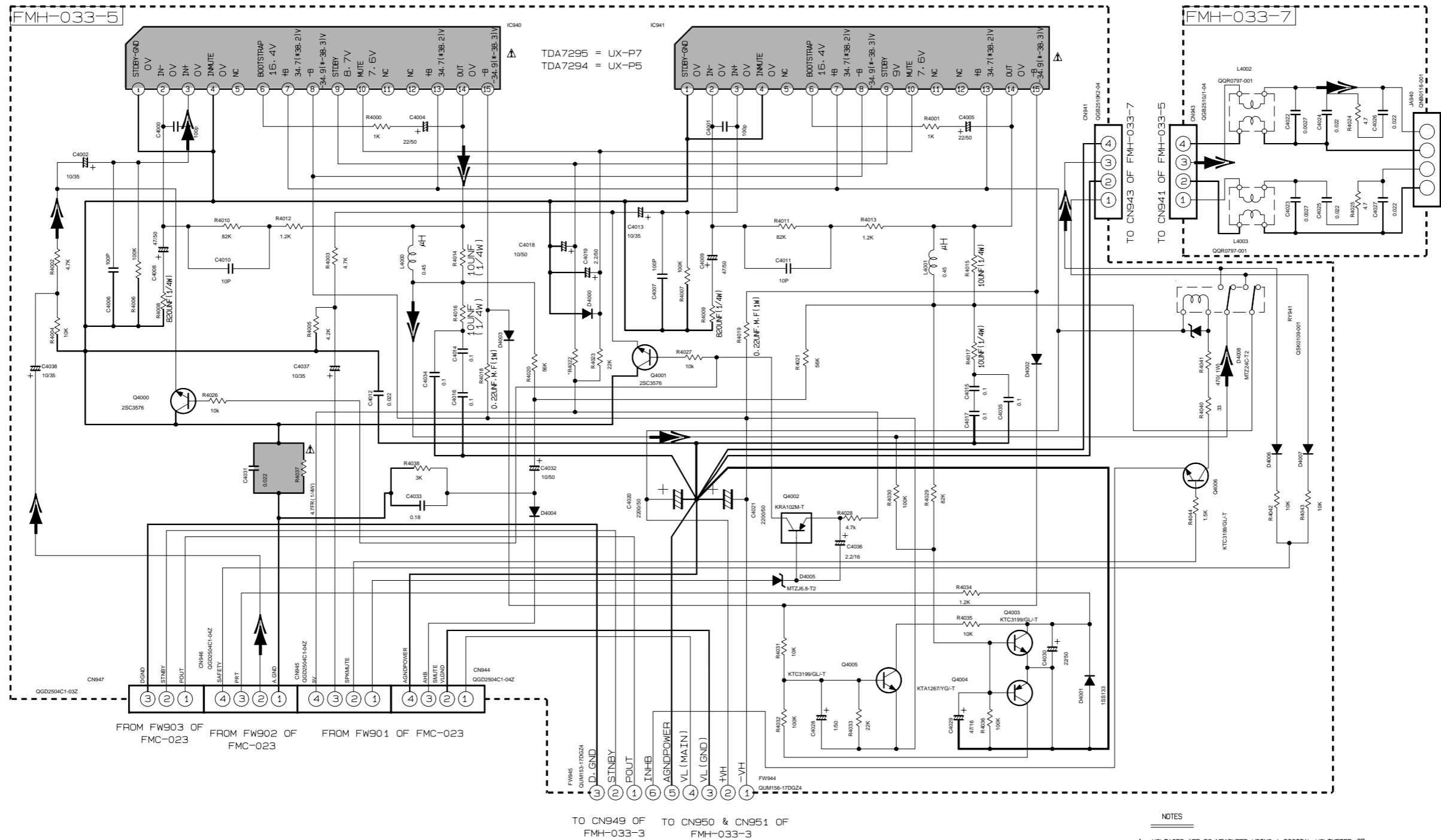


Subwoofer circuit



VERSION	FW945	CN947	R4022	C4034	C4035	L4002	L4003	C4022	C4023	C4024	C4025	R4024	R4025	C4026	C4027	C4014	C4015	C4016	C4017
J	X	X	10K	0	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X
UF/UN/UP/US/ UT/UW/UX/UY	X	X	1K	X	X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B/E/EN/EV/EE/UB	0	0	1K	X	X	0	0	0	0	0	0	0	0	0	0	0	0	0	0

