

Quality Uncompromised

ROTEL®

Technical Manual

SURROUND SOUND RECEIVER RSX-1055 V02

Table of Contents

Specification.....	1	PCB Assembly.....	18~24
Parts List.....	2~13	Schematic Diagram	25~38
Adjustment.....	14~16		
Wiring.....	17		

Specifications

Audio

Continuous Amplifier Power (five channels driven)

75 watts/ch (20-20k Hz, <0.09% THD, 8 ohms)

Continuous Amplifier Power (two channels driven)

100 watts/ch (1kHz, <1.0% THD, 8 ohms, DIN)

Total Harmonic Distortion

<0.09%

Intermodulation Distortion (60 Hz:7 kHz)

<0.05%

Frequency Response

10 Hz - 20 kHz, ± 1 dB (analog input)

10 Hz - 20 kHz, ± 0.3 dB (digital input)

Signal to Noise Ratio (IHF A-weighted)

92 dB (Stereo) Analog

90 dB (Dolby Digital, dts) 0dBFS

Input Sensitivity/Impedance

Line Level: 200 mV/47 kohms

Tone Controls (Bass/Treble)

± 8 dB at 100 Hz/10 kHz

Preamp Output Level

1.2 V (200 mV Input)

Video

Frequency Response

3 Hz - 10 MHz, ± 3 dB

Signal to Noise Ratio

45 dB

Input Impedance

75 ohms

Output Impedance

75 ohms

Output Level

1 volt

FM Tuner

Usable Sensitivity

14.2 dBf

Signal to Noise Ratio (at 65 dBf)

70 dBf

Harmonic Distortion (at 65 dBf)

0.03%

Stereo Separation (1 kHz)

45 dB

Output level

1 V

Antenna Input

75 ohms unbalanced

AM Tuner

Sensitivity

500 μ V/m

Signal to Noise Ratio

40 dBf

Output level

500 mV

Antenna Input

Loop Antenna

General

Power Consumption:

450 watts

Power Requirements (AC)

115 volts, 60Hz (USA version)

230 volts, 50Hz (CE version)

Dimensions (W x H x D)

432 x 162 x 442 mm

17.01" x 6.38" x 17.40"

Front Panel Height

(feet removed/for rack mount)

150 mm / 5.91"

Weight

17 Kg/37.4 lb.

THE ROTEL CO., LTD.

SHINSEN-BLD. 4F 10-10 SHINSEN-CHO, SHIBUYA-KU,
TOKYO 150-0045, JAPAN

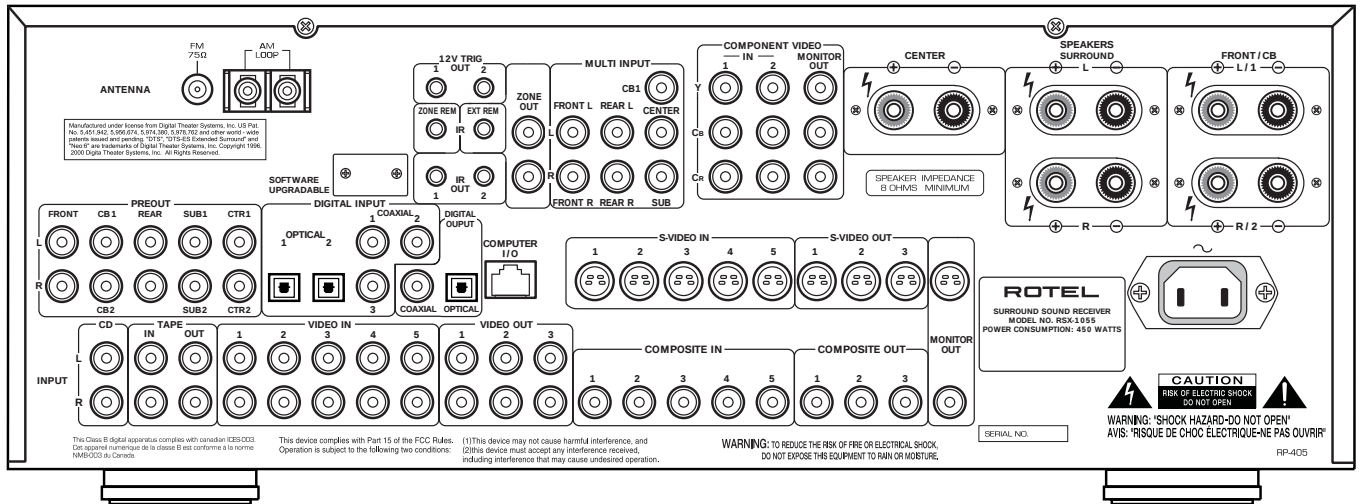
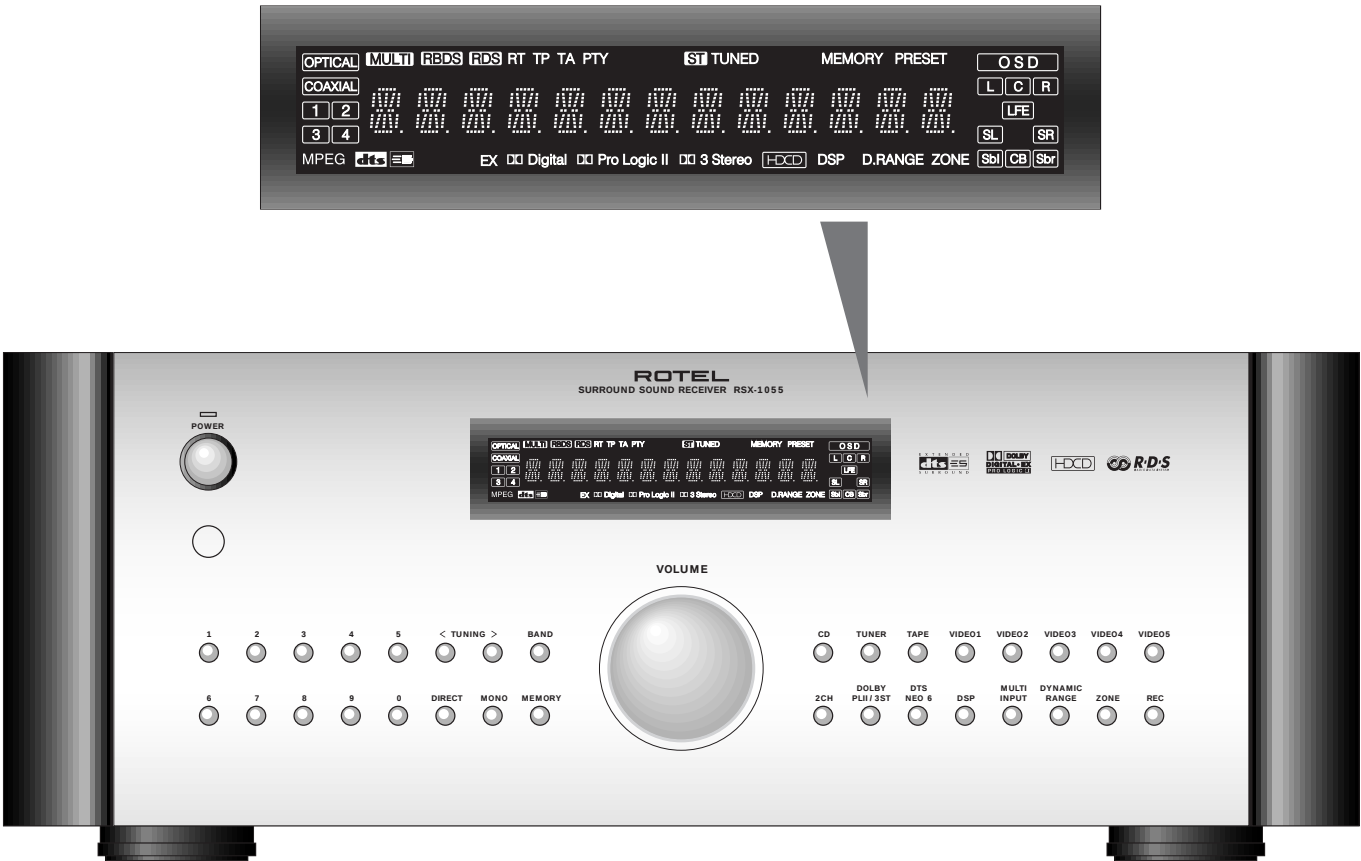
Serial. NO.

Beginning 2341001 ~

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Appearance

RSX-1055



SYMBOL	PARTS NO.	DESCRIPTION
016 E-1337A00 PCB ASSY (MAIN)		
	501 E-1337	PCB ASSY
L801	021 LAL02TB100M	INDUCTOR 10uH
L802	021 LAL02TB101M	INDUCTOR 100uH
X801	023 HC49U-001WR	CRYSTAL 14.31818MHz
IC901-903	031 KIA7805P	IC (REGULATOR +5V)
IC905	031 KIA7806PI	IC (REGULATOR +6V)
IC907	031 KIA7815PI	IC (REGULATOR +15V)
IC904	031 KIA7906PI	IC (REGULATOR -6V)
IC906	031 KIA7915PI	IC (REGULATOR -15V)
IC801	031 KS5520-1	IC (SCREEN DISPLAY)
IC205-209,302,303	031 NJM5532D	IC (DUAL OPEAMP)
IC201,202,802	031 TC9163AN	IC (SWITCH ARRAY)
IC301	031 TC9459N	IC (VOLUME)
IC803	031 TSH94IN	IC (QUAD OPEAMP)
Q902	032 D600-EF	TRANSISTOR 2SD600K-EF
Q209-212,303	032 TA1564	TRANSISTOR 2SA1564AC
Q201-208,301,302	032 TDC323TS	TRANSISTOR
Q801,802,805,901	033 TA1450-ST	TRANSISTOR 2SA1450AA-ST
Q213,304,803,804,903-905	033 TC3708-ST	TRANSISTOR 2SC3708AA-ST
D901-914,918	034 1N4004	DIODE (1A 400V)
CP906	034 P43T7D200BW20	POSISTOR
D801-803,915-917,919,930	034 T1N4148-86	DIODE 1N4148TAP
D922	034 TRD12JST1	ZENER DIODE 12V (AB2)
D920	034 TRD27JST1	ZENER DIODE 27V (AB2)
D923	034 TRD4.3EST1	ZENER DIODE 4.3V (B2)
D932	034 TRD5.1JST1	ZENER DIODE 5.1V (AB2)
D921,924	034 TRD9.1JST1	ZENER DIODE 9.1V (AB2)
F903,904	036 LT5-020H	AXIAL TYPE FUSE 2A
C805-808,812,813,816,817,827,833	041 TUTES1A101-TF	ELECTROLYTIC CAPACITOR 10V100uF
C906	041 TUTES1C103-TS	ELECTROLYTIC CAPACITOR 16V10000uF
C904,905	041 TUTES1C222-TS	ELECTROLYTIC CAPACITOR 16V2200uF
C801-804,935	041 TUTES1C471-TF	ELECTROLYTIC CAPACITOR 16V470uF
C901	041 TUTES1C472-TS	ELECTROLYTIC CAPACITOR 16V4700uF
C909	041 TUTES1E101-TF	ELECTROLYTIC CAPACITOR 25V100uF
C908	041 TUTES1E221-TF	ELECTROLYTIC CAPACITOR 25V220uF
C249-264,351-354,368,369	041 TUTES1E470-TF	ELECTROLYTIC CAPACITOR 25V47uF
C810,811,918	041 TUTES1E470-TF	ELECTROLYTIC CAPACITOR 25V47uF
C821,822,910-916	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
C269,270,809,919	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
C920	041 TUTES1H220-TF	ELECTROLYTIC CAPACITOR 50V22uF
C823	041 TUTES1H2R2-TF	ELECTROLYTIC CAPACITOR 50V2.2uF
C921	041 TUTES1H470-TF	ELECTROLYTIC CAPACITOR 50V47uF
C265,266,271,272,275-277,288	041 TUTES1H4R7-TF	ELECTROLYTIC CAPACITOR 50V4.7uF
C291-294,297-300,303,304,355,356	041 TUTES1H4R7-TF	ELECTROLYTIC CAPACITOR 50V4.7uF
C360,361,366,367	041 TUTES1H4R7-TF	ELECTROLYTIC CAPACITOR 50V4.7uF
C826	041 TUTES1HR47-TF	ELECTROLYTIC CAPACITOR 50V0.47uF
C902,903	041 TUTES1V332-TS	ELECTROLYTIC CAPACITOR 35V3300uF
C922-934	043 TC500V103	CERAMIC CAPACITOR 500V103pF
C203-206,209-248,267,268,273,274	043 TC50V101	CERAMIC CAPACITOR 100pF
C289,290,295,296,301,302,357-359	043 TC50V101	CERAMIC CAPACITOR 100pF
C362-365,824,829	043 TC50V101	CERAMIC CAPACITOR 100pF
C825	043 TC50V103	CERAMIC CAPACITOR 0.01uF
C305-315,834-837	043 TC50V104	CERAMIC CAPACITOR 0.1uF
C814,815,828,832,917	043 TC50V104	CERAMIC CAPACITOR 0.1uF
C200	043 TC50V223	CERAMIC CAPACITOR 0.022uF
C830,831	043 TC50VCH330	CERAMIC CAPACITOR 33pF
C819,820	043 TC50VCH560	CERAMIC CAPACITOR 56pF
R901	054 1WS10J	MOF RESISTOR 1W 10
RW901	054 1WS2.2JF	MOF RESISTOR 1W 2.2
R907	054 2WS10JF	MOF RESISTOR 2W 10
RW905	054 2WS1JF	MOF RESISTOR 2W 1
RW902	054 2WS2.2JF	MOF RESISTOR 2W 2.2
R203-206,209-218,802	054 TMF1000	METAL FILM RESISTOR 1/4W 100

Parts List 2/10

SYMBOL	PARTS NO.	DESCRIPTION
R207,208,219-224,232-236,247,248	054 TMF1001	METAL FILM RESISTOR 1/4W 1K
R255-258,267-270,279-282,291-294	054 TMF1001	METAL FILM RESISTOR 1/4W 1K
R303-305,355,356,361-363,366,367	054 TMF1001	METAL FILM RESISTOR 1/4W 1K
R370,371,376,377,820,923	054 TMF1001	METAL FILM RESISTOR 1/4W 1K
R249,250,253,254,259,260,265,266	054 TMF1003	METAL FILM RESISTOR 1/4W 100K
R271,272,277,278,283,284,289,290	054 TMF1003	METAL FILM RESISTOR 1/4W 100K
R295,296,301,302,357,358,368,369	054 TMF1003	METAL FILM RESISTOR 1/4W 100K
R374,375	054 TMF1003	METAL FILM RESISTOR 1/4W 100K
R924	054 TMF1501	METAL FILM RESISTOR 1/4W 1.5K
R808-810	054 TMF16-1000	METAL FILM RESISTOR 1/6W 100
R814-819,835-837,855-857	054 TMF16-1001	METAL FILM RESISTOR 1/6W 1K
R904,906,910	054 TMF16-1001	METAL FILM RESISTOR 1/6W 1K
R801,803,811-813,911	054 TMF16-1002	METAL FILM RESISTOR 1/6W 10K
R838	054 TMF16-1003	METAL FILM RESISTOR 1/6W 100K
R846	054 TMF16-1004	METAL FILM RESISTOR 1/6W 1M
R843	054 TMF16-10R0	METAL FILM RESISTOR 1/6W 10
R821	054 TMF16-1200	METAL FILM RESISTOR 1/6W 120
R845	054 TMF16-1201	METAL FILM RESISTOR 1/6W 1.2K
R800	054 TMF16-1202	METAL FILM RESISTOR 1/6W 1.2K
R834,847	054 TMF16-1800	METAL FILM RESISTOR 1/6W 180
R848,913,914	054 TMF16-1R00	METAL FILM RESISTOR 1/6W 1
R839	054 TMF16-2003	METAL FILM RESISTOR 1/6W 200K
R828,829,908	054 TMF16-2201	METAL FILM RESISTOR 1/6W 2.2K
R842	054 TMF16-2202	METAL FILM RESISTOR 1/6W 22K
R830,831	054 TMF16-22R0	METAL FILM RESISTOR 1/6W 22
R844	054 TMF16-3901	METAL FILM RESISTOR 1/6W 3.9K
R841,905	054 TMF16-4701	METAL FILM RESISTOR 1/6W 4.7K
R826,854,902,903,909,912	054 TMF16-47R0	METAL FILM RESISTOR 1/6W 47
R840	054 TMF16-5101	METAL FILM RESISTOR 1/6W 5.1K
R824,825	054 TMF16-5602	METAL FILM RESISTOR 1/6W 56K
R822,823	054 TMF16-6801	METAL FILM RESISTOR 1/6W 6.8K
R827	054 TMF16-68R0	METAL FILM RESISTOR 1/6W 68
R804-807,849-853	054 TMF16-75R0	METAL FILM RESISTOR 1/6W 75
R225-230,237-246,351-354	054 TMF2200	METAL FILM RESISTOR 1/4W 220
R364,365,832,833	054 TMF2200	METAL FILM RESISTOR 1/4W 220
R378	054 TMF3301	METAL FILM RESISTOR 1/4W 3.3K
R251,252,261,262,273,274,285,286	054 TMF4701	METAL FILM RESISTOR 1/4W 4.7K
R297,298,306,359,360,372,373,379	054 TMF4701	METAL FILM RESISTOR 1/4W 4.7K
R921	054 TMF4701	METAL FILM RESISTOR 1/4W 4.7K
JK801-803	066 4TR-2964#10	3P PIN JACK (YEL)
JK201	066 C-4784A01	4P PIN JACK (WHT/RED)
JK202-204	066 C-4792A01	6P PIN JACK (WHT/RED)
016 X-1338A01-06 PCB ASSY (FRONT)		
	501 X-1338	PCB ASSY
X101	023 CST10.0MTW	CERAMIC RESONATOR
IC100	031 CXP82832-338Q	I C (CPU)
RMC101	031 SBX3010-52B	I C (REMOTE EYE)
IC203,204	031 TC9163AN	IC (SWITCH ARRAY)
Q101	032 TC3708-ST	TRANSISTOR 2SC3708AA-ST
D101-104	034 T1N4148-86	DIODE 1N4148TAP-50
FIP1	035 HNR08MM31	FL TUBE
C114	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
C117	041 TUTES1H4R7-TF	ELECTROLYTIC CAPACITOR 50V4.7uF
C101-104,106,107	043 TC50V101	CERAMIC CAPACITOR 100pF
C115,118	043 TC50V103	CERAMIC CAPACITOR 0.01uF
C100,112,113	043 TC50V473	CERAMIC CAPACITOR 0.047uF
C108-111	043 TC50V821	CERAMIC CAPACITOR 820pF
CS100	044 3549472109	AC CAPACITOR 400V0.0047uF
R101-104,124-126	053 CR14-102J-A	CARBON RESISTOR 1/4W 1K
R109,114-119,123	053 CR14-103J-A	CARBON RESISTOR 1/4W 10K
(R121)	053 CR14-181J-A	CARBON RESISTOR 1/4W 180
R120	053 CR14-470J-A	CARBON RESISTOR 1/4W 47
(R121)	053 CR14-471J-A	CARBON RESISTOR 1/4W 470
R122	053 CR14-472J-A	CARBON RESISTOR 1/4W 4.7K

Parts List 3/10

SYMBOL	PARTS NO.	DESCRIPTION
R105-108,110-113	053 CR14-473J-A	CARBON RESISTOR 1/4W 47K
ESW101	056 C-4678A01	ENCODER EC16B243040F(D25)
SW100	061 C-4176A08	POWER SWITCH PS3-22SPA-P7AZ TV-8
SW101-132	061 C-4679A03	TACT SWITCH SKHHAMA010
016 X-1339 01-04 PCB ASSY (TERMINAL)		
	501 X-1339	PCB ASSY
IC861	031 ADG774BR	I C (SWITCH ARRAY) SMD
IC862	031 LT1399CS	IC (QUAD AMP) SMD
IC101,103	031 LTV817	I C (PHOTO COUPLER)
ICW151,152	031 NJM5532D	I C (DUAL OPEAMP)
D181-183	034 T1N4148-86	DIODE 1N4148TAP-50
C861-863,867-872	041 TUTES1A101-TF	ELECTROLYTIC CAPACITOR 10V100uF
C873,874	041 TUTES1A221-TF	ELECTROLYTIC CAPACITOR 10V220uF
C875	041 TUTES1A471-TF	ELECTROLYTIC CAPACITOR 10V470uF
CW163	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CW151,152,155,156	041 TUTES1H470-TF	ELECTROLYTIC CAPACITOR 50V47uF
CW160	042 TP50V333J	MYLAR CAPACITOR 0.033uF
C161-167	043 TC50V101	CERAMIC CAPACITOR 100pF
CW153,154,157,158,C864-866	043 TC50V104	CERAMIC CAPACITOR 0.1uF
CW161,162	043 TC50V222	CERAMIC CAPACITOR 0.0022uF
C966-970	043 TC50V472	CERAMIC CAPACITOR 0.0047uF
C951-955	043 TC50V473	CERAMIC CAPACITOR 0.047uF
CW159	044 50MSAN224J	STACKED FILM CAPACITOR 0.22uF
R185,186,879-881	053 CR16-100J-A	CARBON RESISTOR 1/6W 10
R180,181	053 CR16-101J-A	CARBON RESISTOR 1/6W 100
R166-172,873-878	053 CR16-102J-A	CARBON RESISTOR 1/6W 1K
R882,RW155-160,165,167-170	053 CR16-103J-A	CARBON RESISTOR 1/6W 10K
R157-163,870-872,RW171	053 CR16-104J-A	CARBON RESISTOR 1/6W 100K
RW162,163	053 CR16-123J-A	CARBON RESISTOR 1/6W 12K
RW161	053 CR16-152J-A	CARBON RESISTOR 1/6W 1.5K
RW151-154	053 CR16-221J-A	CARBON RESISTOR 1/6W 220
RW164	053 CR16-273J-A	CARBON RESISTOR 1/6W 27K
R193,194,883-885	053 CR16-472J-A	CARBON RESISTOR 1/6W 4.7K
R861-869	053 CR16-750J-A	CARBON RESISTOR 1/6W 75
R951-955	054 2WS10JF	MOF RESISTOR 2W 10
R183,184	054 2WS56JF	MOF RESISTOR 2W 56
JAK961	064 KSP02H	DIP SWITCH
JAK957-959	065 HSJ1002-01-1020	3.5Φ MINI JACK
JAK960	066 C-4721A02	9P PIN JACK (GR/BL/R)
JAK954	066 C-4792A01	6P PIN JACK (WHT/RED)
JAK955	066 C-4793A01	3P PIN JACK (BLK)
JAK951,952	067 C-4794A00	4P SPEAKER TERMINAL (RED/BLK)
JAK953	067 C-4795A00	2P SPEAKER TERMINAL (RED/BLK)
016 E-4002000200A PCB ASSY (AMP)		
	501 E-4002000200A	PCB ASSY
QC,QL,QR,QSL,QSR210	032 C4137-V	TRANSISTOR (2SC4137-V)
Q216	032 KRC107M	TRANSISTOR KRC107M
QC,QL,QR,QSL,QSR208	033 A1360-OY	TRANSISTOR 2SA1360-OY
QC,QL,QR,QSL,QSR214	033 A1386-OPY	TRANSISTOR 2SA1386A-OPY
QC,QL,QR,QSL,QSR212	033 A1859-Y	TRANSISTOR 2SA1859A-Y
QC,QL,QR,QSL,QSR209	033 C3423-OY	TRANSISTOR 2SC3423-OY
QC,QL,QR,QSL,QSR213	033 C3519-OPY	TRANSISTOR 2SC3519A-OPY
QC,QL,QR,QSL,QSR211	033 C4883-Y	TRANSISTOR 2SC4883A-Y
Q217,QC201-204,207,QL,QR201-204,207	033 KTA1268-GRBL	TRANSISTOR KTA1268-GRBL
QSL,QSR201-204,207	033 KTA1268-GRBL	TRANSISTOR KTA1268-GRBL
QC,QL,QR,QSL,QSR205,206,215	033 KTC3200-GRBL	TRANSISTOR KTC3200-GRBL
DC,DL,DR201	034 T1N4148-86	DIODE 1N4148TAP-50
DSR201	034 T1N4148-86	DIODE 1N4148TAP-50
DSL201,DC,DL,DR,DSL,DSR202	034 T1N4148-86	DIODE 1N4148TAP-50
ZD201	034 TRD12JST1	ZENER DIODE 12V (AB2)
CC,CL,CR,CSL,CSR206	041 TUTES1A221-TF	ELECTROLYTIC CAPACITOR 10V220uF
C215,217,CC,CL,CR,CSL,CSR204	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
CC,CL,CR,CSL,CSR211,214	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CC,CL,CR,CSL,CSR205	041 TUTES1H220-TF	ELECTROLYTIC CAPACITOR 50V22uF

