FILE NO.

SERVICE MANUAL

FISHER

TAD S9

(DE)

Super Mini Component System

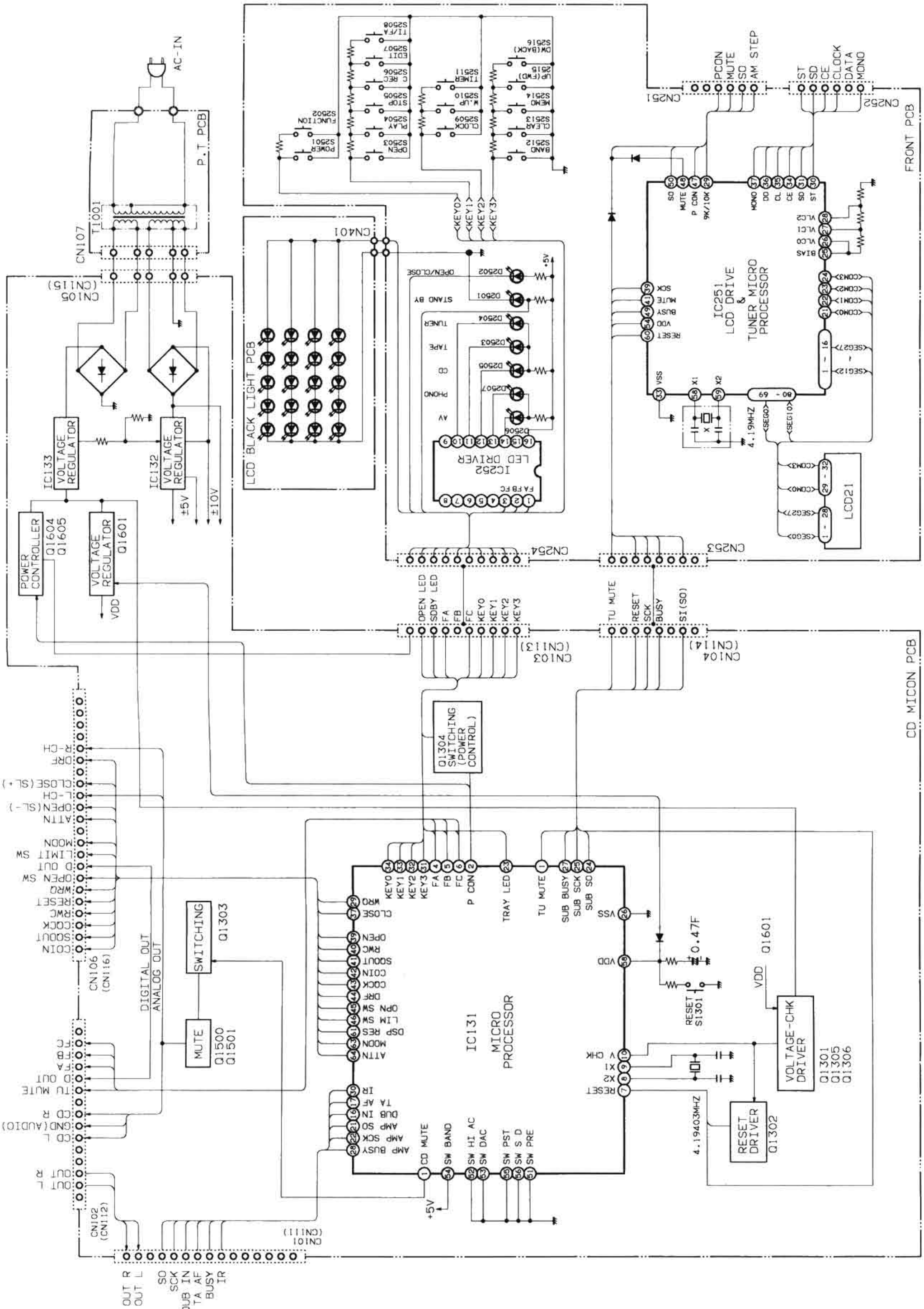
Contents

This Service manual is consist of "REM S3", "TUP S9", "CAC S9", "BA S9".

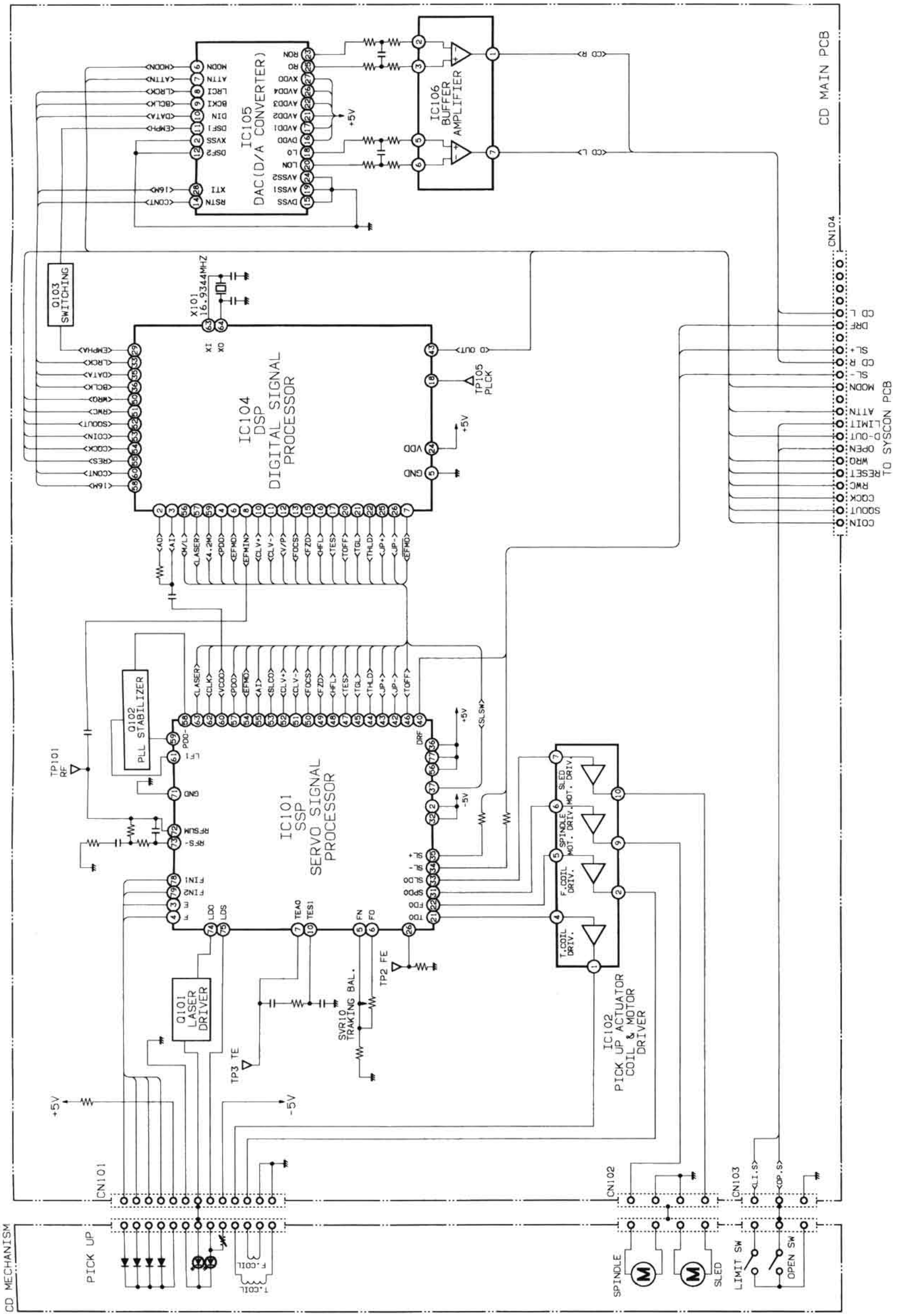
PRODUCT CODE No.
129 371 02

REFERENCE No. SM580060

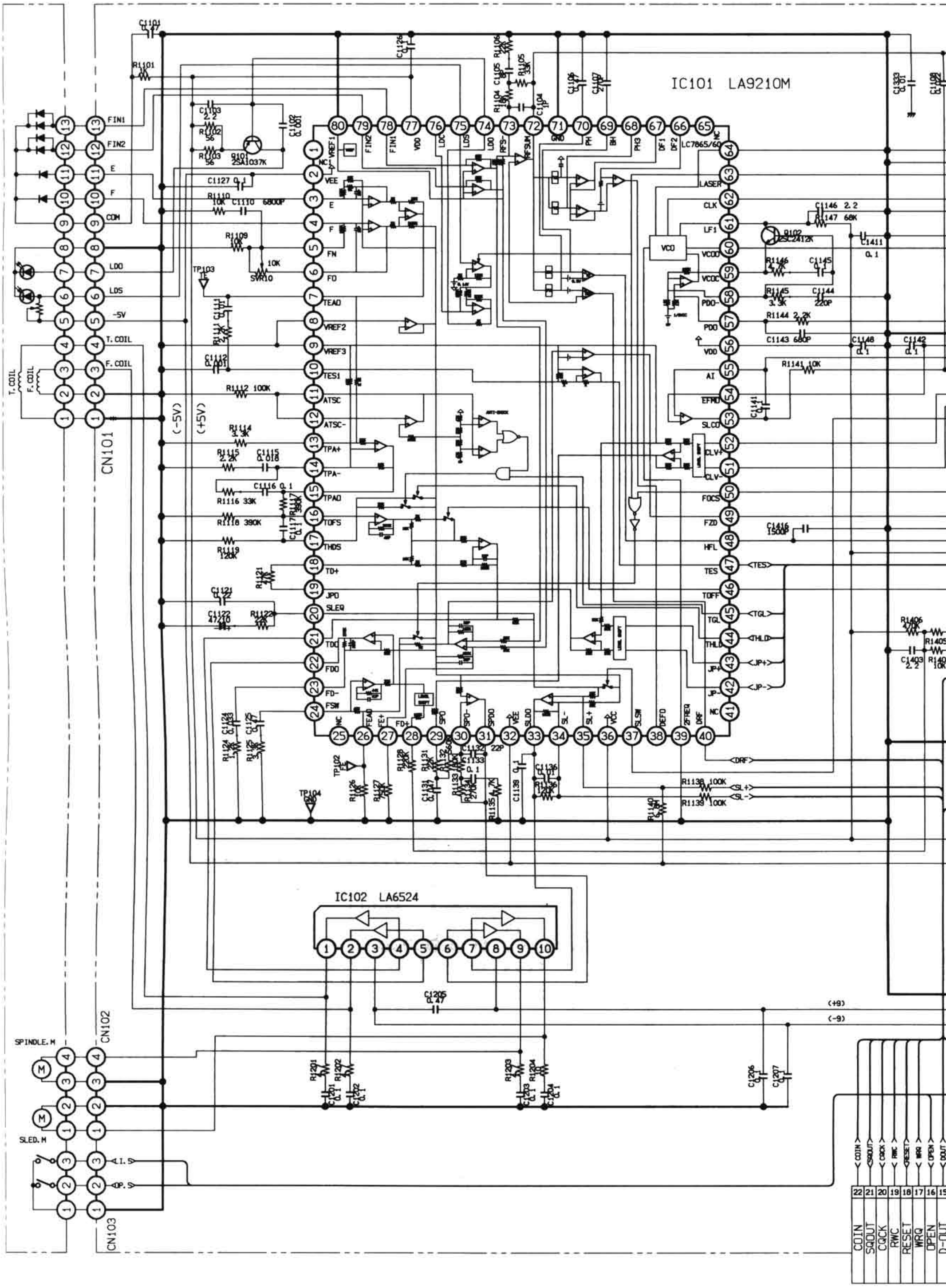
BLOCK DIAGRAM (SYSCON & FRONT)



