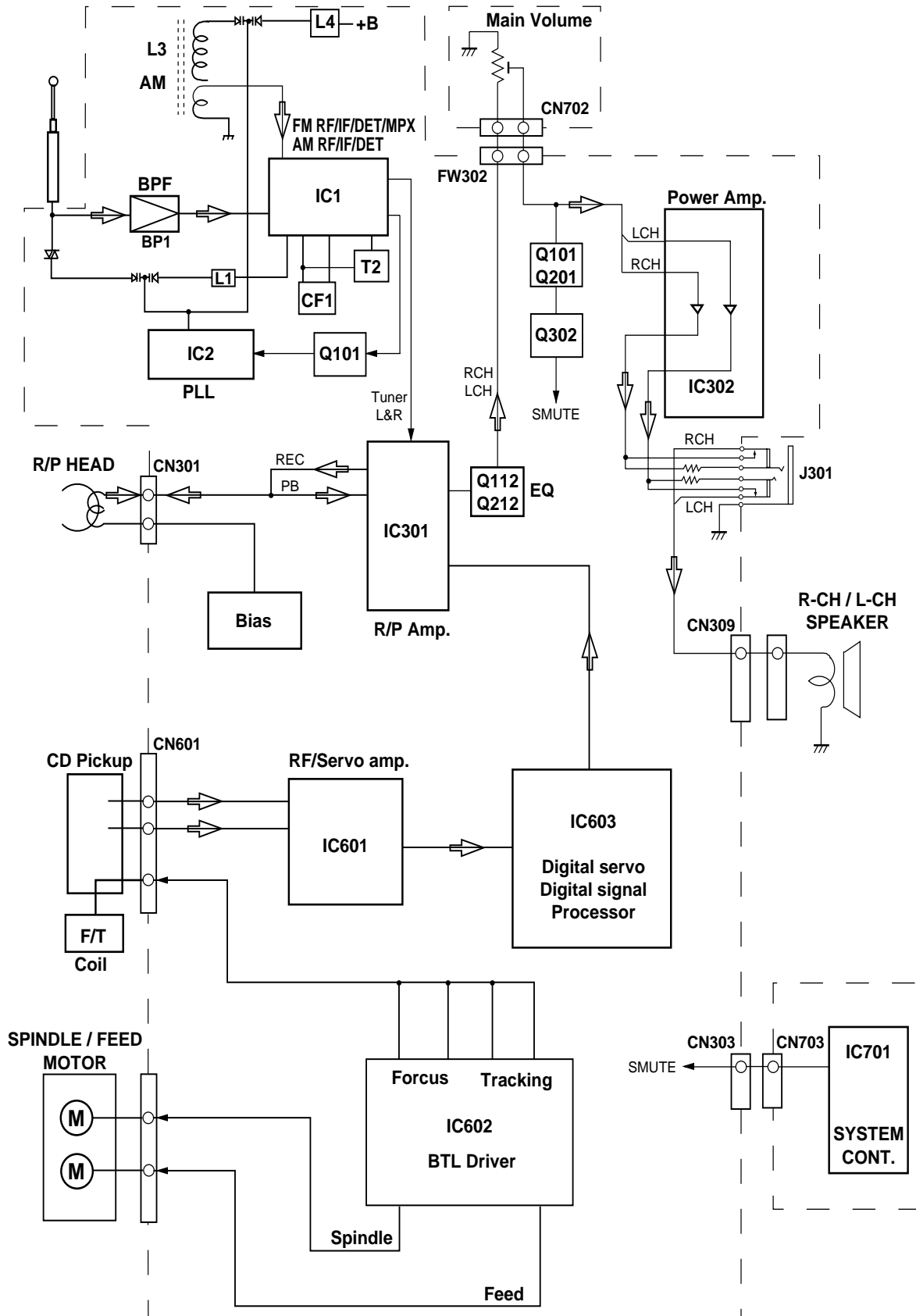
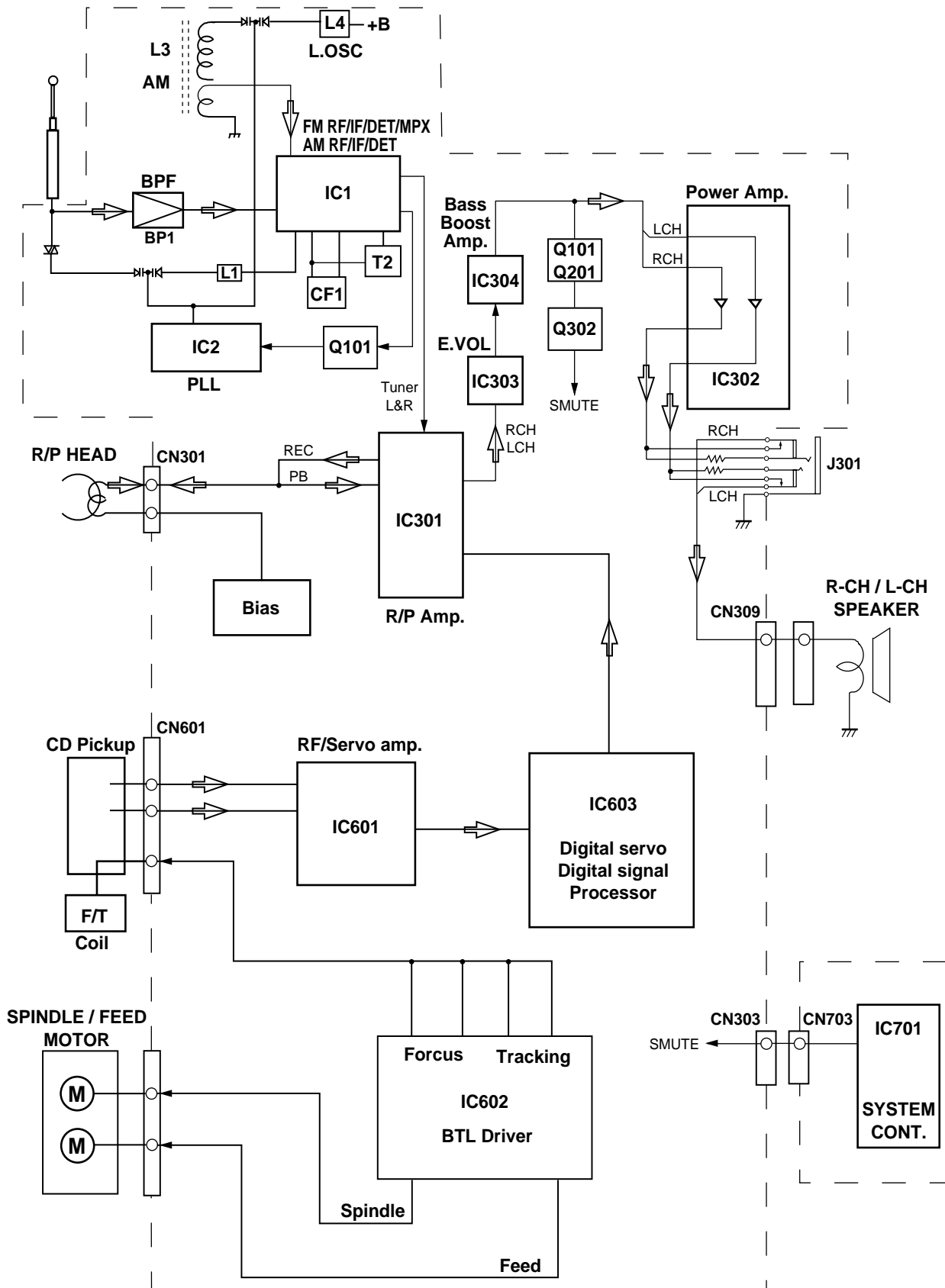