Parts List 4/10

SYMBOL	PARTS NO.	DESCRIPTION
C216	041 TUTES1H470-TF	ELECTROLYTIC CAPACITOR 50V47uF
CC.CL.CR.CSL.CSR201	041 TUTES1H4R7-TF	ELECTROLYTIC CAPACITOR 50V4.7uF
CC.CL.CR.CSL.CSR210,212	041 TUTES1J471-TS	ELECTROLYTIC CAPACITOR 63V470uF
CC.CL.CR.CSL.CSR209	043 TC50V181-A	CERAMIC CAPACITOR 180pF
CC.CL.CR.CSL.CSR202	043 TC50V271-A	CERAMIC CAPACITOR 270pF
CC.CL.CR.CSL.CSR203	043 TC50V391-A	CERAMIC CAPACITOR 390pF
CC.CL.CR.CSL.CSR207	043 TC50VCH5R6-A	CERAMIC CAPACITOR 5.6pF
R244,245	054 1WS1.2KJF	MOF RESISTOR 1W 1.2K
RC.RL.RR.RSL.RSR233	054 MPR5W0.27RJ	METAL PLATE RESISTOR 5W 0.27
RC.RL.RR.RSL.RSR228,229	054 TMF1000	METAL FILM RESISTOR 1/4W 100
RC.RSL.RSR201	054 TMF16-1001	METAL FILM RESISTOR 1/6W 1K
RL201	054 TMF16-1001	METAL FILM RESISTOR 1/6W 1K
RR201,RC.RL.RR.RSL.RSR207	054 TMF16-1001	METAL FILM RESISTOR 1/6W 1K
RC.RL.RR.RSL.RSR210	054 TMF16-1002	METAL FILM RESISTOR 1/6W 10K
R237	054 TMF16-1003	METAL FILM RESISTOR 1/6W 100K
RC.RL.RR.RSL.RSR221	054 TMF16-1200	METAL FILM RESISTOR 1/6W 120
RC.RL.RR.RSL.RSR222	054 TMF16-1200	METAL FILM RESISTOR 1/6W 120
RC.RL.RR.RSL.RSR226	054 TMF16-1201	METAL FILM RESISTOR 1/6W 1.2K
RC.RL.RR.RSL.RSR212	054 TMF16-1201	METAL FILM RESISTOR 1/6W 1.2K
RC.RL.RSL.RSR209	054 TMF16-1500	METAL FILM RESISTOR 1/6W 150
RR209	054 TMF16-1500	METAL FILM RESISTOR 1/6W 150
R243	054 TMF16-1503	METAL FILM RESISTOR 1/6W 150K
RC.RL.RR.RSL.RSR203,204	054 TMF16-15R0	METAL FILM RESISTOR 1/6W 15
RC.RL.RR.RSL.RSR235	054 TMF16-1801	METAL FILM RESISTOR 1/6W 1.8K
RC.RL.RR.RSL.RSR236	054 TMF16-2001	METAL FILM RESISTOR 1/6W 2K
RC.RL.RR.RSL.RSR230	054 TMF16-2200	METAL FILM RESISTOR 1/6W 220
RC.RL.RR.RSL.RSR223,224	054 TMF16-2202	METAL FILM RESISTOR 1/6W 22K
RC.RL.RR.RSL245,RSR234	054 TMF16-2202	METAL FILM RESISTOR 1/6W 22K
R246	054 TMF16-3301	METAL FILM RESISTOR 1/6W 3.3K
RC.RL.RR.RSL.RSR202,213	054 TMF16-3302	METAL FILM RESISTOR 1/6W 33K
RC.RL.RR.RSL.RSR239-242	054 TMF16-39R0	METAL FILM RESISTOR 1/6W 39
RC.RR.RSR231,RL232	054 TMF16-3R30	METAL FILM RESISTOR 1/6W 3.3
RL.RSL231,RSL.RSR232	054 TMF16-3R30	METAL FILM RESISTOR 1/6W 3.3
RC232	054 TMF16-3R30	METAL FILM RESISTOR 1/6W 3.3
RR232	054 TMF16-3R30	METAL FILM RESISTOR 1/6W 3.3
RC.RL.RR.RSL.RSR227	054 TMF16-4300	METAL FILM RESISTOR 1/6W 430
RC.RR.RSL211	054 TMF16-4302	METAL FILM RESISTOR 1/6W 43K
RL.RSR211	054 TMF16-4302	METAL FILM RESISTOR 1/6W 43K
RC.RL.RR.RSL.RSR215,216,218-220	054 TMF16-5600	METAL FILM RESISTOR 1/6W 560
RC.RL.RR.RSL.RSR214,217	054 TMF16-5600	METAL FILM RESISTOR 1/6W 560
RC.RL.RR.RSR238	054 TMF16-6801	METAL FILM RESISTOR 1/6W 6.8K
RSL238	054 TMF16-6801	METAL FILM RESISTOR 1/6W 6.8K
R238	054 TMF16-6802	METAL FILM RESISTOR 1/6W 68K
RC.RL.RR.RSL.RSR208	054 TMF16-68R0	METAL FILM RESISTOR 1/6W 68
RC.RL.RR.RSL.RSR205,206	054 TMF16-7500	METAL FILM RESISTOR 1/6W 750
RC.RL.RR.RSL.RSR237	054 TMF16-9100	METAL FILM RESISTOR 1/6W 910
016 X-4002002700C, 016 X-4002002710C PCB ASSY (STANDBY, CAPACITOR)		
	501 X-4002002700-B	PCB ASSY
	501 X-4002002710-B	PCB ASSY
FIL901	021 2648701170	LINE FILTER
T901	022 2828000097	SUB TRANSFORMER
D901	034 1N4004	DIODE (1A 400V)
D551	034 KBPC2504W-F	POWER DIODE 25A 400V
F902	036 5ST250	FUSE 250VT250MA for 230V
F902	036 5ST315	FUSE 250VT315MA for 115V
F901	036 5ST4	FUSE 250VT4A for 230V
F901	036 S51-7A	FUSE 250V7A UL for 115V
C556-559	041 HC80V8200UF	ELECTROLYTIC CAPACITOR 80V8200uF
C551-555	043 TC500V103	CERAMIC CAPACITOR 500V0.01uF
C901	044 3549472109	AC CAPACITOR 400V0.0047uF
R901	054 MOF12-3M3	MOF RESISTOR 1/2W 3.3M (USA only)
RLY901	063 G5PA-1	RELAY DC 12V (G5PA-1)
F901,902	069 CNT47-0007	FUSE CLIP
016 E-1325B00 PCB ASSY (TUNER)		

Parts List 5/10

SYMBOL	PARTS NO.	DESCRIPTION
	501 E-1325B00-B	PCB ASSY
	JE540-0210586N-POB	ANT TERMINAL JACK SC0210586N
	PKSTF404-VA00001-0	FM FRONT-END KST-F404VA-1
T3,T4	LKS75E00-5P07668-2	B.P.F 01011-101
R27	JE21A-4XX3300J-AOR	CARBON FILM RESISTOR 1/4W 330
R42	JE21A-3XX0220J-AOS	CARBON FILM RESISTOR 1/8W 22
R66	JE21A-6XX0220J-AOR	CARBON FILM RESISTOR 1W 22
C28	JE313-K16G101J-ROS	CERAMIC CAPACITOR C1608 COG 1H 100pF
C8,10	JE313-K16G200J-ROS	CERAMIC CAPACITOR C1608 COG 1H 20pF
C12,35,36	JE313-K16G221J-ROS	CERAMIC CAPACITOR C1608 COG 1H 220pF
C26,34	JE313-K16G331J-ROS	CERAMIC CAPACITOR C1608 COG 1H 330pF
C37	JE313-K16G470J-ROS	CERAMIC CAPACITOR C1608 COG 1H 47pF
C41	JE313-K16G561J-ROS	CERAMIC CAPACITOR C1608 COG 1H 560pF
C38	JE313-K16G560J-ROS	CERAMIC CAPACITOR C1608 COG 1H 56pF
C27	JE313-K16G820J-ROS	CERAMIC CAPACITOR C1608 COG 1H 82pF
C7,13,14,17,18,19,20,21,22,23,29,31,33,39	JE313-G16X473K-ROS	CERAMIC CAPACITOR C1608 X7R 1C 0.047uF
C2,9	JE313-K16X103K-ROS	CERAMIC CAPACITOR C1608 X7R 1H 0.01uF
C1,3,4,5,32	JE313-K16X223K-ROS	CERAMIC CAPACITOR C1608 X7R 1H 0.022uF
C30	JE313-G16X393K-ROS	CERAMIC CAPACITOR C1608 X7R 1H 0.039uF
C6,16,24,25,40	JE313-K16X102K-ROS	CERAMIC CAPACITOR C1608 X7R 1H 1000pF
C44,45	JE313-K16X272K-ROS	CERAMIC CAPACITOR C1608 X7R 1H 2700pF
C42,43	JE313-K16X822K-ROS	CERAMIC CAPACITOR C1608 X7R 1H 8200pF
CF01	JE41I-A7MA5AXX-BOC	CERAMIC FILTER L10.7MA5A
CF02	JE41I-A7MS3AAA-BOC	CERAMIC FILTER L10.7MS3A-10A
CF04	JE41I-456F11XX-BOC	CERAMIC FILTER ZTB456F11
J04,J05,J06	JE24S-1160000X-ROS	CHIP RESISTOR R1608 0R
R43	JE24S-1161501J-ROS	CHIP RESISTOR R1608 1.5K
R40,54,57	JE24S-1161801J-ROS	CHIP RESISTOR R1608 1.8K
R12,17	JE24S-1161000J-ROS	CHIP RESISTOR R1608 100
R13	JE24S-1161003J-ROS	CHIP RESISTOR R1608 100K
R10,24,25,26,34,39,48,68	JE24S-1161002J-ROS	CHIP RESISTOR R1608 10K
R1,30,49	JE24S-1161502J-ROS	CHIP RESISTOR R1608 15K
R18,20,21,22,23,46	JE24S-1161001J-ROS	CHIP RESISTOR R1608 1K
R19,58	JE24S-1162201J-ROS	CHIP RESISTOR R1608 2.2K
R41	JE24S-1162701J-ROS	CHIP RESISTOR R1608 2.7K
R11,35,44	JE24S-1160220J-ROS	CHIP RESISTOR R1608 22
R2	JE24S-1162200J-ROS	CHIP RESISTOR R1608 220
R52,53,55,56	JE24S-1162203J-ROS	CHIP RESISTOR R1608 220K
R3,33,62,64	JE24S-1162202J-ROS	CHIP RESISTOR R1608 22K
R7,38,60	JE24S-1163301J-ROS	CHIP RESISTOR R1608 3.3K
R9	JE24S-1163300J-ROS	CHIP RESISTOR R1608 330
R59	JE24S-1163902J-ROS	CHIP RESISTOR R1608 39K
R14,61,63	JE24S-1164701J-ROS	CHIP RESISTOR R1608 4.7K
R8	JE24S-1164700J-ROS	CHIP RESISTOR R1608 470
R28,29,45	JE24S-1164702J-ROS	CHIP RESISTOR R1608 47K
R16,47	JE24S-1165601J-ROS	CHIP RESISTOR R1608 5.6K
R5,6	JE24S-1165600J-ROS	CHIP RESISTOR R1608 560
R50	JE24S-1168202J-ROS	CHIP RESISTOR R1608 82K
J01,J08,J09,J10	JE24S-3320000X-ROS	CHIP RESISTOR R3216 0R
R51	JE24S-3324700J-ROS	CHIP RESISTOR R3216 470
R37	JE24S-3320680J-ROS	CHIP RESISTOR R3216 68
Q1	JE13S-C3142J4X-ROS	CHIP TR 2SC3142-J4
Q8	JE13S-C2814F4X-ROS	CHIP TRANSISTOR 2SC 2814-F4
Q9,Q10	JE13S-KRC231SX-ROE	CHIP TRANSISTOR 2SC 2814-F4
Q6,Q7	JE13S-DTA114EK-ROR	CHIP TRANSISTOR DTA114EKA
Q5	JE13S-C143TKAX-ROR	CHIP TRANSISTOR DTC143TKA(NPN)
CP100	068 B5B-PH-KS	CONNECTOR POST
CP101	068 B9B-PH-KS	CONNECTOR POST
X-TAL2	JE43S-43320327-BOS	CRYSTAL 4.332MHz(2pF)/49S
X-TAL1	JE43U-72000312-BOS	CRYSTAL 7.2MHz(12pF)/49U
D1,2,3,4,7	JE14I-1N4148XX-AOR	DIODE 1N4148
D6	JE14I-MTZJ3R32-AOR	DIODE ZENER MTZ 3.3V
D5	JE14I-MTZJ5R12-AOR	DIODE ZENER MTZ 5.1V
EC05,17,18,19,20,21,22	JE32R-G5BA100M-BOL	ELECTROLYTIC CAPACITOR 16V10uF
EC02,04,06,10,12	JE32R-G5BA470M-BOL	ELECTROLYTIC CAPACITOR 16V47uF

Parts List 6/10

SYMBOL	PARTS NO.	DESCRIPTION
EC01,03,09,23	JE32R-J5BA2R2M-BOL	ELECTROLYTIC CAPACITOR 35V2.2uF
EC08	JE32R-J5BA3R3M-BOL	ELECTROLYTIC CAPACITOR 35V3.3uF
EC13	JE32R-K5BAR22M-BOL	ELECTROLYTIC CAPACITOR 50V0.22uF
EC07,11,14,15,16	JE32R-K5BA010M-BOL	ELECTROLYTIC CAPACITOR 50V1uF
FD1	LKSZ7310-X000266-1	FM DET COIL FD1 (266)
FD2	LKSZ7310-X000267-0	FM DET COIL FD2 (267)
IC04	JE11S-BU1924FX-ROR	IC BU1924F (RDS)
IC01	JE11I-LA1266XX-SOS	IC LA1266 (FM-IF, AM-RF)
IC03	JE11I-LA3401XX-SOS	IC LA3401 (FM-MPX)
IC02	JE11I-LC72131X-SOS	IC LC72131(PLL)
IF BLOCK	LKSNT111-I000000-0	IF COIL BLOCK KSNT-111I
L1	LCH6700B-637601D-0	INDUCTOR COIL 637-601D(20.8mH)
R36	JE22A-3XX2502F-AOS	METAL FILM RESISTOR 1/8W 25K
RF BLOCK	LKSNT203-M000001-0	RF COIL BLOCK KSNT-203M-1
SVR1	JE27I-0001002P-BOY	SVR EVN D8A A03 B14 (10K)
SVR3	JE27I-0001003P-BMA	SVR EVN D8A A03 B15 (100K)
SVR2	JE27I-0005002P-BMA	SVR EVN D8A A03 B54 (50K)
016 X-1331B00 PCB ASSY (S-VIDEO B'D)		
	501 X-1331B00-B	PCB ASSY
LD601	021 LAL02TB100M	INDUCTOR 10uH
LD602	021 LAL02TB101M	INDUCTOR 100uH
ICD601	031 KS5520-1	I C (SCREEN DISPLAY)
IC601,IC602	031 TC9163AF	I C (SWITCH)
IC603,604	031 TSH94ID	IC (QUAD OPEAMP)
Q608,610	032 KTA107M	TRANSISTOR
Q602,603,QD601	032 KTA1271	TRANSISTOR
Q609	032 KTC107M	TRANSISTOR
Q601,604,607,611	032 KTC3203	TRANSISTOR
D601,602	034 T1N4148-86	DIODE 1N4148TAP-50
ZD601	034 TRD5.1JST1	ZENER DIODE 5.1V
C601,602,605,606,613-620,	041 TUTES1A101-TF	ELECTROLYTIC CAPACITOR 10V100uF
C625-631,CD601,602,616	041 TUTES1A101-TF	ELECTROLYTIC CAPACITOR 10V100uF
C621-624	041 TUTES1A471-TF	ELECTROLYTIC CAPACITOR 10V470uF
C609-612	041 TUTES1E470-TF	ELECTROLYTIC CAPACITOR 25V47uF
CD603,608	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
C600	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CD607	041 TUTES1H2R2-TF	ELECTROLYTIC CAPACITOR 50V2.2uF
CD609	041 TUTES1HR47-TF	ELECTROLYTIC CAPACITOR 50V0.47uF
CD614,615	043 TC50VCH330	CERAMIC CAPACITOR 33pF
CD604,605	043 TC50VCH560	CERAMIC CAPACITOR 56pF
CD610	047 ECJ2VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
CD602,613	047 ECJ2VB1H223K	CERAMIC CAPACITOR CHIP 0.022uF
C603,604,607,608	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CD606,CD611	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
RD610	055 ERJ6GEYJ100V	RESISTOR CHIP 10
R641-648,RD614	055 ERJ6GEYJ101V	RESISTOR CHIP 100
R657-672,675,RD602-604	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
R649-656,RD618	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
RD606	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RD613	055 ERJ6GEYJ105V	RESISTOR CHIP 1M
RD611	055 ERJ6GEYJ122V	RESISTOR CHIP 1.2K
RD619	055 ERJ6GEYJ123V	RESISTOR CHIP 12K
RD617	055 ERJ6GEYJ181V	RESISTOR CHIP 180
RD605	055 ERJ6GEYJ204V	RESISTOR CHIP 200K
R621-624	055 ERJ6GEYJ221V	RESISTOR CHIP 220
R629,630	055 ERJ6GEYJ222V	RESISTOR CHIP 2.2K
RD609	055 ERJ6GEYJ223V	RESISTOR CHIP 22K
RD601	055 ERJ6GEYJ2R2V	RESISTOR CHIP 2.2
RD612	055 ERJ6GEYJ392V	RESISTOR CHIP 3.9K
R600,631-635,RD615,616	055 ERJ6GEYJ470V	RESISTOR CHIP 47
R676,RD608	055 ERJ6GEYJ472V	RESISTOR CHIP 4.7K
RD607	055 ERJ6GEYJ512V	RESISTOR CHIP 5.1K
R627,628	055 ERJ6GEYJ563V	RESISTOR CHIP 56K
R617,618,636	055 ERJ6GEYJ680V	RESISTOR CHIP 68

Parts List 7/10

SYMBOL	PARTS NO.	DESCRIPTION
R625,626	055 ERJ6GEYJ682V	RESISTOR CHIP 6.8K
R601-616	055 ERJ6GEYJ750V	RESISTOR CHIP 75
016 E-1332C00 PCB ASSY (DIGITAL-1)		
	501 E-1332C00-D	PCB ASSY
T501,T502,T503,T504	2888000010	TRANS PULSE FP-110
XT502	023 12.288MHz	CRYSTAL 12.288MHz
XT501	023 24.576MHz	CRYSTAL 24.576MHz
IC519	031 32PIN-DIP-SOCKET	IC SOCKET (DIP)
IC513	031 32PIN-PLCC	IC SOCKET (PLCC)
IC513	031 39VF040	IC EPROM 39VF040 (V1.2) / (V2.0)
IC505,508	031 74HC157	IC
IC515	031 74HCT125	IC
IC516	031 74VHC244M	IC
IC511,512	031 74VHC574M	IC
IC510	031 AK4114	IC (DIR)
IC525-528	031 AK4324	IC (DAC)
IC524	031 AK5351	IC (ADC)
IC506	031 AME1117BCGT	IC (REGULATOR 2.5V)
IC507	031 AME1117CCGT	IC (REGULATOR 3.3V)
IC520	031 AT24C16PC2.7	IC (EEPROM)
IC514	031 CS493263-CL	IC (DSP) G-VERSION
IC519	031 EN29F002NT-X55	IC (FLASH MEMORY)
IC521	031 HIN232CB	IC (RS232)
IC518	031 IS62C256	IC (MEMORY)
IC522,523,529-533	031 NJM5532M	IC (DUAL OPAMP)
IC534	031 NJU7311AM	IC (ANALOG SWITCH)
IC517	031 TMP95C063F	IC (CPU)
IC502,503	031 TORX179	IC (OPTO RECIEVER)
IC504	031 TOTX179	IC (OPTO TRANSMITTER)
Q501,Q502,Q503,Q504	032 KRC107S	TRANSISTOR CHIP KRC107S
D504,D505	034 KDS184RTK	DIODE CHIP KDS184RTK
D502,D503,501	034 KDS226RTK	DIODE CHIP KDS226RTK
C566-569	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
C511,514,521-524,542,543,546,570,578	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
C597-612	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CAL/R501,502,505,506	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CFL/R504,CSL/R504,CBL/R504,CCT504,CSW504	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
C564	041 TUTES1H3R3-TF	ELECTROLYTIC CAPACITOR 50V3.3uF
C565	041 TUTES1HR22-TF	ELECTROLYTIC CAPACITOR 50V0.22uF
C547	041 TUTES1HR47-TF	ELECTROLYTIC CAPACITOR 50V0.47uF
C525,526,579,580	041 UTES1A101-FB	ELECTROLYTIC CAPACITOR 10V100uF
C615	041 UTES1A471-FB	ELECTROLYTIC CAPACITOR 10V470uF
C537,538,581-584,589-592,613,614	041 UTES1E470-FB	ELECTROLYTIC CAPACITOR 25V47uF
C539	041 UTES1H2R2-FB	ELECTROLYTIC CAPACITOR 50V2.2uF
C627-634	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
C541	047 ECJ2VG1H103K	CERAMIC CAPACITOR CHIP 0.01uF
CSW502,503	047 ECJ2VG1H103K	CERAMIC CAPACITOR CHIP 0.01uF
C501,515,516,527,530,531,549,550	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C502,503,529,552,574,616-618,620-626	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C504,506,508,510,512,513,517-520,528	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C532-536,544,545,548,551,555-560,563	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C561,562,571	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C572,573,575-577,585-588,593-596	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CAL/R503	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CBL/R502,503,CCT502,503	047 ECJ2VG1H121J	CERAMIC CAPACITOR CHIP 120pF
CFL/R502,503,CSL/R502,503	047 ECJ2VG1H121J	CERAMIC CAPACITOR CHIP 120pF
C515	047 ECJ2VG1H221J	CERAMIC CAPACITOR CHIP 220pF
CAL/R504	047 ECJ2VG1H222K	CERAMIC CAPACITOR CHIP 0.0022uF
C553,554,619	047 ECJ2VG1H270J	CERAMIC CAPACITOR CHIP 27pF
CFL/R501,CSL/R501,CBL/R501,CCT501,CSW501	047 ECJ2VG1H331J	CERAMIC CAPACITOR CHIP 330pF
C540	047 ECJ2VG1H471J	CERAMIC CAPACITOR CHIP 470pF
CFL/R505,CCT505	047 ECJ2VG1H473K	CERAMIC CAPACITOR CHIP 0.047uF
JMP5,JMP7	055 ERJ6GEYJ000V	RESISTOR CHIP 0R
R588,JMP1,JMP2,JMP4,R560	055 ERJ6GEYJ000V	RESISTOR CHIP 0R

