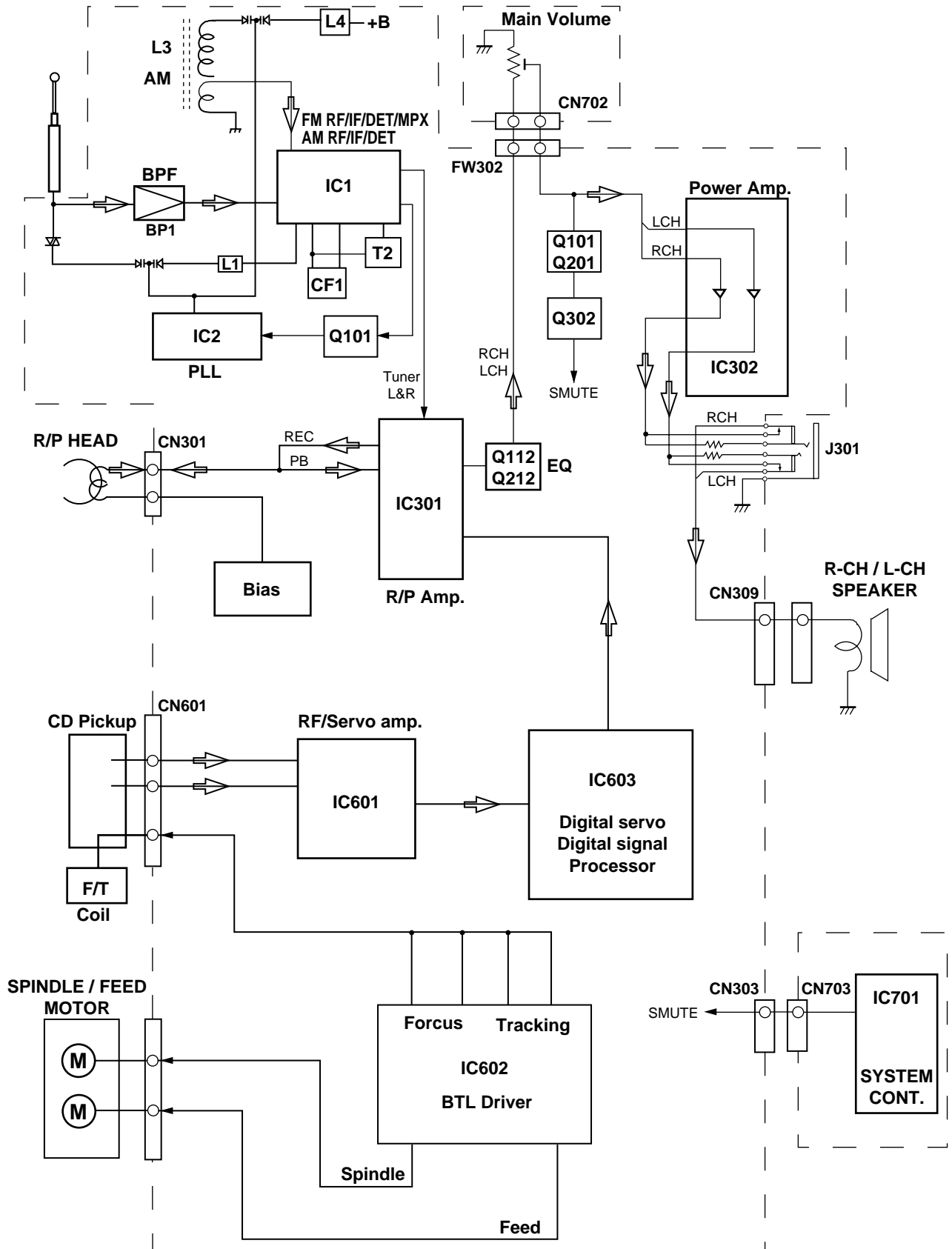
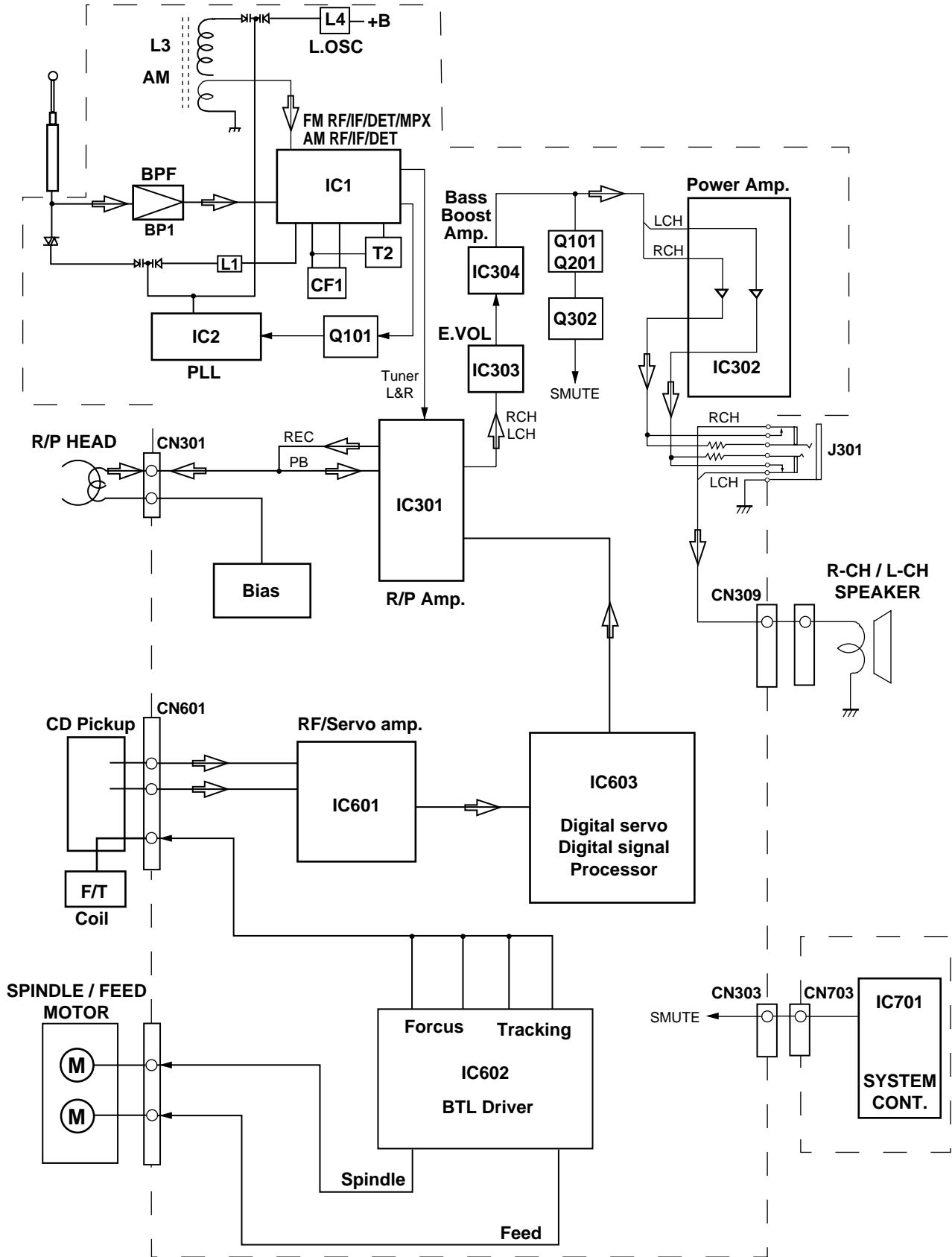


