ORDER NO. MD9712150C1
A2

Service Manual

AV Control Stereo Receiver

DOLBY SURROUND PRO • LOGIC *

Receiver

SA-AX720

Colour

(K) . . . . . Black Type

Area

Suffix for Model No.	Area	Colour
(P)	U.S.A.	(K)
(PC)	Canada	

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■ Specifications

■ FM Tuner Section

Frequency range	87.9 — 107.9 MHz
Sensitivity	11.2 dBf (2μV, IHF '58)
50 dB quieting Sensitivity	
MONO	18.3 dBf (4.5μV, IHF '58)
STEREO	38.3 dBf (45μV, IHF '58)
Total harmonic distortion	
MONO	0.2%
STEREO	0.3%
S/N	
MONO	73 dB
STEREO	67 dB
Frequency response	20 Hz — 15 kHz (+1dB, –2dB)
Alternate channel selectivity	65 dB
Capture ratio	1.5 dB
Image rejection at 98MHz	40 dB
Spurious response rejection at 98MHz	75 dB
AM suppression	50 dB
Stereo separation	
1 kHz	40 dB
10kHz	30 dB
Antenna terminal(s)	75Ω (unbalanced)

■ AM Tuner Section

Frequency range	530 — 1710 kHz
Sensitivty	20μV, 330μV/m
Selectivity	55 dB
IF rejection at 1000kHz	50 dB

■ Video Section

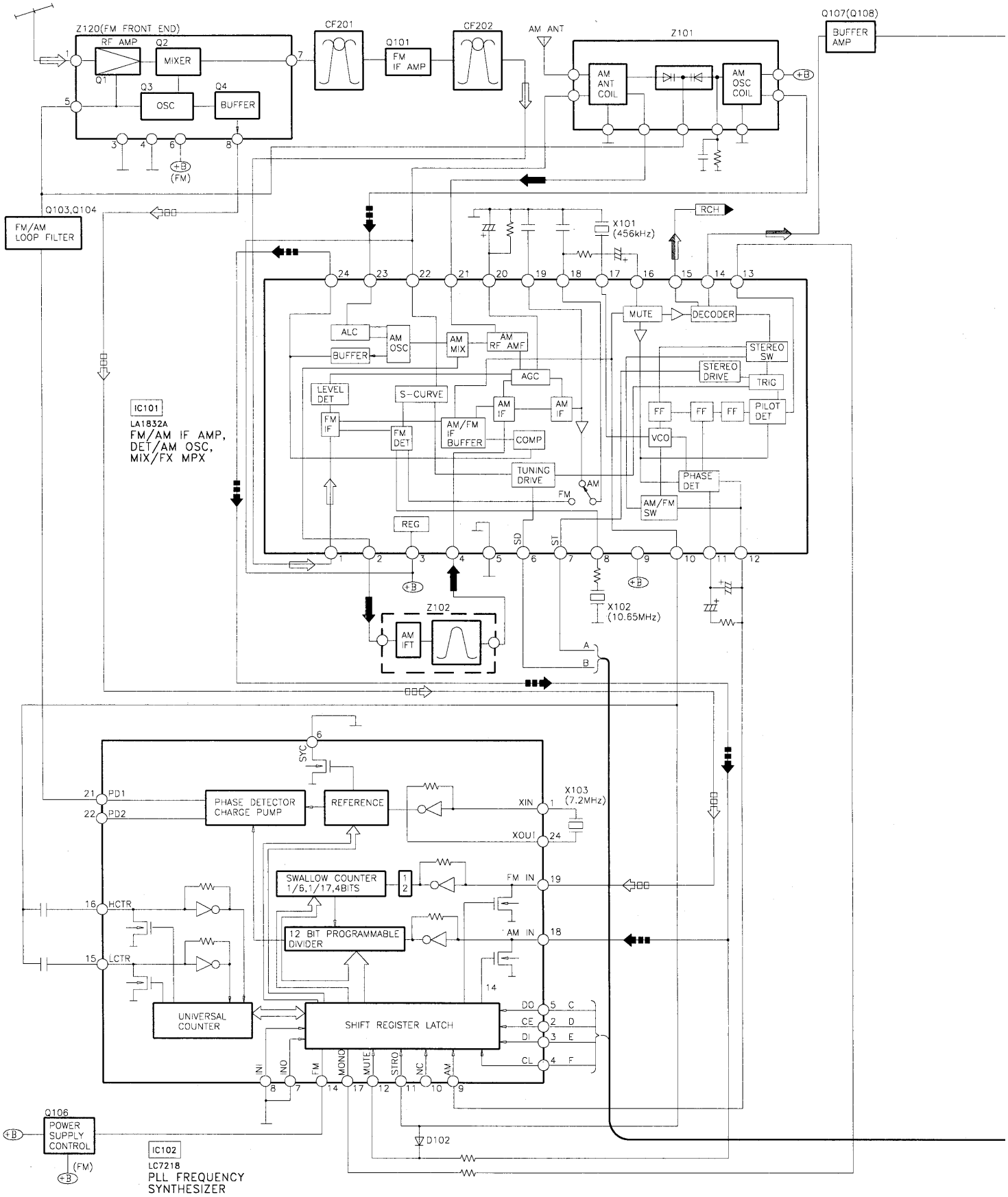
Output voltage at 1 V input (unbalanced)	1±0.1 Vp-p
Maximum input voltage	1.5 Vp-p
Input/output impedance	75 Ω

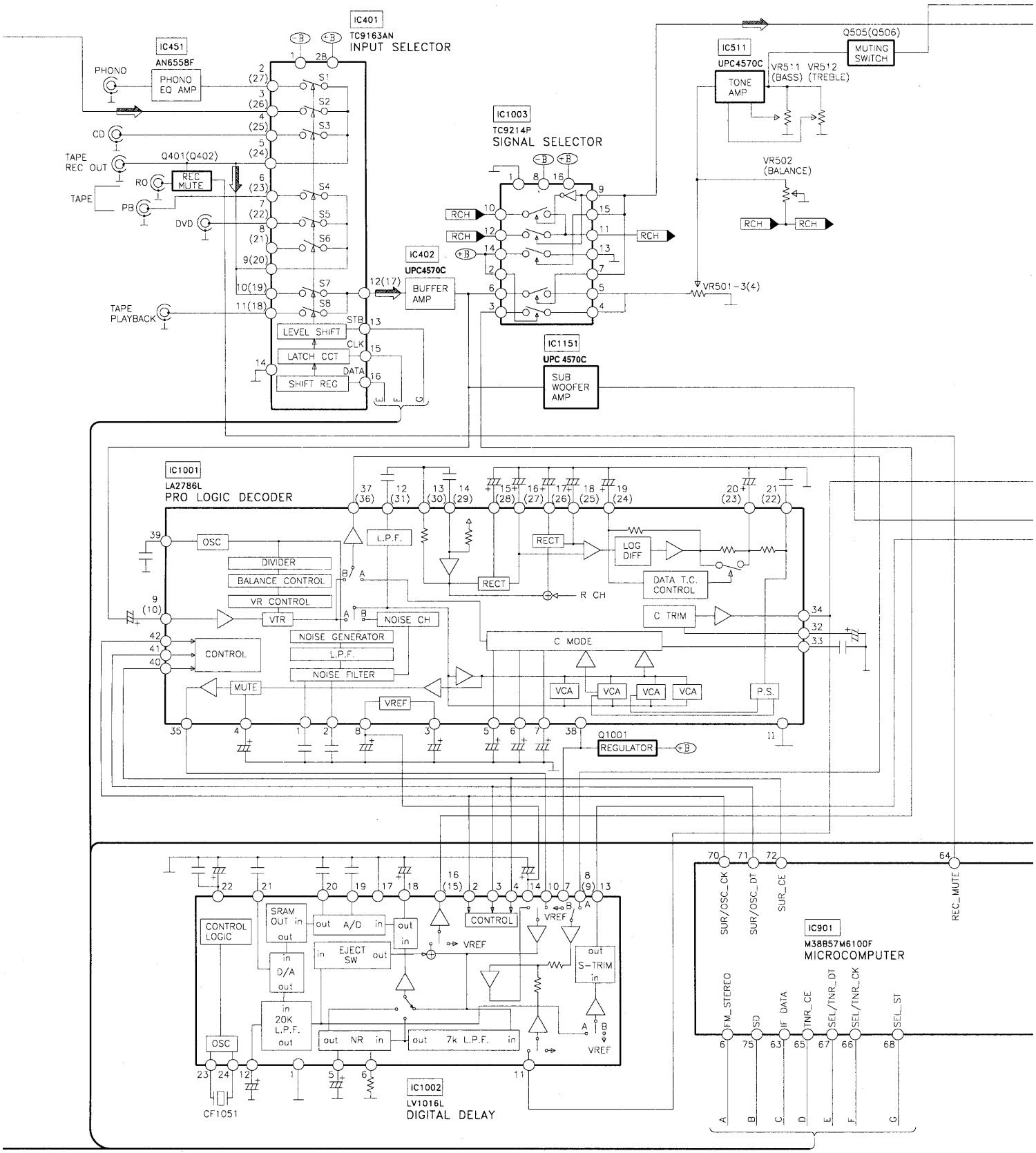
■ Amplifier Section

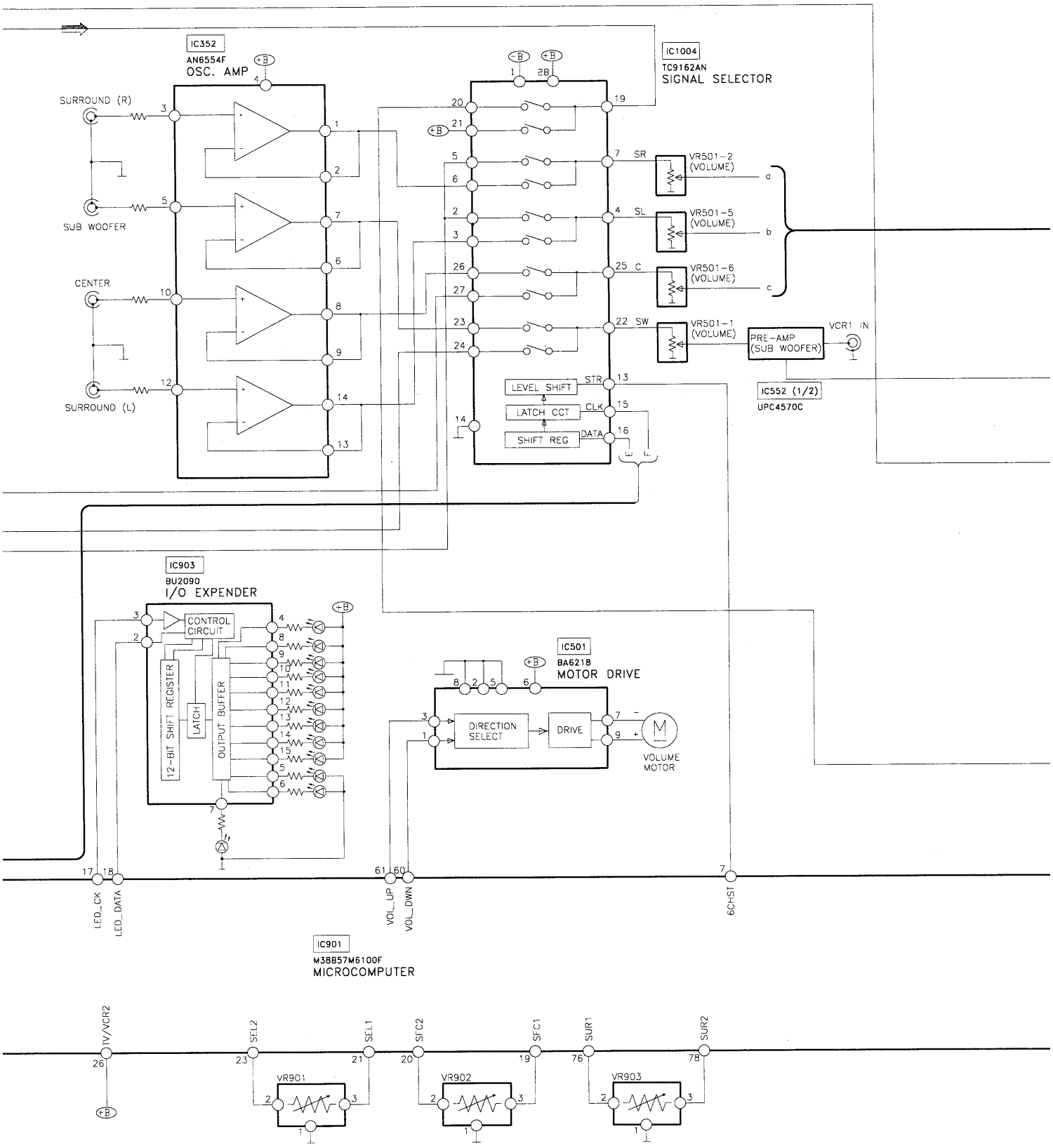
Rated minimum sine wave RMS power output	
20 Hz–20 kHz both channels driven	
0.05% total hamonic distortion	100 W per channel (8Ω)
1 kHz continuous power output	
both channels driven 0.05% total	
hamonic distortion	105 W per channel (8Ω)
Total harmonic distortion	
Rated power at 20 Hz – 20 kHz	0.05% (8Ω)
Half power at 1 kHz	0.03% (8Ω)
Power output at the Dolby Pro Logic operation	
0.9% at 1 kHz,	
Front	2 X 100 W (8Ω)
Center	100 W (8Ω)
Surround	2 X100 W (8Ω)
Low frequency damping factor	30 (8Ω)
Load impedance	
Front	
A or B	8 Ω
A and B	8 Ω
Center	8 Ω
Surround	8 Ω
Dynamic headroom	2 dB (8Ω)
Frequency response	
PHONO	RIAA standard curve ± 0.8 dB
CD, TAPE, DVD, VCR, TV/DSS	10 Hz – 70 kHz, ± 3 dB
Input sensitivity	
PHONO	0.4 mV (3mV, IHF '66)
CD, TAPE, DVD, VCR, TV/DSS	27 mV (200mV, IHF '66)
S/N (IHF A)	
PHONO	70 dB (80dB, IHF '66)
CD, TAPE, DVD, VCR, TV/DSS	75 dB (85dB, IHF '66)
Input impedance	
PHONO	47 kΩ
CD, TAPE, DVD, VCR, TV/DSS	22 kΩ
Tone controls	
BASS	50 Hz, +10 to -10 dB
TREBLE	20 kHz, +10 to -10 dB
Sub-Woofer frequency response	7 -100 Hz, ±3 dB