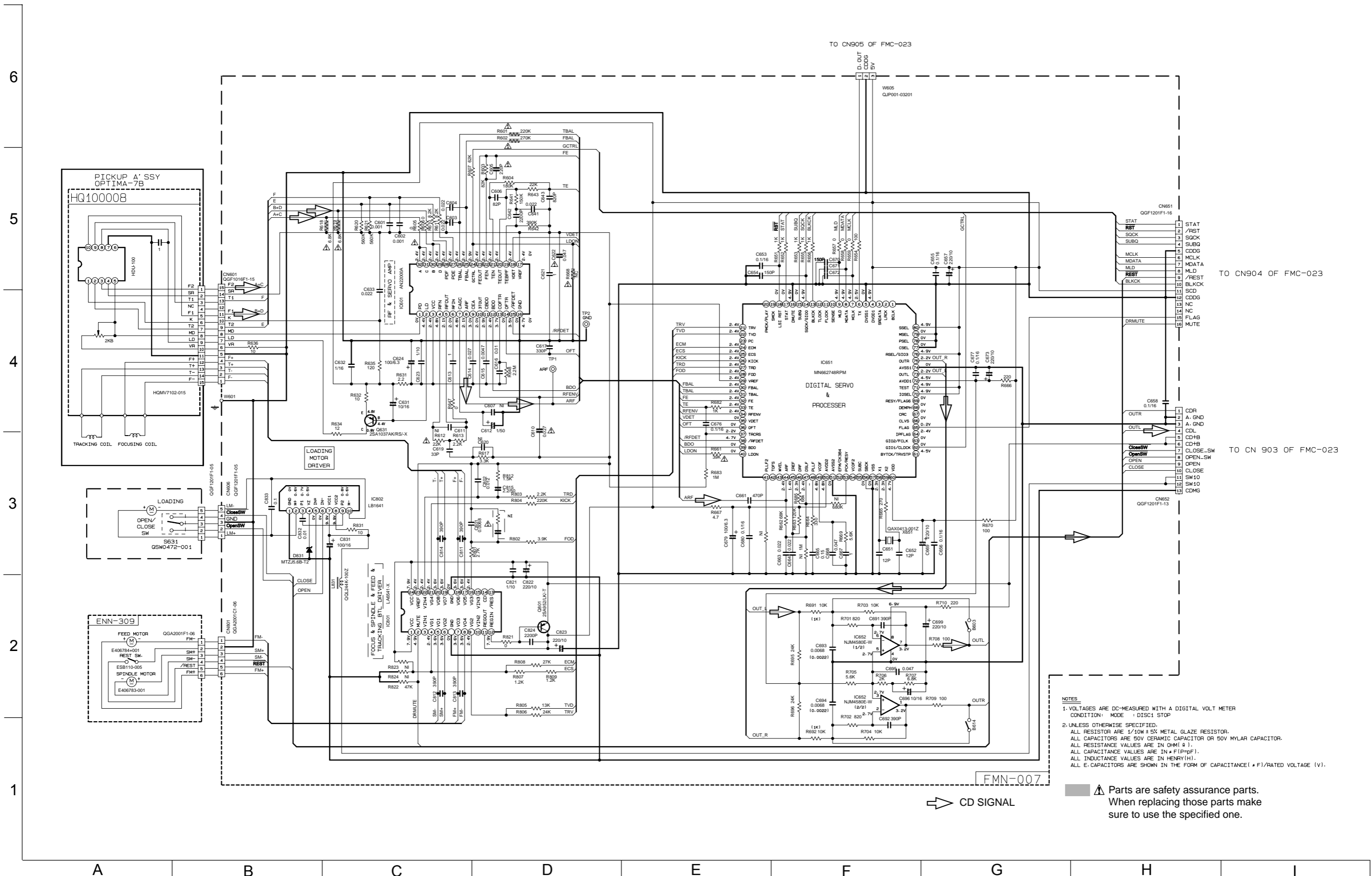
0 = USED
X = NOT USED

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

- NOTES
- VOLTAGES ARE DC-MEASURED USING A DIGITAL VOLTMETER OR AN OSCILLOSCOPE WITHOUT INPUT SIGNAL CONDITION
 - UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE 1/6W ± 5% CARBON RESISTOR. ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR. 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). ALL DIODES ARE 1SS133-T7 TYPE UNLESS SPECIFIED. POLYPROPYLENE CAPACITOR 50V ± 5% MYLAR CAPACITOR OR 50V ± 5% THIN FILM CAPACITOR
 - THOSE PART WITH BRACKET IS NOT USED. FOR RESISTOR-IT WOULD BE A SHORT. FOR CAPACITOR-IT WOULD BE AN OPEN.

MAIN SIGNAL

CD servo circuit



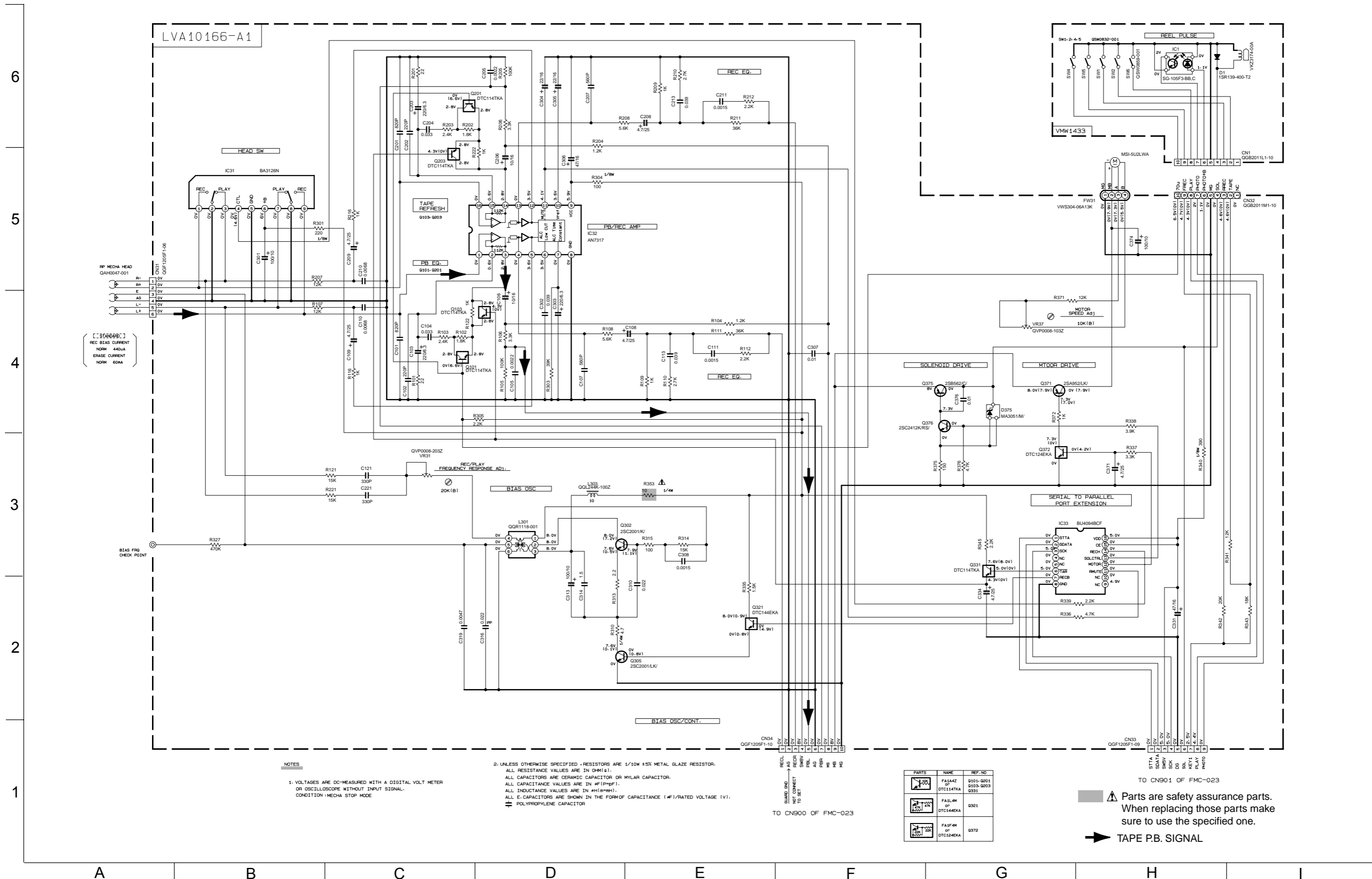
- NOTES**
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
CONDITION: MODE : DISC1 STOP
 2. UNLESS OTHERWISE SPECIFIED:
ALL RESISTOR ARE 1/10W ± 5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM (Ω).
ALL CAPACITANCE VALUES ARE IN PICO (pF).
ALL INDUCTANCE VALUES ARE IN HENRY (H).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