BLOCK DIAGRAM (CD MAIN)



SCHEMATIC DIAGRAM (CD MAIN)



LIM/OPN SW
CN103
3Pin
SLE/SPIN MOTOR
CN102
4Pin
CD-MAIN BLOCK
CN104
22PIN FFC
MAIN MICON BLOCK
13Pin FFC
CN101
PICK UP

IC104 LC7866E

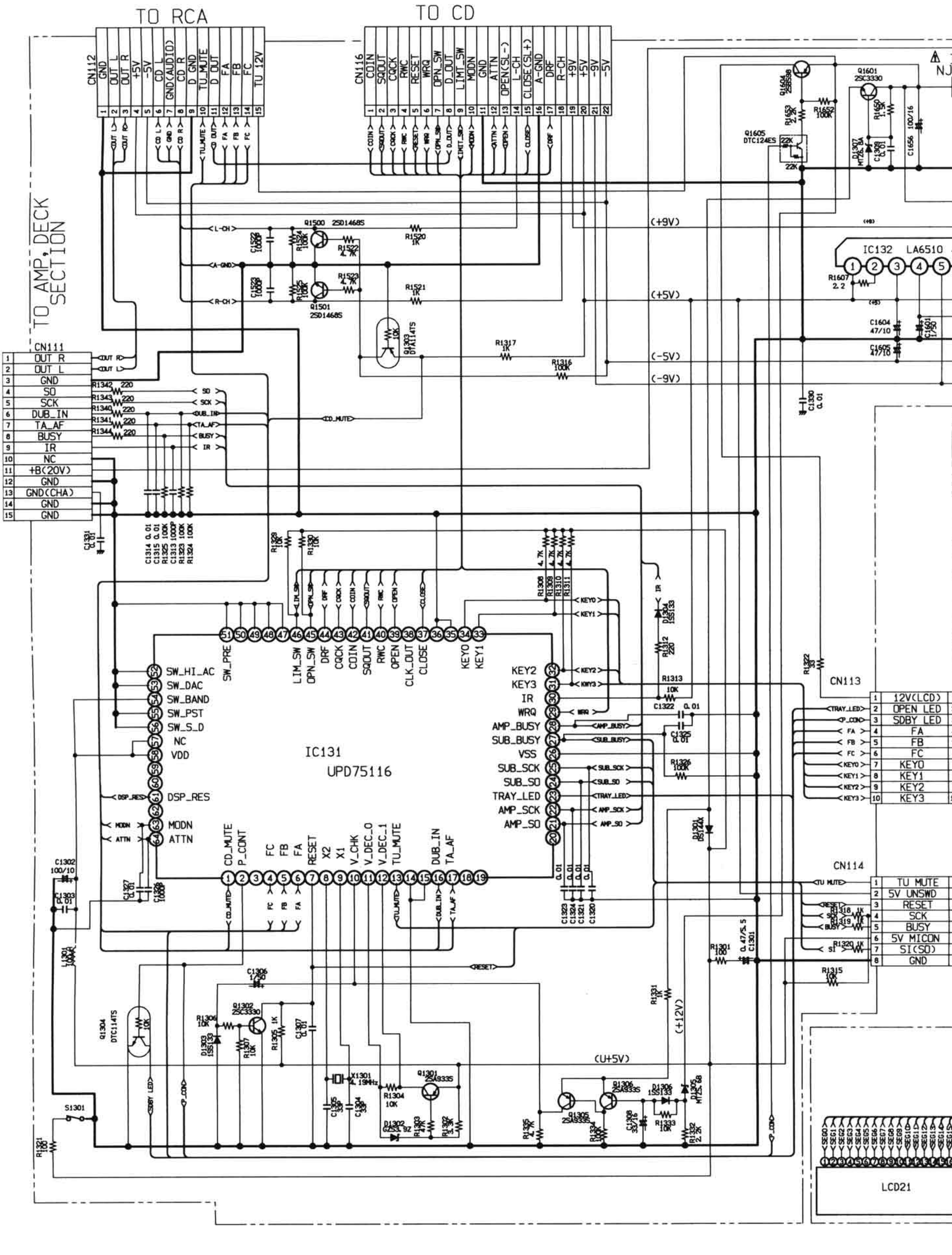