# Block diagrams

## ■ RC-BZ5LB/BZ5RD

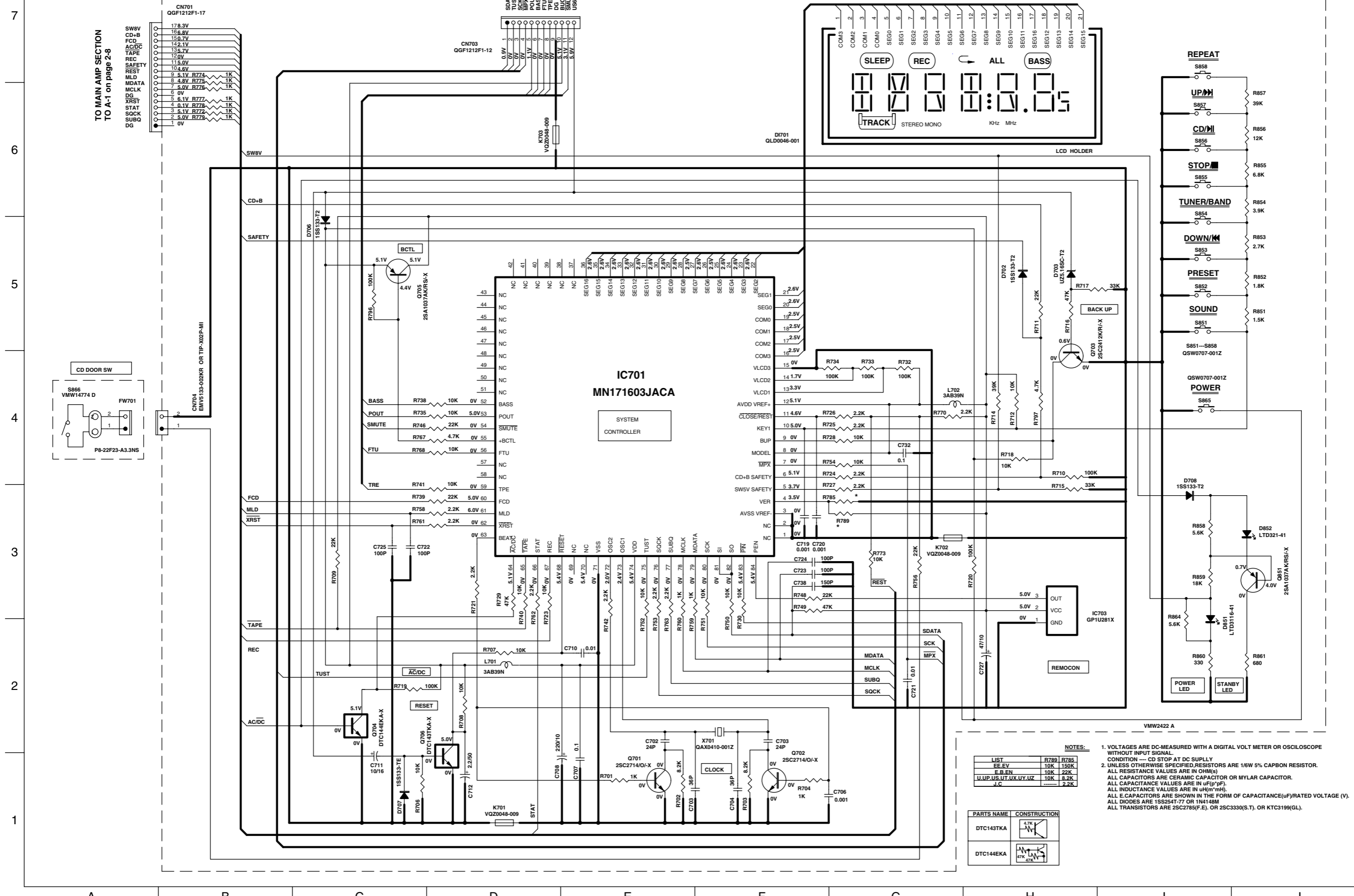


■ RC-BZ6BU



# Standard schematic diagrams

## System control circuit (RC-BZ5LB/BZ5RD only)



**NOTES:**

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILSCOPE WITHOUT INPUT SIGNAL.  
CONDITION --- CD STOP AT DC SUPPLY
- UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/6W 5% CAPBON RESISTOR.  
ALL INDUCTANCE VALUES ARE IN OHM(S)  
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.  
ALL CAPACITANCE VALUES ARE IN uF(p/pF).  
ALL INDUCTANCE VALUES ARE IN uH(mH).  
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE (V).  
ALL DIODES ARE 1S5254T-77 OR 1N4148M  
ALL TRANSISTORS ARE 2SC2785(F.E.) OR 2SC3330(S.T.) OR KTC3199(GL).