Parts List 8/10

SYMBOL	PARTS NO.	DESCRIPTION
R516,578	055 ERJ6GEYJ100V	RESISTOR CHIP 10
R519,535,536,568-570	055 ERJ6GEYJ100V	RESISTOR CHIP 10
R514,575,576	055 ERJ6GEYJ101V	RESISTOR CHIP 100
R529,530,579	055 ERJ6GEYJ101V	RESISTOR CHIP 100
R557,RAL/R513,RBL/R508,RCT508	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
R596,597,598	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RFL/R508,RSL/R508,RSW508	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
R503,533,549-556,563-566,RAL/R501	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
R571,RAL/R502,RAL/R504	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
RAL/R510,511	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RFL/R507,RSL/R507,RBL/R507,RCT507,RSW507	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
R562	055 ERJ6GEYJ105V	RESISTOR CHIP 1M
R503,507,512	055 ERJ6GEYJ181V	RESISTOR CHIP 180
R532	055 ERJ6GEYJ183V	RESISTOR CHIP 18K
R584,586,588,590,594,595	055 ERJ6GEYJ221V	RESISTOR CHIP 220
R585,587,589,591-593	055 ERJ6GEYJ221V	RESISTOR CHIP 220
RAL/R508,509	055 ERJ6GEYJ331V	RESISTOR CHIP 330
RAL/R505	055 ERJ6GEYJ332V	RESISTOR CHIP 3.3K
R541	055 ERJ6GEYJ333V	RESISTOR CHIP 33K
R517,518	055 ERJ6GEYJ471V	RESISTOR CHIP 470
R520-525,540,542-545,547,548,567,RAL/R506	055 ERJ6GEYJ472V	RESISTOR CHIP 4.7K
R538,539,546,573,RAL/R507	055 ERJ6GEYJ472V	RESISTOR CHIP 4.7K
RAL/R503	055 ERJ6GEYJ473V	RESISTOR CHIP 47K
R580-583	055 ERJ6GEYJ561V	RESISTOR CHIP 560
RBL/R501-505,RCT501-505,RSW501-505	055 ERJ6GEYJ562V	RESISTOR CHIP 5.6K
RFL/R501-505,RSL/R501-505	055 ERJ6GEYJ562V	RESISTOR CHIP 5.6K
R501,506,511,513	055 ERJ6GEYJ750V	RESISTOR CHIP 75
R505,510,515	055 ERJ6GEYJ750V	RESISTOR CHIP 75
RFL/R506,RSL/R506,RBL/R506,RCT506,RSW506	055 ERJ6GEYJ912V	RESISTOR CHIP 9.1K
RCA501,503	066 RCA 4P	JACK RCA4P(BK)
RCA502	066 RCA 6P	JACK RCA6P(WHT/RED)
JK501	066 SY010-8P/K	JACK RJ-45
CN103	436303252124	CONNECTOR W/WIRE 3P 250mm
CN101	436309182124	CONNECTOR W/WIRE 9P 180mm
CP901	4428502486	CONNECTOR POST 2PZ
016 X-1333C00 PCB ASSY (DIGITAL2 B'D)		
	501 X-1333C00-B	PCB ASSY
RLY701	5528001020	RELAY G5A-237P
IC701,702,703,704,705,	031 NJM5532M	IC (DUAL OPEAMP)
IC710,711,712,714,716	031 NJM5532M	IC (DUAL OPEAMP)
IC717	031 NJU7311AM	IC (SWITCH)
IC709,713	031 TC9184P	IC (TONE)
IC706,707,708,715	031 TC9459F	IC (VOLUME)
QC701,QSW701	032 KRA107S	TRANSISTOR
QF701,QS701,QSS701,	032 KRA107S	TRANSISTOR
QC703,QSW702,703,QF702,	032 KRC231S	TRANSISTOR
QF703,705,QS702,QSS702	032 KRC231S	TRANSISTOR
QFL701,QFR701,QSL701,QSL702,	032 KRC231S	TRANSISTOR
QSR701,702,QC702,QSW702	032 KRC231S	TRANSISTOR
DF702	034 KDS184RTK	DIODE CHIP KDS184RTK
DS701,DSS701	034 KDS184RTK	DIODE CHIP KDS184RTK
DSW701,DF701,DC701,	034 KDS184RTK	DIODE CHIP KDS184RTK
C701,702,CF701,702,703,	041 UTES1E470-TF	ELECTROLYTIC CAPACITOR 25V47uF
CCW701,702,703,704,705,	041 UTES1E470-TF	ELECTROLYTIC CAPACITOR 25V47uF
CCW707,709,710,CSW719,	041 UTES1E470-TF	ELECTROLYTIC CAPACITOR 25V47uF
CF704,705,707,709,710,712,	041 UTES1E470-TF	ELECTROLYTIC CAPACITOR 25V47uF
CF713,CS701,702,703,704,	041 UTES1E470-TF	ELECTROLYTIC CAPACITOR 25V47uF
CS705,706,708,709,710,711,	041 UTES1E470-TF	ELECTROLYTIC CAPACITOR 25V47uF
CSW720,CM701,702	041 UTES1E470-TF	ELECTROLYTIC CAPACITOR 25V47uF
CFL709,CFR709,CC708	041 UTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
CC709,CSW701,704,705,708,	041 UTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CFL701,702,705,706,710,	041 UTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CFR701,702,705,706,710,	041 UTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CML701,704,CMR701,704	041 UTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF

Parts List 9/10

SYMBOL	PARTS NO.	DESCRIPTION
CSL701,704,705,708,709,	041 UTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CSL712,713,716,CSR701,	041 UTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CSR704,705,708,709,712,	041 UTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CSR713,716,CC701,704,705,	041 UTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CSW709,712,713,714,717,	041 UTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CFL713,CFR713,CC712	042 TP50V123J	MYLAR CAPACITOR 0.012uF
CFL715,CFR715,CC714	042 TP50V223J	MYLAR CAPACITOR 0.022uF
CFL714,CFR714,CC713	042 TP50V272J	MYLAR CAPACITOR 0.0027uF
CFL711,CFR711,CC710	042 TP50V563J	MYLAR CAPACITOR 0.056uF
CFL712,CFR712,CC711	042 TP50V682J	MYLAR CAPACITOR 0.0068uF
CC702,703,706,CSW703,	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CFL703,704,707,CFR703,	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CFR704,707,CSL702,703,	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CML702,CMR702	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CMR703	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CSL706,707,710,711,714,	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CSL715,CSR702,703,706,	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CSR707,710,711,714,715,	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CSW715,716,CML703,	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CF706,708,CCW702,706,708,	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CF711,CS707,714,CC715,	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CSW718	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CSW707	047 ECJ2VG1H222K	CERAMIC CAPACITOR CHIP 0.0022uF
CFL708,CFR708,CC707	047 ECJ2VG1H270J	CERAMIC CAPACITOR CHIP 27pF
CSW706,710	047 ECJ2VG1H563K	CERAMIC CAPACITOR CHIP 0.056uF
CSW711	047 ECJ2VG1H822K	CERAMIC CAPACITOR CHIP 0.0082uF
J701,J702	055 ERJ6GEYJ000V	RESISTOR CHIP 0R
RFL701,RFR701	055 ERJ6GEYJ000V	RESISTOR CHIP 0R
RC707,RSW711,718,	055 ERJ6GEYJ101V	RESISTOR CHIP 100
RFL707,708,RFR707,708,	055 ERJ6GEYJ101V	RESISTOR CHIP 100
RML701,RMR701	055 ERJ6GEYJ101V	RESISTOR CHIP 100
RSL707,719,RSR707,719,	055 ERJ6GEYJ101V	RESISTOR CHIP 100
R703,704,705,RFL702,719,	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RCW706,707,712,713,714,	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RF703,704,705,710,711,712,	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RF717,RS703,704,705,712,	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RFL716,RFR716,RCW705,	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RFR702,719,RSL701,712,	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RS715,716,717,724,RC715,	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RSL713,724,RSR701,712,	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RSR713,724,RC701,RSW706,	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RSW701	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RSW723	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RC703,RSW703,RML703,	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
RMR703	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
RSL703,709,715,721,	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
RSR703,709,715,721,	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
RSW714	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
RC717,720,721,RSW702,704,	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RFL703,706,709,718,	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RFR703,706,709,718,	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RML704,RMR702,704	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RS711,722,723	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RSL702,705,708,711,714,	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RSL717,720,723,RSR702,	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RSR705,708,711,714,717,	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RSR720,723,RC702,705,708,	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RSW707,712,716,RML702,	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RSW710,715,719,722,724,	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RSW725,RF715,716,RS710,	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RSL710,722,RSR710,722	055 ERJ6GEYJ182V	RESISTOR CHIP 1.8K
RSW720	055 ERJ6GEYJ183V	RESISTOR CHIP 18K
RF718,719,RC722,RSW726,	055 ERJ6GEYJ202V	RESISTOR CHIP 2K
R701,702,RF701,702,706,	055 ERJ6GEYJ221V	RESISTOR CHIP 220
RCW703,704,708,709,710,	055 ERJ6GEYJ221V	RESISTOR CHIP 220

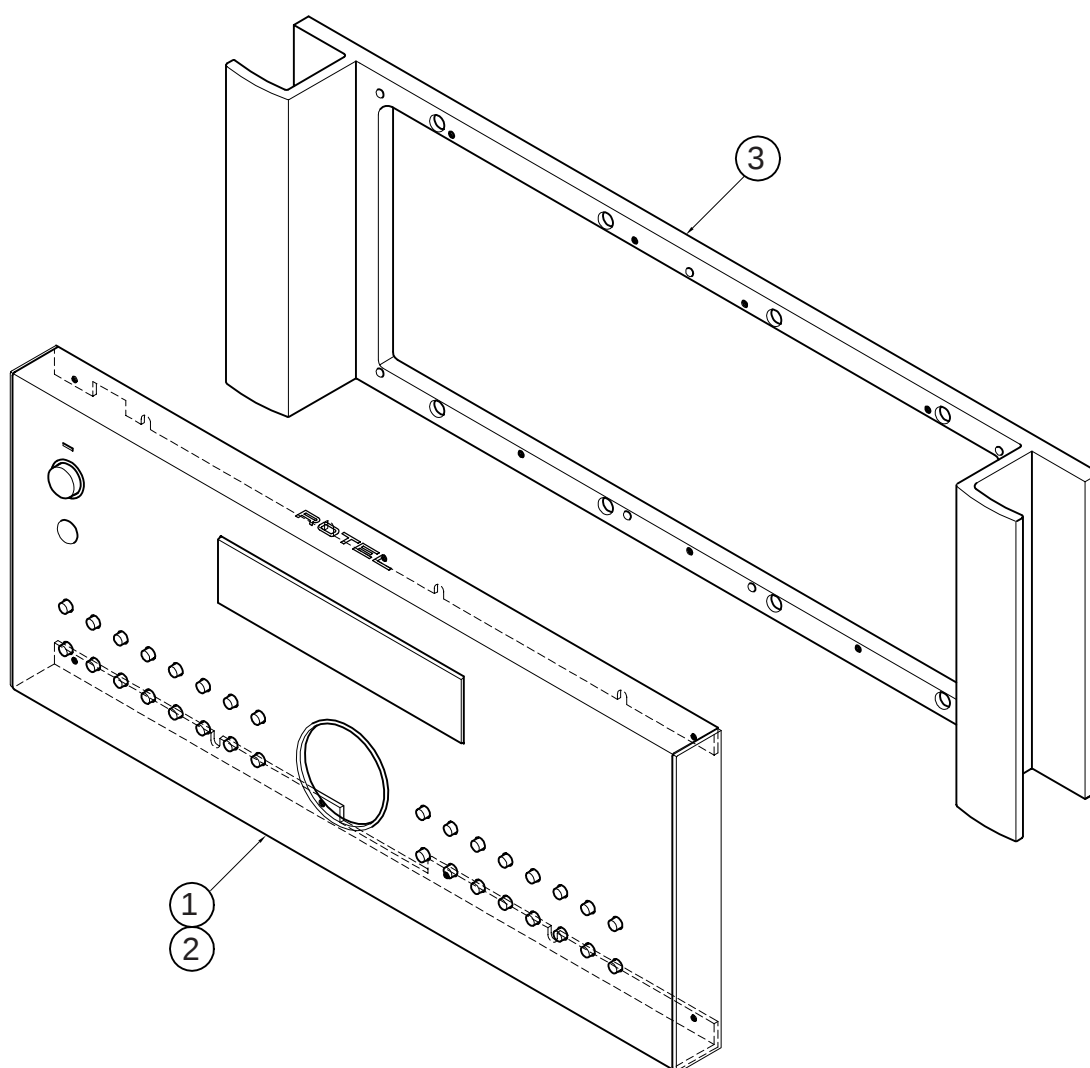
Parts List 10/10

SYMBOL	PARTS NO.	DESCRIPTION
RCW711,RSW727,728, RF707,708,709,713,714, RM701,702,RCW701,702, RS701,702,706,707,708,709, RS713,714,718,719,720,721, RC718 RFL714,RFR714,RC713 RSW709 RFL712,RFR712,RC711 RC704,716 RFL704,RFR704 RFL705,717,RFR705,717, RSL704,716,RSR704,716, RFL710,RFR710,RC709 RFL715,RFR715,RC714 RFL713,RFR713,RC712 RSW713 RF720,721,722,723 RSW721 RFL711,RFR711,RC710 RSW708 CN201	055 ERJ6GEYJ221V 055 ERJ6GEYJ221V 055 ERJ6GEYJ221V 055 ERJ6GEYJ221V 055 ERJ6GEYJ221V 055 ERJ6GEYJ222V 055 ERJ6GEYJ273V 055 ERJ6GEYJ392V 055 ERJ6GEYJ393V 055 ERJ6GEYJ472V 055 ERJ6GEYJ472V 055 ERJ6GEYJ472V 055 ERJ6GEYJ472V 055 ERJ6GEYJ474V 055 ERJ6GEYJ562V 055 ERJ6GEYJ564V 055 ERJ6GEYJ682V 055 ERJ6GEYJ821V 055 ERJ6GEYJ821V 055 ERJ6GEYJ823V 055 ERJ6GEYJ912V 436310357724	RESISTOR CHIP 220 RESISTOR CHIP 220 RESISTOR CHIP 220 RESISTOR CHIP 220 RESISTOR CHIP 220 RESISTOR CHIP 2.2K RESISTOR CHIP 27K RESISTOR CHIP 3.9K RESISTOR CHIP 39K RESISTOR CHIP 4.7K RESISTOR CHIP 4.7K RESISTOR CHIP 4.7K RESISTOR CHIP 4.7K RESISTOR CHIP 470K RESISTOR CHIP 5.6K RESISTOR CHIP 560K RESISTOR CHIP 6.8K RESISTOR CHIP 820 RESISTOR CHIP 820 RESISTOR CHIP 82K RESISTOR CHIP 9.1K CONNECTOR W/WIRE 10P 350mm
OTHERS		
	011 FP-551C-B 011 FP-551C-S 011 UF3-01B00 012 C-4711A03 012 C-4711A03S 012 RV4-09A00 012 RV4-09A01 012 TB3-18A00 012 TB3-18A01 014 UF3-06A00 019 4TSH-19#2 019 C-4714A00 019 C-4714A01 022 2828000107 034 SEL1124R 034 SEL1E24W 069 C-4629A01 072 C-4621A01 072 C-4622A01 072 C-4623A01 072 C-4624A01 072 C-4786A00 081 UF3-09A00 081 UF3-10A00 081 Z-208 092 RR-1050 082 OMRSX-1055	BLACK PANEL ASSY SILVER PANEL ASSY H/S PANEL H150 KNOB 43Φ NO MARK (BLACK) KNOB 43Φ NO MARK (SILVER) PUSH BUTTON 14Φ (BLACK) PUSH BUTTON 14Φ (SILVER) TACT BUTTON 16 KEY (BLACK) TACT BUTTON 16 KEY (SILVER) UPPER COVER PLASTIC FOOT 50Φ POWER KNOB RING 14Φ (BLACK) POWER KNOB RING 14Φ (SILVER) MAIN POWER TRANSFORMER LED (RED) SEL1124R 1X5 LED (BLU) SEL1E24W 1X5 AC 2P INLET 6102.3100 (WIRING) AC CORD SET SJT AWG16/2C for USA AC CORD SET for AUSTRALIA AC CORD SET for U.K AC CORD SET for EUROPE COMPUTER I/O CABLE (UPGRADE CABLE) INSIDE CARTON SHIPPING CARTON STYROL MOULDING REMOTE CONTROL UNIT OWNER'S MANUAL

Addendum List for Black and Silver

RSX1055

SYMBOL	PARTS	DESCRIPTION
①	011 FP-551C-B	BLACK PANEL ASSY
②	011 FP-551C-S	SILVER PANEL ASSY
③	011 TH3-01B00	H/S PANEL H109
	012 C-4711A03	KNOB 43F NO MARK (BLK)
	012 C-4711A03S	KNOB 43F NO MARK (SLV)
	012 RV4-09A00	PUSH BUTTON 14F (BLK)
	012 RV4-09A01	PUSH BUTTON 14F (SLV)
	012 TB3-18A00	TACT BUTTON 16 KEY (BLK)
	012 TB3-18A01	TACT BUTTON 16 KEY (SLV)
	034 SEL1124R	LED (RED) 1X5
	034 SEL1E24W	LED (BLU) 1X5



Tuner Adjustment Method

FM Section

* Necessary measurement equipment

RDS/STEREO Multiplexer, FM/AM Signal Generator, Audio Analyzer, Oscilloscope, Digital Volt Meter (DVM)

(A) Center adjust

RDS/STEREO Multiplexer Setting

- MODE : **MONO** - Audio Frequency : **1KHz**

FM Signal Generator Setting

- Deviation : **75KHz** - Radio Frequency : **98.1MHz** - Output Level : **66dB**

RSX1055 Setting

- FM Frequency : **97.9MHz** - FM MODE : **MONO**

1. Turn FM Signal Generator Modulation on
2. Connect DVM (+)(-) terminals to the each lead of the resistor R36 and measure the volt.
3. If measured voltage is not adjusted within $\pm 10\text{mV}$, Make this measured volt '**0**' by adjusting **FD1** (FM-DET-A Coil).
: The adjustment should be within $\pm 10\text{mV}$
4. After this adjustment, measure **THD**(Total Harmonic Distortion) with Audio Signal Generator
5. Adjust THD to minimum point with **FD2**(FM-DET-B Coil). : THD should be within **0.5%**

(B) Channel Separation adjust

RDS/STEREO Multiplexer Setting

- MODE : **STEREO (ONLY L-CH Signal OUT)** - Audio Frequency : **1KHz**

FM Signal Generator Setting

- Deviation : **75KHz** - Radio Frequency : **98.1MHz** - Output Level : **66dB**

RSX1055 Setting

- FM Frequency : **97.9MHz** - FM MODE : **STEREO**

1. Turn FM Signal Generator Modulation on after **modulating only L-CH (or only R-CH)** at STEREO Multiplexer.
2. Confirm if '**STEREO**' indicator is **turned 'ON'** on the display
3. Measure output level via Audio Signal Analyzer and make the level as standard.
4. Turn FM Signal Generator Modulation on after **modulating only R-CH (or only L-CH)** at STEREO Multiplexer.
5. Measure output level via Audio Signal Analyzer (measure per a dB)
6. If measured output level is not lower than -40dB, Adjust output level to minimum position with **SVR3** (CH-SEPA. ADJ.).
: lower than **-40dB**

(C) TUNED Level adjust

RDS/STEREO Multiplexer Setting

- MODE : **STEREO** - Audio Frequency : **1KHz**

FM Signal Generator Setting

- Deviation : **75KHz** - Radio Frequency : **97.9MHz** - Output Level : **26dB**

RSX1055 Setting

- FM Frequency : **97.9MHz** - FM MODE : **STEREO**

1. Turn FM Signal Generator Modulation 'ON' (confirm if output level is **26dB**)
2. Change the output level of the Generator from 20dB to 30dB
and Confirm if 'STEREO' & 'TUNED' indicator of the DISPLAY turns on at 26db(± 5 dB)
3. If these indicators do not turn on at higher than 26dB(± 5 dB) or do not turn off at lower than 26(± 5 dB) ,
Adjust **SVR2 (FM-ADJ)** up to the moment where 'STEREO' & 'TUNED' indicator turns **OFF & ON** at 26dB.
4. Confirm if 'STEREO' & 'TUNED' turns OFF when decreasing the output level slowly from 26dB to 25dB, 24dB ~~~.
(Repeat the above 3. if not OFF in lower than 24dB.)
5. Push RSX-1055's TUNE UP or DOWN button "**long**" at Signal Generator Output Level 26dB and **start Auto search**.
Confirm if search **stops** at FM Frequency 97.9MHz.
(Examine both of High Freq. -> 97.9MHz search , Low Freq. -> 97.9MHz search)
6. (Optimal Setting of Center frequency) : Shift the Generator frequency $\pm 50\text{kHz}$ and adjust the **TRIMMER C11** to keep the tuning center point.

