

Quality Uncompromised

ROTEL[®]

Technical Manual

SURROUND SOUND RECEIVER **RSX-1055**

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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.

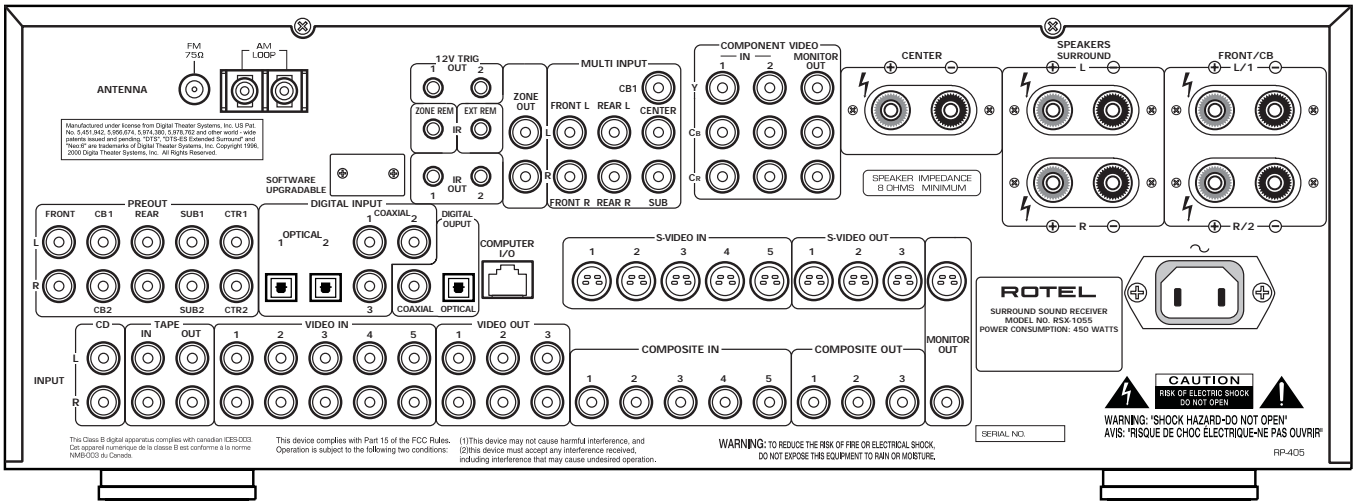
SHINSEN-BLD. 4F 10-10 SHINSEN-CHO, SHIBUYA-KU,
TOKYO 150-0045, JAPAN

Serial. NO.
Beginning

Y-366A-0207/pdf

Appearance

RSX-1055



SYMBOL	PARTS NO.	DESCRIPTION
016 E-1337A00 PCB ASSY (MAIN)		
	501 E-1337	PCB ASSY
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)
F903,904	036 LT5-020H	AXIAL TYPE FUSE 2A
C825	043 TC50V103	CERAMIC CAPACITOR 0.01uF
C200	043 TC50V223	CERAMIC CAPACITOR 0.022uF
C305-315,834-837	043 TC50V104	CERAMIC CAPACITOR 0.1uF
C814,815,828,832,917	043 TC50V104	CERAMIC CAPACITOR 0.1uF
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
C830,831	043 TC50VCH330	CERAMIC CAPACITOR 33pF
C922-934	043 TC500V103	CERAMIC CAPACITOR 500V103pF
C819,820	043 TC50VCH560	CERAMIC CAPACITOR 56pF
X801	023 HC49U-001WR	CRYSTAL 14.31818MHz
D901-914,918	034 1N4004	DIODE (1A 400V)
D801-803,915-917,919,930	034 T1N4148-86	DIODE 1N4148TAP
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
C901	041 TUTES1C472-TS	ELECTROLYTIC CAPACITOR 16V4700uF
C801-804,935	041 TUTES1C471-TF	ELECTROLYTIC CAPACITOR 16V470uF
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
C902,903	041 TUTES1V332-TS	ELECTROLYTIC CAPACITOR 35V3300uF
C826	041 TUTES1HR47-TF	ELECTROLYTIC CAPACITOR 50V0.47uF
C269,270,809,919	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
C821,822,910-916	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
C823	041 TUTES1H2R2-TF	ELECTROLYTIC CAPACITOR 50V2.2uF
C920	041 TUTES1H220-TF	ELECTROLYTIC CAPACITOR 50V22uF
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
C921	041 TUTES1H470-TF	ELECTROLYTIC CAPACITOR 50V47uF
IC907	031 KIA7815PI	IC (REGULATOR +15V)
IC901-903	031 KIA7805P	IC (REGULATOR +5V)
IC905	031 KIA7806PI	IC (REGULATOR +6V)
IC906	031 KIA7915PI	IC (REGULATOR -15V)
IC904	031 KIA7906PI	IC (REGULATOR -6V)
IC205-209,302,303	031 NJM5532D	IC (DUAL OPEAMP)
IC803	031 TSH94IN	IC (QUAD OPEAMP)
IC801	031 KS5520-1	IC (SCREEN DISPLAY)
IC201,202,802	031 TC9163AN	IC (SWITCH ARRAY)
IC301	031 TC9459N	IC (VOLUME)
R924	054 TMF1501	METAL FILM RESISTOR 1/4W 1.5K
R203-206,209-218,802	054 TMF1000	METAL FILM RESISTOR 1/4W 100
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
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
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

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SYMBOL	PARTS NO.	DESCRIPTION
R848,913,914	054 TMF16-1R00	METAL FILM RESISTOR 1/6W 1
R845	054 TMF16-1201	METAL FILM RESISTOR 1/6W 1.2K
R800	054 TMF16-1202	METAL FILM RESISTOR 1/6W 1.2K
R843	054 TMF16-10R0	METAL FILM RESISTOR 1/6W 10
R808-810	054 TMF16-1000	METAL FILM RESISTOR 1/6W 100
R838	054 TMF16-1003	METAL FILM RESISTOR 1/6W 100K
R801,803,811-813,911	054 TMF16-1002	METAL FILM RESISTOR 1/6W 10K
R821	054 TMF16-1200	METAL FILM RESISTOR 1/6W 120
R834,847	054 TMF16-1800	METAL FILM RESISTOR 1/6W 180
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
R846	054 TMF16-1004	METAL FILM RESISTOR 1/6W 1M
R828,829,908	054 TMF16-2201	METAL FILM RESISTOR 1/6W 2.2K
R839	054 TMF16-2003	METAL FILM RESISTOR 1/6W 200K
R830,831	054 TMF16-22R0	METAL FILM RESISTOR 1/6W 22
R842	054 TMF16-2202	METAL FILM RESISTOR 1/6W 22K
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
R901	054 1WS10J	MOF RESISTOR 1W 10
RW901	054 1WS2.2JF	MOF RESISTOR 1W 2.2
RW905	054 2WS1JF	MOF RESISTOR 2W 1
R907	054 2WS10JF	MOF RESISTOR 2W 10
RW902	054 2WS2.2JF	MOF RESISTOR 2W 2.2
CP906	034 P43T7D200BW20	POSISTOR
Q201-208,301,302	032 TDTC323TS	TRANSISTOR
Q801,802,805,901	033 TA1450-ST	TRANSISTOR 2SA1450AA-ST
Q209-212,303	032 TA1564	TRANSISTOR 2SA1564AC
Q213,304,803,804,903-905	033 TC3708-ST	TRANSISTOR 2SC3708AA-ST
Q902	032 D600-EF	TRANSISTOR 2SD600K-EF
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)
016 X-1338A01-06 PCB ASSY (FRONT)		
	501 X-1338	PCB ASSY
CS100	044 3549472109	AC CAPACITOR 400V0.0047uF
R109,114-119,123	053 CR14-103J-A	CARBON RESISTOR 1/4W 10K
(R121)	053 CR14-181J-A	CARBON RESISTOR 1/4W 180
R101-104,124-126	053 CR14-102J-A	CARBON RESISTOR 1/4W 1K
R122	053 CR14-472J-A	CARBON RESISTOR 1/4W 4.7K
R120	053 CR14-470J-A	CARBON RESISTOR 1/4W 47
(R121)	053 CR14-471J-A	CARBON RESISTOR 1/4W 470
R105-108,110-113	053 CR14-473J-A	CARBON RESISTOR 1/4W 47K
C115,118	043 TC50V103	CERAMIC CAPACITOR 0.01uF
C100,112,113	043 TC50V473	CERAMIC CAPACITOR 0.047uF
C101-104,106,107	043 TC50V101	CERAMIC CAPACITOR 100pF
C108-111	043 TC50V821	CERAMIC CAPACITOR 820pF
X101	023 CST10.0MTW	CERAMIC RESONATOR
D101-104	034 T1N4148-86	DIODE 1N4148TAP-50
C114	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
C117	041 TUTES1H4R7-TF	ELECTROLYTIC CAPACITOR 50V4.7uF
ESW101	056 C-4678A01	ENCODER EC16B243040F(D25)
FIP1	035 HNR08MM31	FL TUBE
RMC101	031 SBX3010-52B	I C (REMOTE EYE)
IC100	031 CXP82832-338Q	I C (CPU)
IC203,204	031 TC9163AN	IC (SWITCH ARRAY)
SW100	061 C-4176A08	POWER SWITCH PS3-22SPA-P7AZ TV-8

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SYMBOL	PARTS NO.	DESCRIPTION
SW101-132	061 C-4679A03	TACT SWITCH SKHHAMA010
Q101	032 TC3708-ST	TRANSISTOR 2SC3708AA-ST
016 X-1339A01-04 PCB ASSY (TERMINAL)		
	501 X-1339	PCB ASSY
JAK953	067 C-4795A00	2P SPEAKER TERMINAL (RED/BLK)
JAK957-959	065 HSJ1002-01-1020	3.5Φ MINI JACK
JAK955	066 C-4793A01	3P PIN JACK (BLK)
JAK951,952	067 C-4794A00	4P SPEAKER TERMINAL (RED/BLK)
JAK954	066 C-4792A01	6P PIN JACK (WHT/RED)
JAK960	066 C-4721A02	9P PIN JACK (GR/BL/R)
RW161	053 CR16-152J-A	CARBON RESISTOR 1/6W 1.5K
R185,186	053 CR16-100J-A	CARBON RESISTOR 1/6W 10
R180,181,874,880,886	053 CR16-101J-A	CARBON RESISTOR 1/6W 100
R157-163,RW171	053 CR16-104J-A	CARBON RESISTOR 1/6W 100K
R873,879,885	053 CR16-103J-A	CARBON RESISTOR 1/6W 10K
RW155-160,165,167-170	053 CR16-103J-A	CARBON RESISTOR 1/6W 10K
RW162,163	053 CR16-123J-A	CARBON RESISTOR 1/6W 12K
R166-172,871,872,877,878	053 CR16-102J-A	CARBON RESISTOR 1/6W 1K
R883,884,887	053 CR16-102J-A	CARBON RESISTOR 1/6W 1K
RW151-154	053 CR16-220J-A	CARBON RESISTOR 1/6W 22
R867,868	053 CR16-221J-A	CARBON RESISTOR 1/6W 220
R869,875,881	053 CR16-223J-A	CARBON RESISTOR 1/6W 22K
RW164	053 CR16-273J-A	CARBON RESISTOR 1/6W 27K
R193,194	053 CR16-472J-A	CARBON RESISTOR 1/6W 4.7K
R861-866,870,876,882	053 CR16-750J-A	CARBON RESISTOR 1/6W 75
CW161,162	043 TC50V222	CERAMIC CAPACITOR 0.0022uF
C966-970	043 TC50V472	CERAMIC CAPACITOR 0.0047uF
C951-955	043 TC50V473	CERAMIC CAPACITOR 0.047uF
C867,869,CW153,154,157,158	043 TC50V104	CERAMIC CAPACITOR 0.1uF
C161-167	043 TC50V101	CERAMIC CAPACITOR 100pF
D181-183	034 T1N4148-86	DIODE 1N4148TAP-50
JAK961	064 KSP02	DIP SWITCH
C863-866,868	041 TUTES1A101-TF	ELECTROLYTIC CAPACITOR 10V100uF
C861,862	041 TUTES1HR47-TF	ELECTROLYTIC CAPACITOR 50V0.47uF
CW163	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CW151,152,155,156	041 TUTES1H470-TF	ELECTROLYTIC CAPACITOR 50V47uF
ICW151,152	031 NJM5532D	I C (DUAL OPEAMP)
IC101,103	031 LTV817	I C (PHOTO COUPLER)
IC861	031 TC9163AN	I C (SWITCH ARRAY)
IC862	031 TSH94IN	IC (QUAD AMP)
R951-955	054 2WS10JF	MOF RESISTOR 2W 10
R183,184	054 2WS56JF	MOF RESISTOR 2W 56
CW160	042 TP50V333J	MYLAR CAPACITOR 0.033uF
CW159	044 50MSAN224J	STACKED FILM CAPACITOR 0.22uF
016 E-4002000200 PCB ASSY (AMP)		
	501 E-4002000200A	PCB ASSY
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
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
CC.CL.CR.CSL.CSR206	041 TUTES1A221-TF	ELECTROLYTIC CAPACITOR 10V220uF
CC.CL.CR.CSL.CSR211,214	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
C215,217,CC.CL.CR.CSL.CSR204	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
CC.CL.CR.CSL.CSR205	041 TUTES1H220-TF	ELECTROLYTIC CAPACITOR 50V22uF
CC.CL.CR.CSL.CSR201	041 TUTES1H4R7-TF	ELECTROLYTIC CAPACITOR 50V4.7uF
C216	041 TUTES1H470-TF	ELECTROLYTIC CAPACITOR 50V47uF
CC.CL.CR.CSL.CSR210,212	041 TUTES1J471-TS	ELECTROLYTIC CAPACITOR 63V470uF
RC.RL.RR.RSL.RSR228,229	054 TMF1000	METAL FILM RESISTOR 1/4W 100
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.RR.RSL.RSR235	054 TMF16-1801	METAL FILM RESISTOR 1/6W 1.8K

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SYMBOL	PARTS NO.	DESCRIPTION
R237	054 TMF16-1003	METAL FILM RESISTOR 1/6W 100K
RC.RL.RR.RSL.RSR210	054 TMF16-1002	METAL FILM RESISTOR 1/6W 10K
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.RSR203,204	054 TMF16-15R0	METAL FILM RESISTOR 1/6W 15
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.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.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
RC.RL.RR.RSL.RSR236	054 TMF16-2001	METAL FILM RESISTOR 1/6W 2K
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
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.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
RC.RL.RR.RSL.RSR208	054 TMF16-68R0	METAL FILM RESISTOR 1/6W 68
R238	054 TMF16-6802	METAL FILM RESISTOR 1/6W 68K
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
RC.RL.RR.RSL.RSR233	054 MPR5W0.27RJ	METAL PLATE RESISTOR 5W 0.27
R244,245	054 1WS1.2KJF	MOF RESISTOR 1W 1.2K
QC,QL,QR,QSL,QSR210	032 C4137-V	TRANSISTOR (2SC4137-V)
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
Q216	032 KRC107M	TRANSISTOR KRC107M
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
ZD201	034 TRD12JST1	ZENER DIODE 12V (AB2)
016 X-4002002700, 016 X-4002002710 PCB ASSY (STANDBY, CAPACITOR)		
	501 X-4002002700-B	PCB ASSY
	501 X-4002004710-B	PCB ASSY
C901	044 3549472109	AC CAPACITOR 400V0.0047uF
C551-555	043 TC500V103	CERAMIC CAPACITOR 500V0.01uF
D901	034 1N4004	DIODE (1A 400V)
C556-559	041 HC80V8200UF	ELECTROLYTIC CAPACITOR 80V8200uF
F901	036 S51-7A	FUSE 250V7A UL for 115V
F902	036 5ST250	FUSE 250VT250MA for 230V
F902	036 5ST315	FUSE 250VT315MA for 115V
F901	036 5ST4	FUSE 250VT4A for 230V
F901,902	069 CNT47-0007	FUSE CLIP
FIL901	021 2648701170	LINE FILTER
R901	054 MOF12-3M3	MOF RESISTOR 1/2W 3.3M (USA only)
D551	034 KBPC2504W-F	POWER DIODE 25A 400V
RLY901	063 G5PA-1	RELAY DC 12V (G5PA-1)
T901	022 2828000097	SUB TRANSFORMER

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SYMBOL	PARTS NO.	DESCRIPTION
016 E-1325B00 PCB ASSY (TUNER)		
	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

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SYMBOL	PARTS NO.	DESCRIPTION
EC05,17,18,19,20,21,22	JE32R-G5BA100M-BOL	ELECTROLYTIC CAPACITOR 16V10uF
EC02,04,06,10,12	JE32R-G5BA470M-BOL	ELECTROLYTIC CAPACITOR 16V47uF
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-1111
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-1331-B	PCB ASSY
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
D601,602	034 T1N4148-86	DIODE 1N4148TAP-50
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
CD609	041 TUTES1HR47-TF	ELECTROLYTIC CAPACITOR 50V0.47uF
C600	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
CD603,608	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
CD607	041 TUTES1H2R2-TF	ELECTROLYTIC CAPACITOR 50V2.2uF
ICD601	031 KS5520-1	I C (SCREEN DISPLAY)
IC601,IC602	031 TC9163AF	I C (SWITCH)
IC603,604	031 TSH94ID	IC (QUAD OPEAMP)
LD602	021 LF147A00	INDUCTOR 100uH
LD601	021 LF146A00	INDUCTOR 10uH
RD611	055 ERJ6GEYJ122V	RESISTOR CHIP 1.2K
RD610	055 ERJ6GEYJ100V	RESISTOR CHIP 10
R641-648,RD614	055 ERJ6GEYJ101V	RESISTOR CHIP 100
RD606	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
R649-656,RD618	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
RD619	055 ERJ6GEYJ123V	RESISTOR CHIP 12K
RD617	055 ERJ6GEYJ181V	RESISTOR CHIP 180
R657-672,675,RD602-604	055 ERJ6GEYJ102V	RESISTOR CHIP 1K
RD613	055 ERJ6GEYJ105V	RESISTOR CHIP 1M
RD601	055 ERJ6GEYJ2R2V	RESISTOR CHIP 2.2
R629,630	055 ERJ6GEYJ222V	RESISTOR CHIP 2.2K
RD605	055 ERJ6GEYJ204V	RESISTOR CHIP 200K
R621-624	055 ERJ6GEYJ221V	RESISTOR CHIP 220
RD609	055 ERJ6GEYJ223V	RESISTOR CHIP 22K
RD612	055 ERJ6GEYJ392V	RESISTOR CHIP 3.9K
R676,RD608	055 ERJ6GEYJ472V	RESISTOR CHIP 4.7K
R600,631-635,RD615,616	055 ERJ6GEYJ470V	RESISTOR CHIP 47
RD607	055 ERJ6GEYJ512V	RESISTOR CHIP 5.1K
R627,628	055 ERJ6GEYJ563V	RESISTOR CHIP 56K
R625,626	055 ERJ6GEYJ682V	RESISTOR CHIP 6.8K
R617,618,636	055 ERJ6GEYJ680V	RESISTOR CHIP 68
R601-616	055 ERJ6GEYJ750V	RESISTOR CHIP 75
Q608,610	032 KTA107M	TRANSISTOR

