

Quality Uncompromised

ROTEL®

Technical Manual

SURROUND SOUND RECEIVER RSX-1057_{v02}

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Specifications

Audio

Continuous Amplifier Power

(five channels driven)

75 watts/ch (20-20k Hz, <0.05% 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 – 120 kHz, ±3dB (analog bypass)

10 Hz – 95 kHz, ±3dB (digital input)

Signal to Noise Ratio (IHF A-weighted)

95dB (analog bypass)

92dB (Dolby Digital, dts) 0dBFs

Input Sensitivity/Impedance

Line Level: 200 mV/100K ohms

Preamp Output Level/Output Impedance

1.0 V / 1K ohms

Contour (LF/HF)

±6dB at 50 Hz/15 kHz

Decodable Digital Input Signals

Dolby Digital, Dolby Digital EX, DTS, DTS-ES,
DTS 96/24, LPCM (up to 192K), HDCD, MP3,
MPEG Multichannel

Video

Frequency Response

3 Hz – 10 MHz, ± 3dB (Digital Input)

3 Hz – 100 MHz, ± 3dB (Component Video)

Signal to Noise Ratio

45dB

Input Impedance

75 ohms

Output Impedance

75 ohms

Output Level

1.0 volt

HDMI Input /Output

Version 1.1

FM Tuner

Usable Sensitivity

14.2dBf

Signal to Noise Ratio (at 65dBf)

70dBf

Harmonic Distortion (at 65dBf)

0.03%

Stereo Separation (1 kHz)

45dB

Output level

1 V

Antenna Input

75 ohms unbalanced

AM Tuner

Sensitivity

500 V/m

Signal to Noise Ratio

40dBf

Output level

500 mV

Antenna Input

Loop Antenna

General

Power Consumption:

450 watts

78 watts (idle)

8 watts (standby)

Power Requirements (AC)

120 volts, 60Hz (USA version)

230 volts, 50Hz (CE version)

Weight

17.2 Kg/37.8 lb.

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"

