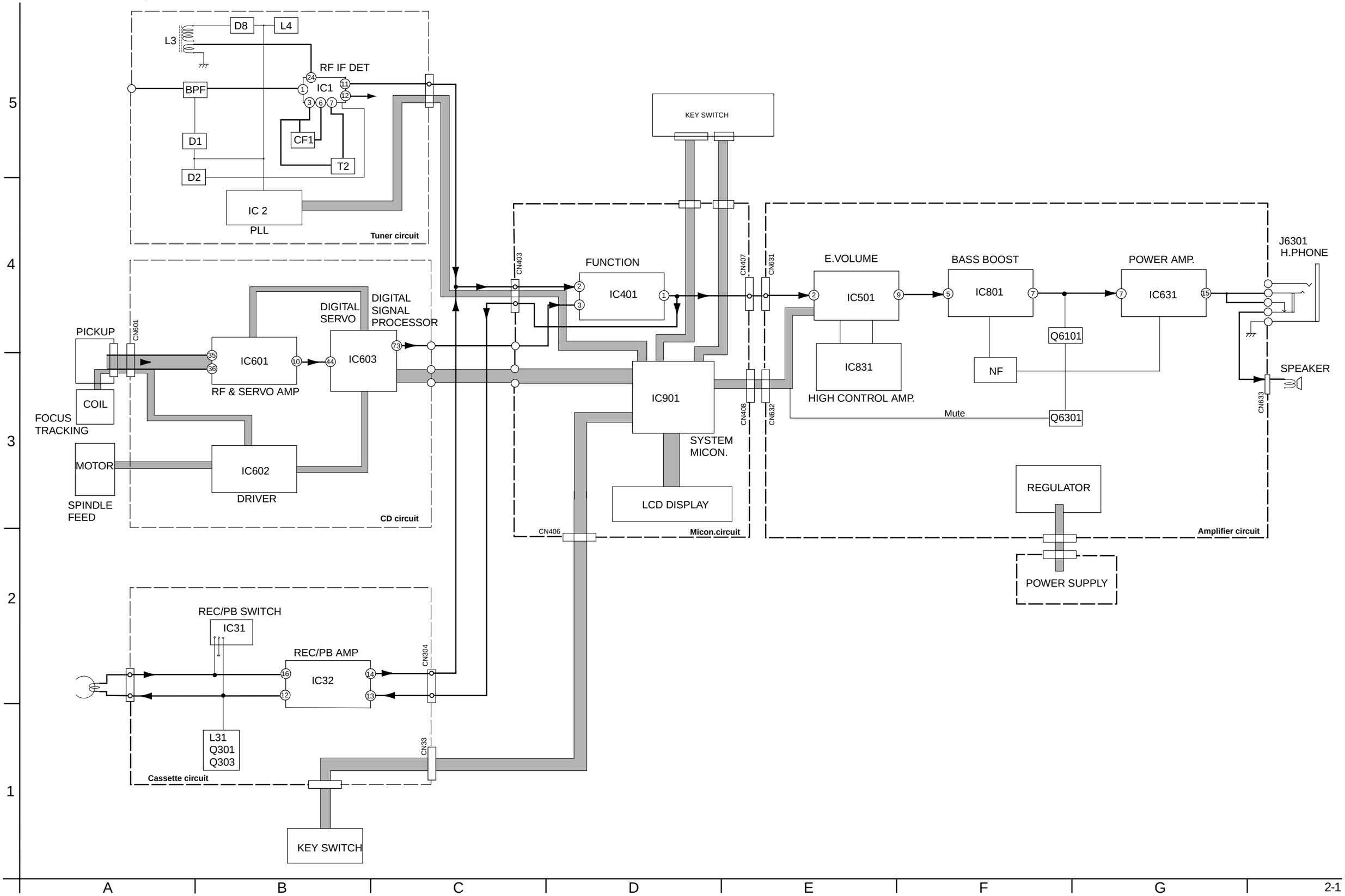
Block diagram



Standard schematic diagrams

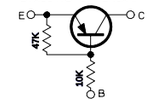
■ Tuner section

	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
IC2	FM NO SIGNAL	0.8	0	0.8	5.4	5.4	5.4	5.4	0	3.9	5.4	1.5	1.5	4.7	4.0	4.0	1.5	1.5	4.0	4.4	5.4	5.4	5.4	5.4	5.4
	FM 60dB STEREO	0.8	0	0.8	5.4	5.4	5.4	4.4	0	3.9	0	1.5	1.5	4.7	4.3	4.0	1.5	1.7	4.0	4.4	5.4	5.4	5.4	5.4	5.4
	AM NO SIGNAL	0	0	0.2	5.4	5.4	5.4	5.4	0	4.5	4.7	1.5	1.5	4.9	0	0	1.5	1.3	4.0	4.5	5.4	5.4	5.4	5.4	5.4
IC3	FM NO SIGNAL	2.1	0	0	5.3	5.3	5.3	4.0	4.0	4.1	3.2	5.4	0	4.0	1.3	0	2.7	5.4	1.0	1.0	0.8	0	2.7		

