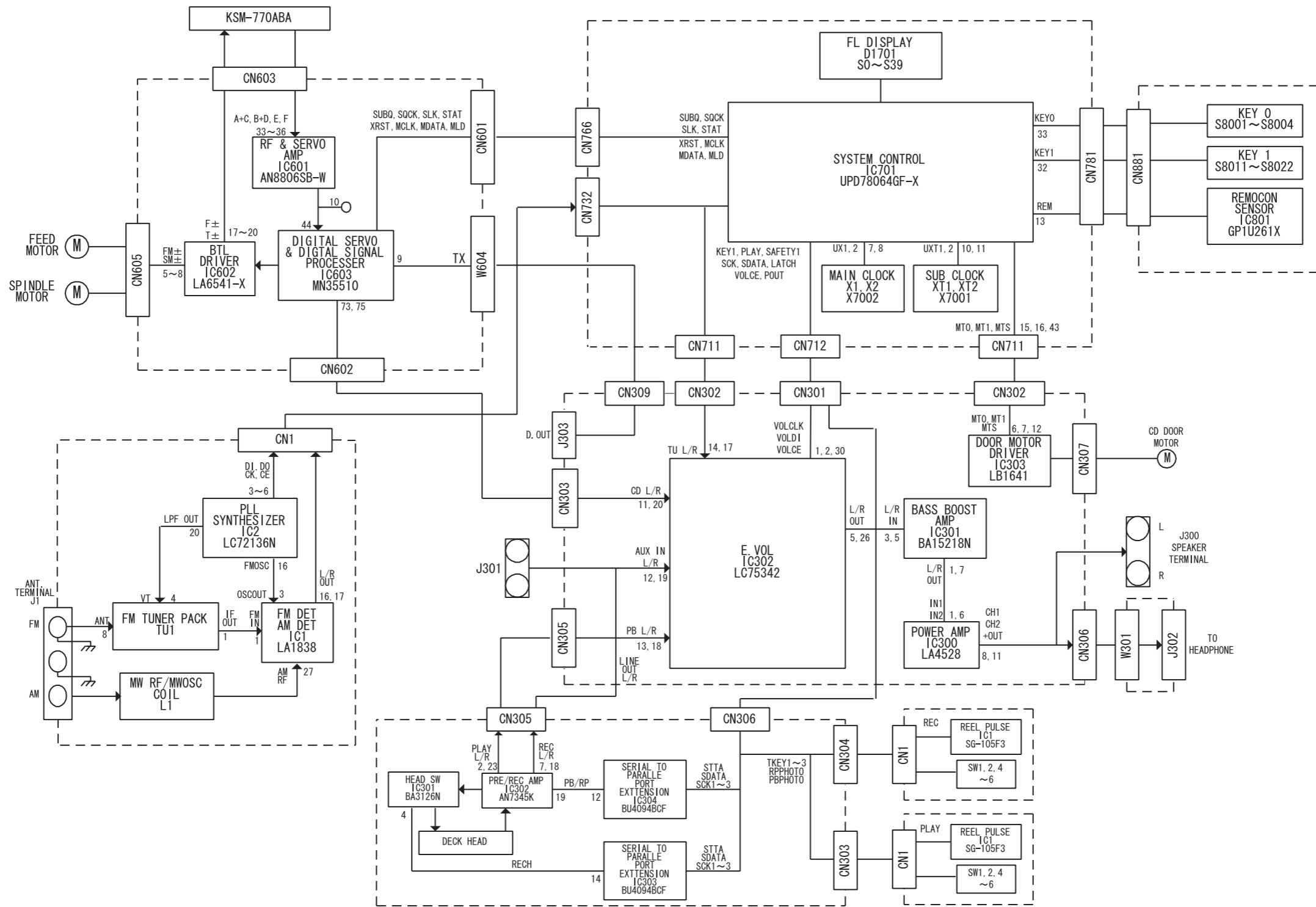
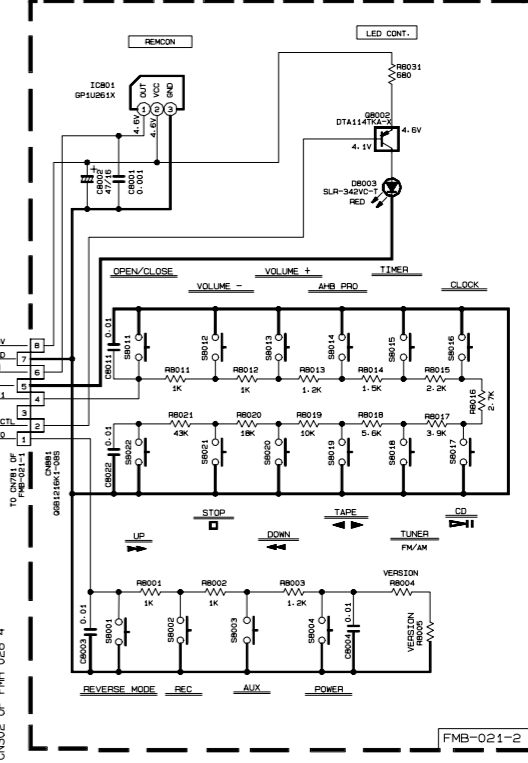
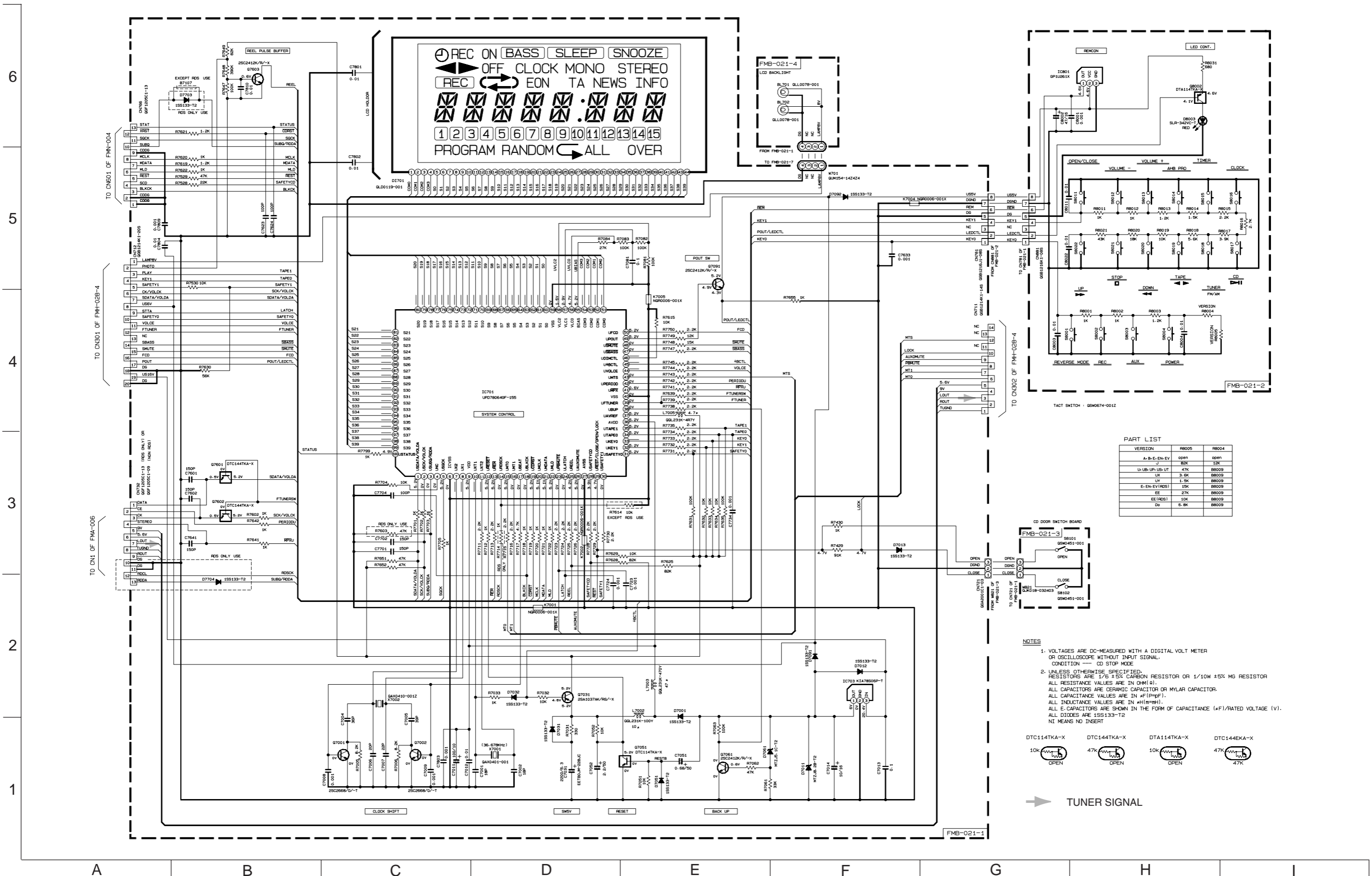