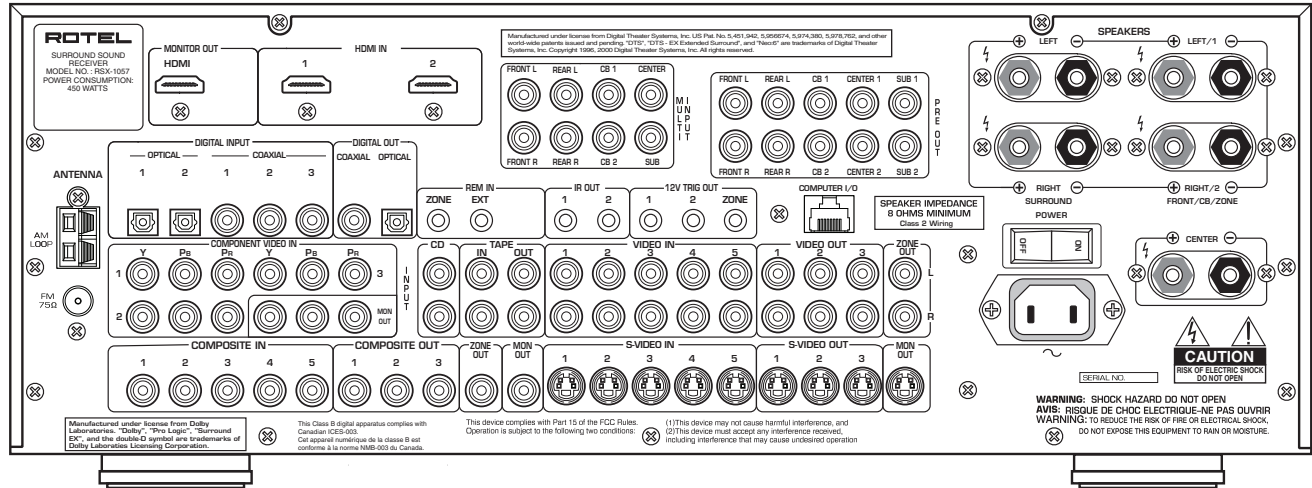
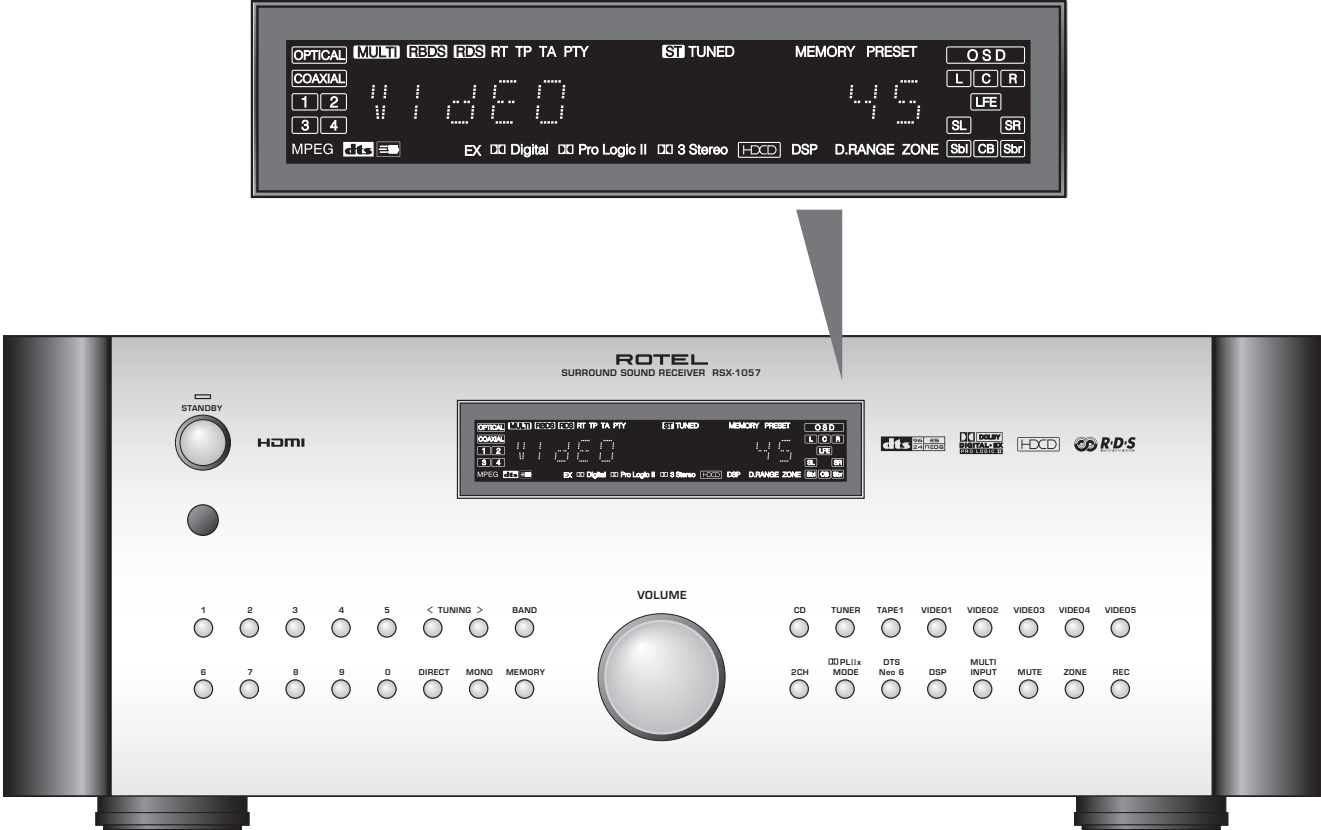
THE ROTEL CO., LTD.

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

Serial. NO.