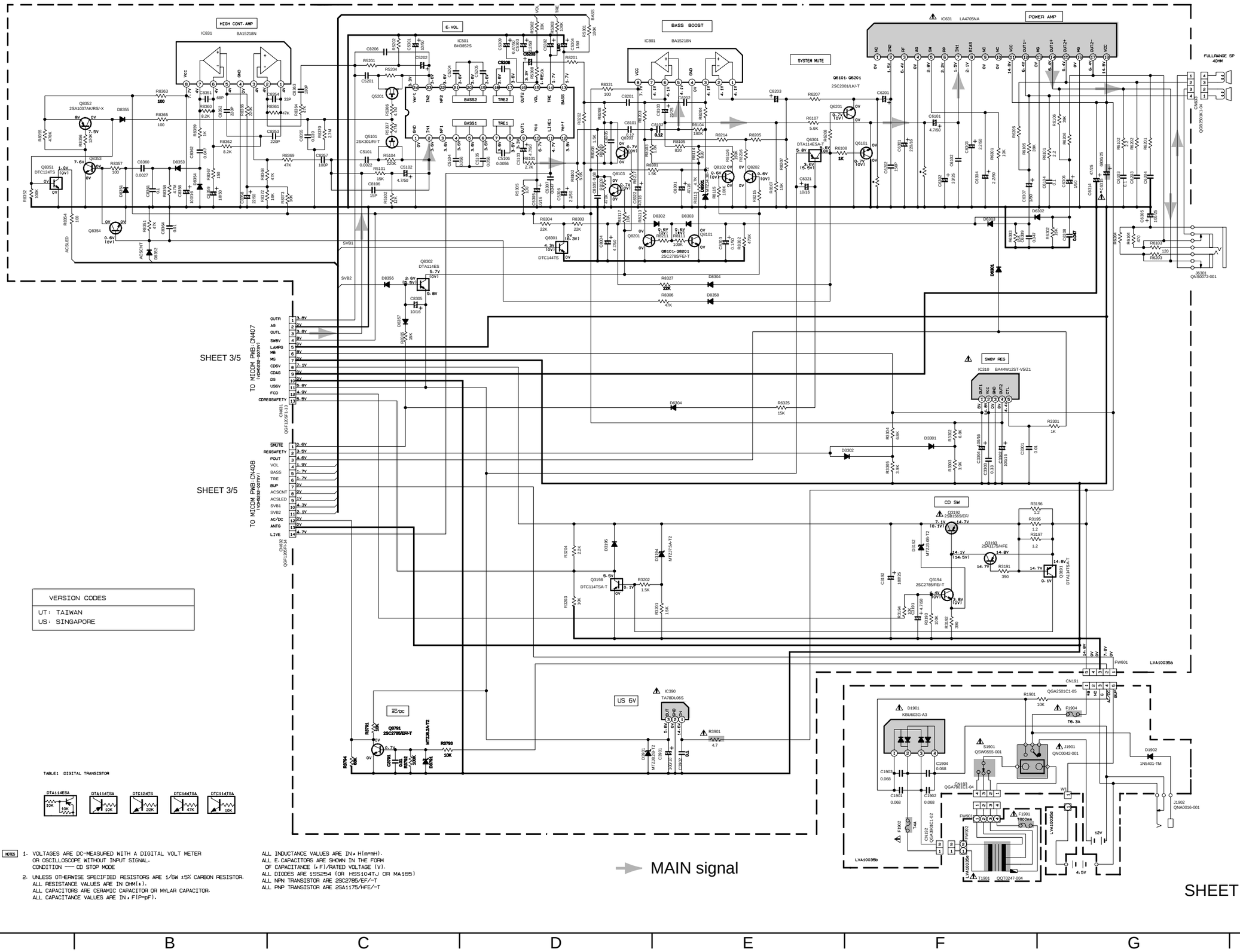
TR. NO.	Q3			Q4			Q5			Q6			Q16			Q17		
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
AM 531kHz · NO SIGNAL	0	0	0.1	5.4	5.4	5.4	0	0	0.8	0	0	0.7	0	0	0.7	5.4	5.4	5.4
SW 5.75MHz · NO SIGNAL	0	0	0.8	5.4	5.4	4.8	0	0	0.1	0	0	0.1	0	0	0.1	5.4	5.4	0