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SYMBOL	PARTS NO.	DESCRIPTION
Q602,603,QD601	032 KTA1271	TRANSISTOR
Q609	032 KTC107M	TRANSISTOR
Q601,604,607,611	032 KTC3203	TRANSISTOR
ZD601	034 TRD5.1JST1	ZENER DIODE 5.1V
016 E-1332C00 PCB ASSY (DIGITAL-1)		
	501 E-1332C00-B	PCB ASSY
CAL/R504	047 ECJ2VG1H222K	CERAMIC CAPACITOR CHIP 0.0022uF
C541	047 ECJ2VG1H103K	CERAMIC CAPACITOR CHIP 0.01uF
CSW502,503	047 ECJ2VG1H103K	CERAMIC CAPACITOR CHIP 0.01uF
CFL/R505,CCT505	047 ECJ2VG1H473K	CERAMIC CAPACITOR CHIP 0.047uF
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
C627-634	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
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
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
CP901	4428502486	CONNECTOR POST 2PZ
CN103	436303252124	CONNECTOR W/WIRE 3P 250mm
CN101	436309182124	CONNECTOR W/WIRE 9P 180mm
XT502	023 12.288MHZ	CRYSTAL 12.288MHZ
XT501	023 24.576MHZ	CRYSTAL 24.576MHZ
D504,D505	034 KDS184RTK	DIODE CHIP KDS184RTK
D502,D503,501	034 KDS226RTK	DIODE CHIP KDS226RTK
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
C565	041 TUTES1HR22-TF	ELECTROLYTIC CAPACITOR 50V0.22uF
C547	041 TUTES1HR47-TF	ELECTROLYTIC CAPACITOR 50V0.47uF
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
C566-569	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
C539	041 UTES1H2R2-FB	ELECTROLYTIC CAPACITOR 50V2.2uF
C564	041 TUTES1H3R3-TF	ELECTROLYTIC CAPACITOR 50V3.3uF
IC505,508	031 74HC157	IC
IC511,512	031 74VHC574M	IC
IC515	031 74HCT125	IC
IC516	031 74VHC244M	IC
IC524	031 AK5351	IC (ADC)
IC534	031 NJU7311AM	IC (ANALOG SWITCH)
IC517	031 TMP95C063F	IC (CPU)
IC525-528	031 AK4324	IC (DAC)
IC510	031 AK4114	IC (DIR)
IC514	031 CS493263-CL	IC (DSP)
IC522,523,529-533	031 NJM5532M	IC (DUAL OPAMP)
IC520	031 AT24C16PC.2.7	IC (EEPROM)
IC519	031 EN29F002NT-X55	IC (FLASH MEMORY)
IC518	031 IS62C256	IC (MEMORY)
IC502,503	031 TORX178B	IC (OPTO RECIEVER)
IC504	031 TOTX178B	IC (OPTO TRANSMITTER)
IC506	031 AME1117BCGT	IC (REGULATOR 2.5V)
IC507	031 AME1117CCGT	IC (REGULATOR 3.3V)
IC521	031 HIN232CB	IC (RS232)
IC513	031 39VF040	IC EEPROM 39VF040 (V1.2)
IC519	031 32PIN-DIP-SOCKET	IC SOCKET (DIP)

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SYMBOL	PARTS NO.	DESCRIPTION
IC513	031 32PIN-PLCC	IC SOCKET (PLCC)
RCA501,503	066 RCA 4P	JACK RCA4P(BK)
RCA502	066 RCA 6P	JACK RCA6P(WHT/RED)
JK501	066 SY010-8P/K	JACK RJ-45
JMP5,JMP7	055 ERJ6GEYJ000V	RESISTOR CHIP 0R
R588,JMP1,JMP2,JMP4,R560	055 ERJ6GEYJ000V	RESISTOR CHIP 0R
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
RAL/R510,511	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
RFL/R507,RSL/R507,RBL/R507,RCT507,RSW507	055 ERJ6GEYJ104V	RESISTOR CHIP 100K
R503,533,549-556,563-566,RAL/R501	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
R571,RAL/R502,RAL/R504	055 ERJ6GEYJ103V	RESISTOR CHIP 10K
R503,507,512	055 ERJ6GEYJ181V	RESISTOR CHIP 180
R532	055 ERJ6GEYJ183V	RESISTOR CHIP 18K
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
R562	055 ERJ6GEYJ105V	RESISTOR CHIP 1M
R584,586,588,590,594,595	055 ERJ6GEYJ221V	RESISTOR CHIP 220
R585,587,589,591-593	055 ERJ6GEYJ221V	RESISTOR CHIP 220
RAL/R505	055 ERJ6GEYJ332V	RESISTOR CHIP 3.3K
RAL/R508,509	055 ERJ6GEYJ331V	RESISTOR CHIP 330
R541	055 ERJ6GEYJ333V	RESISTOR CHIP 33K
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
R517,518	055 ERJ6GEYJ471V	RESISTOR CHIP 470
RAL/R503	055 ERJ6GEYJ473V	RESISTOR CHIP 47K
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
R580-583	055 ERJ6GEYJ561V	RESISTOR CHIP 560
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
T501,T502,T503,T504	2888000010	TRANS PULSE FP-110
Q501,Q502,Q503,Q504	032 KRC107S	TRANSISTOR CHIP KRC107S
016 X-1333C00 PCB ASSY (DIGITAL2 B'D)		
	501 X-1333-B	PCB ASSY
CF706,708,CCW702,706,708,	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CSW707	047 ECJ2VG1H222K	CERAMIC CAPACITOR CHIP 0.0022uF
CSW711	047 ECJ2VG1H822K	CERAMIC CAPACITOR CHIP 0.0082uF
CSW706,710	047 ECJ2VG1H563K	CERAMIC CAPACITOR CHIP 0.056uF
CF711,CS707,714,CC715,	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CSW718	047 ECJ2VG1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
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
CFL708,CFR708,CC707	047 ECJ2VG1H270J	CERAMIC CAPACITOR CHIP 27pF
CN201	436310357724	CONNECTOR W/WIRE 10P 350mm
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

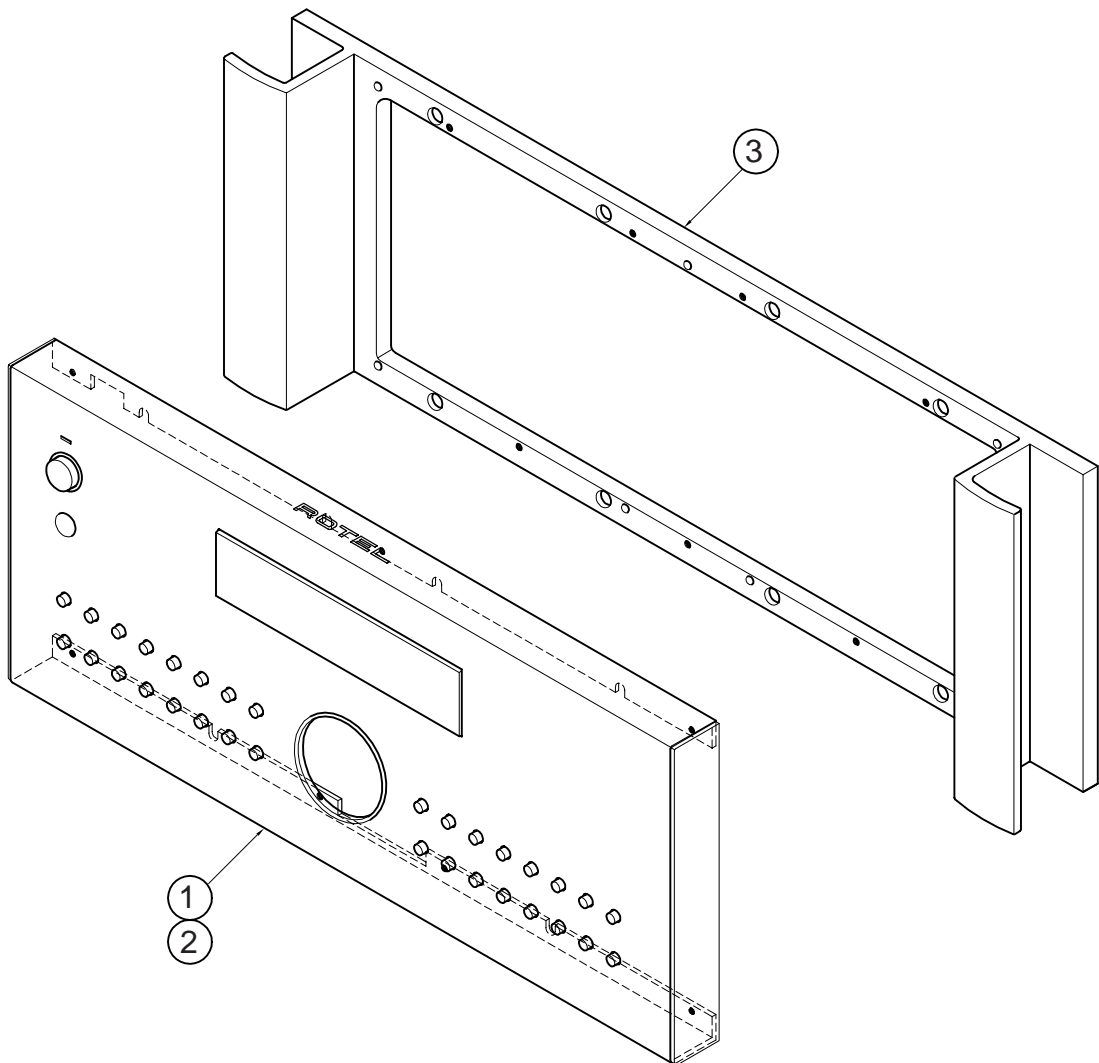
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SYMBOL	PARTS NO.	DESCRIPTION
RM701,702,RCW701,702,	055 ERJ6GEYJ221V	RESISTOR CHIP 220
RS701,702,706,707,708,709,	055 ERJ6GEYJ221V	RESISTOR CHIP 220
RS713,714,718,719,720,721,	055 ERJ6GEYJ221V	RESISTOR CHIP 220
RFL714,RFR714,RC713	055 ERJ6GEYJ273V	RESISTOR CHIP 27K
RF718,719,RC722,RSW726,	055 ERJ6GEYJ202V	RESISTOR CHIP 2K
RSW709	055 ERJ6GEYJ392V	RESISTOR CHIP 3.9K
RFL712,RFR712,RC711	055 ERJ6GEYJ393V	RESISTOR CHIP 39K
RC704,716	055 ERJ6GEYJ472V	RESISTOR CHIP 4.7K
RFL704,RFR704	055 ERJ6GEYJ472V	RESISTOR CHIP 4.7K
RFL705,717,RFR705,717,	055 ERJ6GEYJ472V	RESISTOR CHIP 4.7K
RSL704,716,RSR704,716,	055 ERJ6GEYJ472V	RESISTOR CHIP 4.7K
RFL710,RFR710,RC709	055 ERJ6GEYJ474V	RESISTOR CHIP 470K
RFL715,RFR715,RC714	055 ERJ6GEYJ562V	RESISTOR CHIP 5.6K
RFL713,RFR713,RC712	055 ERJ6GEYJ564V	RESISTOR CHIP 560K
RF720,721,722,723	055 ERJ6GEYJ821V	RESISTOR CHIP 820
RSW721	055 ERJ6GEYJ821V	RESISTOR CHIP 820
RFL711,RFR711,RC710	055 ERJ6GEYJ823V	RESISTOR CHIP 82K
RSW708	055 ERJ6GEYJ912V	RESISTOR CHIP 9.1K
QC701,QSW701	032 KRA107S	TRANSISTOR
QC703,QSW702,703,QF702,	032 KRC231S	TRANSISTOR
QF701,QS701,QSS701,	032 KRA107S	TRANSISTOR
QF703,705,QS702,QSS702	032 KRC231S	TRANSISTOR
QFL701,QFR701,QSL701,QSL702,	032 KRC231S	TRANSISTOR
QSR701,702,QC702,QSW702	032 KRC231S	TRANSISTOR
OTHERS		
	011 FP-551C-B	BLACK PANEL ASSY
	011 FP-551C-S	SILVER PANEL ASSY
	011 UF3-01B00	H/S PANEL H150
	012 C-4711A03	KNOB 43Φ NO MARK (BLACK)
	012 C-4711A03S	KNOB 43Φ NO MARK (SILVER)
	012 RV4-09A00	PUSH BUTTON 14Φ (BLACK)
	012 RV4-09A01	PUSH BUTTON 14Φ (SILVER)
	012 TB3-18A00	TACT BUTTON 16 KEY (BLACK)
	012 TB3-18A01	TACT BUTTON 16 KEY (SILVER)
	014 UF3-06A00	UPPER COVER
	019 4TSH-19#2	PLASTIC FOOT 50Φ
	019 C-4714A00	POWER KNOB RING 14Φ (BLACK)
	019 C-4714A01	POWER KNOB RING 14Φ (SILVER)
	034 SEL1124R	LED (RED) SEL1124R 1X5
	034 SEL1E24W	LED (BLU) SEL1E24W 1X5
	069 C-4629A01	AC 2P INLET 6102.3100 (WIRING)
	072 C-4621A01	AC CORD SET SJT AWG16/2C for USA
	072 C-4622A01	AC CORD SET for AUSTRALIA
	072 C-4623A01	AC CORD SET for U.K
	072 C-4624A01	AC CORD SET for EUROPE
	072 C-4786A00	COMPUTER I/O CABLE (UPGRADE CABLE)
	081 UF3-09A00	INSIDE CARTON
	081 UF3-10A00	SHIPPING CARTON
	081 Z-208	STYROL MOULDING
	092 RR-969	REMOTE CONTROL UNIT
	082 OMRSX-1055	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 +/- 50kHz 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).
(recommend 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 >

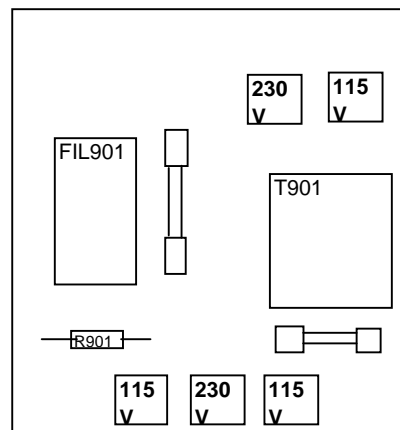
FOR 01 VERSION (USA)

- 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

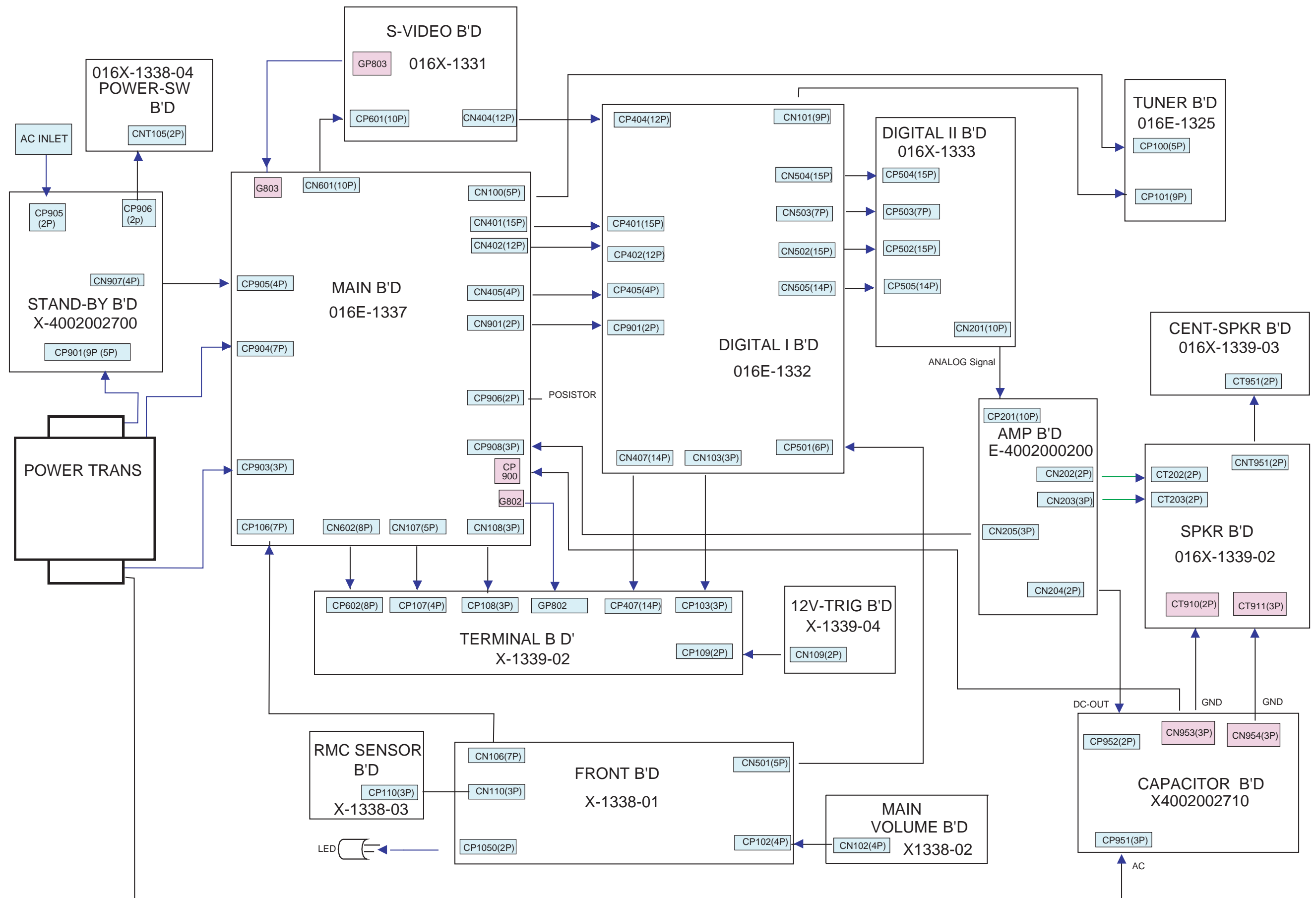
*Note : This procedure is made by translation of Windows 98 version. So some of menu or option name may not be matched with some versions of Windows 98.