Block diagrams (RC-BZ5LB/BZ5RD)

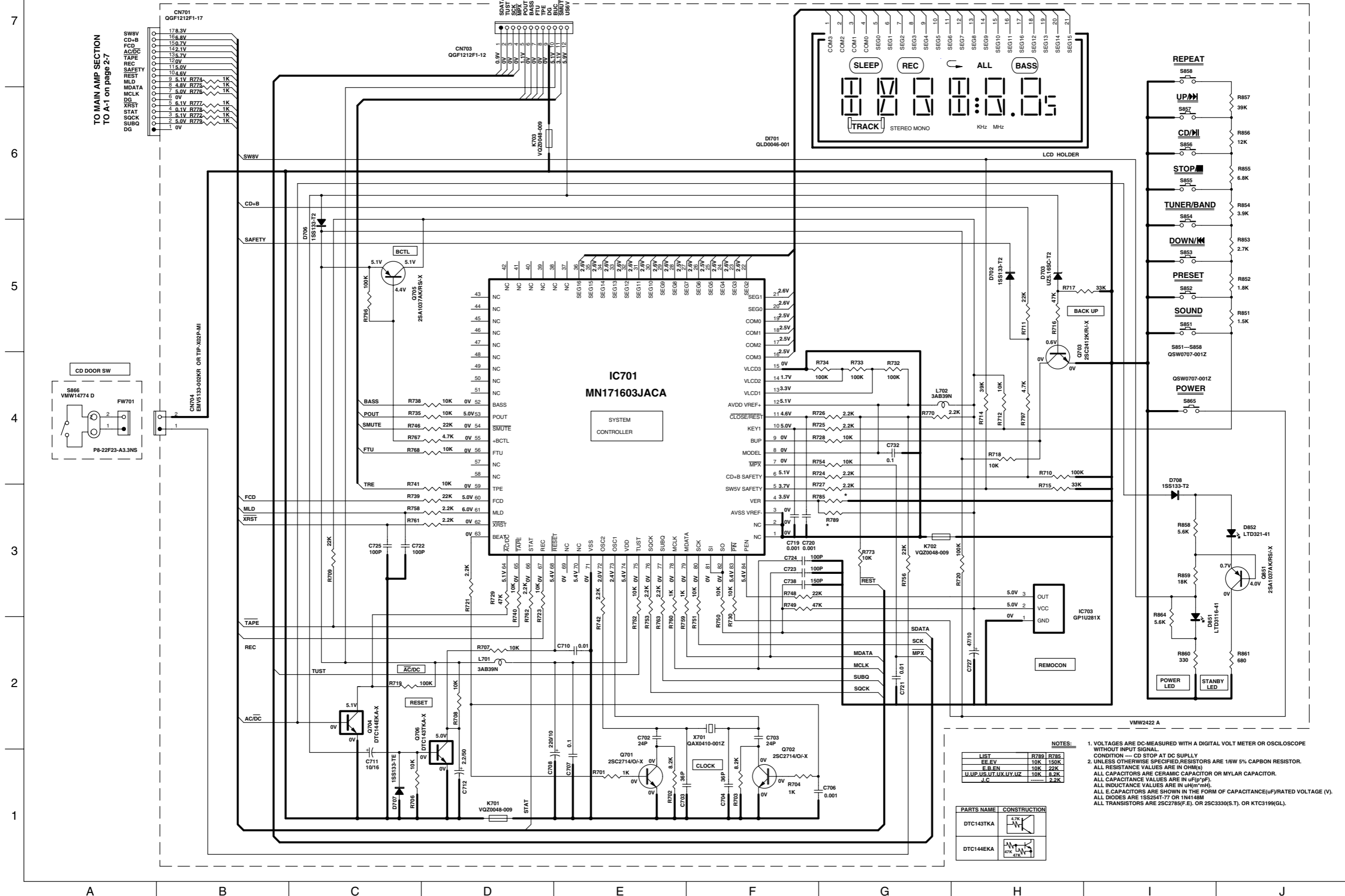


Block diagrams (RC-BZ6BU)



Standard schematic diagrams

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



NOTES:

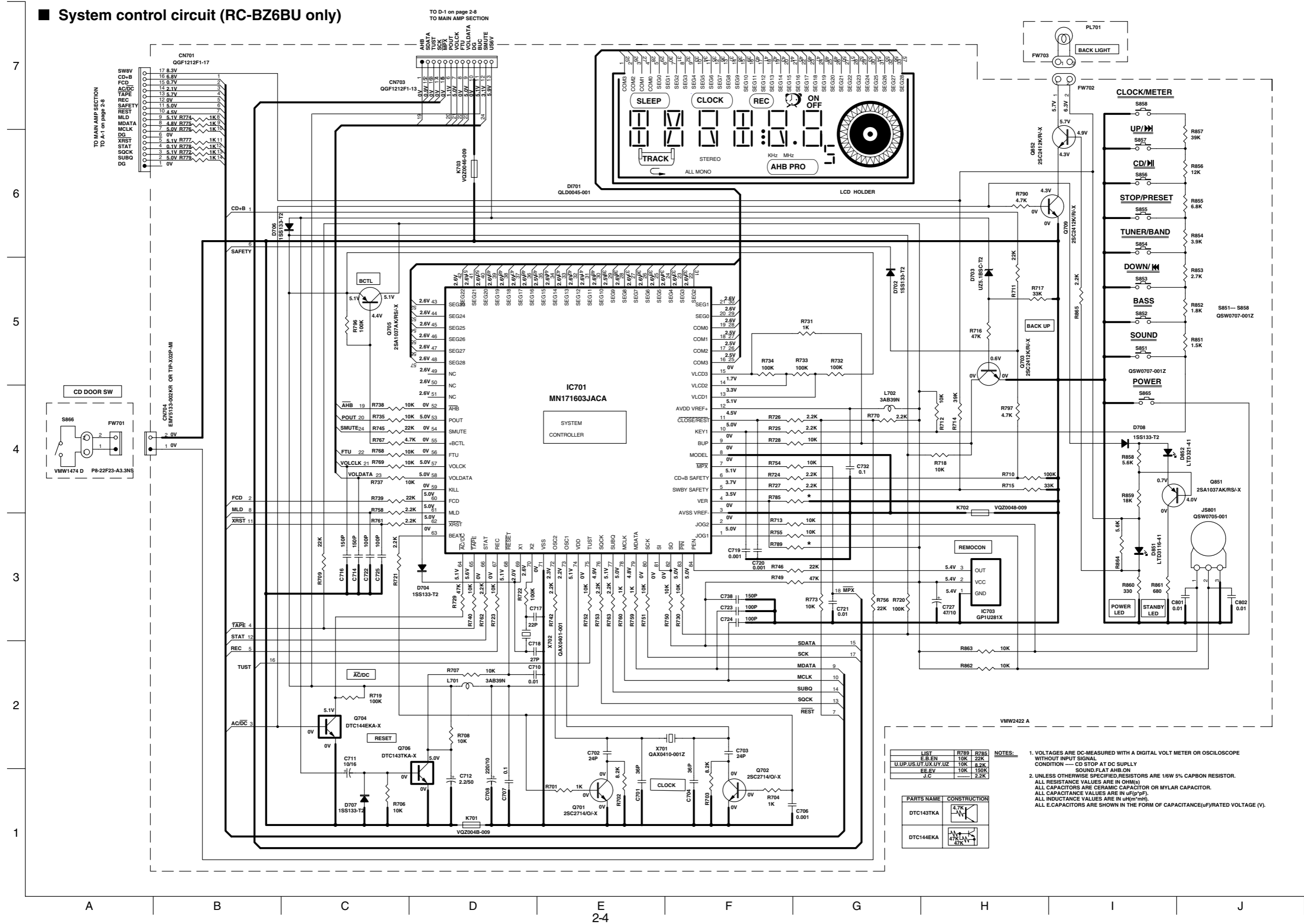
LIST	R789	R785
EE.EV	10K	150K
E.B.EN	10K	22K
U.U.P.U.S.U.T.U.X.U.Y.U.Z	10K	8.2K
J.C	2.2K

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP AT DC SUPPLY
2. 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	

RC-BZ5LB/BZ5RD
RC-BZ6BU

■ System control circuit (RC-BZ6BU only)