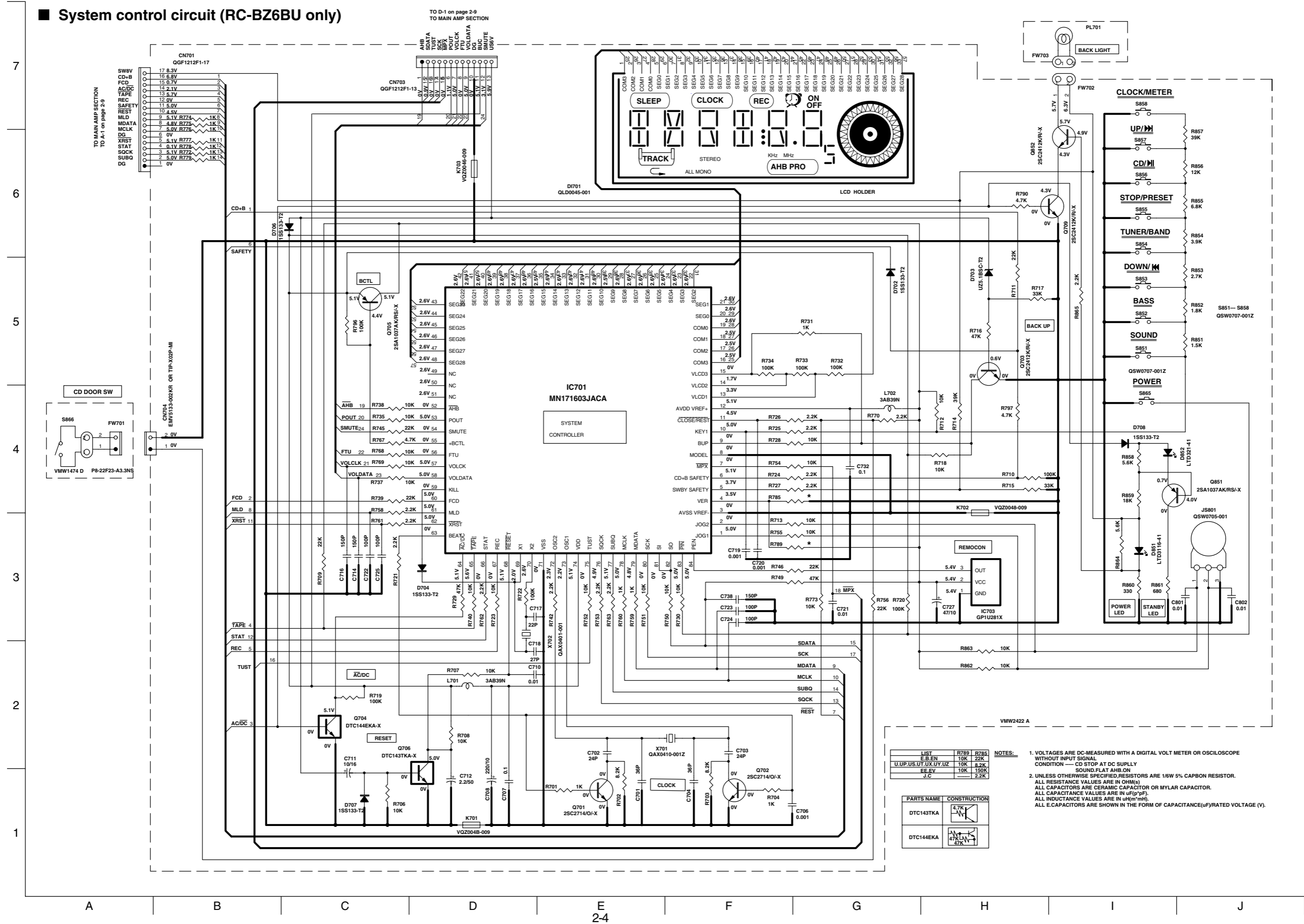
PARTS NAME	CONSTRUCTION
DTC143TKA	
DTC144EKA	

7  
6  
5  
4  
3  
2  
1

A B C D E F G H I J

RC-BZ5LB/BZ5RD  
RC-BZ6BU

■ System control circuit (RC-BZ6BU only)



LIST

E.B.EN	R789	R785
U.UP.US.UT.UX.UY.UZ	10K	22K
EE.EV	10K	8.2K
J.C	10K	1.50K
	10K	2.2K

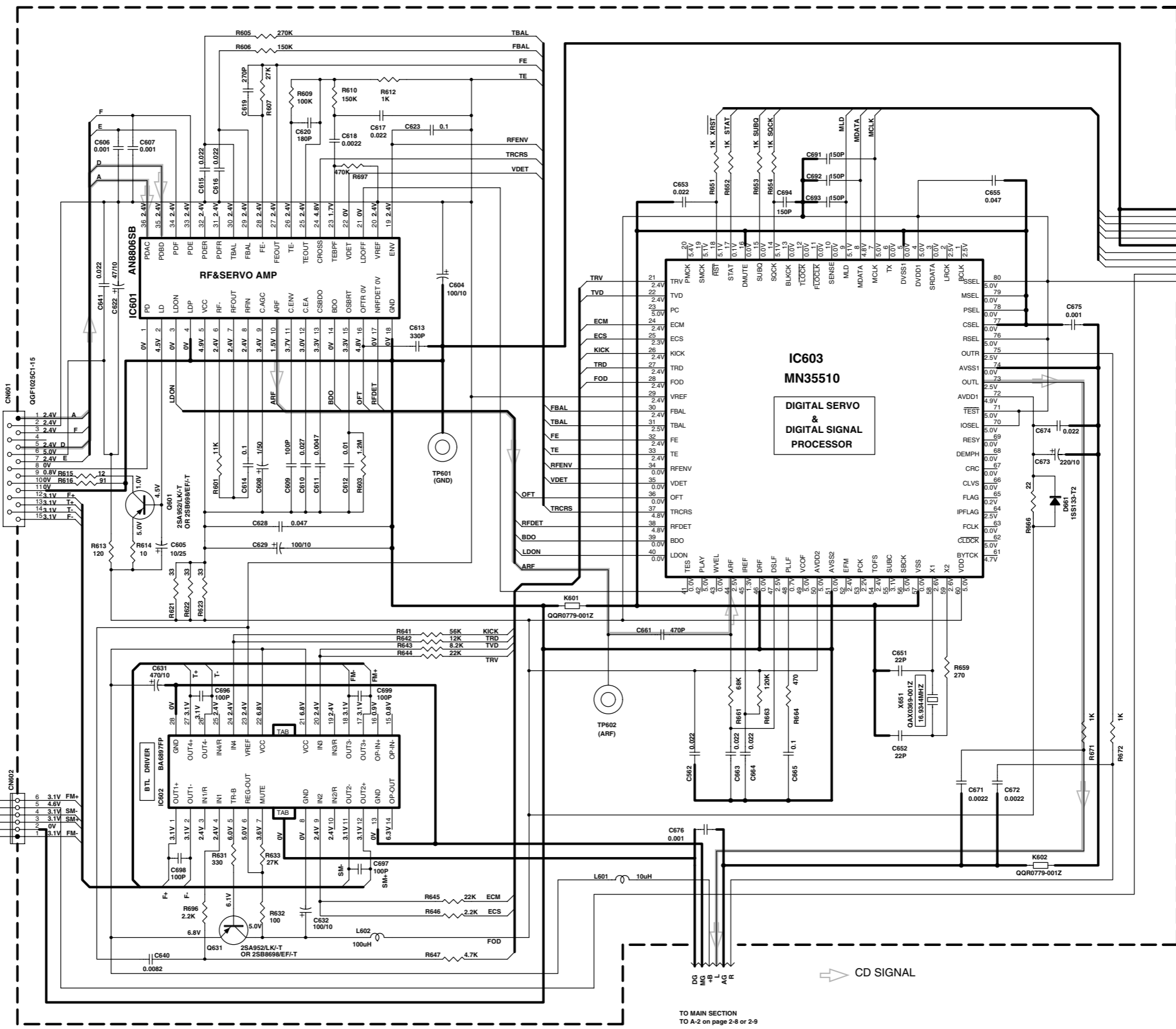
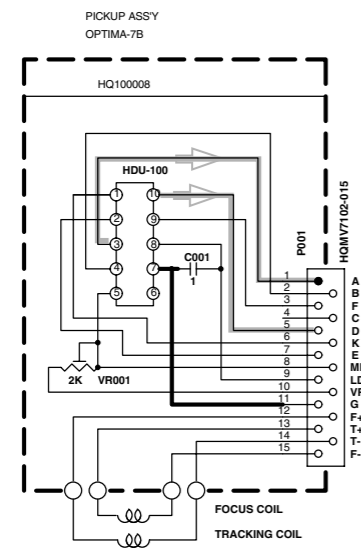
NOTES:

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILSCOPE WITHOUT INPUT SIGNAL  
CONDITION --- CD STOP AT DC SUPPLY  
SOUND FLAT AHB ON
- UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/6W 5% CARBON RESISTOR.  
ALL RESISTANCE VALUES ARE IN OHM(S)  
ALL CAPACITANCE VALUES ARE IN uF(PF).  
ALL INDUCTANCE VALUES ARE IN uH(MMH).  
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE (V).