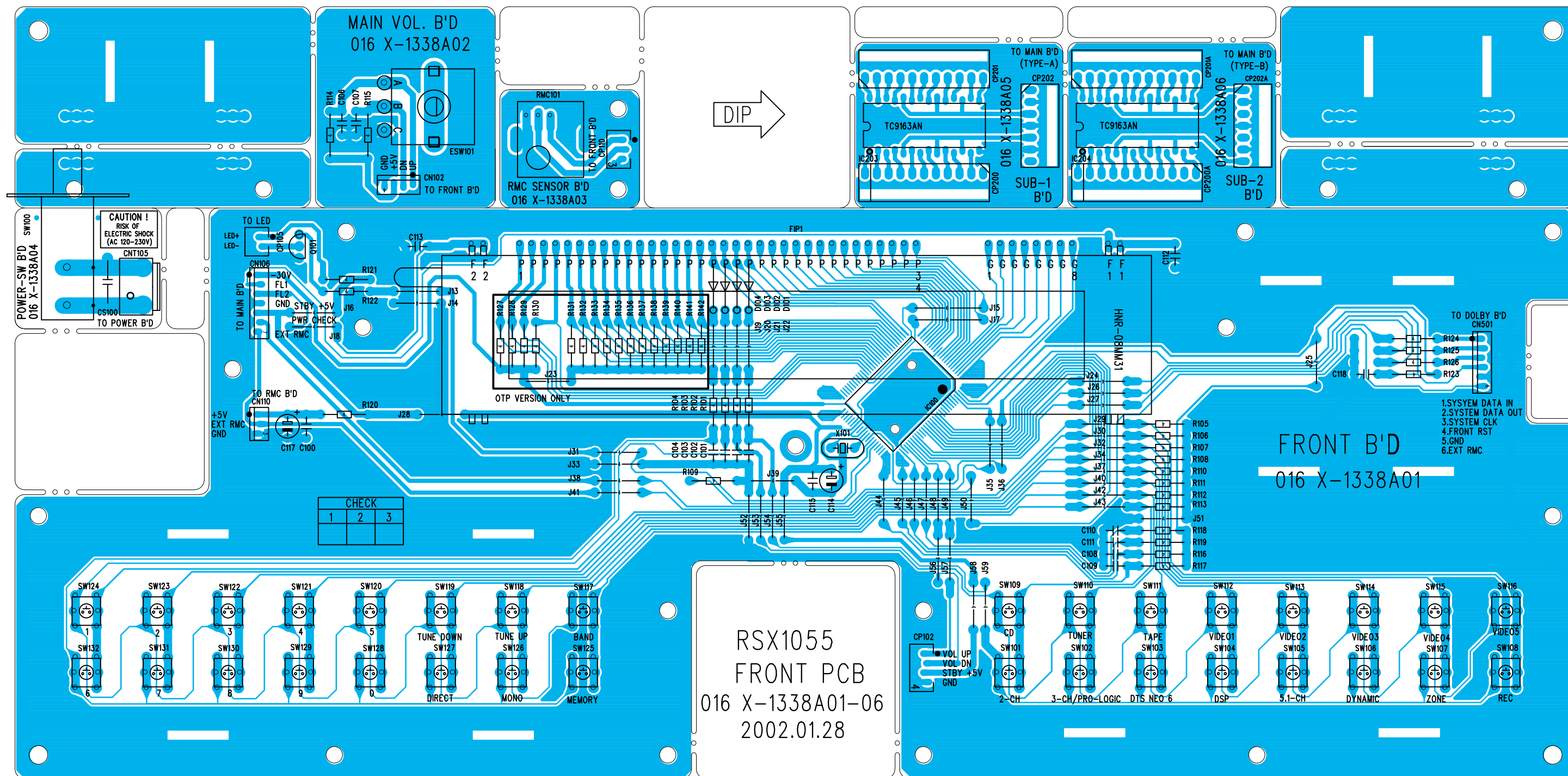
First of all, User should have the new software file (ROTEL supply) before proceeding the software up-grade process.

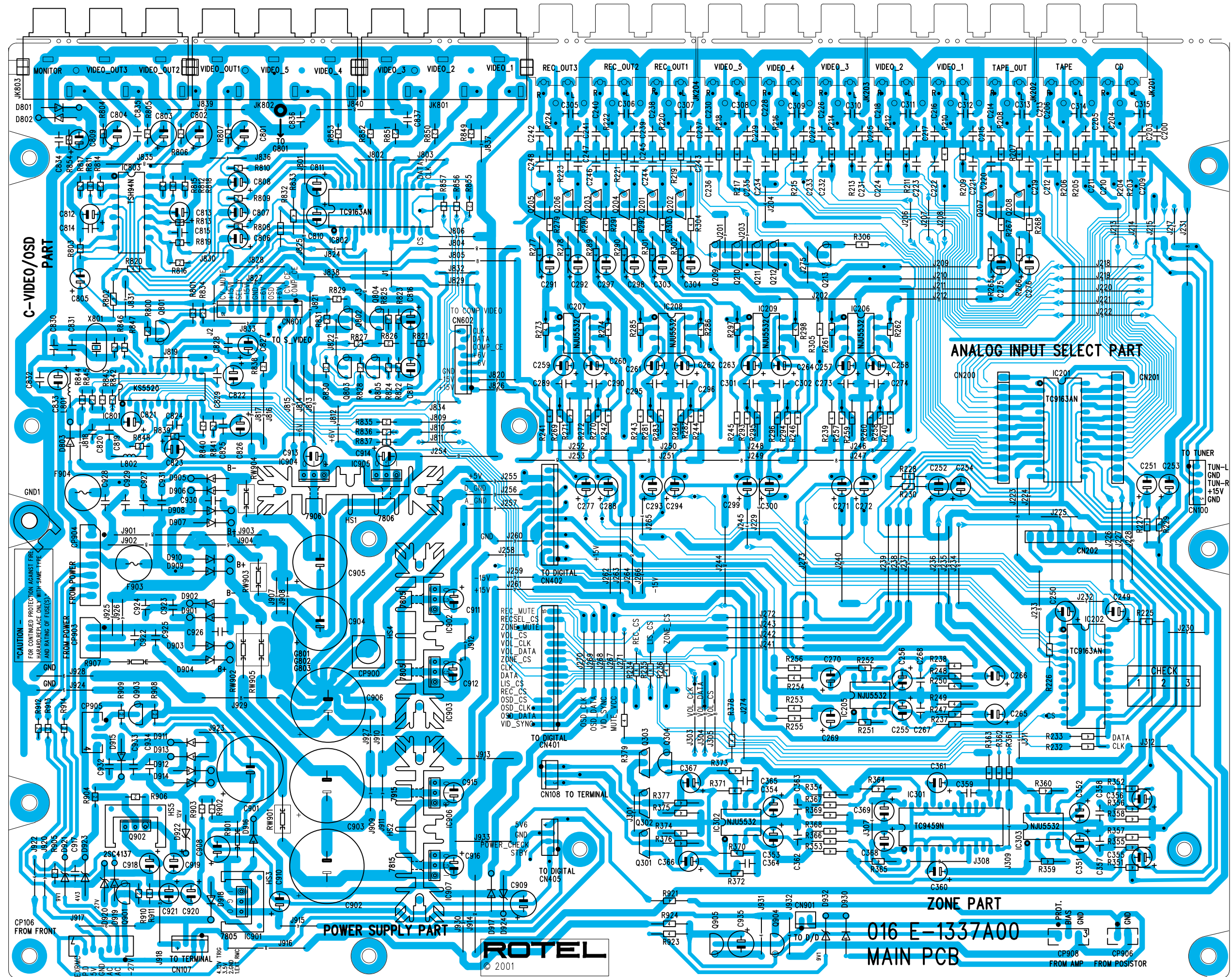
1. Power RSX-1055 off.
2. Remove all of connections between RSX-1055 and other equipments.
3. Connect RSX-1055 and PC with RJ45/DB9 cable. RJ45 jack should be connected to COMOUTER I/O port in RSX-1055 rear panel. DB9 jack will be connected to PC serial port (ex. COM1 or COM2,,).
4. Switch down the SOFTWARE 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