Beginning 6391001 ~

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SYMBOL	PARTS NO.	DESCRIPTION
016 E-1401B00 PCB ASSY		
	501 E-1401-C	PCB ASSY (MULTIINPUT)
IC715-718	031 TL072CD	IC SMD (OPE DUAL)
CMB707,708,CMC707,708,CMF707,708	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
CMS707,708	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
CMB703,704,CMC702,CMF703,704	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
CMS703,704,CMW702	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C713,714	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CMB705,706,CMC703,CMF705,706	047 ECJ2VG1H100D	CERAMIC CAPACITOR CHIP 10pF
CMS705,706	047 ECJ2VG1H100D	CERAMIC CAPACITOR CHIP 10pF
CMB701,702,710,711,CMC701,710	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CMF701,702,710,711	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CMS701,702,710,711,CMW701,703,710	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
RMB701,702,RMC701,RMF701,702	055 ERJ6ENF1000V	RESISTOR CHIP 100
RMS701,702,RMW701	055 ERJ6ENF1000V	RESISTOR CHIP 100
RMB705,706,RMB711,712,RMC703,705	055 ERJ6ENF1002V	RESISTOR CHIP 10K
RMF705,706,RMS705,706,711,712	055 ERJ6ENF1002V	RESISTOR CHIP 10K
RMB703,704,RMC702,RMF703,704	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RMS703,704,RMW702	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RMW703,704	055 ERJ6ENF1202V	RESISTOR CHIP 12K
RMB707,708,RMC707,708,RMF707,708	055 ERJ6ENF2200V	RESISTOR CHIP 220
RMS707,708	055 ERJ6ENF2200V	RESISTOR CHIP 220
RMF711,712	055 ERJ6ENF3001V	RESISTOR CHIP 3K
RMF709,710	055 ERJ6ENF3303V	RESISTOR CHIP 330K
RMB709,710,RMC704,RMS709,710	055 ERJ6ENF4301V	RESISTOR CHIP 4.3K
JAK702	066 C-4764A02	2P PIN JACK (B.B)
JAK701	066 C-4861A01	6P PIN JACK (W.R)
016 E-1405C00 PCB ASSY		
	501 E-1405-B	PCB ASSY (POWER 1)
L801	021 2648701170	LINE FILTER COIL LF-TO-25
F801* (for 230V)	036 5ST3.15-R	FUSE 250V3.15A
F801* (for 120V)	036 5ST8-R	FUSE 250V8A
R801	054 MSR1/2W4M7J	MOF RESISTOR 1/2W 4.7M
CP803	068 4428505746	CONNECTOR WAFER 5P 7.92mm
CP116,117,231,232,801,802	068 B2P3-VH	CONNECTOR WAFER 2P
016 E-1406E00 PCB ASSY		
	501 E-1406-B	PCB ASSY (POWER 2)
IC901,903,904	031 NJM7805FA	IC (REG. +5V) KIA7805API
IC902,905	031 NJM7806FA	IC (REG. +6V) KIA7806API
IC909	031 NJM7812FA	IC (REG. +12V) KIA7812API
IC907	031 NJM7818FA	IC (REG. +18V) KIA7818API
IC906	031 NJM7906FA	IC (REG. -6V) KIA7906PI
IC908	031 NJM7918FA	IC (REG. -18V) KIA7918PI
Q901	032 TA1450-ST	TRANSISTOR 2SA1450AA-ST
Q251,252,902,903	033 TC3708-ST	TRANSISTOR 2SC3708AA-ST
DB951	034 KBPC2504W-F	POWER DIODE 25A 400V
D901,902,905,906,912-922,925-931,909	034 T1N4004-TB	DIODE 1N4004-F (AMMO)
D251,903	034 T1N4148-86	DIODE 1N4148TAP-50
D910	034 TRD27JST1	ZENER DIODE 27V (AB2)
D904	034 TRD4.3EST1	ZENER DIODE 4.3V (AB2)
D252	034 TRD6.8JST1	ZENER DIODE 6.8V (AB2)
D911	034 TRD9.1JST1	ZENER DIODE 9.1V (AB2)
F903,904	036 5ST2-R	FUSE 250V2A
F901,902	036 5ST3.15-R	FUSE 250V3.15A
C956-959	041 HC80V8200UF	ELECTROLYTIC CAPACITOR 80V8200uF
C251	041 TUTES1A471-7TS	ELECTROLYTIC CAPACITOR 10V470uF

