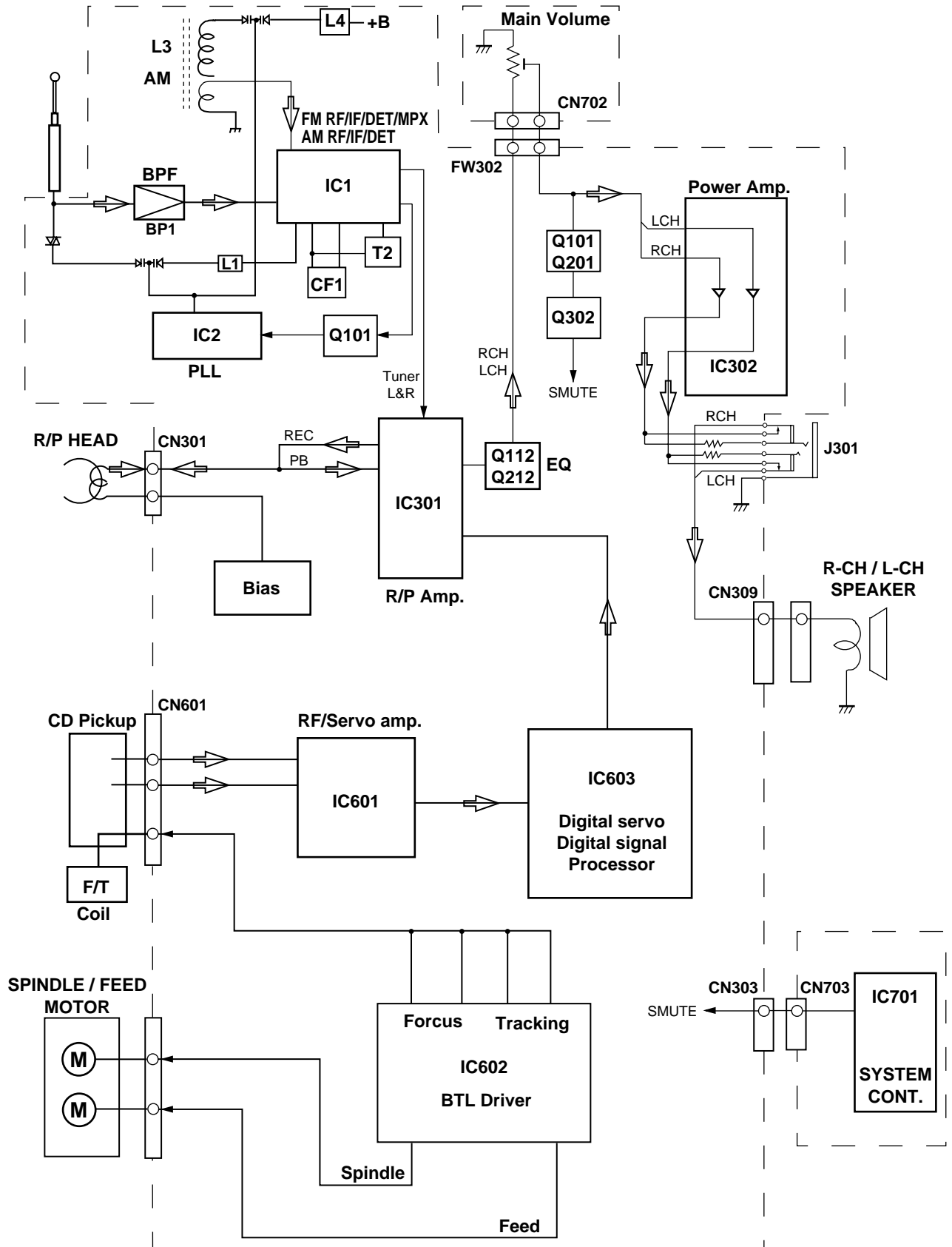
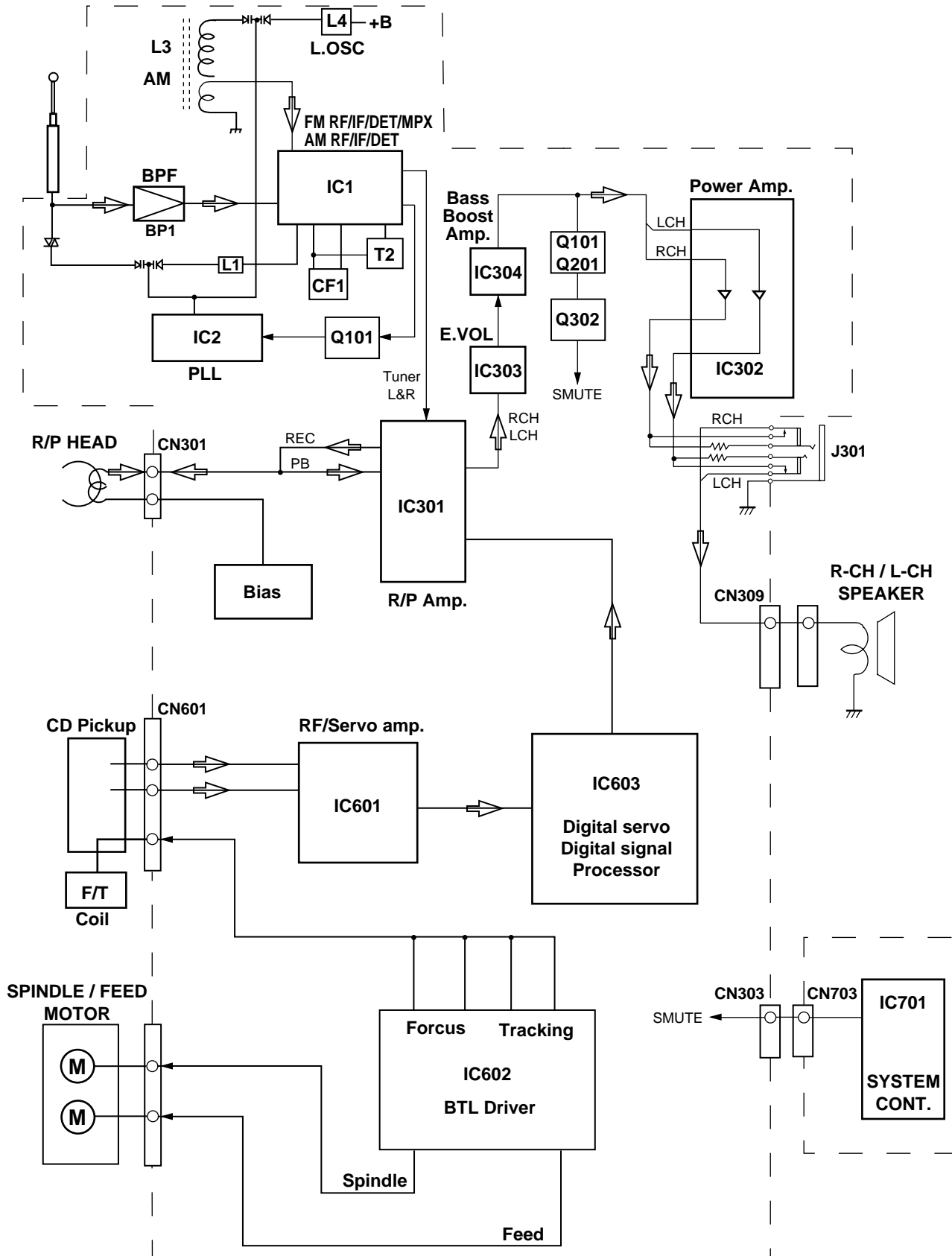