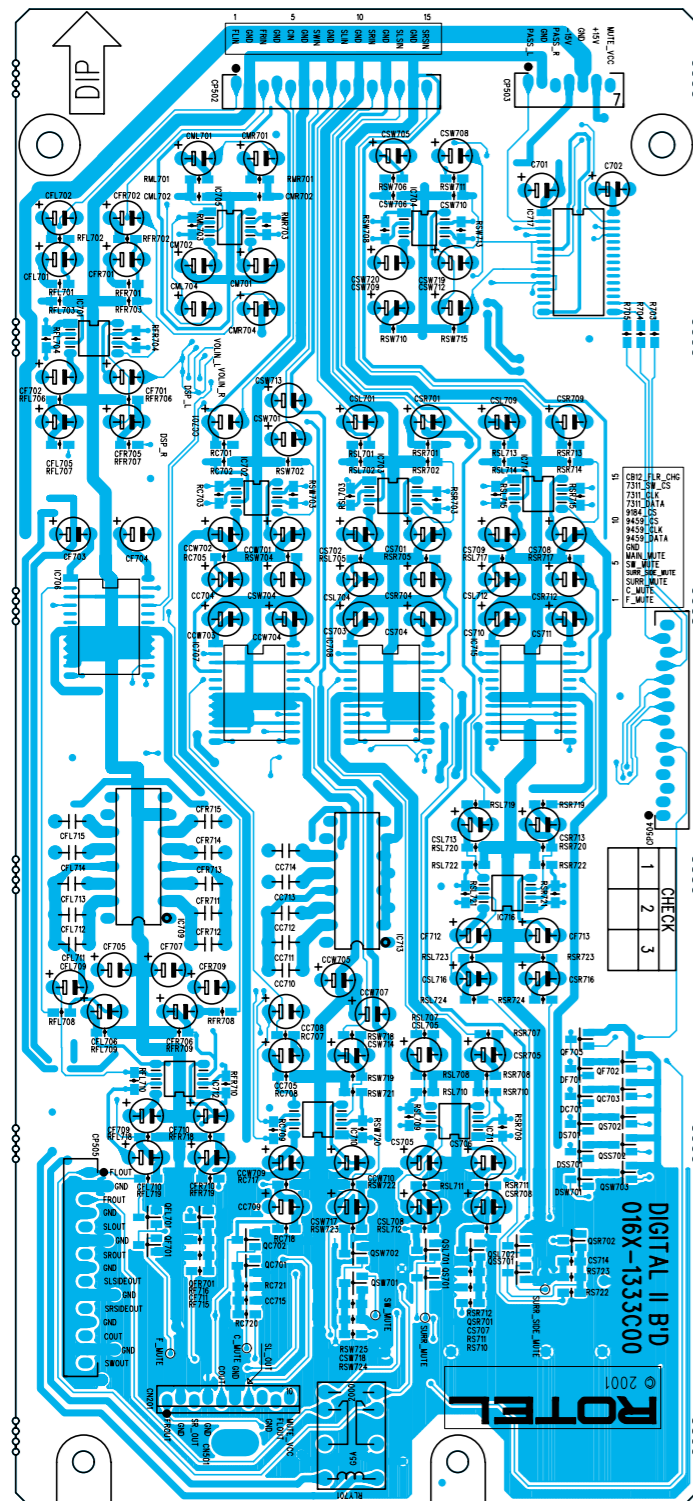


ROTEL © 2001

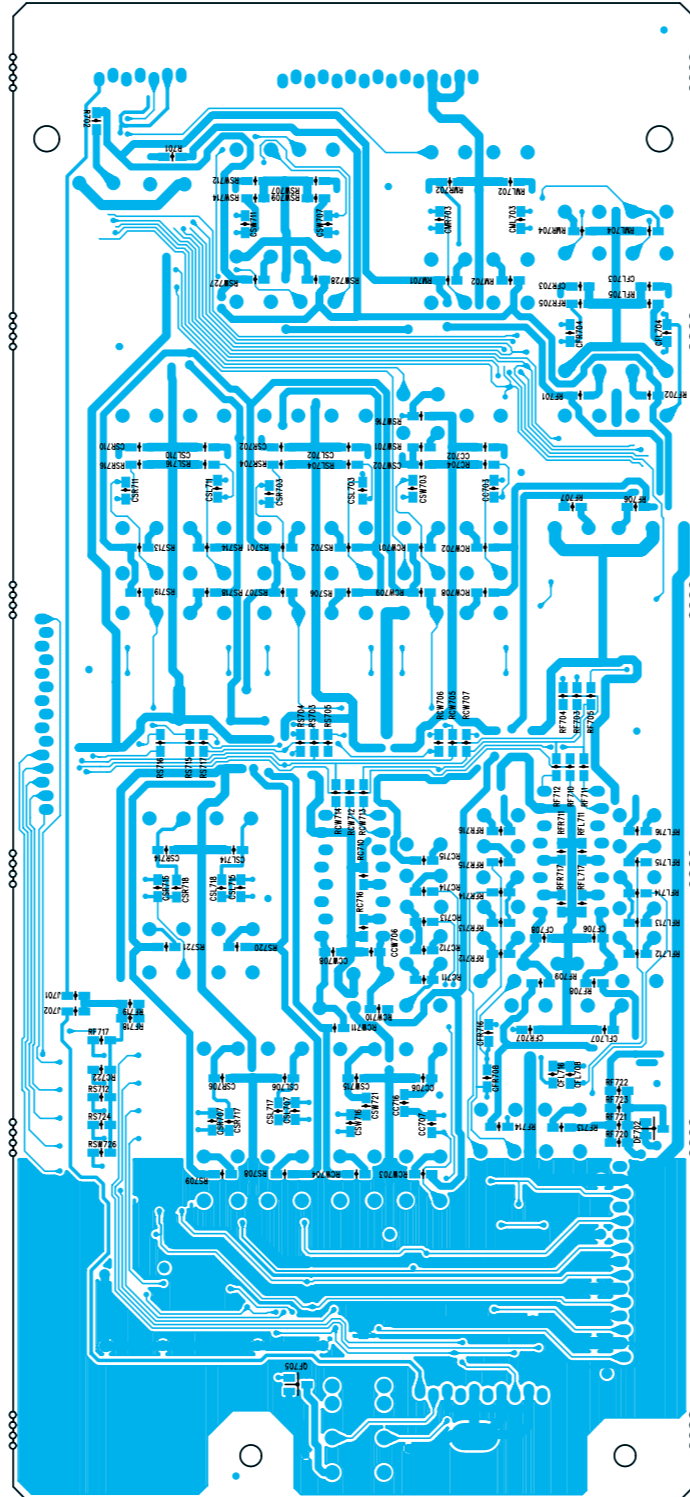
016 E-1337A00
MAIN PCB

DIGITAL 2 PCB 016E-1333C00

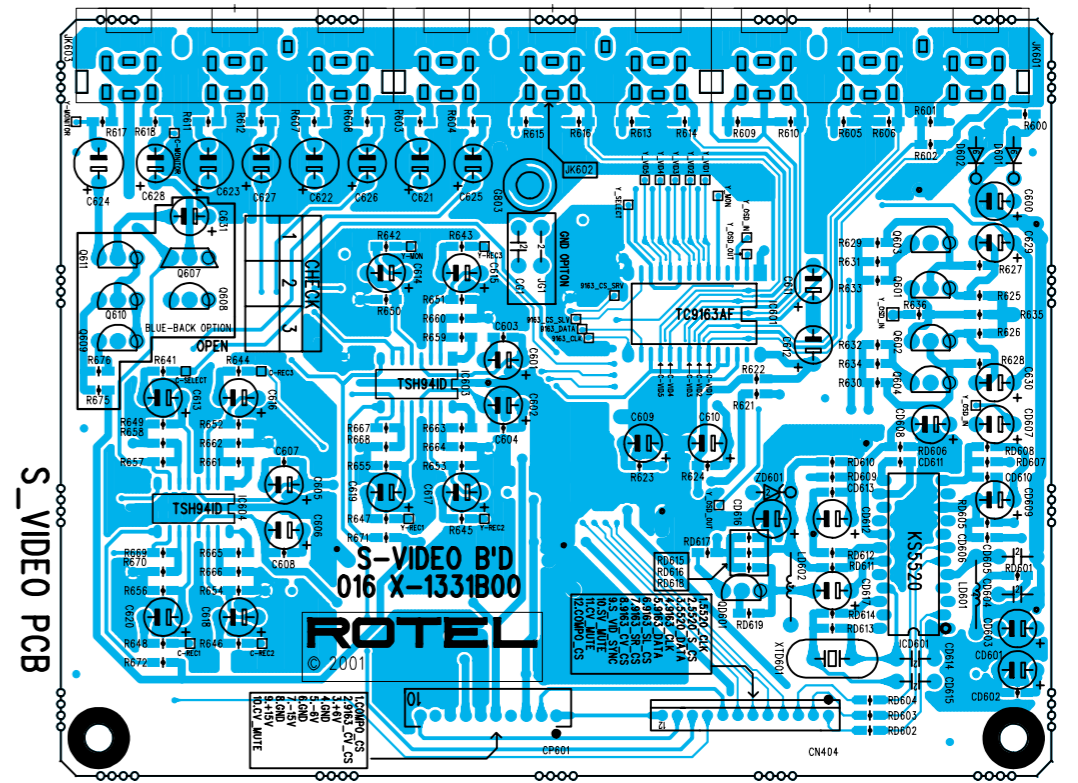
Top Side View



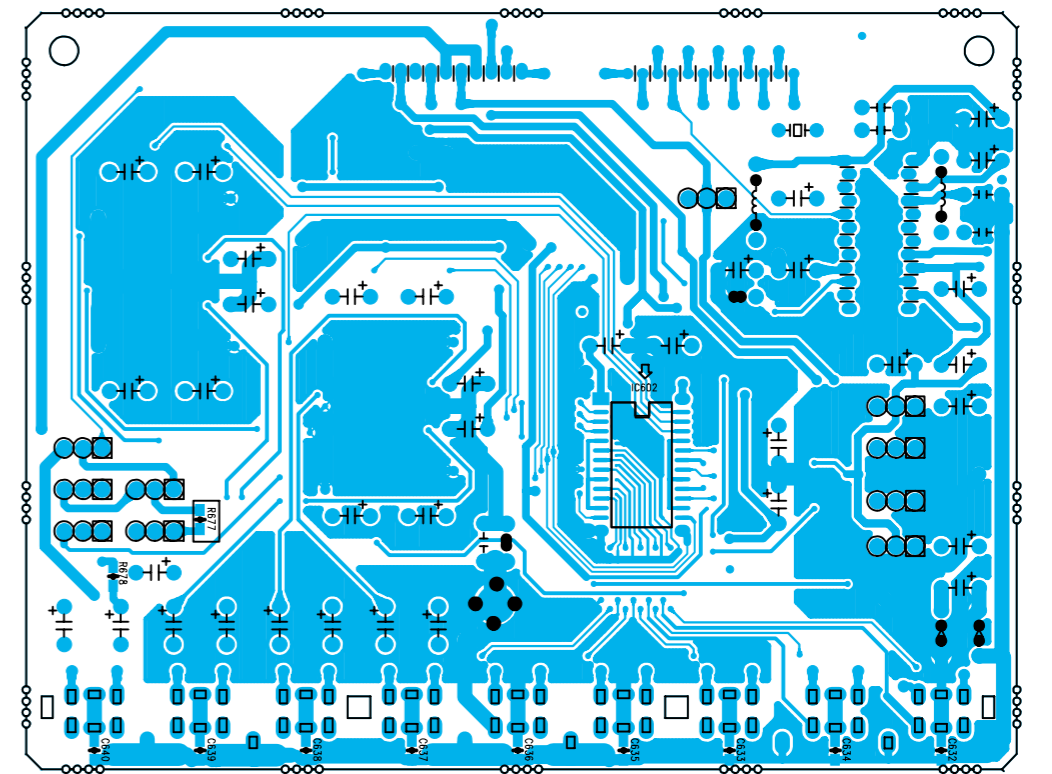
Bottom Side View

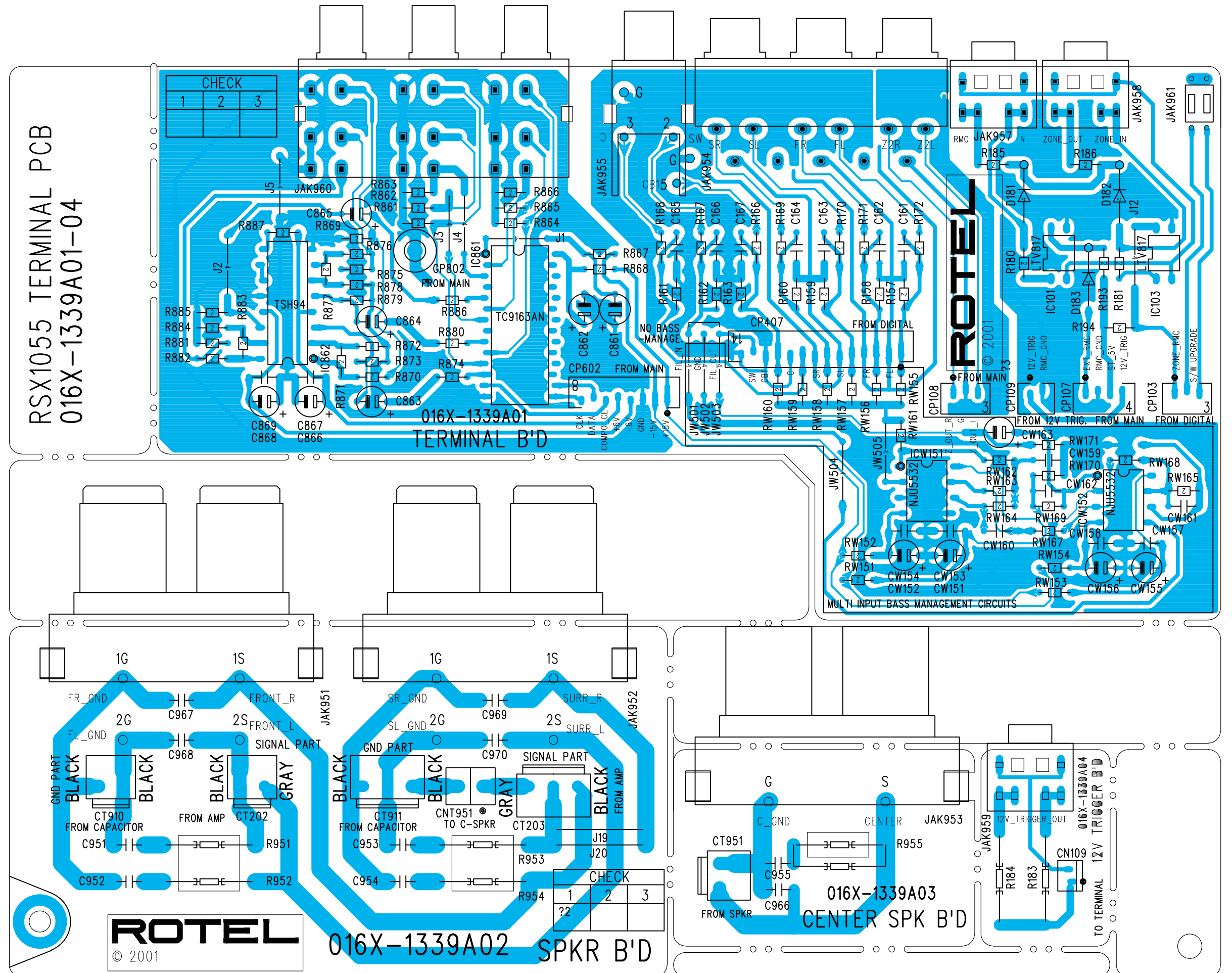


S-Video PCB 016 X-1331B00
Top Side View

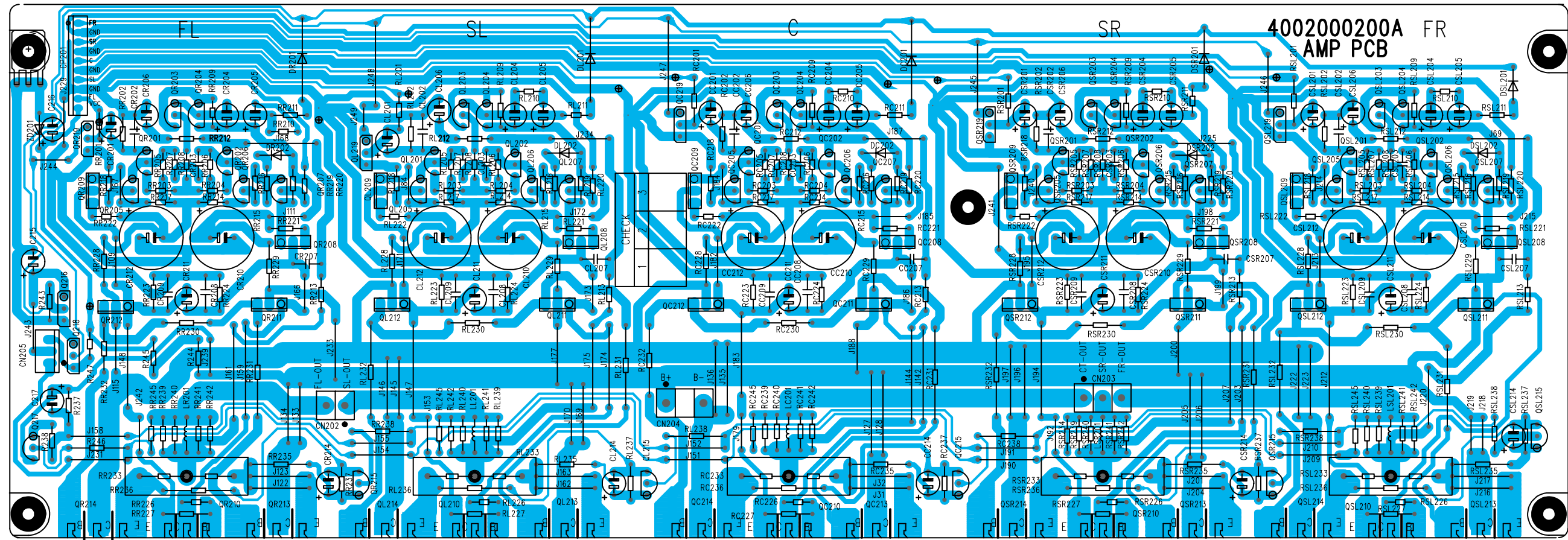


Bottom Side View

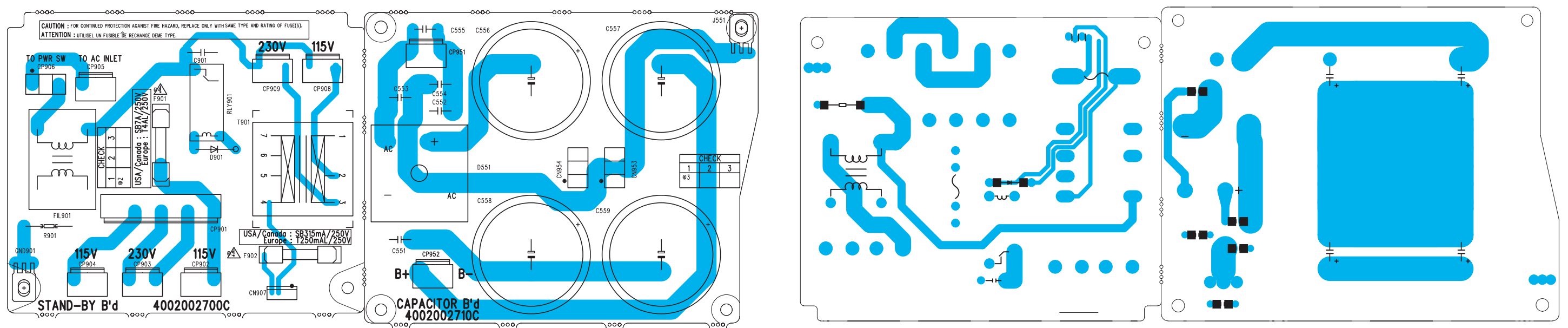




POWER AMP PCB 4002000200A



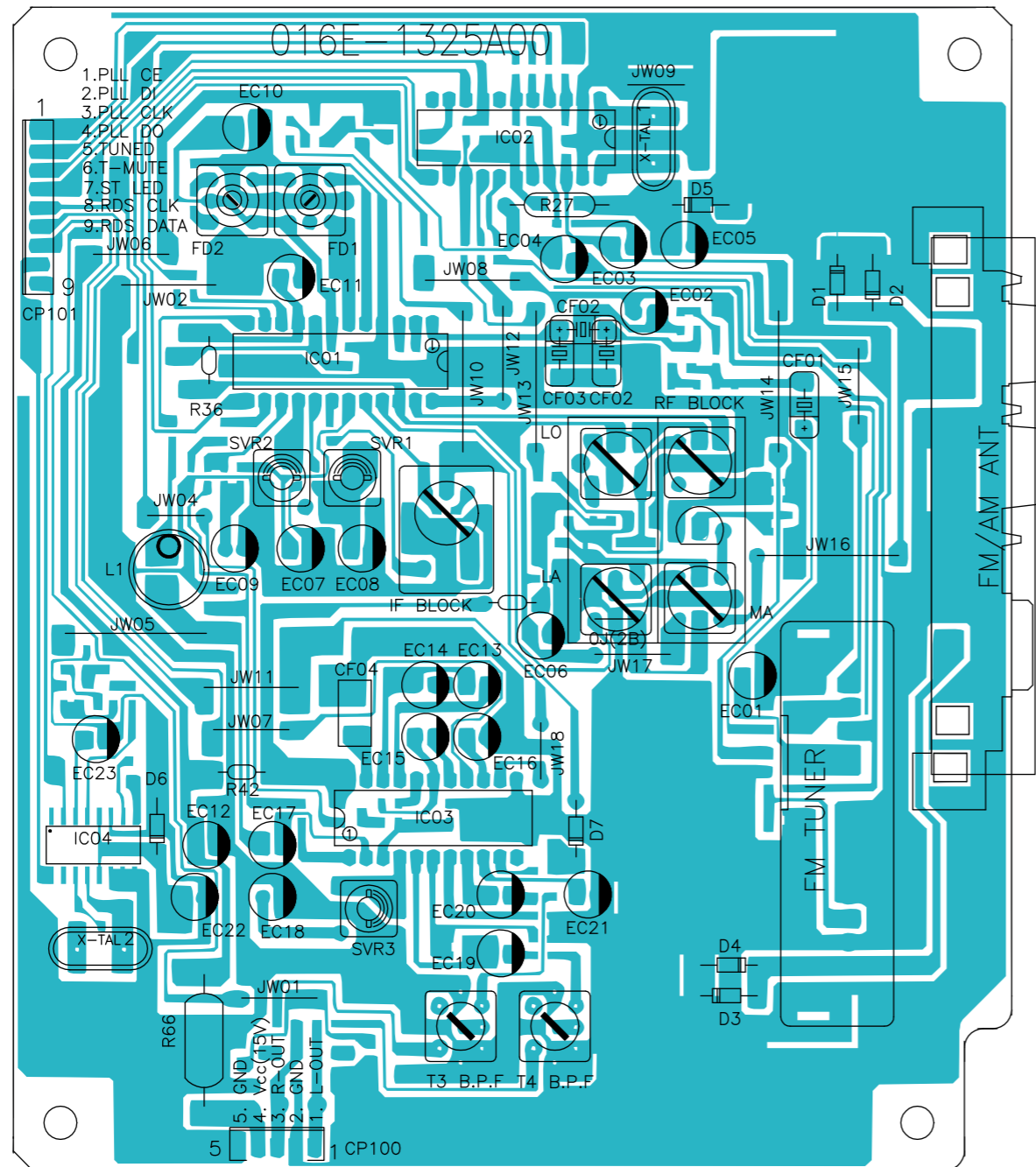
STANDBY PCB 4002002700-B CAPACITOR PCB 4002002710-B