Block diagram



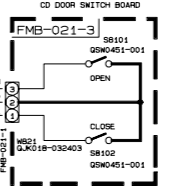
Standard schematic diagrams

■ CPU & LCD driver circuit (UX-V10)



PART LIST

VERSION	R8005	R8004
A-B-E-EN-EV	open	open
J	82K	12K
U-UB-UP-ULS-UT	47K	88009
IX	3.6K	88009
UY	1.5K	88009
E-EN-EV(HDS)	10K	88009
EE	27K	88009
EE(HDS)	10K	88009
Dc	6.8K	88009

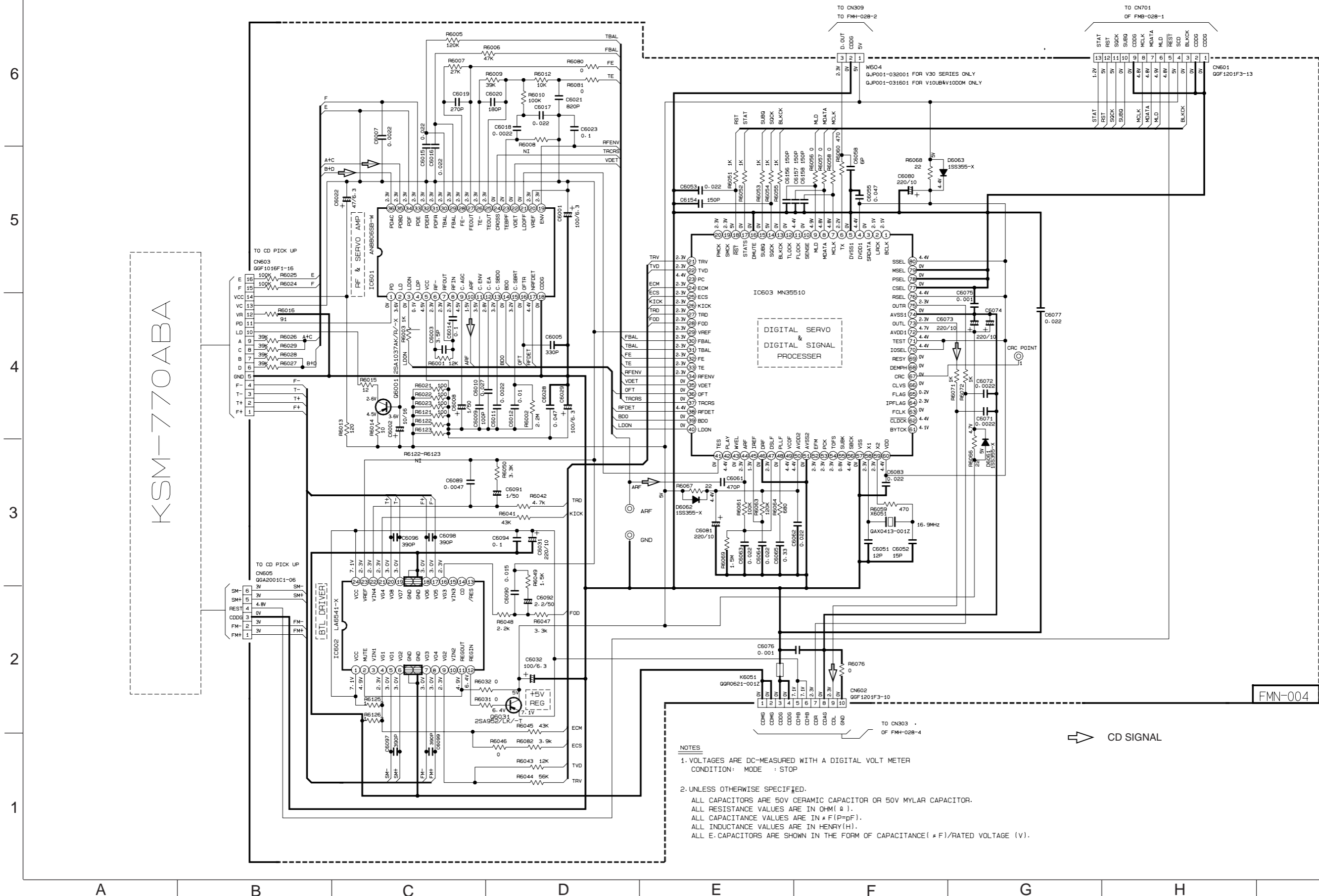


- NOTES**
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION — CD STOP MODE
 - UNLESS OTHERWISE SPECIFIED:
RESISTORS ARE 1/6 ±5% CARBON RESISTOR OR 1/10W ±5% MG RESISTOR
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN pF(pF).
ALL INDUCTANCE VALUES ARE IN μH(μH).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
ALL DIODES ARE 1S1533-T2
NI MEANS NO INSERT



➔ TUNER SIGNAL

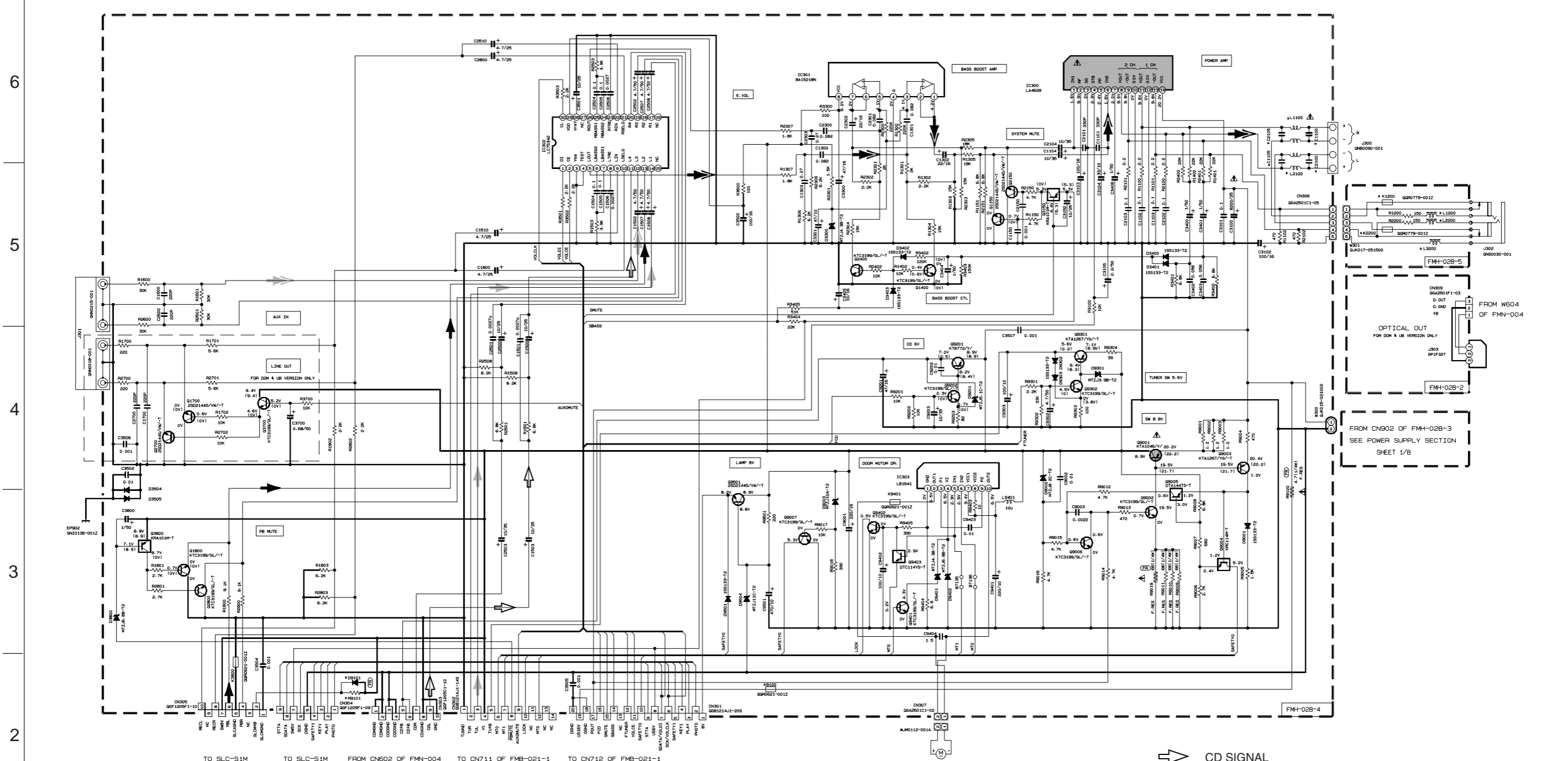
CD servo circuit (UX-V10)



- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
