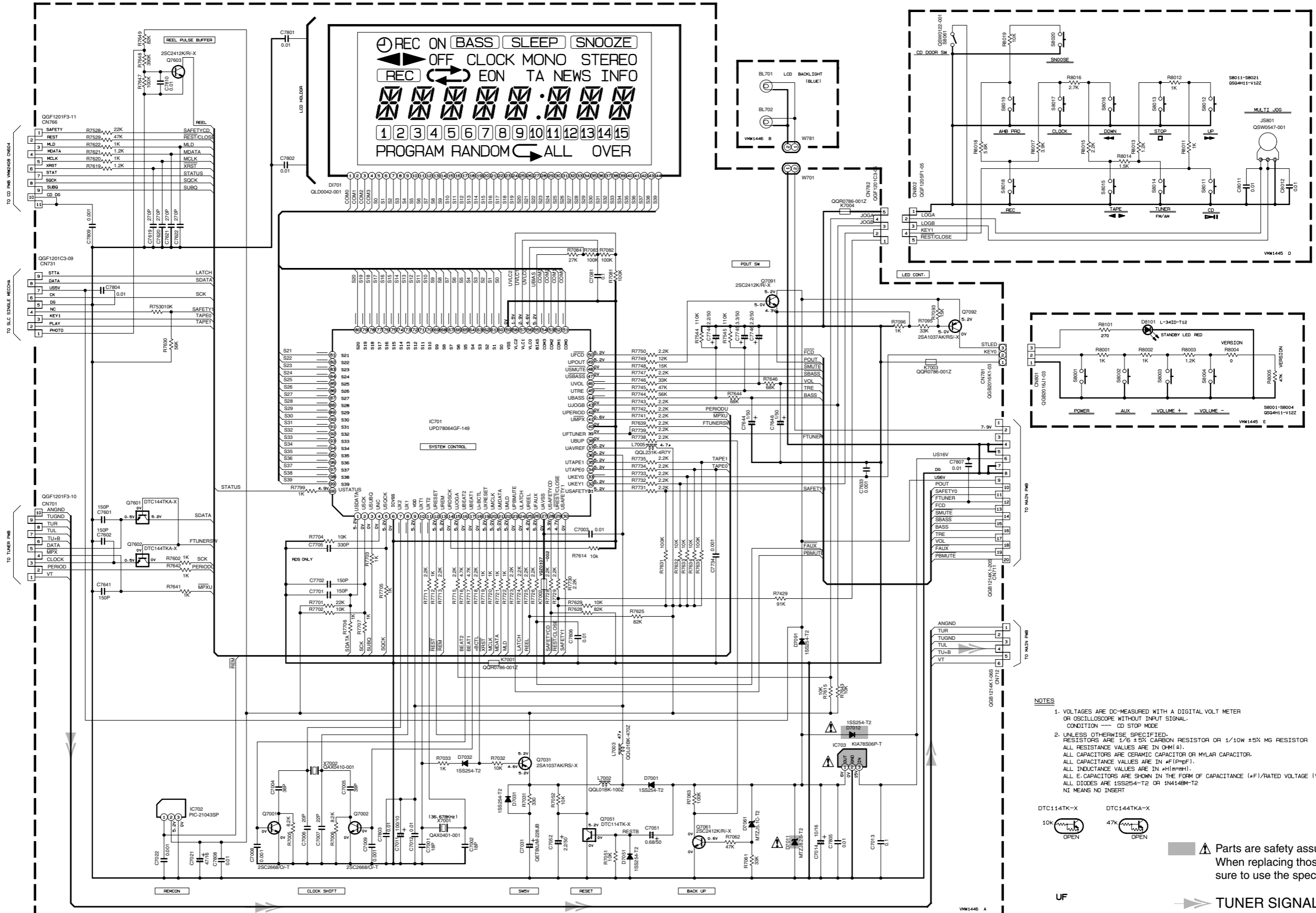
NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP MODE
INSIDE BRACKET VALUES ARE OTHER FUNCTIONS
- UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN nF(pF) OR μF.
ALL INDUCTANCE VALUES ARE IN mH(mHmH).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
ALL DIODES(Dev. Name: 1SS254-T2) ARE 1N4148M-T2 OR 1SS254-T2

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

- ▶ AUX IN SIGNAL
- ▶ REC SIGNAL
- ▶ CD SIGNAL
- ▶ TAPE SIGNAL
- ▶ MAIN SIGNAL
- ▶ TUNER SIGNAL

LCD& KEY Control 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 1/8 ±5% CARBON RESISTOR OR 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 #F(P#P#F). ALL INDUCTANCE VALUES ARE IN #H(M#M#H). ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#F#F)/RATED VOLTAGE (V). ALL DIODES ARE 1SS254-T2 OR 1N4148M-T2. NI MEANS NO INSERT.