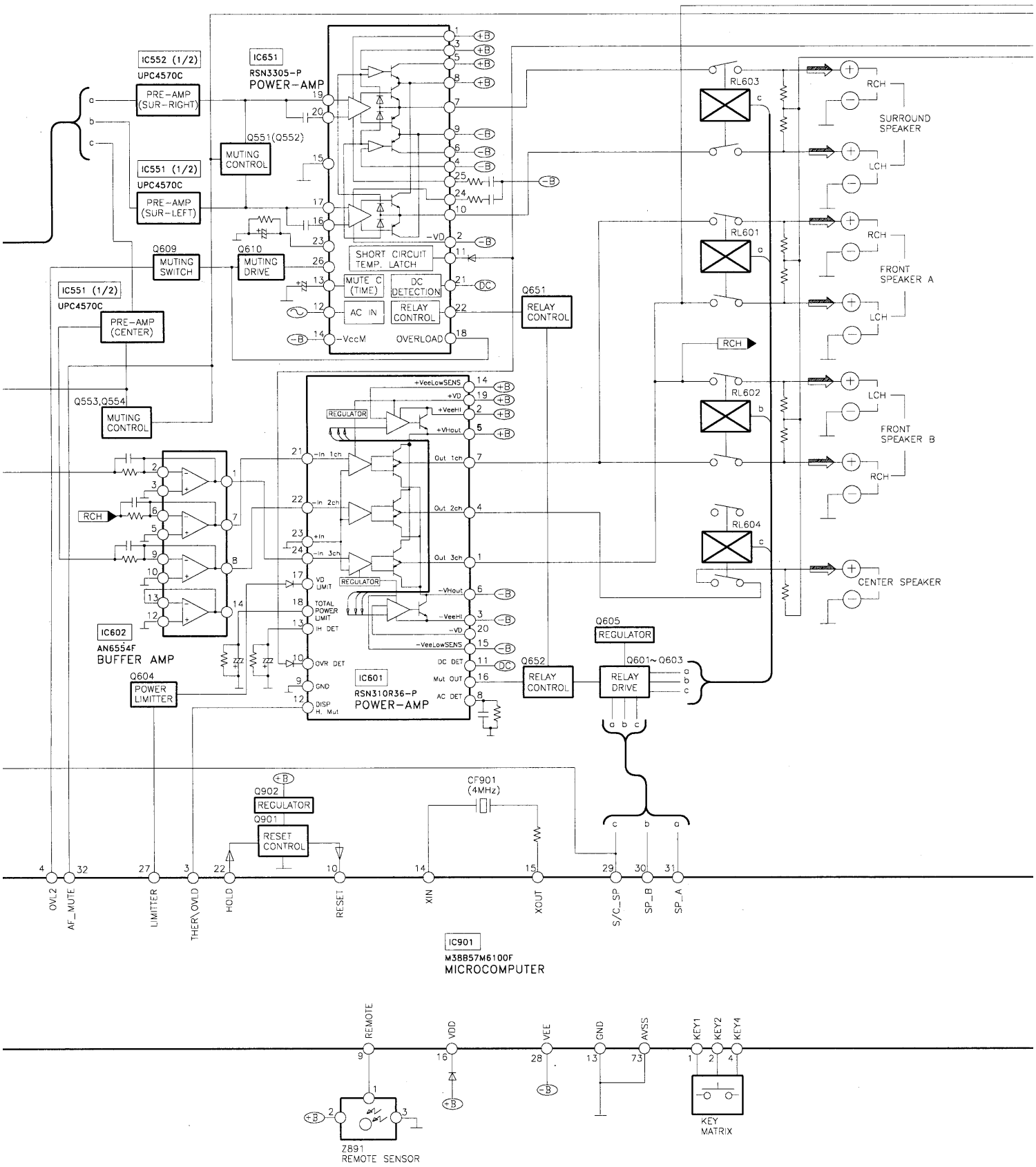
Technics®

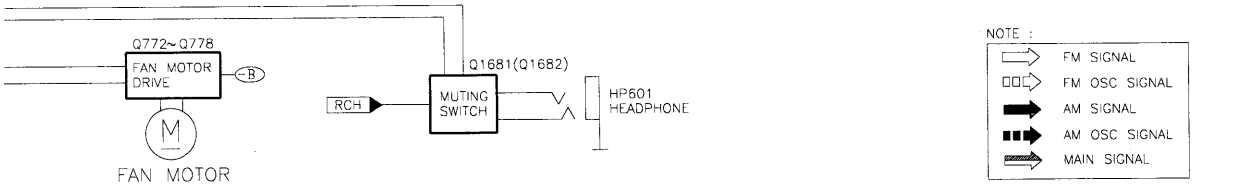
■ Block Diagram

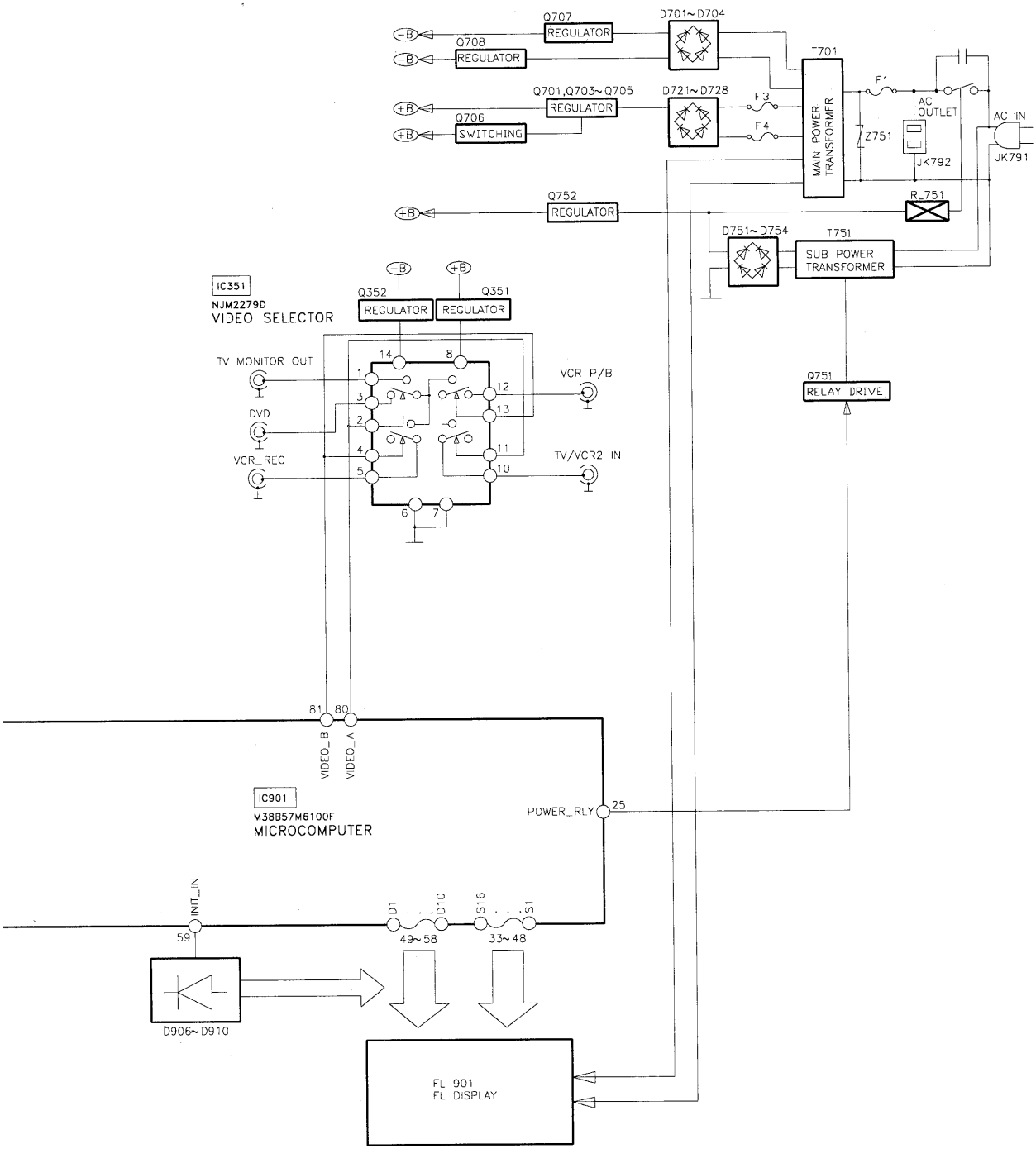



IC401
TC9163AN
INPUT SELECTOR
IC451
AN6558F
PHONO EQ AMP
PHONO
CD
TAPE REC OUT
TAPE PB
DVD
TAPE PLAYBACK
Q401(Q402)
REC MUTE
S1
S2
S3
S4
S5
S6
S7
S8
LEVEL SHIFT
LATCH CCT
SHIFT REG
STB
CLK
DATA
IC1003
TC9214P
SIGNAL SELECTOR
IC402
UPC4570C
BUFFER AMP
IC1151
UPC 4570C
SUB WOOFER AMP
IC511
UPC4570C
TONE AMP
MUTING SWITCH
Q505(Q506)
VR511 VR512
(BASS) (TREBLE)
VR502
(BALANCE)
VR501-3(4)
RCH
IC1001
LA2786L
PRO LOGIC DECODER
OSC
DIVIDER
BALANCE CONTROL
VR CONTROL
VTR
CONTROL
NOISE GENERATOR
L.P.F.
NOISE FILTER
MUTE
VREF
NOISE CH
L.P.F.
RECT
LOG DIFF
DATA T.C. CONTROL
R CH
C TRIM
C MODE
VCA
P.S.
Q1001
REGULATOR
IC1002
LV1016L
DIGITAL DELAY
CONTROL LOGIC
SRAM OUT in
A/D
D/A
EJECT SW
20K L.P.F.
NR
7k L.P.F.
S-TRIM
CF1051
IC901
M38B57M6100F
MICROCOMPUTER
SUR/OSC_CK
SUR/OSC_DT
SUR_CE
REC_MUTE
FM_STEREO
SD
IF DATA
TNR_CE
SEL/TNR_DT
SEL/TNR_CK
SEL_ST


IC352
AN6554F
OSC. AMP
SURROUND (R)
SUB WOOFER
CENTER
SURROUND (L)
IC1004
TC9162AN
SIGNAL SELECTOR
LEVEL SHIFT
LATCH CCT
SHIFT REG
STR
CLK
DATA
SR
SL
C
SW
VR501-2 (VOLUME)
VR501-5 (VOLUME)
VR501-6 (VOLUME)
VR501-1 (VOLUME)
PRE-AMP (SUB WOOFER)
VCR1 IN
IC552 (1/2)
UPC4570C
IC903
BU2090
I/O EXPENDER
CONTROL CIRCUIT
12-BIT SHIFT REGISTER
LATCH
OUTPUT BUFFER
IC501
BA6218
MOTOR DRIVE
DIRECTION SELECT
DRIVE
VOLUME MOTOR
LED_CK
LED_DATA
VOL_UP
VOL_DWN
6CHST
IC901
M38B57M6100F
MICROCOMPUTER
TV/VCR2
SEL2
SEL1
SFC2
SFC1
SUR1
SUR2
VR901
VR902
VR903