CONDITION: MODE : STOP
 2. UNLESS OTHERWISE SPECIFIED.
ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN pF(P=pF).
ALL INDUCTANCE VALUES ARE IN HENRY(H).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).

CD SIGNAL

Power amplifier circuit (UX-V10)

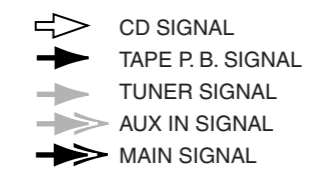


*** PART LIST**

MODEL	PART	VERSION	L1900/2000/2000	R1200/2000	C1105/2105	L1100	L2100	C1100/2100	D9101	R9101
B/E/EE/EN/EV/A	02L231K-470V	09R0779-001Z	2000	09R0797-001	09R0797-001	0.0033u	NONE	5.612/4W F-RES		
DOM	87128/7130/7131	87128/7130	NONE	87208/7209	87211/7212	NONE	19R05-400A-T5	NONE		
U/C	87128/7130/7131	87128/7130	NONE	87208/7209	87211/7212	NONE	19R05-400A-T5	NONE		
U/LU/UB/UT/U/LU/UY	87128/7130/7131	87128/7130	NONE	87208/7209	87211/7212	NONE	19R05-400A-T5	NONE		
LP	87128/7130/7131	87128/7130	NONE	87208/7209	87211/7212	NONE	19R05-400A-T5	NONE		