IC105 SM5870DS

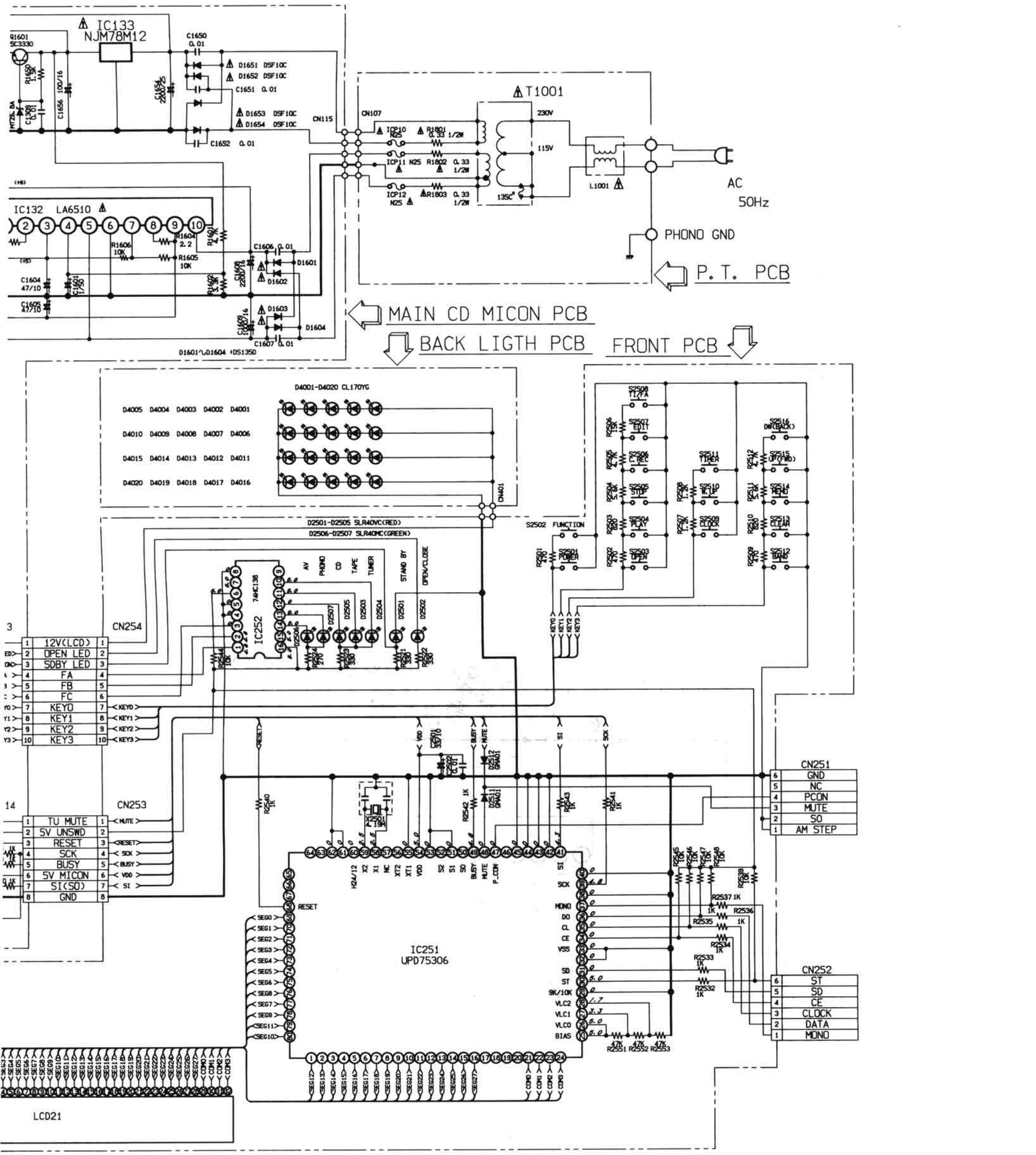
IC106 (1/2) XRA15218F

IC106 (1/2) XRA15218F

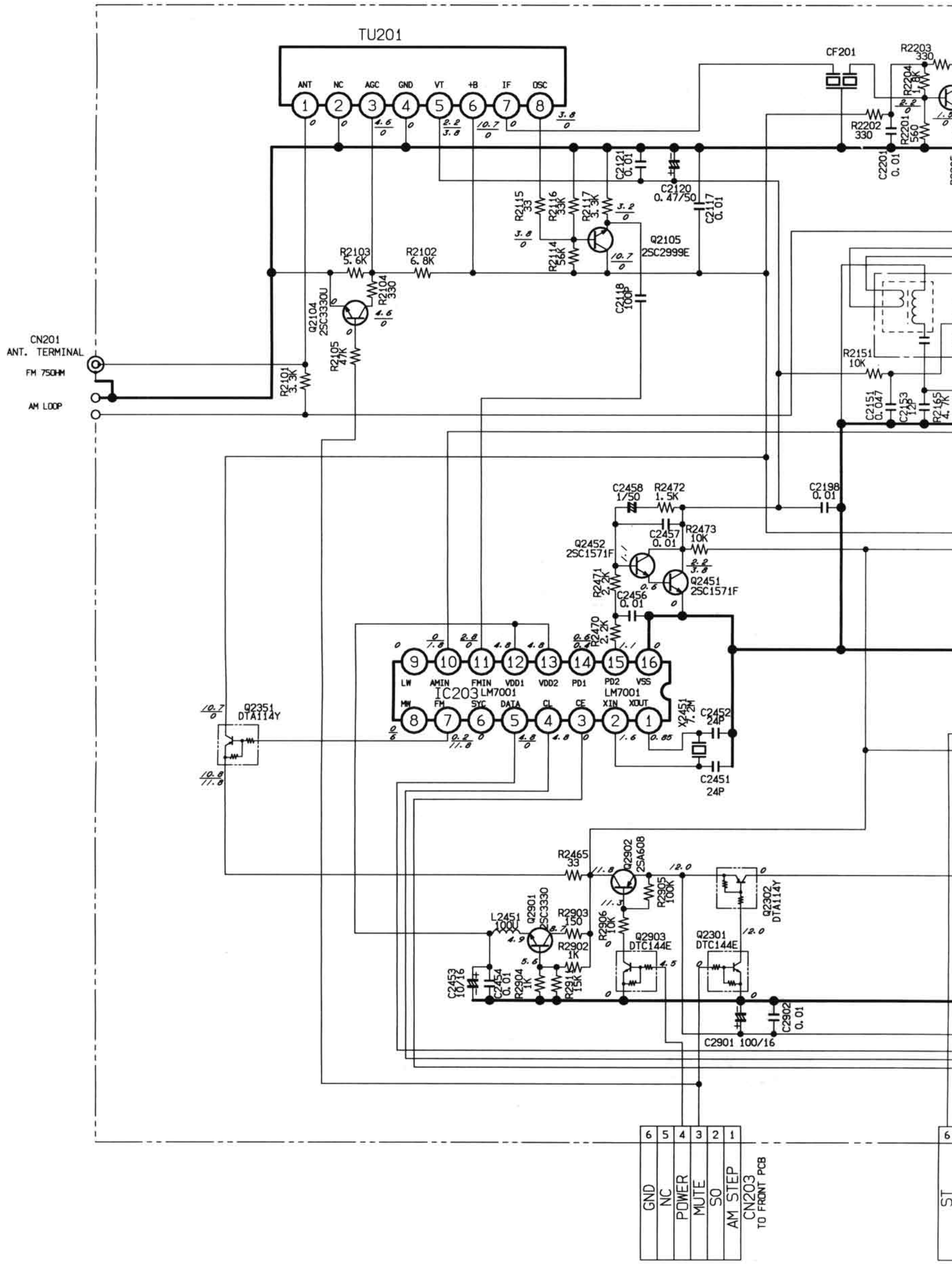
CN104
TO SYSCON PCB

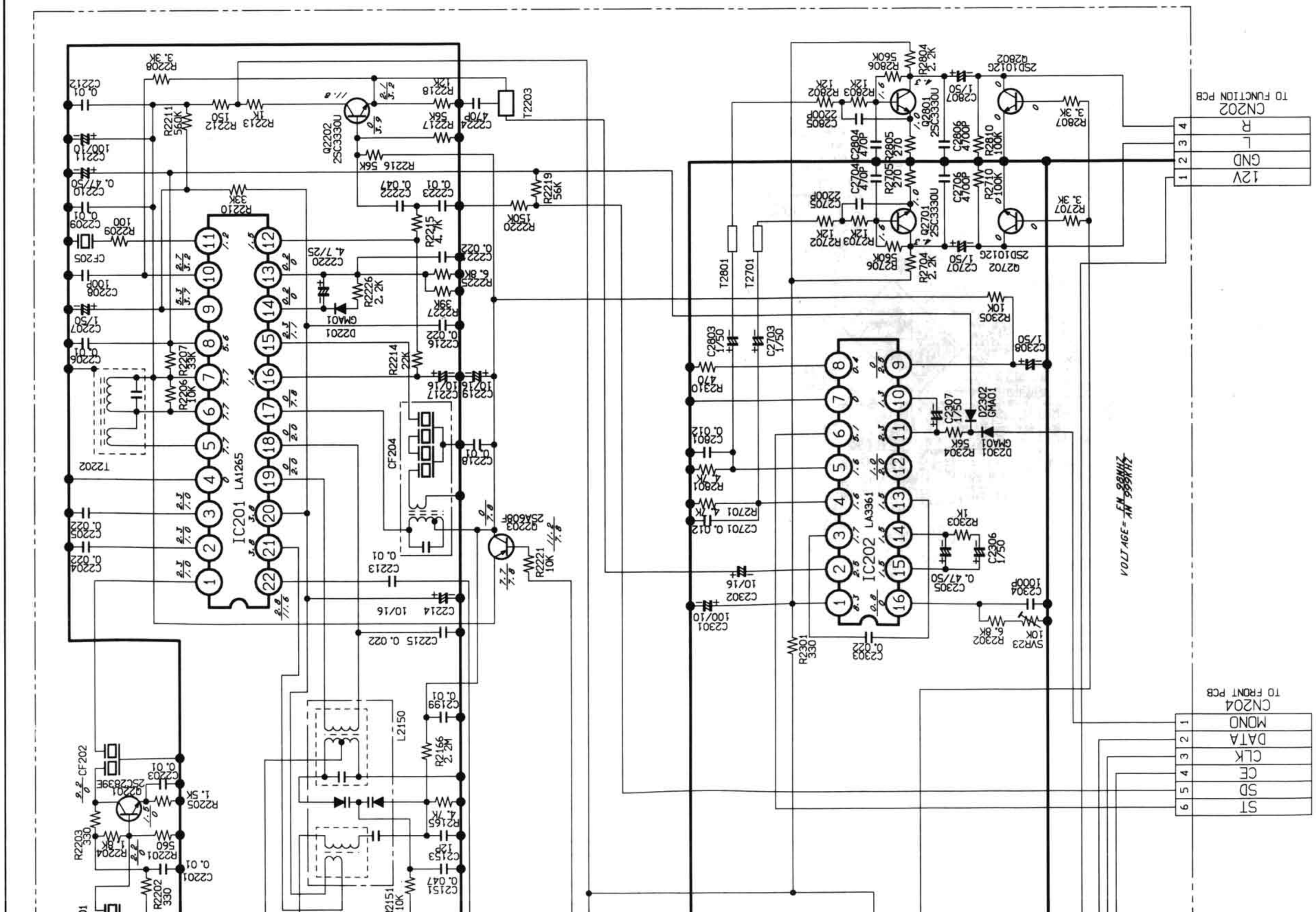
SCHEMATIC DIAGRAM (SYSCON & FRONT)