Block diagrams

■ RC-BZ5LB/BZ5RD



■ RC-BZ6BU



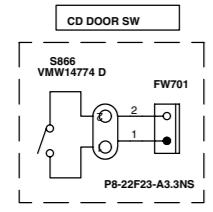
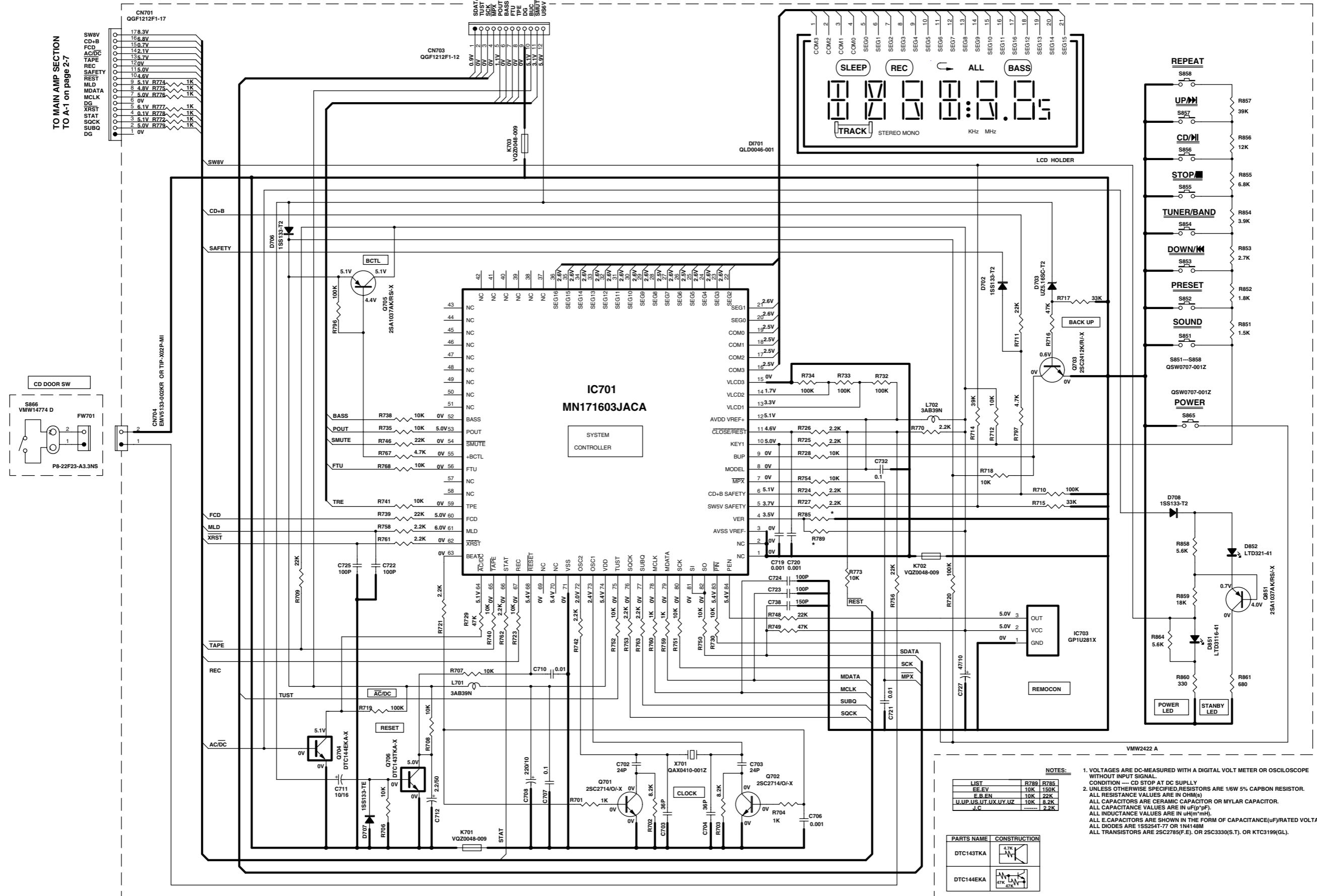
Standard schematic diagrams