⚠ 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 MODE
INSIDE BRACKET VALUES ARE OTHER FUNCTIONS
 - UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/8W ± 5% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN PICO(F) (pF).
ALL CAPACITANCE VALUES ARE IN MICRO(M) (μF).
ALL INDUCTANCE VALUES ARE IN MILLI(M) (mH).
ALL S-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
ALL DIODES(DiV, Name: 1S5133-12)

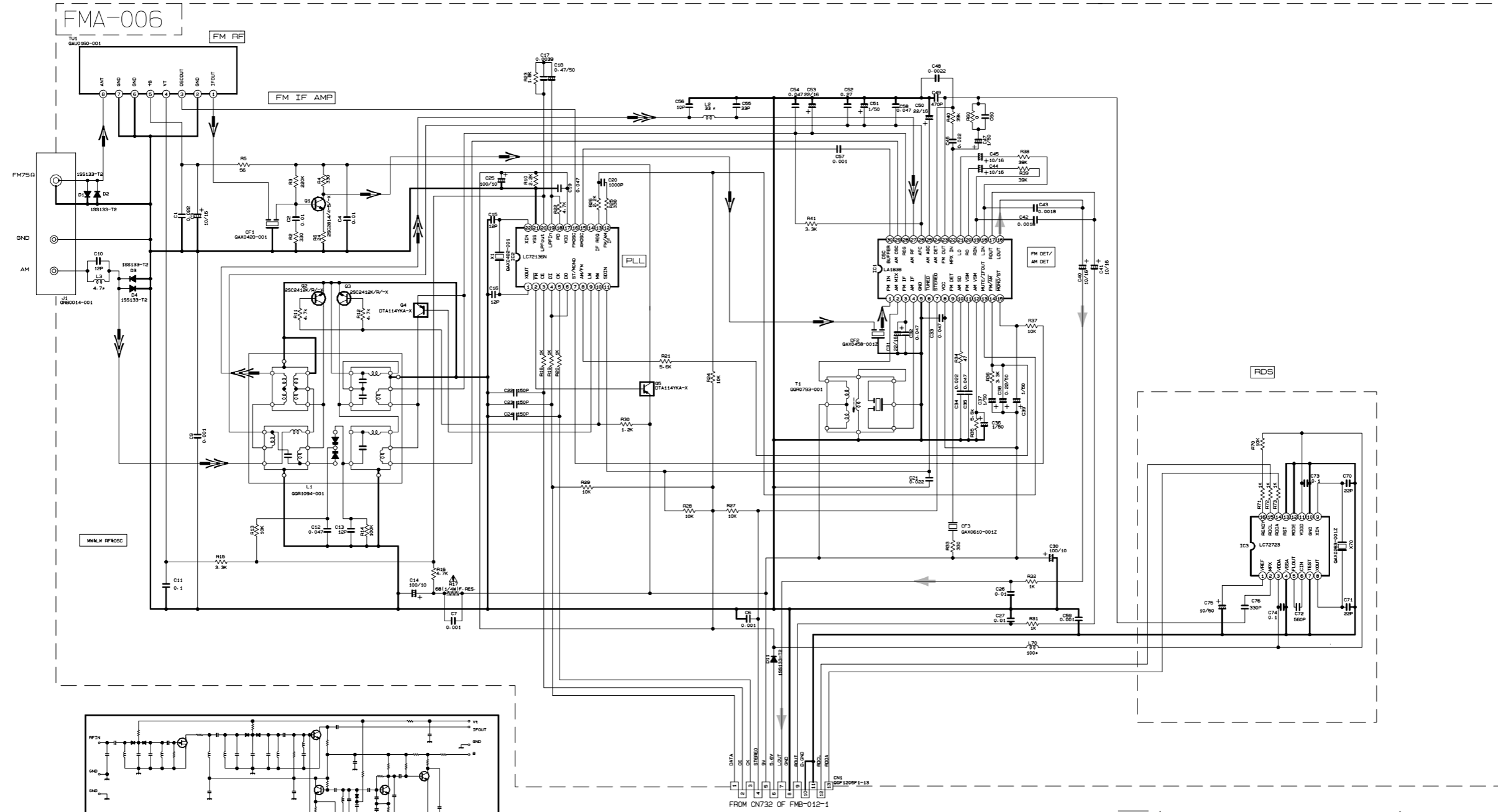


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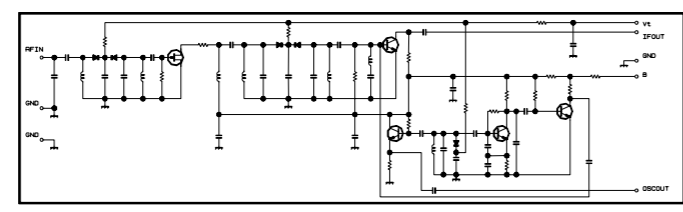
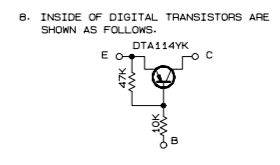
A B C D E F G H I

■ Tuner circuit (UX-V10 B/E/EN)

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- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
 2. ALL RESISTORS ARE 1/8W ±5% METAL GLAZE RESISTOR.
 3. ALL RESISTANCE VALUES ARE IN Ω(M).
 4. ALL CAPACITANCE VALUES ARE IN *F(P=PF).
 5. ALL E. CAPASITORS ARE SHOWN IN THE FORM OF CAPASITANCE (*F)/RATED VOLTAGE (V).
 6. SI DIODES (D) ARE ALL 1SS133-T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104J.
 7. PARTS NO. OF TRANSISTORS ARE AS FOLLOWS:
Q1 Q2 2SC2814/4-5/-X Q3-Q4 2SC2412K/R/-X Q5-Q6 DTA114YKA-X

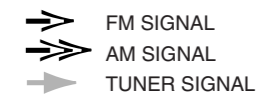


CONDITION	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
IC1	FM NO SIGNAL	3.6	8.9	3.6	3.6	0	5.0	5.0	8.9	8.9	1.3	0.1	0	0.9	7.8	7.8	4.3	4.3	4.3	3.4	3.4	2.8	3.4	0	0	3.5	3.5	3.6	3.6	2.7	
	FM 60dB STEREO	3.6	8.9	3.6	3.6	0	5.0	5.0	8.9	8.9	1.3	4.3	0	0.9	7.8	7.8	4.3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