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

➡ CD SIGNAL

A B C D E F G H I

■ Cassette amplifier circuit



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 #F(10⁻⁶PF). ALL INDUCTANCE VALUES ARE IN #H(MH). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#F/RATED VOLTAGE (V)). POLYPROPYLENE CAPACITOR

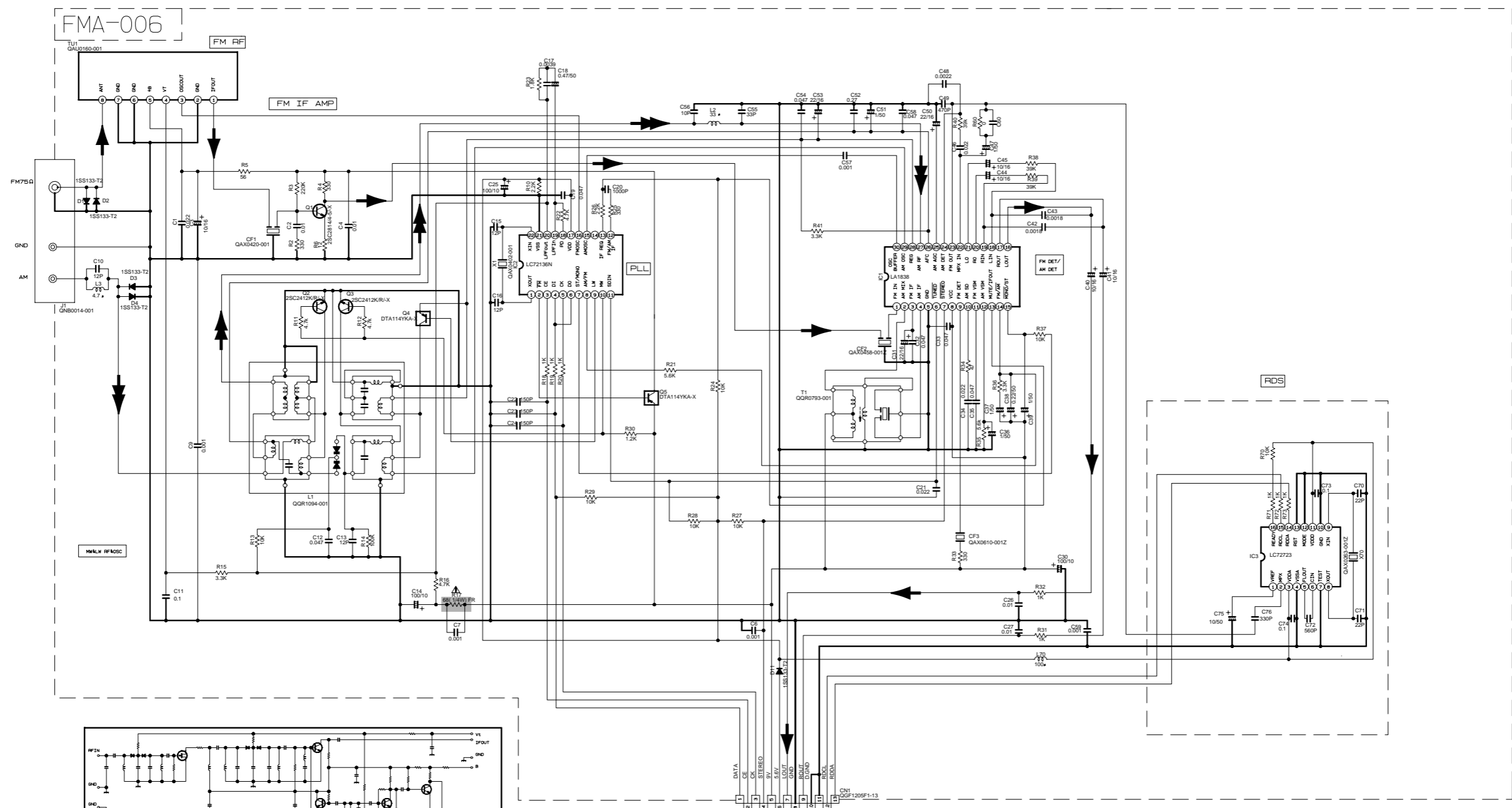
PARTS	NAME	REF. NO
	FA1A4Z 51T DTC114TKA	G101, G201 G103, G203 G331
	FA1F4H 51T DTC144EKA	G321
	FA1F4H 51T DTC124EKA	G372

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

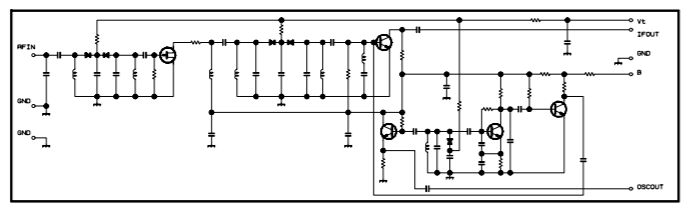
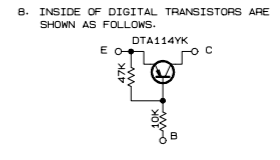
▶ TAPE P.B. SIGNAL

■ Tuner circuit (E)

6
5
4
3
2
1



- 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 OHM(Ω).
 4. ALL CAPASITANCE VALUES ARE IN *F(P=pF).
 5. ALL E-CAPASITORS ARE SHOWN IN THE FORM OF CAPASITANCE (*F)/RATED VOLTAGE (V).
 6. SI DIODES (D1-D4) ARE ALL 1SS133-T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA16S OR HSS104J.
 7. PARTS NO. OF TRANSISTORS ARE AS FOLLOWS.
 Q1 2SC2814/4-5/-X Q2-Q3 2SC2412K/R/-X
 Q4-Q5 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	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	4.3	3.4	3.4	2.8	3.4	0	0	3.5	3.5	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	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								