System control circuit (RC-BZ5LB/BZ5RD only)

7
6
5
4
3
2
1

TO MAIN AMP SECTION
TO A-1 on page 2-7

TO MAIN AMP SECTION
TO D-1 on page 2-7



NOTES:

LIST	R789	R785
EE.EV	10K	150K
E.B.EN	10K	22K
U.U.P.U.S.U.T.U.X.U.Y.U.Z	10K	8.2K
J.C	2.2K

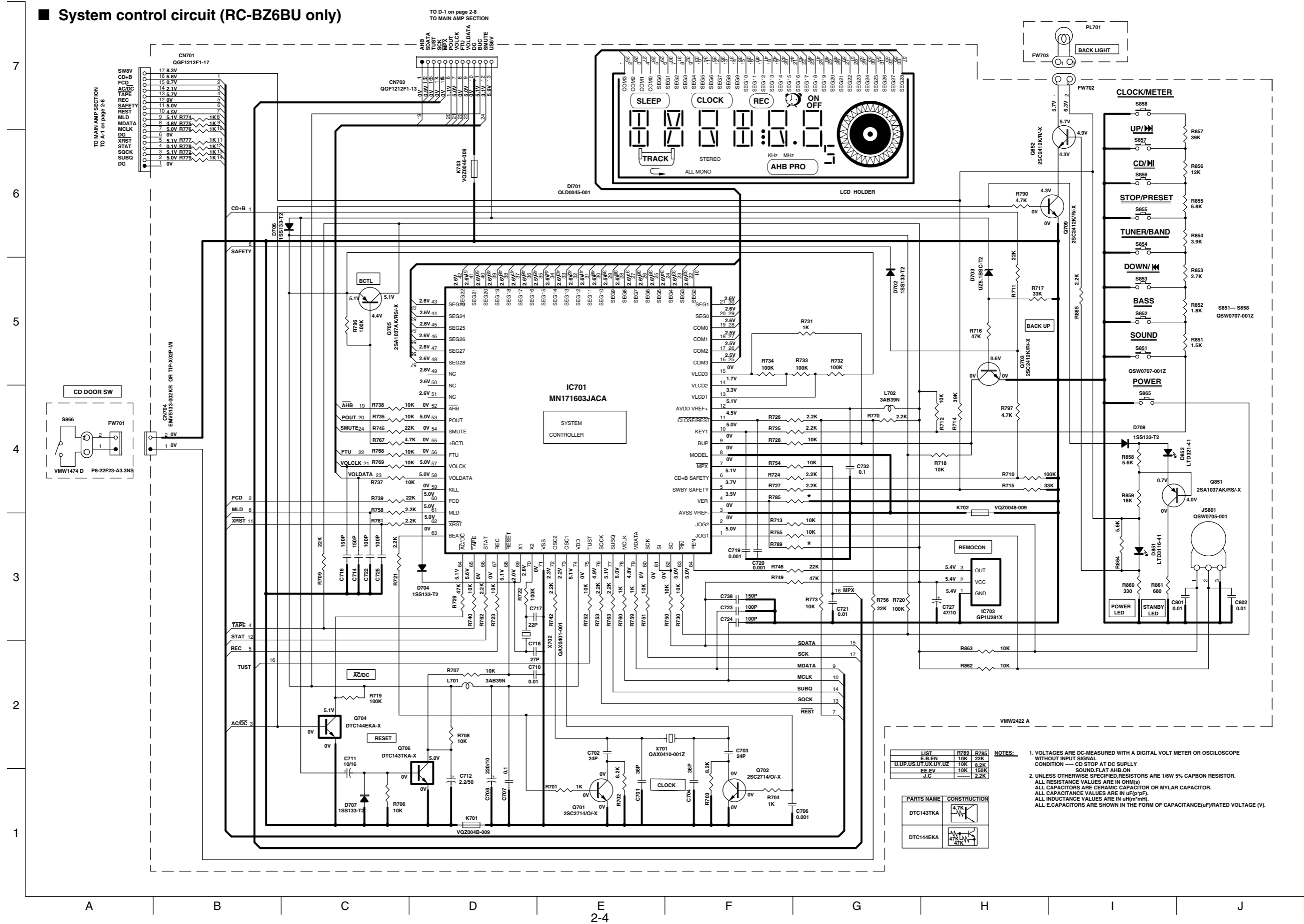
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP AT DC SUPPLY
- UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/6W 5% CAPBON RESISTOR.
ALL INDUCTANCE VALUES ARE IN OHM(S)
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN uF(p/pF).
ALL INDUCTANCE VALUES ARE IN uH(m/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	