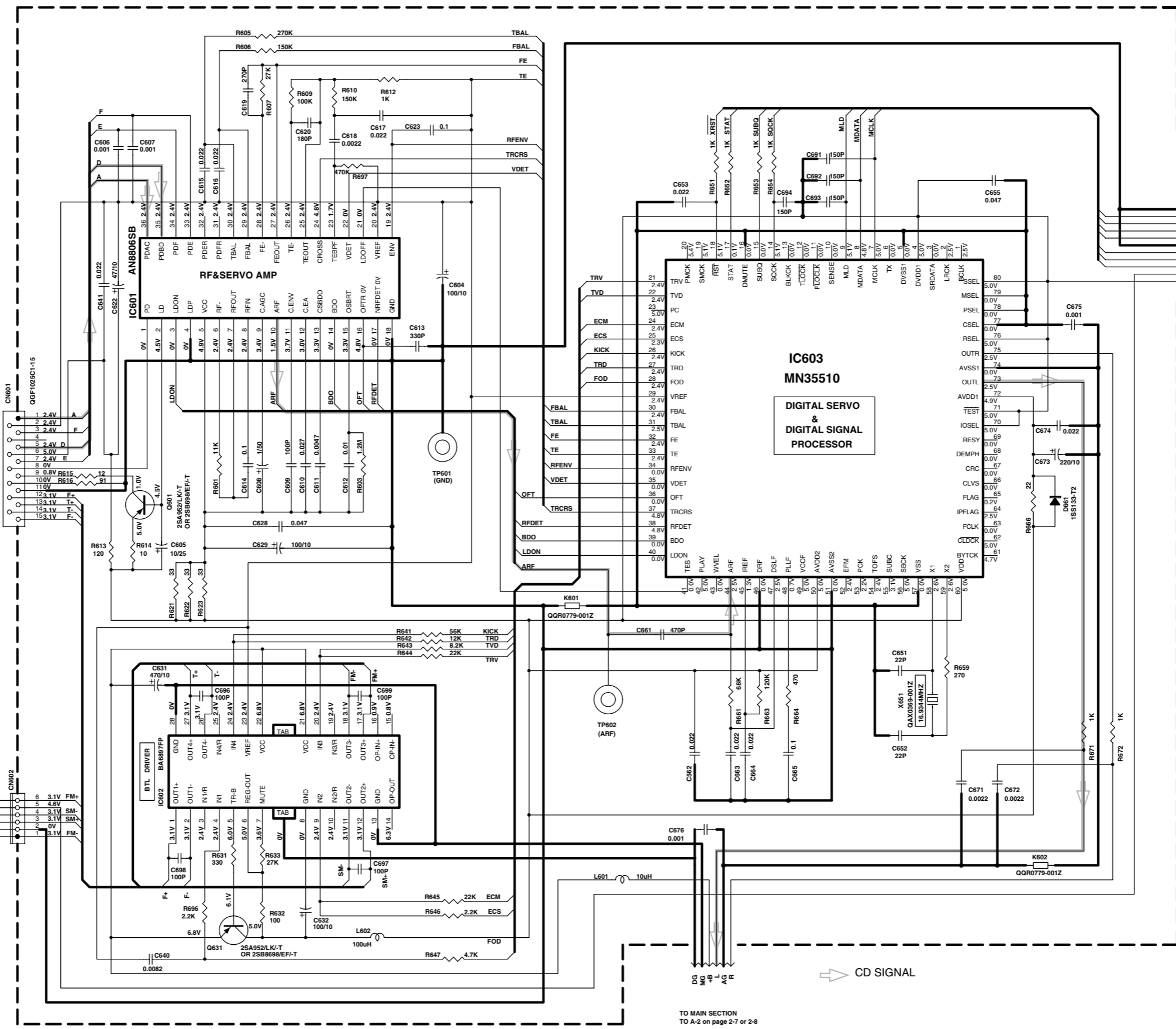
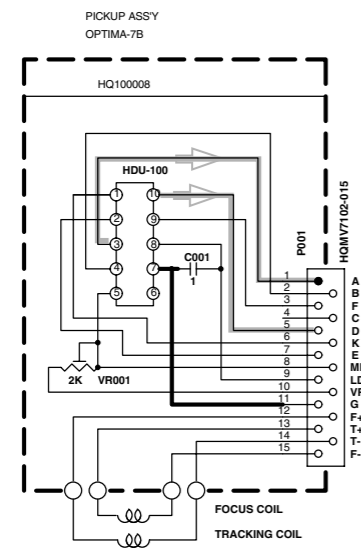
NOTES:

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

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

PARTS NAME	CONSTRUCTION
DTC143TKA	4.7K
DTC144EKA	47K

■ CD amplifire circuit



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

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 A-2 on page 2-7 or 2-8

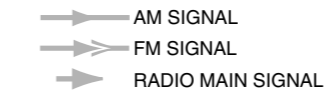
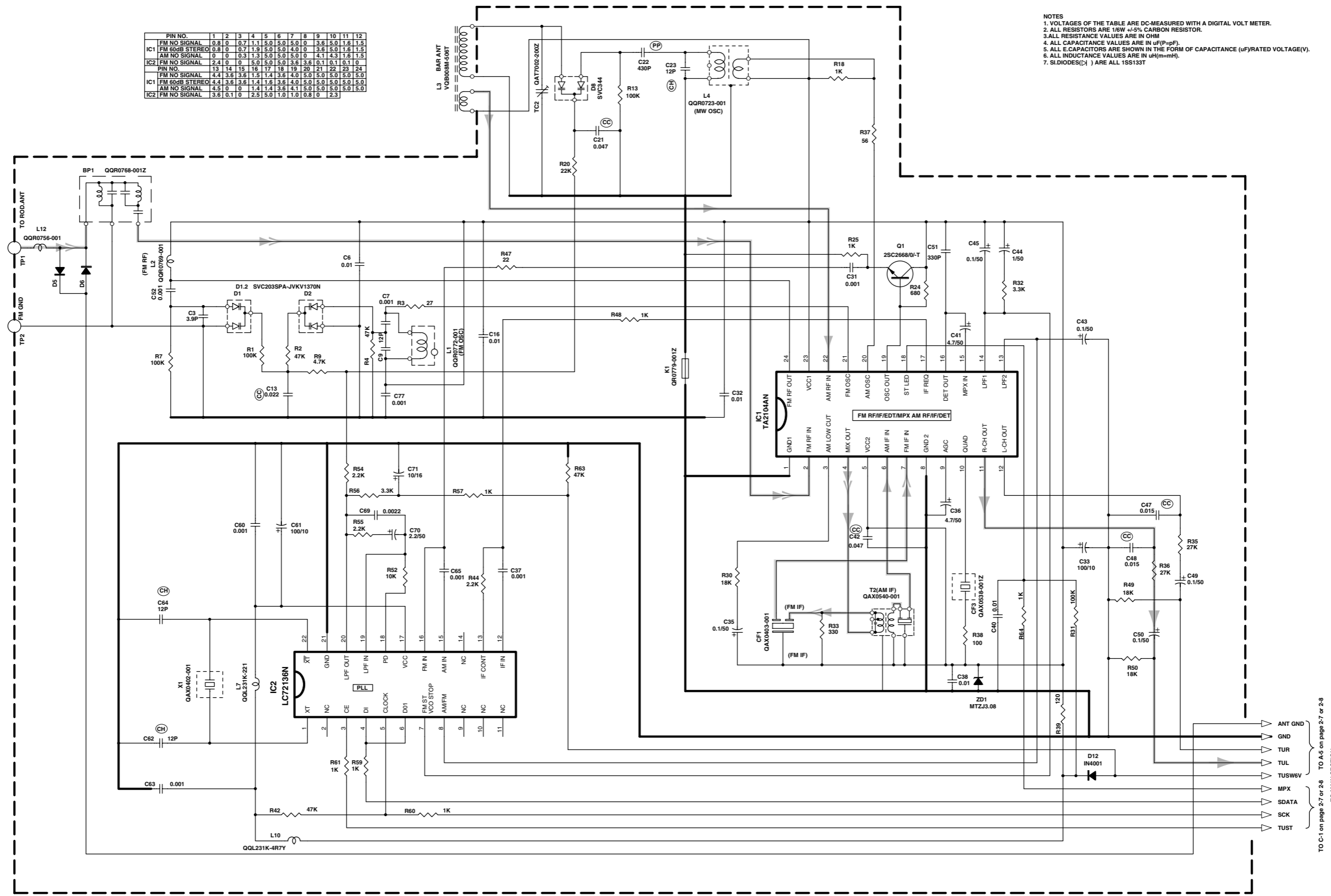
CD SIGNAL

RC-BZ5LB/BZ5RD
RC-BZ6BU

■ 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
IC1 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
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	5.0
IC2 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
IC2 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