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
2. ALL RESISTORS ARE 1/6W 5% CARBON RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM(Ω).
4. ALL CAPACITANCE VALUES ARE IN μF(P=pF).
5. ALL E.CAPS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
6. ALL INDUCTANCE VALUES ARE IN μH (m=mH)
7. S1. DIODES(▶|) ARE ALL 1SS254T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR 1SS133T.
8. PARTS NO. OF TRANSISTORS ARE AS FOLLOWS.
   Q3. Q5. Q6. Q16 2SC2668/O/ OR 2SC1923/O/ Q4 2SA1175/HFE/
   Q17 DTA114YS OR BN1A4P
9. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.
   DTA114YS or BN1A4P



■ Main amplifier section



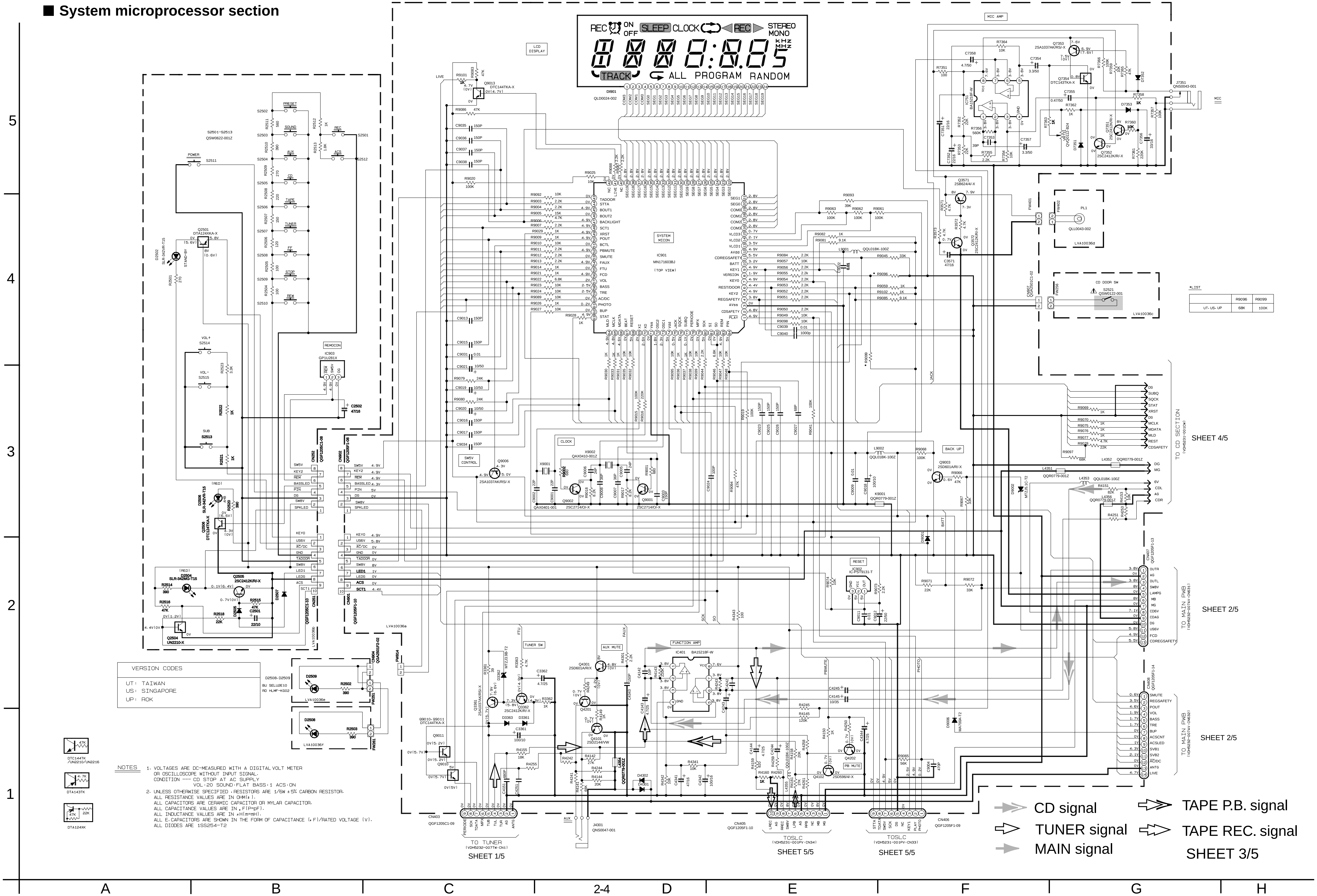
VERSION CODES
UT: TAIWAN
US: SINGAPORE

TABLE1 DIGITAL TRANSISTOR

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 1/6W ±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).

ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
ALL DIODES ARE 1SS254 (OR HSS104TJ OR MA165)
ALL NPN TRANSISTOR ARE 2SC2785/EF/-T
ALL PNP TRANSISTOR ARE 2SA1175/HFE/-T

■ System microprocessor section



*LIST

	R9096	R9099
UT, US, UP	68K	100K

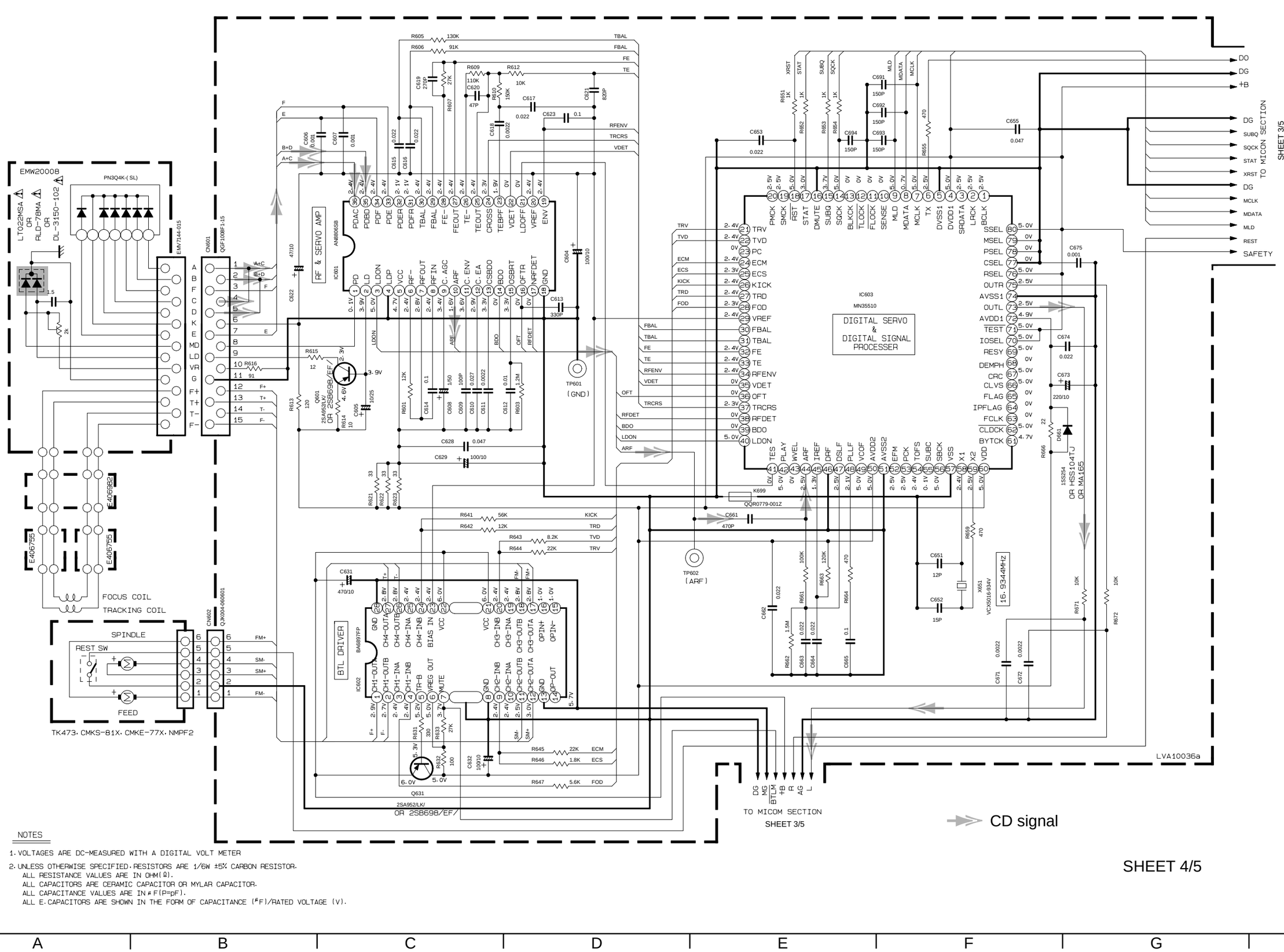
VERSION CODES
UT: TAIWAN US: SINGAPORE UP: ROK

D2508, D2509
BU SELU2E10
RD HLMF-KG02

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- CD STOP AT AC SUPPLY
   VOL:20 SOUND:FLAT BASS:1 ACS:ON
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 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).
   ALL DIODES ARE 1SS254-T2