T ⁿ NO.	Q1			Q5		
PIN NO.	E	C	B	E	C	B
FM 87.5MHz NO SIGNAL	0	7.1	0.895	6.9	6.8	0
AM 52KHz NO SIGNAL	0	0	0	9.0	0	6.9

T ⁿ NO.	Q2			Q3			Q4		
PIN NO.	E	C	B	E	C	B	E	C	B
AM 52KHz 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

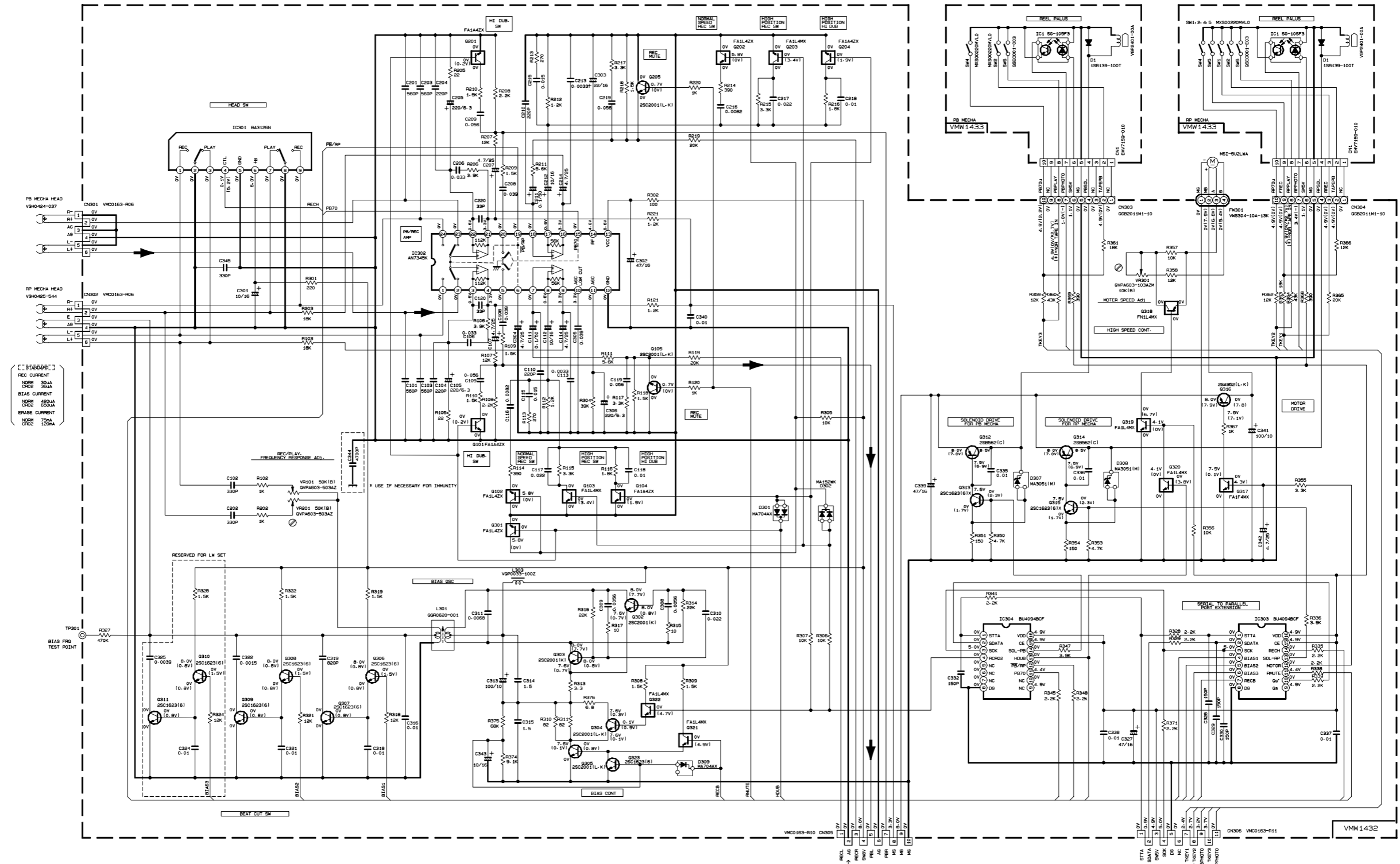
▲ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.



A B C D E F G H I

■ Cassette mecha control circuit (UX-V10)

CASSETTE MECHA CONTROL CIRCUIT [SLC]



- [[STANDARD]]
- REC CURRENT NORM 300A
 - CROSS 300A
 - BIAS CURRENT NORM 4800A
 - CROSS 6500A
 - ERASE CURRENT NORM 750A
 - CROSS 1500A

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. () IS INVERT MODE
2. UNLESS OTHERWISE SPECIFIED
- ALL RESISTANCE VALUES ARE IN OHM(Ω).
- ALL CAPACITORS ARE CERAMIC CAPACITOR
- ALL CAPACITANCE VALUES ARE IN μF(PF).
- ALL INDUCTANCE VALUES ARE IN μH(MPH).
- ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
- ≡ PLYPROPYLENE CAPACITOR

TABLE 1. DIGITAL TR LIST

PART-NO	CONSTRUCTION	REF. NO	CONSTRUCTION	REF. NO
FN1L4K		Q318	FA1F4K	Q317
FA1A4Z		G101/G201	FA1L4K	G103/G203
FA1L4Z		G104/G204	Q319	Q320/Q321/Q322
		G102/G202		
		Q301		