AM Section

* Necessary measurement equipment :

AM Signal Generator, Audio Signal Analyzer, Dummy Load, Oscilloscope, Digital Volt Meter (DVM)

(A) VT adjust

AM Signal Generator Setting

1. Adjust AM Frequency of RSX-1055 to **522KHz. (or 520KHz)**
2. Connect (-) terminal of DVM with GND (or chassis) and connect (+) terminal with Jumper **JW14** (VT CHECK) and measure voltage. (**Low Freq. VT**)
3. IF not 1.1V~1.3V, Adjust VT to 1.2V with **RF BLOCK RED COIL** (AM-OSC Coil).

* In case of **USA version**, AM freq. range is **520KHz ~ 1710KHz**. So, adjust as below.
at 520KHz, VT = 1.2V (Low Freq. VT)

(B) Output Level adjust

AM Signal Generator Setting

- Modulation : **30%**
- Audio Frequency : **400Hz**
- Radio Frequency : **603KHz (or 600KHz)**
- Output Level : **100dB**

RSX-1055 Setting

- AM Frequency : **603KHz (or 600KHz)**

1. Turn AM Signal Generator Modulation ON
2. Adjust RSX-1055 AM Freq. to **603KHz (or 600KHz)** and measure output level with Audio Signal analyzer.
3. If it is lower than 200mV , Adjust output level to maximum point with **RF BLOCK BLACK COIL** (AM-ANT).
(**recommand higher than 250mV**)
4. Set Generator' RF & RSX1055's RF to 999kHz(or 1000kHz) and measure output level with Audio Signal analyzer.
Adjust output level to maximum point with **IF BLOCK YELLOW COIL**

(C) TUNED Level adjust

AM Signal Generator Setting

- Modulation : **30%**
- Audio Frequency : **400Hz**
- Radio Frequency : **999KHz (or 1000KHz)**
- Output Level : **84dB**

RSX-1055 Setting

- AM Frequency : **999KHz (or 1000KHz)**

1. Turn AM Signal Generator Modulation ON (Make sure if Output level is **84dB**)
2. If 'TUNED' indicator does not turn on at higher than 80~86dB(Generator output),
Adjust **SVR01** (AM-ADJ) up to the moment where 'TUNED' indicator turns OFF & ON again
3. Confirm if 'TUNED' turns OFF when decreasing the output level of AM Signal Generator slowly from 84dB to 80dB.
4. Push RSX-1055 **TUNE UP or DOWN** button "**long**" at AM Signal Generator Output Level 84dB and **start AUTO search**.
Confirm if search **stops** at AM Frequency 999KHz (or 1000KHz).
< Check with both of High Freq. -> 999KHz(or 1000KHz) search , Low Freq. -> 999KHz(or 1000KHz) search >

Conversion Method of the Destination

< STANDBY B'D VERSION OPTION>

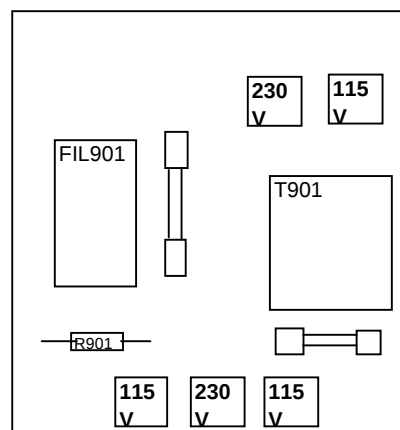
FOR 01 VERSION (USA)

- INSERT FOLLOWING PARTS
- 115V JUMPER 3POINT(435502042147)
- F901 FUSE (7A/250V)
- F902 FUSE (315mA/250V)

FOR 24 VERSION (EUROPE)

- INSERT FOLLOWING PARTS
- 230V JUMPER 2POINT (435502042147)
- F901 FUSE (T4A/250V)
- F902 FUSE (T250mA/250V)

016 X-4002002700 PCB



Procedure of RSX-1055 software upgrade

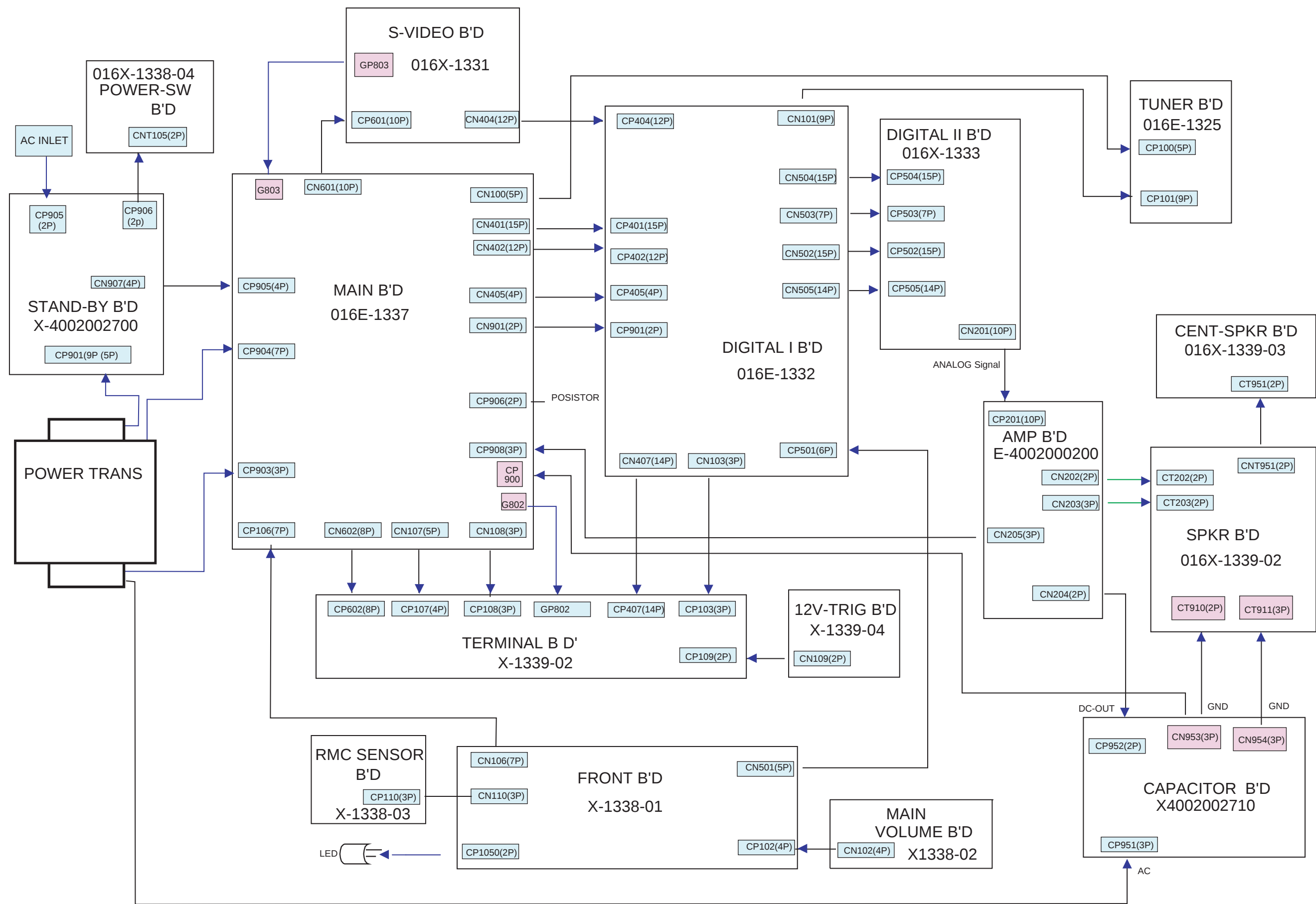
*Note : This procedure is made by translation of Windows 98 version. So some of menu or option name may not be matched with some versions of Windows 98.

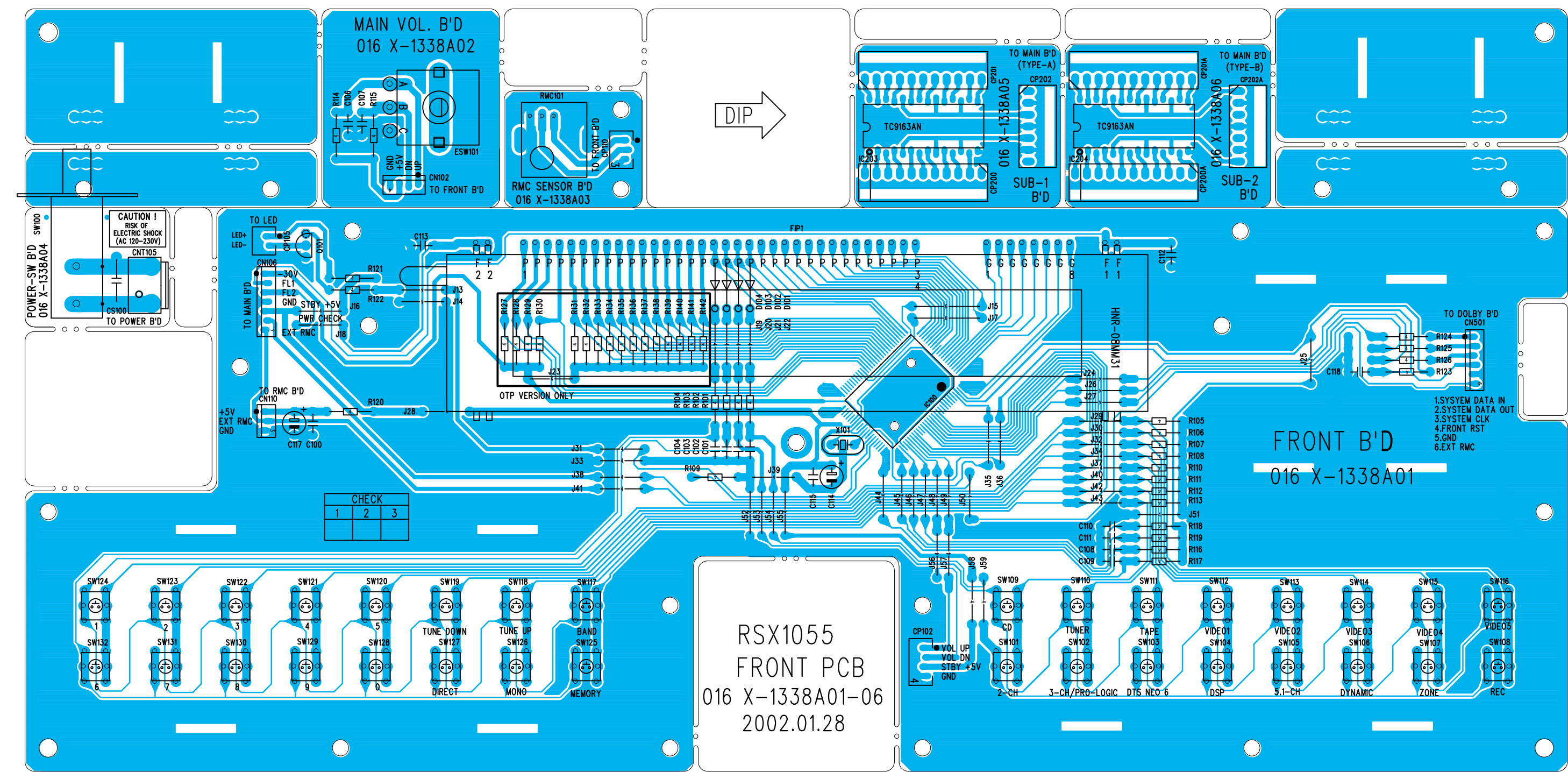
First of all, User should have the new software file (ROTEL supply) before proceeding the software up-grade process.

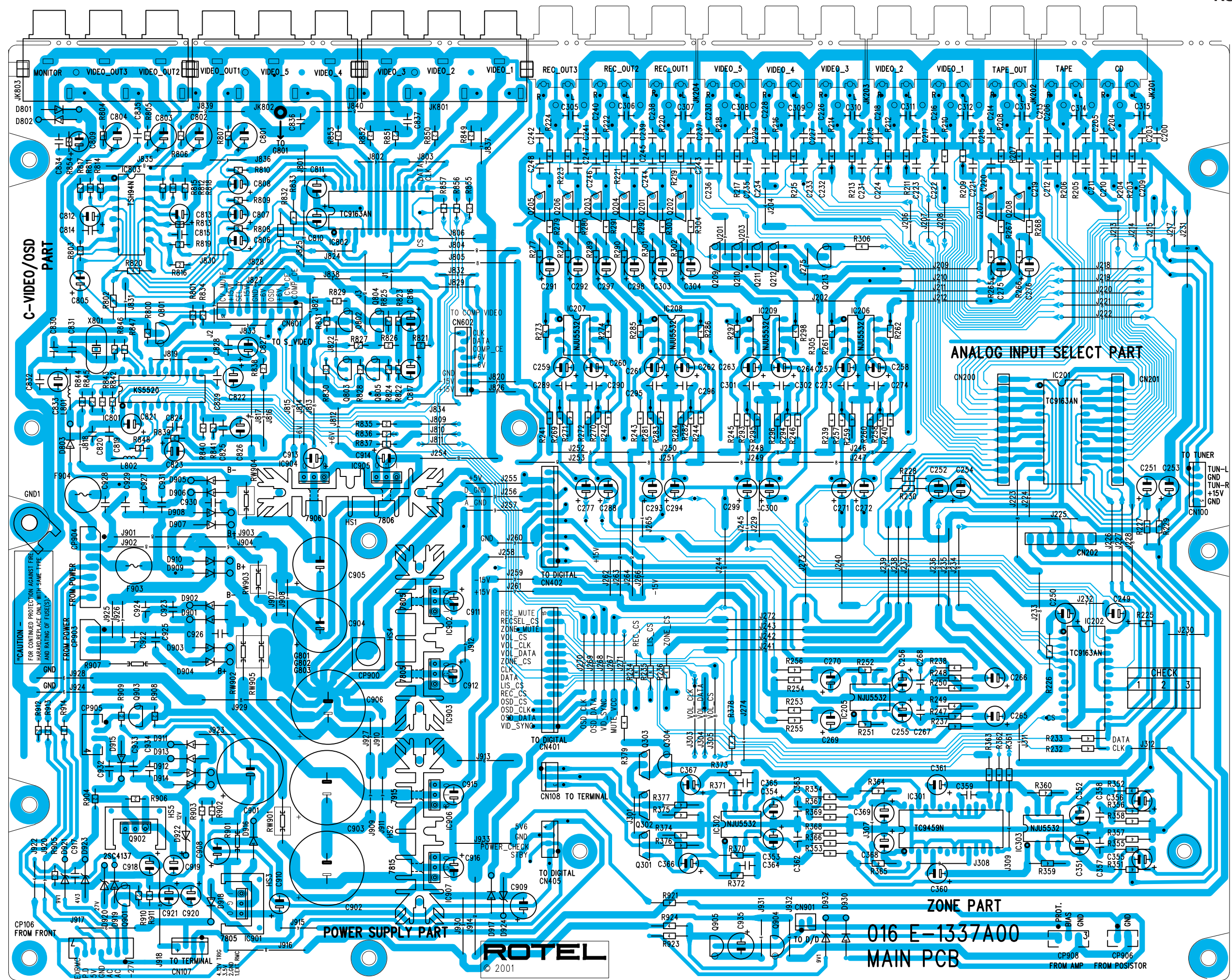
1. Power RSX-1055 off.
2. Remove all of connections between RSX-1055 and other equipments.
3. Connect RSX-1055 and PC with RJ45/DB9 cable. RJ45 jack should be connected to COMOUTER I/O port in RSX-1055 rear panel. DB9 jack will be connected to PC serial port (ex. COM1 or COM2,,).
4. Switch down the SOFTWARE UPGRADABLE key to ON in RSX-1055 rear panel.
5. Open HyperTerminal program in Windows 98 (Program / Supplement Program / Communication / HyperTerminal)
6. Input name and select icon to use for connection in connection explanation dialogue box and click O.K.
7. Connection object dialogue box appears. Select modem(N) to use for connection. For example, if DB9 cable is connected to COM1 serial port of PC, select COM1.
8. Selected serial port registration dialogue box appears. Select value or option per item as follows.
 - *Bit per second (B) : 19200
 - *Data Bit (D) : 8
 - *Parity (P) : None
 - *Stop Bit (S) : 1
 - *Flow Control (F) : None
 - *And click O.K.
9. Click File (F) and click Property (R) in file menu of HyperTerminal.
10. Select setup.
11. In set up dialogue box, select options per item as follows.
 - *Function Key : Terminal Key(T)
 - *Backspace function: Ctr+H(C)
 - *Emulation: VT100
 - *Telnet Terminal: VT100
 - *Back scroll buffer line : 500
 - *And click ASCII Setup (A)
 - *Select (A) & (W) at ASCII receiving section, Click O.K
 - *Click O.K
12. Power RSX-1055 on and then options message appears in HyperTerminal screen. In the message, select number 1. Erase of current software begins.
13. When erasing finishes, download file message appears. Select Text file sending (T) in Transmission menu (T) of HyperTerminal and text file sending dialogue box appears.
14. Change the finding file format from (*.TXT) to (*.*) format, and find the new software which is for up-date.(*. Bin) format.
15. Double-click new software file. The extension of software file name is bin (ex. xxx.bin). Then software upgrade begins.
16. When the upgrade finishes, check message appears. In the message, compare received data checksum with rom checksum. If they are same, the upgrade is done correctly.
17. Power RSX-1055 off and switch up the SOFTWARE UPGRADABLE key to Off in the rear panel.
18. Disconnect the cable between PC and the RSX-1055
19. Power RSX-1055 on and set the default setting on the OSD screen menu with connecting a TV monitor. And confirm if the software version is upgraded.