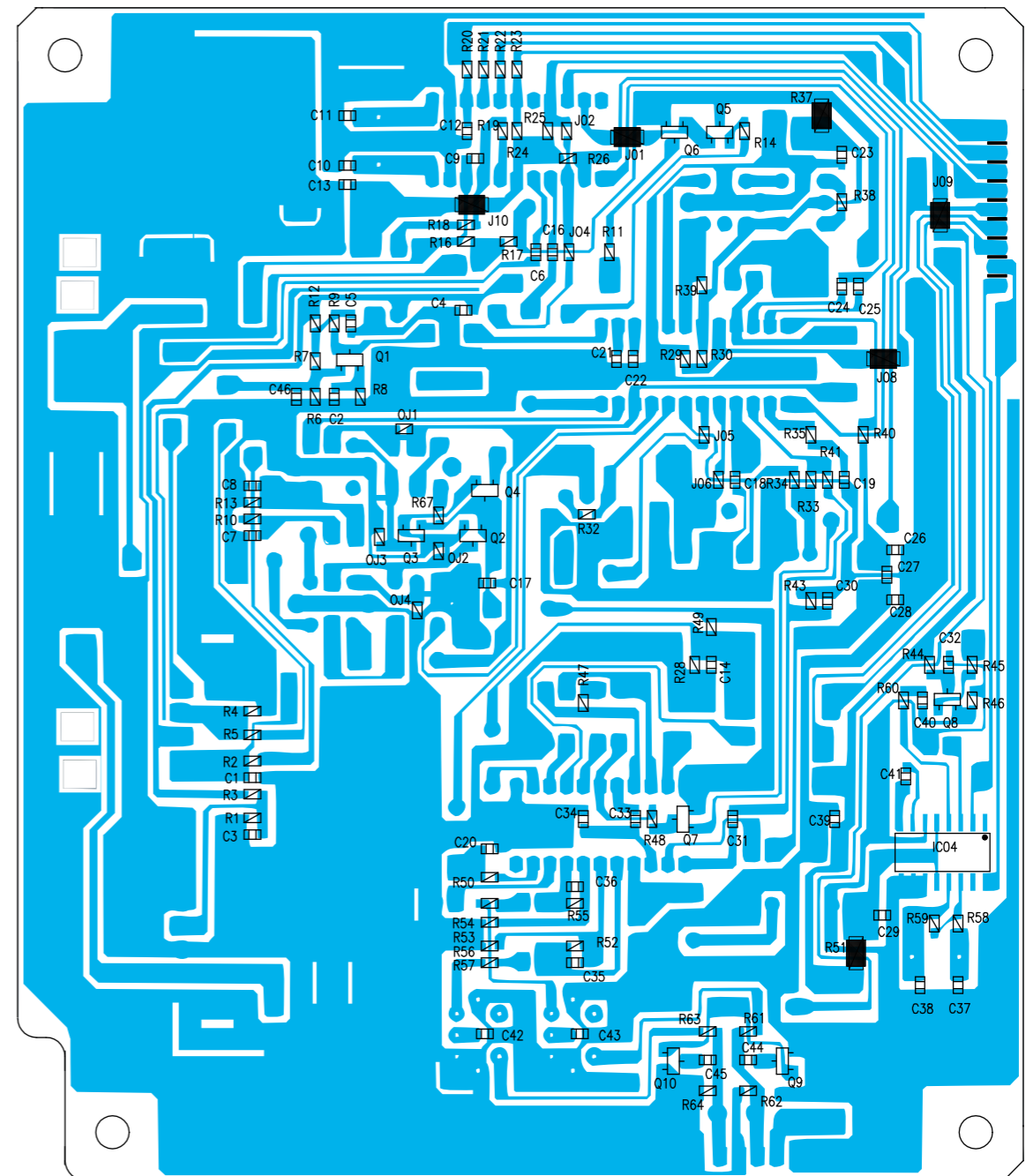
TOP VIEW

BOTTOM VIEW

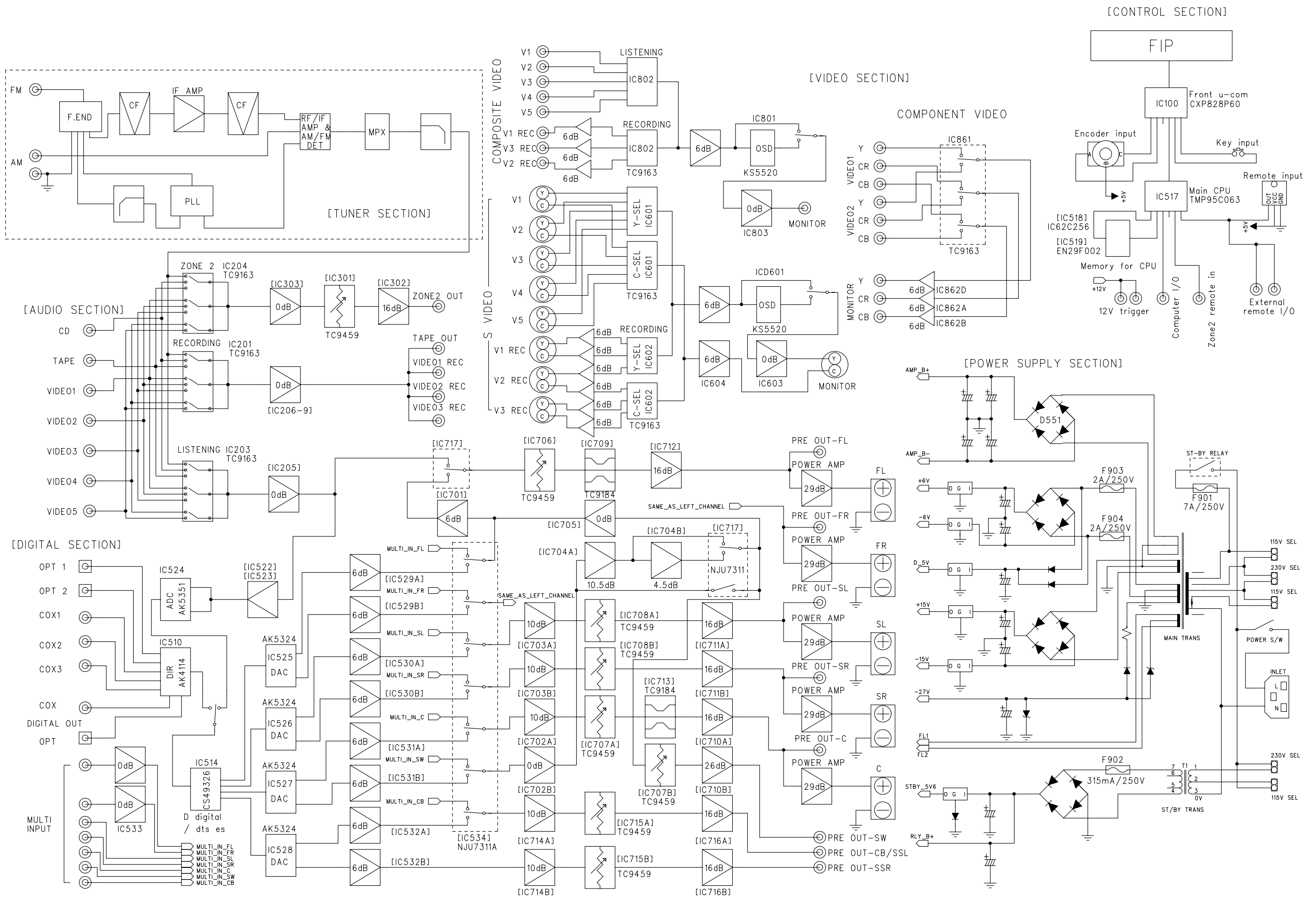
Tuner PCB 016 E-1325 Top Side View

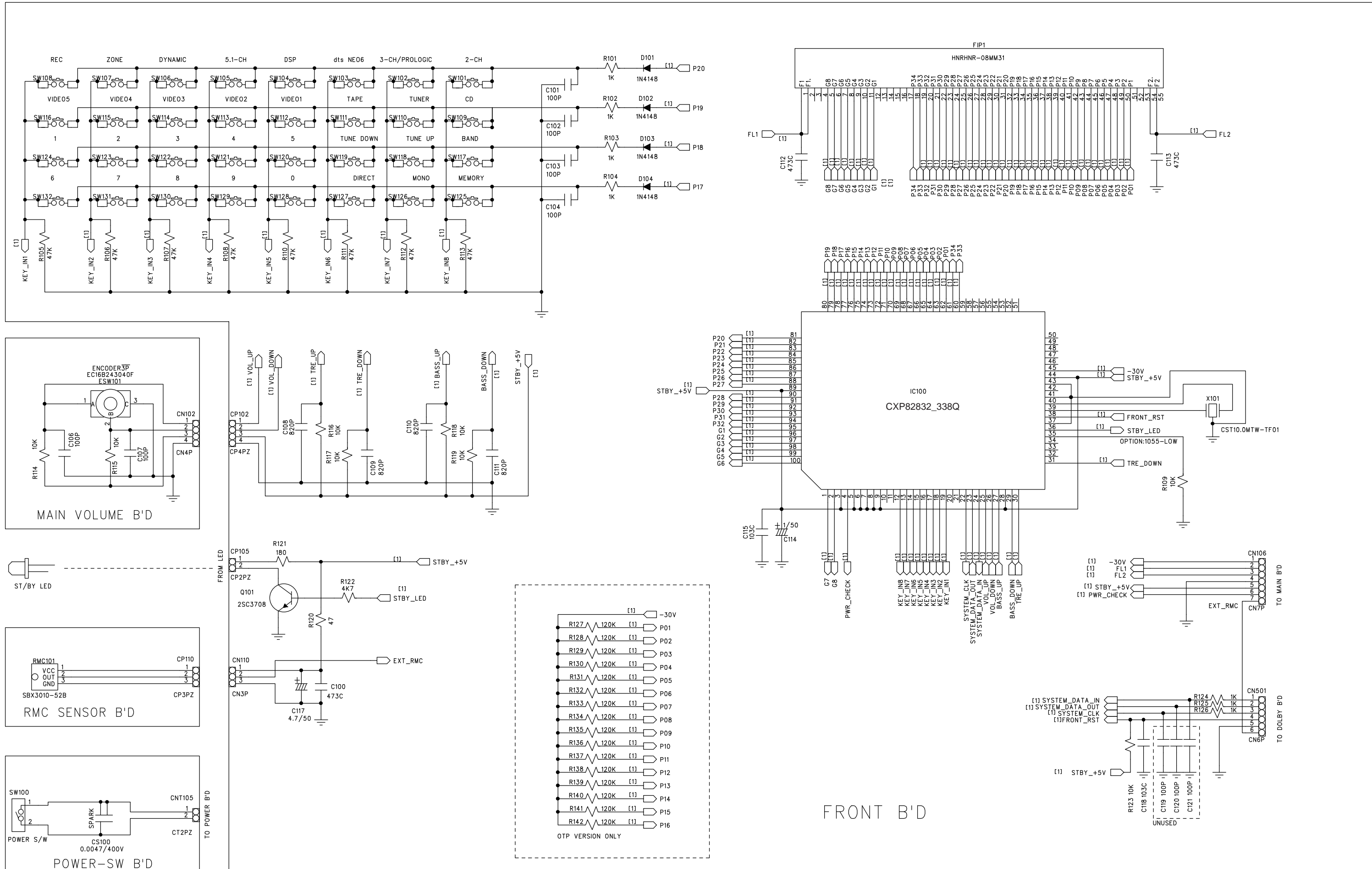


Tuner PCB Bottom View

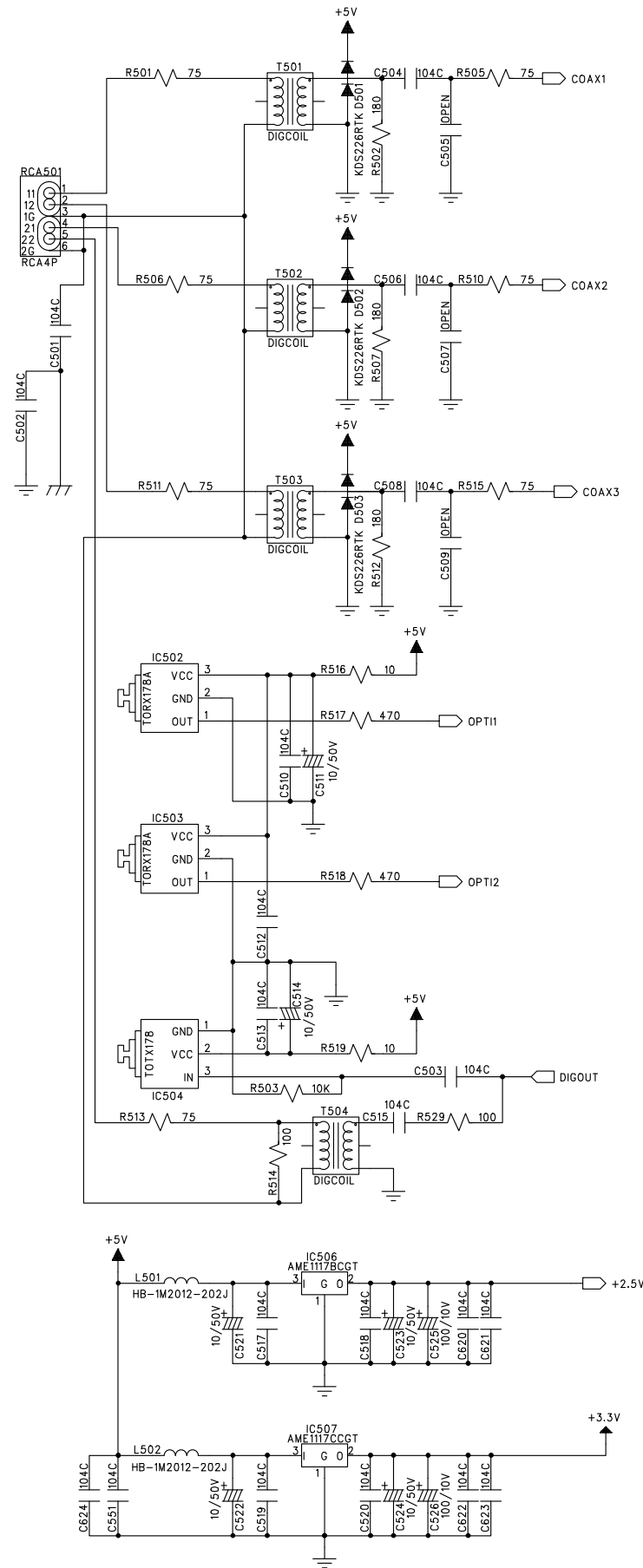


Block Diagram RSX-1055

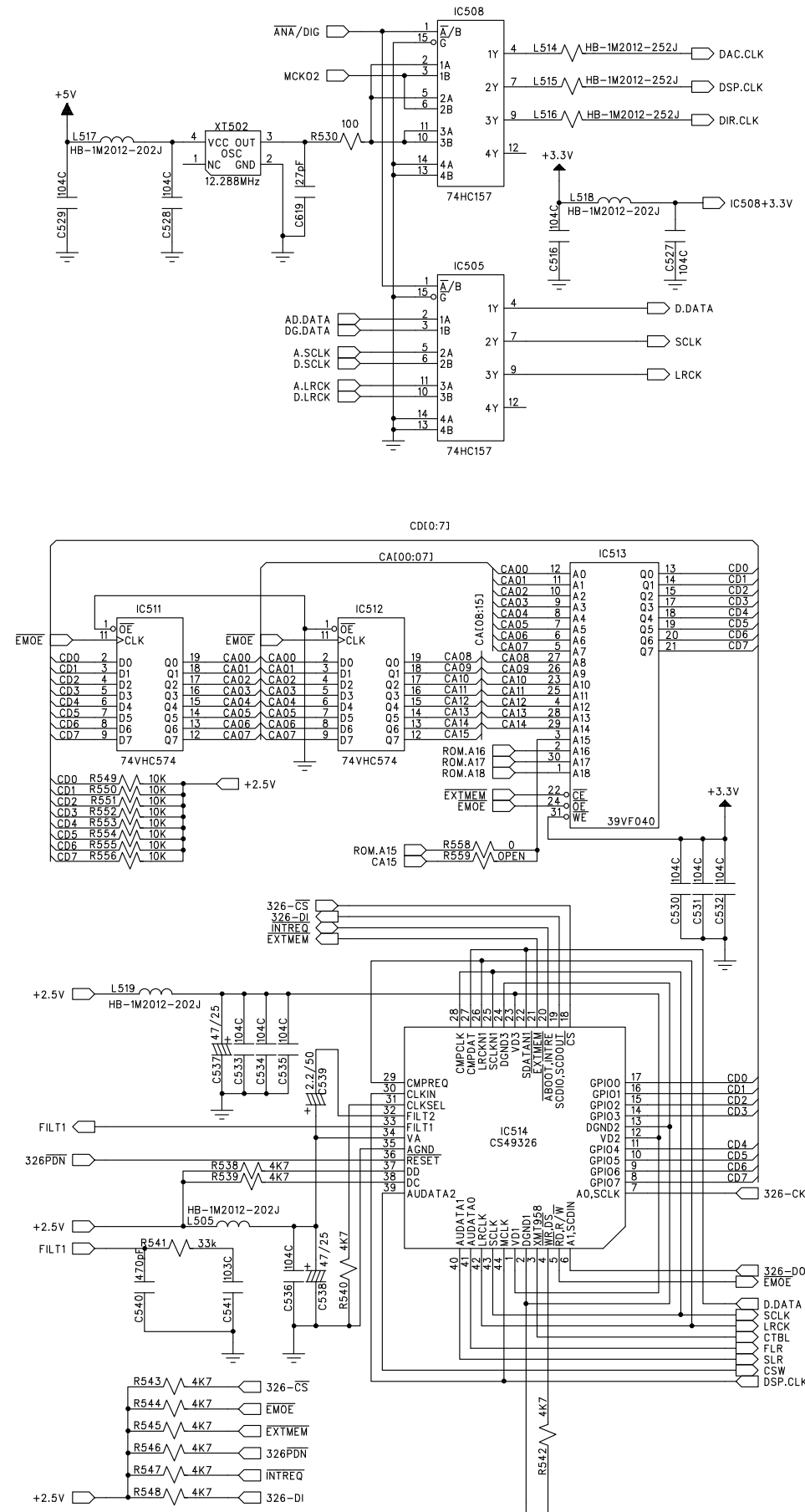




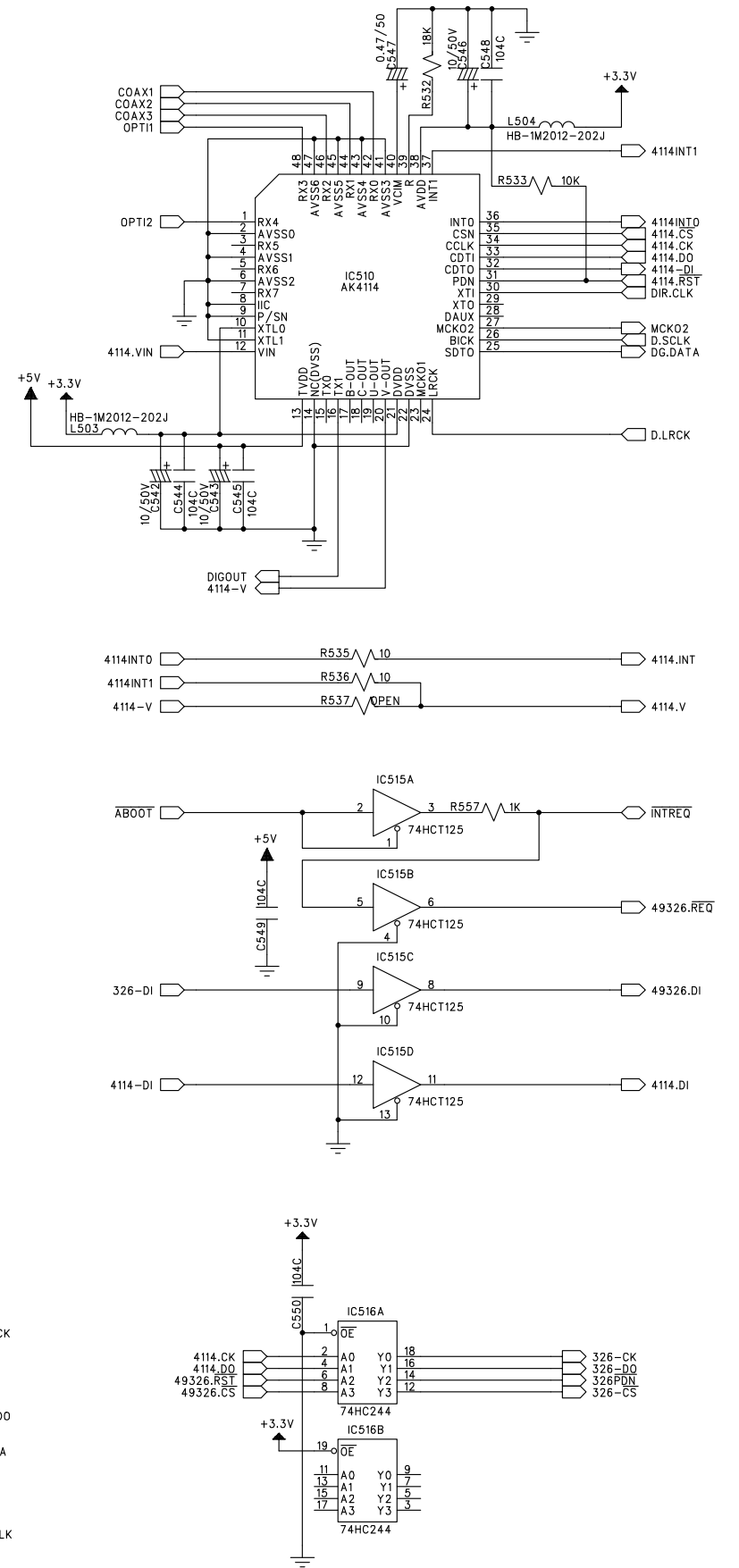
Schematic Diagram -2/13



Digital 1 Board (1/3)