FROM PRE-AMP CIRCUIT

FROM CN305 OF FMH-028-4

FROM MICOM THRU MAIN BOARD

FROM CN304 OF FMH-028-4

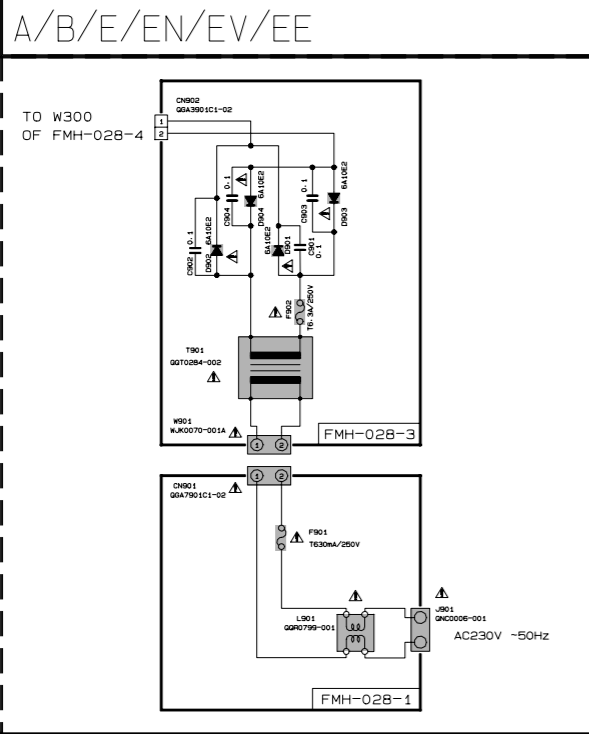
TEPE P.B. SIGNAL

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A B C D E F G H I

■ Power supply circuit (UX-V10)

POWER SUPPLY BLOCK



EXPLANATION OF OVERALL OF SCHEMATIC		
MODEL : FS-V10/UX-V10/UX-V20R		
SHEET NUMBER	MODEL NUMBERS TO BE APPLIED	CIRCUITS DESCRIPTION
1/B	FS-V10/UX-V10/UX-V20R	. PRIMARY WITH MAINS TRANSFORMER
2/B	FS-V10/UX-V10/UX-V20R	. DC REGULATORS/AUDIO OUTPUT . EXTERNAL INPUT. SOURCE SELECTOR SWITCH
3/B	FS-V10/UX-V10/UX-V20R	. LCD DISPLAY/SYSTEM CONTROL/USERS KEY CONTROL
4/B	FS-V10/UX-V10/UX-V20R	. CD SERVO AND CD SYSTEM CONTROL . CD CHANGER MECHANISM CONTROL
5/B	FS-V10/UX-V10/UX-V20R	. TAPE DECK MECHANISM CONTROL . TAPE CIRCUITS SUCH AS PRE-AMP AND BIAS
6/B	FS-V10/UX-V10	. TUNER RF/IF/FM MULTIPLEX (ONLY FOR J, C, U, UP, UR, US, UT, UV, UX, UY, A, DDM)
7/B	UX-V10/UX-V20R	. TUNER RF/IF/FM MULTIPLEX (ONLY FOR B, E, EN, EV)
8/B	UX-V10/UX-V20R	. TUNER RF/IF/FM MULTIPLEX (ONLY FOR EE)

NOTE : MARK(*) IS TO SHOW DEVIATION IN VERSIONS. DETAILS ARE EXPLAINED NEAR MARK.

VERSION CODES	
J	.U.S.A.
B	.U.K
E	.CONTINENTAL EUROPE
EE	.RUSSIA
EN	.NORDIC COUNTRIES
EV	.EASTERN EUROPE
A	.AUSTRALIA
UP	.KOREA
US	.SINGAPORE
UT	.TAIWAN
UX	.SAUDI ARABIA
UY	.ARGENTINA
UB	.HONG KONG
U	.UNIVERSIAL EXCEPT ALL OF ABOVE

NOTES

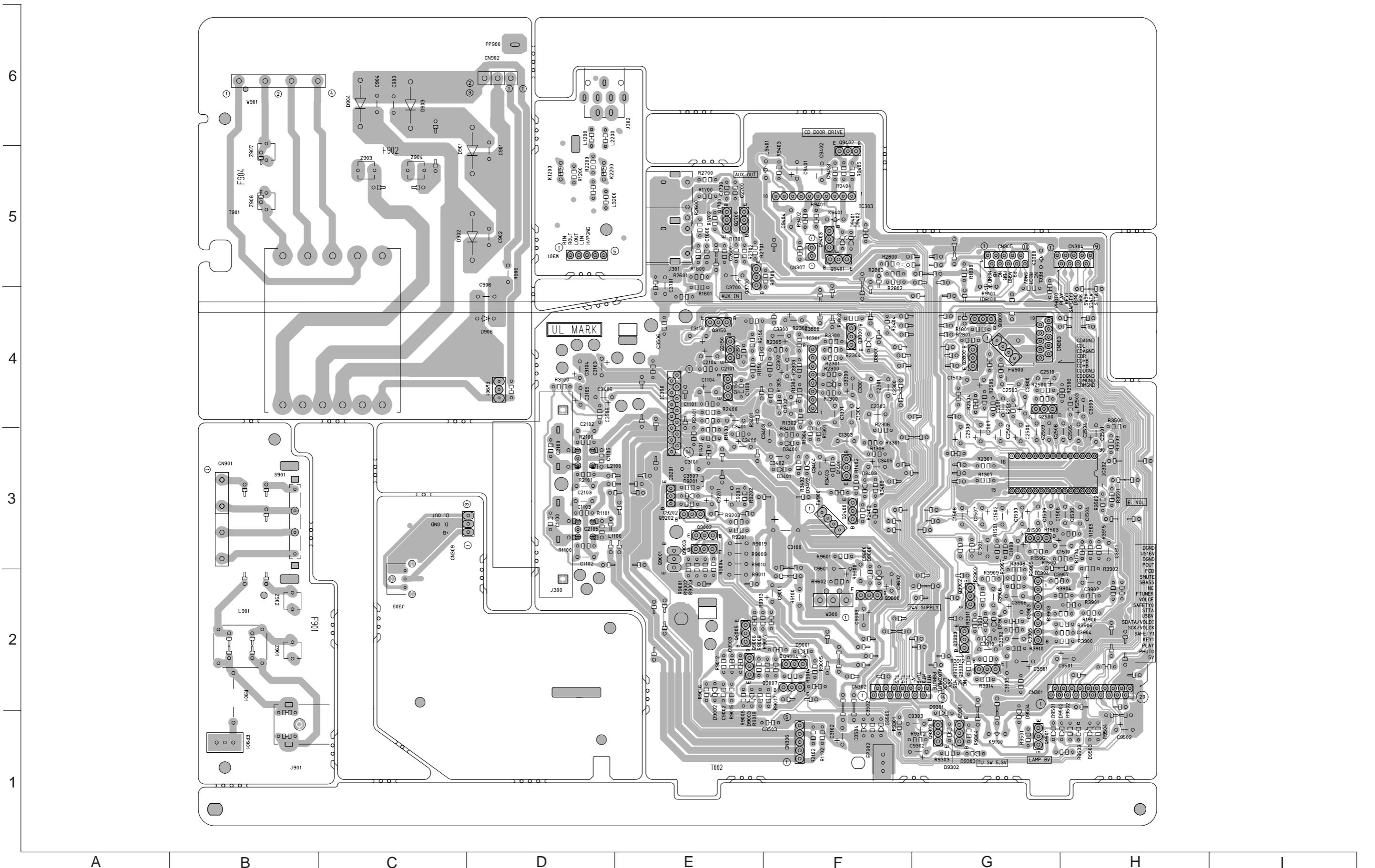
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- CD STOP MODE INSIDE BRACKET VALUES ARE OTHER FUNCTIONS
- UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/6W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN *F(P=pF). ALL INDUCTANCE VALUES ARE IN *H(m=mH). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (*F)/RATED VOLTAGE (V). ALL DIODES(Dev. Name: 1SS133-T2)