Wiring Diagram

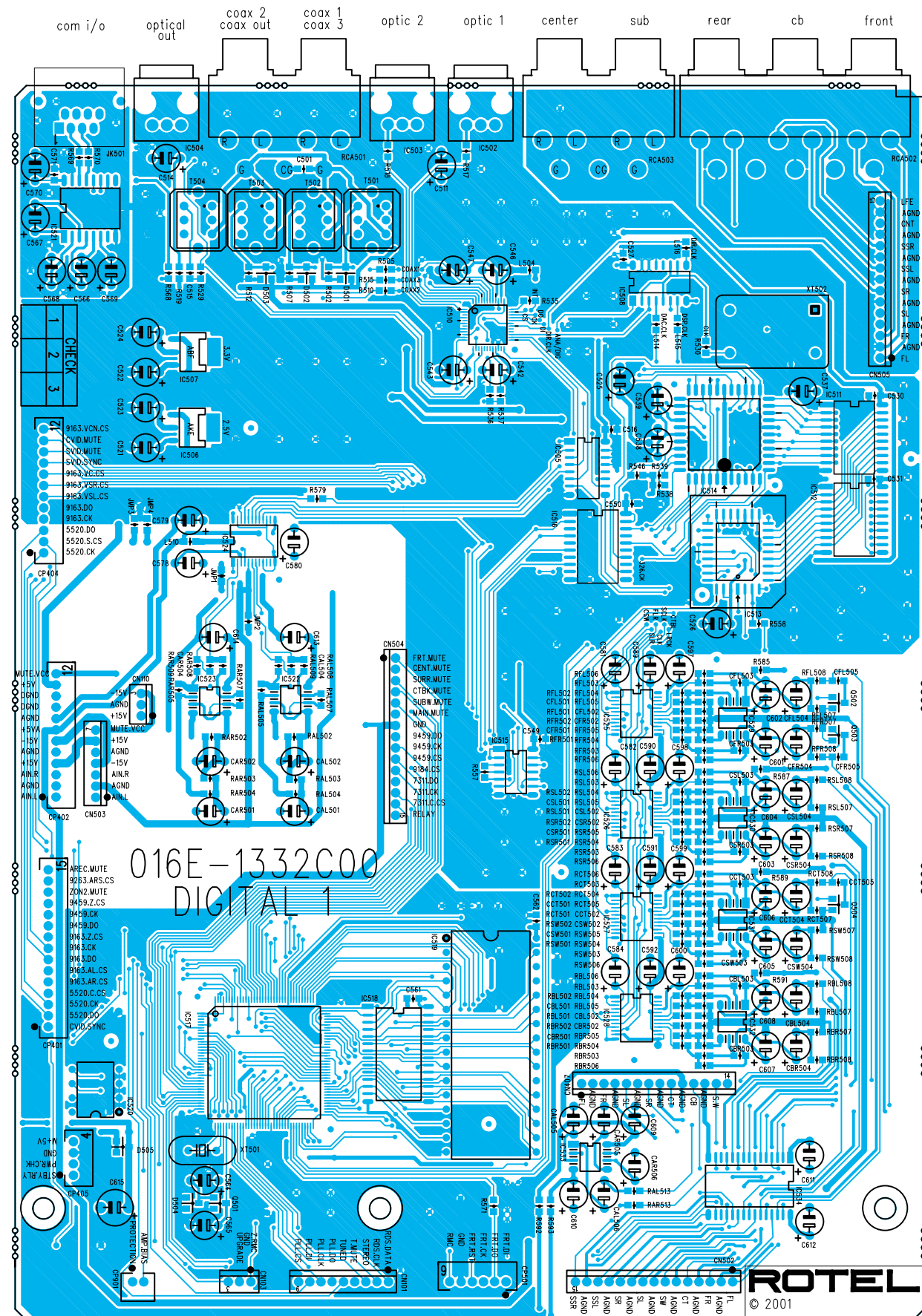
RSX-1055



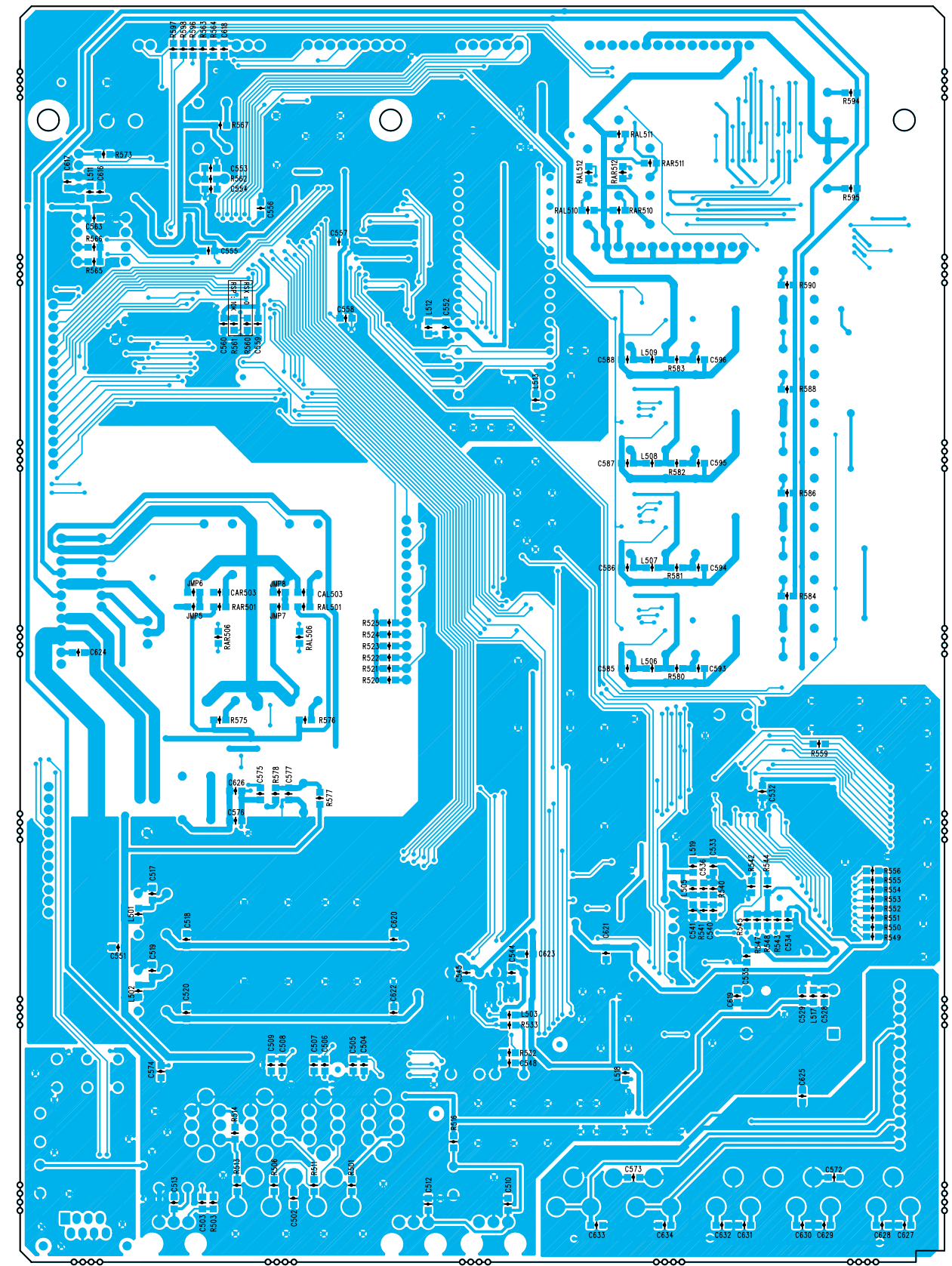




Top Side View

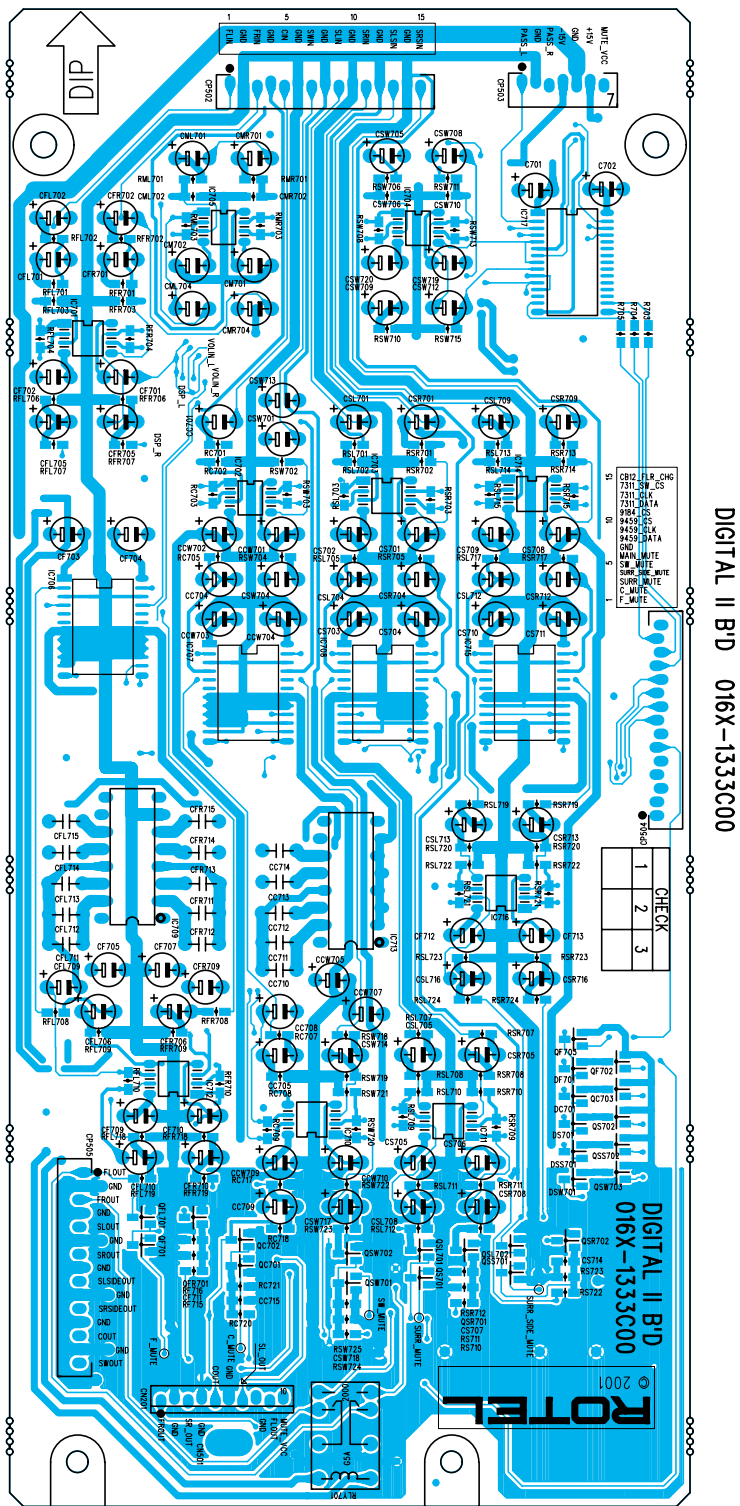


Bottom Side View

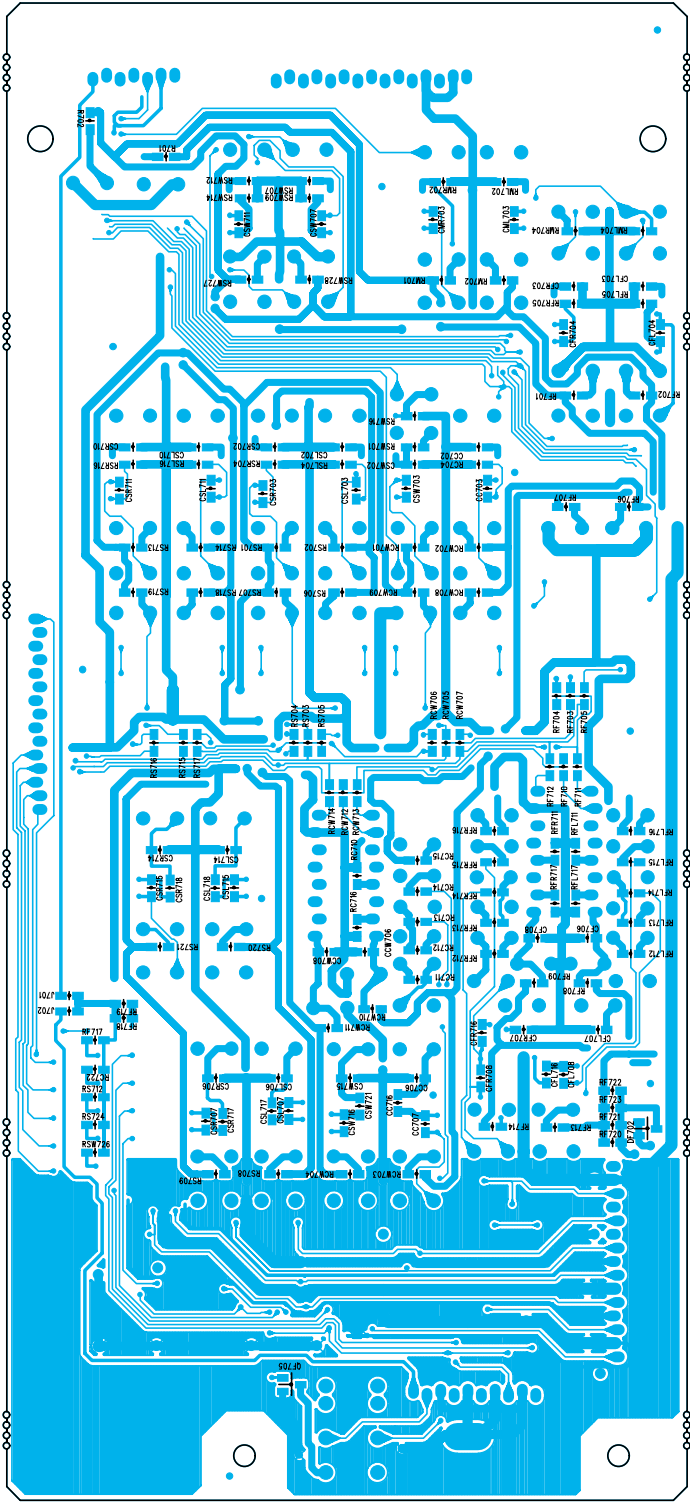


DIGITAL 2 PCB 016E-1333C00

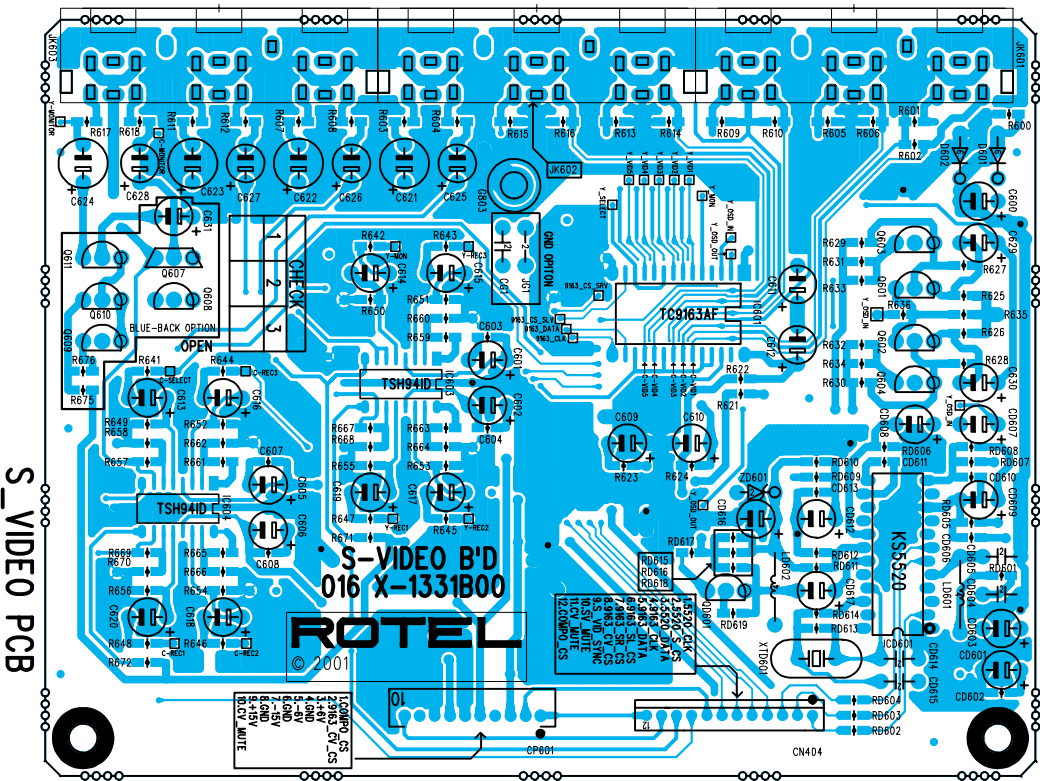
Top Side View



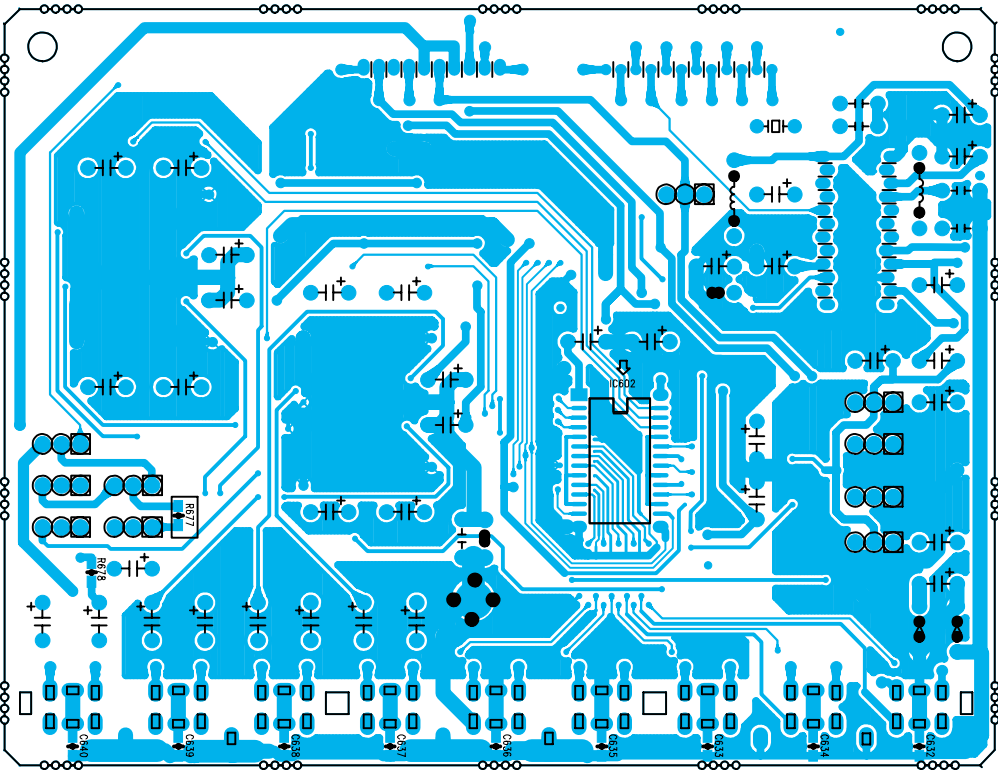
Bottom Side View



S-Video PCB 016 X-1331B00
Top Side View

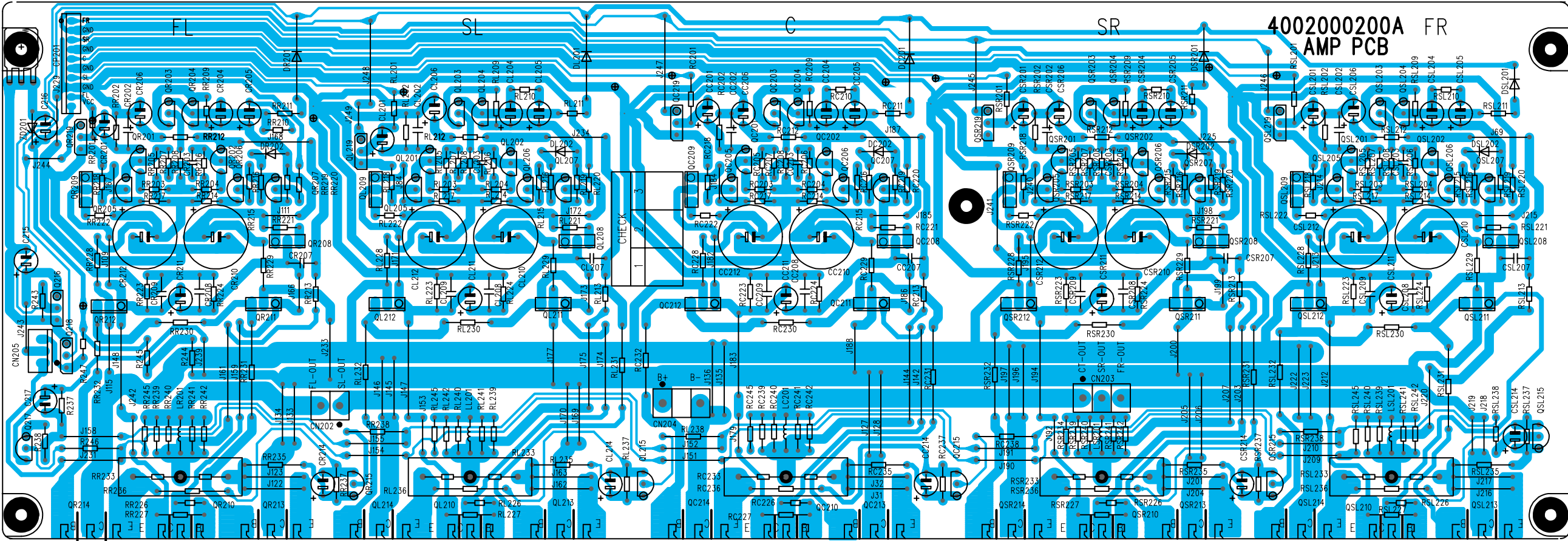


Bottom Side View

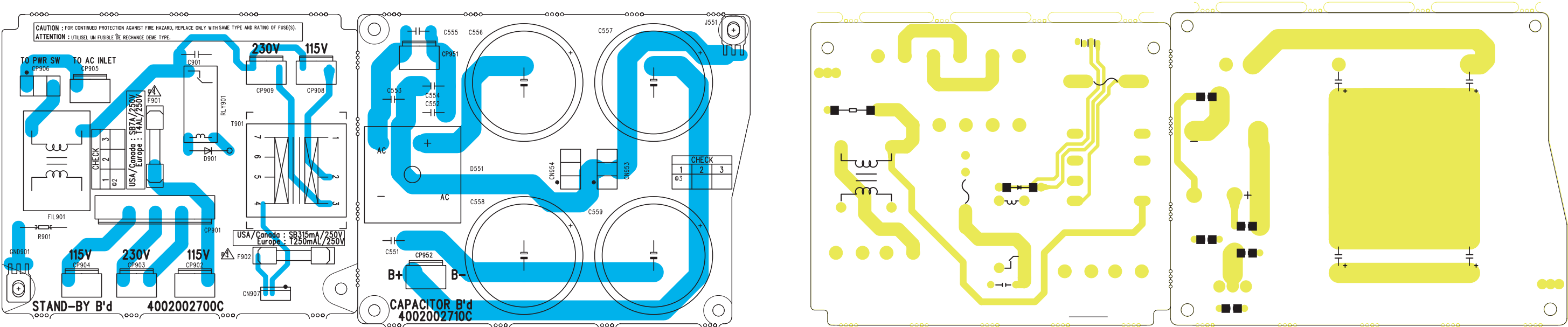


PCB Assembly - 7

POWER AMP PCB 4002000200A



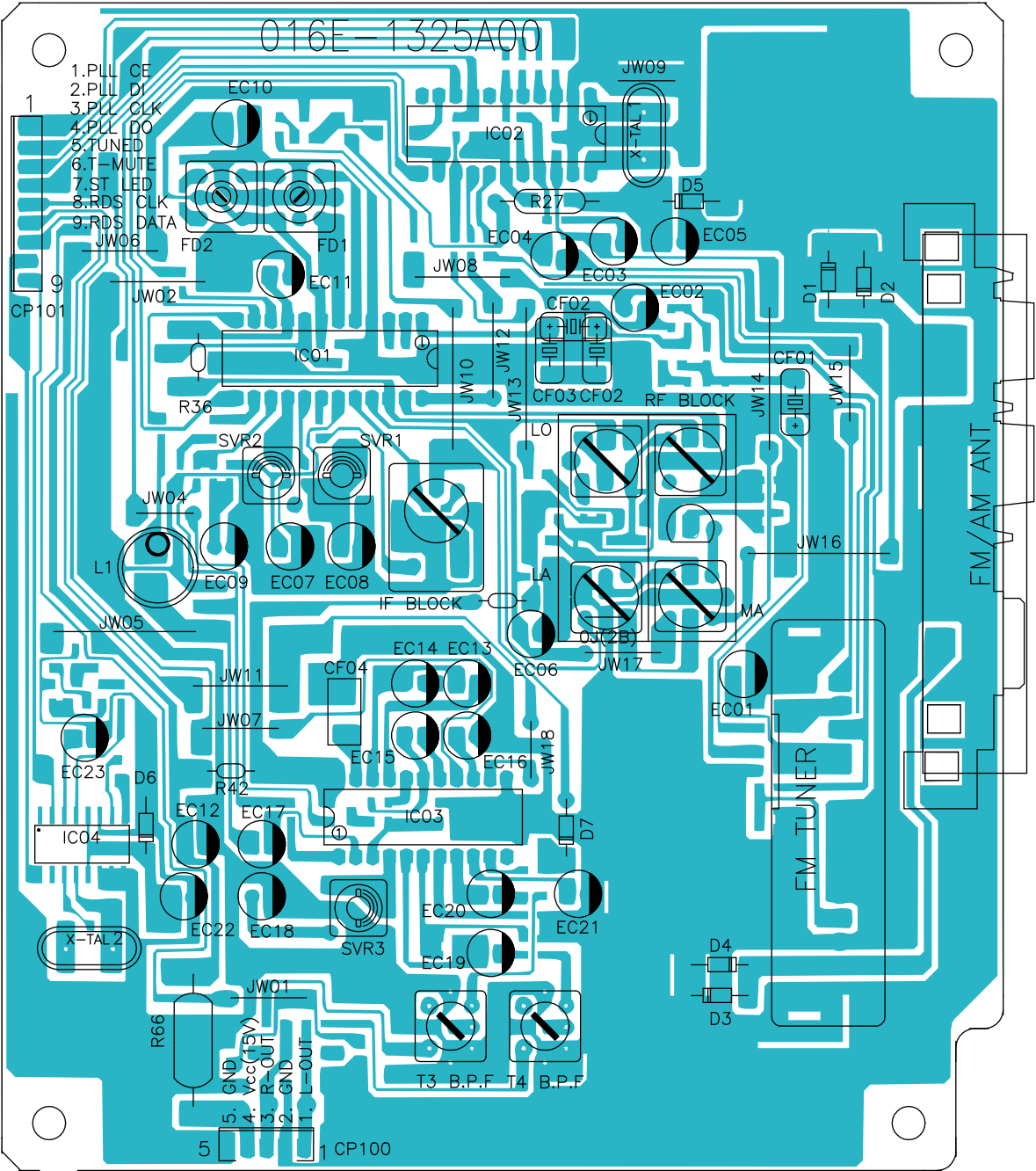
STANDBY PCB 4002002700C-B CAPACITOR PCB 4002002710C-B