IC552 (1/2)
UPC4570C
PRE-AMP (SUR-RIGHT)
IC551 (1/2)
UPC4570C
PRE-AMP (SUR-LEFT)
IC551 (1/2)
UPC4570C
PRE-AMP (CENTER)
IC651
RSN3305-P
POWER-AMP
Q551(Q552)
MUTING CONTROL
Q609
MUTING SWITCH
Q610
MUTING DRIVE
SHORT CIRCUIT TEMP. LATCH
MUTE C (TIME)
DC DETECTION
AC IN
RELAY CONTROL
-VccM
OVERLOAD
Q651
RELAY CONTROL
Q553,Q554
MUTING CONTROL
RCH
IC602
AN6554F
BUFFER AMP
Q604
POWER LIMITTER
IC601
RSN310R36-P
POWER-AMP
Q652
RELAY CONTROL
Q605
REGULATOR
RELAY DRIVE
Q601~Q603
RL603
RL601
RL602
RL604
SURROUND SPEAKER
FRONT SPEAKER A
FRONT SPEAKER B
CENTER SPEAKER
Q902
REGULATOR
Q901
RESET CONTROL
CF901
(4MHz)
OVL2
AF_MUTE
LIMITTER
THER\OVLD
HOLD
RESET
XIN
XOUT
S/C_SP
SP_B
SP_A
IC901
M38B57M6100F
MICROCOMPUTER
REMOTE
VDD
VEE
GND
AVSS
KEY1
KEY2
KEY4
Z891
REMOTE SENSOR
KEY MATRIX


Q772~Q778
FAN MOTOR DRIVE
-B
FAN MOTOR
Q1681(Q1682)
RCH
MUTING SWITCH
HP601
HEADPHONE
NOTE :
FM SIGNAL
FM OSC SIGNAL
AM SIGNAL
AM OSC SIGNAL
MAIN SIGNAL


Q707
REGULATOR
D701~D704
Q708
REGULATOR
T701
Q701,Q703~Q705
REGULATOR
D721~D728
F3
F1
AC OUTLET
AC IN
Q706
SWITCHING
F4
MAIN POWER TRANSFORMER
Z751
JK792
JK791
Q752
REGULATOR
RL751
D751~D754
T751
SUB POWER TRANSFORMER
IC351
NJM2279D
VIDEO SELECTOR
Q352
REGULATOR
Q351
REGULATOR
TV MONITOR OUT
VCR P/B
DVD
VCR_REC
TV/VCR2 IN
Q751
RELAY DRIVE
81
80
VIDEO_B
VIDEO_A
IC901
M38B57M6100F
MICROCOMPUTER
POWER_RLY
25
INIT_IN
59
D1
D10
S16
S1
49~58
33~48
D906~D910
FL 901
FL DISPLAY

■ Terminal Functions Of ICs

• IC901 (M38B57M6100F) System Microprocessor

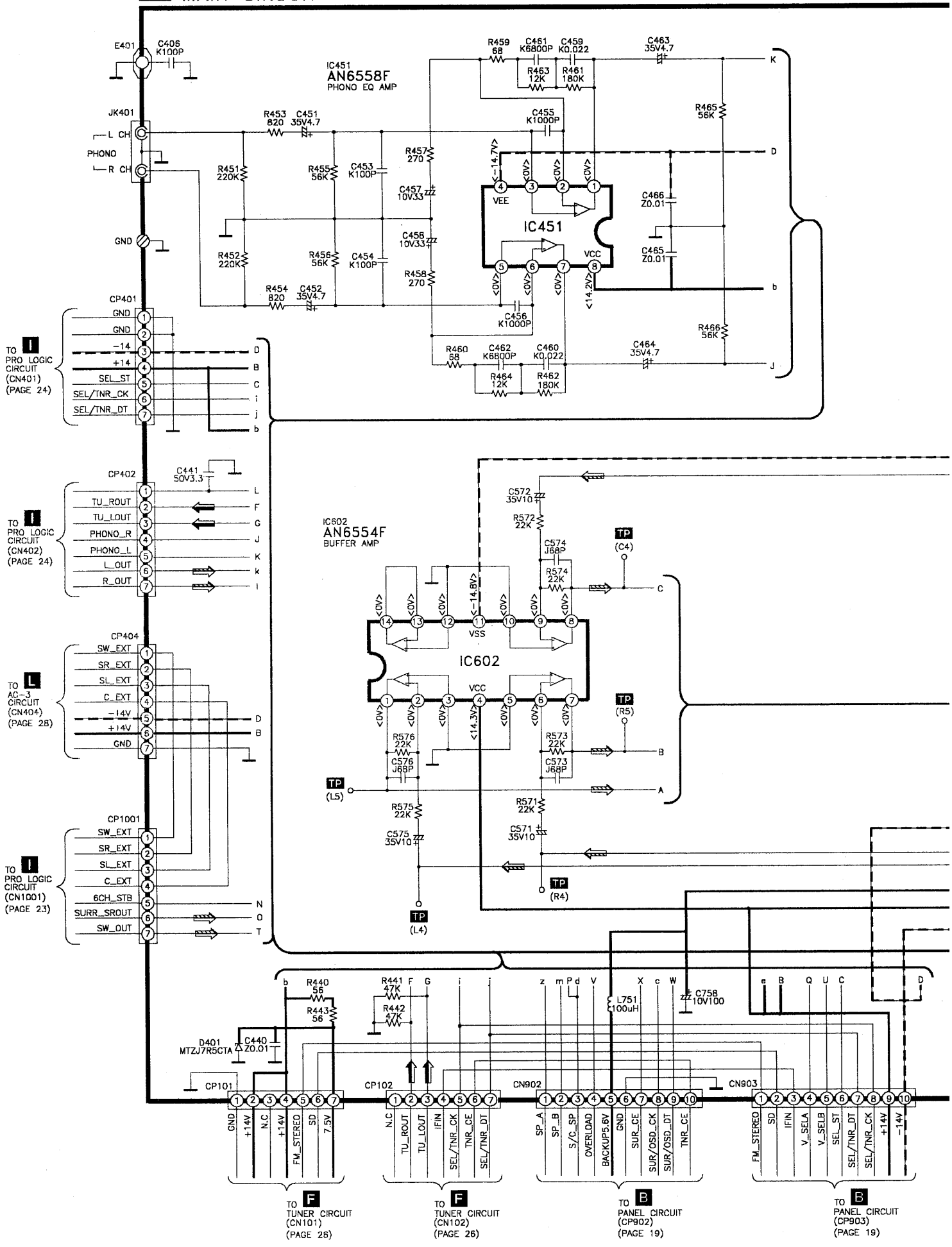
Pin No.	Mark	I/O	Function
1~2	KEY2~KEY1	I	Key Input 1 ~ 2
3	THERM/OVLD1	I	Thermal/Over load input 1
4	KEY4	I	Key Input 4
5	THERM/OVLD2	I	Thermal/Over load input 2
6	FM_ST	I	Stereo signal detect terminal
7	WAKE_LED	O	Wake up timer LED
8	RDS_ST	I	Control of RDS IC (ST) stereo signal
9	REMOTE	I	Remote control terminal
10	RESET	–	Reset detect terminal
11	RDS_CK	I	Control of RDS IC (CK) clock signal
12	RDS_DT	I	Control of RDS IC (DT) data signal
13	GND	–	GND terminal
14	OCS	–	Crystal oscillator terminal (4 MHz)
15	OCS	–	Crystal oscillator terminal (4 MHz)
16	VDD (+5V)	–	Power supply terminal +5V
17	LED_IC_CK	O	LED driver IC (CK) clock signal
18	LED_IC_DT	O	LED driver IC (DT) data signal
19	SFC/PTY_ENCD1	I	SFC mode encoder input 1
20	SFC/PTY_ENCD2	I	SFC mode encoder input 2
21	SEL_ENCD1	I	Selector encoder for input 1
22	HOLD	I	Blackout detection terminal
23	SEL_ENCD2	I	Selector encoder for input 2
24	FRT_VCR2	I	VCR2 control input
25	RELAY	–	Relay control output
26	ABS	O	ABS control output
27	6ch_SW_ST	O	6 ch sw control output (ST)
28	Vee (-22V)	–	Power supply for FL driver
29	S/C_SP	O	Surround/Center speaker control output

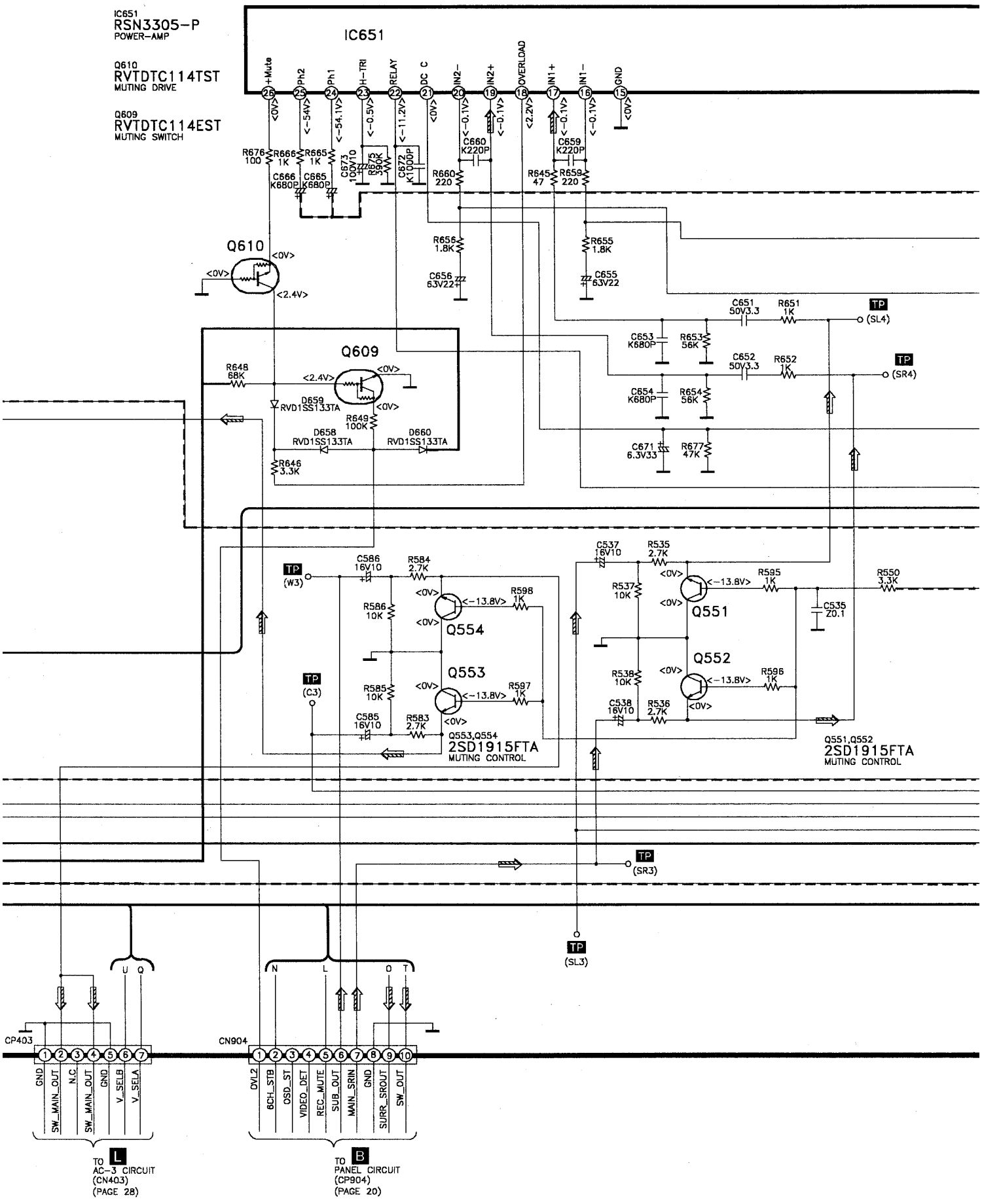
Pin No.	Mark	I/O	Function
30	SP_B	O	Speaker B control output
31	SP_A	O	Speaker A control output
32	AF_MUTE	O	Muting control output
33~48	SEG16~SEG1	O	FL segment signal output
49~58	DEG1~DEG10	O	FL digit signal output
59	INIT_IN	I	Diode input initial settings
60	VOL_DOWN	O	Volume control output (Down)
61	VOL_UP	O	Volume control output (Up)
62	REC_MUTE	O	REC Mute control
63	IF_DATA	I	Serial data signal
64	LIMITTER	O	Power limitter control output
65	TNR_CE	O	Tuner control (CE) chip enable signal
66	SEL/TNR_CK	O	Selector/Tuner (CK) clock signal
67	SEL/TNR_DT	O	Selector/Tuner (DT) data signal
68	SEL_ST	O	Selector control terminal
69	MMD_CTRL	O	MMD control terminal
70	SURR_CK	O	Surround control (CK) clock signal
71	SURR_DT	O	Surround control (DT) data signal
72	SURR_CE	O	Surround control (CE) chip enable signal
73	AVSS	–	GND for A-D converter
74	VREF	–	Reference voltage for A-D converter
75	SD	I	SD signal detect input
76	SUR_ENCD1	I	Encoder of surround mode selector input1
77	HELP_LED	O	Help LED control output
78	SUR_ENCD2	I	Encoder of surround mode selector input2
79	VIDEO_A	O	Video selector control output A
80	VIDEO_B	O	Video selector control output B