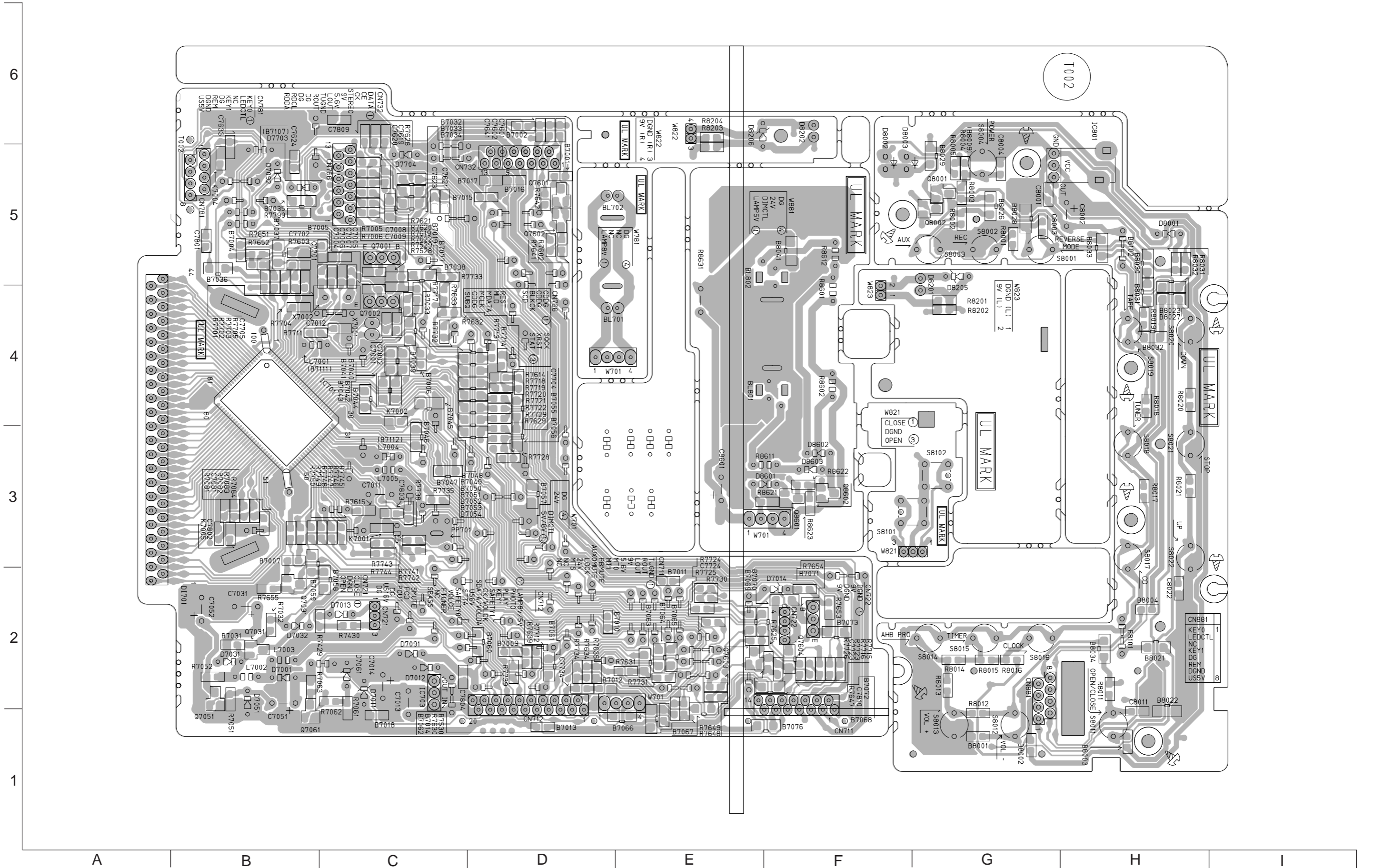
▲ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