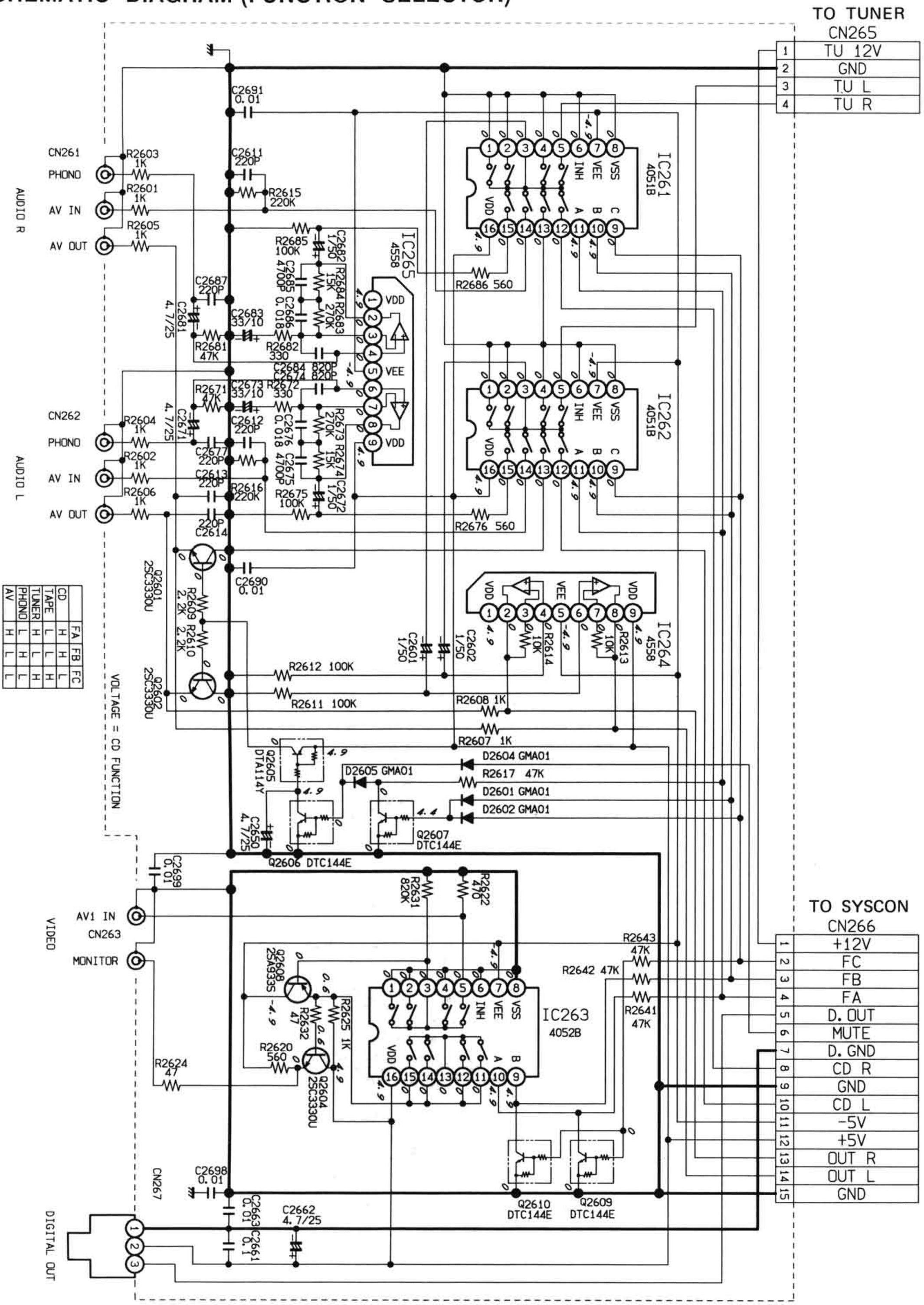

IC133
NJM78M12
Q1601
SC3330
C1650
0.01
D1651 DSF10C
D1652 DSF10C
C1651 0.01
D1653 DSF10C
D1654 DSF10C
C1652 0.01
CN115
CN107
T1001
230V
115V
135C°
ICP10 N25
R1801 0.33 1/2W
ICP11 N25
R1802 0.33 1/2W
ICP12 N25
R1803 0.33 1/2W
L1001
AC
50Hz
PHONO GND
P. T. PCB
IC132 LA6510
R1604 2.2
R1606 10K
R1605 10K
C1606 0.01
D1601
D1602
D1603
D1604
C1607 0.01
D1601~D1604 :DS1350
MAIN CD MICON PCB
BACK LIGTH PCB
FRONT PCB
D4001-D4020 CL170YG
D4005 D4004 D4003 D4002 D4001
D4010 D4009 D4008 D4007 D4006
D4015 D4014 D4013 D4012 D4011
D4020 D4019 D4018 D4017 D4016
CN401
D2501-D2505 SLR40VC(RED)
D2506-D2507 SLR40MC(GREEN)
S2502 FUNCTION
S2508 TI/FA
S2507 EDIT
S2506 CREC
S2505 STOP
S2504 PLAY
S2503 REW
S2511 TIMER
S2510 MEMO
S2509 CLOCK
S2516 DW(BACK)
S2515 UP(FWD)
S2514 MEMO
S2513 CLEAR
S2512 BAND
S2501 POWER
KEY0
KEY1
KEY2
KEY3
IC252
74HC138
AV
PHONO
CD
TAPE
TUNER
STAND BY
OPEN/CLOSE
CN254
1 12V(LCD)
2 OPEN LED
3 SDBY LED
4 FA
5 FB
6 FC
7 KEY0
8 KEY1
9 KEY2
10 KEY3
CN253
1 TU MUTE
2 5V UNSWD
3 RESET
4 SCK
5 BUSY
6 5V MICON
7 SI(SO)
8 GND
RESET
VDD
BUSY
MUTE
SI
SCK
X2501
R2540 1K
R2542 1K
R2543 1K
R2541 1K
IC251
UPD75306
SCK
MONO
DO
CL
CE
VSS
SO
ST
9K/10K
VLC2
VLC1
VLC0
BIAS
R2545 10K
R2546 10K
R2547 10K
R2548 10K
R2539 10K
R2537 1K
R2536 1K
R2535 1K
R2534 1K
R2533 1K
R2532 1K
47K R2551
47K R2552
47K R2553
CN251
6 GND
5 NC
4 PCON
3 MUTE
2 SO
1 AM STEP
CN252
6 ST
5 SD
4 CE
3 CLOCK
2 DATA
1 MONO
LCD21

SCHEMATIC DIAGRAM (TUNER)

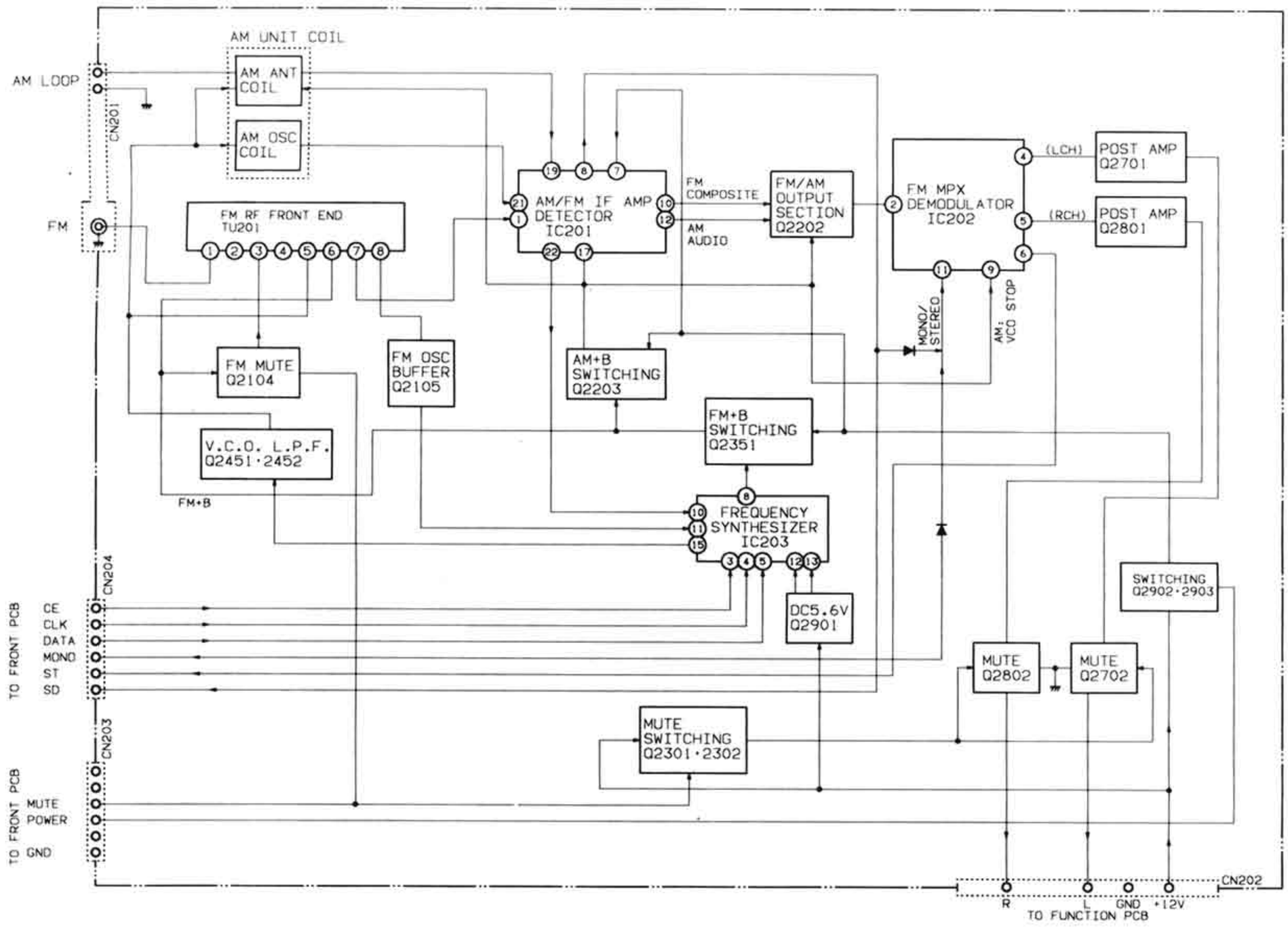



IC201 LA1265
IC202 LA3361
CN202
TO FUNCTION PCB
12V
GND
L
R
CN204
TO FRONT PCB
MONO
DATA
CLK
CE
SD
ST
VOLTAGE=FM 288MHz

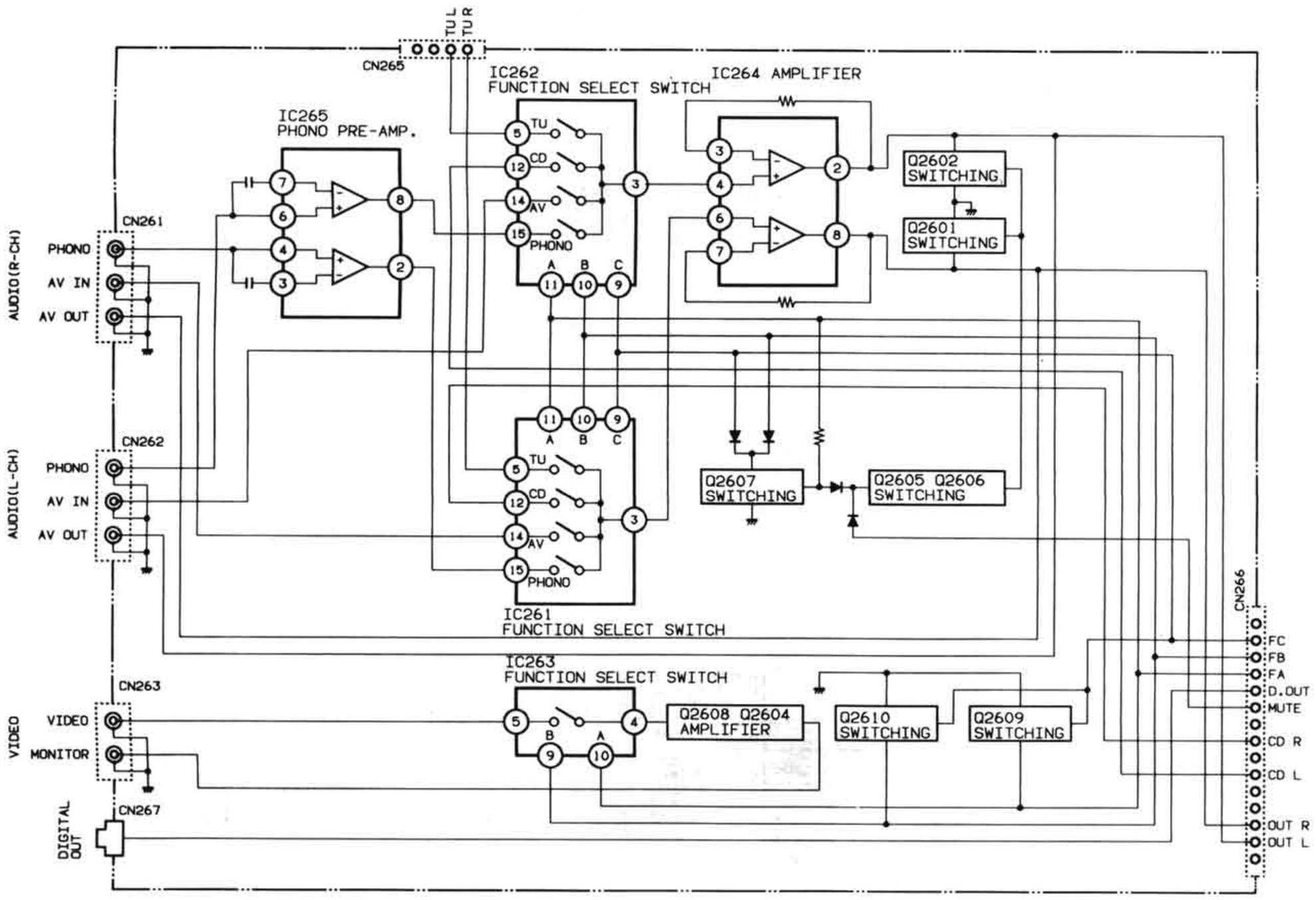
SCHEMATIC DIAGRAM (FUNCTION SELECTOR)