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

UF → TUNER SIGNAL

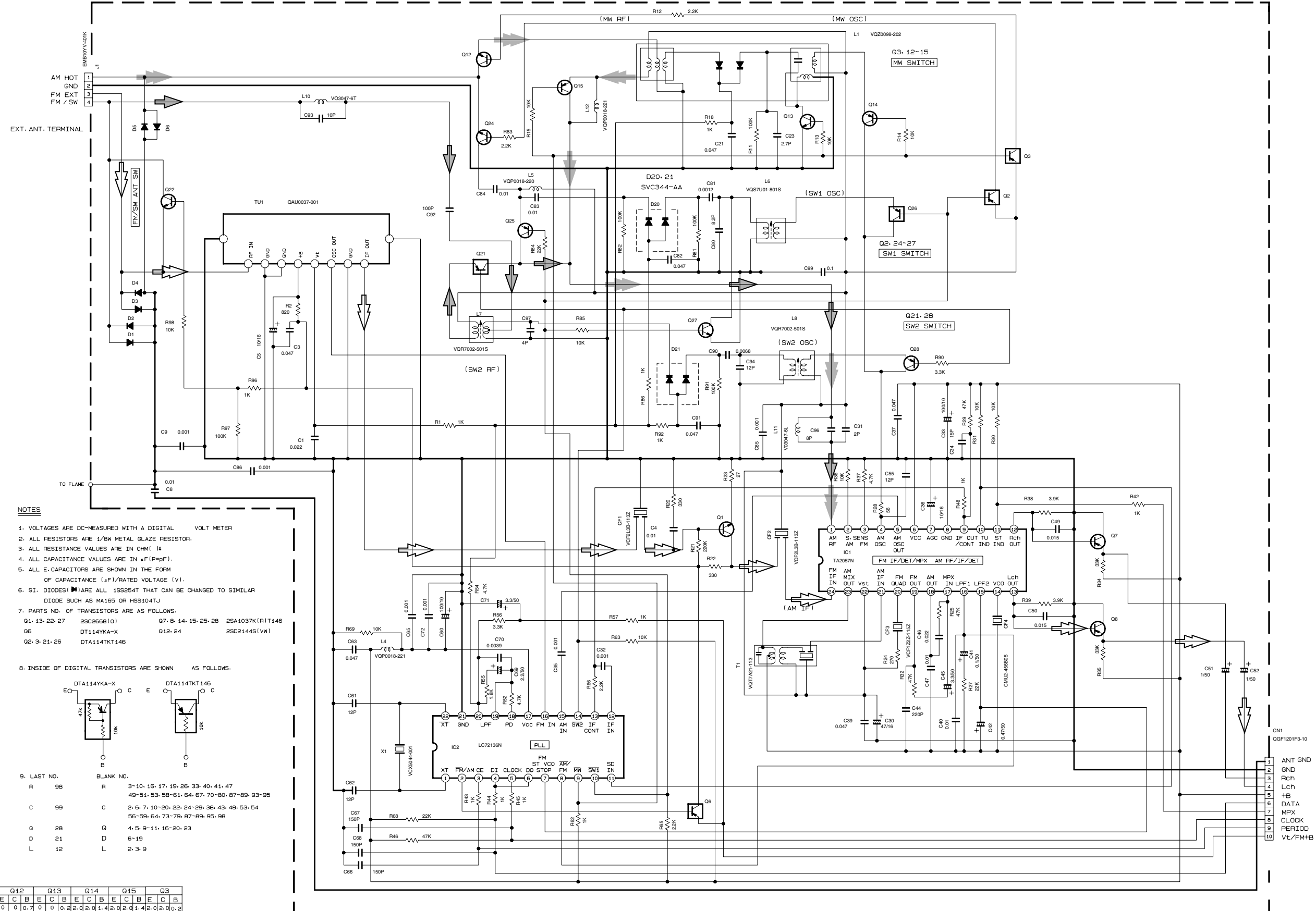
5

4

3

2

1



NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
- ALL RESISTORS ARE 1/8W METAL GLAZE RESISTOR.
- 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).
- SI DIODES (▶) ARE ALL 1SS254T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS1047J
- PARTS NO. OF TRANSISTORS ARE AS FOLLOWS.

Q1-13, 22-27	2SC2668(G)	Q7-8, 14-15, 25-28	2SA1037X(RIT146)
Q6	DTA114YKA-X	Q12-24	2SD2144S(VW)
Q2-3, 21-26	DTA114TKT146		
- INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.

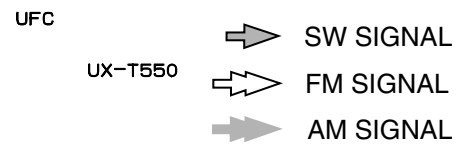
DTA114YKA-X	DTA114TKT146

Tr. No.	Q12	Q13	Q14	Q15	Q3
PIN NAME	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B	E C B E C B 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 531KHZ	0 0 0 0 7 0 0 0 0 2 2 0 2 0 1 4 2 0 2 0 1 4 2 0 2 0 2	0 0 0 0 7 0 0 0 0 2 2 0 2 0 1 4 2 0 2 0 1 4 2 0 2 0 2	0 0 0 0 7 0 0 0 0 2 2 0 2 0 1 4 2 0 2 0 1 4 2 0 2 0 2	0 0 0 0 7 0 0 0 0 2 2 0 2 0 1 4 2 0 2 0 1 4 2 0 2 0 2	0 0 0 0 7 0 0 0 0 2 2 0 2 0 1 4 2 0 2 0 1 4 2 0 2 0 2
SW 2.3MHz	0 0 0 0 7 0 0 0 0 2 2 0 2 0 1 4 2 0 2 0 1 4 2 0 2 0 2	0 0 0 0 7 0 0 0 0 2 2 0 2 0 1 4 2 0 2 0 1 4 2 0 2 0 2	0 0 0 0 7 0 0 0 0 2 2 0 2 0 1 4 2 0 2 0 1 4 2 0 2 0 2	0 0 0 0 7 0 0 0 0 2 2 0 2 0 1 4 2 0 2 0 1 4 2 0 2 0 2	0 0 0 0 7 0 0 0 0 2 2 0 2 0 1 4 2 0 2 0 1 4 2 0 2 0 2