PARTS NAME CONSTRUCTION

DTC143TKA	4.7K
DTC144EKA	47K

■ CD amplifire circuit



TO MAIN SECTION  
TO B-1 on page 2-8 or 2-9

**NOTES**  
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.  
2. 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 (uF)-(pF).  
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (uF)/RATED VOLTAGE (V).

TO MAIN SECTION  
TO A-2 on page 2-8 or 2-9

⇒ CD SIGNAL

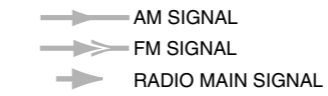
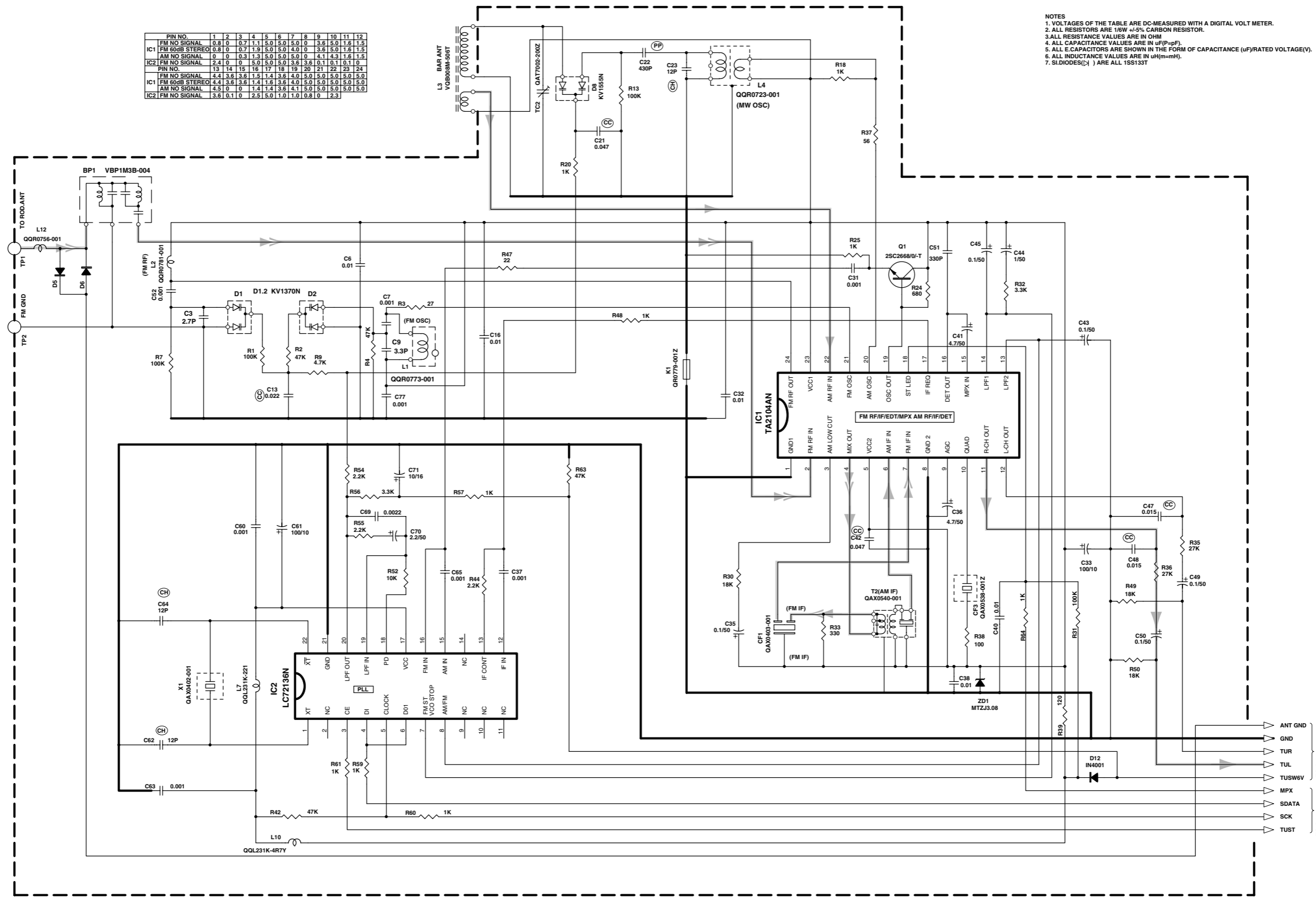
A B C D E F G H I J

RC-BZ5LB/BZ5RD  
RC-BZ6BU

■ Tuner circuit (EE/EV version only)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12
IC1 FM NO SIGNAL	0.8	0	0.7	1.1	5.0	5.0	0	3.6	5.0	1.6	1.5	
IC2 FM NO SIGNAL	2.4	0	0	5.0	5.0	5.0	3.6	3.6	0.1	0.1	0.1	
IC1 AM NO SIGNAL	0	0	0.3	1.3	5.0	5.0	0	4.1	4.3	1.6	1.5	
IC2 AM NO SIGNAL	4.4	3.6	3.6	1.5	1.4	3.6	4.0	5.0	5.0	5.0	5.0	
IC1 FM NO SIGNAL	4.4	3.6	3.6	1.4	1.6	3.6	4.0	5.0	5.0	5.0	5.0	
IC2 FM NO SIGNAL	4.5	0	0	1.4	1.4	3.6	4.1	5.0	5.0	5.0	5.0	
IC1 AM NO SIGNAL	3.6	0.1	0	2.5	5.0	1.0	1.0	0.8	0	2.3		

- NOTES
1. VOLTAGES OF THE TABLE ARE DC-MEASURED WITH A DIGITAL VOLT METER.
  2. ALL RESISTORS ARE 1/8W +/-5% CARBON RESISTOR.
  3. ALL RESISTANCE VALUES ARE IN OHM
  4. ALL CAPACITANCE VALUES ARE IN uF(pF)
  5. ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (uF)/RATED VOLTAGE(V).
  6. ALL INDUCTANCE VALUES ARE IN uH(m=mH).
  7. SI-DIODES( ) ARE ALL 1SS133T