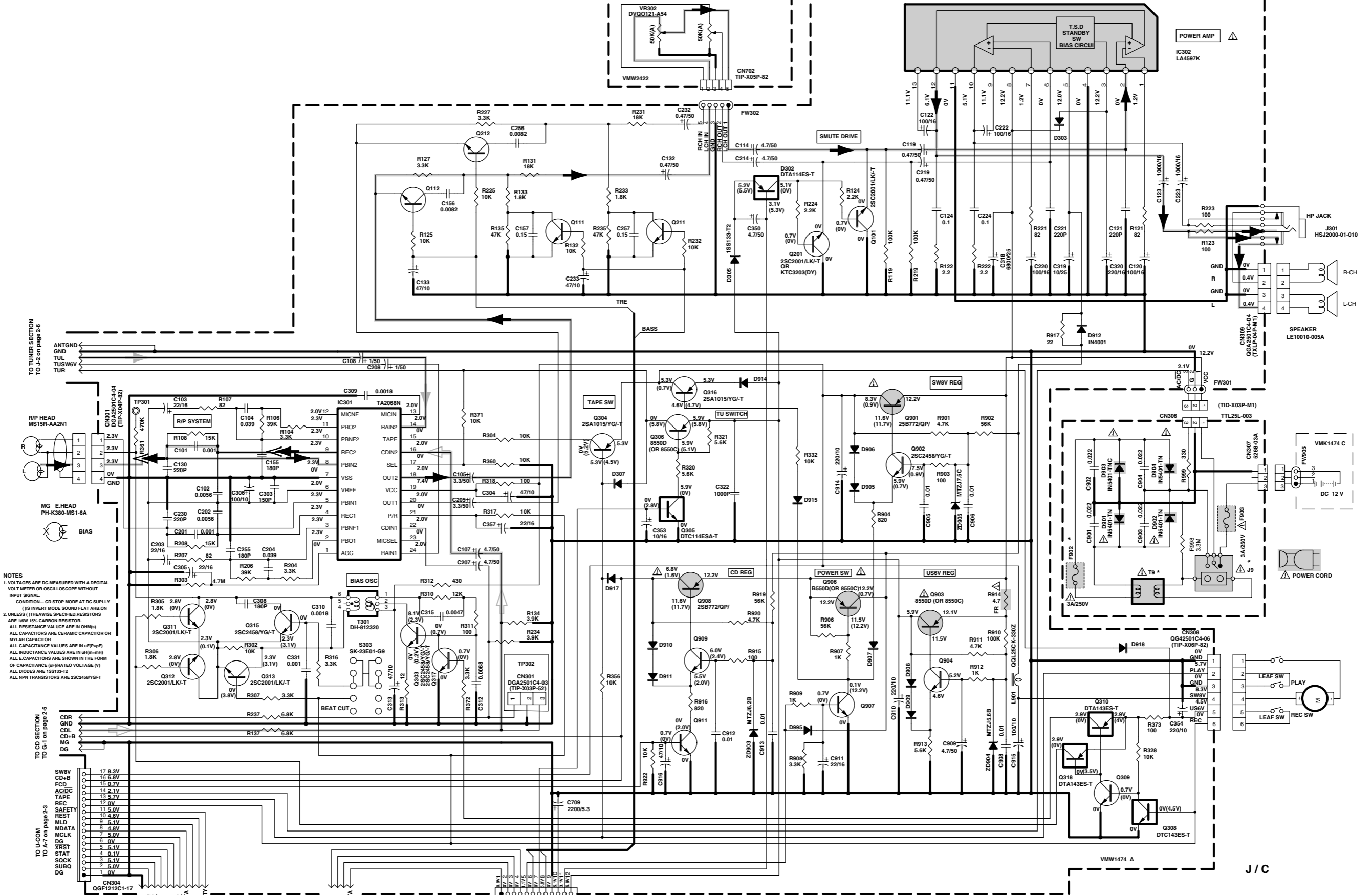


J/C/B/E/EN/U/UP/US/UT/UX/UY/UZ

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

Amplifier circuit (RC-BZ5LB/BZ5RD only)

7
6
5
4
3
2
1



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

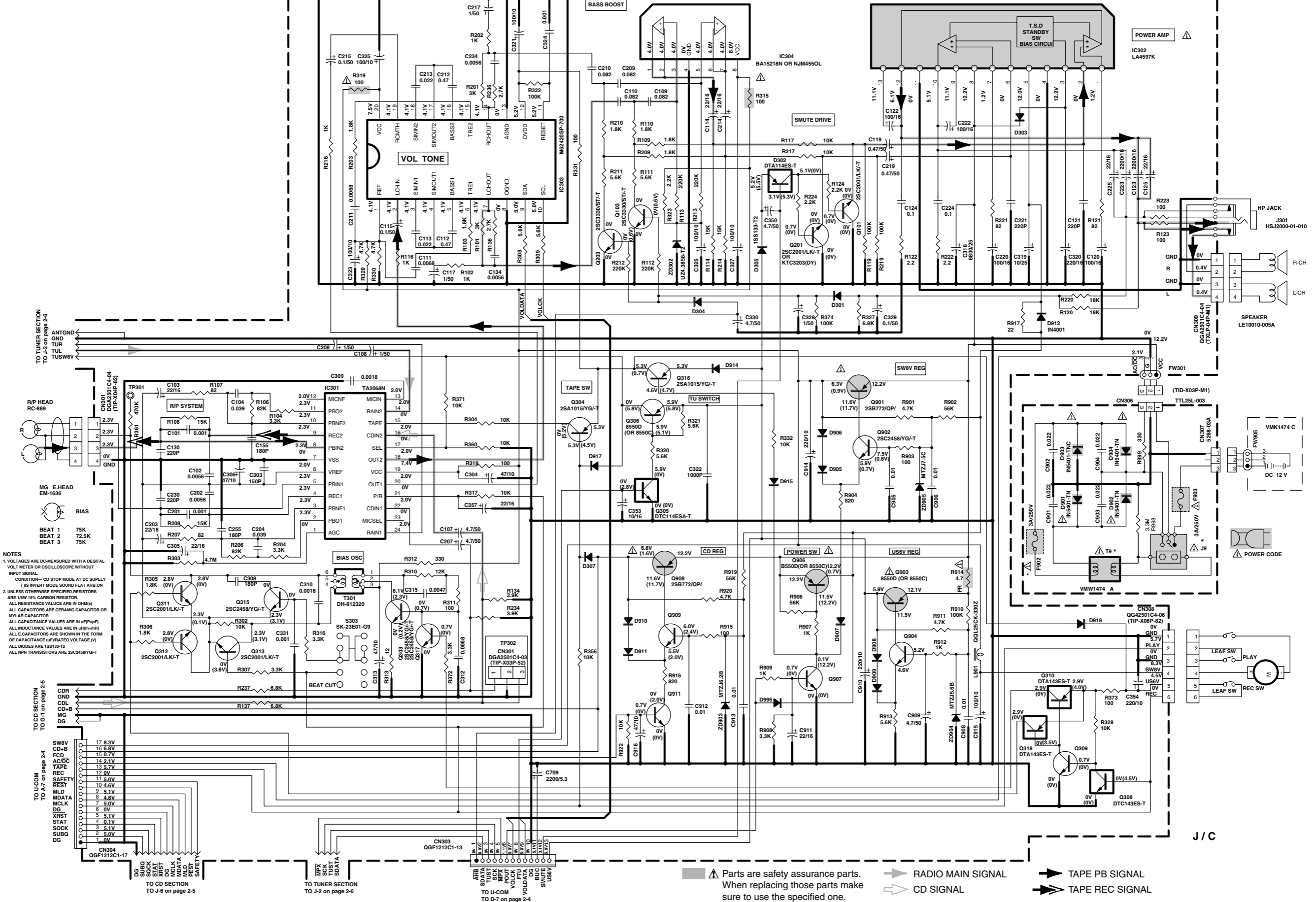
TO CD SECTION TO G-1 on page 2-5
TO CD SECTION TO J-6 on page 2-5
TO CD SECTION TO J-2 on page 2-6
TO L-COM TO A-7 on page 2-3
TO L-COM TO D-7 on page 2-3
TO L-COM TO G-1 on page 2-5
TO L-COM TO G-2 on page 2-5
TO L-COM TO G-3 on page 2-5
TO L-COM TO G-4 on page 2-5
TO L-COM TO G-5 on page 2-5
TO L-COM TO G-6 on page 2-5
TO L-COM TO G-7 on page 2-5
TO L-COM TO G-8 on page 2-5
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TO L-COM TO G-98 on page 2-5
TO L-COM TO G-99 on page 2-5
TO L-COM TO G-100 on page 2-5