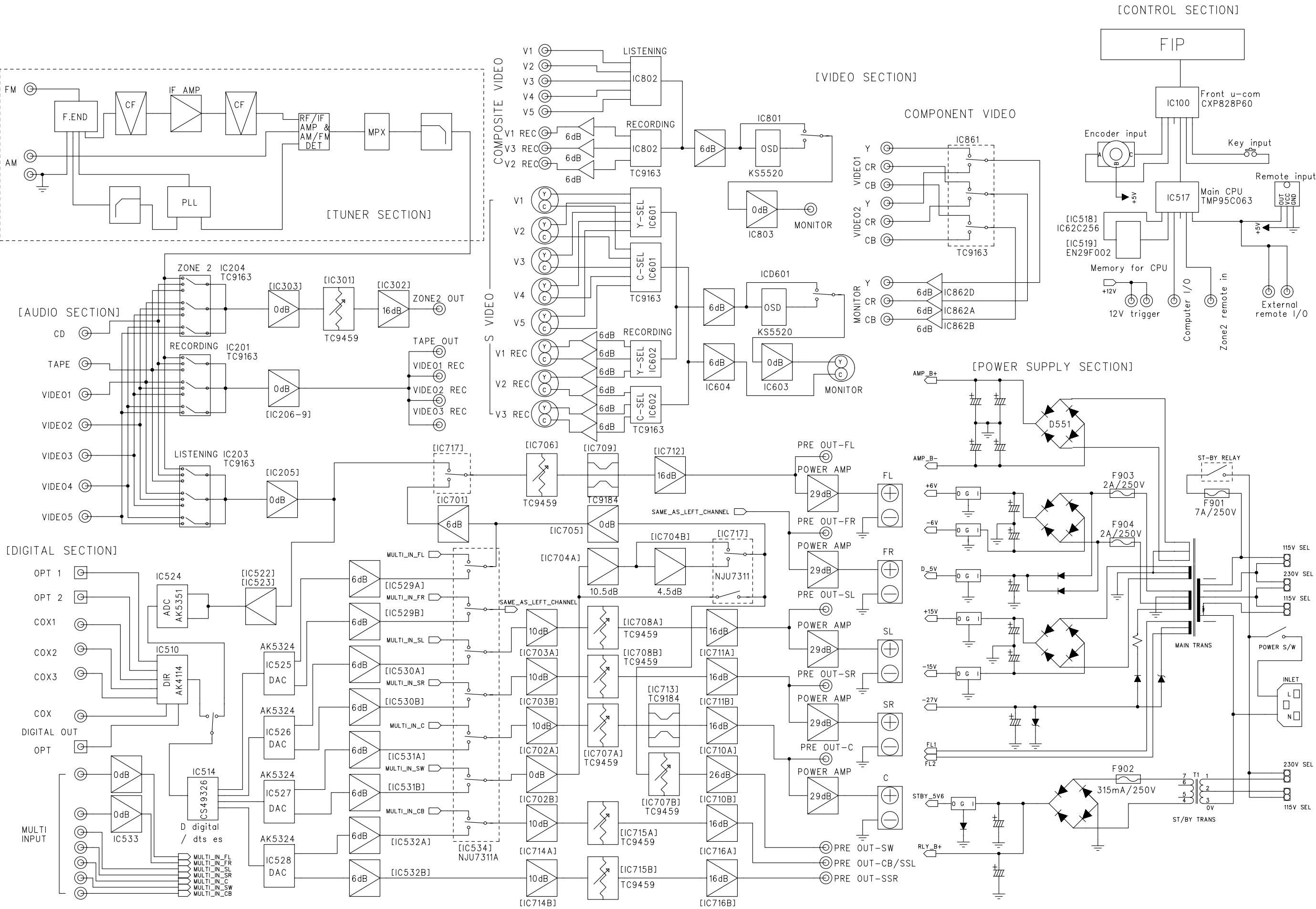
TOP VIEW

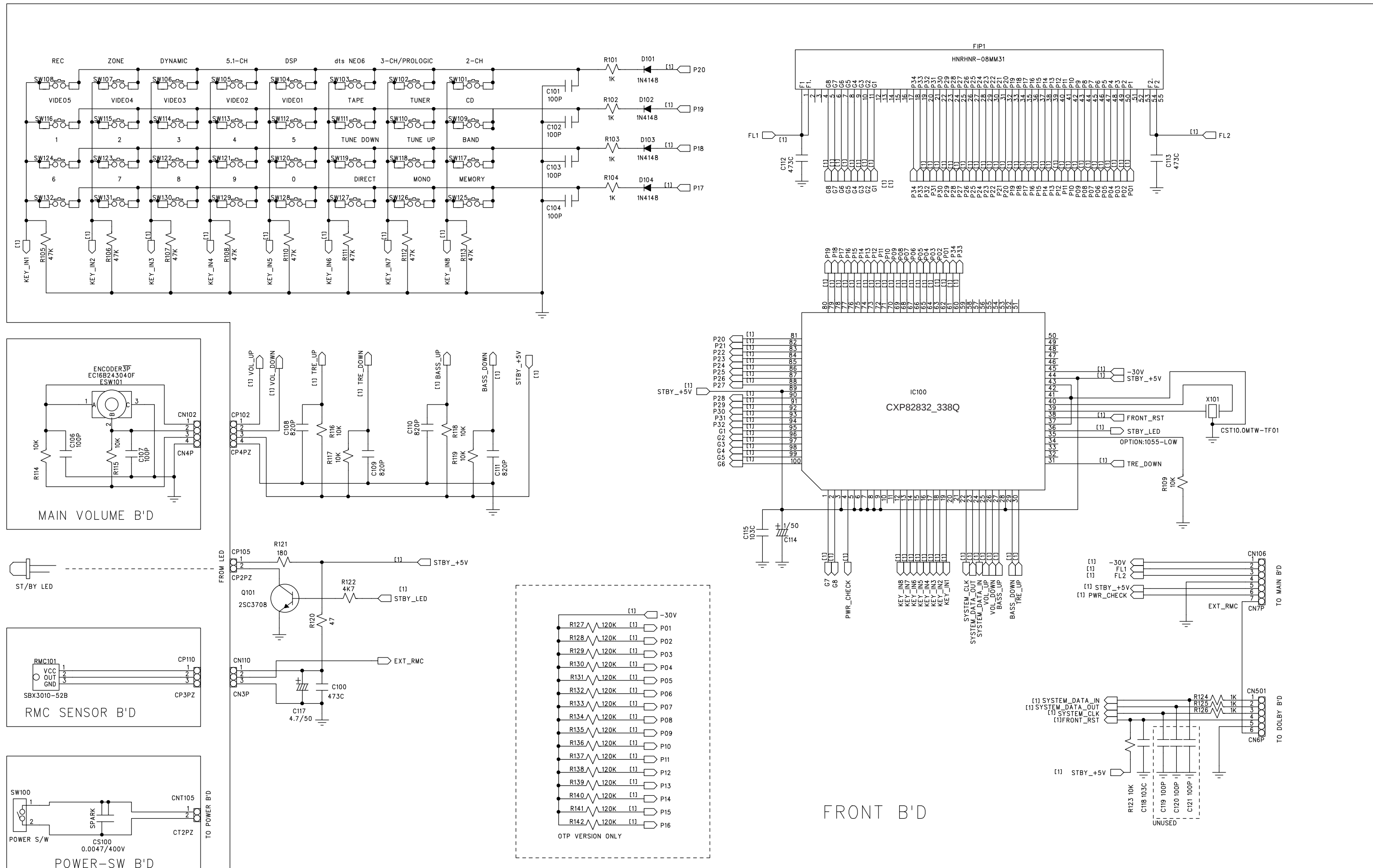
BOTTOM VIEW

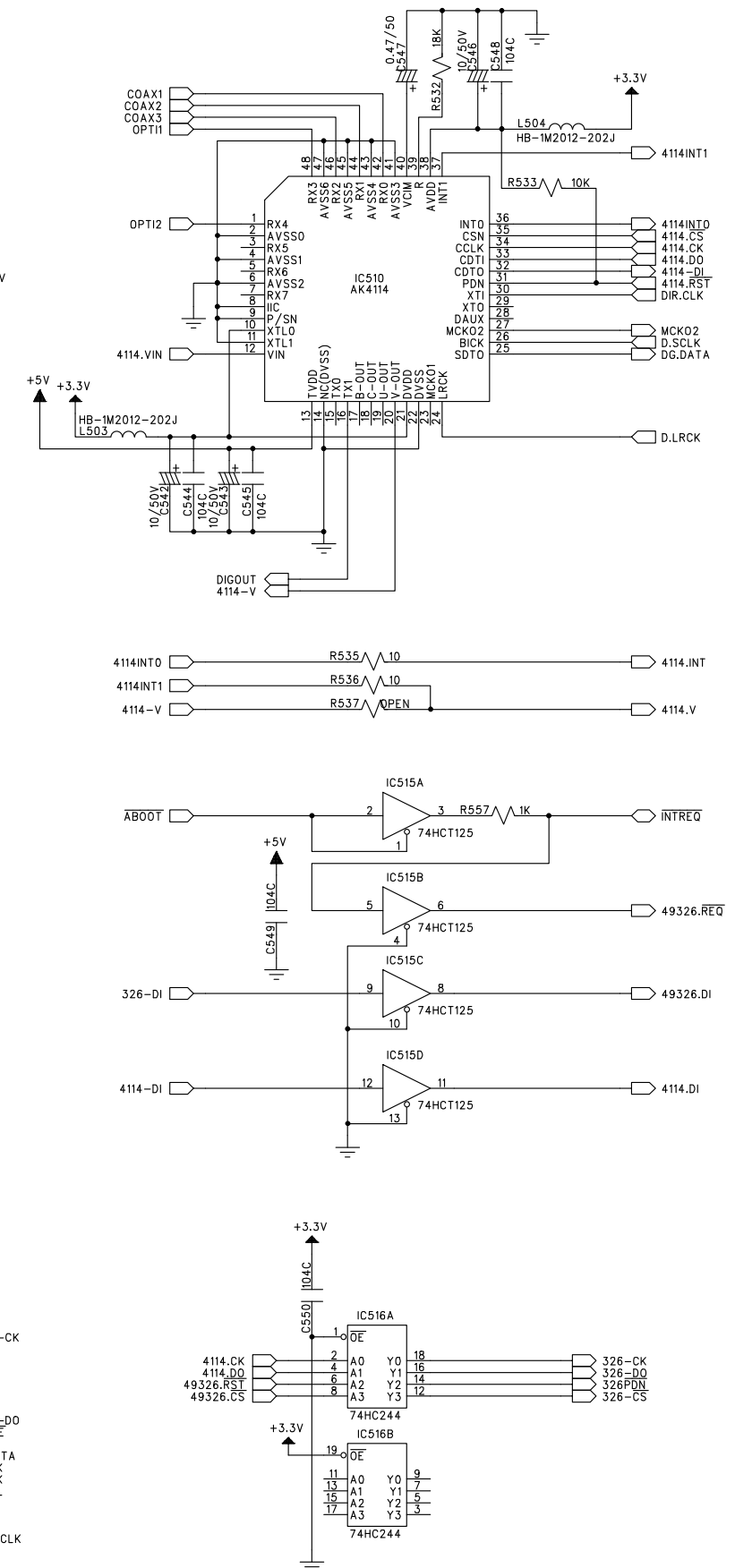
Tuner PCB 016 E-1325 Top Side View

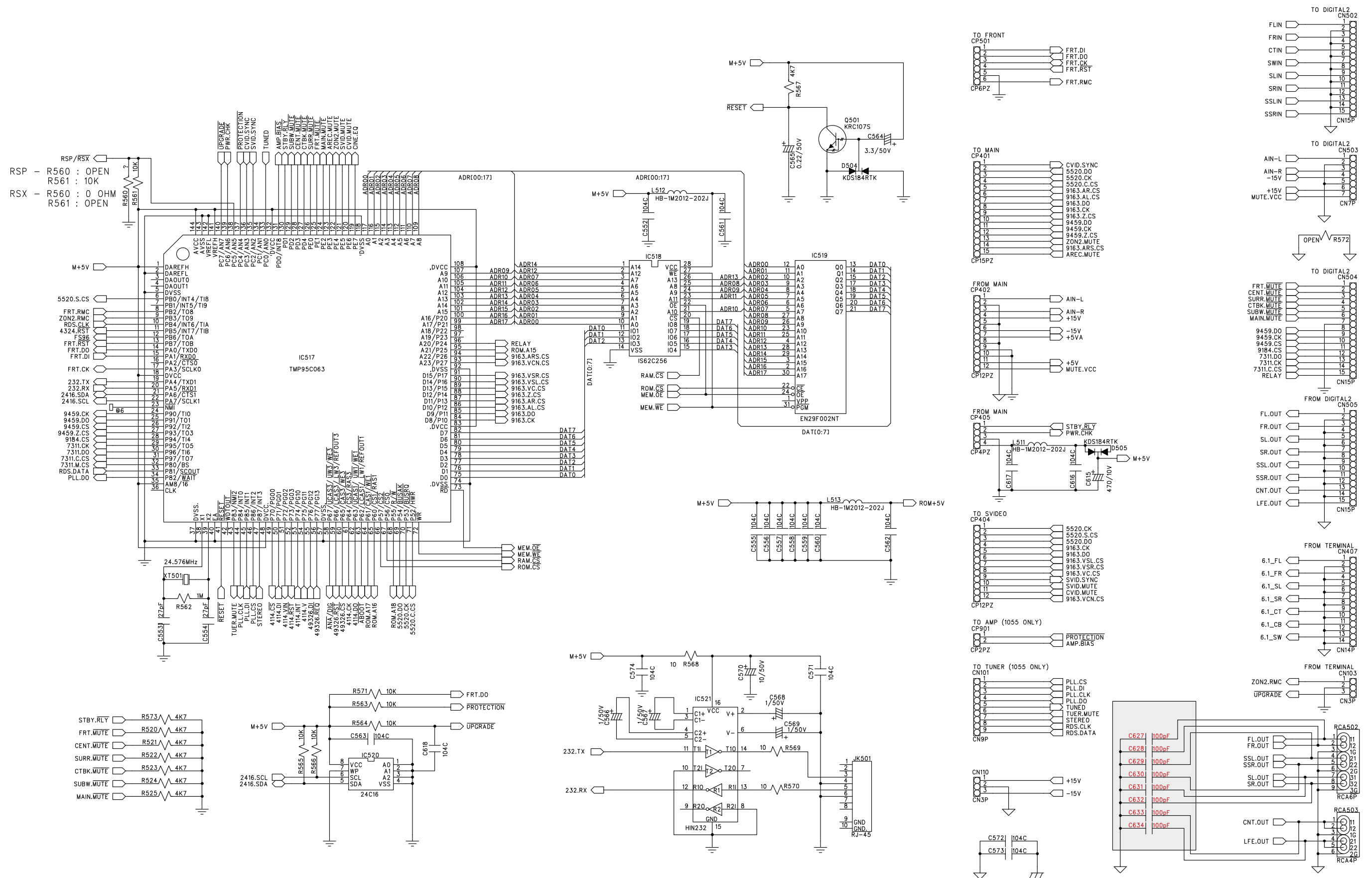


Block Diagram RSX-1055

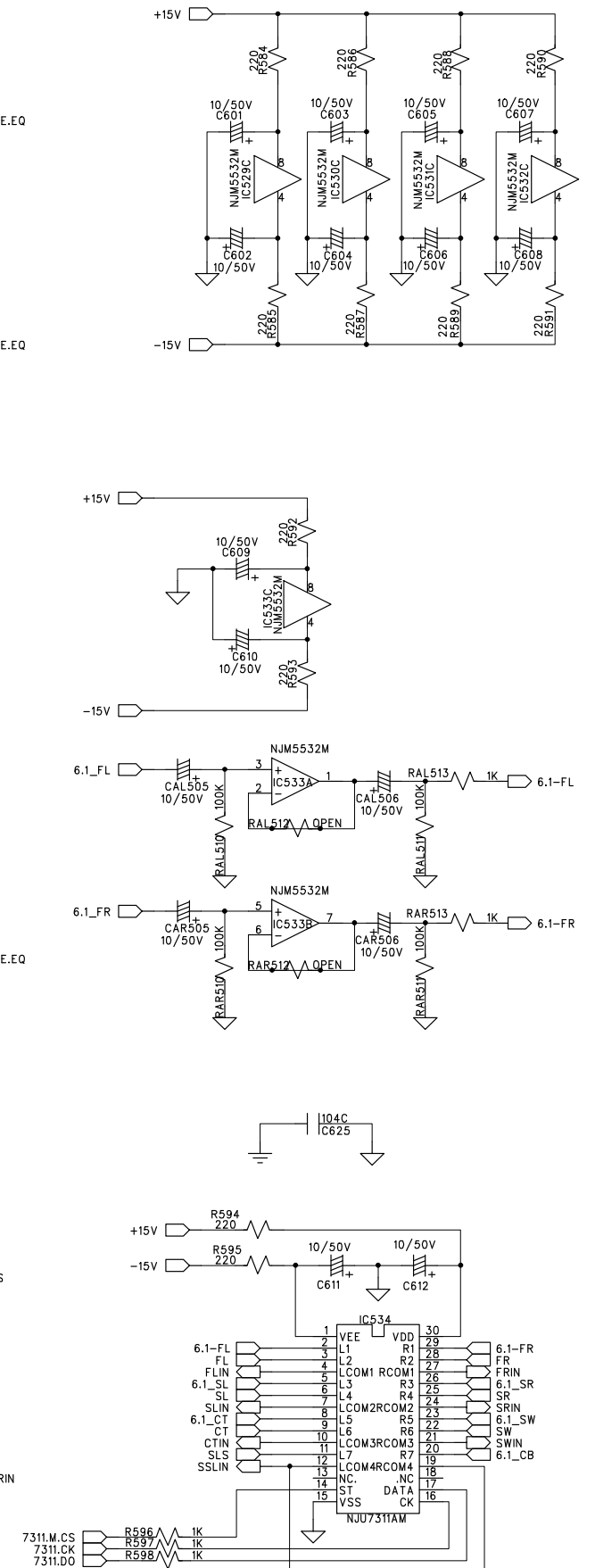
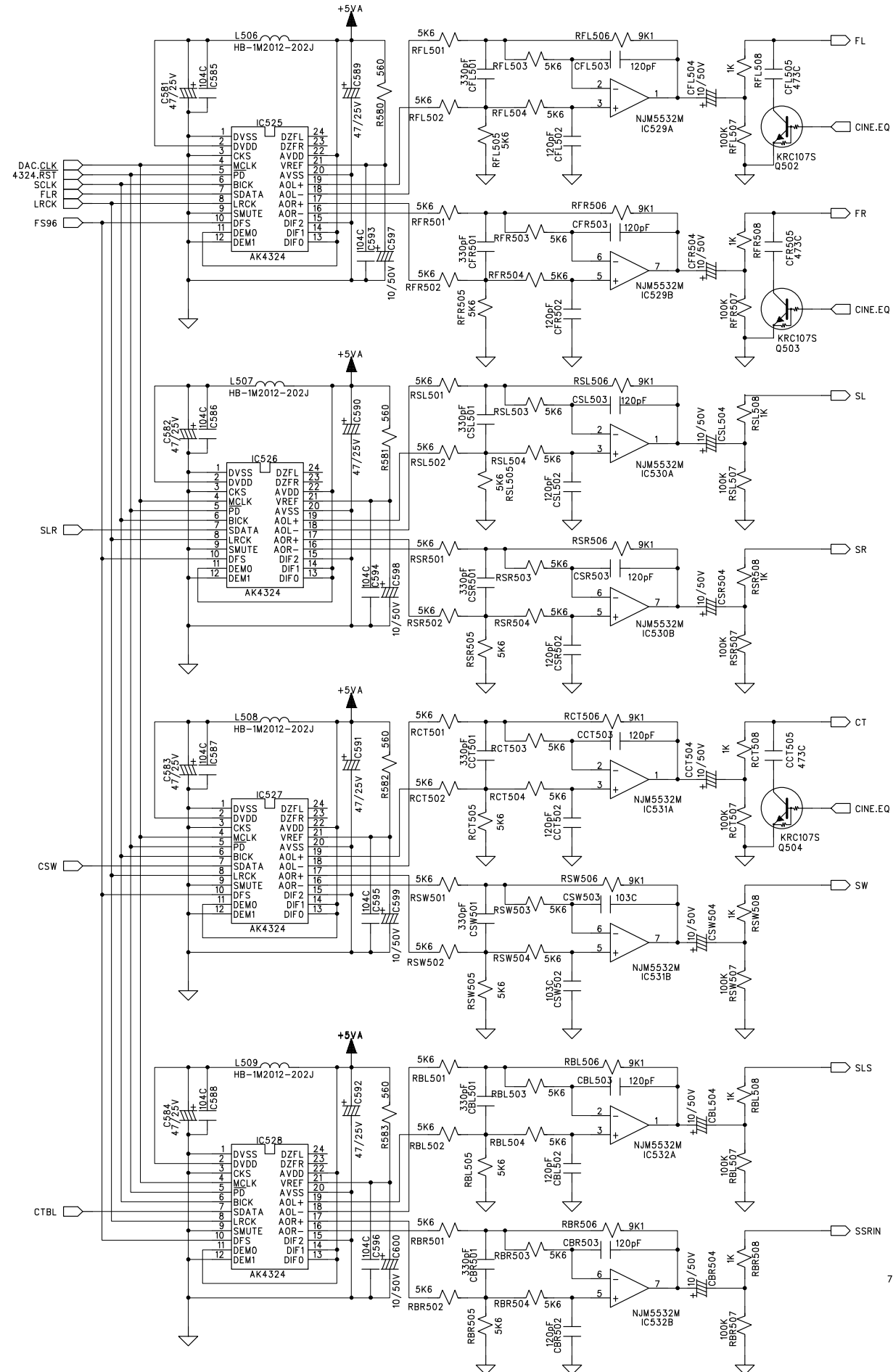