Tr. No.	Q1	Q6	Q22	Q7	Q8
PIN NAME	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B
FM 87.5MHz	0 0 7 0 0 7 0 0 0 0 0 0 0 0 7 1 6 0 1 1 1 6 0 1 1	0 0 7 0 0 7 0 0 0 0 0 0 0 0 7 1 6 0 1 1 1 6 0 1 1	0 0 7 0 0 7 0 0 0 0 0 0 0 0 7 1 6 0 1 1 1 6 0 1 1	0 0 7 0 0 7 0 0 0 0 0 0 0 0 7 1 6 0 1 1 1 6 0 1 1	0 0 7 0 0 7 0 0 0 0 0 0 0 0 7 1 6 0 1 1 1 6 0 1 1
AM 531KHZ	0 0 0 0 8 0 8 0 8 0 7 0 0 0 0 1 6 0 1 1 1 6 0 1 1	0 0 0 0 8 0 8 0 8 0 7 0 0 0 0 1 6 0 1 1 1 6 0 1 1	0 0 0 0 8 0 8 0 8 0 7 0 0 0 0 1 6 0 1 1 1 6 0 1 1	0 0 0 0 8 0 8 0 8 0 7 0 0 0 0 1 6 0 1 1 1 6 0 1 1	0 0 0 0 8 0 8 0 8 0 7 0 0 0 0 1 6 0 1 1 1 6 0 1 1

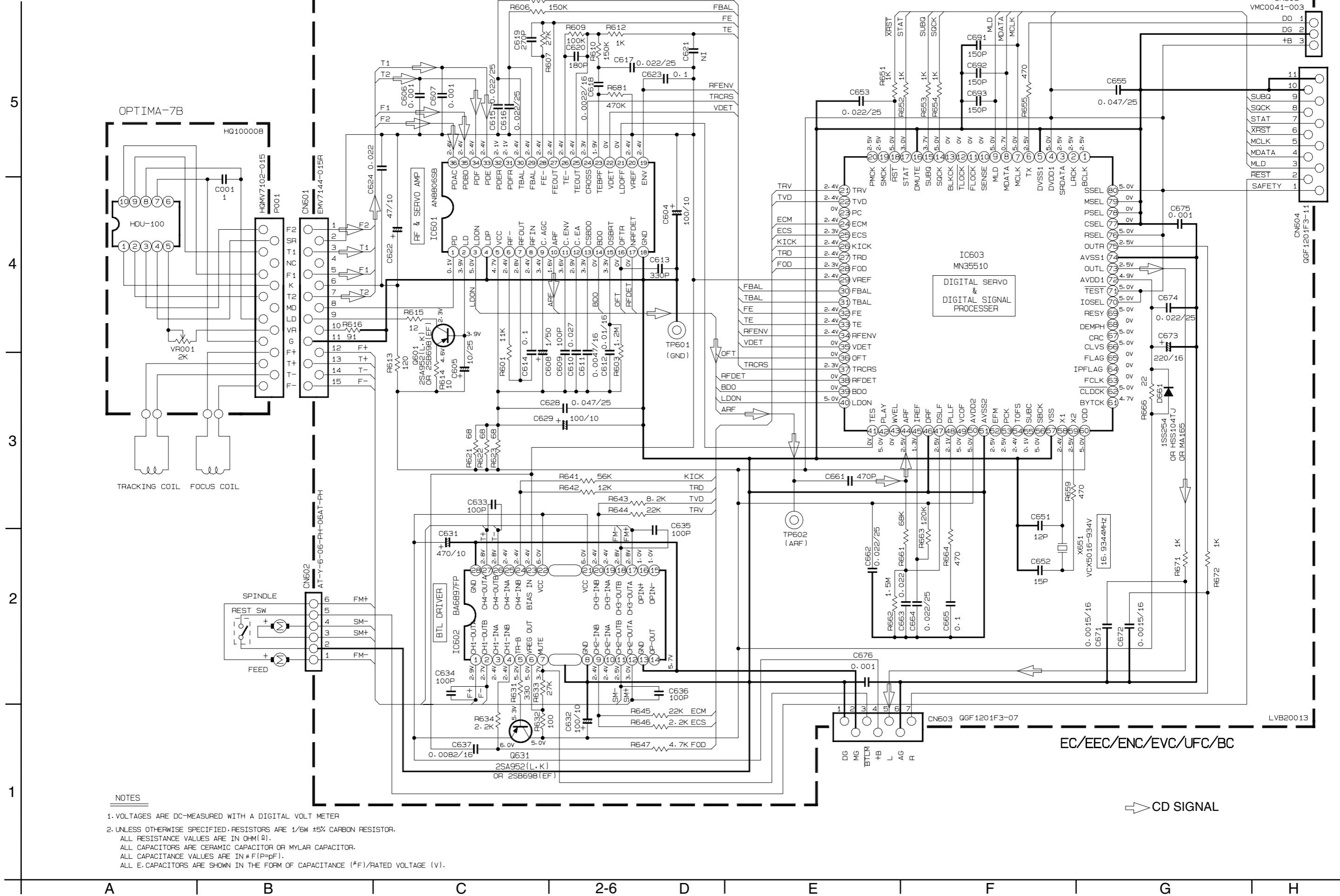
Tr. No.	Q21	Q24	Q25	Q26	Q27	Q28	Q2
PIN NAME	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B	E C B E C B E C B E C B E C B
SW 2.3MHz	2 0 2 0 5 1 0 0 0 0 7 2 0 2 0 1 4 2 0 2 0 1 0 0 0 1 2 0 2 0 5 1	2 0 2 0 5 1 0 0 0 0 7 2 0 2 0 1 4 2 0 2 0 1 0 0 0 1 2 0 2 0 5 1	2 0 2 0 5 1 0 0 0 0 7 2 0 2 0 1 4 2 0 2 0 1 0 0 0 1 2 0 2 0 5 1	2 0 2 0 5 1 0 0 0 0 7 2 0 2 0 1 4 2 0 2 0 1 0 0 0 1 2 0 2 0 5 1	2 0 2 0 5 1 0 0 0 0 7 2 0 2 0 1 4 2 0 2 0 1 0 0 0 1 2 0 2 0 5 1	2 0 2 0 5 1 0 0 0 0 7 2 0 2 0 1 4 2 0 2 0 1 0 0 0 1 2 0 2 0 5 1	2 0 2 0 5 1 0 0 0 0 7 2 0 2 0 1 4 2 0 2 0 1 0 0 0 1 2 0 2 0 5 1
SW 7MHz	2 0 2 0 4 0 0 0 0 0 2 0 2 0 4 3 2 0 2 0 4 3 0 0 0 0 7 2 0 2 0 4 3	2 0 2 0 4 0 0 0 0 0 2 0 2 0 4 3 2 0 2 0 4 3 0 0 0 0 0 7 2 0 2 0 4 3	2 0 2 0 4 0 0 0 0 0 2 0 2 0 4 3 2 0 2 0 4 3 0 0 0 0 0 7 2 0 2 0 4 3	2 0 2 0 4 0 0 0 0 0 2 0 2 0 4 3 2 0 2 0 4 3 0 0 0 0 0 7 2 0 2 0 4 3	2 0 2 0 4 0 0 0 0 0 2 0 2 0 4 3 2 0 2 0 4 3 0 0 0 0 0 7 2 0 2 0 4 3	2 0 2 0 4 0 0 0 0 0 2 0 2 0 4 3 2 0 2 0 4 3 0 0 0 0 0 7 2 0 2 0 4 3	2 0 2 0 4 0 0 0 0 0 2 0 2 0 4 3 2 0 2 0 4 3 0 0 0 0 0 7 2 0 2 0 4 3