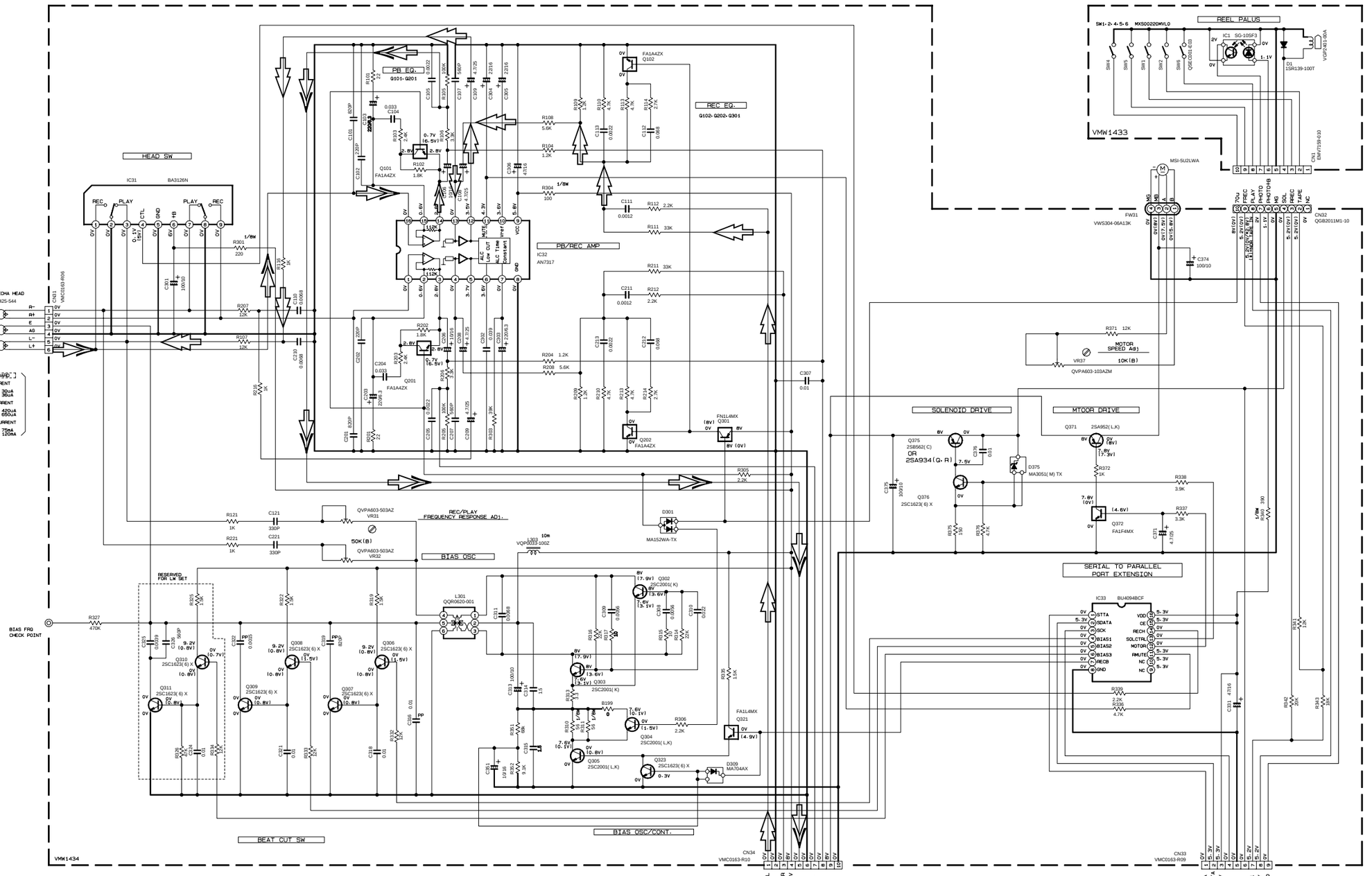
■ CD servo section



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 μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

■ Cassette amplifier section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION : MECHA STOP MODE