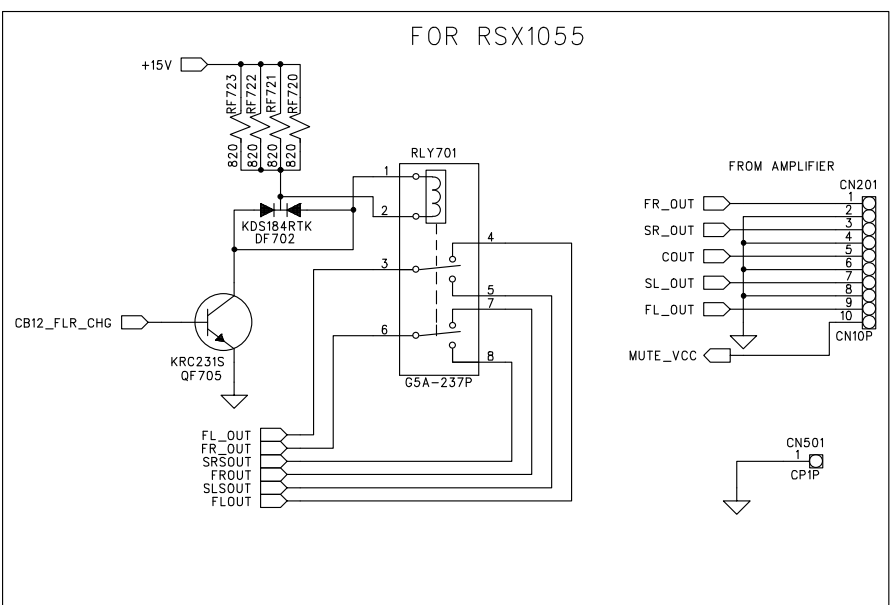
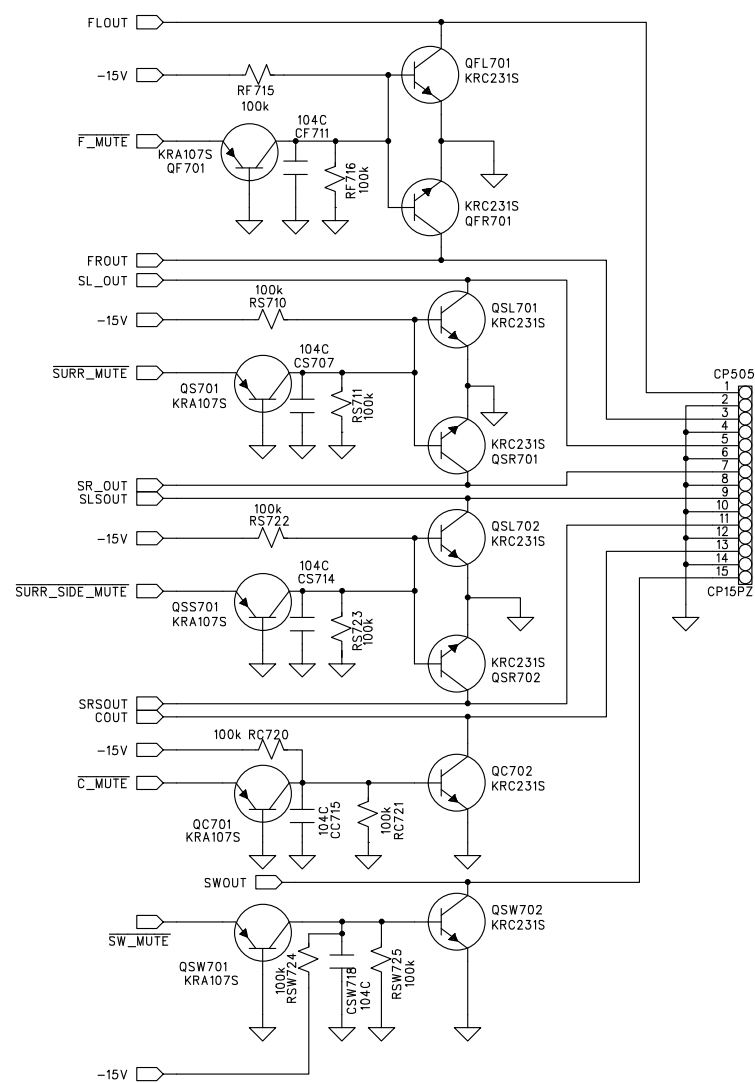
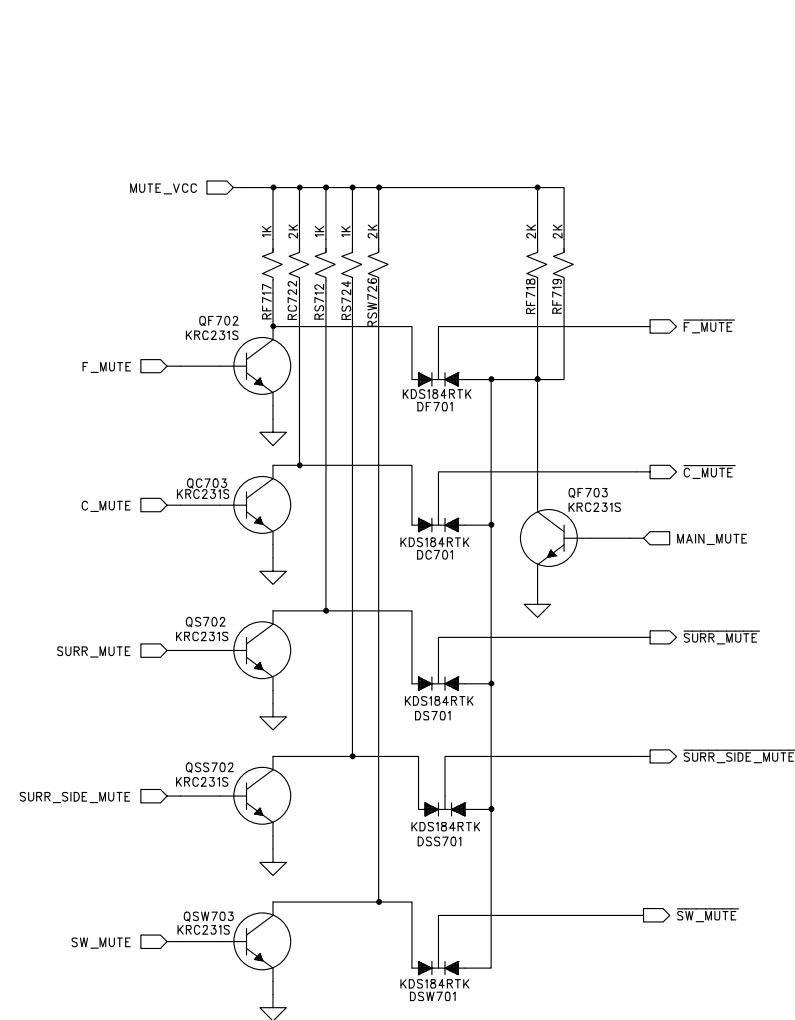
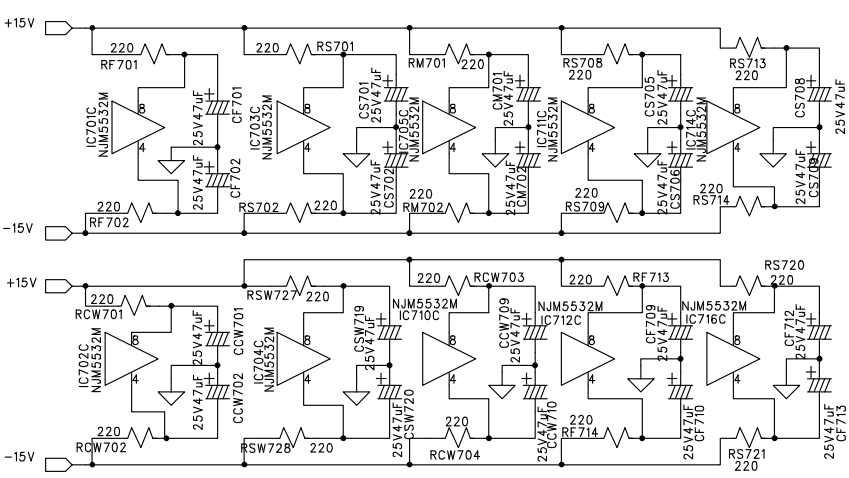
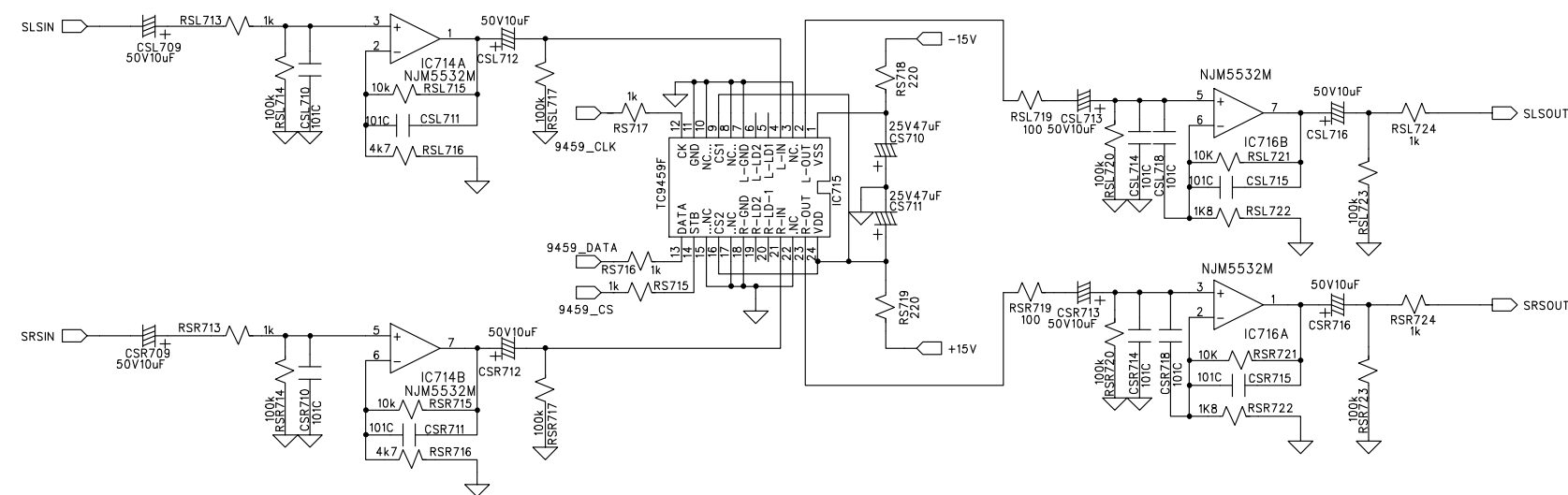


Digital 1 Board (3/3) E-1332

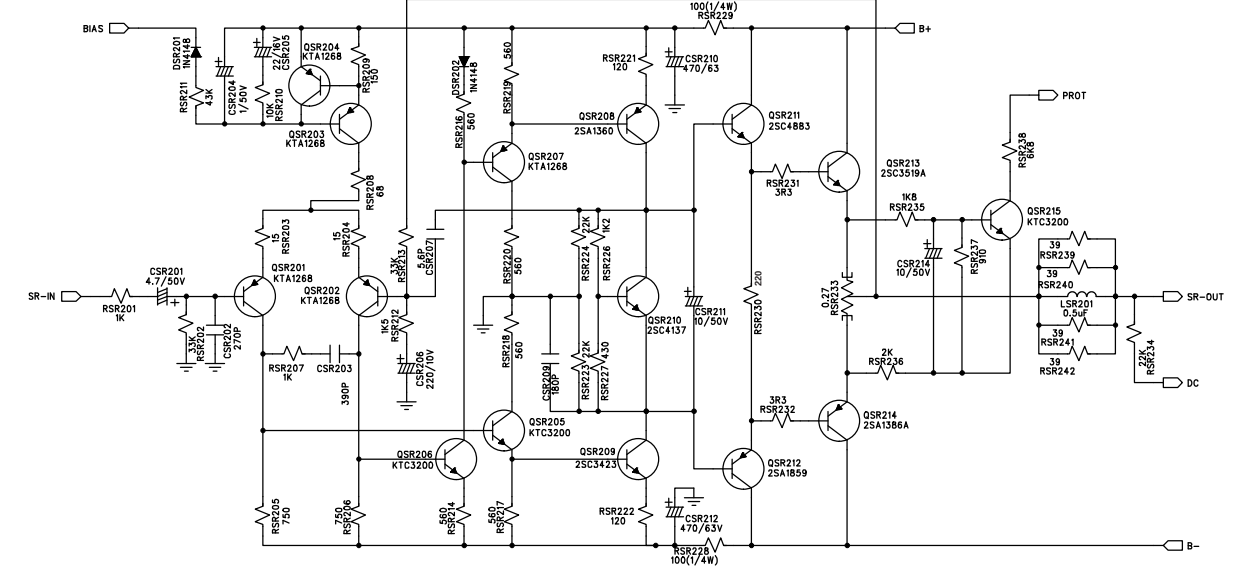
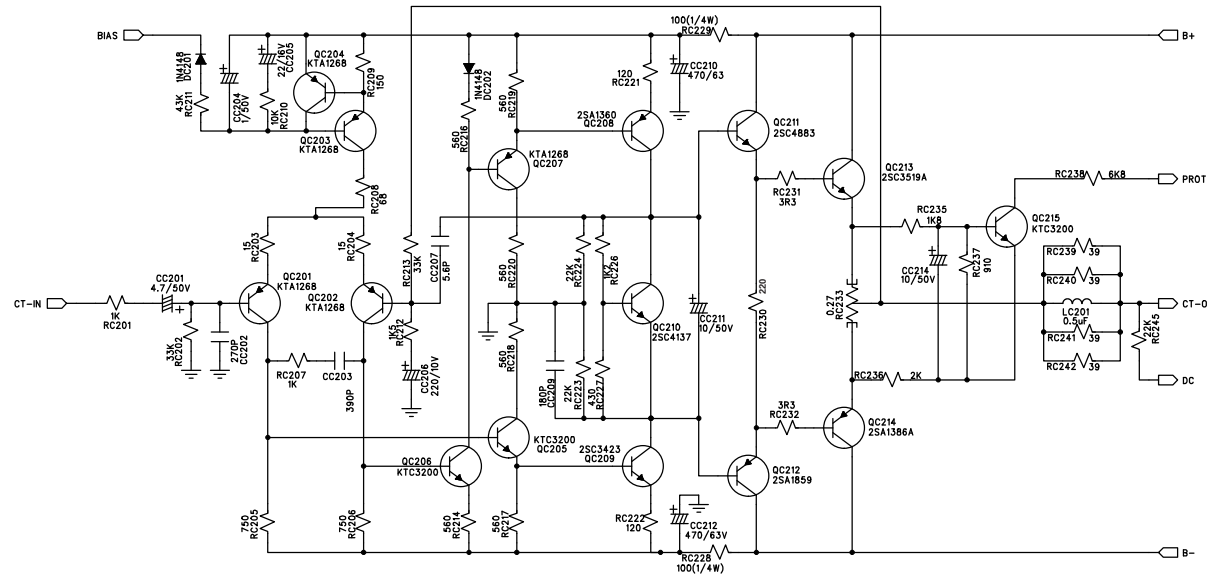
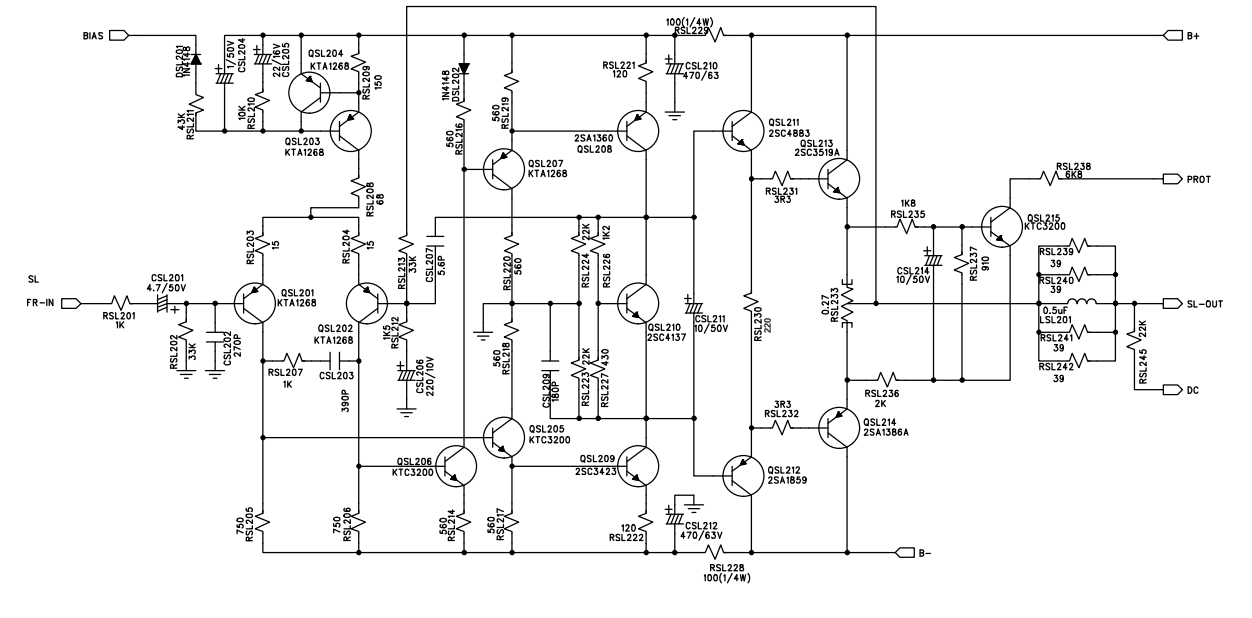
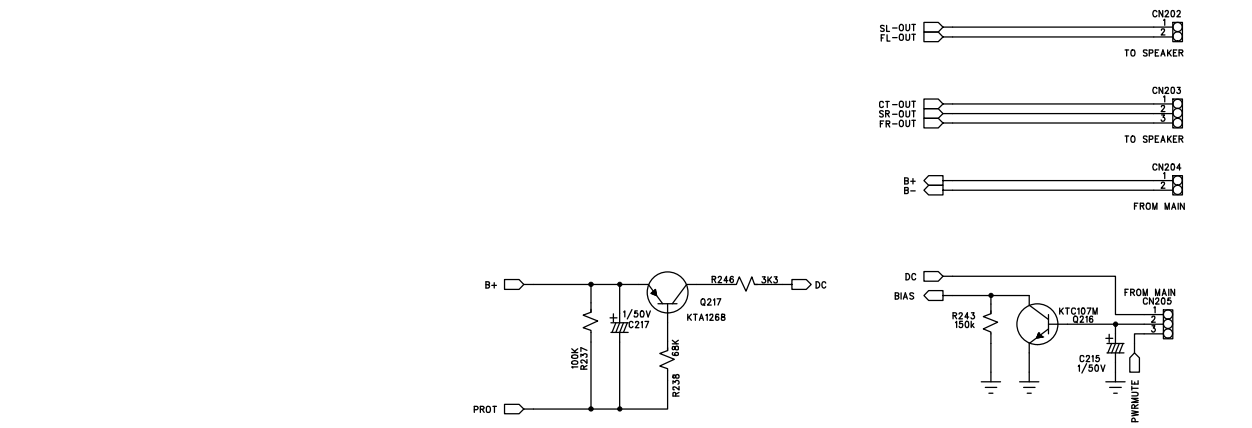