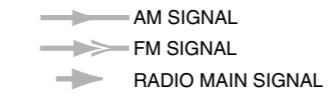
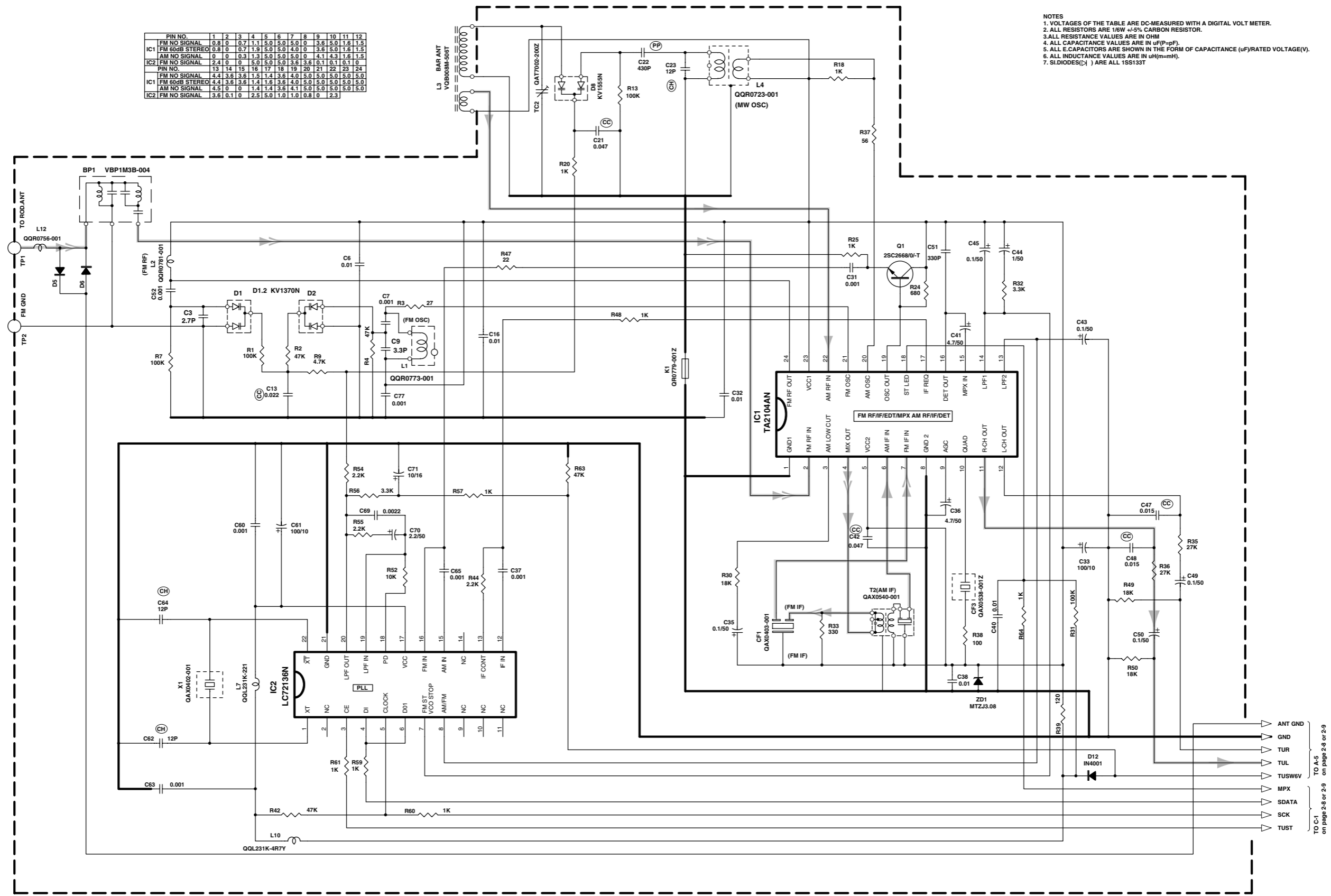
ANT GND  
GND  
TUR  
TUL  
TUSW6V  
MPX  
SDATA  
SCK  
TUST

TO A.5 on page 2-8 or 2-9  
TO C.1 on page 2-8 or 2-9  
TO MAIN SECTION

■ Tuner circuit (EE/EV version only)

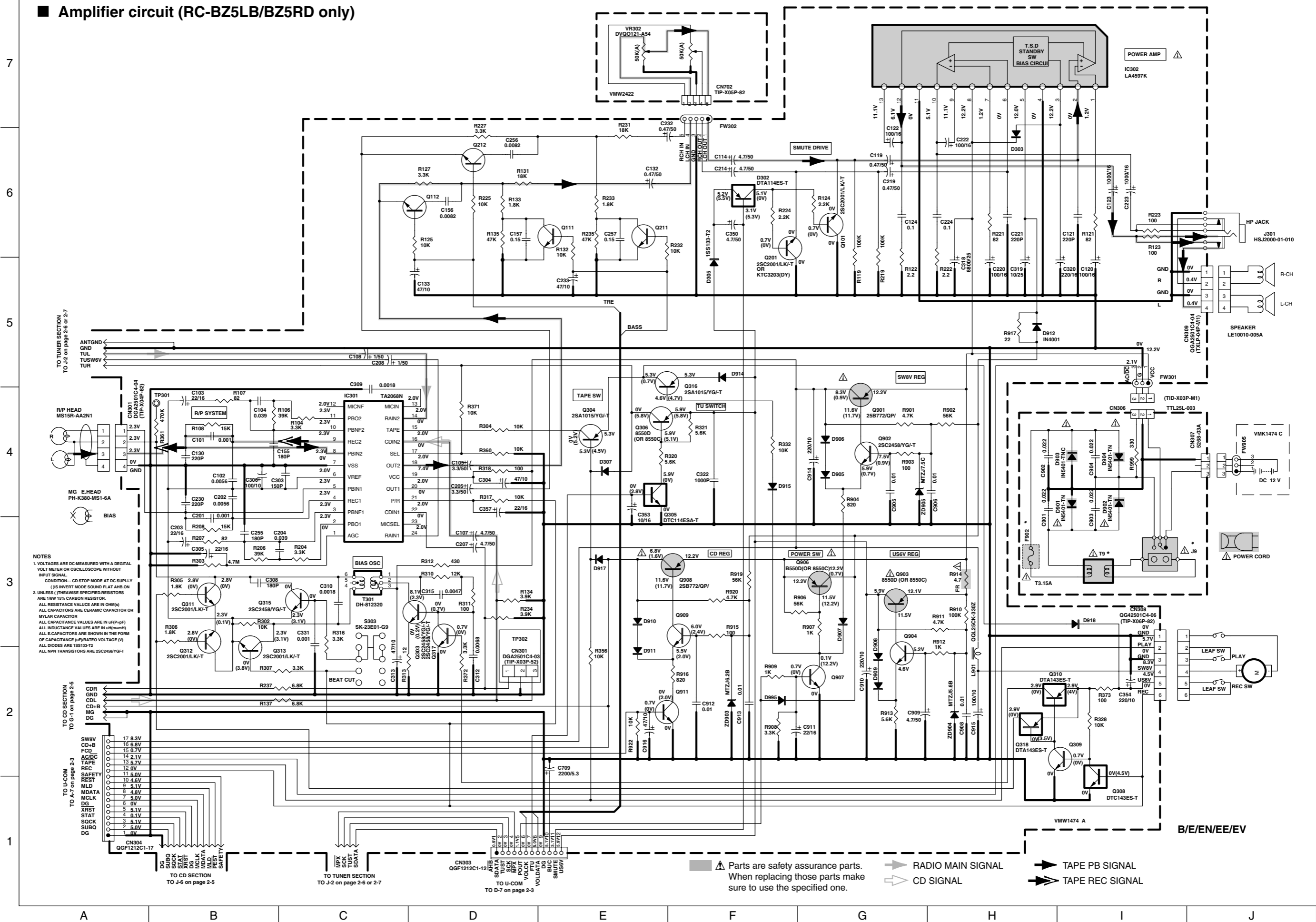
PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12
IC1 FM NO SIGNAL	0.8	0	0.7	1.1	5.0	5.0	0	3.6	5.0	1.6	1.5	
IC1 FM 60dB STEREO	0.8	0	0.7	1.9	5.0	5.0	4.0	0	3.6	5.0	1.6	1.5
AM NO SIGNAL	0	0	0.3	1.3	5.0	5.0	0	4.1	4.3	1.6	1.5	
IC2 FM NO SIGNAL	2.4	0	0	5.0	5.0	5.0	3.6	3.6	0.1	0.1	0.1	0
IC2 FM NO SIGNAL	13	14	15	16	17	18	19	20	21	22	23	24
IC1 FM NO SIGNAL	4.4	3.6	3.6	1.5	1.4	3.6	4.0	5.0	5.0	5.0	5.0	5.0
IC1 FM 60dB STEREO	4.4	3.6	3.6	1.4	1.6	3.6	4.0	5.0	5.0	5.0	5.0	5.0
AM NO SIGNAL	4.5	0	0	1.4	1.4	3.6	4.1	5.0	5.0	5.0	5.0	5.0
IC2 FM NO SIGNAL	3.6	0.1	0	2.5	5.0	1.0	1.0	0.8	0	2.3		