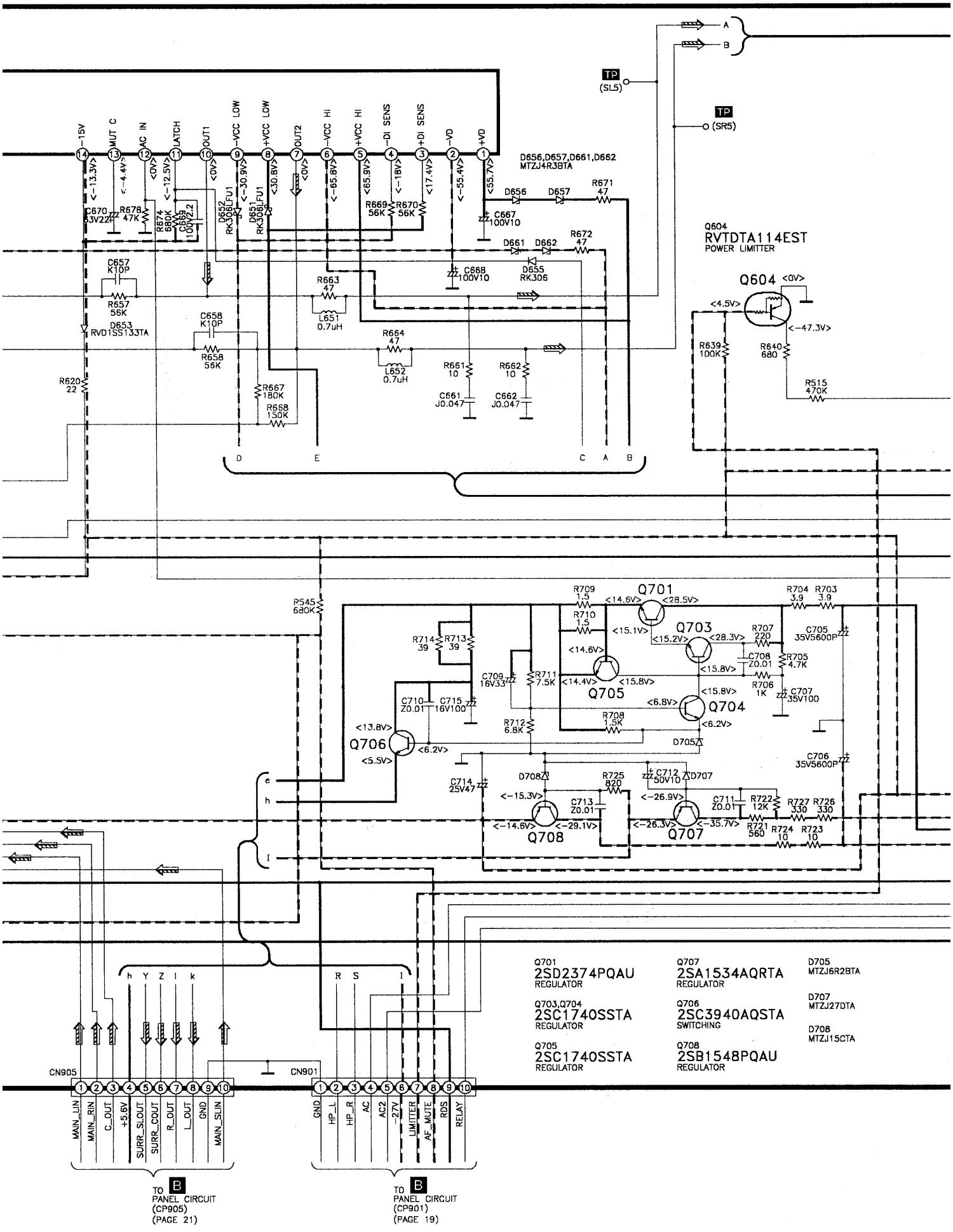
■ Terminal Guide of ICs, Transistors and Diodes

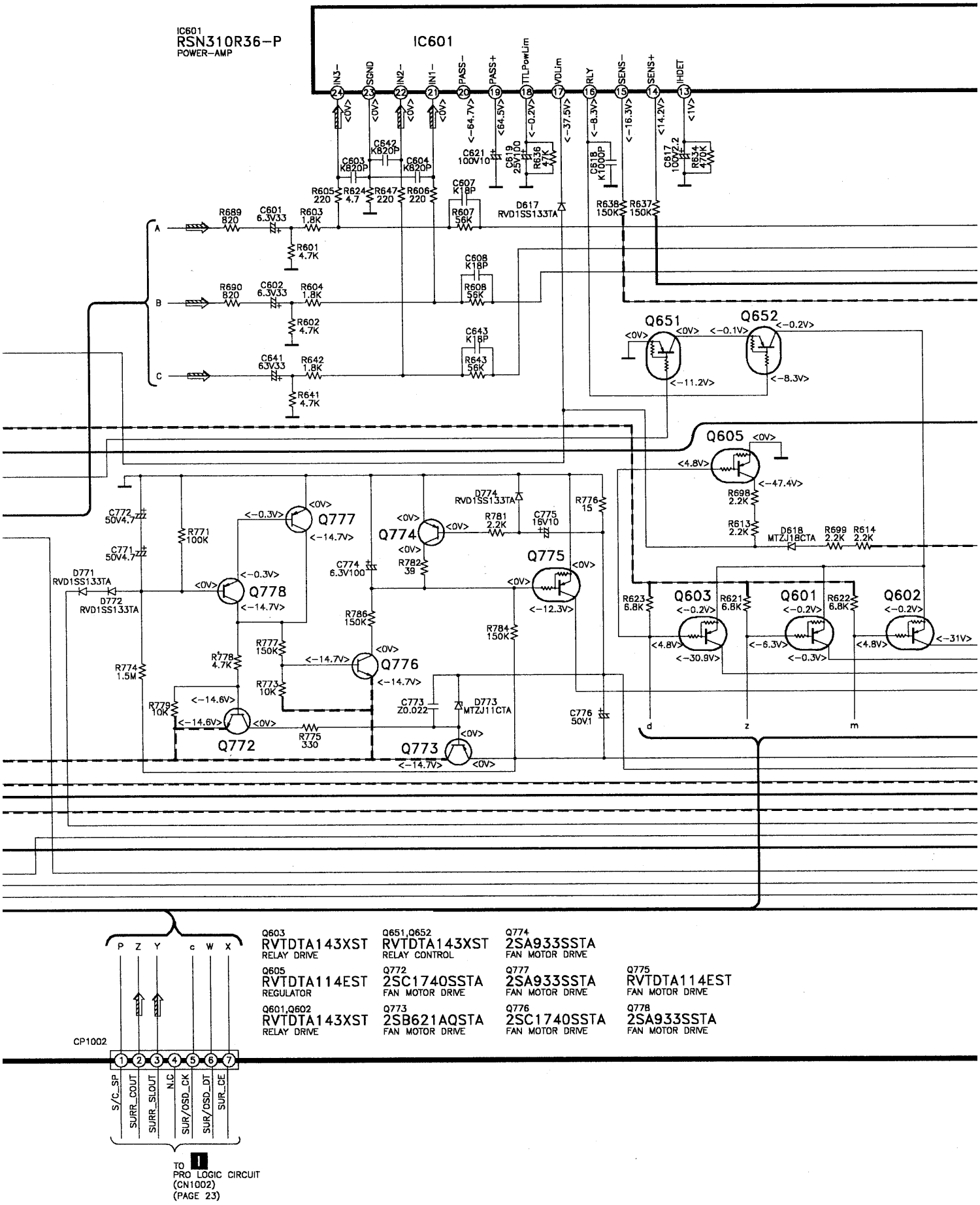
LA1832A LC7218 LV1016L	NJM2279D	TC9163AN TC9162AN	UPC4570C	AN6558F	BA6218	LA2786L (42Pin)
RSN3305-P RSN310R36-P	M38B57M6100F (80 Pin)	TC9214P	AN6554F	BU2090	2SC2785FETA 2SC2786MTA	2SC2787FL1TA 2SC2787LTA 2SD1915FTA 2SA933SSTA 2SC3311ARTA

A MAIN CIRCUIT




IC651
RSN3305-P
POWER-AMP
Q610
RVTDTC114TST
MUTING DRIVE
Q609
RVTDTC114EST
MUTING SWITCH
IC651
+Mute
Ph2
Ph1
H-TRI
RELAY
DC C
IN2-
IN2+
OVERLOAD
IN1+
IN1-
GND
Q610
Q609
Q554
Q553
Q551
Q552
Q553,Q554
2SD1915FTA
MUTING CONTROL
Q551,Q552
2SD1915FTA
MUTING CONTROL
D659 RVD1SS133TA
D658 RVD1SS133TA
D660 RVD1SS133TA
TP (W3)
TP (C3)
TP (SL4)
TP (SR4)
TP (SR3)
TP (SL3)
CP403
CN904
GND
SW_MAIN_OUT
N.C
SW_MAIN_OUT
GND
V_SELB
V_SELA
OVL2
8CH_STB
OSD_ST
VIDEO_DET
REC_MUTE
SUB_OUT
MAIN_SRIN
GND
SURR_SROUT
SW_OUT
TO L
AC-3 CIRCUIT
(CN403)
(PAGE 28)
TO B
PANEL CIRCUIT
(CP904)
(PAGE 20)


TP (SL5)
TP (SR5)
D656,D657,D661,D662 MTZJ4R3BTA
Q604 RVTDTA114EST POWER LIMITTER
Q604 <0V>
Q701 2SD2374PQAU REGULATOR
Q703,Q704 2SC1740SSTA REGULATOR
Q705 2SC1740SSTA REGULATOR
Q706 2SC3940AQSTA SWITCHING
Q707 2SA1534AQRTA REGULATOR
Q708 2SB1548PQAU REGULATOR
D705 MTZJ6R2BTA
D707 MTZJ27DTA
D708 MTZJ15CTA
CN905
CN901
MAIN_LIN
MAIN_RIN
C_OUT
+5.6V
SURR_SLOUT
SURR_COUT
R_OUT
L_OUT
GND
MAIN_SLIN
HP_L
HP_R
AC
AC2
-27V
LIMITTER
AF_MUTE
RDS
RELAY
TO B PANEL CIRCUIT (CP905) (PAGE 21)
TO B PANEL CIRCUIT (CP901) (PAGE 19)