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

A B C D E F G H I J

RC-BZ5LB/BZ5RD
RC-BZ6BU

Amplifier circuit (RC-BZ6BU only)



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

ANTGND
GND
TUR
TUL
TUSW6V

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 (P5) INVERT MODE SOUND FLAT AFB ON

2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W 1% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(S)
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/RATED VOLTAGE (V))
ALL DIODES ARE 1SS133-T2
ALL NPN TRANSISTORS ARE 2SC2458/YG/T

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

CDR
GND
CDL
CD-B
MG
DG

SWB9
CD-B
FCD
AC/DC
TAPE
REC
SAFETY
REST
MLD
MDATA
MCLK
DG
XRST
STAT
SQCK
SUBQ
DG

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

DG
SQCK
STAT
XRST
MCLK
MDATA
MCLK
DG
XRST
STAT
SQCK
SUBQ
DG

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

DG
SQCK
STAT
XRST
MCLK
MDATA
MCLK
DG
XRST
STAT
SQCK
SUBQ
DG

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

MPX
SUB
TUST
SDATA

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

ARB
SUB
TUST
SDATA
VOLDATA
VOLCK
SMUTE
VCC

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

➡ RADIO MAIN SIGNAL

➡ TAPES PB SIGNAL

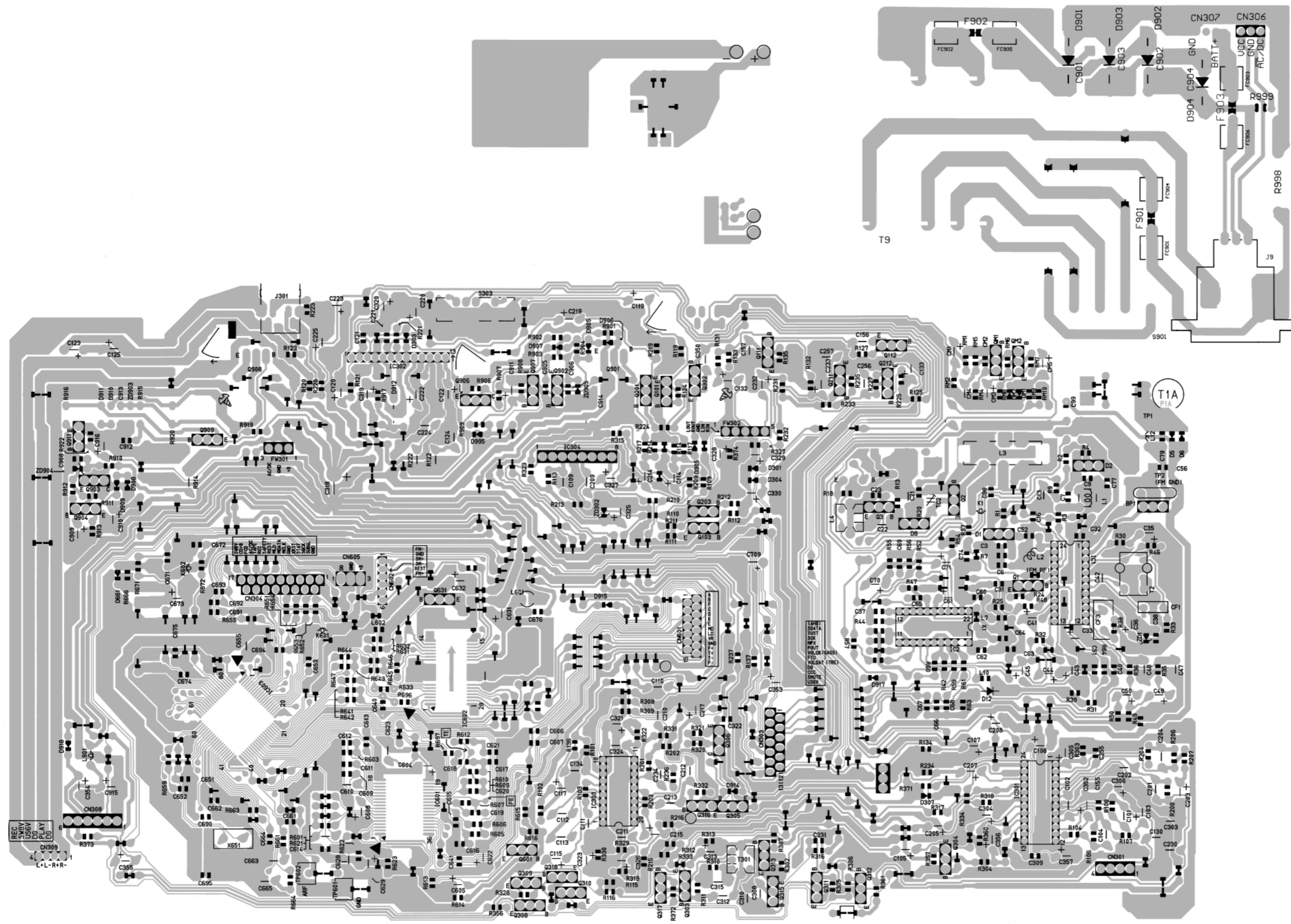
➡ CD SIGNAL

➡ TAPES REC SIGNAL

Printed circuit boards

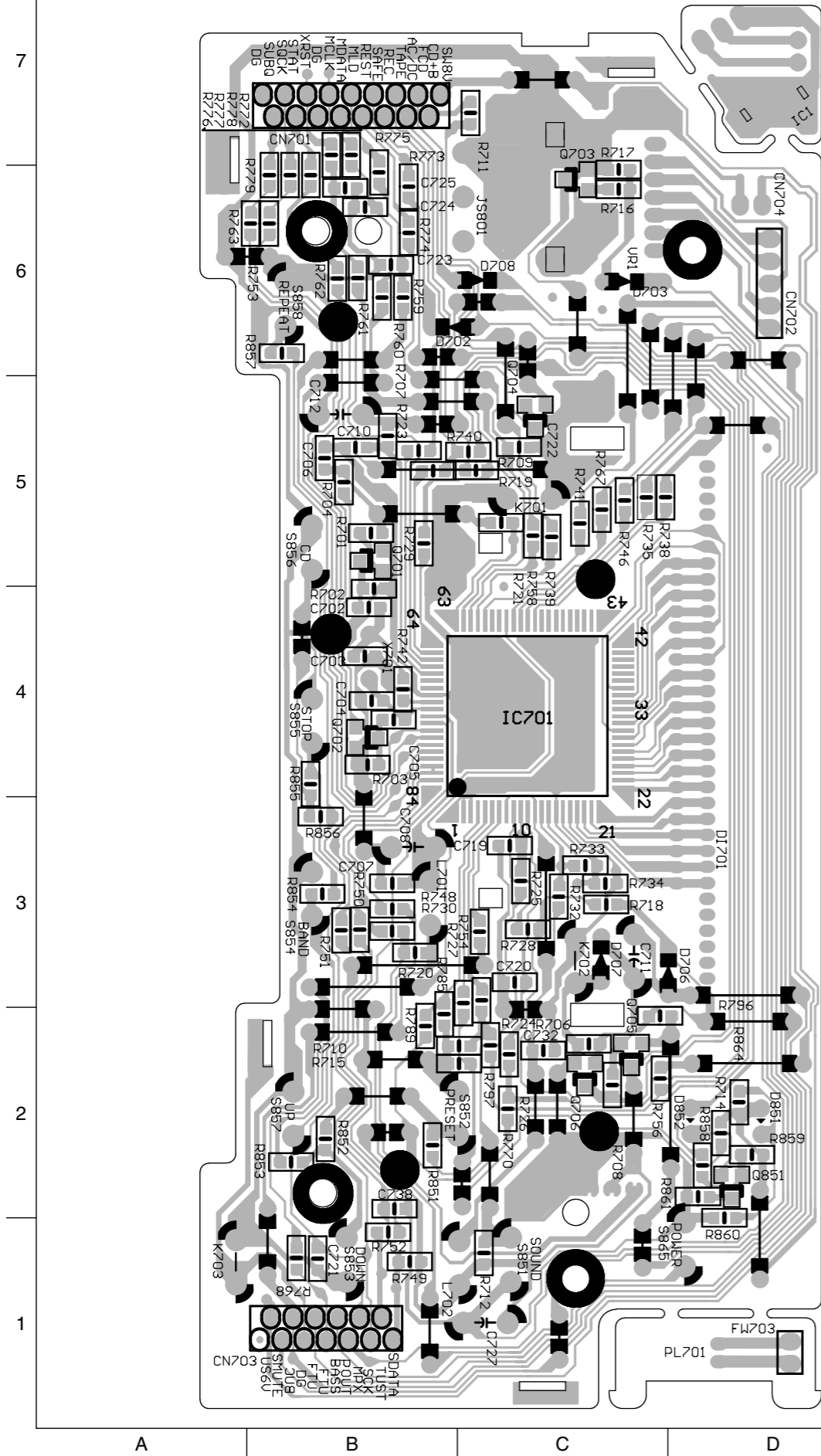
■ Main board Block No. 01

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