- NOTES
1. VOLTAGES OF THE TABLE ARE DC-MEASURED WITH A DIGITAL VOLT METER.
  2. ALL RESISTORS ARE 1/6W +/-5% CARBON RESISTOR.
  3. ALL RESISTANCE VALUES ARE IN OHM
  4. ALL CAPACITANCE VALUES ARE IN uF(pF)
  5. ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (uF)/RATED VOLTAGE(V).
  6. ALL INDUCTANCE VALUES ARE IN uH(m=mH).
  7. SI-DIODES( ) ARE ALL 1SS133T



TO MAIN SECTION  
ANT GND  
GND  
TUR  
TUL  
TUSW6V  
MPX  
SDATA  
SCK  
TUST

■ Amplifier circuit (RC-BZ5LB/BZ5RD only)



**NOTES**

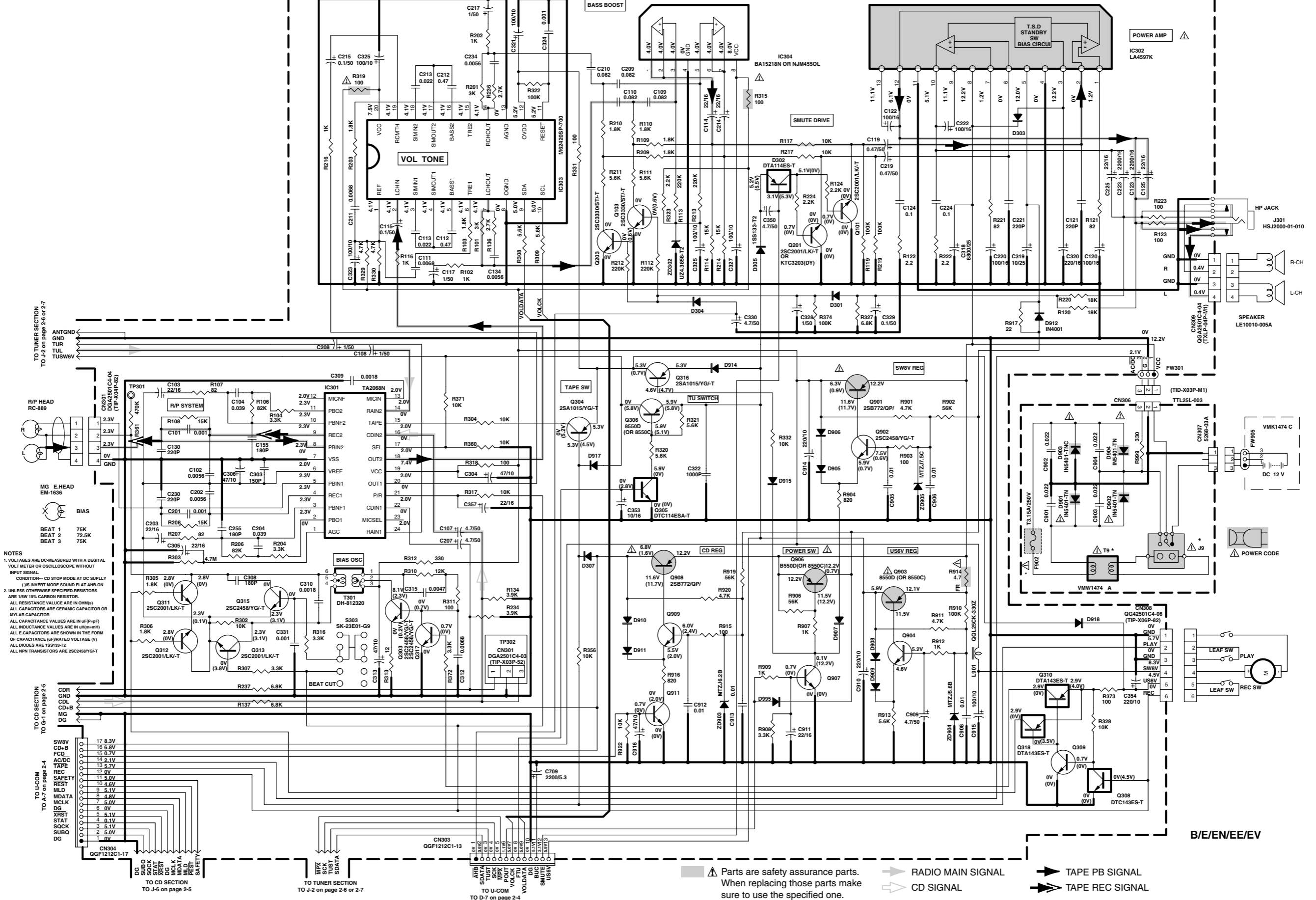
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
- CONDITION—CD STOP MODE AT DC SUPPLY (IS INVERT MODE SOUND FLAT AND ON).
- UNLESS ( ) (IN BRACKET) SPECIFIED, RESISTORS ARE 1/8W 1% CARBON RESISTOR.
- ALL RESISTANCE VALUES ARE IN OHMS (Ω).
- ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
- ALL CAPACITANCE VALUES ARE IN μF (μF).
- ALL INDUCTANCE VALUES ARE IN mH (mH).
- ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF/RATED VOLTAGE (V)).
- ALL DIODES ARE 1SS133-T2.
- ALL NPN TRANSISTORS ARE 2SC2458/YG/T.