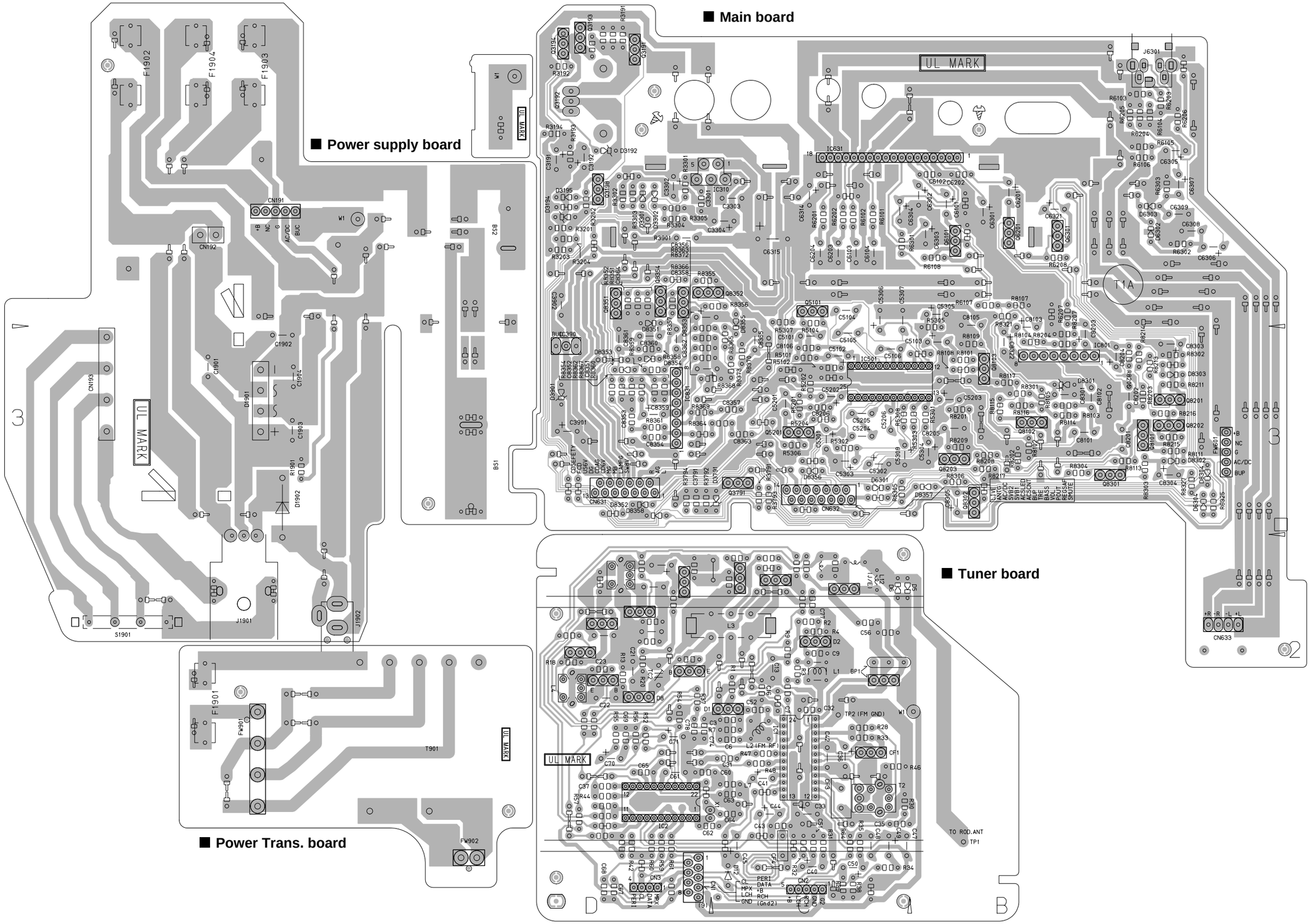
2. UNLESS OTHERWISE SPECIFIED · RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(p=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE / μF)/RATED VOLTAGE (V).
   POLYPROPYLENE CAPACITOR