Printed circuit boards

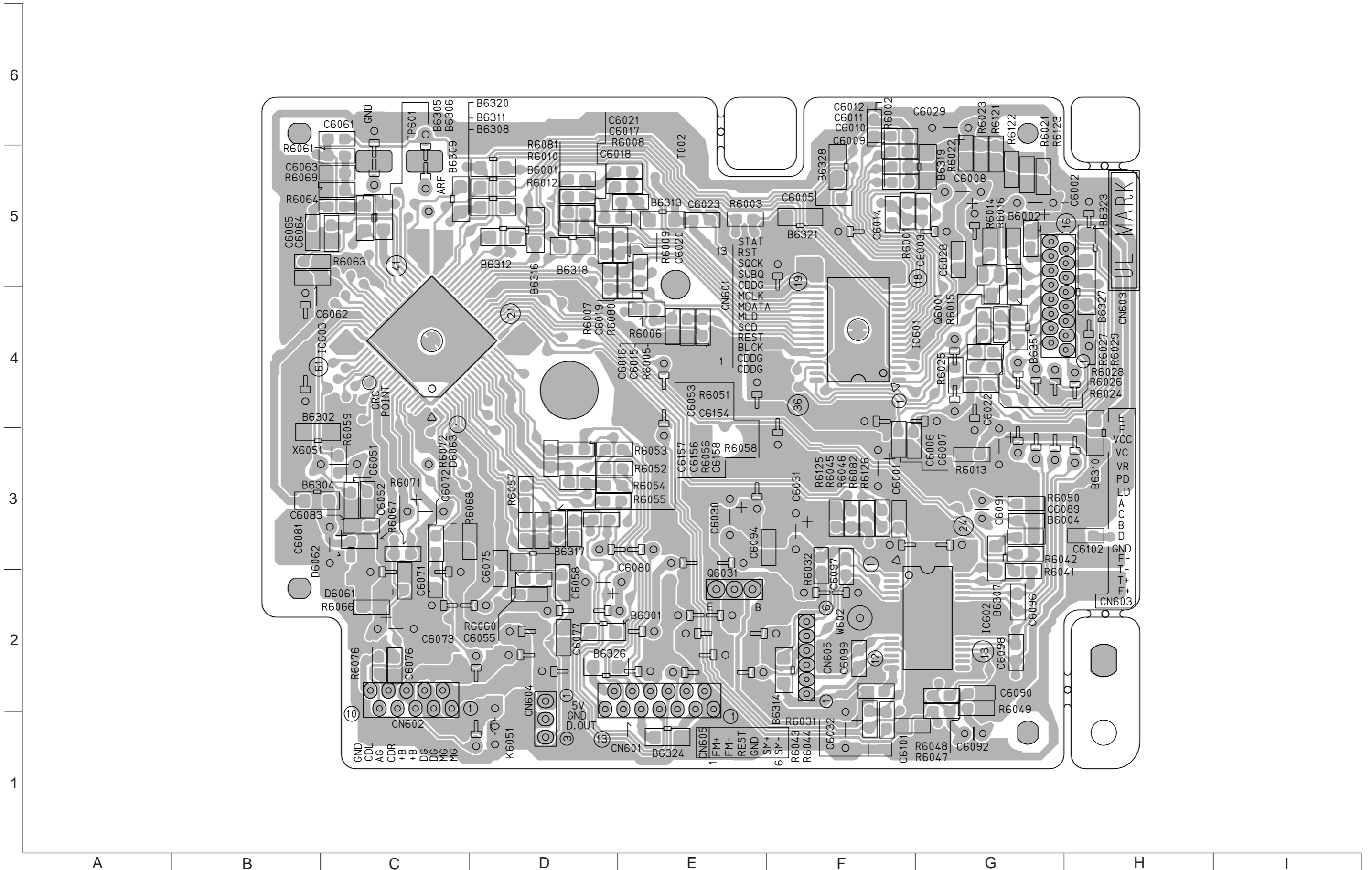
■ Main board



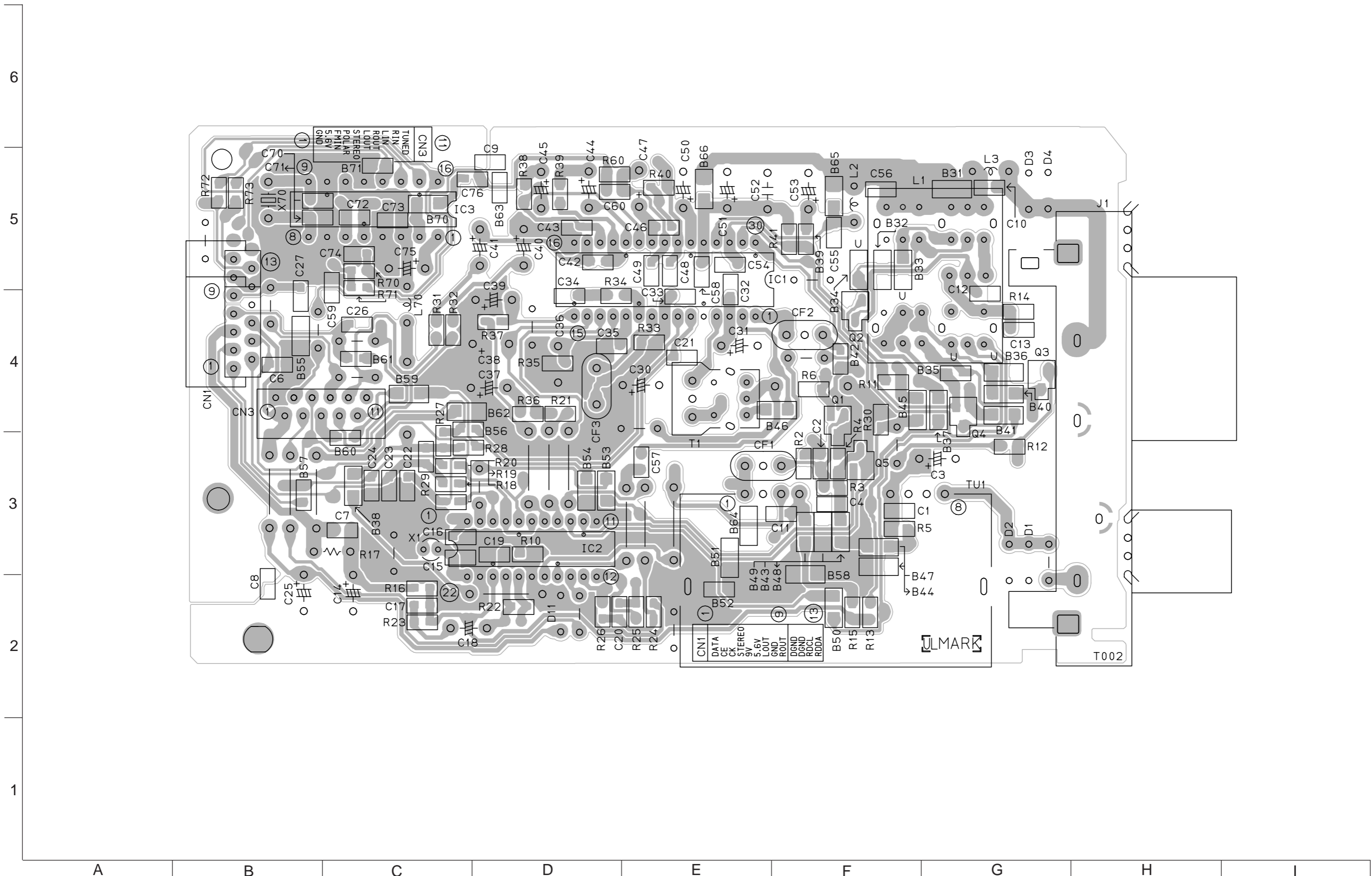
■ Micon P. C. board



■ CD board



■ Tuner P.W.B



<<MEMO>>