Q603
RVTDTA143XST
RELAY DRIVE

Q651,Q652
RVTDTA143XST
RELAY CONTROL

Q774
2SA933SSTA
FAN MOTOR DRIVE

Q605
RVTDTA114EST
REGULATOR

Q772
2SC1740SSTA
FAN MOTOR DRIVE

Q777
2SA933SSTA
FAN MOTOR DRIVE

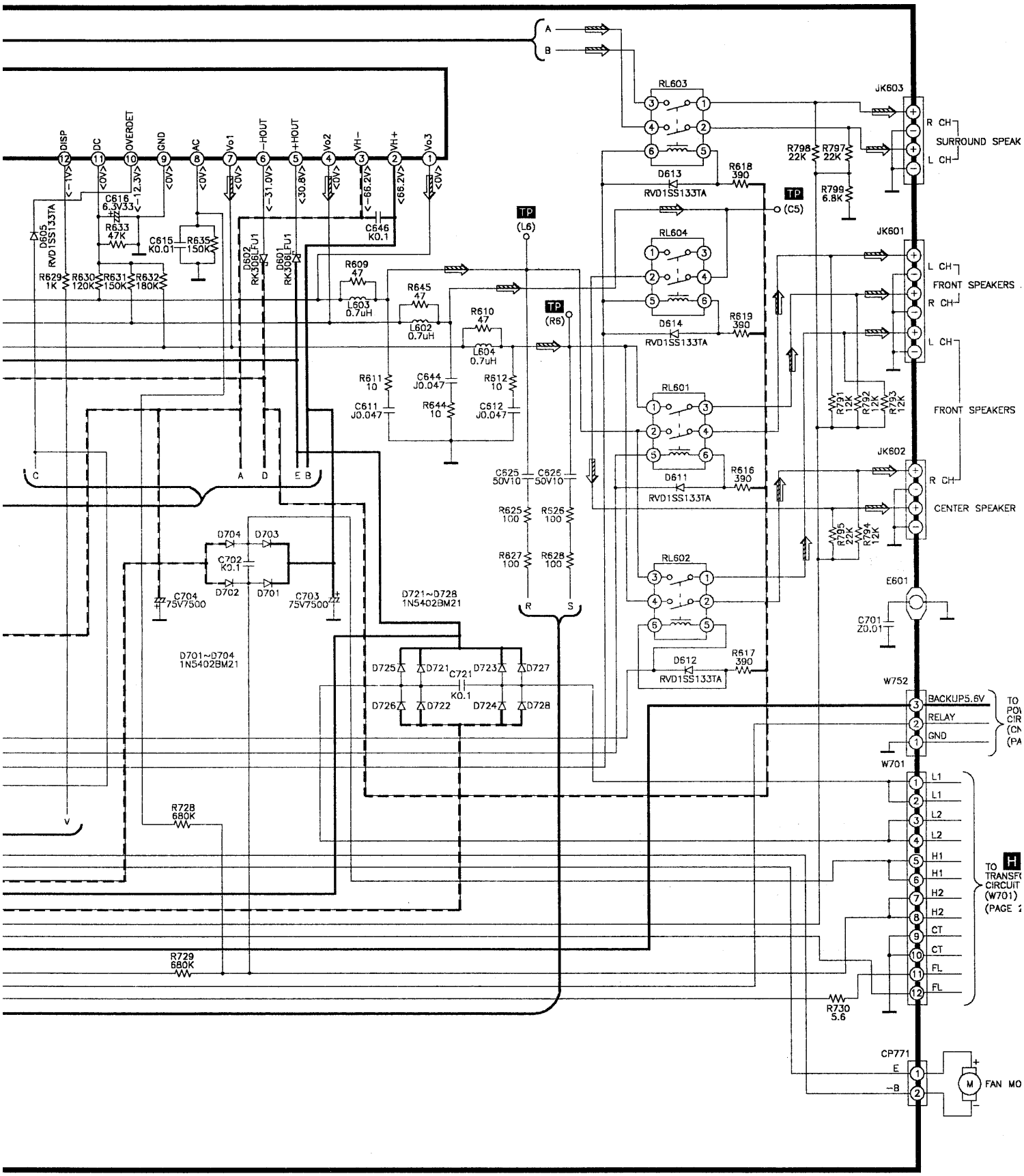
Q775
RVTDTA114EST
FAN MOTOR DRIVE

Q601,Q602
RVTDTA143XST
RELAY DRIVE

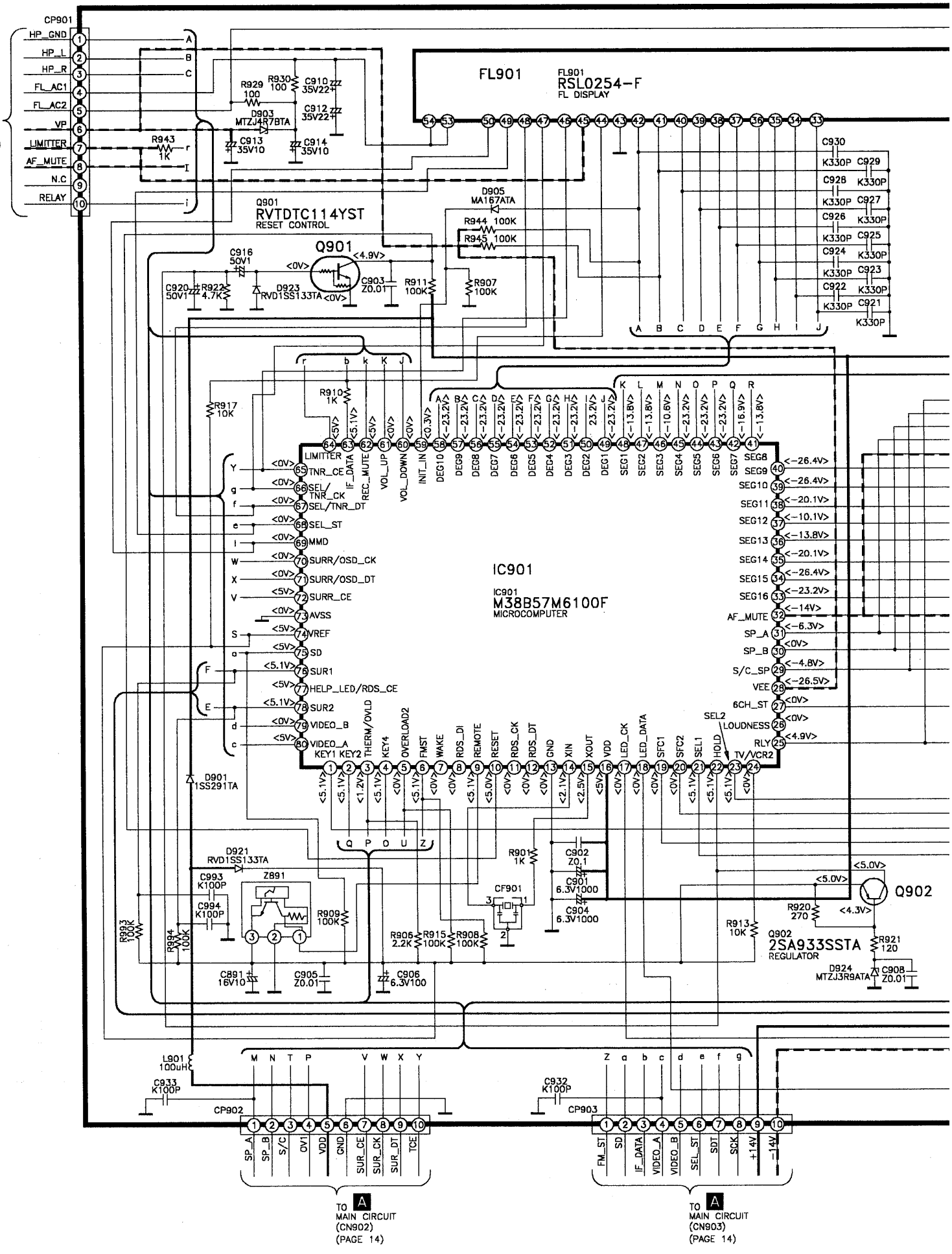
Q773
2SB621AQSTA
FAN MOTOR DRIVE

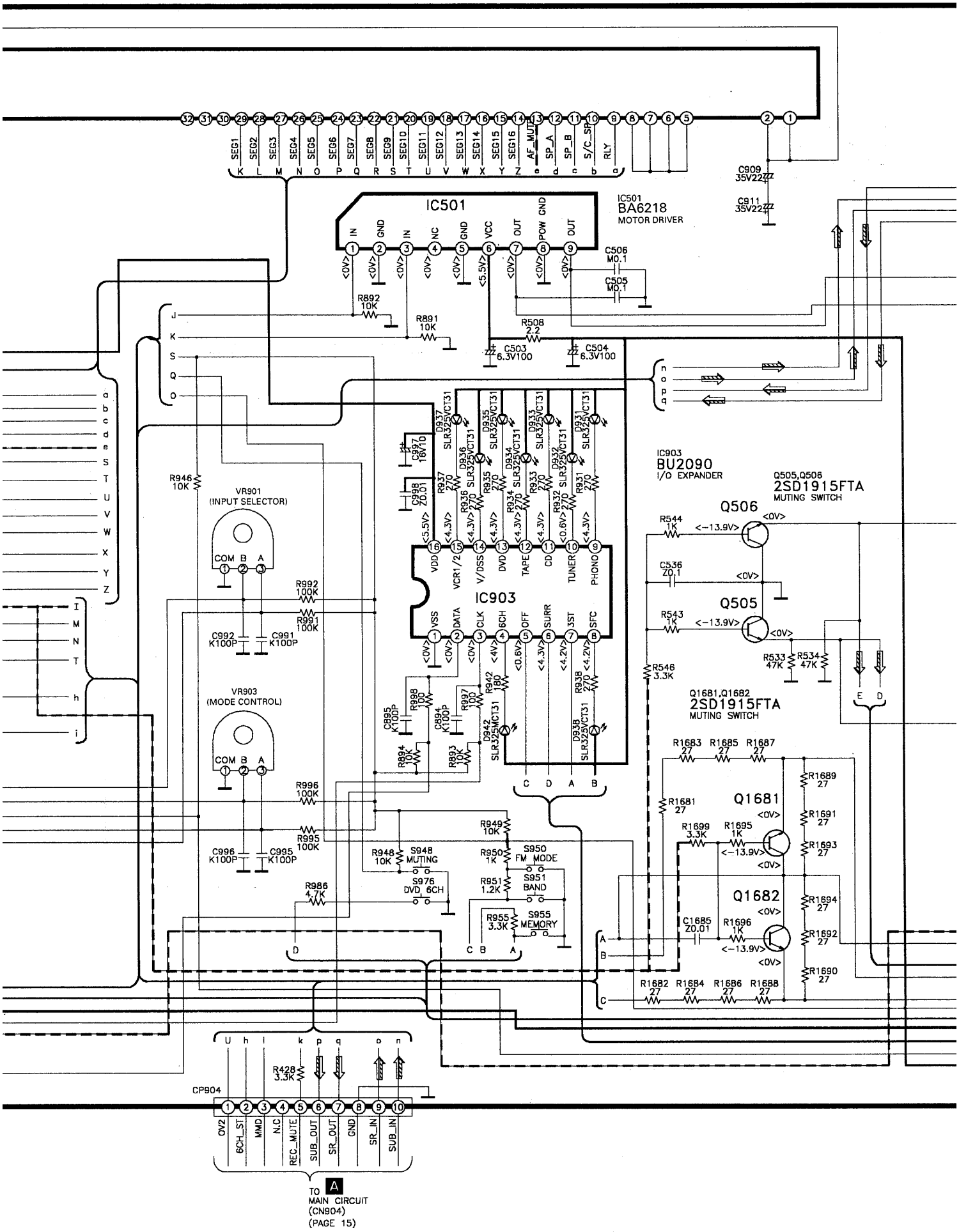
Q776
2SC1740SSTA
FAN MOTOR DRIVE

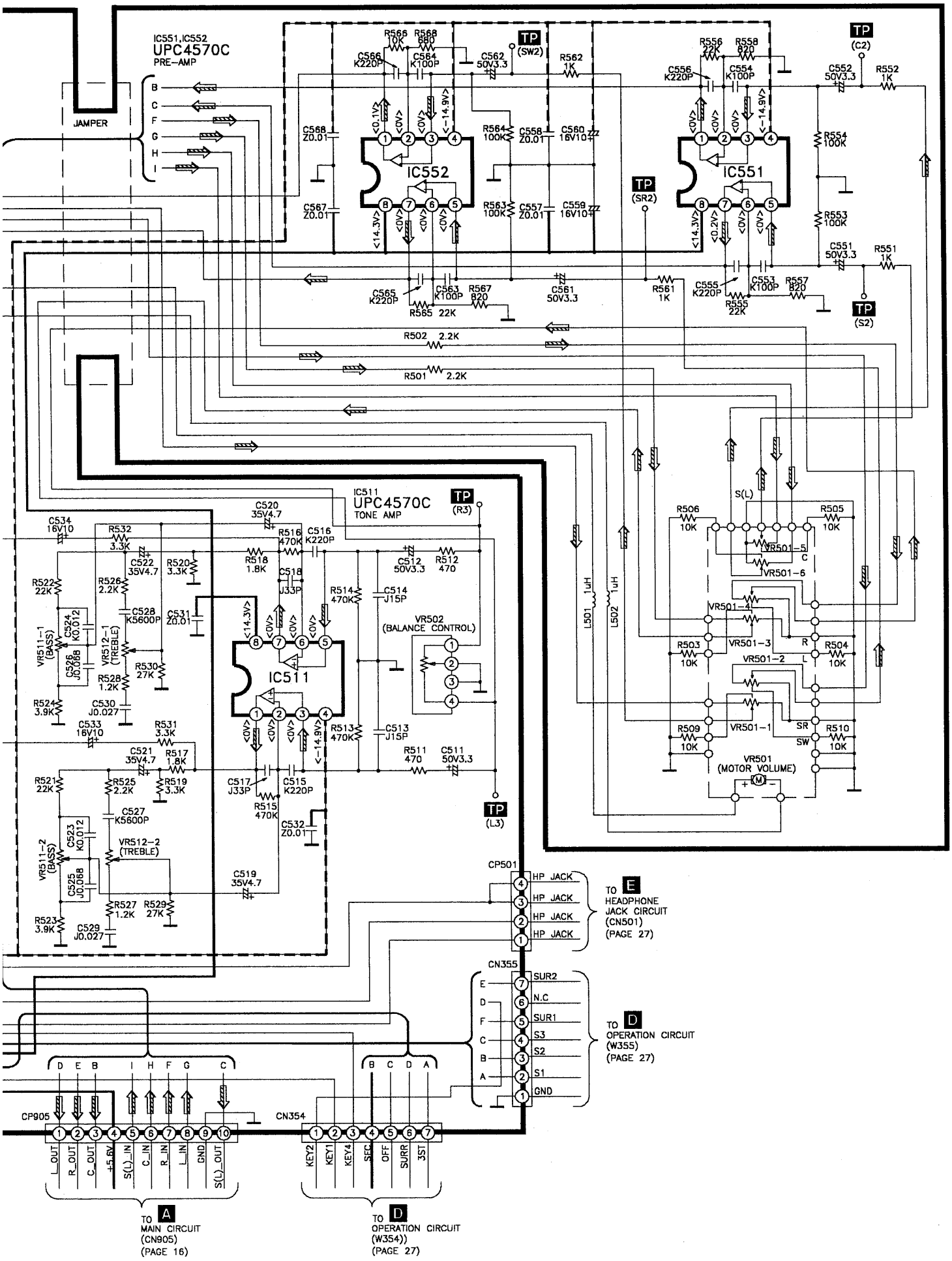
Q778
2SA933SSTA
FAN MOTOR DRIVE


DISP
DC
OVERDET
GND
AC
Vo1
-HOUT
+HOUT
Vo2
VH-
VH+
Vo3
RL603
RL604
RL601
RL602
JK603
JK601
JK602
R CH
L CH
SURROUND SPEAK
FRONT SPEAKERS
CENTER SPEAKER
D613
D614
D611
D612
RVD1SS133TA
TP
(C5)
(L6)
(R6)
D704
D703
D702
D701
C702
K0.1
C704
75V7500
C703
75V7500
D701~D704
1N5402BM21
D721~D728
1N5402BM21
C721
K0.1
D725
D721
D723
D727
D726
D722
D724
D728
R728
680K
R729
680K
R730
5.6
E601
C701
Z0.01
W752
BACKUP5.6V
RELAY
GND
W701
L1
L2
H1
H2
CT
FL
TO H
TRANSF
CIRCUIT
(W701)
CP771
E
-B
FAN MO