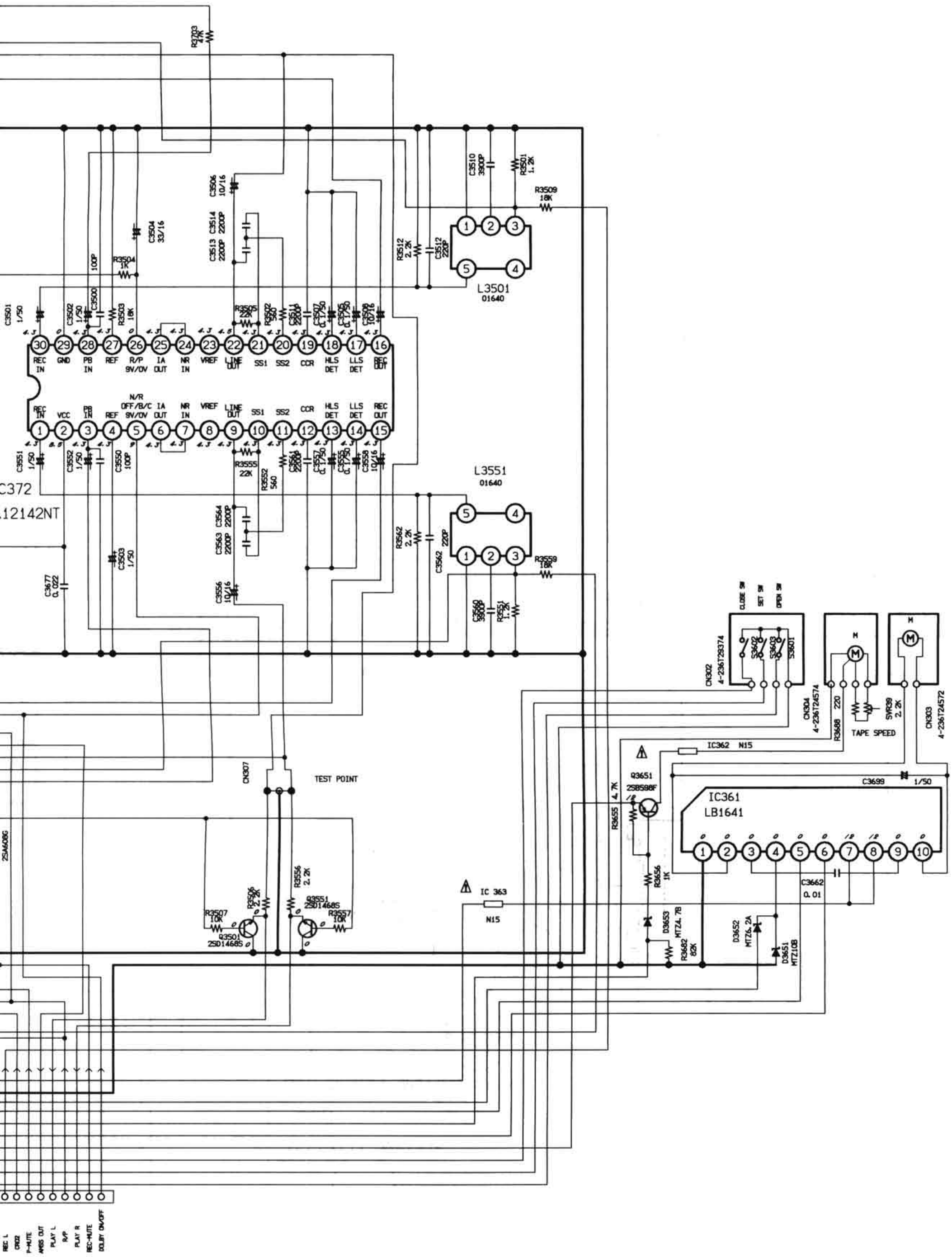
BLOCK DIAGRAM (TUNER)



BLOCK DIAGRAM (FUNCTION SELECTOR)



SCHEMATIC DIAGRAM (TAPE DECK AMPLIFIER)


R3703 47K
C3506 10/16
C3514 2200P
C3513 2200P
C3504 33/16
R3504 1K
100P
C3510 3900P
R3501 1.2K
R3509 18K
R3512 2.2K
C3512 220P
L3501 01640
C3501 1/50
C3502 1/50
C3500
R3503 18K
R3505 22K
R3502 560
C3507 0.1/50
C3505 0.1/50
C3508 10/16
30 REC IN
29 GND
28 PB IN
27 REF
26 R/P 9V/0V
25 IA OUT
24 NR IN
23 VREF
22 LINE OUT
21 SS1
20 SS2
19 CCR
18 HLS DET
17 LLS DET
16 REC OUT
N/R OFF/B/C
1 REC IN
2 VCC
3 PB IN
4 REF
5 9V/0V
6 IA OUT
7 NR IN
8 VREF
9 LINE OUT
10 SS1
11 SS2
12 CCR
13 HLS DET
14 LLS DET
15 REC OUT
C3551 1/50
C3552 1/50
C3550 100P
R3555 22K
R3552 560
C3564 2200P
C3563 2200P
C3503 1/50
C3556 10/16
C3677 0.022
C372
.12142NT
L3551 01640
R3562 2.2K
C3562 220P
R3559 18K
C3560 3900P
R3551 1.2K
CN307
TEST POINT
2SA608G
R3506 2.2K
R3507 10K
Q3501 2SD1468S
R3556 2.2K
Q3551 2SD1468S
R3557 10K
IC 363
N15
CN302 4-236729374
S3602
S3603
S3601
CLOSE SW
SET SW
OPEN SW
CN304 4-236724574
R3688 220
SVR39 2.2K
TAPE SPEED
CN303 4-236724572
IC362 N15
Q3651 2SB588F
R3655 4.7K
R3656 1K
C3699 1/50
IC361 LB1641
1 2 3 4 5 6 7 8 9 10
C3662 0.01
D3653 MTZ4.7B
R3682 82K
D3652 MTZ6.2A
D3651 MTZ10B
REC L
CR02
P-MUTE
ANSS OUT
PLAY L
R/P
PLAY R
REC-MUTE
DOLBY ON/OFF

SCHEMATIC DIAGRAM (FRONT)

CN401
D4001 D4002 D4003 D4004 D4005
D4006 D4007 D4008 D4009 D4010
D4011 D4012 D4013 D4014 D4015
D4016 D4017 D4018 D4019 D4020
D4001-D4020:CL-170YG-CD-C
CL-170YG-CD-D
CL-170YG-CD-E
COMMON USE

R4617 560 S4600 OPEN/SLOSE
R4618 680 S4601 AMSS/GEQ UP
R4619 820 S4602 FWD PLAY
R4620 1.2K S4603 STOP
R4621 1.5K S4604 REV PLAY
R4622 2.2K S4605 AMSS/GEQ DWN
S4606 REC PAUSE
R4627 560 S4607 DIR MODE
R4628 680 S4608 DOLBY
R4629 820 S4609 SOUND STYLE
R4630 1.2K S4610 PRESET
R4631 1.5K S4611 FREQ/MEMO
R4632 2.2K S4612 D'BASS
R4633 3.9K S4613 SURR.
S4614 DISPLAY

CN403
1 SW1
2 PULL UP
3 OPEN/CLOSE
4 CE
5 REV IND
6 CLK
7 FWD IND
8 DATA
9 GND
10 REC IND
11 +5V
12 SW2
13 IR
14 SURR. IND
15 DSP IND
16 D'BASS IND