A B C D E F G H I J

RC-BZ5LB/BZ5RD
RC-BZ6BU

System control circuit (RC-BZ6BU only)

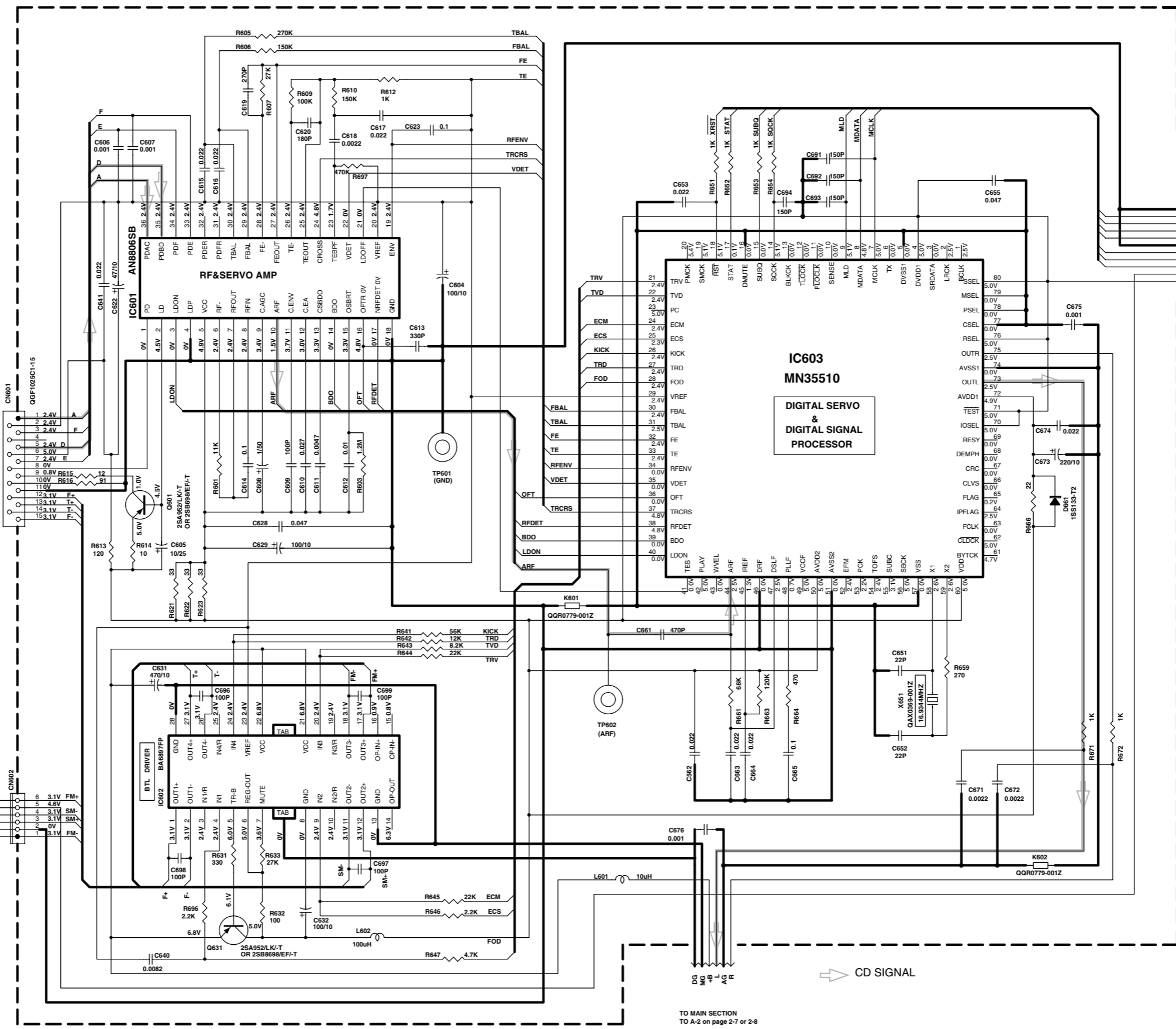
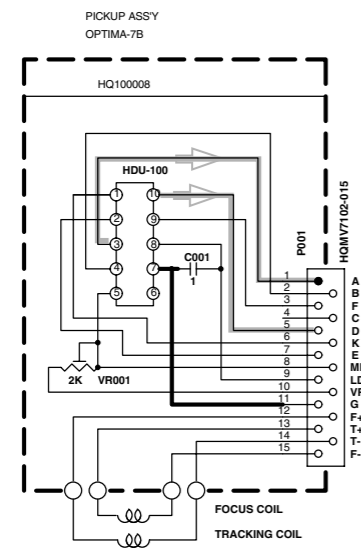