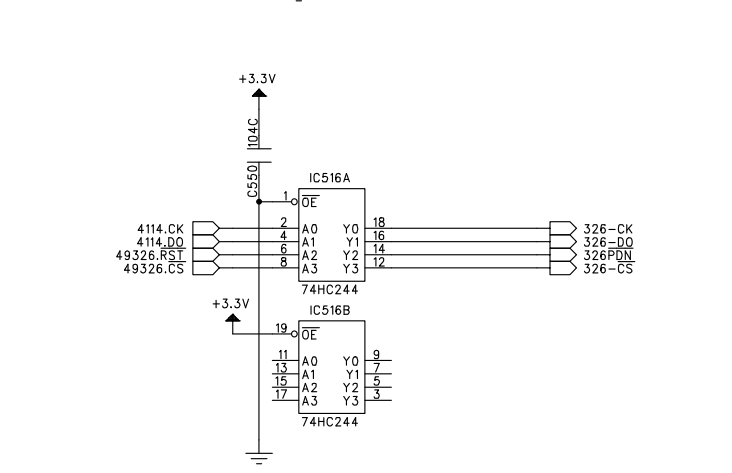
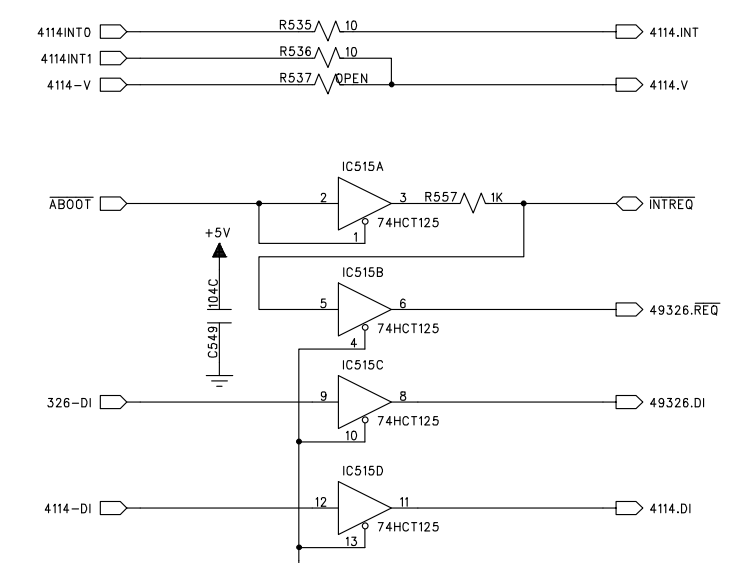
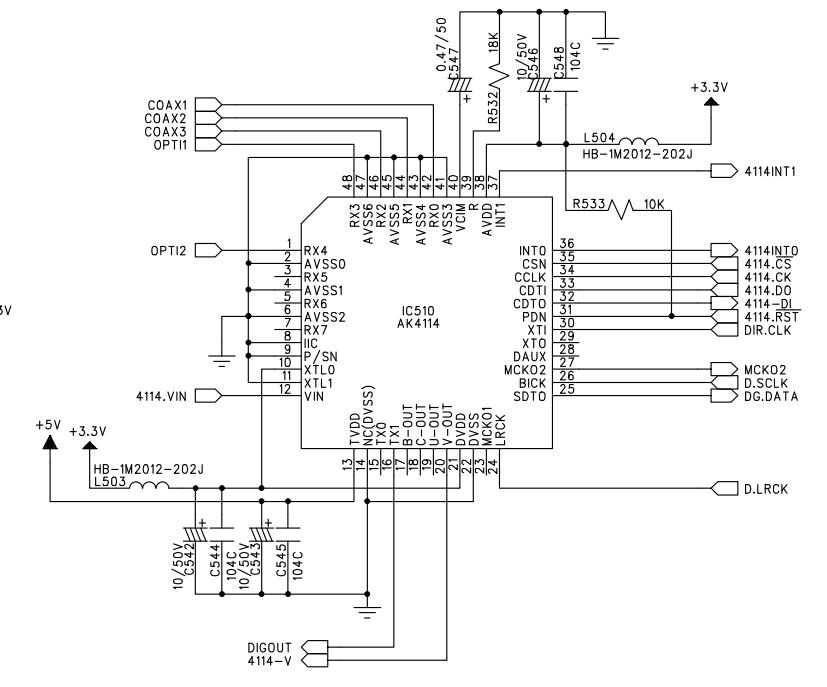
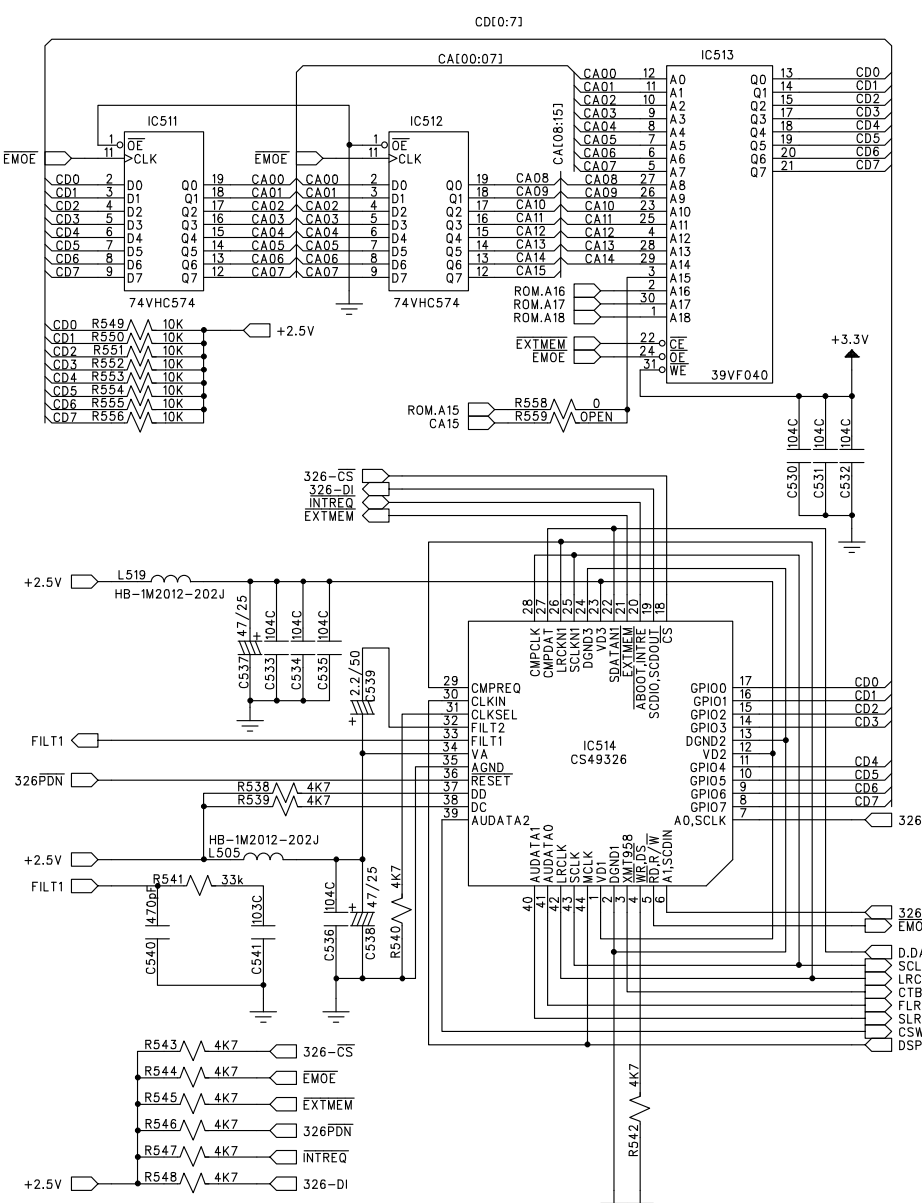
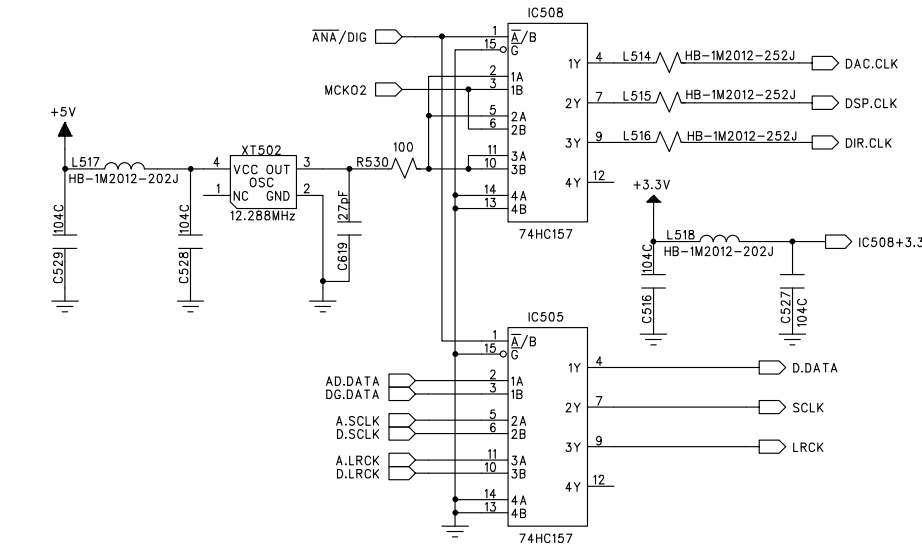
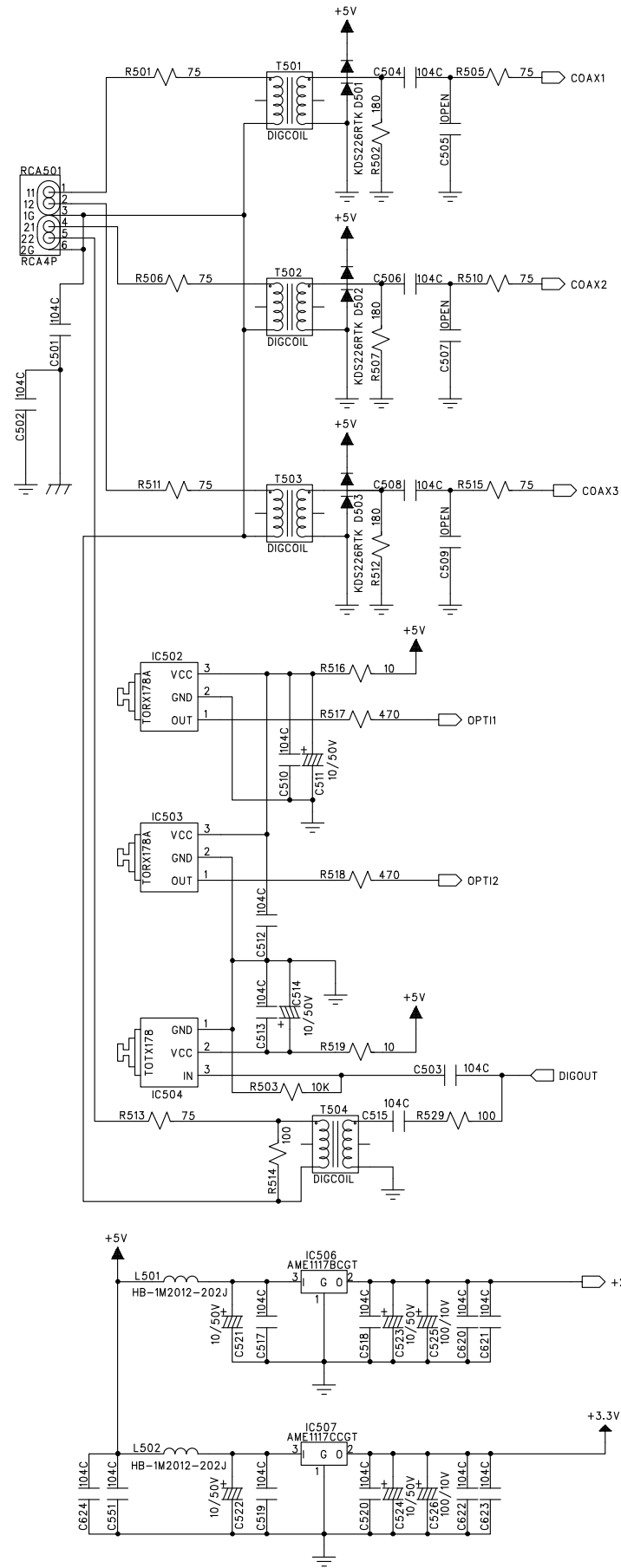
E-1332

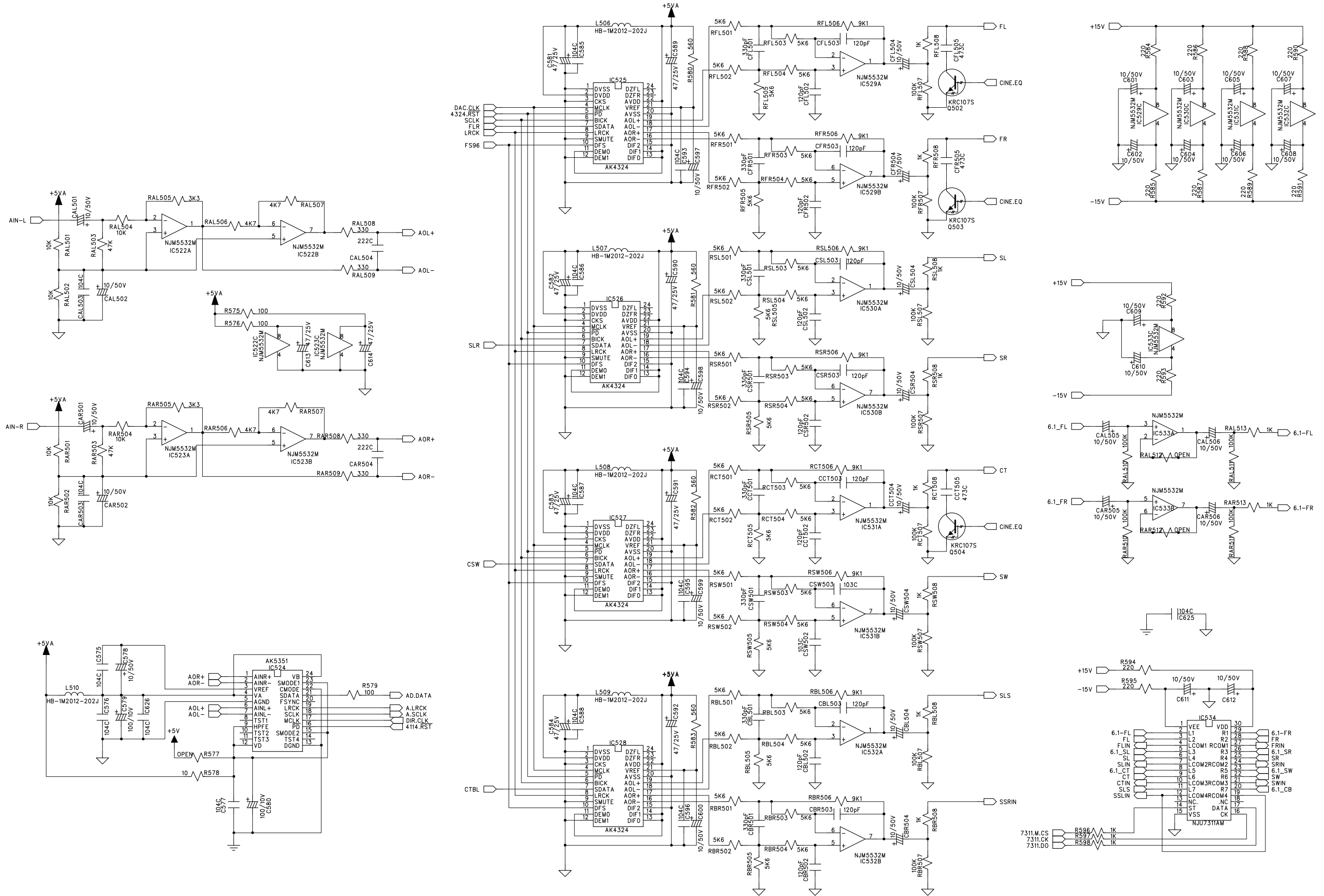


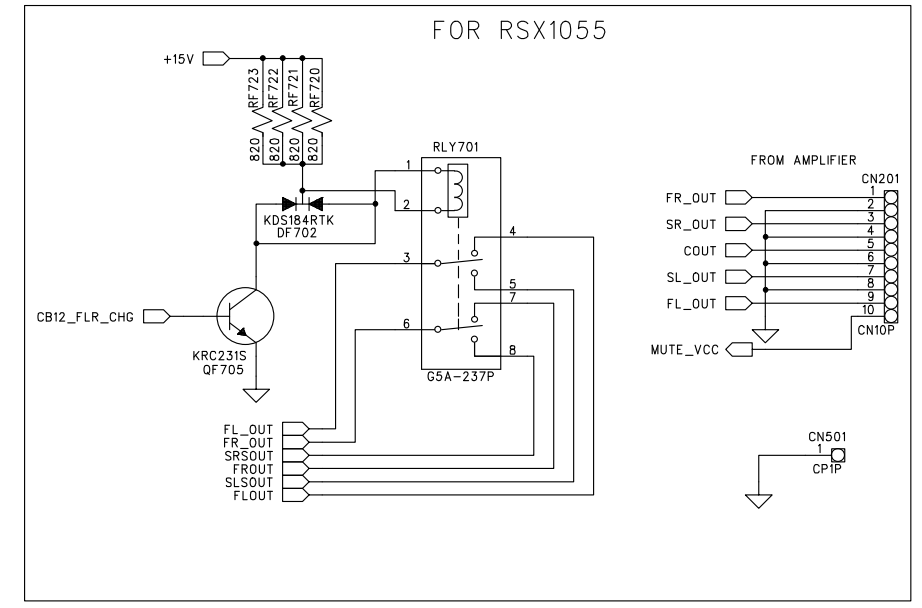
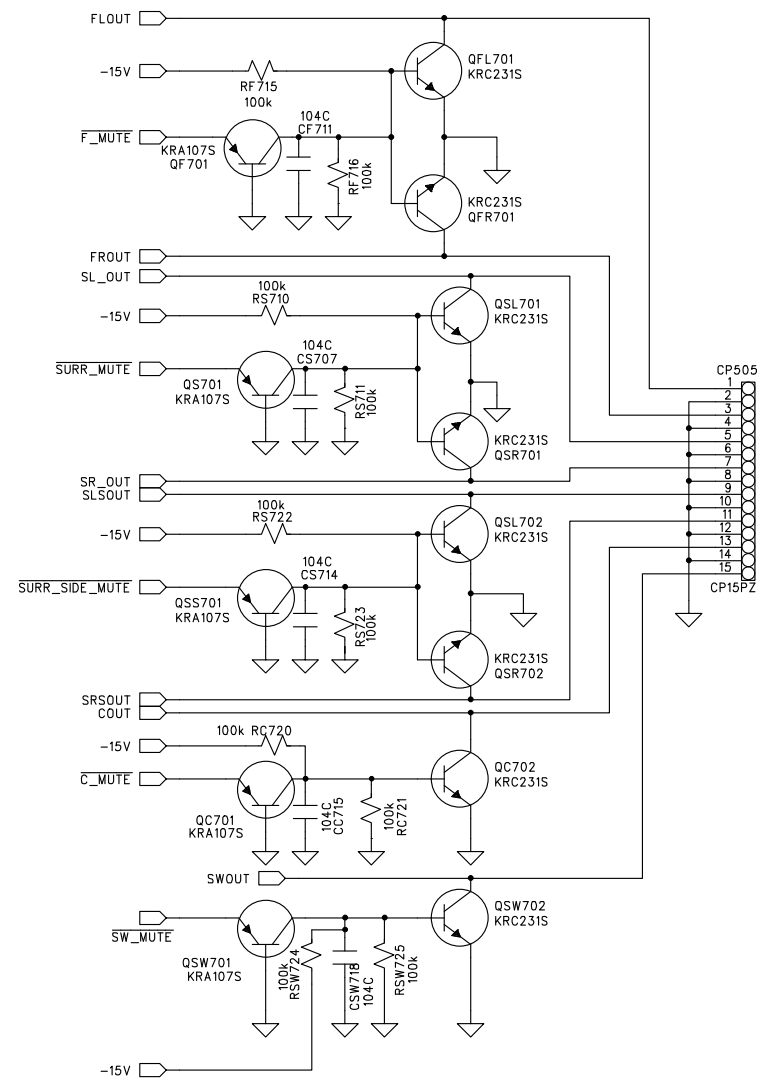
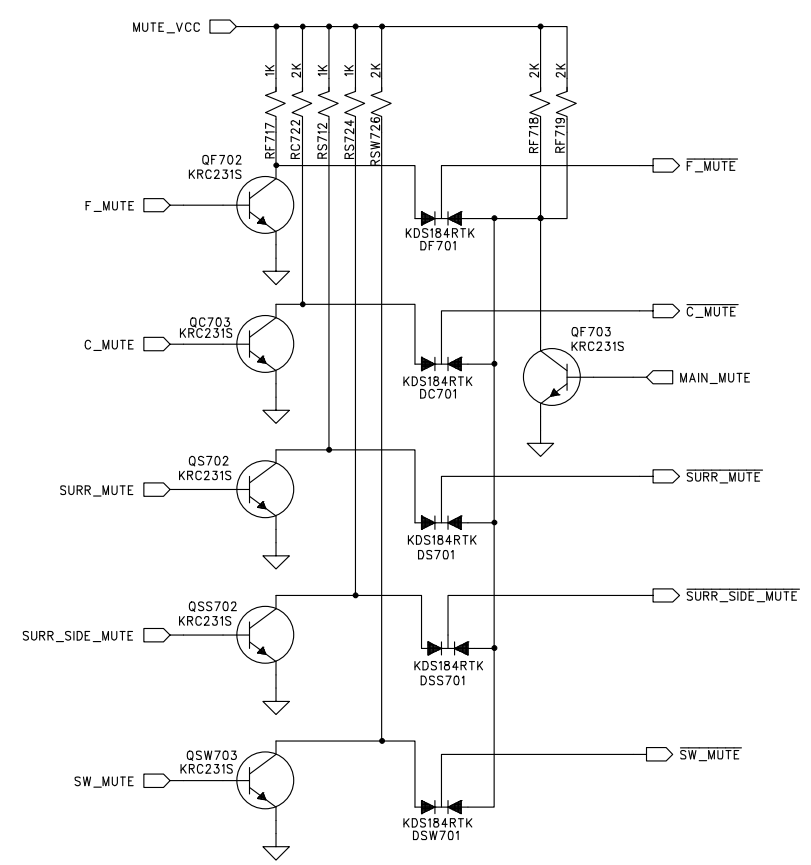
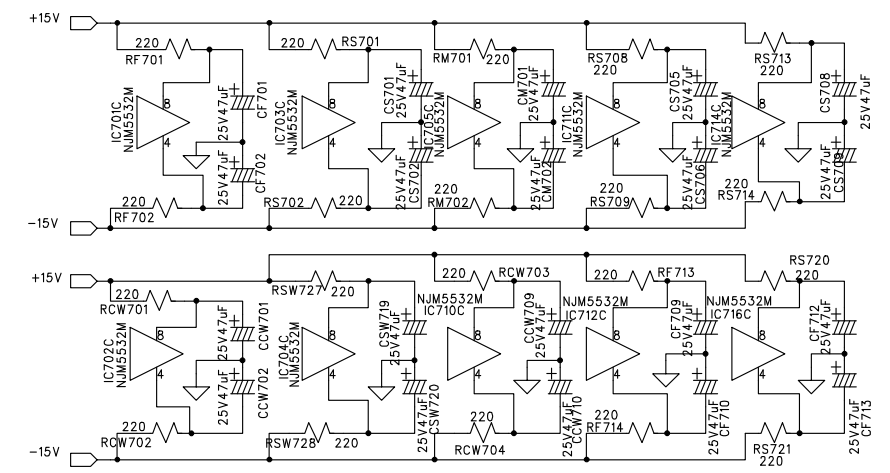
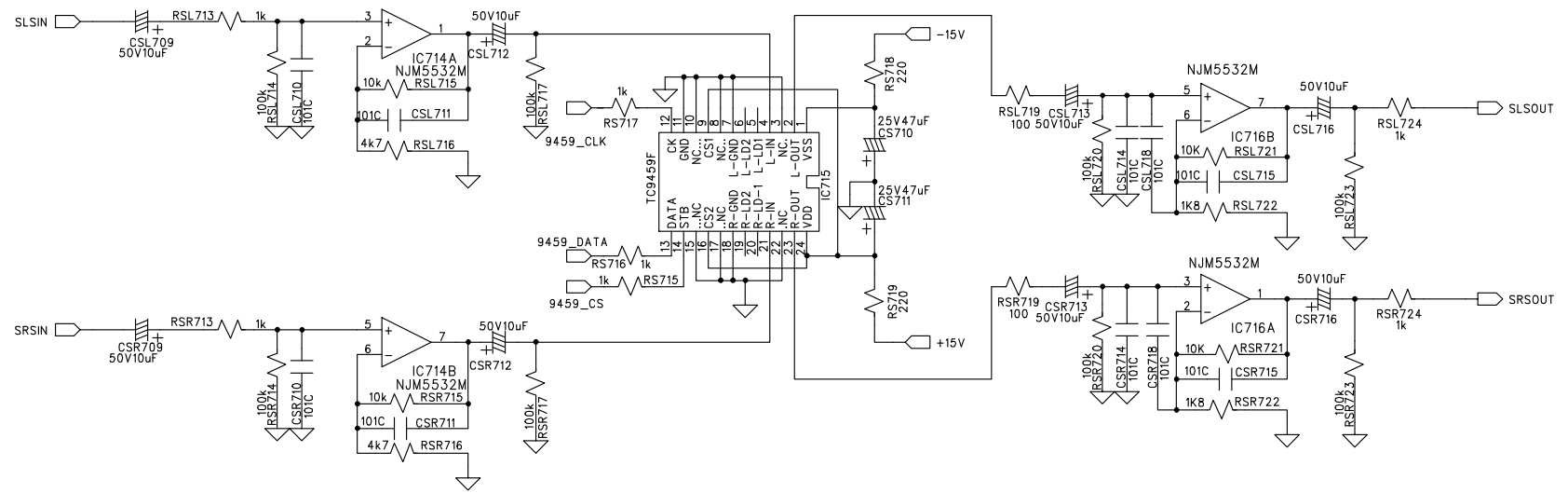
Schematic Diagram -3/13