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
IC1 FM NO SIGNAL	2.0	0.5	0	2.0	5.1	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.4	3.7	3.7	1.4	0	1.3	1.1	2.0	2.0	5.1	2.0
IC1 FM 60dB STEREO	2.0	0.5	0	2.0	5.1	5.1	1.1	0	0.3	0	0	1.1	1.1	4.3	4.1	3.7	1.4	0	1.4	1.1	2.0	2.0	5.1	2.0
IC1 AM NO SIGNAL	2.0	0.5	0	2.0	5.1	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.5	0.1	0	1.4	1.4	1.5	1.6	2.0	2.0	5.1	2.0
IC2 FM NO SIGNAL	2.4	0	0	1.1	5.0	1.1	3.7	3.7	4.5	4.3	5.1	0	0	5.1	0	2.6	5.1	1.0	1.0	3.7	0	2.7		



CD Servo control section

UX-T550 UX-T550



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/6W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN #F(P=pF). ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#F)/RATED VOLTAGE (V).

Head amp & Mecha control section

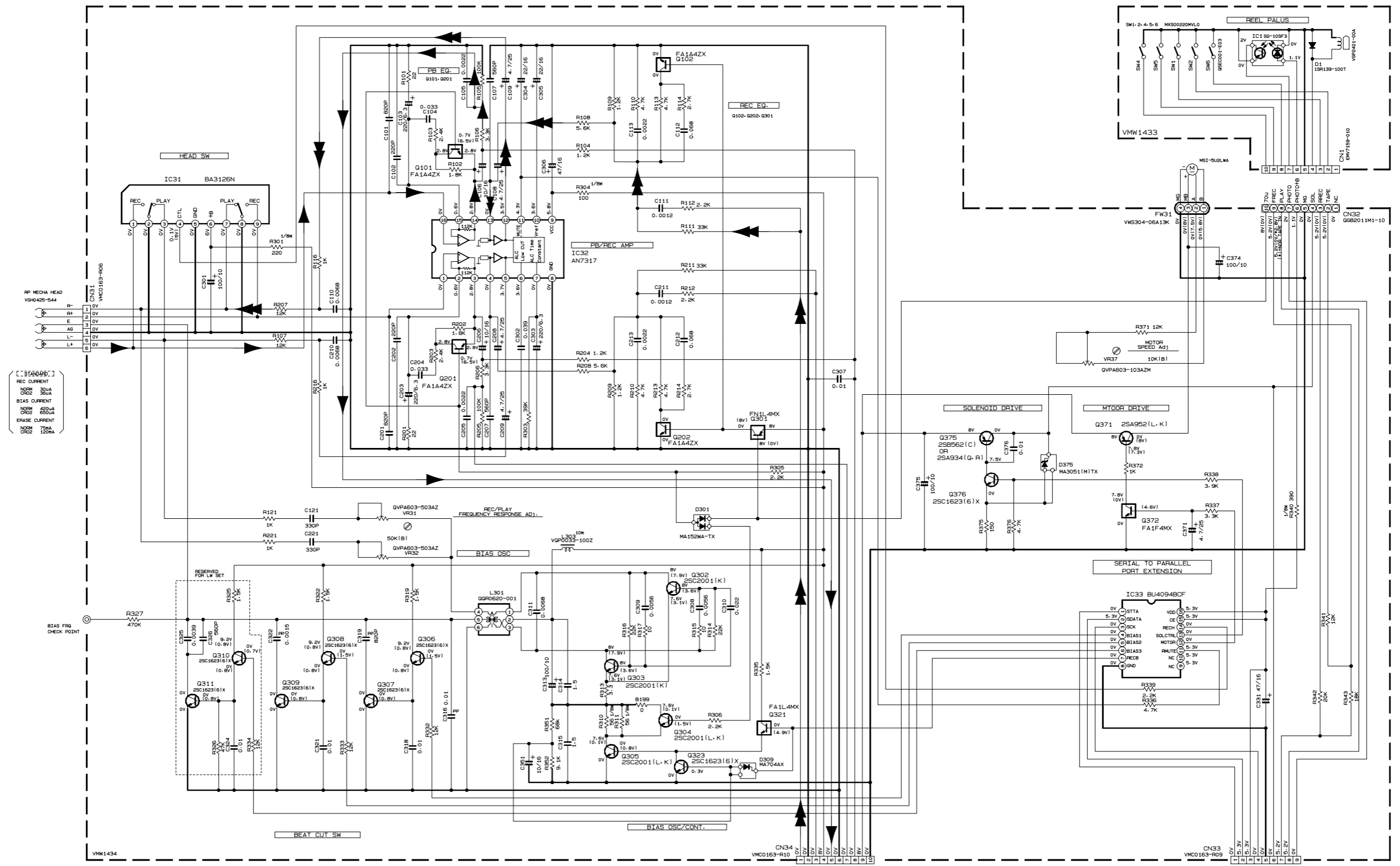
5

4

3

2

1



- REC CURRENT
- NORM 300A
- CR02 300A
- BIAS CURRENT
- NORM 4500A
- CR02 6500A
- EMASE CURRENT
- NORM 750A
- CR02 1200A

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 PICO (pF). ALL INDUCTANCE VALUES ARE IN MILLI (mH). ALL INDUCTANCE VALUES ARE IN MICRO (μH). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#1/RATED VOLTAGE (V)). POLYPROPYLENE CAPACITOR.

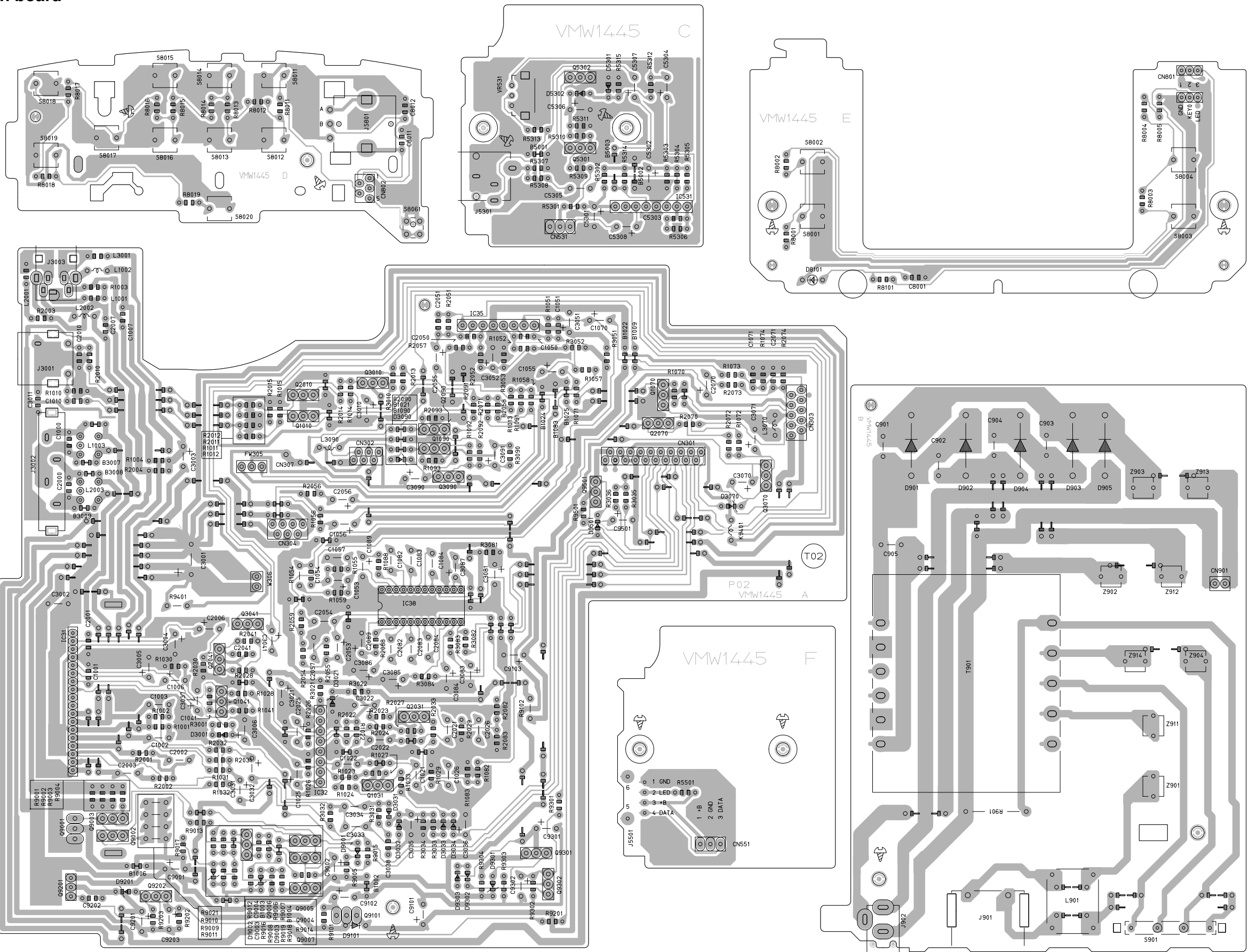
PARTS	NAME	REF. NO.
	FA1A4ZX	Q101-Q201
	FN1L4MX	Q301
	FA1L4MX	Q321
	FA1F4MX	Q371