Tr. NO.	G1				G5				
PIN NO.	E	C	B	E	C	B	E	C	B
FM 87.5MHz NO SIGNAL	0	7.1	0.85	8.9	8.8	0			
AM 52KHz NO SIGNAL	0	0	0	9.0	0	8.9			

Tr. NO.	G2			G3			G4		
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

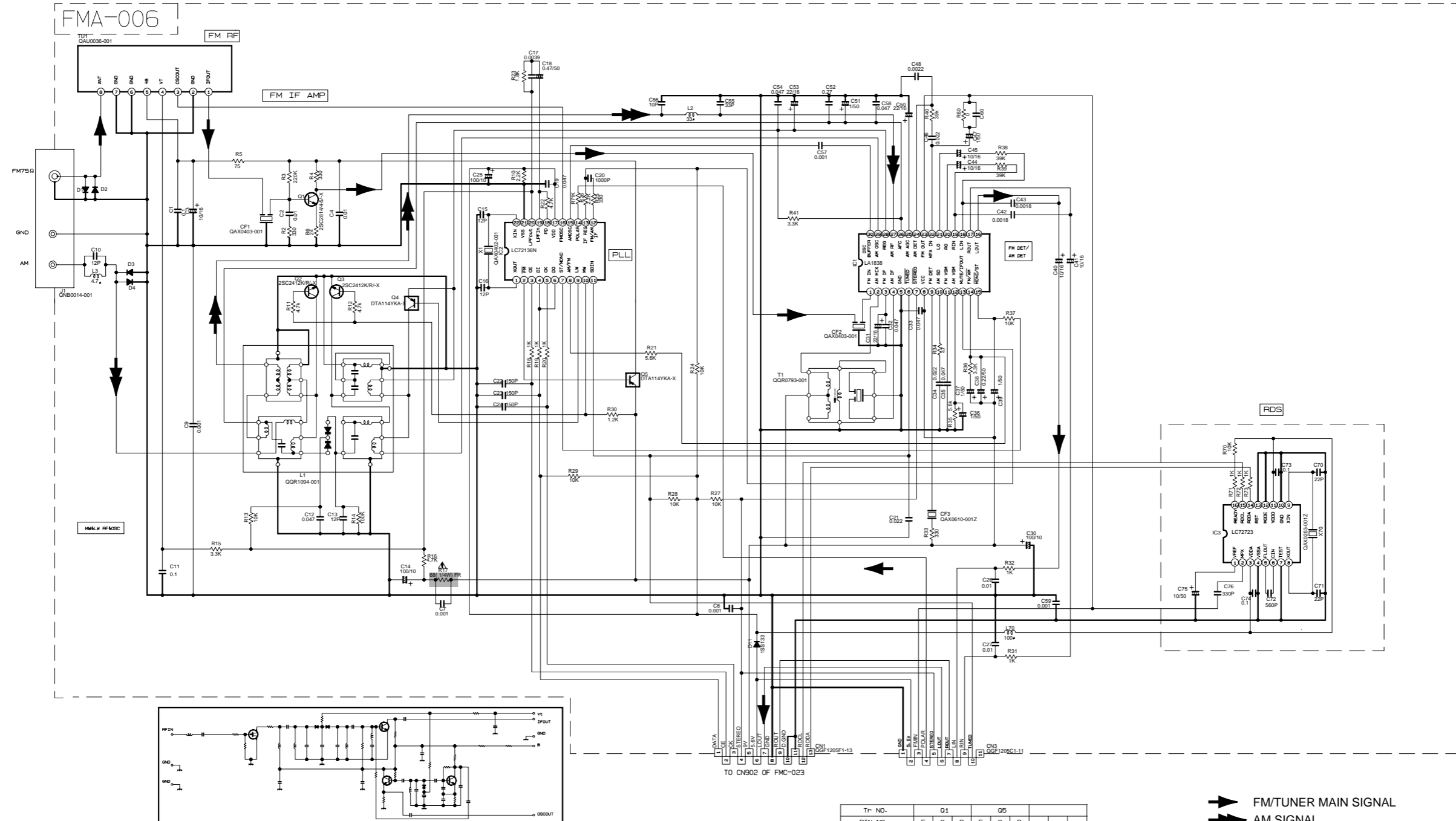
➡ FM/TUNER MAIN SIGNAL
 ➡ AM SIGNAL

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

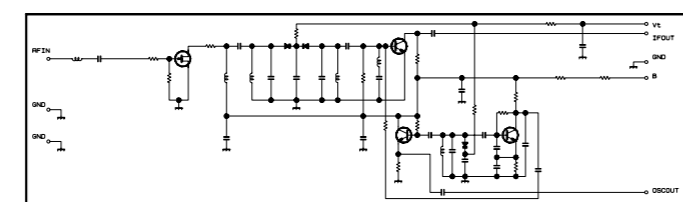
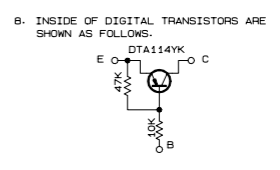
A B C D E F G H I

Tuner circuit (EE)

6
5
4
3
2
1



- 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 OHM(Ω).
 4. ALL CAPASITANCE 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 2SC2814/4-5/-X Q2-Q3 2SC2412K/R/-X
Q4-Q5 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	8.9	8.9	1.3	0.1	0	0.9	7.8	7.8	4.3	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
	FM 600B STEREO	3.6	8.9	3.6	3.6	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	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	0.9	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	2.5	5.1	0.9	0.9	3.8	0	2.3									

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 52KHz NO SIGNAL	0	0	0	9.0	0	8.9