PARTS	NAME	REF.NO
	FA1A4ZX	Q101·Q201 Q102·Q202
	FN1L4MX	Q301
	FA1L4MX	Q321
	FA1F4MX	Q371

TAPE P.B. signal
TAPE REC. signal

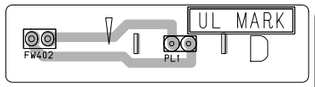
Printed circuit boards

■ Main board

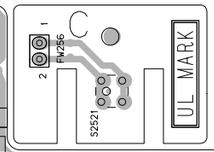


■ SYSTEM CONTROL BOARD Block No. 0 1

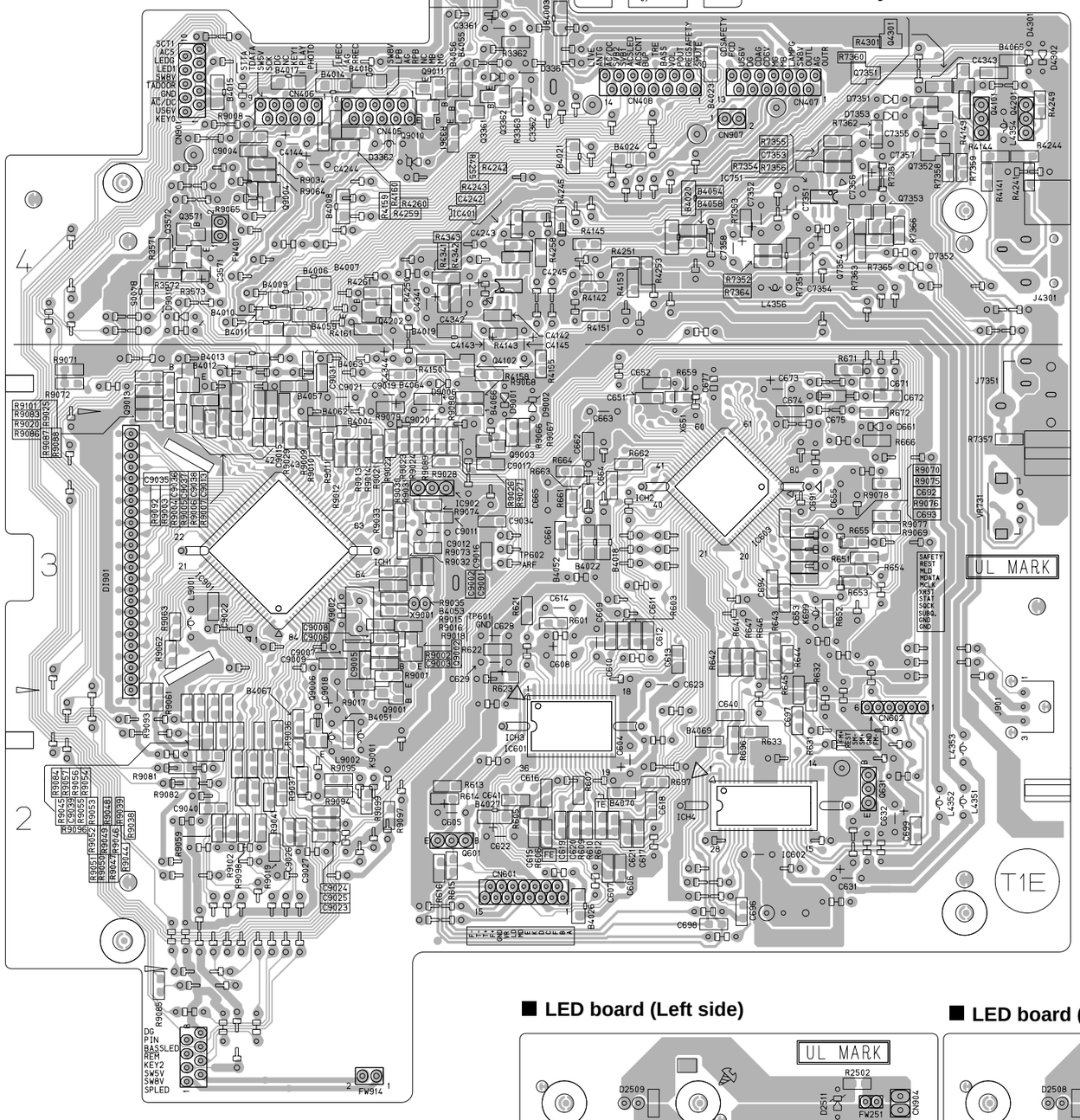
■ Lamp board