LIST	R789	R785
E.B.EN	10K	22K
U.UP.US.UT.UX.UY.UZ	10K	8.2K
EE.EV	10K	1.50K
J.C	10K	2.2K

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



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

TO MAIN SECTION
TO B-1 on page 2-7 or 2-8

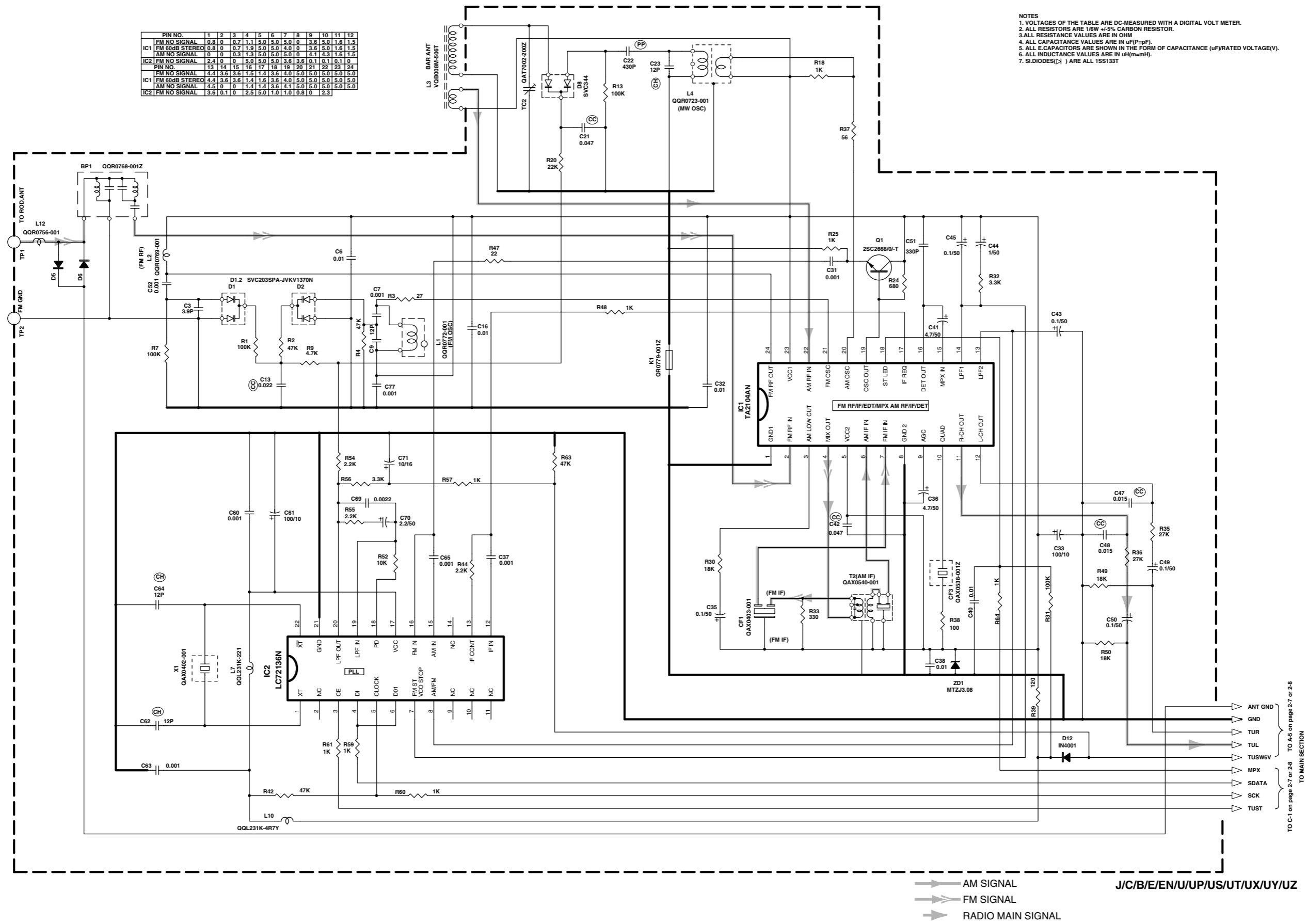
TO MAIN SECTION
TO A-2 on page 2-7 or 2-8

CD SIGNAL

■ Tuner circuit

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	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	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 60dB STEREO	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
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	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 1/8W +/-5% CARBON RESISTOR.
 3. ALL RESISTANCE VALUES ARE IN OHM
 4. ALL CAPACITANCE VALUES ARE IN uF(p-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