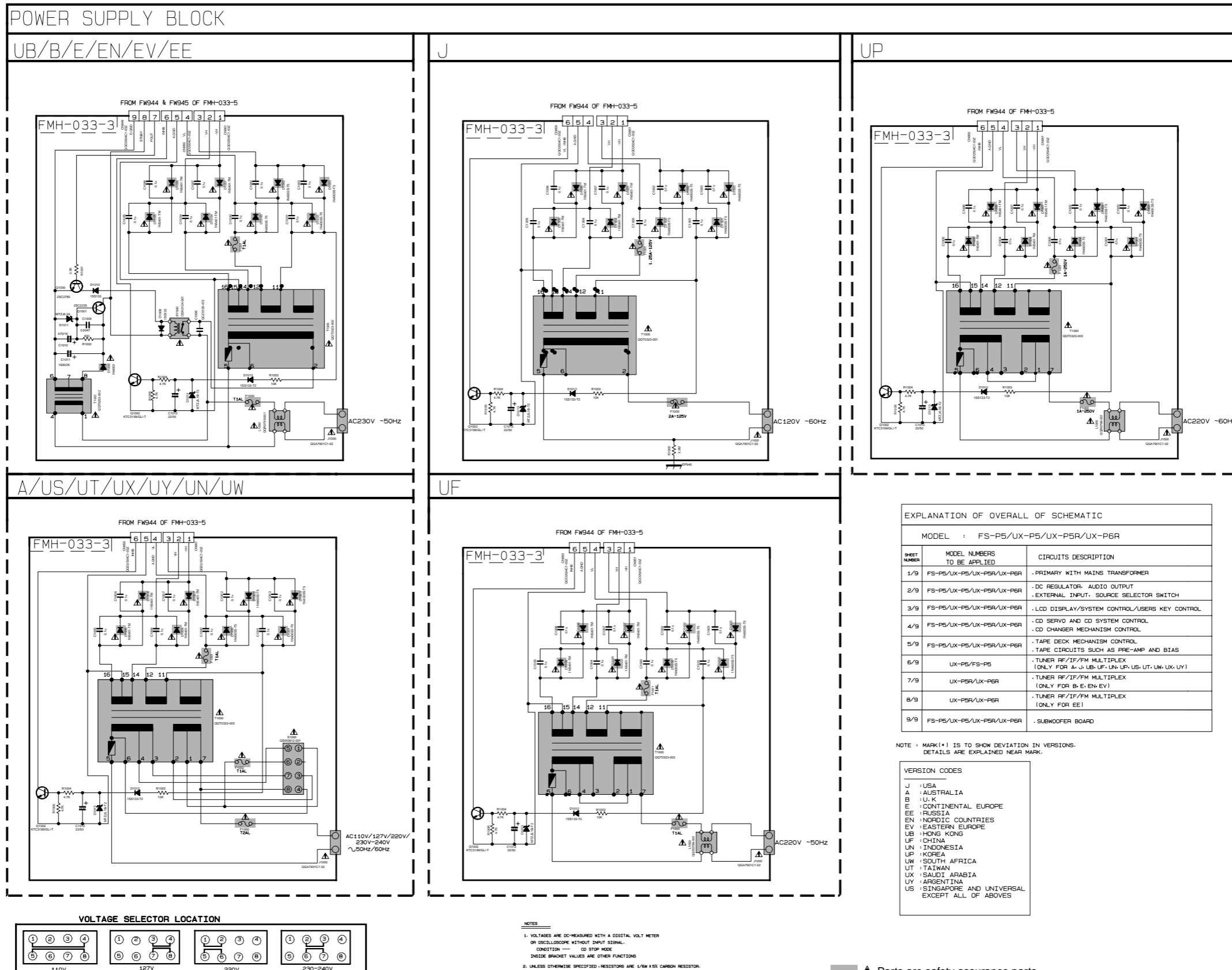
Tr. NO.	Q2			Q3			Q4		
PIN NO.	E	C	B	E	C	B	E	C	B
AM 52KHz NO SIGNAL	0	0	0.7	0	0	0.7	0	3.6	0.7
AM 144KHz NO SIGNAL	0	0	0.3	0	0.3	0.3	3.6	3.6	3.6

FM/TUNER MAIN SIGNAL
 AM SIGNAL

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

Power supply circuit



EXPLANATION OF OVERALL OF SCHEMATIC

MODEL : FS-P5/UX-P5/UX-P5R/UX-P6R

SHEET NUMBER	MODEL NUMBERS TO BE APPLIED	CIRCUITS DESCRIPTION
1/9	FS-P5/UX-P5/UX-P5R/UX-P6R	. PRIMARY WITH MAINS TRANSFORMER
2/9	FS-P5/UX-P5/UX-P5R/UX-P6R	. DC REGULATOR, AUDIO OUTPUT, EXTERNAL INPUT, SOURCE SELECTOR SWITCH
3/9	FS-P5/UX-P5/UX-P5R/UX-P6R	. LCD DISPLAY/SYSTEM CONTROL/USERS KEY CONTROL
4/9	FS-P5/UX-P5/UX-P5R/UX-P6R	. CD SERVO AND CD SYSTEM CONTROL, CD CHANGER MECHANISM CONTROL
5/9	FS-P5/UX-P5/UX-P5R/UX-P6R	. TAPE DECK MECHANISM CONTROL, TAPE CIRCUITS SUCH AS PRE-AMP AND BIAS
6/9	UX-P5/FS-P5	. TUNER RF/IF/FM MULTIPLEX (ONLY FOR A, J, UB, UF, UN, UP, US, UT, UW, UX, UY)
7/9	UX-P5R/UX-P6R	. TUNER RF/IF/FM MULTIPLEX (ONLY FOR B, E, EN, EE)
8/9	UX-P5R/UX-P6R	. TUNER RF/IF/FM MULTIPLEX (ONLY FOR EE)
9/9	FS-P5/UX-P5/UX-P5R/UX-P6R	. SUBWOOFER BOARD

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

VERSION CODES

J	: USA
A	: AUSTRALIA
B	: U.K
E	: CONTINENTAL EUROPE
EE	: RUSSIA
EN	: INDRIC COUNTRIES
EV	: EASTERN EUROPE
UB	: HONG KONG
UF	: CHINA
UN	: INDONESIA
UP	: KOREA
UW	: SOUTH AFRICA
UT	: TAIWAN
UX	: SAUDI ARABIA
UY	: ARGENTINA
US	: SINGAPORE AND UNIVERSAL EXCEPT ALL OF ABOVE