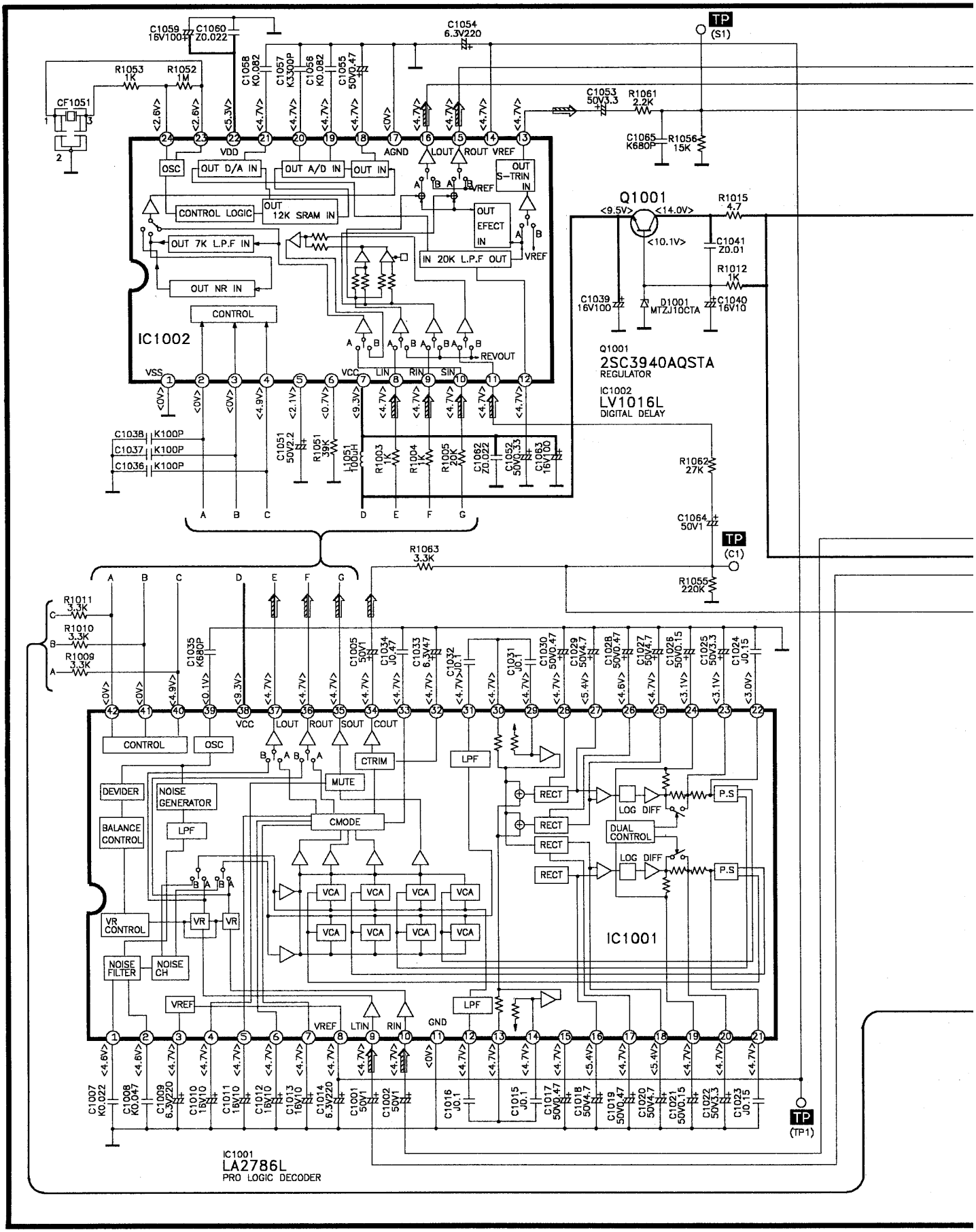
B PANEL CIRCUIT

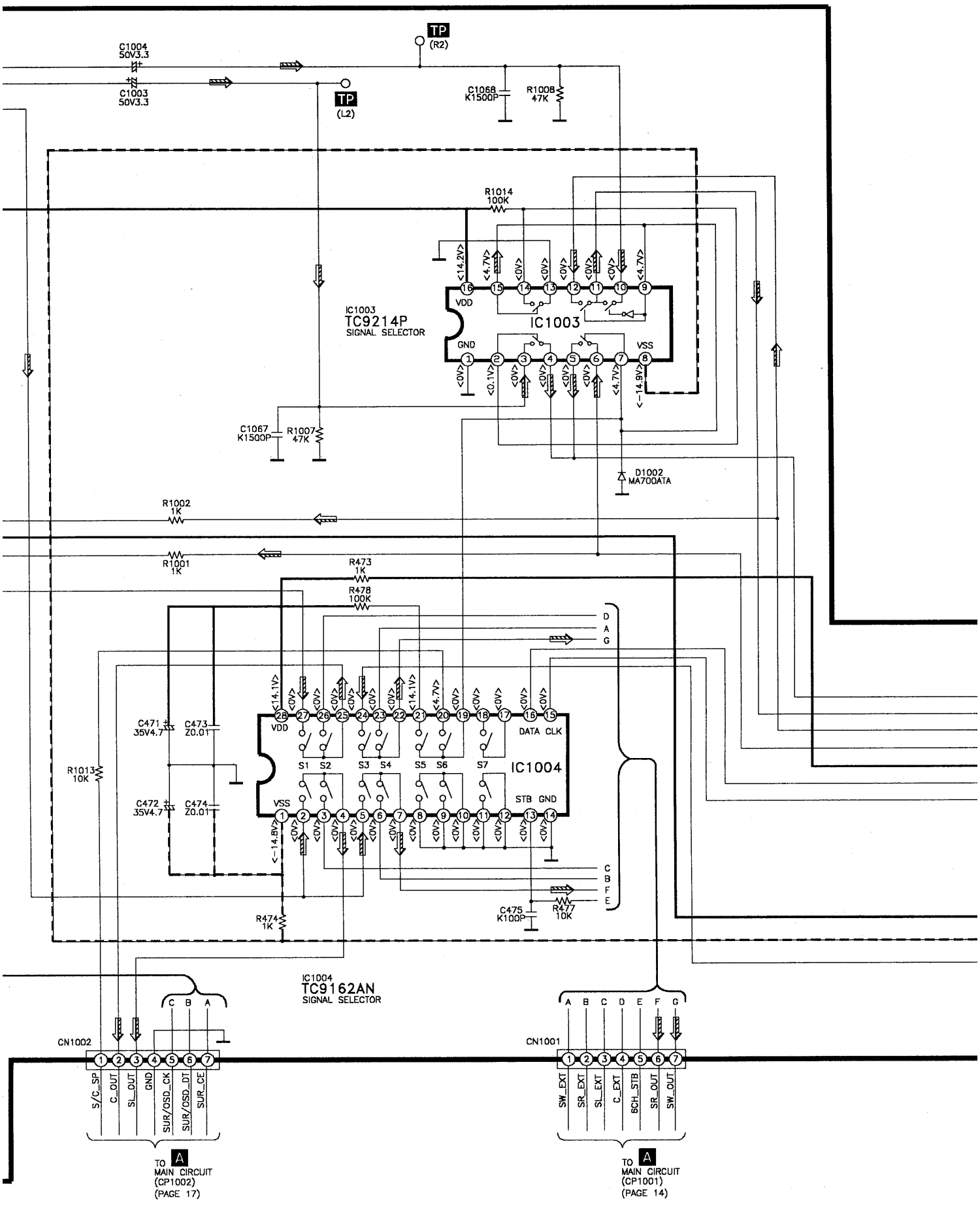


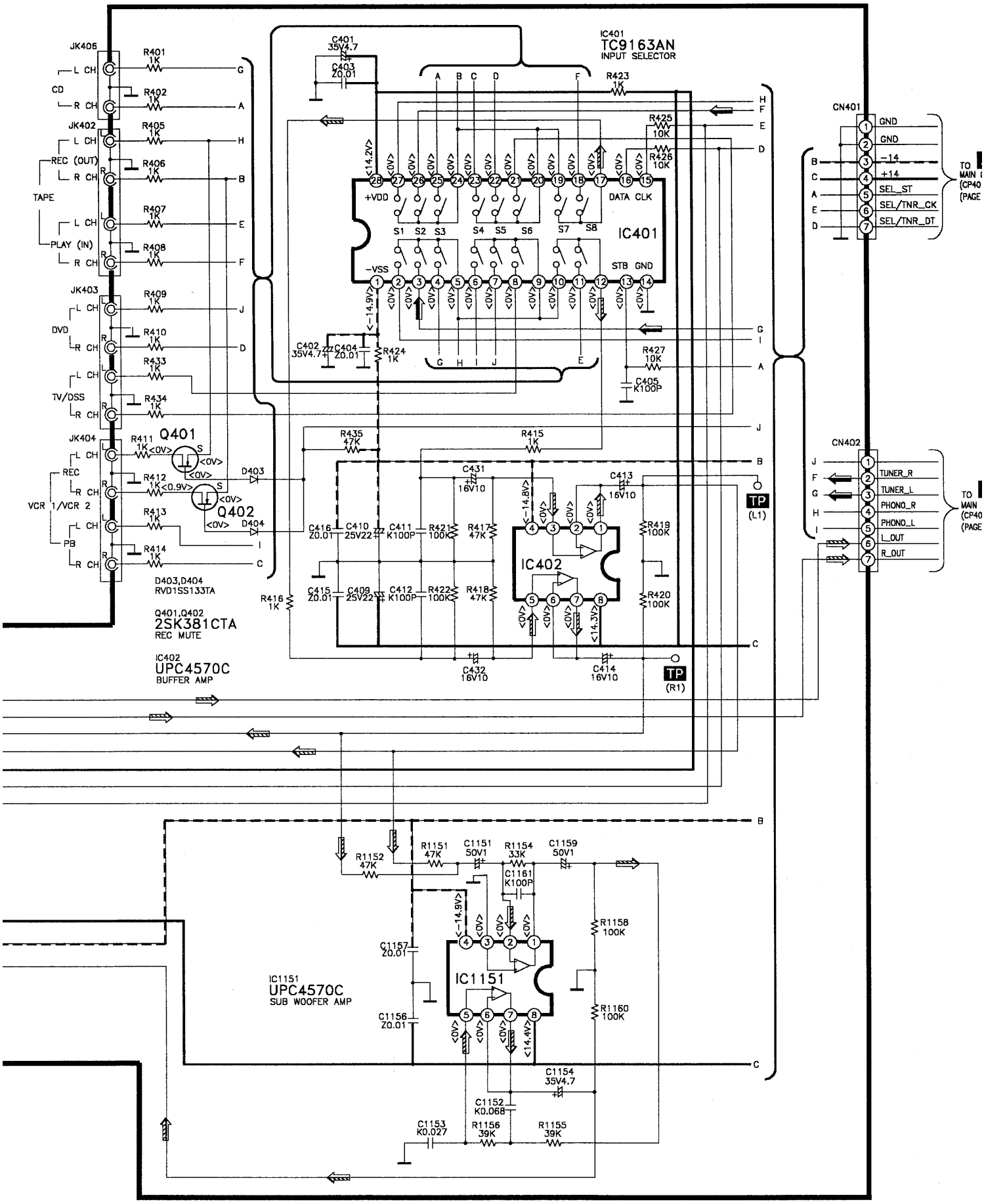

IC501
BA6218
MOTOR DRIVER
IC903
BU2090
I/O EXPANDER
Q505,Q506
2SD1915FTA
MUTING SWITCH
Q506
Q505
Q1681,Q1682
2SD1915FTA
MUTING SWITCH
Q1681
Q1682
VR901
(INPUT SELECTOR)
VR903
(MODE CONTROL)
S948 MUTING
S976 DVD_6CH
S950 FM_MODE
S951 BAND
S955 MEMORY
CP904
TO A
MAIN CIRCUIT
(CN904)
(PAGE 15)