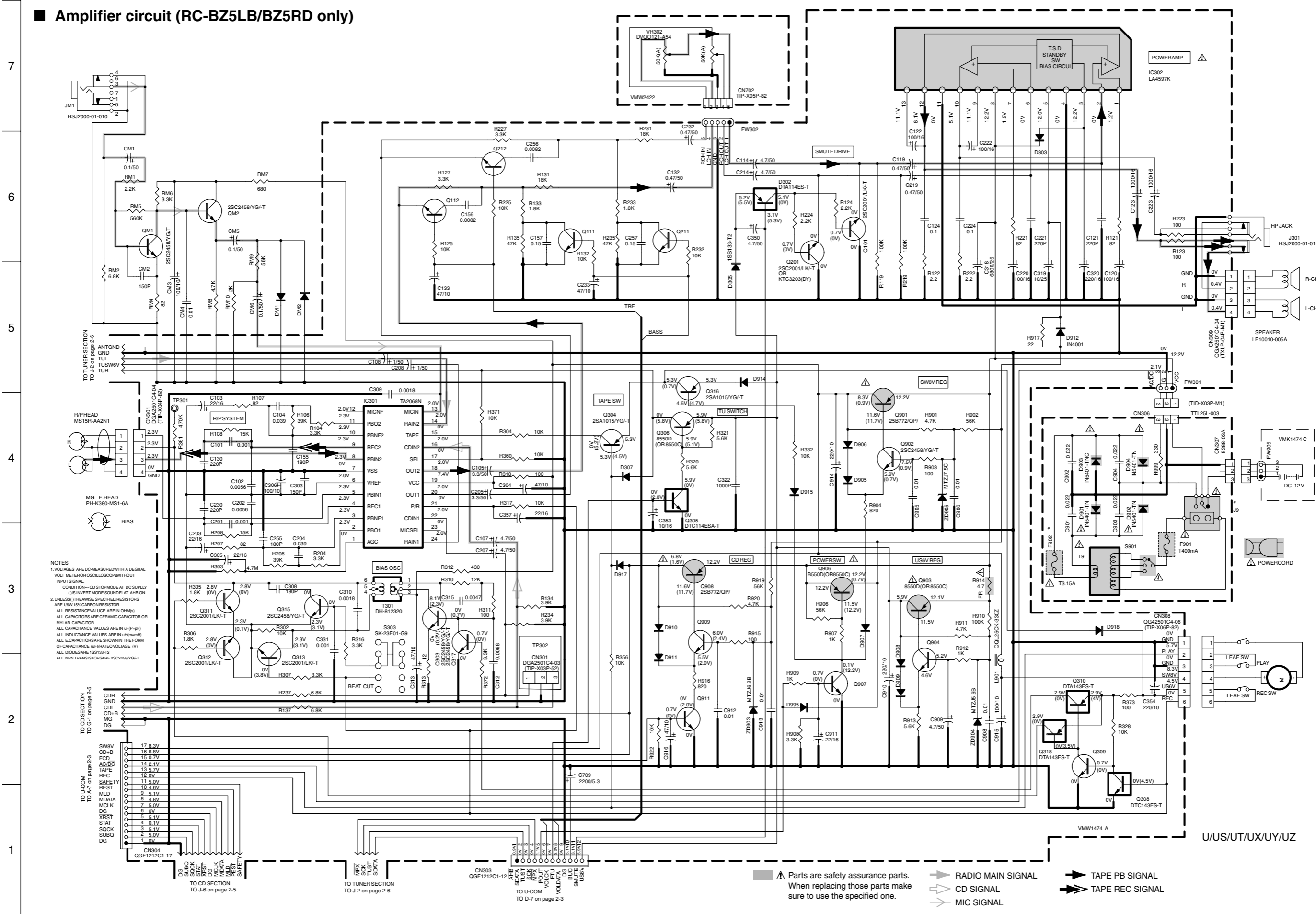


TO C-1 on page 2-7 or 2-8
TO A-5 on page 2-7 or 2-8
TO MAIN SECTION

AM SIGNAL
FM SIGNAL
RADIO MAIN SIGNAL

J/C/B/E/EN/U/UP/US/UT/UX/UY/UZ

Amplifier circuit (RC-BZ5LB/BZ5RD only)