NOTES

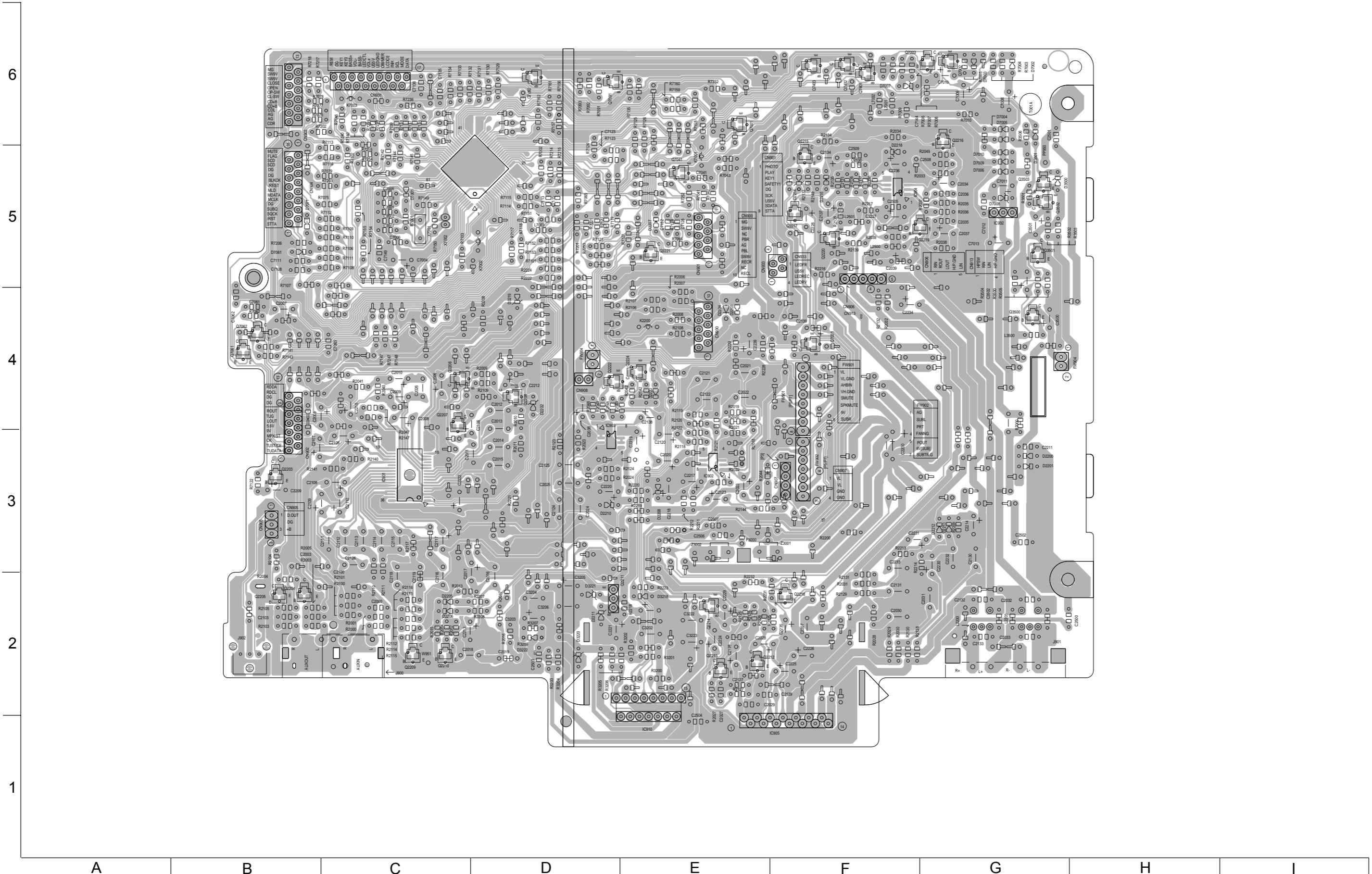
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- (CD STOP MODE) INSIDE BRACKET VALUES ARE OTHER FUNCTIONS
- UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/8W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR POLYMER CAPACITOR. ALL CAPACITANCE VALUES ARE IN PICO(F). ALL INDUCTANCE VALUES ARE IN MILLI(MH). ALL ELECTROLYTIC CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V). ALL DIODES (DOV, NDM) 1S6133-T2