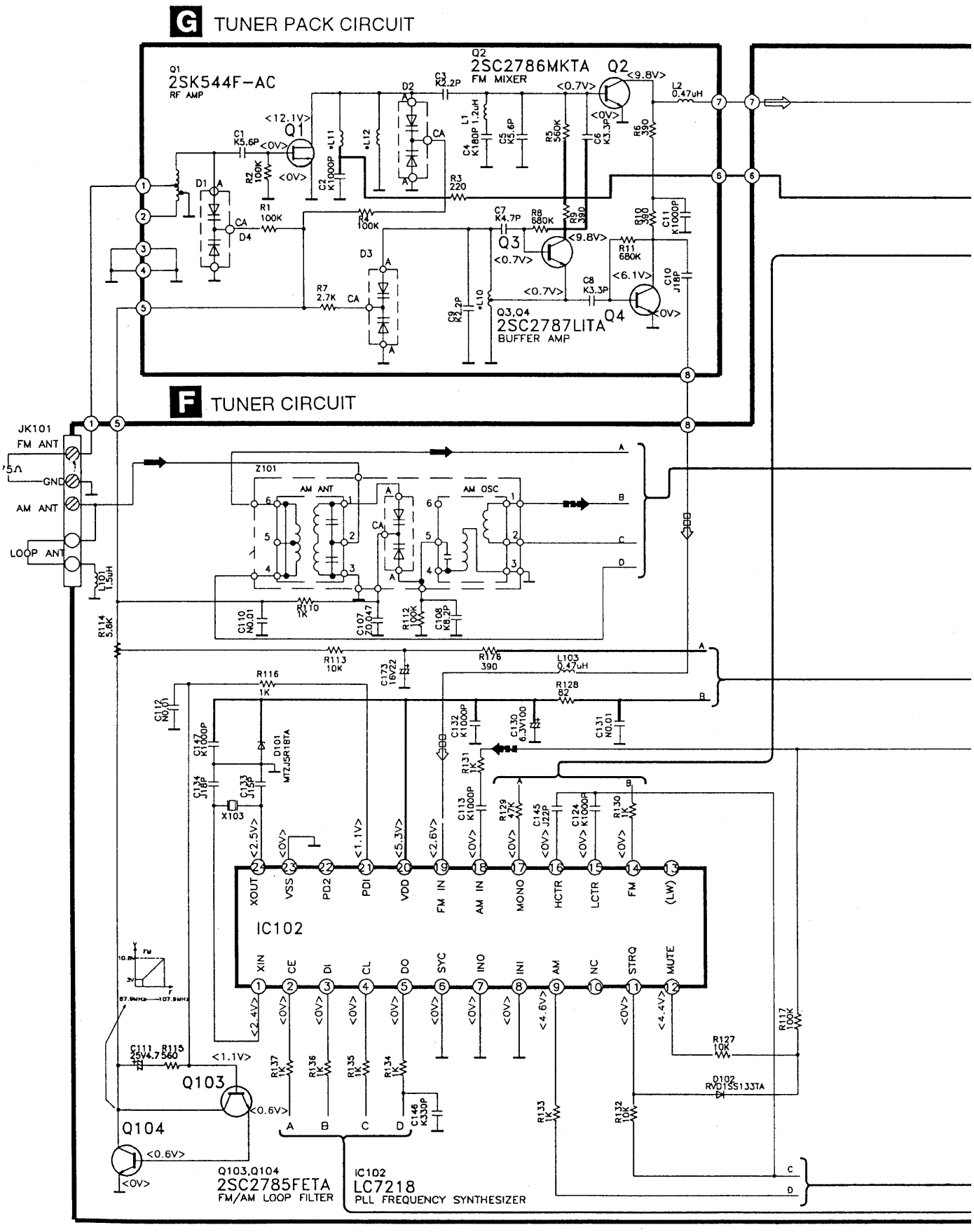

IC551,IC552
UPC4570C
PRE-AMP
JAMPER
IC552
IC551
TP (SW2)
TP (C2)
TP (SR2)
TP (S2)
R566 10K
R568 680
C566 K220P
C564 K100P
C562 50V3.3
R562 1K
C568 Z0.01
R564 100K
C558 Z0.01
C560 16V10
C567 Z0.01
R563 100K
C557 Z0.01
C559 16V10
C565 K220P
C563 K100P
R567 820
R565 22K
C561 50V3.3
R561 1K
R556 22K
R558 820
C556 K220P
C554 K100P
C552 50V3.3
R552 1K
R554 100K
R553 100K
C551 50V3.3
R551 1K
C555 K220P
C553 K100P
R557 820
R555 22K
R502 2.2K
R501 2.2K
IC511
UPC4570C
TONE AMP
TP (R3)
TP (L3)
C520 35V4.7
C534 16V10
R532 3.3K
R516 470K
C516 K220P
R518 1.8K
C512 50V3.3
R512 470
C522 35V4.7
R520 3.3K
C518 J33P
R522 22K
R526 2.2K
R514 470K
C514 J15P
C528 K5600P
C531 Z0.01
VR502 (BALANCE CONTROL)
VR511-1 (BASS)
C524 K0.012
VR512-1 (TREBLE)
C526 J0.068
R530 27K
R528 1.2K
R524 3.9K
C530 J0.027
C533 16V10
R531 3.3K
C521 35V4.7
R517 1.8K
R513 470K
C513 J15P
R511 470
C511 50V3.3
R521 22K
R525 2.2K
R519 3.3K
C517 J33P
C515 K220P
R515 470K
C527 K5600P
C532 Z0.01
VR511-2 (BASS)
C523 K0.012
VR512-2 (TREBLE)
C525 J0.068
C519 35V4.7
R523 3.9K
R527 1.2K
R529 27K
C529 J0.027
L501 1uH
L502 1uH
S(L)
R506 10K
R505 10K
VR501-5
C
VR501-6
VR501-4
VR501-3
R
R503 10K
R504 10K
VR501-2
L
VR501-1
SR
SW
R509 10K
R510 10K
VR501 (MOTOR VOLUME)
CP501
HP JACK
HP JACK
HP JACK
HP JACK
TO E HEADPHONE JACK CIRCUIT (CN501) (PAGE 27)
CN355
SUR2
N.C
SUR1
S3
S2
S1
GND
TO D OPERATION CIRCUIT (W355) (PAGE 27)
CP905
L_OUT
R_OUT
C_OUT
+5.6V
S(L)_IN
C_IN
R_IN
L_IN
GND
S(L)_OUT
CN354
KEY2
KEY1
KEY4
SEC
OFF
SURR
3ST
TO A MAIN CIRCUIT (CN905) (PAGE 16)
TO D OPERATION CIRCUIT (W354)) (PAGE 27)

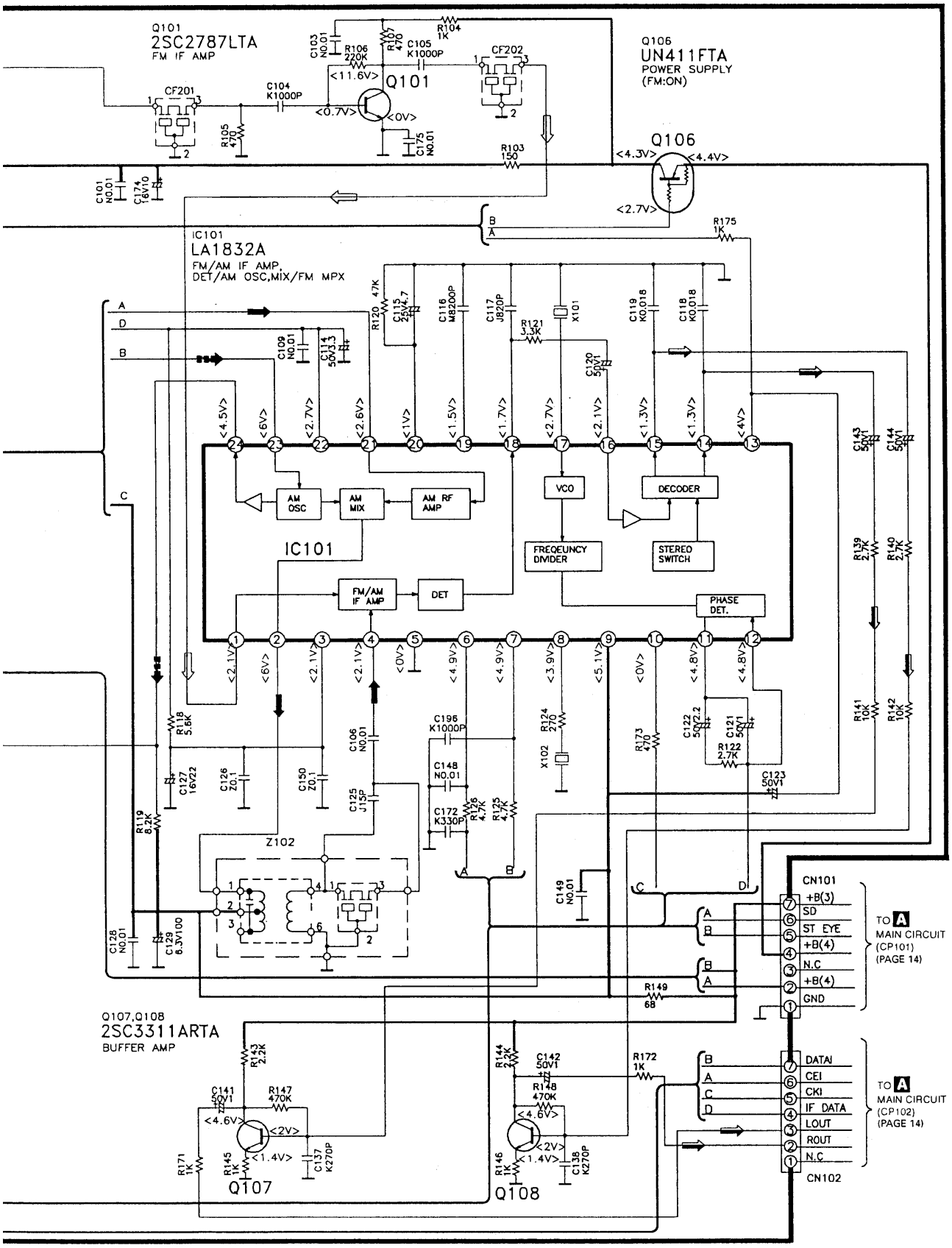
1 PRO LOGIC CIRCUIT

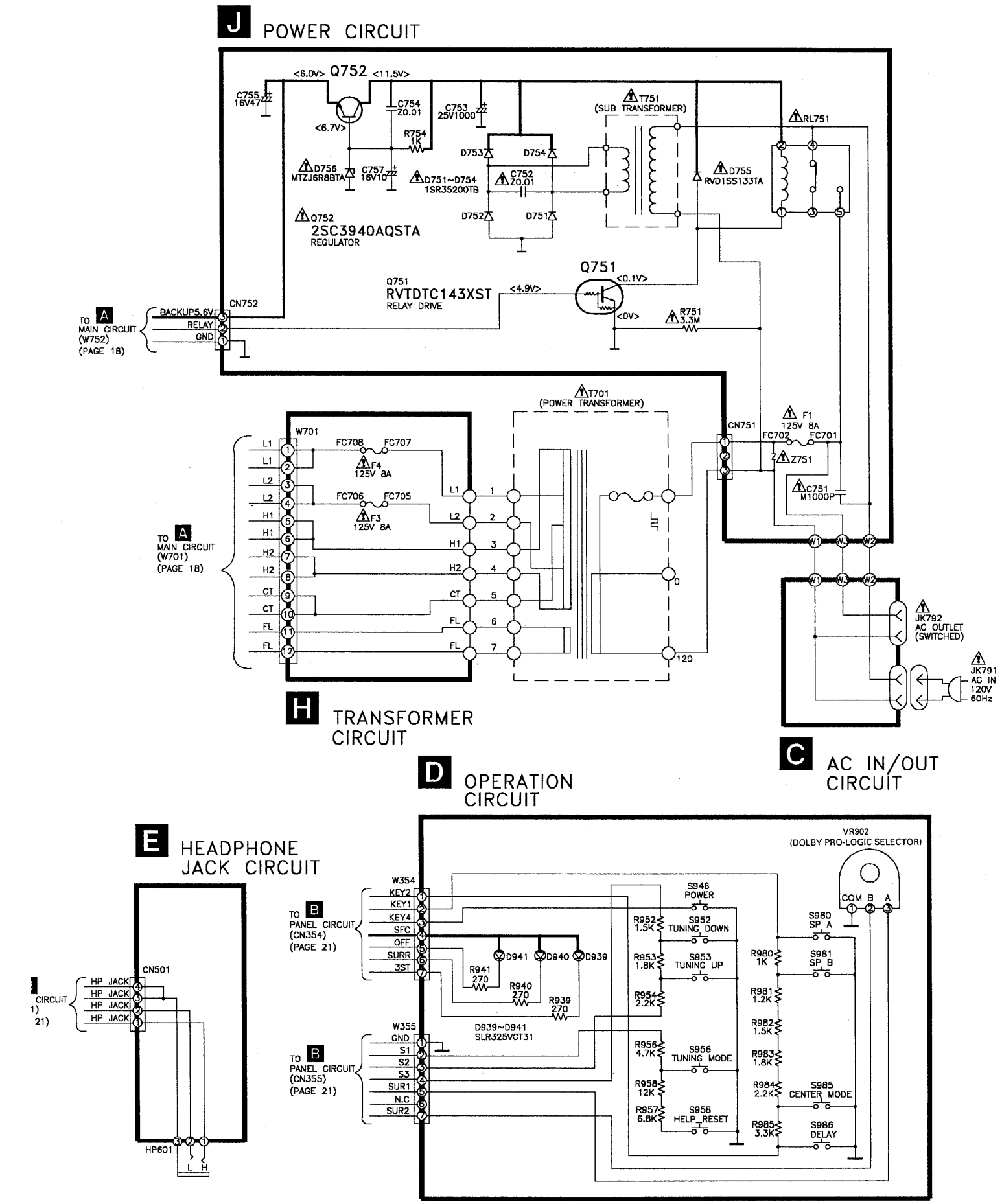



C1004
50V3.3
C1003
50V3.3
TP
(R2)
TP
(L2)
C1068
K1500P
R1008
47K
R1014
100K
IC1003
TC9214P
SIGNAL SELECTOR
IC1003
VDD
GND
VSS
C1067
K1500P
R1007
47K
D1002
MA700ATA
R1002
1K
R1001
1K
R473
1K
R478
100K
D
A
G
C471
35V4.7
C473
Z0.01
C472
35V4.7
C474
Z0.01
R1013
10K
IC1004
VDD
DATA CLK
S1 S2 S3 S4 S5 S6 S7
VSS
STB GND
C
B
F
E
C475
K100P
R477
10K
R474
1K
IC1004
TC9162AN
SIGNAL SELECTOR
CN1002
C B A
S/C_SP
C_OUT
SL_OUT
GND
SUR/OSD_CK
SUR/OSD_DT
SUR_CE
TO A
MAIN CIRCUIT
(CP1002)
(PAGE 17)
CN1001
A B C D E F G
SW_EXT
SR_EXT
SL_EXT
C_EXT
BCH_STB
SR_OUT
SW_OUT
TO A
MAIN CIRCUIT
(CP1001)
(PAGE 14)