Parts are safety assurance parts. When replacing those parts make sure to use the specified one.
  RADIO MAIN SIGNAL
  TAPE PB SIGNAL
  CD SIGNAL
  TAPE REC SIGNAL



Amplifier circuit (RC-BZ6BU only)

7  
6  
5  
4  
3  
2  
1



TO TUNER SECTION  
TO J-2 on page 2-6 or 2-7

ANTENND  
GND  
TUR  
TUL  
TUSWV

R/P HEAD  
RC-889

MG E HEAD  
EM-1636

BIAS

BEAT 1 75K  
BEAT 2 72.5K  
BEAT 3 75K

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.  
CONDITION— CD STOP MODE AT DC SUPPLY (IS INVERT MODE SOUND FLAT AHB ON)

2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1% 100 OHM CARBON RESISTOR.  
ALL RESISTANCE VALUES ARE IN OHMS (Ω)  
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR  
ALL CAPACITANCE VALUES ARE IN pF (pF)  
ALL INDUCTANCE VALUES ARE IN μH (μH)  
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF/PARALLEL VOLTAGE (V))  
ALL DIODES ARE 1SS133-T2  
ALL NPN TRANSISTORS ARE 2SC2458/YG/T

TO CD SECTION  
TO G-1 on page 2-5

SW8V  
CD-B  
FCD  
AC/DC  
TAP  
REC  
SAFETY  
REST  
M.L.D  
M.D.A.T.A  
M.C.L.K  
D.G  
X.R.S.T  
S.T.A.T  
S.O.C.K  
S.U.B.Q

TO U-COM  
TO A-7 on page 2-4

17 8.3V  
16 6.8V  
15 0.7V  
14 2.1V  
13 5.7V  
12 0V  
11 5.0V  
10 4.6V  
9 5.1V  
8 4.8V  
7 5.0V  
6 0V  
5 5.1V  
4 0.1V  
3 5.1V  
2 5.0V  
1 0V