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

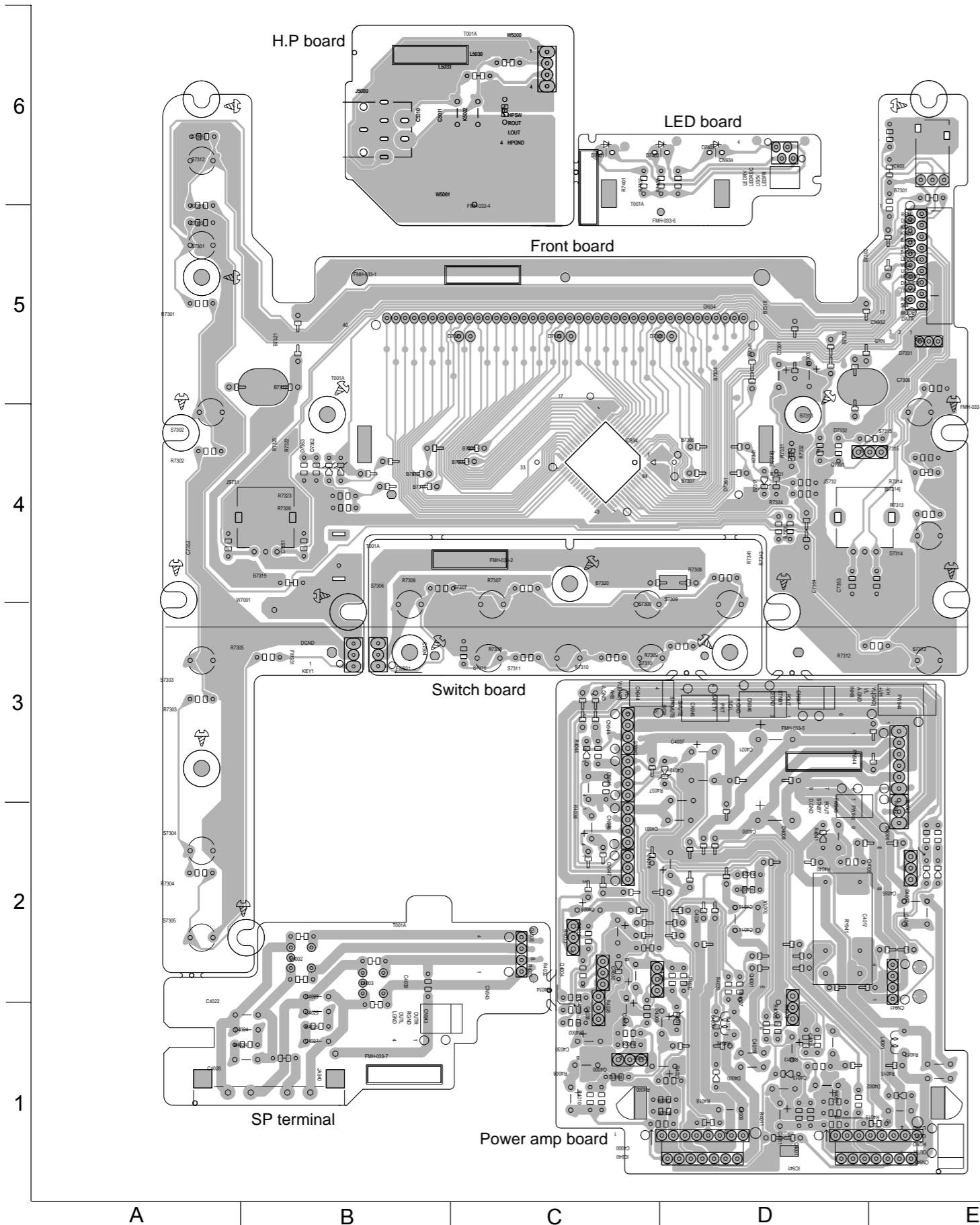
Printed circuit boards

■ Main board

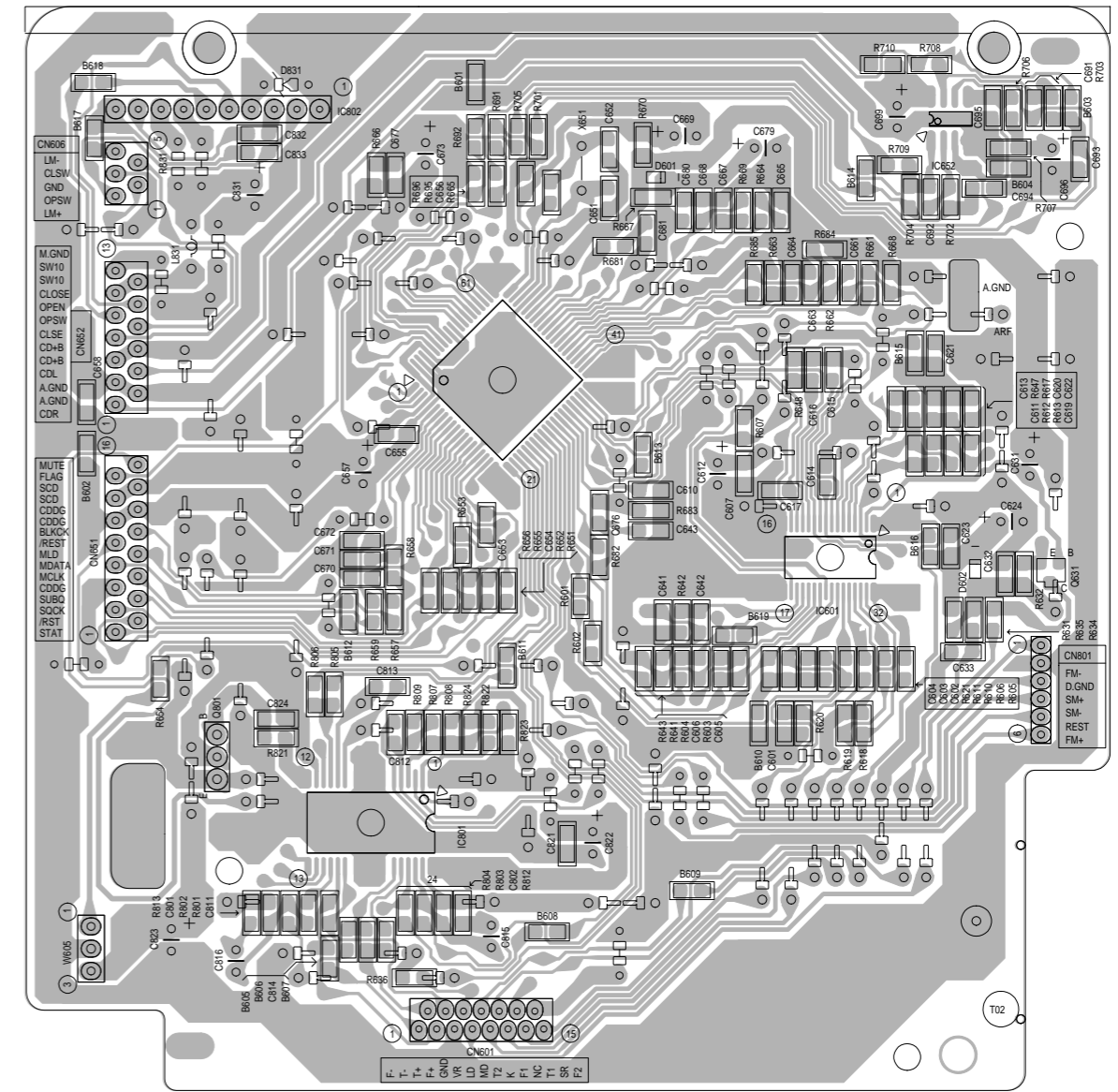
Block No. 01



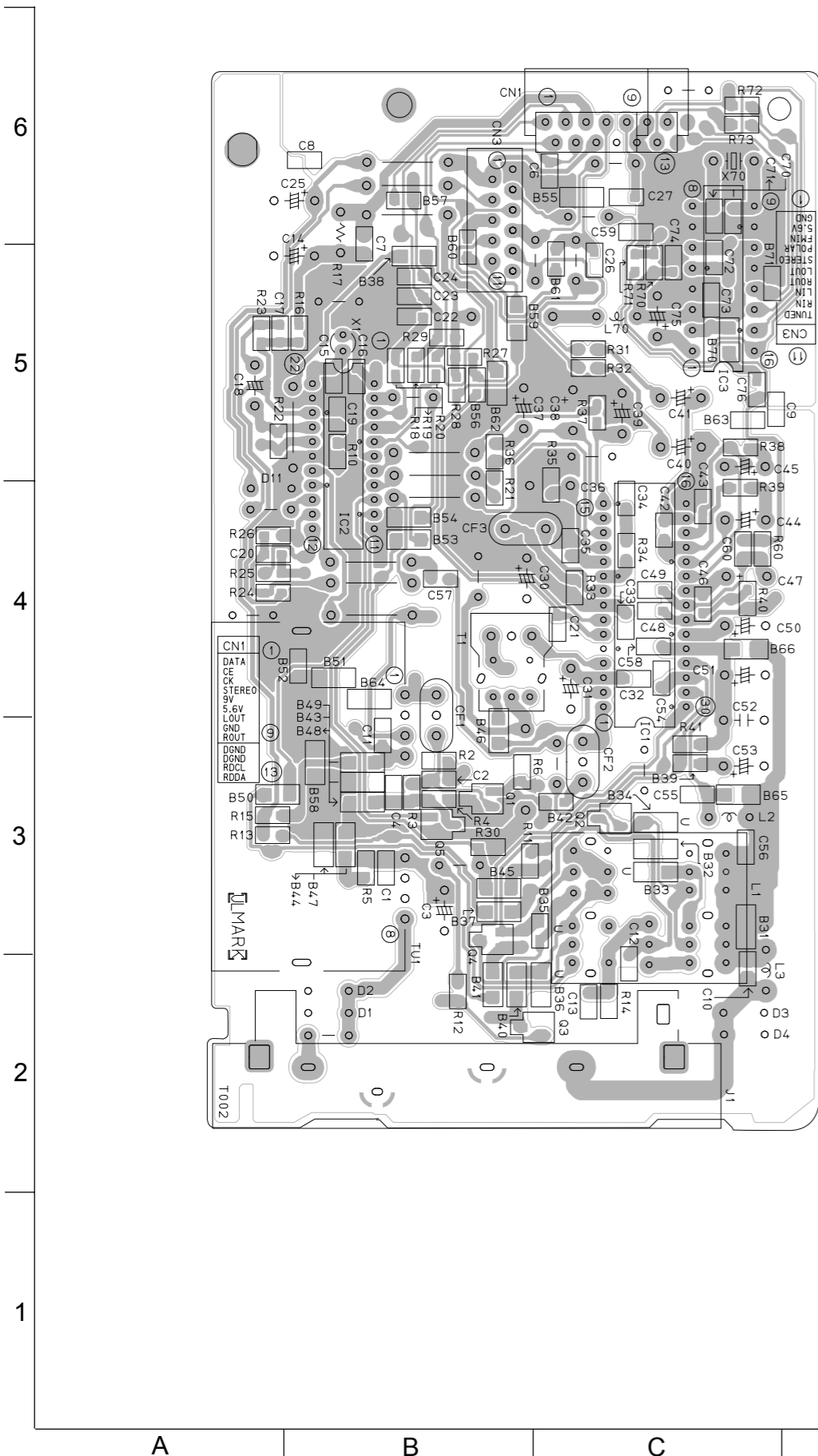