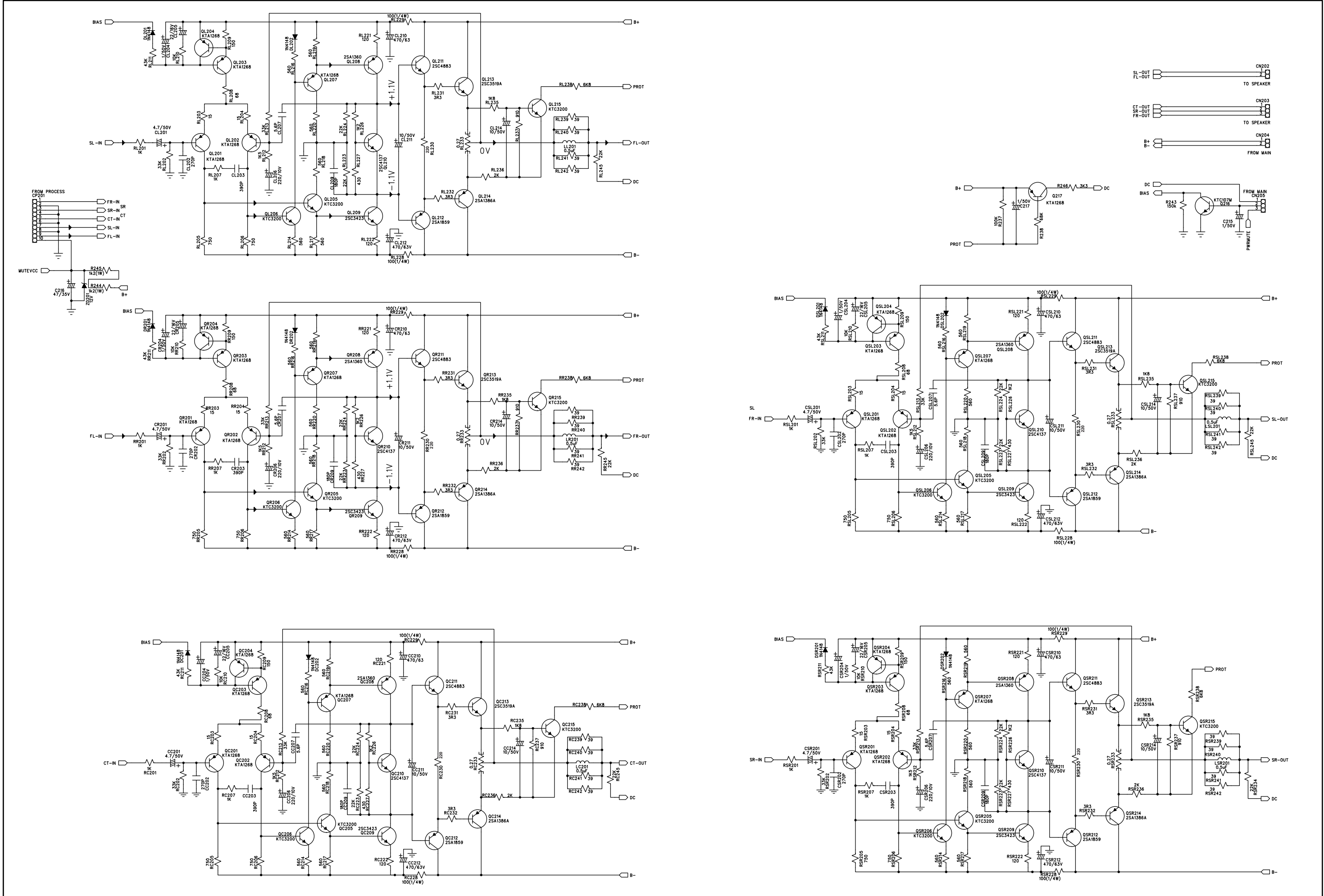
Digital 1 Board (2/3)