X-1333





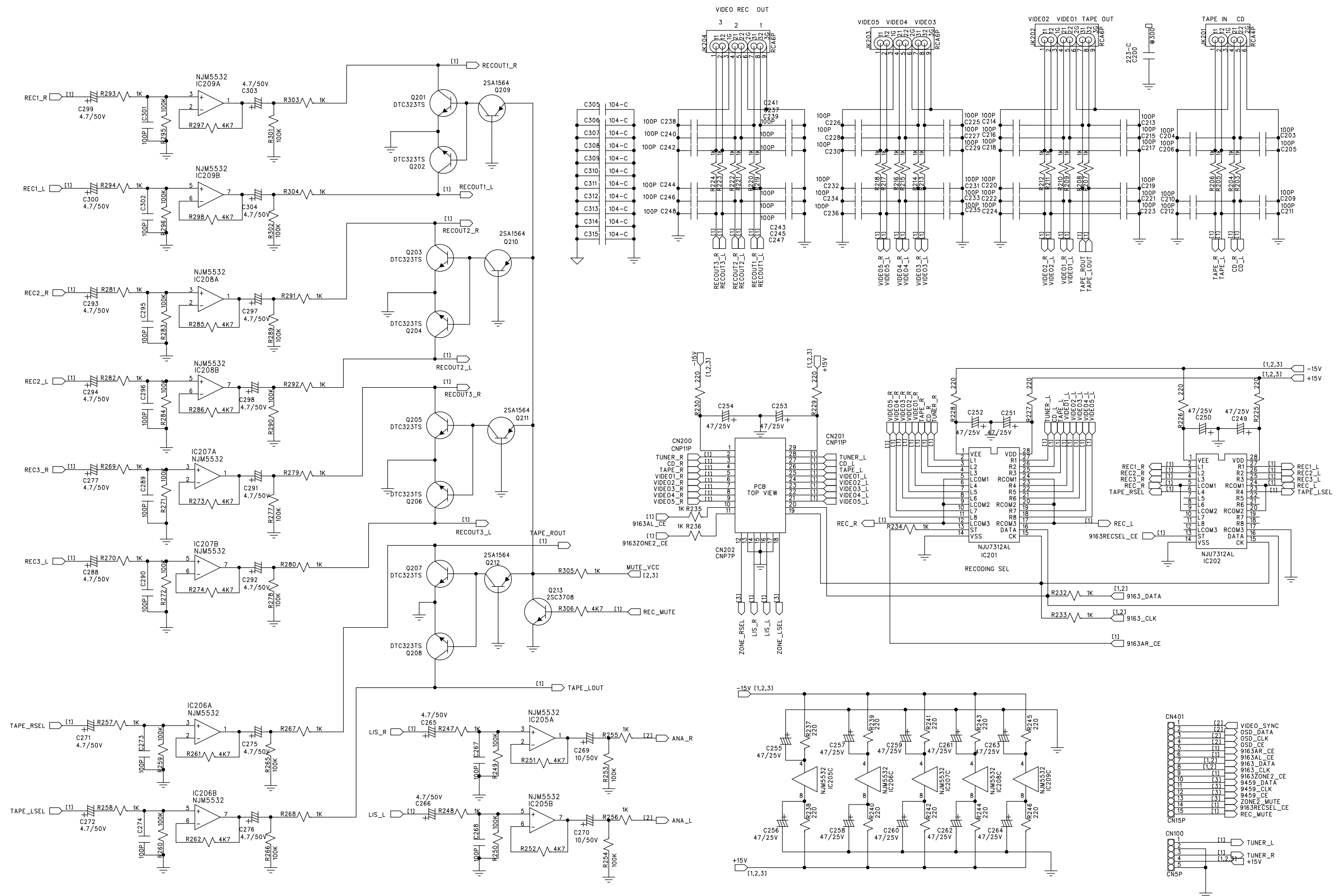
Power Amplifier PCB



Schematic Diagram -8/13

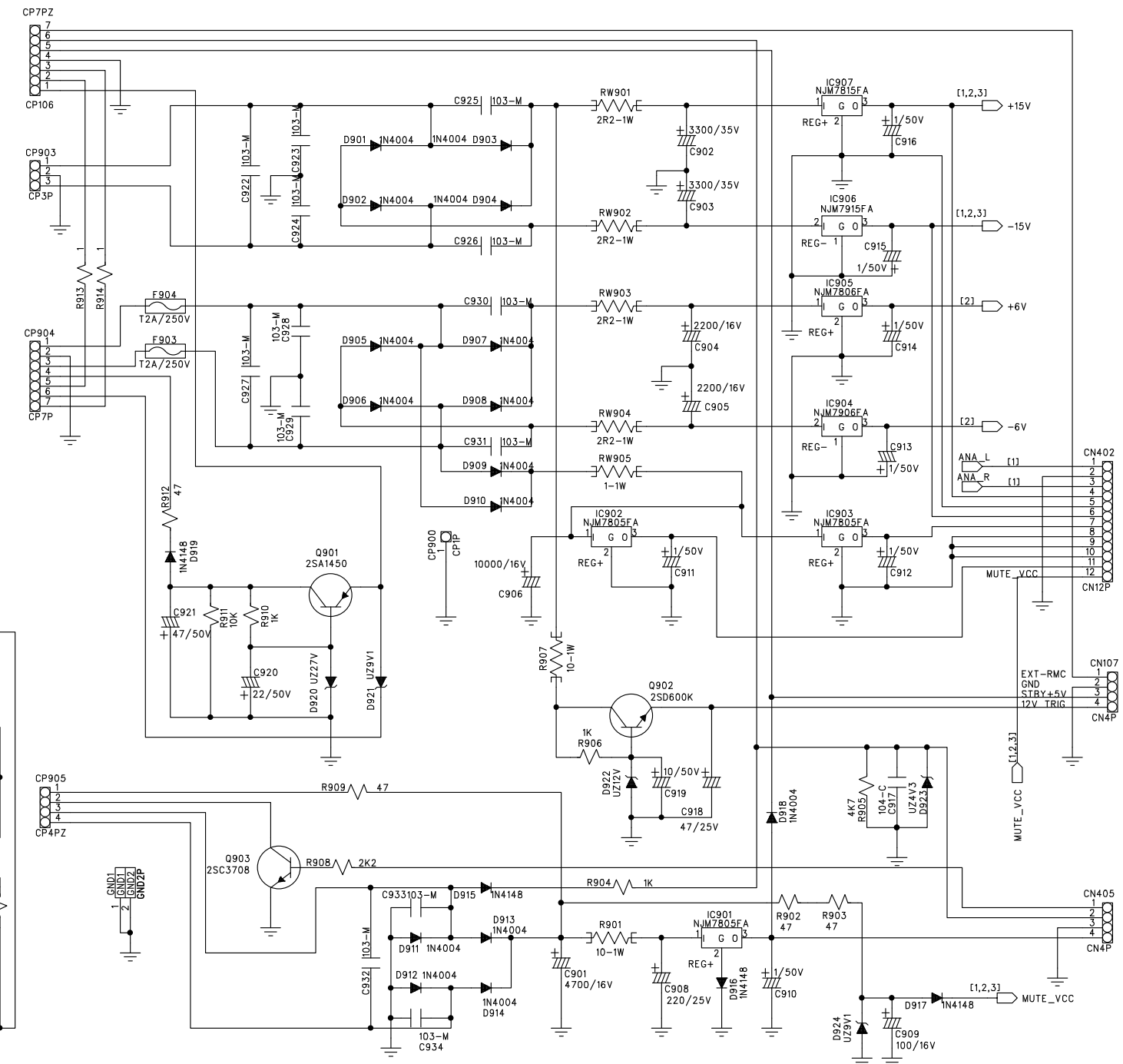
Main Board (1/3) - Input Selector

E-1337



Main Board (2/3) - Regulator, OSD

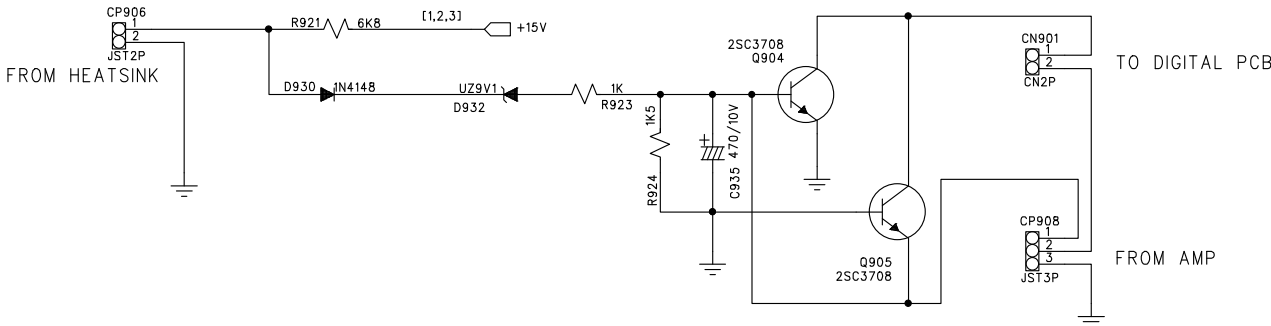
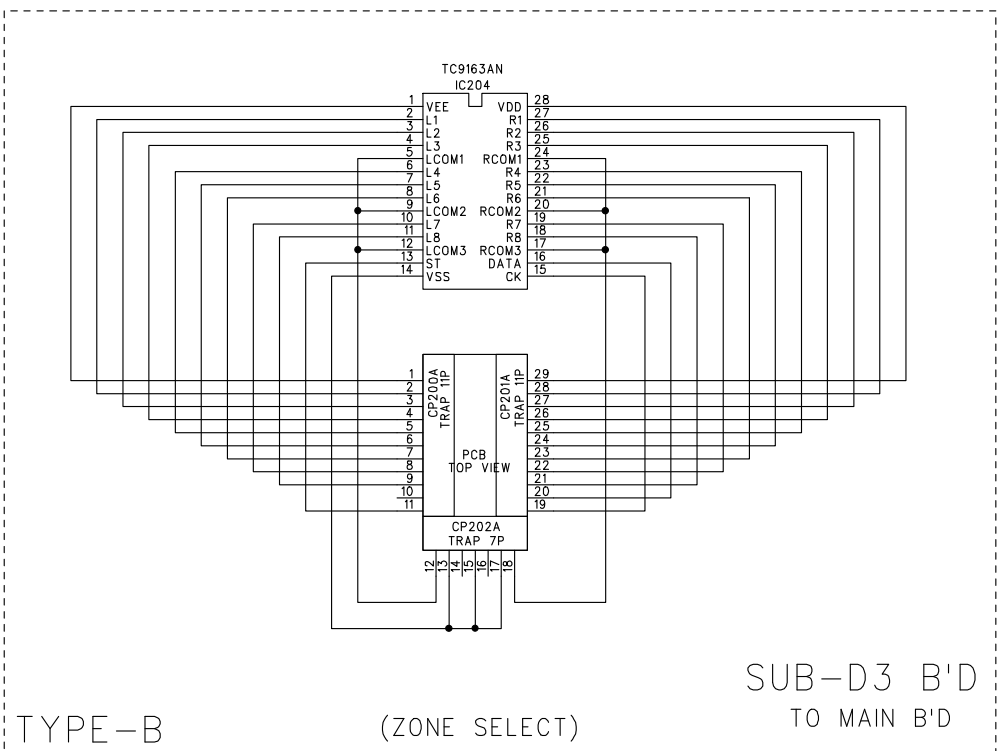
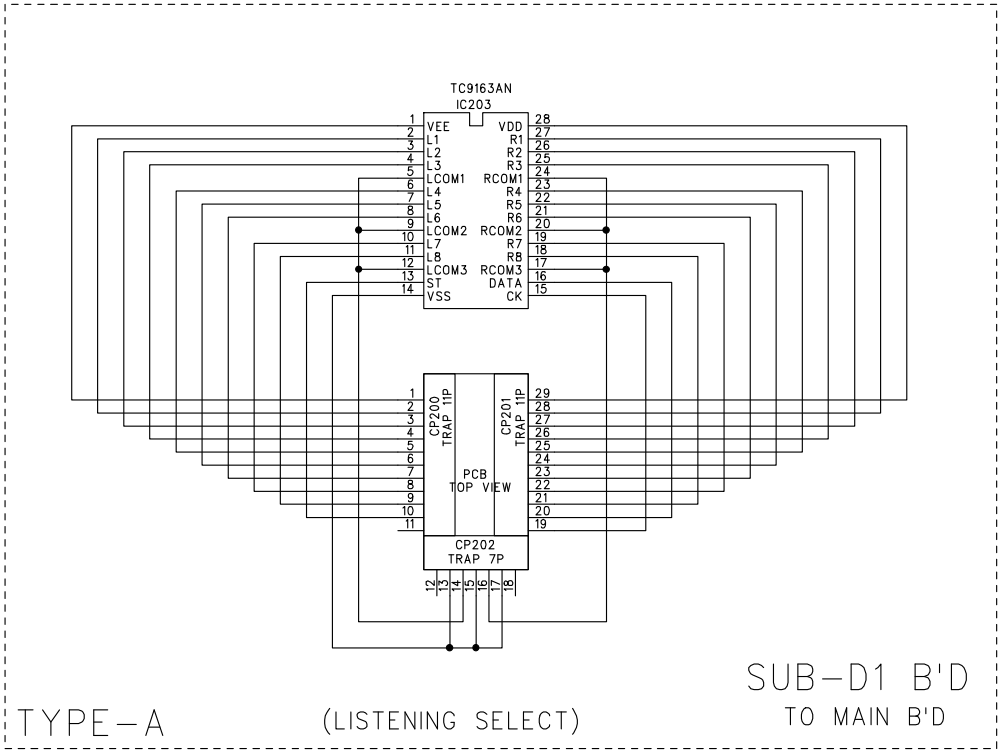
SUPPLY & OSD PART



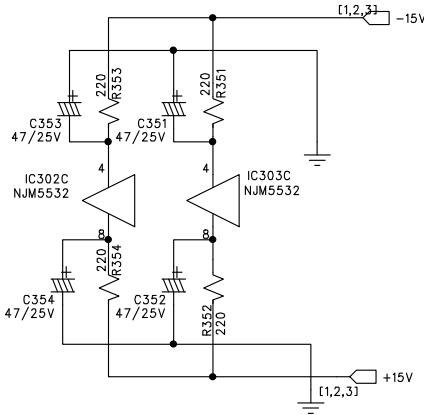
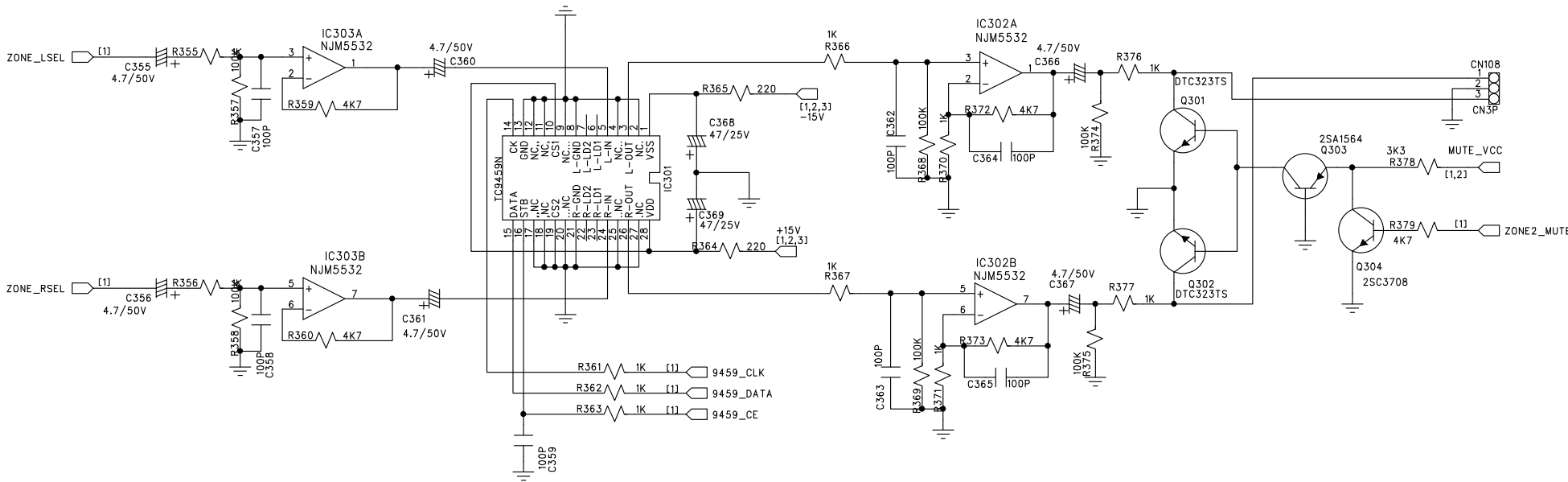
Schematic Diagram -10/13

Main Board (3/3) - Zone

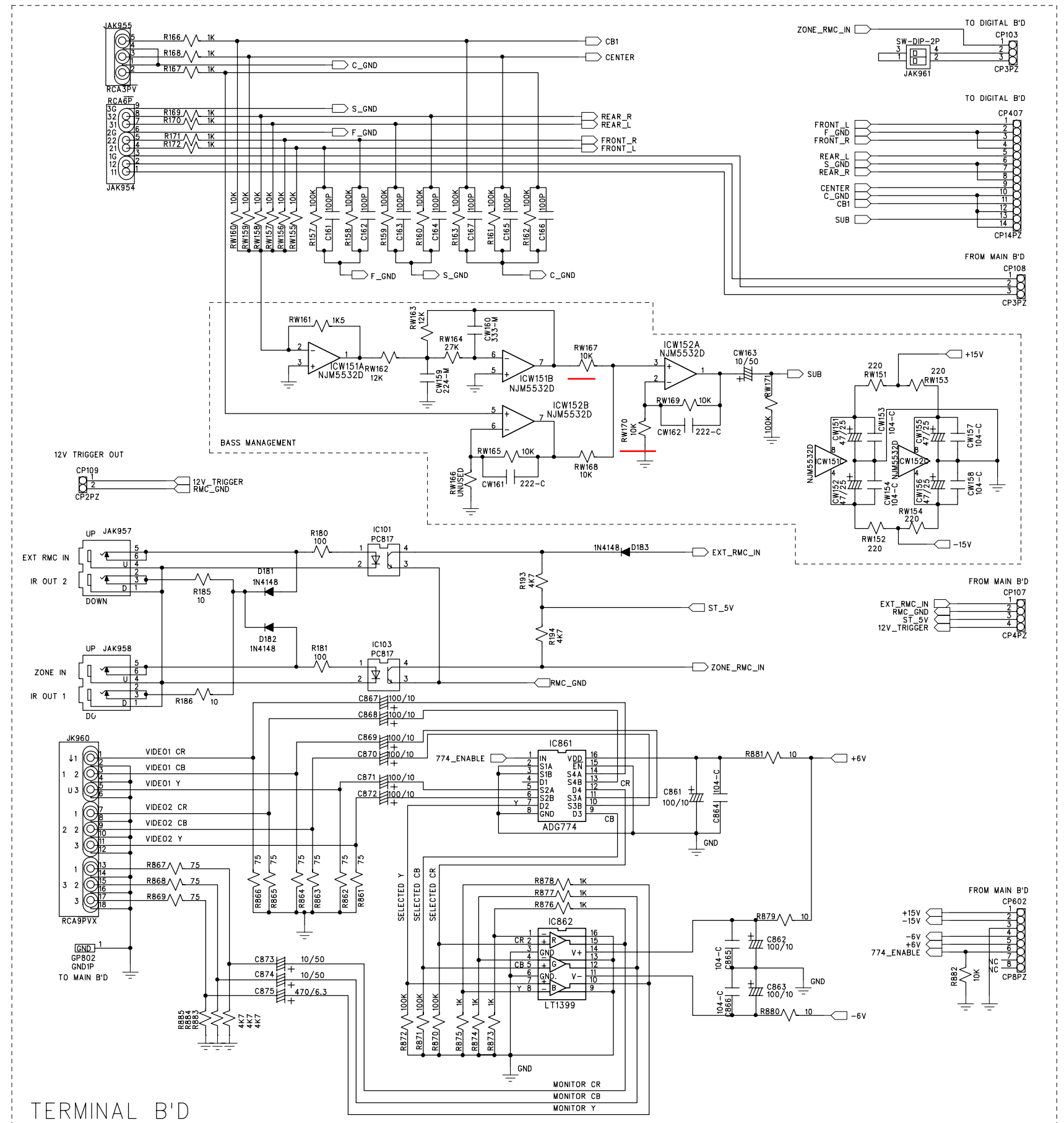
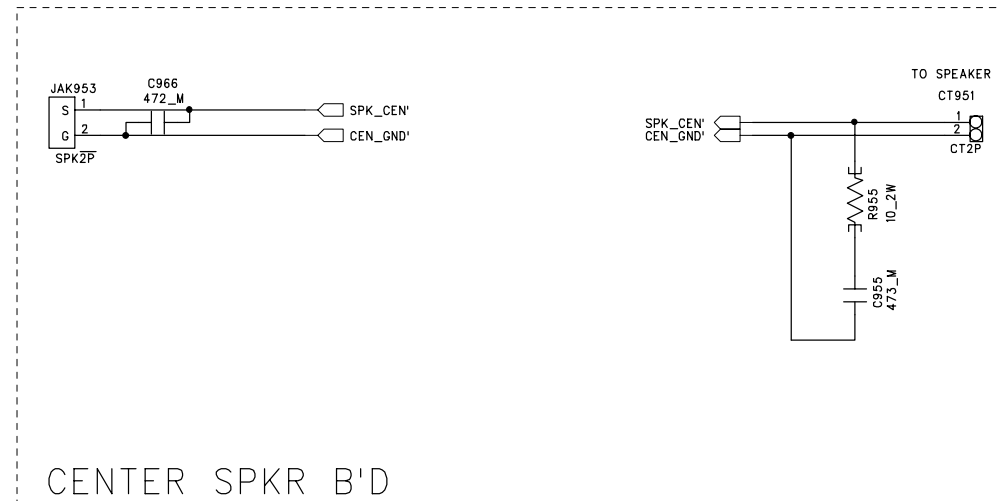
Listening, Zone Select Board



ZONE2 PART
E-1337



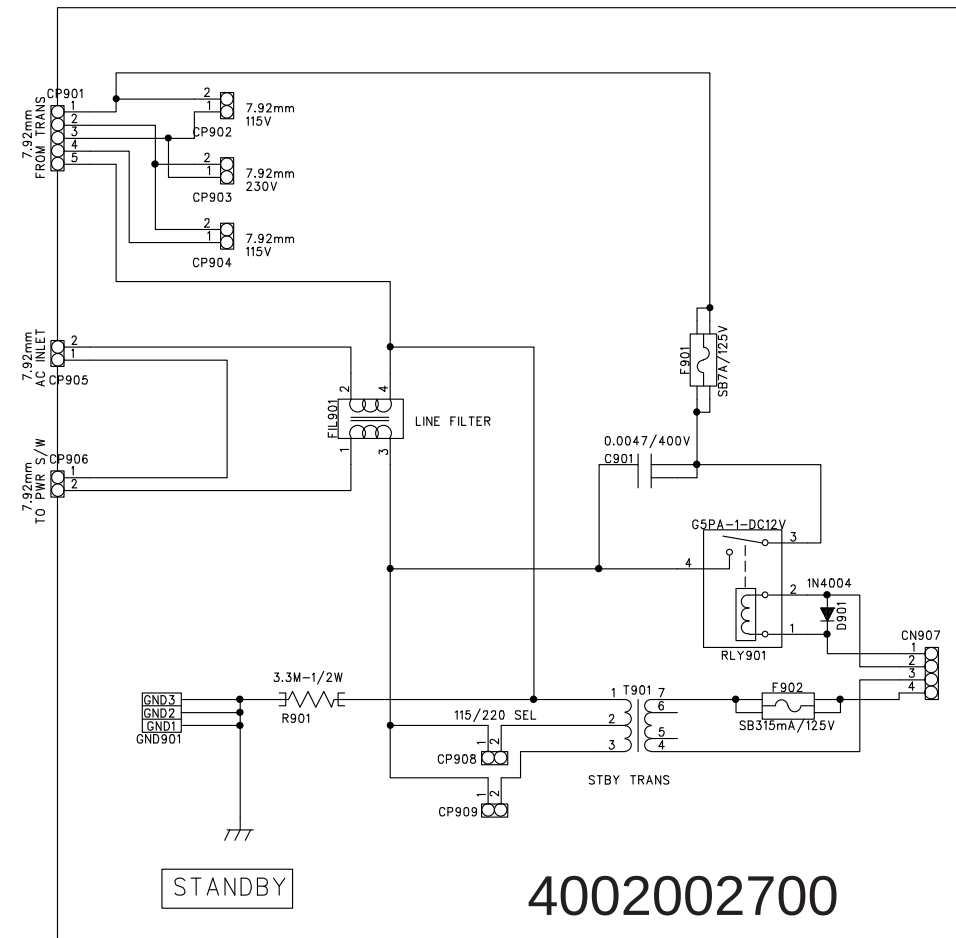
Schematic Diagram



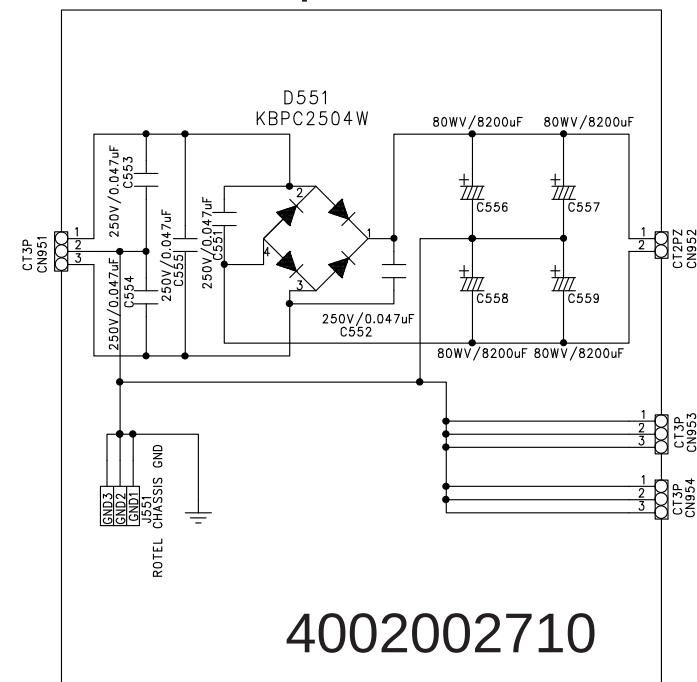
S-Video Board X-1331

Schematic Diagram - 13/13

Standby Board



Capacitor Board



Tuner Board

E-1325B