TO CD SECTION  
TO J-6 on page 2-5

D.G.  
S.U.B.Q  
S.O.C.K  
S.T.A.T  
S.T.A.T  
D.G  
M.C.L.K  
M.L.D  
M.L.D  
R.E.S.T  
S.A.F.E.T.Y

TO TUNER SECTION  
TO J-2 on page 2-6 or 2-7

MPX  
SCK  
TUST  
SDATA

TO U-COM  
TO D-7 on page 2-4

DATA  
SDATA  
TUST  
MPX  
POUT  
VOLCK  
VOLDATA  
BUC  
D.G  
SUSV

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

▶ RADIO MAIN SIGNAL  
◀ CD SIGNAL

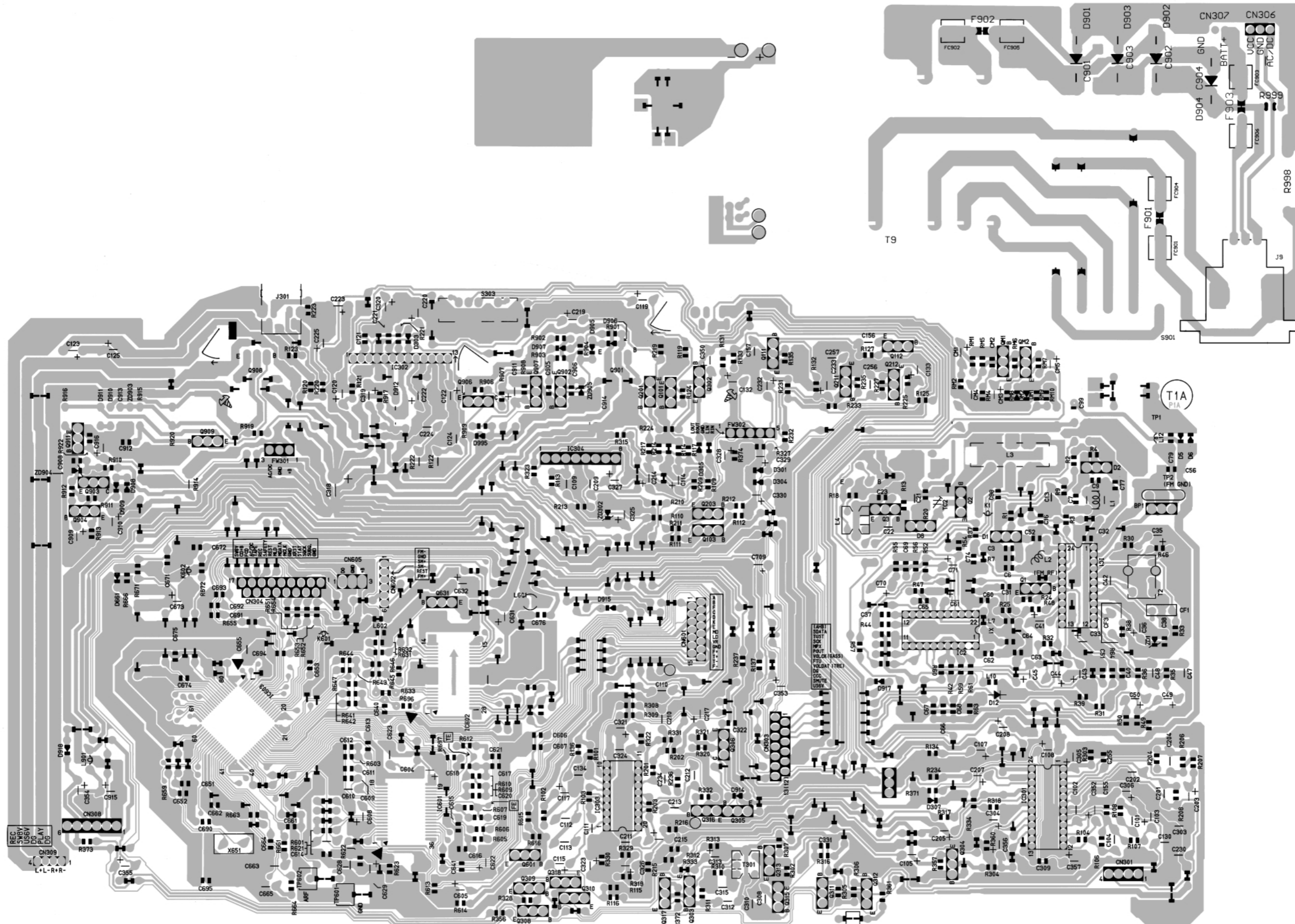
▶ TAPPE PB SIGNAL  
▶ TAPPE REC SIGNAL

A B C D E F G H I J

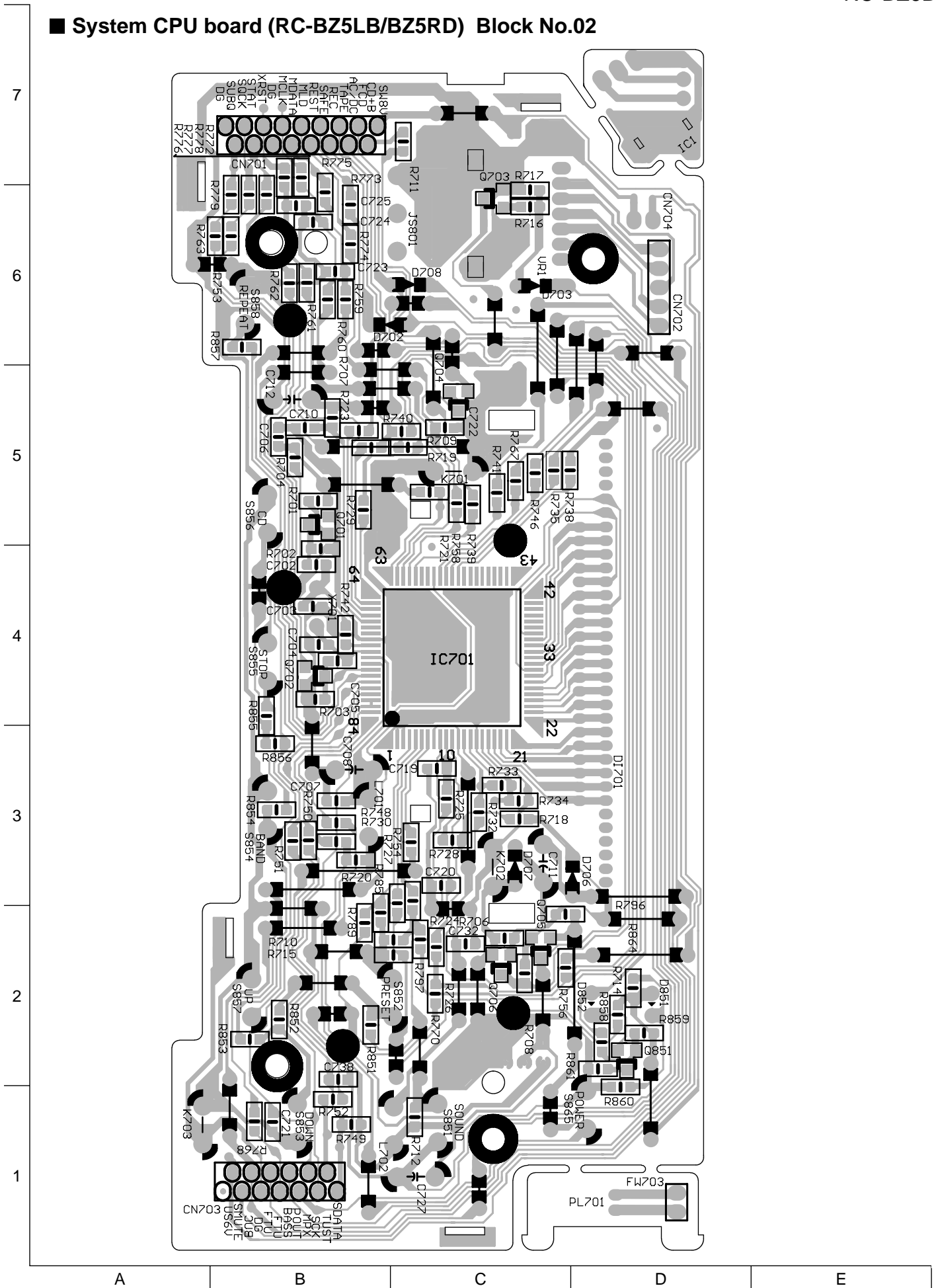
# Printed circuit boards

■ Main board Block No. 01

7  
6  
5  
4  
3  
2  
1

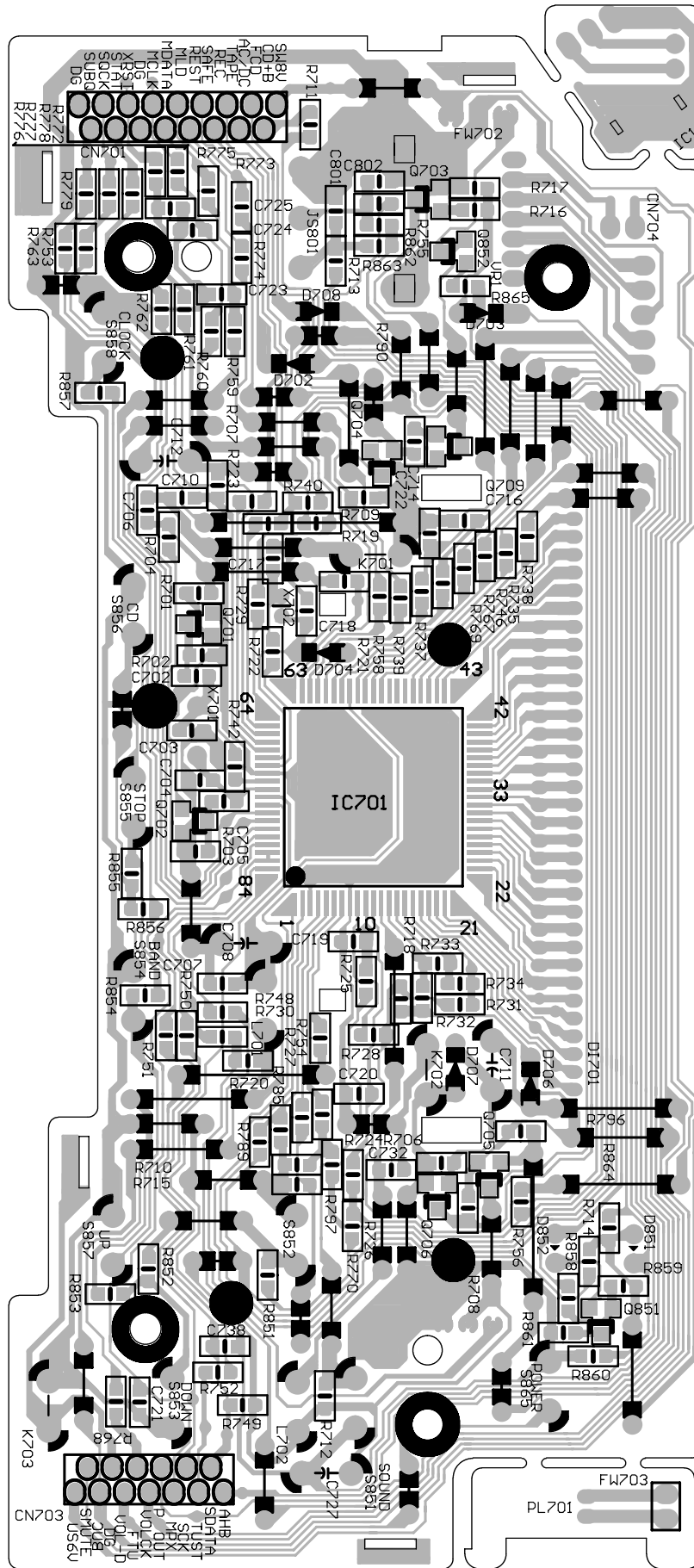


■ System CPU board (RC-BZ5LB/BZ5RD) Block No.02



■ System CPU board (RC-BZ6BU) Block No.02

7  
6  
5  
4  
3  
2  
1



A B C D E