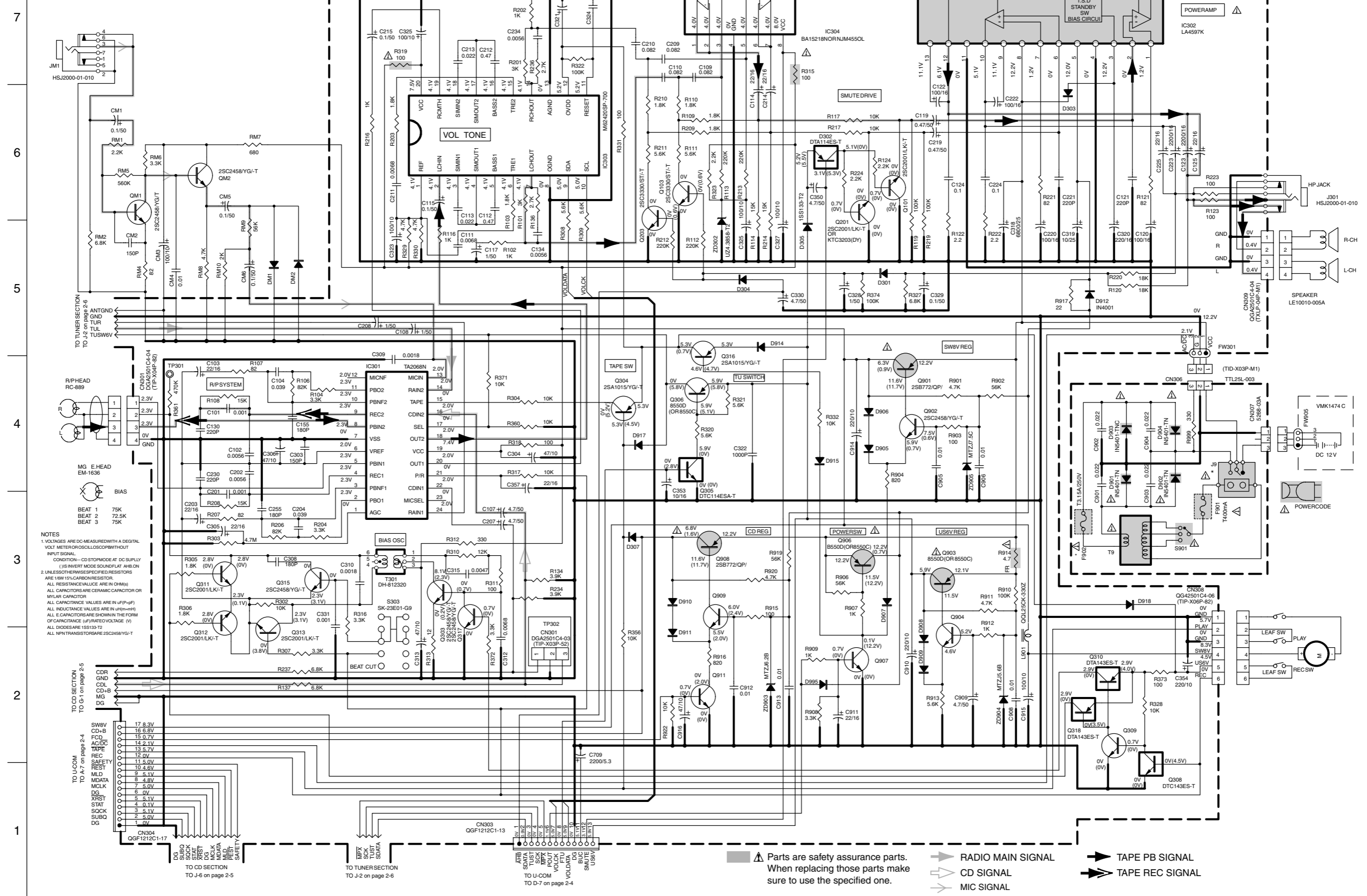


NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION—CD STOP MODE AT DC SUPPLY (IS REVERSE MODE SOUND/FLAT AHEAD ON 2 UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN pF (pF=10^-12).
ALL INDUCTANCE VALUES ARE IN mH (mH=10^-3).
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) RATED VOLTAGE (V).
ALL DIODES ARE 1SS135-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
MIC Signal

Amplifier circuit (RC-BZ6BU only)



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

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

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

SW8V	17	3.3V
CD-B	16	6.8V
FCD	15	0.7V
AC/DC	14	2.1V
TAPE	13	5.7V
REC	12	0V
SAFETY	11	5.0V
REST	10	4.6V
MLD	9	5.1V
MDATA	8	4.8V
MCLK	7	5.0V
DG	6	0V
XRST	5	5.1V
STAT	4	0.1V
SOCK	3	5.1V
SUBQ	2	5.0V
DG	1	0V

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

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

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

ATB	1	0V
STAT	2	0V
SCK	3	0V
SCK	4	0V
MPX	5	0V
MPX	6	0V
VOLDATA	7	0V
FTU	8	0V
FTU	9	0V
BUC	10	0V
SHUTE	11	0V
USV1	12	0V
USV2	13	0V