R4610
R4611
R4612
CE
CLK
DATA
BASS
SURR
REC
FWD
REV
OPEN

IC472
LC7582
VSS
VLCD
INH
VDD
OSC
S53
DATA
CLK
CE

C4612 10/10
R4613 220K
D4605 DAP202K
C4609 560P
R4615 68K

S4900

CN414
1 GND
2 HP L
3 HP R
4 RY2
5 +15V
6 RY1
7 -15V
8 E
9 MIC
10 -12V
11 +12V

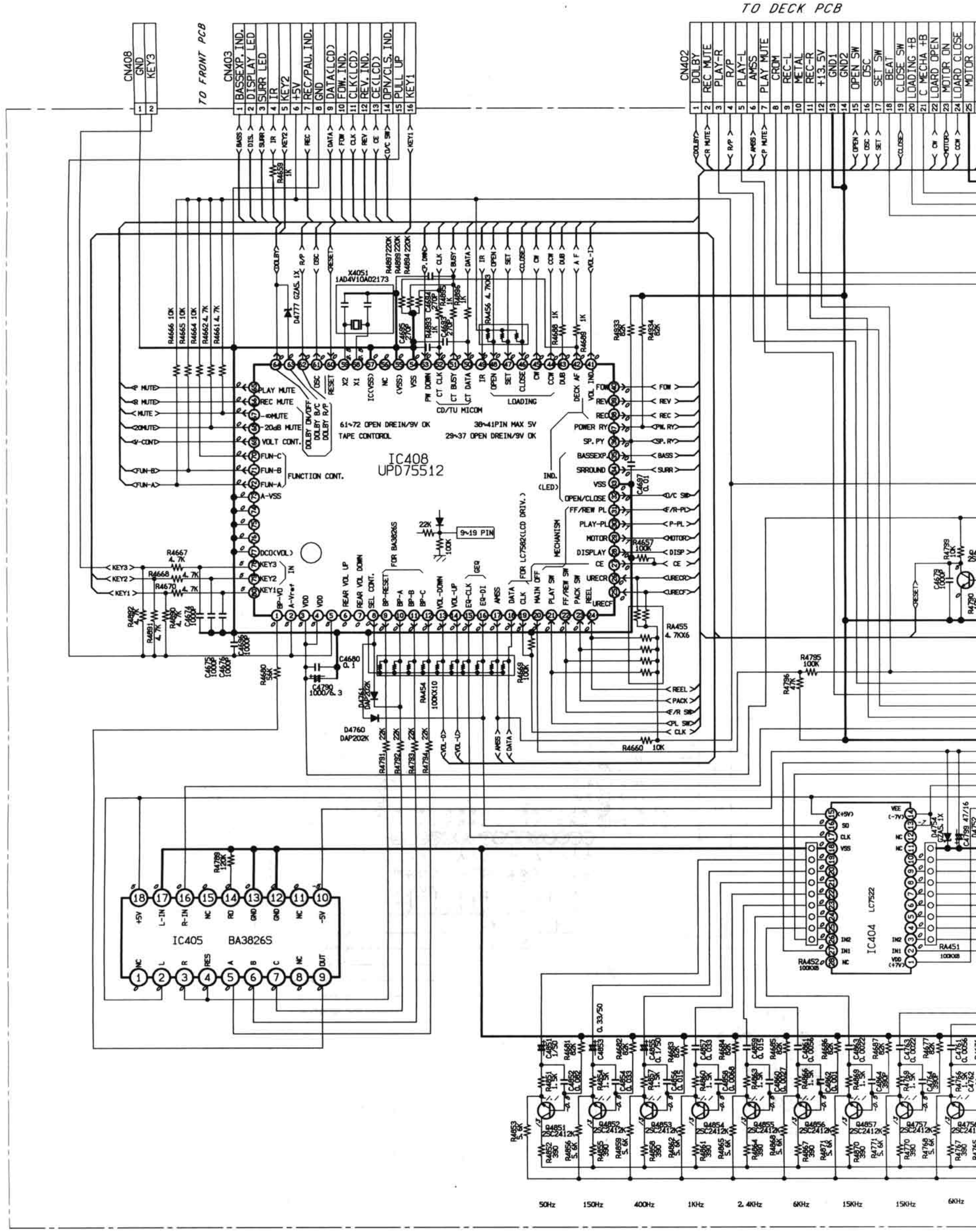
R4925 390 D4918
R4924 220 D4921
R4923 220 D4920
D4919
D4916
D4917
R4922 470
R4921 120
R4640 2.2K
R4920 39
D4914 D4915
R4639 2.2K

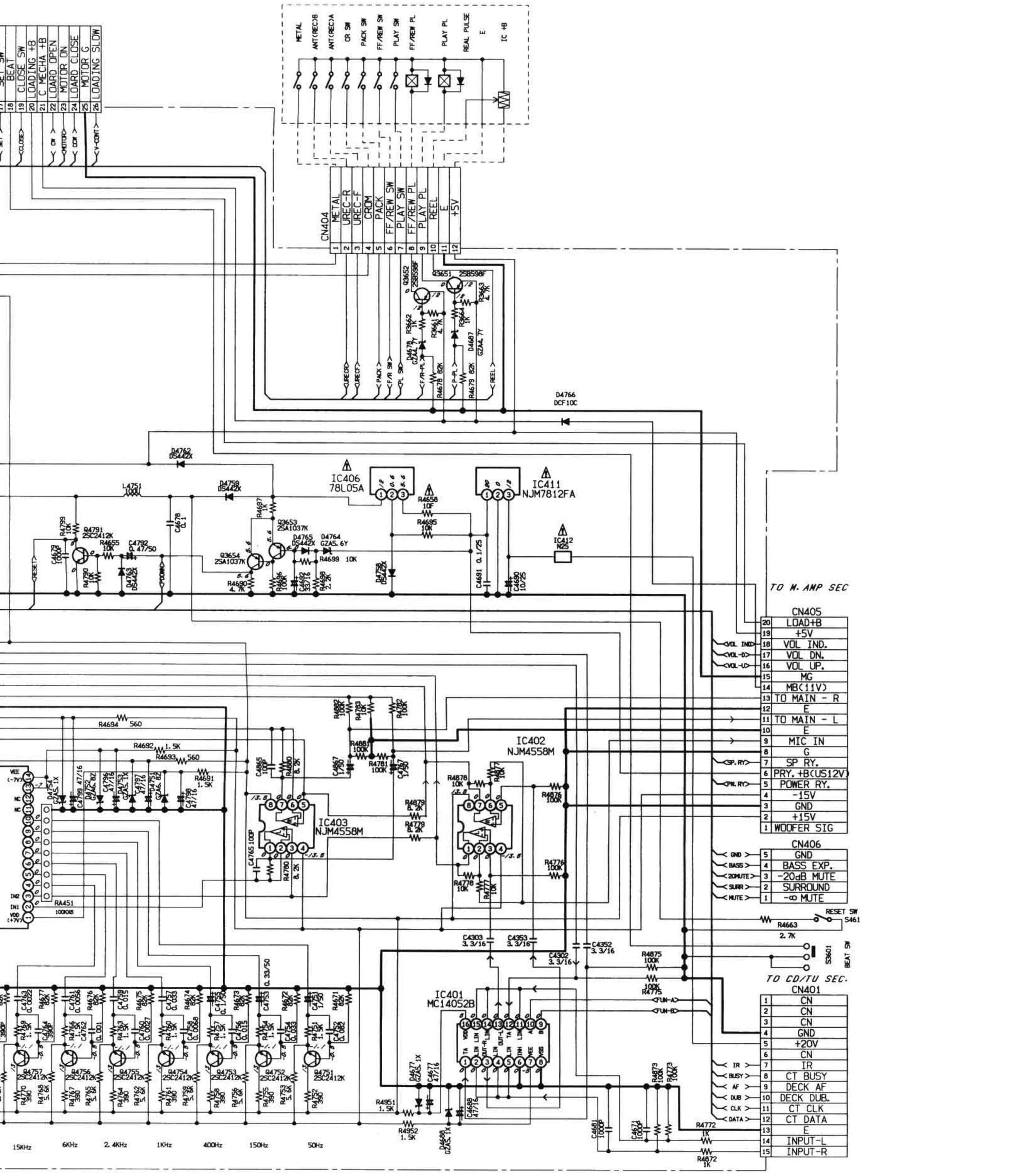
CN428

C4606 100P
R4607 390
R4605 12K
R4643 680
R4606 150K
C4605 100P
VR401 10K(B)
IC473
NJM4558M
C4604 1/50
R4604 1K
CN427
C4603 100P
47K
R4603

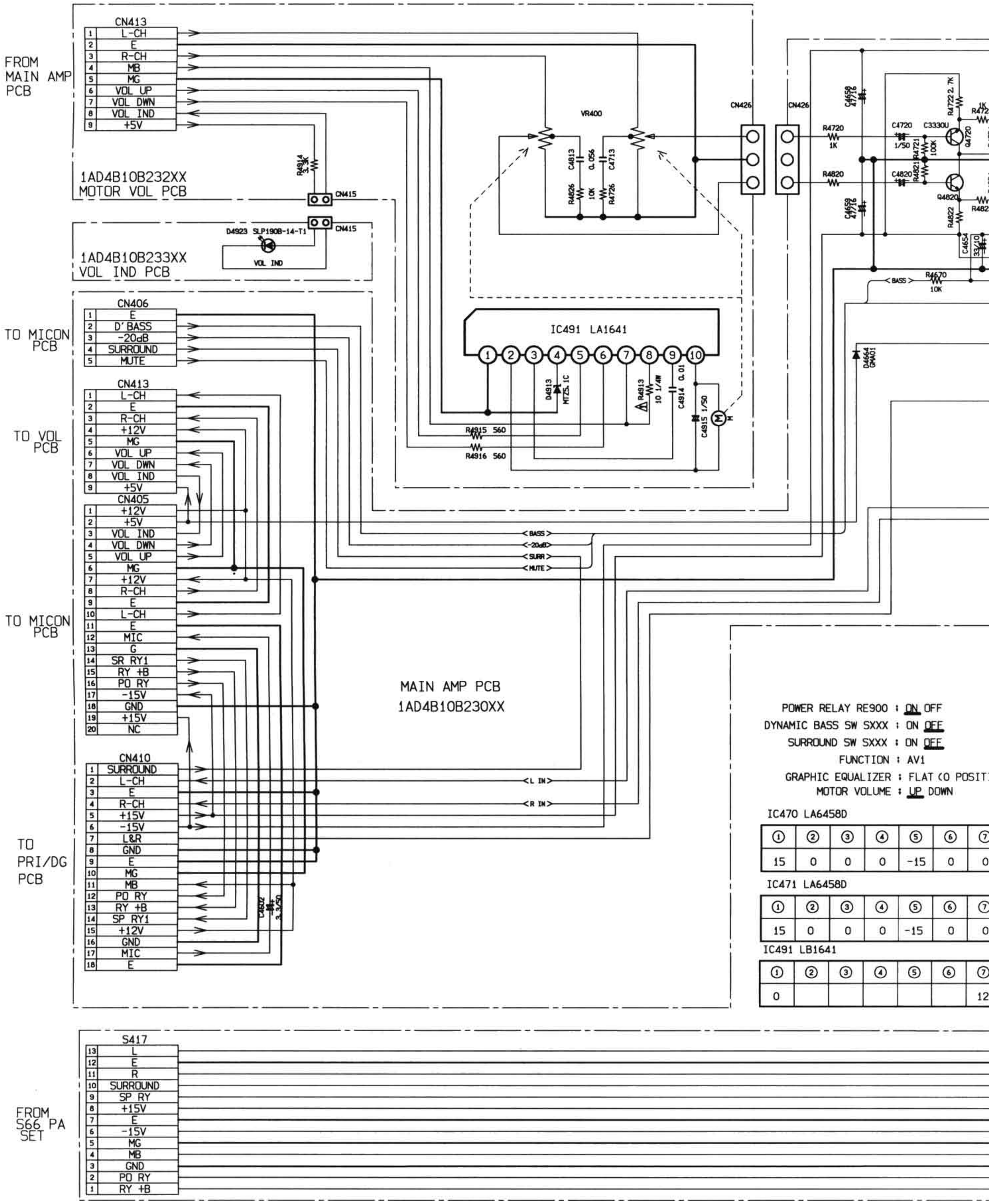
CN401
1 -15V
2 MG
R4931 120
R4971 27
R4919 120
R4634 100K
R4608 100K
C4607 2200P
R4609 390
R4700 10K
R4800 2.2K