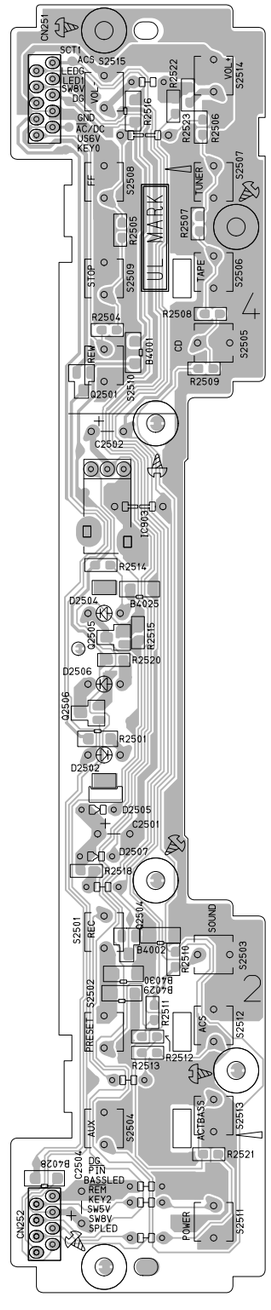
■ CD Door switch board



■ System control board

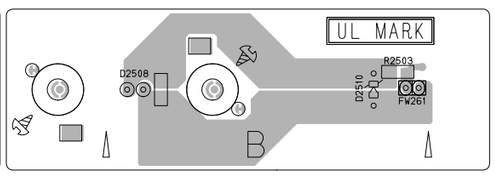


■ Key switch board

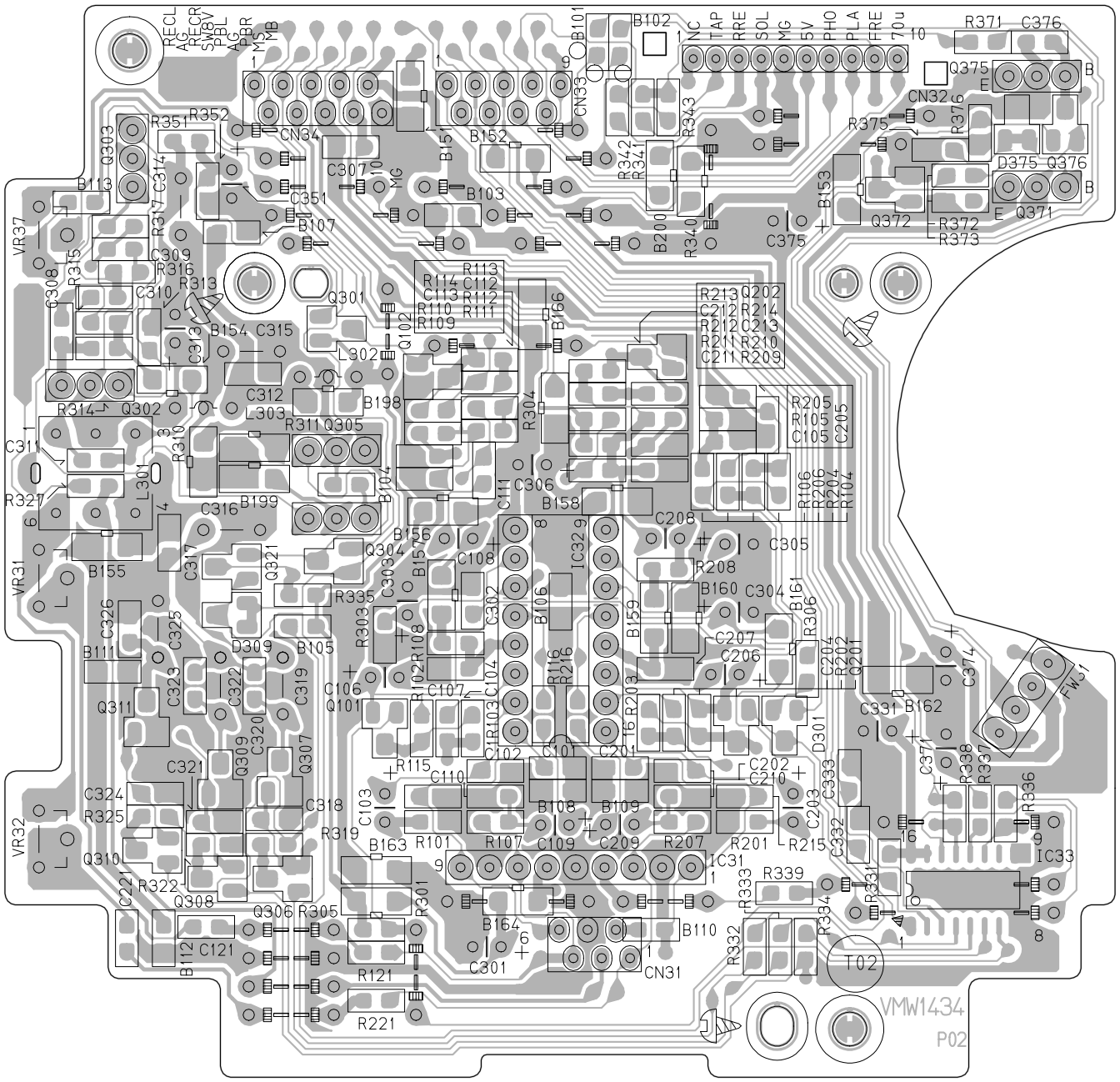


■ LED board (Left side)

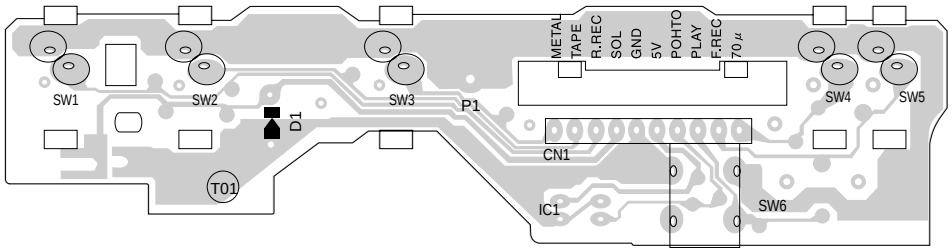
■ LED board (Right side)



■ Head amplifier & mechanism board



■ Cassette switch board



-MEMO-