■ Front board Block No. 02



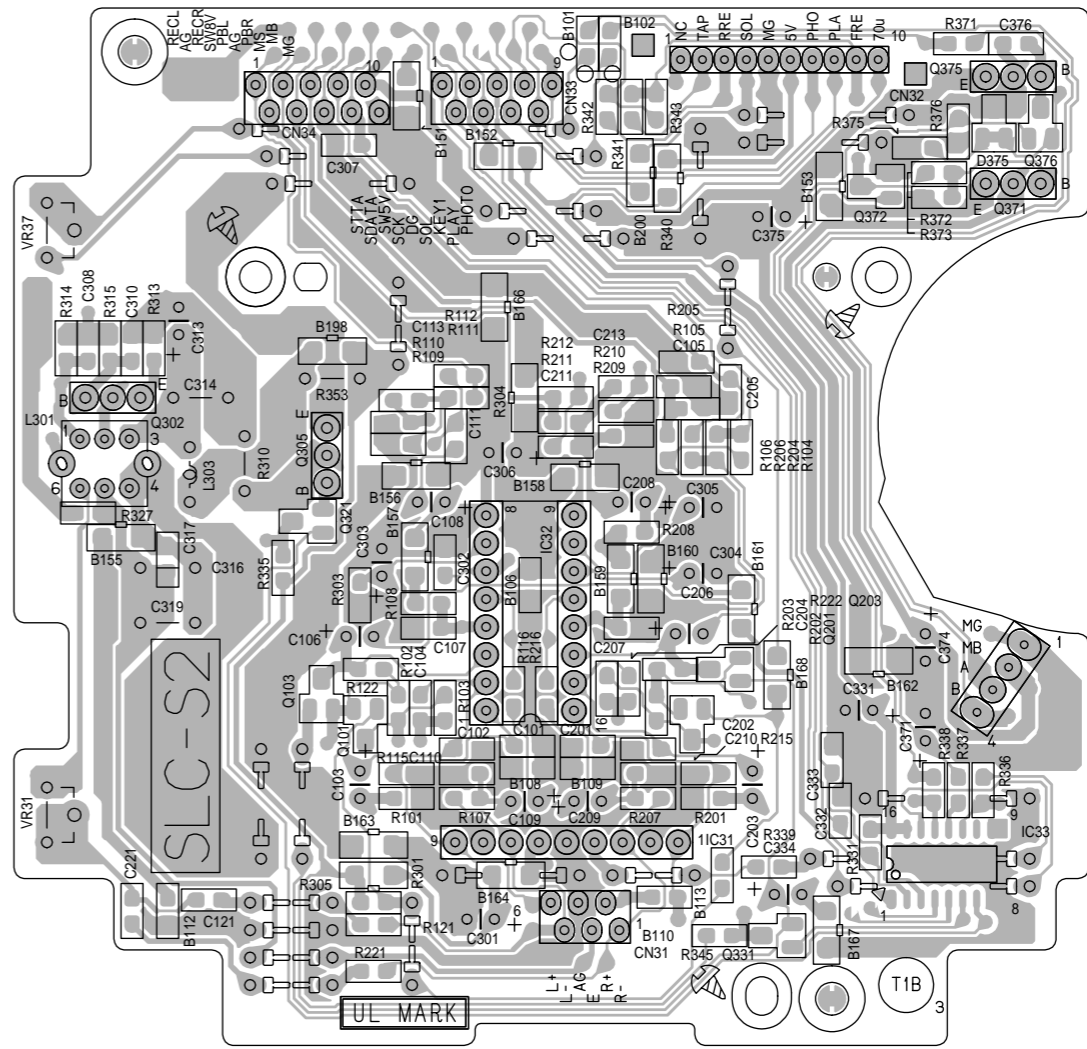
■ CD servo board Block No. 03



■ Tuner board Block No. 04



■ Head amplifier board Block No. 05



■ Cassette switch board Block No. 06