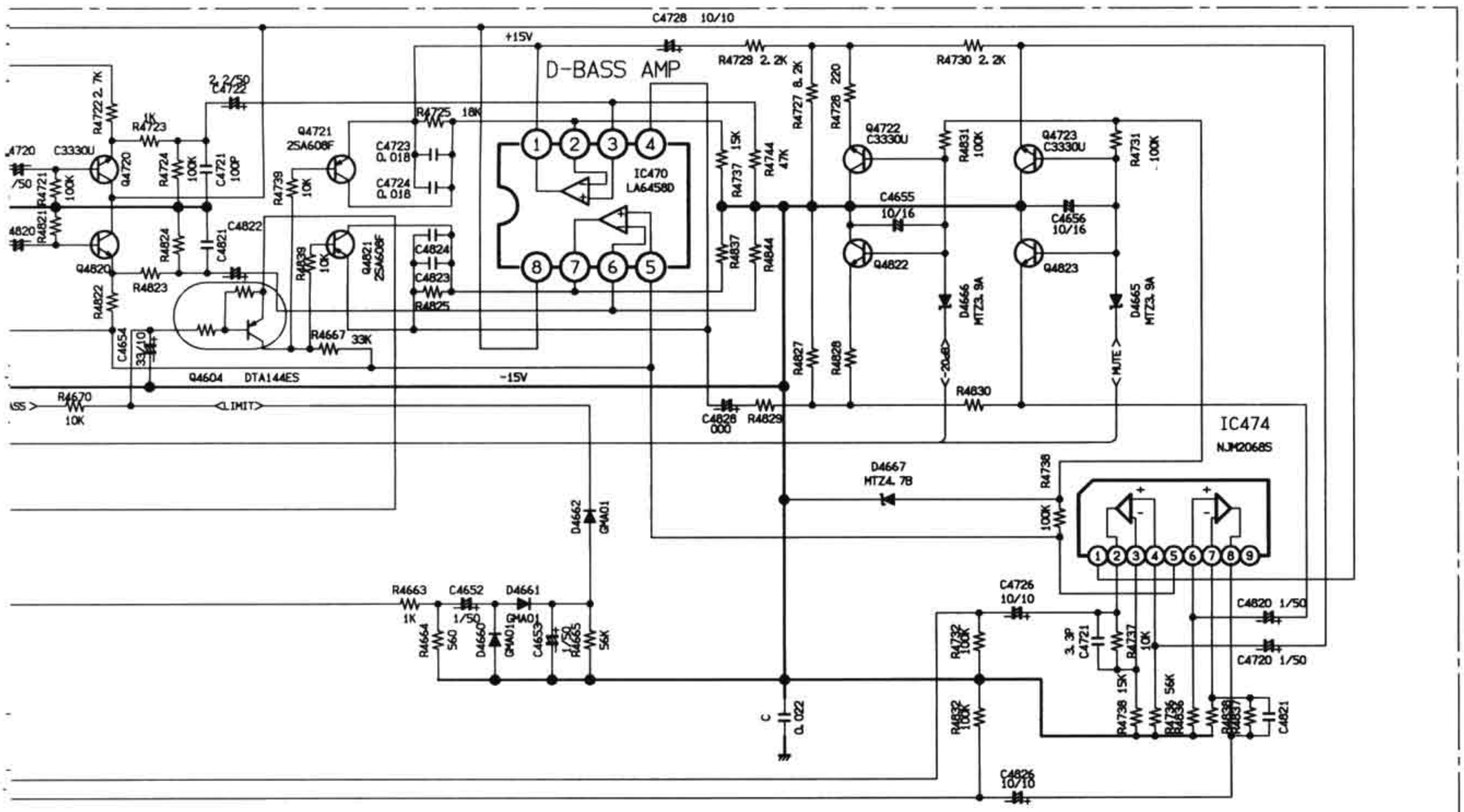
SCHEMATIC DIAGRAM (SYSCON)

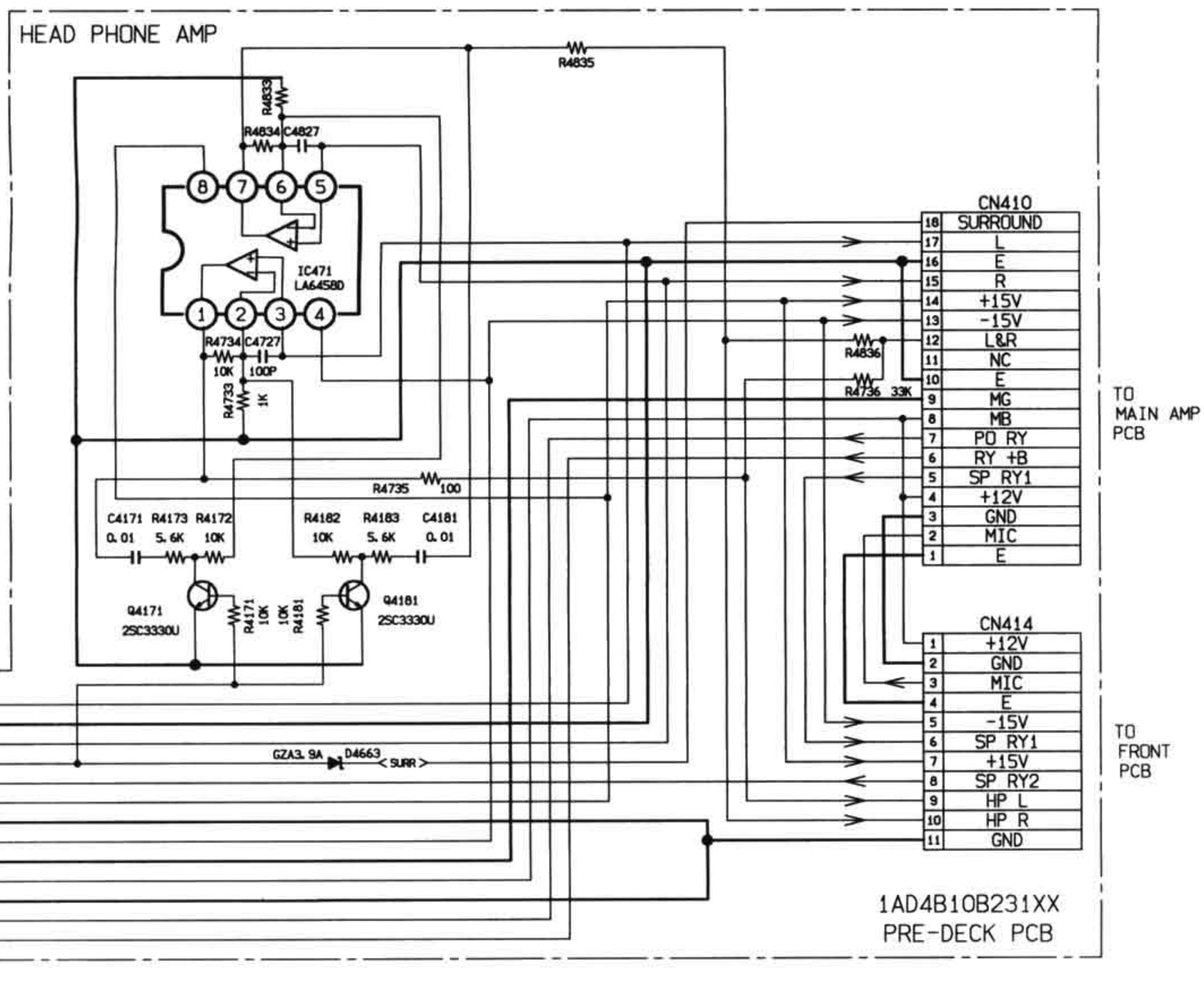



CN404
METAL
UREC-R
UREC-F
CROM
PACK
FF/REW SW
PLAY SW
FF/REW PL
PLAY PL
REEL
E
+5V
METAL
ANT(REC)B
ANT(REC)A
CR SW
PACK SW
FF/REW SW
PLAY SW
FF/REW PL
PLAY PL
REAL PULSE
E
IC +B
SET SW
BEAT
CLOSE SW
LOADING +B
C MECHA +B
LOARD OPEN
MOTOR ON
LOARD CLOSE
MOTOR G
LOADING SLOW
IC406
78L05A
IC411
NJM7812FA
IC412
IC402
NJM4558M
IC403
NJM4558M
IC401
MC14052B
D4766
DCF10C
TO M. AMP SEC
CN405
LOAD+B
+5V
VOL IND.
VOL DN.
VOL UP.
MG
MB(11V)
TO MAIN - R
E
TO MAIN - L
E
MIC IN
G
SP. RY.
PRY. +B(US12V)
PWR. RY.
POWER RY.
-15V
GND
+15V
WOOFER SIG
CN406
GND
BASS EXP.
-20dB MUTE
SURROUND
-∞ MUTE
RESET SW
S461
BEAT SW
S3601
TO CD/TU SEC.
CN401
CN
CN
CN
GND
+20V
CN
IR
CT BUSY
DECK AF
DECK DUB.
CT CLK
CT DATA
E
INPUT-L
INPUT-R
RA451
15KHz
6KHz
2.4KHz
1KHz
400Hz
150Hz
50Hz