➔ REC SIGNAL
➔ TAPE SIGNAL

Printed circuit boards

■ Main board

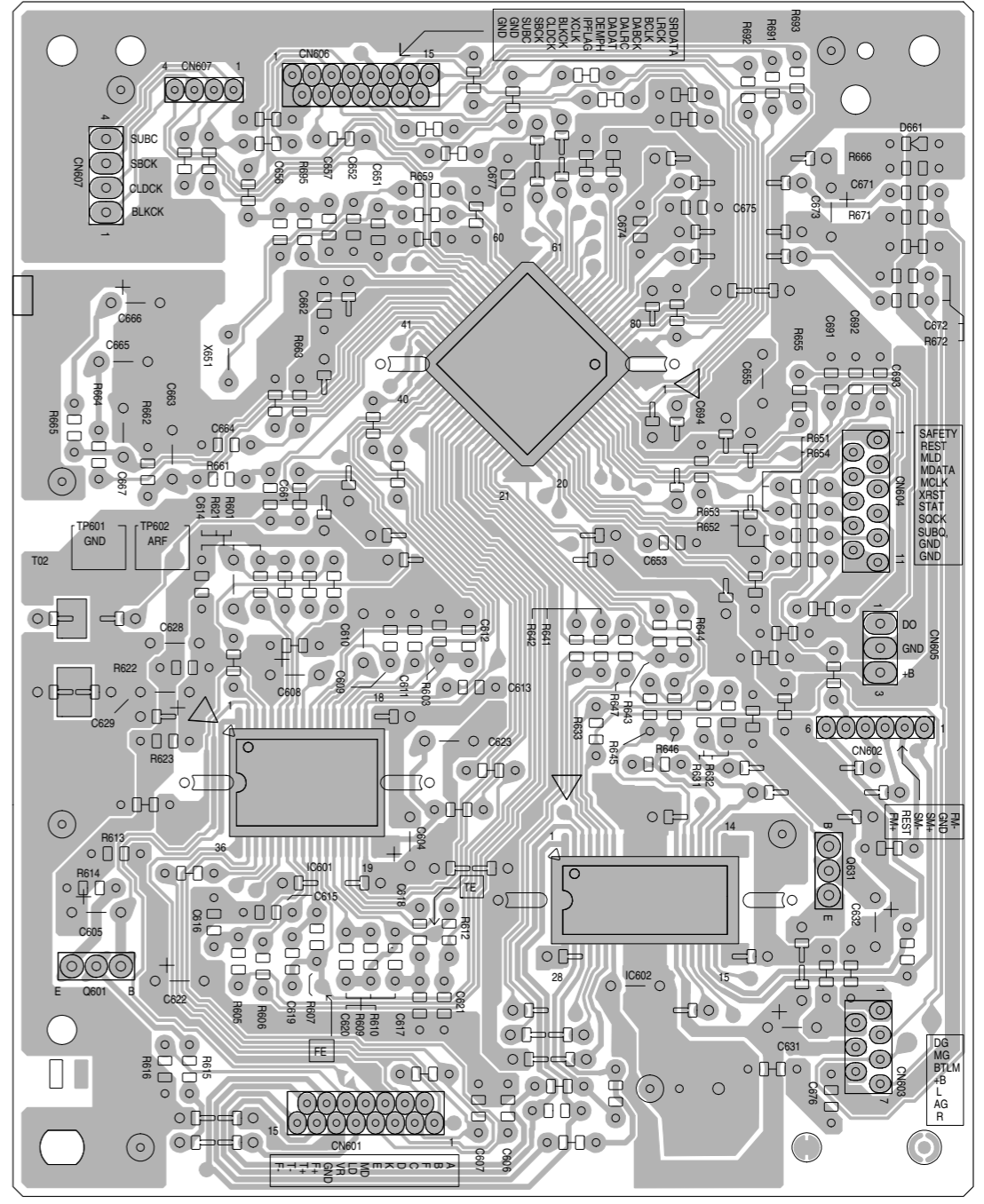
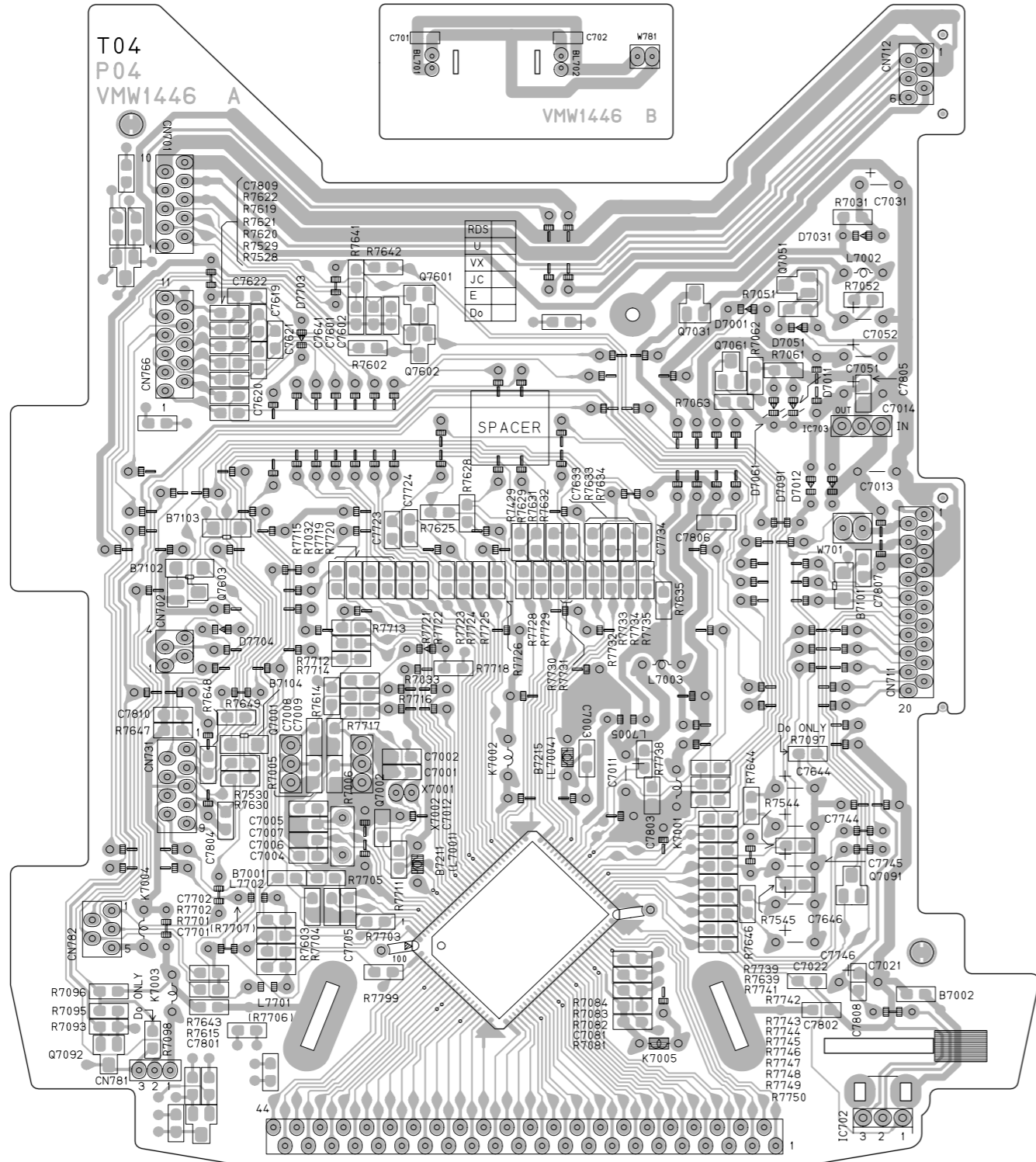
5
4
3
2
1
A B C 2-8 D E F G H