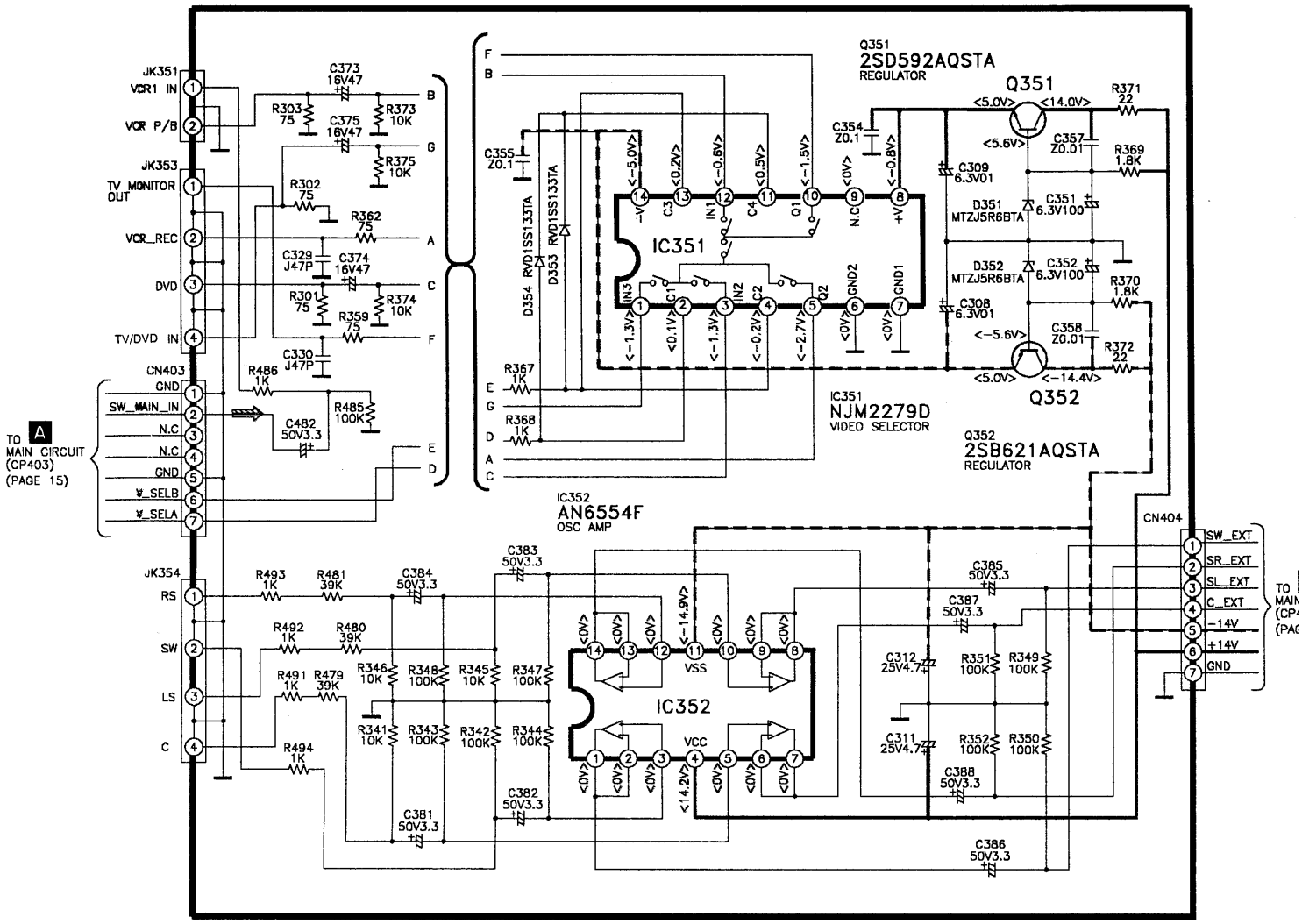

IC401
TC9163AN
INPUT SELECTOR
IC402
UPC4570C
BUFFER AMP
IC1151
UPC4570C
SUB WOOFER AMP
Q401
Q402
2SK381CTA
REC MUTE
D403,D404
RVD1SS133TA
JK406
JK402
JK403
JK404
CD
TAPE
DVD
TV/DSS
VCR 1/VCR 2
CN401
CN402
GND
-14
+14
SEL_ST
SEL/TNR_CK
SEL/TNR_DT
TUNER_R
TUNER_L
PHONO_R
PHONO_L
L_OUT
R_OUT
DATA CLK
STB GND
+VDD
-VSS
TP
(L1)
(R1)


G TUNER PACK CIRCUIT
Q1
2SK544F-AC
RF AMP
Q2
2SC2786MKTA
FM MIXER
Q3,04
2SC2787LITA
BUFFER AMP
F TUNER CIRCUIT
JK101
FM ANT
GND
AM ANT
LOOP ANT
Z101
AM ANT
AM OSC
IC102
XOUT
VSS
PD2
PDI
VDD
FM IN
AM IN
MONO
HCTR
LCTR
FM
(LW)
XIN
CE
DI
CL
DO
SYC
INO
INI
AM
NC
STRQ
MUTE
Q103
Q104
Q103,Q104
2SC2785FETA
FM/AM LOOP FILTER
IC102
LC7218
PLL FREQUENCY SYNTHESIZER

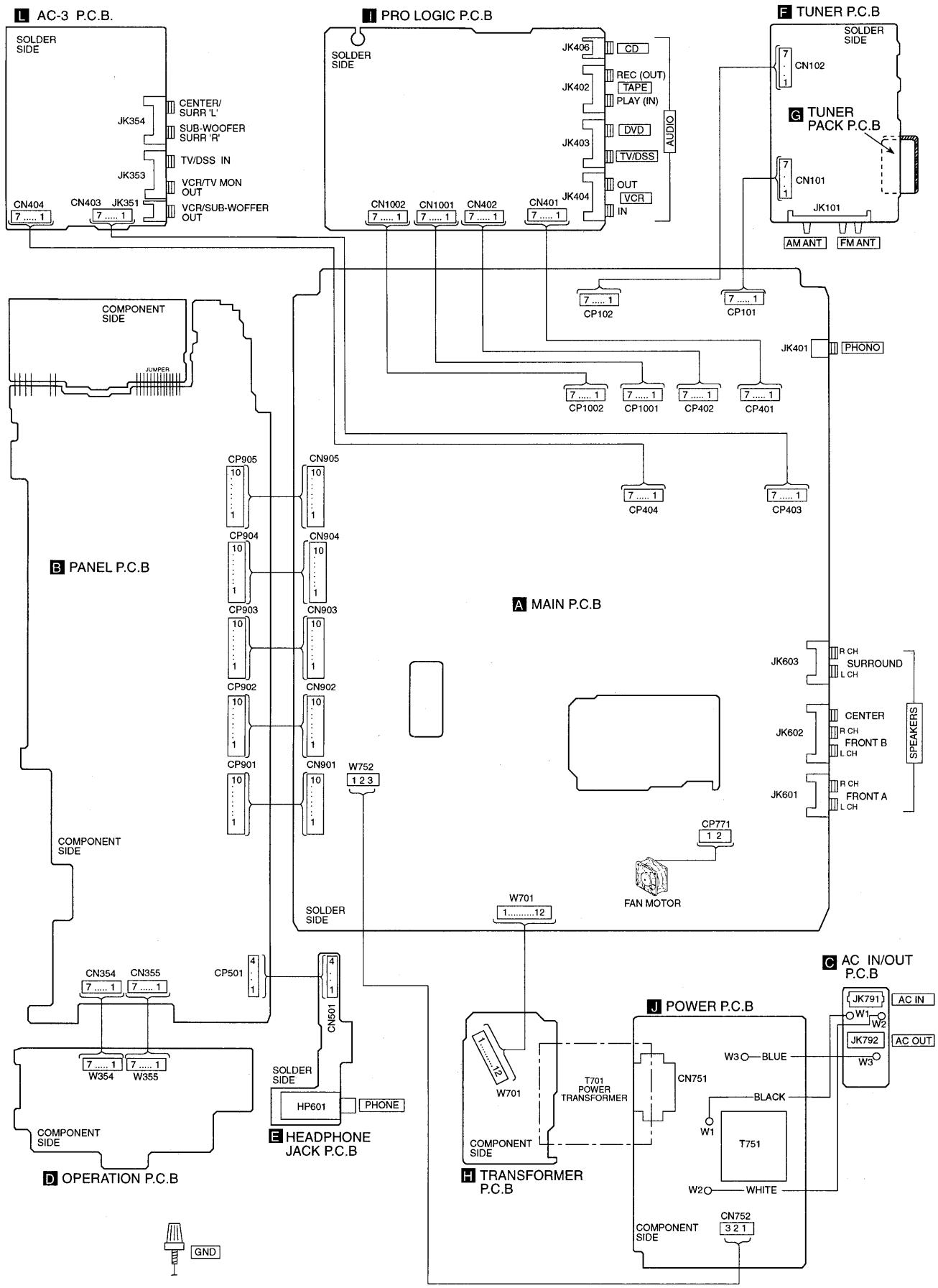

Q101
2SC2787LTA
FM IF AMP
Q106
UN411FTA
POWER SUPPLY
(FM:ON)
IC101
LA1832A
FM/AM IF AMP,
DET/AM OSC,MIX/FM MPX
AM OSC
AM MIX
AM RF AMP
VCO
DECODER
FREQEUNCY DIVIDER
STEREO SWITCH
FM/AM IF AMP
DET
PHASE DET.
Z102
X101
X102
CN101
+B(3)
SD
ST EYE
+B(4)
N.C
+B(4)
GND
TO A MAIN CIRCUIT (CP101) (PAGE 14)
Q107,Q108
2SC3311ARTA
BUFFER AMP
DATAI
CEI
CKI
IF DATA
LOUT
ROUT
N.C
CN102
TO A MAIN CIRCUIT (CP102) (PAGE 14)
Q107
Q108


J POWER CIRCUIT
Q752
<6.0V>
<11.5V>
<6.7V>
C755 16V47
C754 Z0.01
C753 25V1000
R754 1K
T751 (SUB TRANSFORMER)
RL751
D753
D754
D756 MTZJ6R8BTA
C757 16V10
D751~D754 1SR35200TB
C752 Z0.01
D755 RVD1SS133TA
D752
D751
Q752 2SC3940AQSTA REGULATOR
Q751 RVTDTC143XST RELAY DRIVE
<4.9V>
<0.1V>
<0V>
R751 3.3M
CN752
BACKUP5.6V
RELAY
GND
TO A MAIN CIRCUIT (W752) (PAGE 18)
T701 (POWER TRANSFORMER)
W701
FC708
FC707
F4 125V 8A
FC706
FC705
F3 125V 8A
L1
L2
H1
H2
CT
FL
TO A MAIN CIRCUIT (W701) (PAGE 18)
CN751
F1 125V 8A
FC702
FC701
Z751
C751 M1000P
JK792 AC OUTLET (SWITCHED)
JK791 AC IN 120V 60Hz
H TRANSFORMER CIRCUIT
C AC IN/OUT CIRCUIT
D OPERATION CIRCUIT
E HEADPHONE JACK CIRCUIT
CN501
HP JACK
HP601
W354
KEY2
KEY1
KEY4
SFC
OFF
SURR
3ST
TO B PANEL CIRCUIT (CN354) (PAGE 21)
D941
D940
D939
R941 270
R940 270
R939 270
D939~D941 SLR325VCT31
W355
GND
S1
S2
S3
SUR1
N.C
SUR2
TO B PANEL CIRCUIT (CN355) (PAGE 21)
VR902 (DOLBY PRO-LOGIC SELECTOR)
COM B A
S946 POWER
R952 1.5K
S952 TUNING DOWN
R953 1.8K
S953 TUNING UP
R954 2.2K
R956 4.7K
S956 TUNING MODE
R958 12K
R957 6.8K
S958 HELP_RESET
S980 SP A
S981 SP B
R980 1K
R981 1.2K
R982 1.5K
R983 1.8K
R984 2.2K
S985 CENTER MODE
R985 3.3K
S986 DELAY

L AC-3 CIRCUIT



■ Wiring Connection Diagram



■ Cabinet Parts Location