SCHEMATIC DIAGRAM (PRE & MAIN AMPLIFIER)







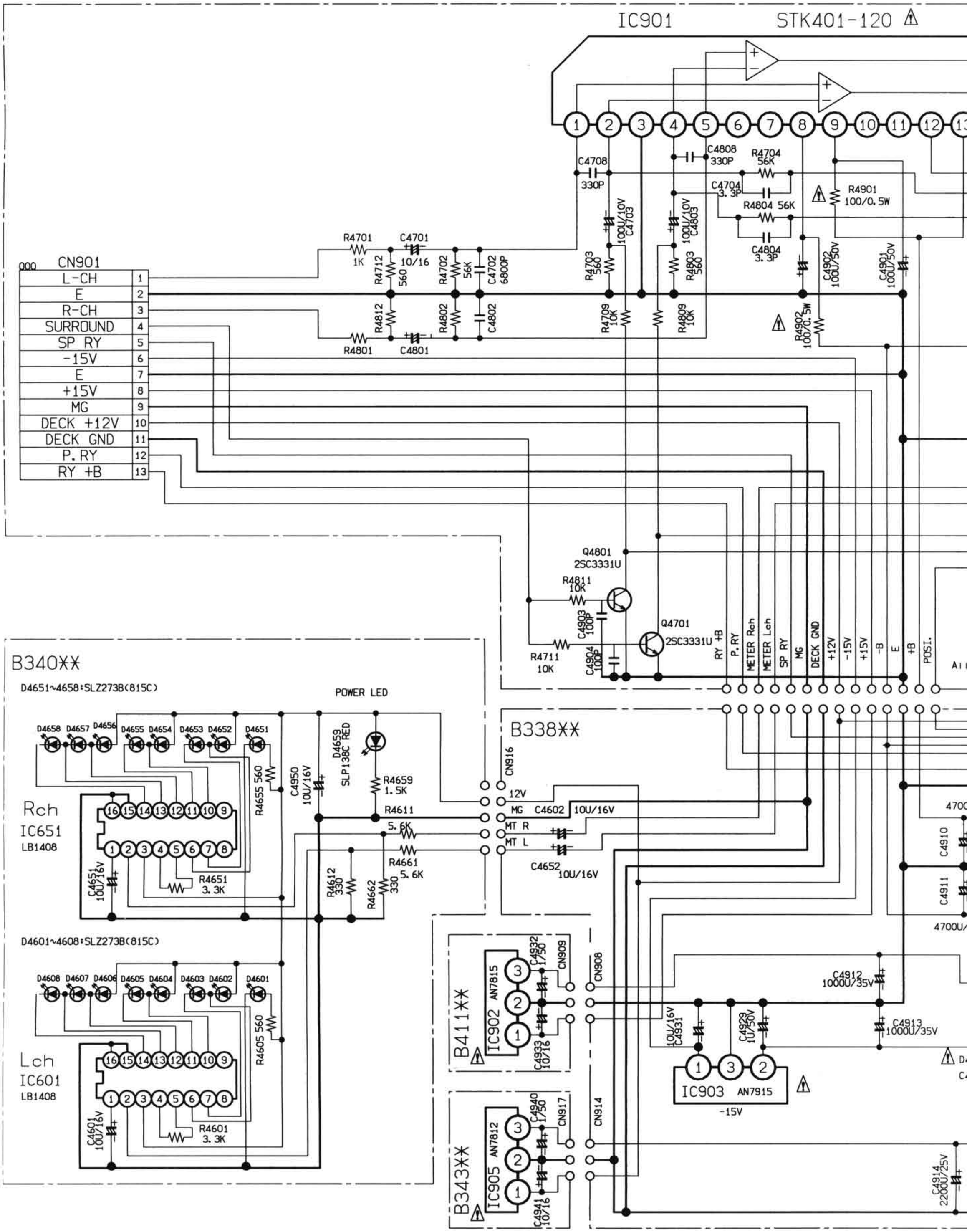
ON OFF
ON OFF
ON OFF
AV1
FLAT (O POSITION)
UP DOWN

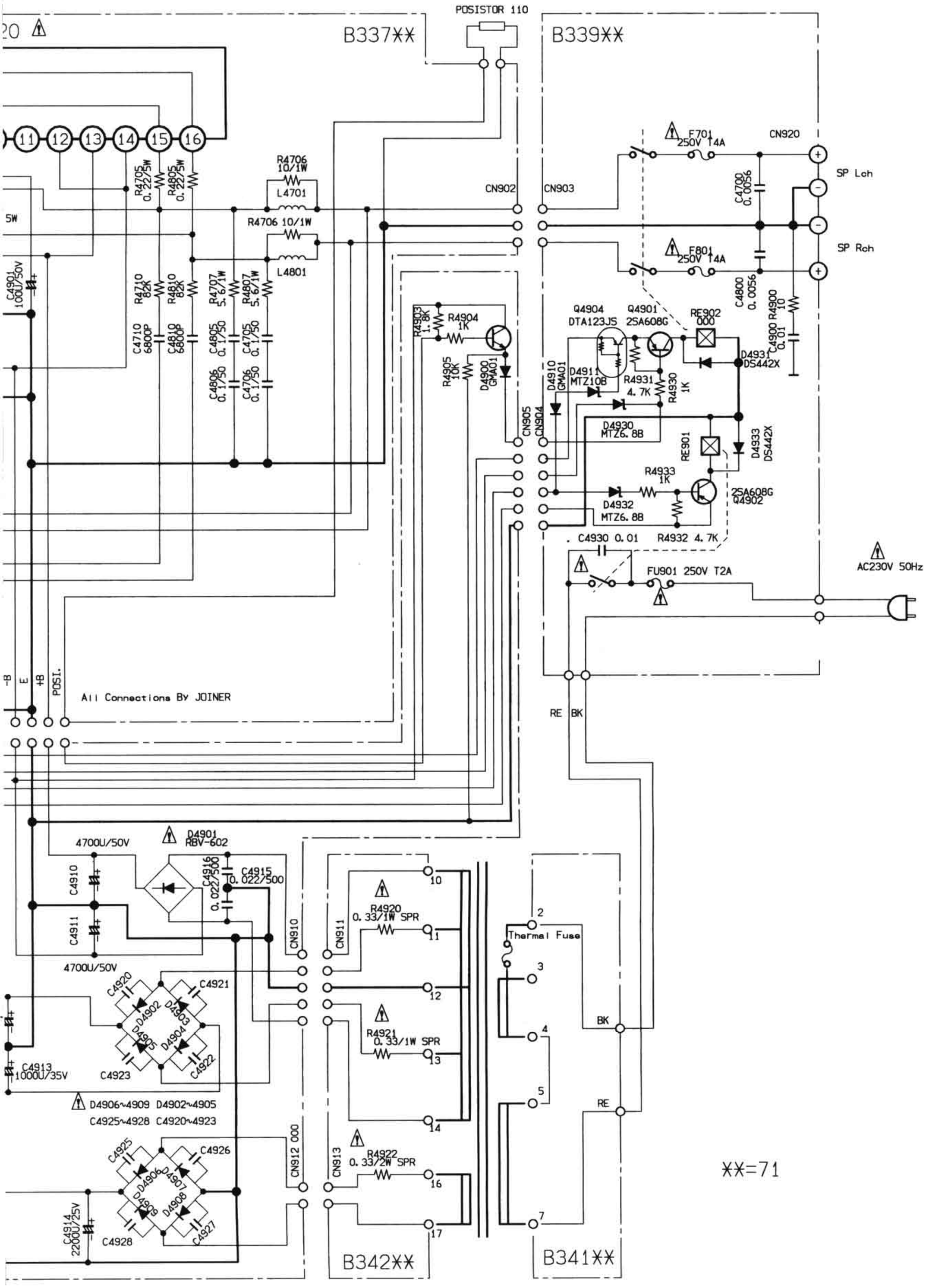
⑤	⑥	⑦	⑧
-15	0	0	0

⑤	⑥	⑦	⑧
-15	0	0	0

⑤	⑥	⑦	⑧	⑨	⑩
		12	12		

SCHEMATIC DIAGRAM (POWER AMPLIFIER)




B337**
B339**
POSISTOR 110
CN902
CN903
CN904
CN905
CN910
CN911
CN912 000
CN913
CN920
F701 250V T4A
F801 250V T4A
SP Lch
SP Rch
C4700 0.0056
C4800 0.0056
R4706 10/1W
L4701
R4706 10/1W
L4801
R4795 0.22/5W
R4805 0.22/5W
R4710 82K
R4810 82K
R4797 5.6/1W
R4807 5.6/1W
C4710 6800P
C4810 6800P
C4805 0.1/50
C4795 0.1/50
C4806 0.1/50
C4706 0.1/50
C4901 100U/50V
R4903 1.8K
R4904 1K
R4905 10K
D4900 GMA01
Q4904 DTA123J5
Q4901 2SA608G
RE902 000
R4900 10
C4900 0.01
D4931 DS442X
D4910 GMA01
D4911 MTZ10B
R4931 4.7K
R4930 1K
D4930 MTZ6.8B
RE901
D4933 DS442X
R4933 1K
2SA608G Q4902
D4932 MTZ6.8B
C4930 0.01
R4932 4.7K
FU901 250V T2A
AC230V 50Hz
RE
BK
-B
E
+B
POSI.
All Connections By JOINER
4700U/50V
D4901 RBV-602
C4910
C4911
C4916 0.022/500
C4915 0.022/500
C4920
C4921
C4922
C4923
C4913 1000U/35V
D4902
D4903
D4904
D4905
D4906~4909 D4902~4905
C4925~4928 C4920~4923
C4925
C4926
C4927
C4928
C4914 2200U/25V
D4906
D4907
D4908
D4909
R4920 0.33/1W SPR
R4921 0.33/1W SPR
R4922 0.33/2W SPR
Thermal Fuse
B342**
B341**

**=71