E-1332

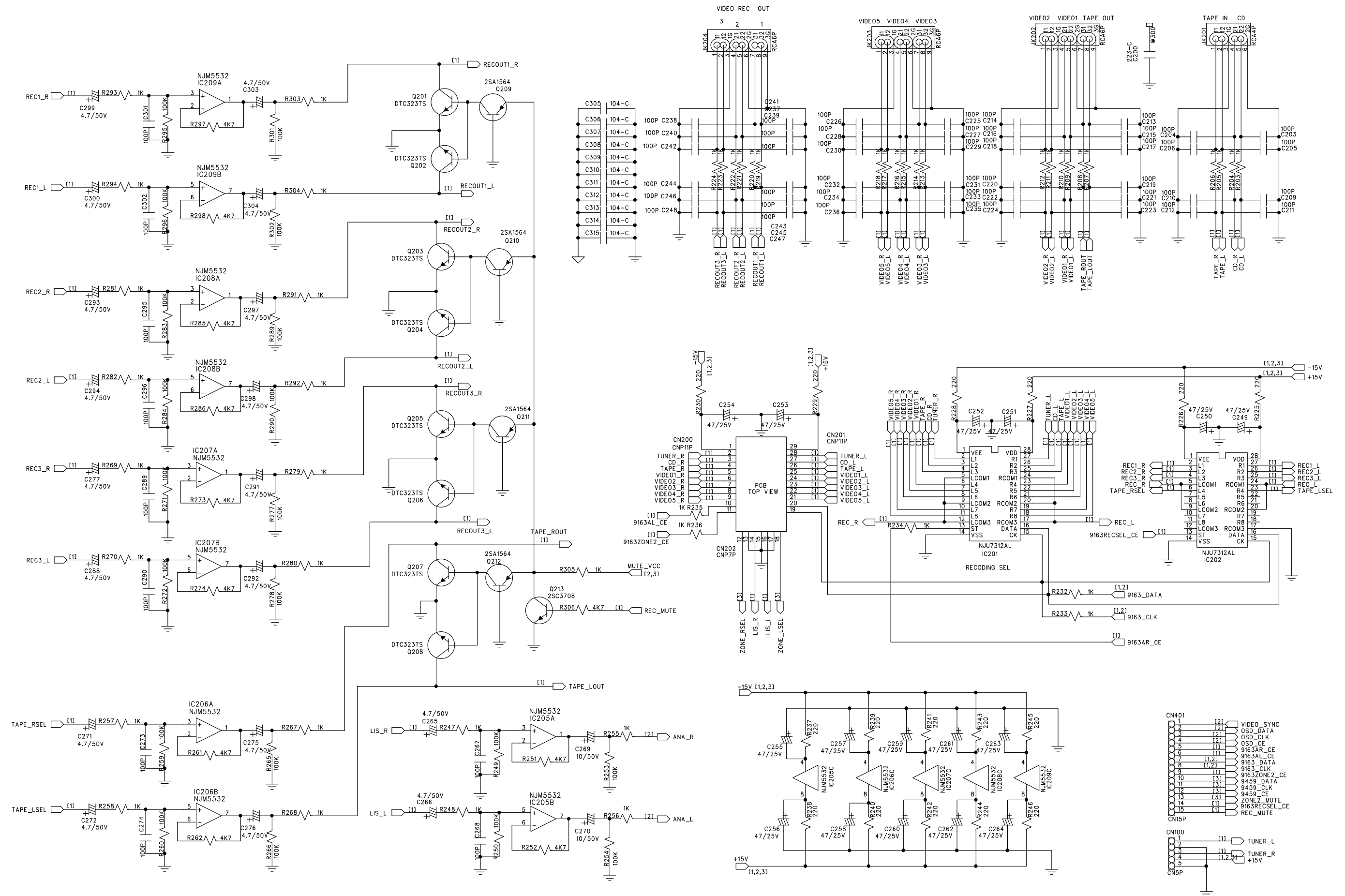




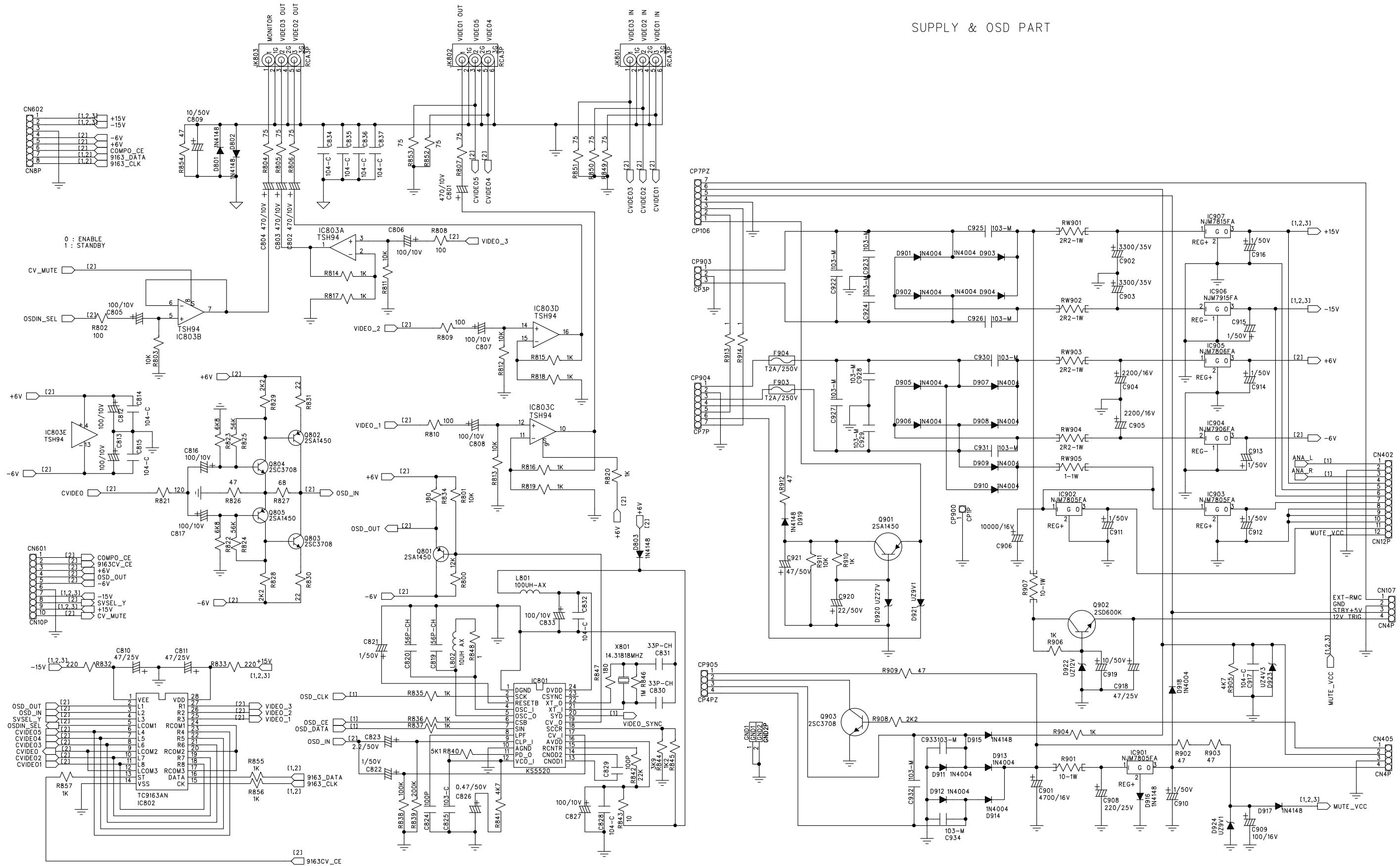


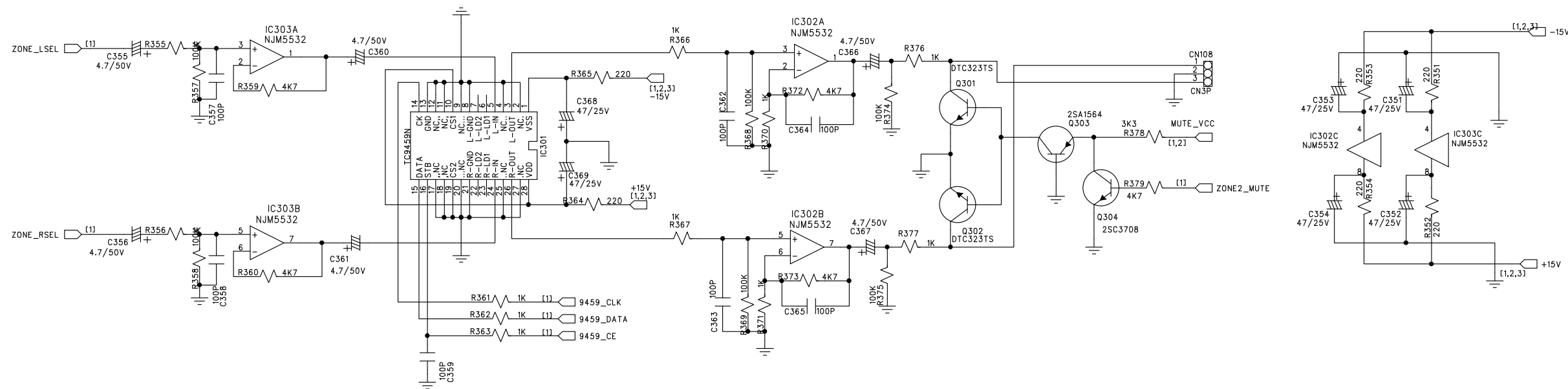
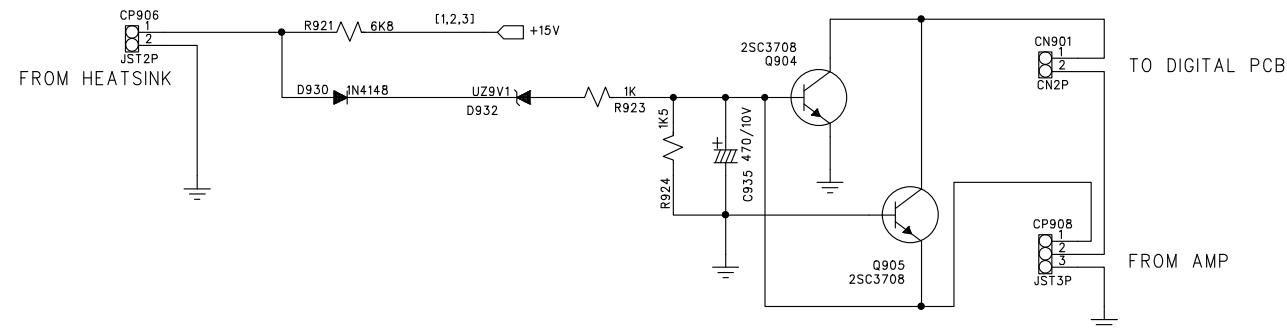
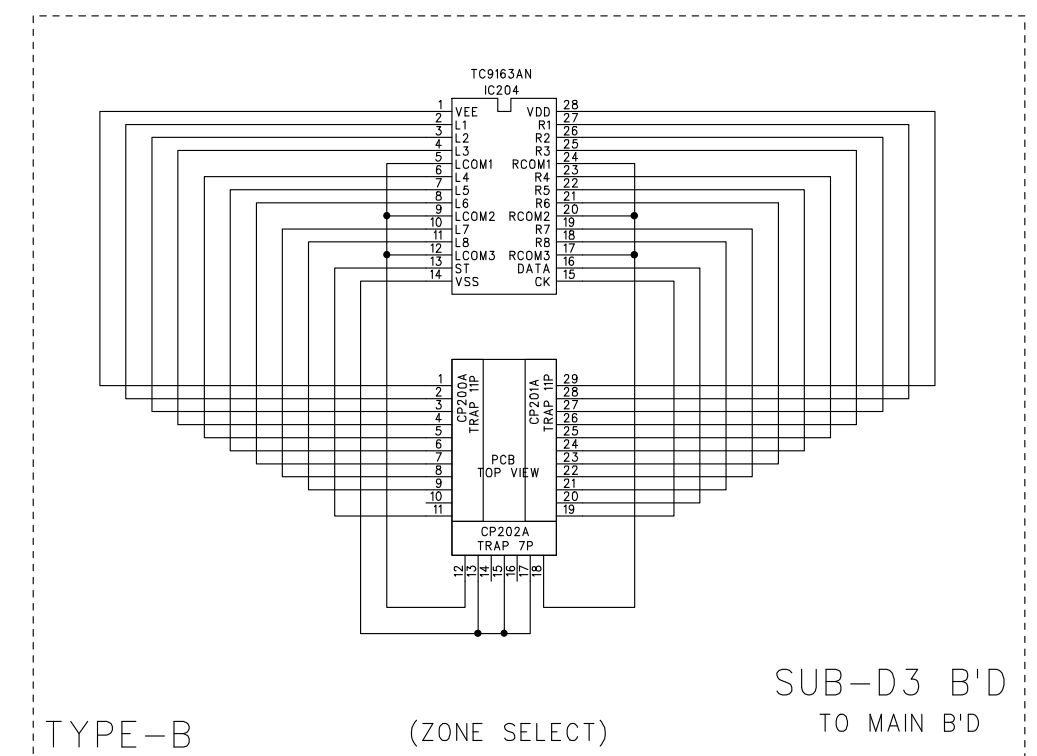
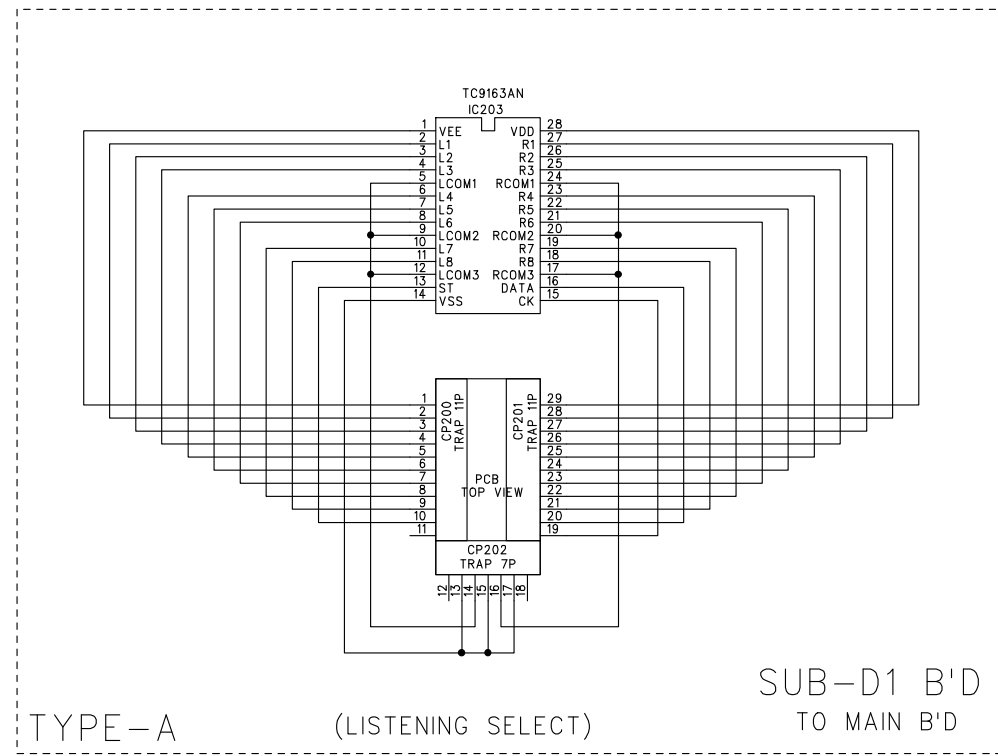


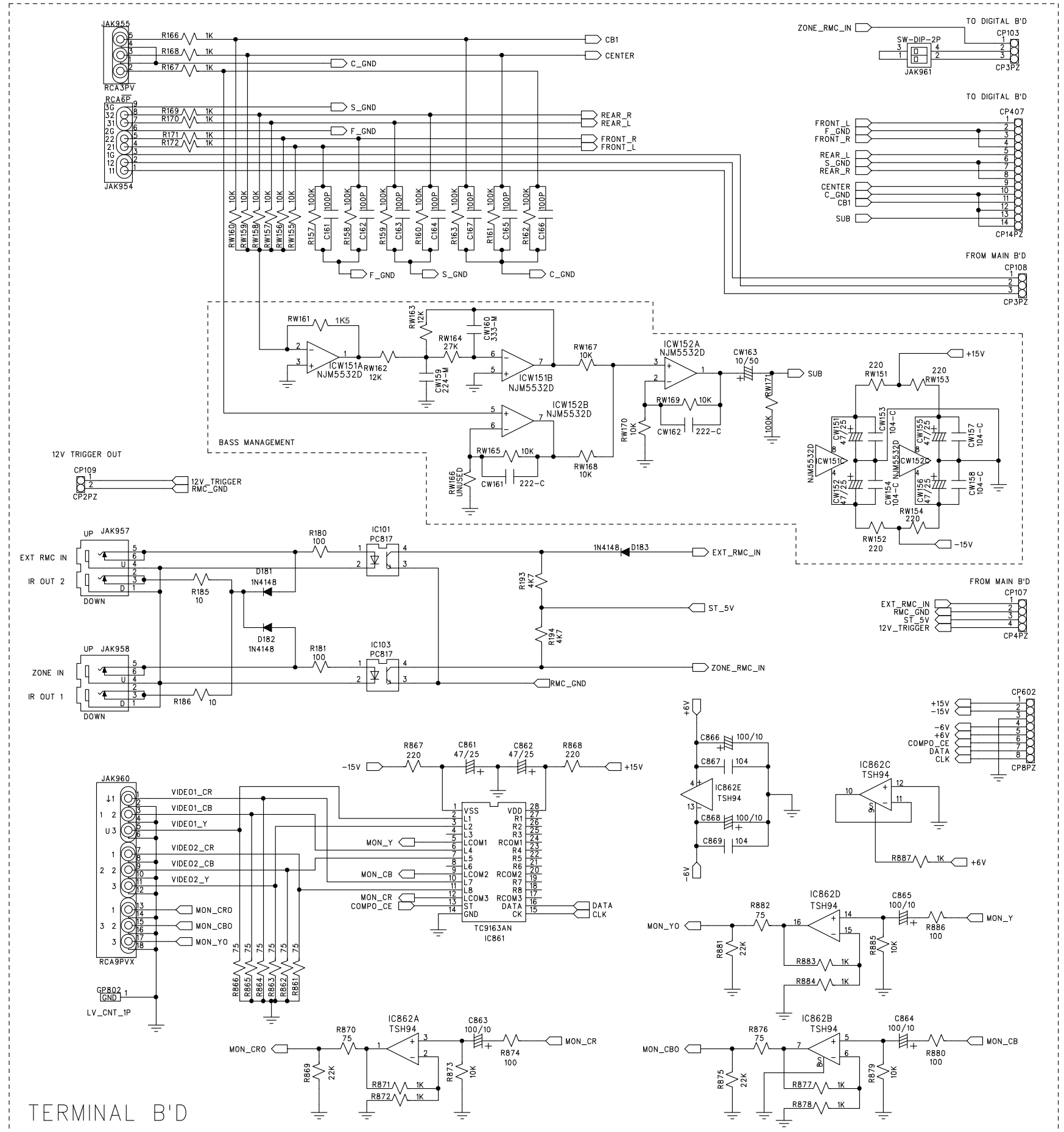
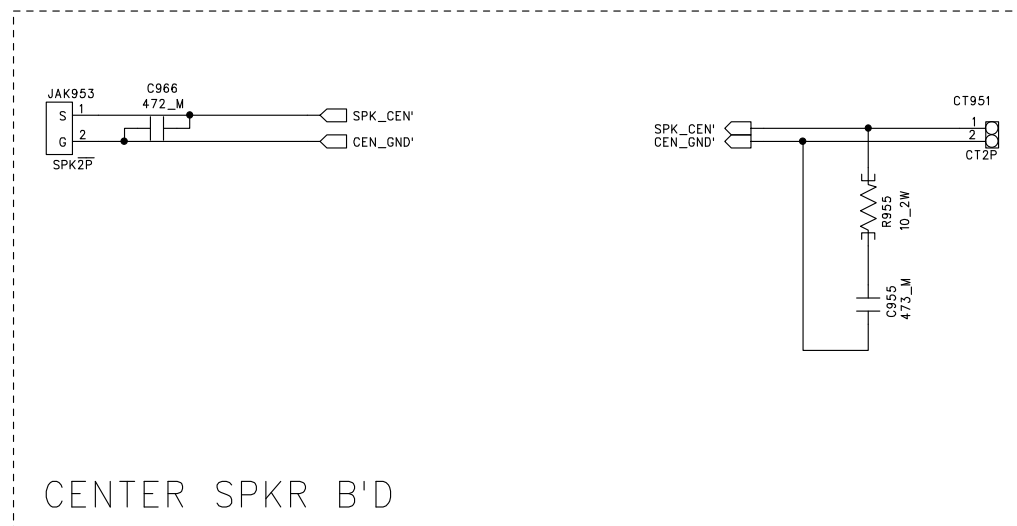
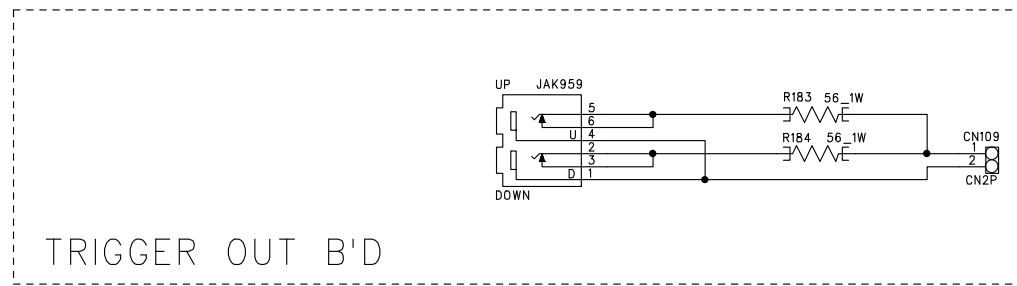
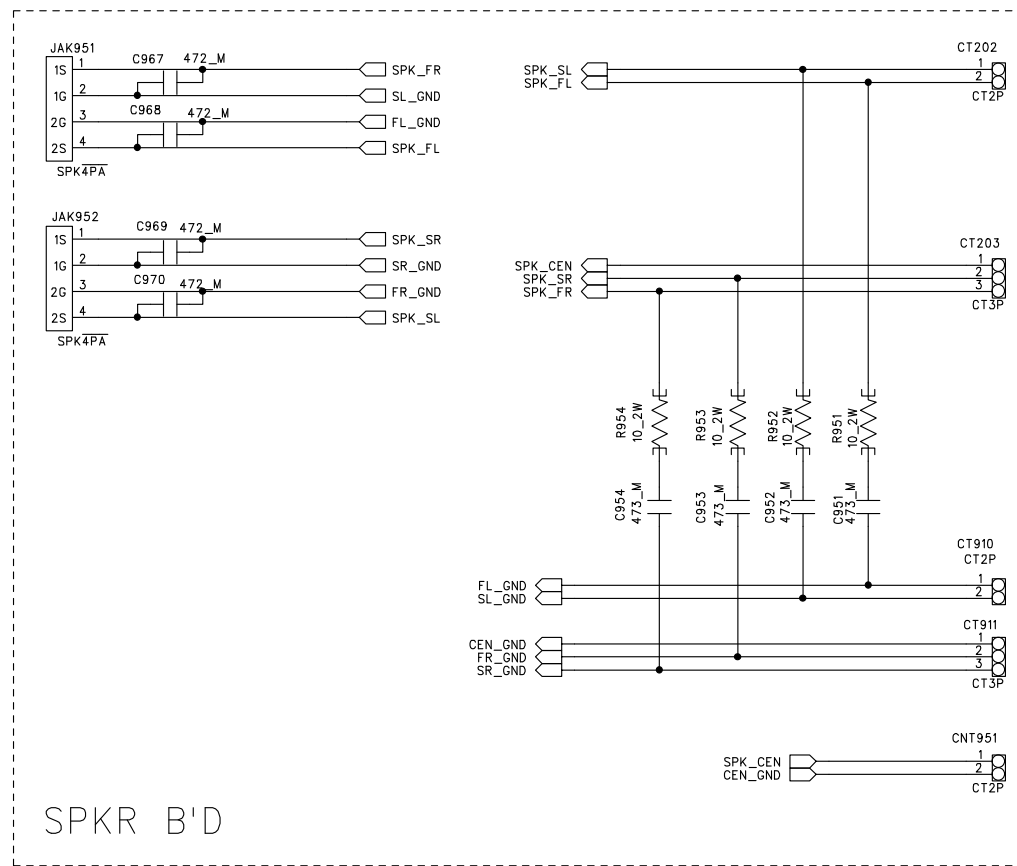
INPUT & REC SELECT PART



SUPPLY & OSD PART

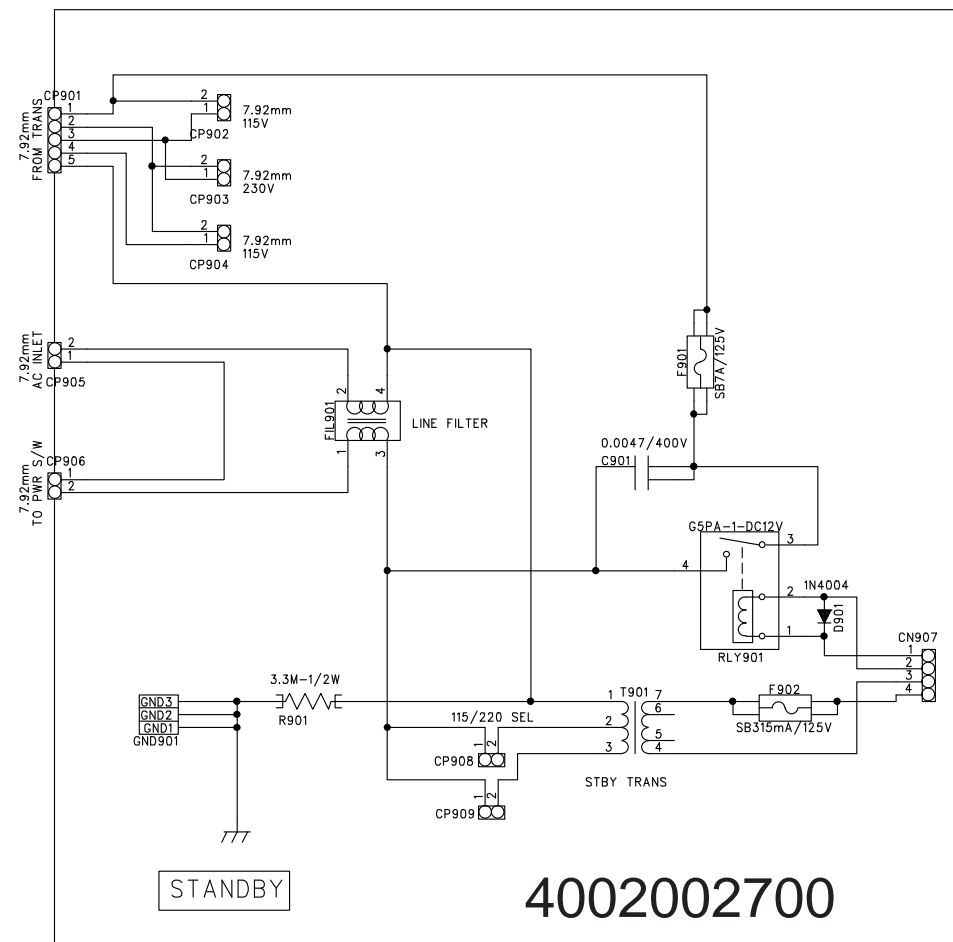




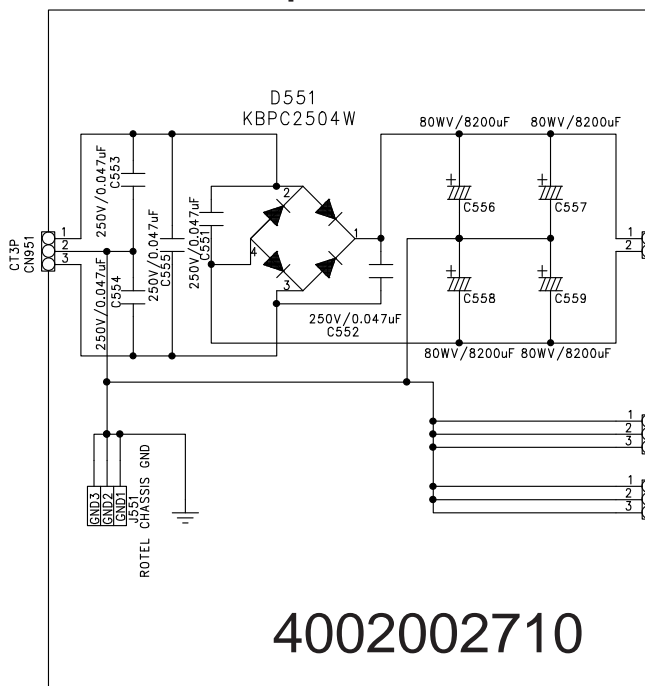


Schematic Diagram - 13/13

Standby Board



Capacitor Board



Tuner Board

E-1325B