■ LCD system & CPU board

■ CD servo control board

5
4
3
2
1

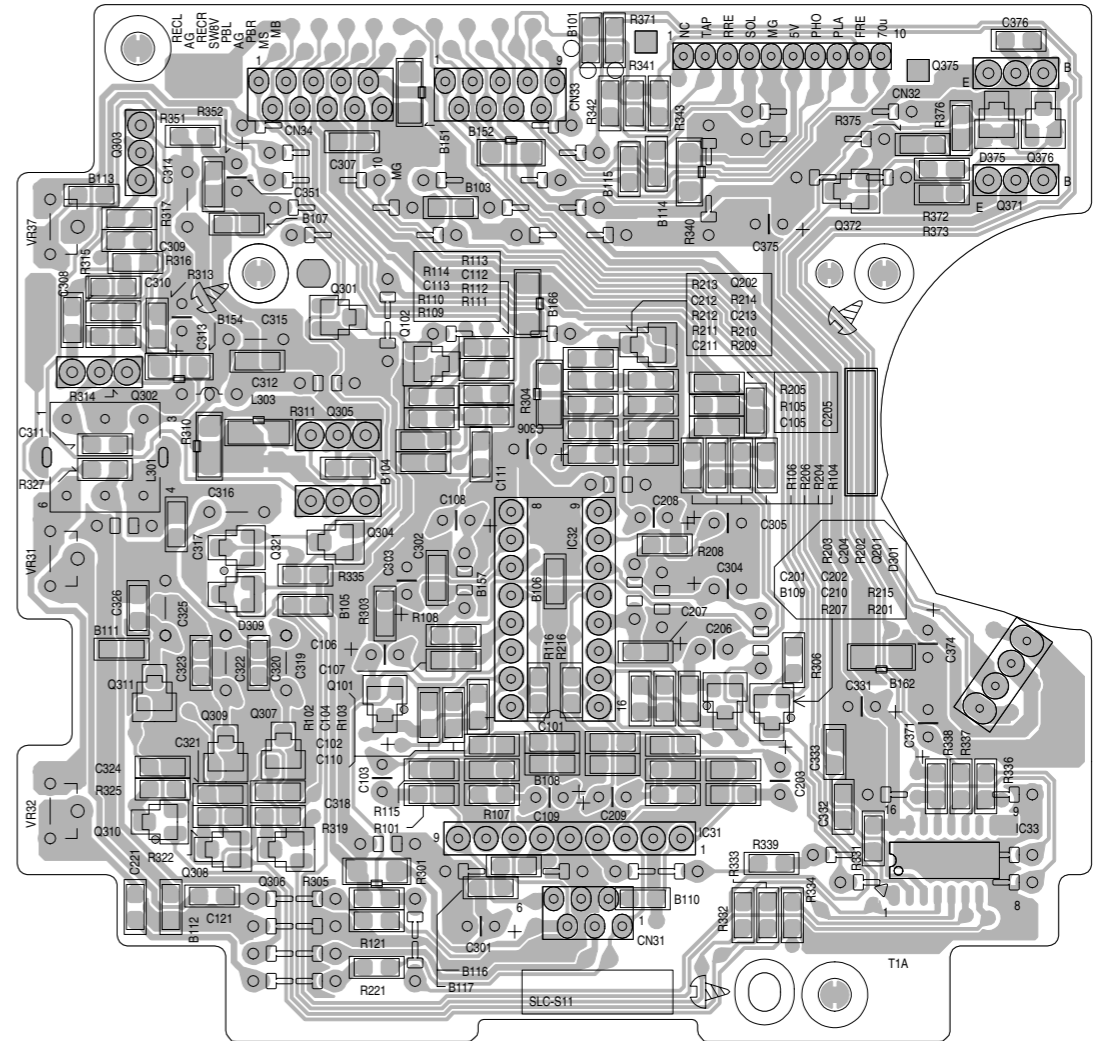
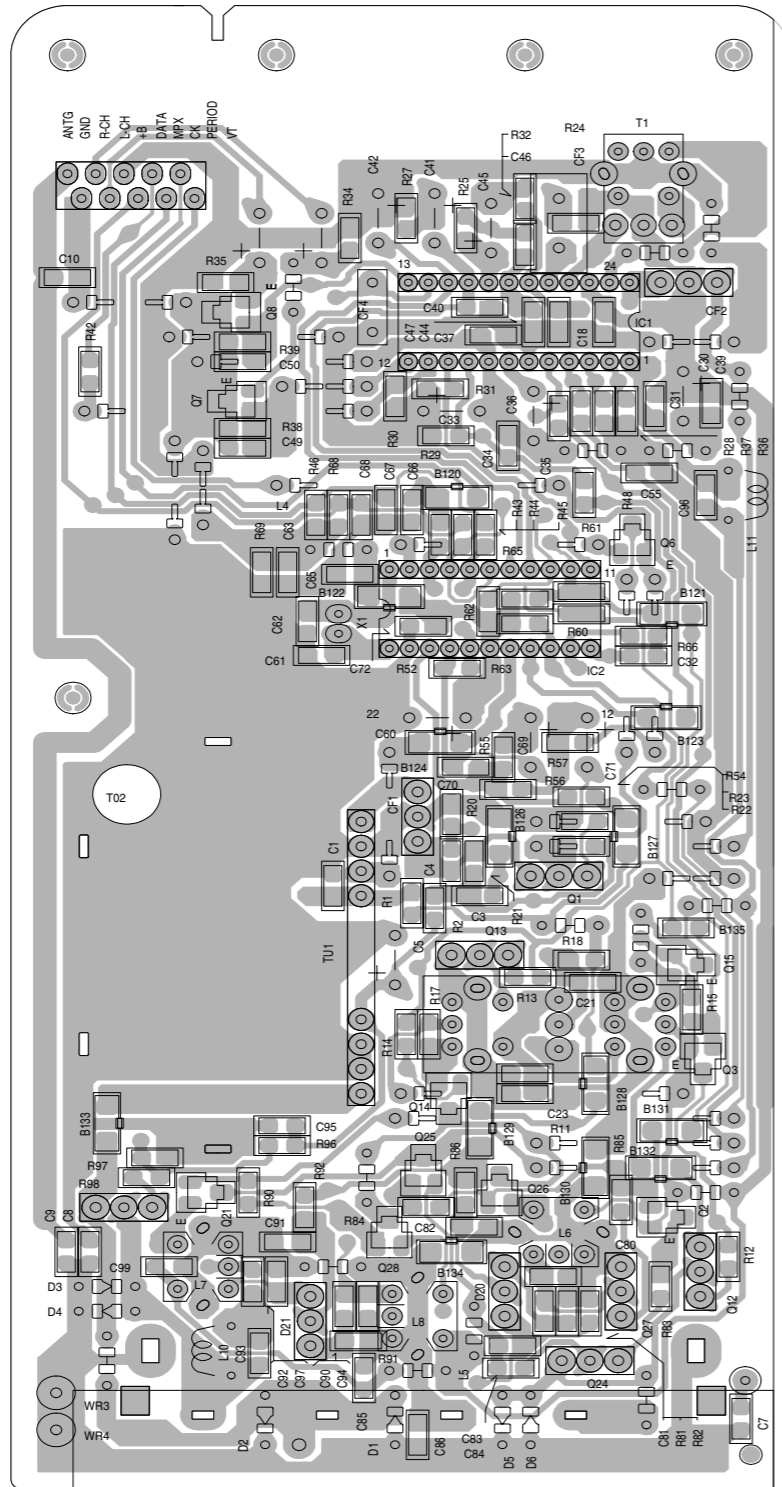


A B C D E F G 2-9

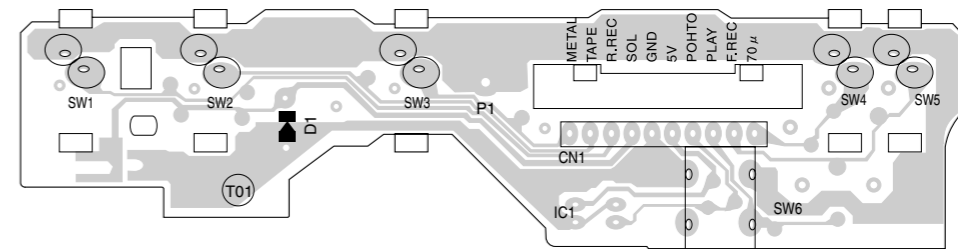
■ Tuner board

■ Head amplifier & Mechanism control board

5
4
3
2
1



■ Cassette switch board



A B C 2-10 D E F G H

UX-T550

JVC

VICTOR COMPANY OF JAPAN, LIMITED
AUDIO & COMMUNICATION BUSINESS DIVISION
PERSONAL & MOBILE NETWORK BUSINESS UNIT. 10-1, 1Chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

No.20916SCH

 Printed in Japan
200102(V)