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

RADIO MAIN SIGNAL
 CD SIGNAL
 MIC SIGNAL
 TAPE PB SIGNAL
 TAPE REC SIGNAL

Printed circuit boards

■ Main board Block No. 01

Power supply board

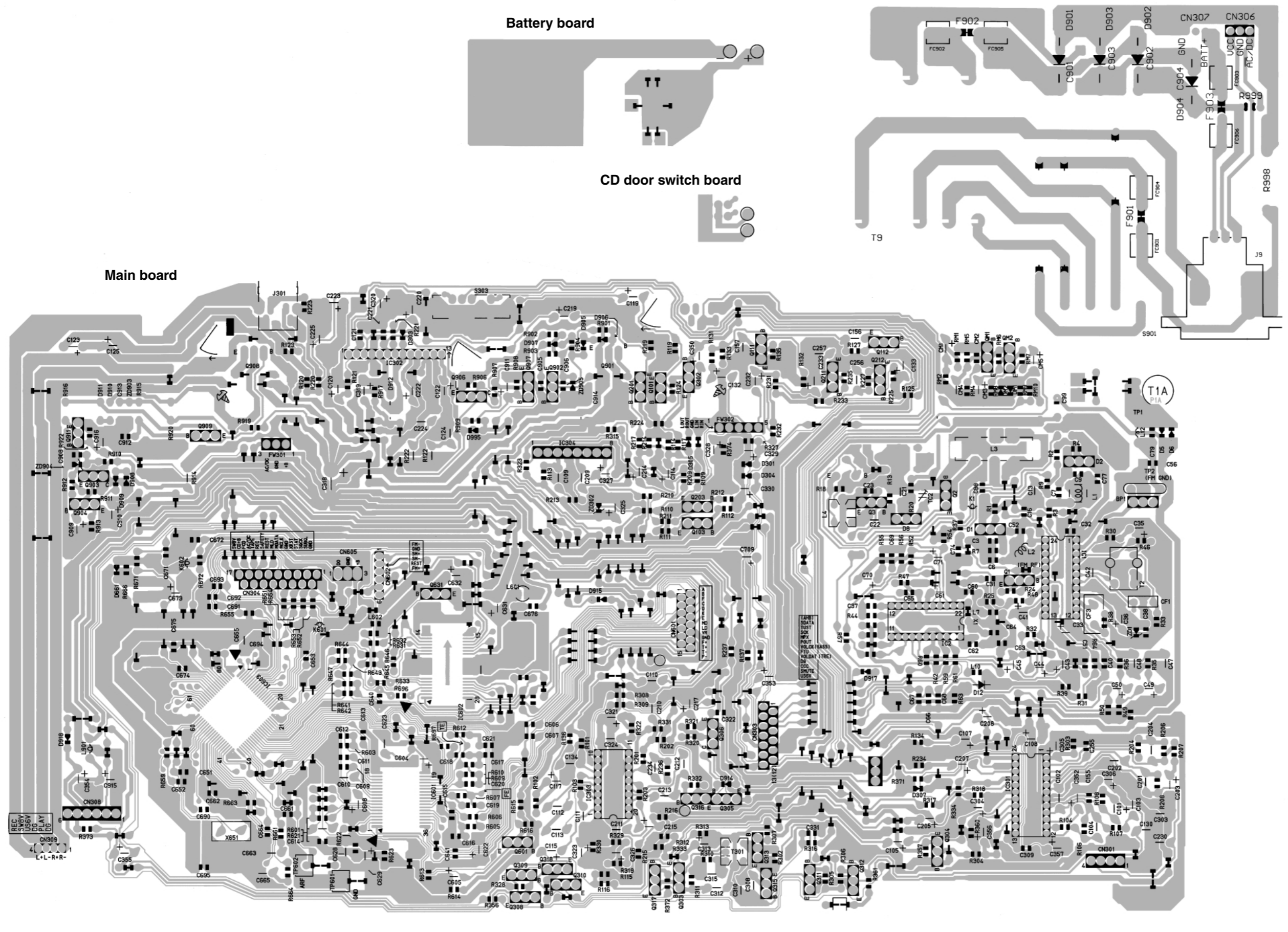
Battery board

CD door switch board

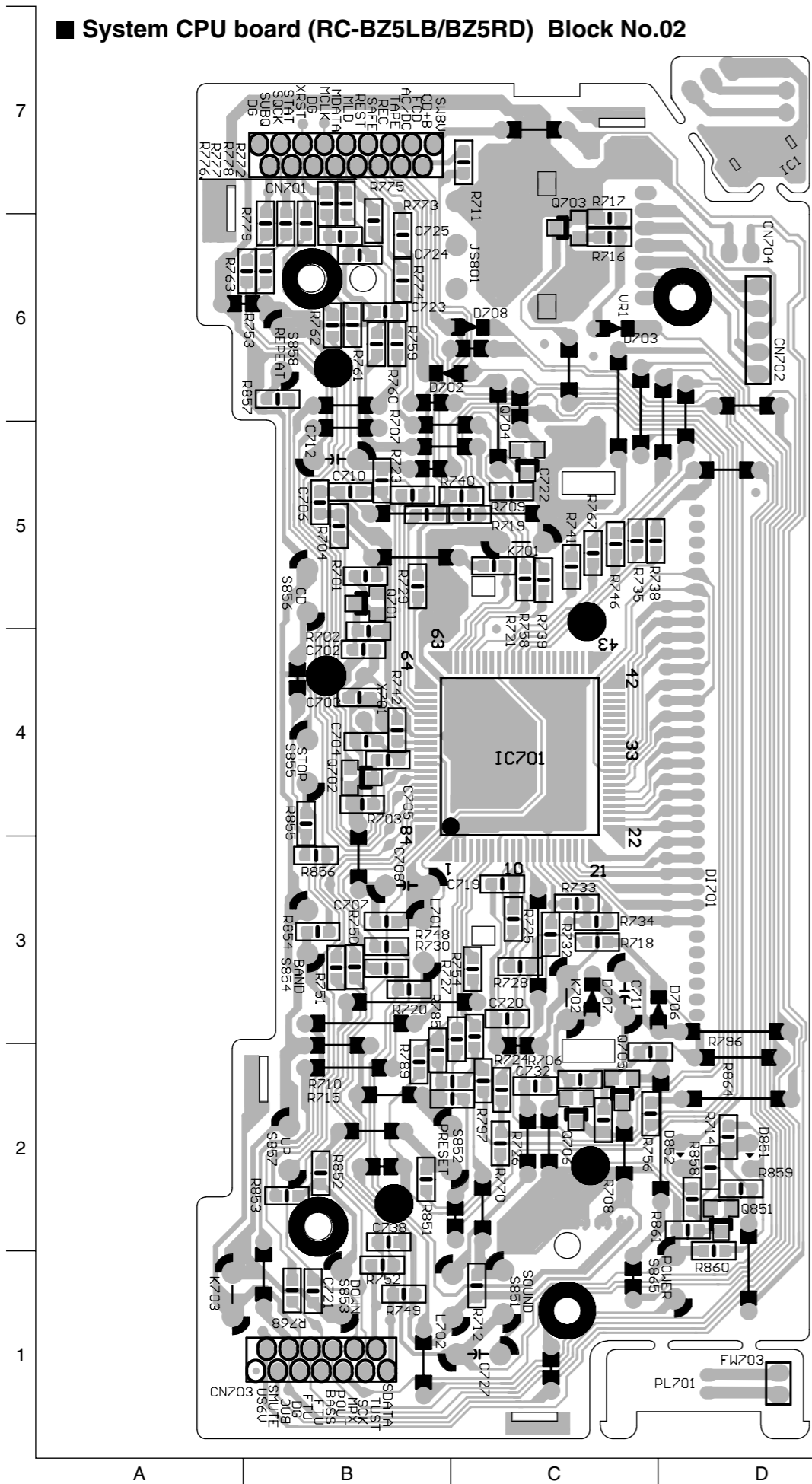
Main board

7
6
5
4
3
2
1

A B C D E F G H I J



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



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