SYMBOL	PARTS NO.	DESCRIPTION
C904	041 TUTES1C102-7TS	ELECTROLYTIC CAPACITOR 16V1000uF
C901,910,918,919	041 TUTES1C472-7TS	ELECTROLYTIC CAPACITOR 16V4700uF
C902,905,909,911,920,921,931,932,938	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C907	041 TUTES1H220-7TF	ELECTROLYTIC CAPACITOR 50V22uF
C906	041 TUTES1H470-7TF	ELECTROLYTIC CAPACITOR 50V47uF
C929,930	041 TUTES1V332-7TS	ELECTROLYTIC CAPACITOR 35V3300uF
C922,936	041 TUTES1V471-7TS	ELECTROLYTIC CAPACITOR 35V470uF
C908	041 UTES1C103-7	ELECTROLYTIC CAPACITOR 16V10000uF
C903,951-955	043 TC500V103	CERAMIC CAPACITOR 500V0.01uF
C913-917,924-928	044 TBFO14D0103J	M.P CAPACITOR 63V0.01uF
R905,906	053 CR14-010J-A	CARBON RESISTOR 1/4W 1
R252,902,909	053 CR14-102J-A	CARBON RESISTOR 1/4W 1K
R908	053 CR14-103J-A	CARBON RESISTOR 1/4W 10K
R253	053 CR14-152J-A	CARBON RESISTOR 1/4W 1.5K
R911,917	053 CR14-220J-A	CARBON RESISTOR 1/4W 22
R910,916	053 CR14-222J-A	CARBON RESISTOR 1/4W 2.2K
R907	053 CR14-470J-A	CARBON RESISTOR 1/4W 47
R903	053 CR14-473J-A	CARBON RESISTOR 1/4W 47K
R251	053 CR14-682J-A	CARBON RESISTOR 1/4W 6.8K
R901	054 1WS10J	MOF RESISTOR 1W 10
R904,914,915,920,921,922	054 2WS1JF	MOF RESISTOR 2W 1
RLY901,902	063 OSA-SS-224DM5	RELAY 24W
CP403	068 B10B-PH-KS	CONNECTOR WAFER 10P
CP251	068 B2B-EH	CONNECTOR WAFER 2P
CP411-413	068 B2B-PH-KS	CONNECTOR WAFER 2P
CP204	068 B2P3-VH	CONNECTOR WAFER 2P
CP205,902	068 B3B-EH	CONNECTOR WAFER 3P
CP951	068 B3P-VH	CONNECTOR WAFER 3P
CP404,801	068 B5B-PH-KS	CONNECTOR WAFER 5P
CP301	068 B6B-PH-KS	CONNECTOR WAFER 6P
CP901	068 B7B-EH	CONNECTOR WAFER 7P
CP106	068 B7B-PH-KS	CONNECTOR WAFER 7P
CP202	068 B9B-PH-KS	CONNECTOR WAFER 9P
016 X-1407C01-03 PCB ASSY		
	501 X-1407-B	PCB ASSY (SPEAKER)
C966-970	044 TBF014D0472J	M.P CAPACITOR 63V4700pF
C951-955	044 TBF014D0473J	M.P CAPACITOR 63V0.047uF
R951-955	054 2WS10JF	MOF RESISTOR 2W 10
SW100	061 C-4172A13	PUSH SWITCH SPUN12XT131
JAK951,952	067 C-4794A00	4P SPEAKER TERMINAL (R.B)
JAK953	067 C-4862A01	2P SPEAKER TERMINAL (R.B)
CP101	068 B2B-PH-KS	CONNECTOR WAFER 2P
CT202,910,951	068 B2P-VH	CONNECTOR WAFER 2P
CT203,911	068 B3P-VH	CONNECTOR WAFER 3P
016 X-1408B01-03 PCB ASSY		
	501 X-1408-B	PCB ASSY (FRONT)
X101	023 CSTLS10M0G53-BO	CERAMIC RESONATOR
IC100	031 CXP82832-366Q	IC SMD (CPU)
RMC101	031 RPM7138H9	IC (REMOTE RECEIVER)
Q101,102	032 TC3708-ST	TRANSISTOR 2SC3708AA-ST
D101-106	034 T1N4148-86	DIODE 1N4148TAP-50
FIP1	035 HNR08MM37	FL TUBE
C114	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C119	041 TUTES1H3R3-7TF	ELECTROLYTIC CAPACITOR 50V3.3uF
C117	041 TUTES1H4R7-7TF	ELECTROLYTIC CAPACITOR 50V4.7uF
C101-107	043 TC50V101	CERAMIC CAPACITOR 100pF

SYMBOL	PARTS NO.	DESCRIPTION
C115	043 TC50V103	CERAMIC CAPACITOR 0.01uF
C118	043 TC50V223	CERAMIC CAPACITOR 0.022uF
C100,112,113	043 TC50V473	CERAMIC CAPACITOR 0.047uF
C108-111	043 TC50V821	CERAMIC CAPACITOR 820pF
R101-104,124-126,142	054 TMF1001	METAL FILM RESISTOR 1/4W 1K
R109,114-119	054 TMF1002	METAL FILM RESISTOR 1/4W 10K
(R121)	054 TMF1800	METAL FILM RESISTOR 1/4W 180
(R121)	054 TMF4700	METAL FILM RESISTOR 1/4W 470
R122,123	054 TMF4701	METAL FILM RESISTOR 1/4W 4.7K
R105-108,110-113	054 TMF4702	METAL FILM RESISTOR 1/4W 47K
R120	054 TMF47R0	METAL FILM RESISTOR 1/4W 47
ESW101	056 C-4678A01	ROTARY ENCODER 3P (WITHOUT DETENT)
SW101-132	061 C-4679A03	TACT SWITCH 5mm GRY HV061050GS
CP105	068 B2B-PH-KS	CONNECTOR WAFER 2P
CP110	068 B3B-PH-KS	CONNECTOR WAFER 3P
CP102	068 B4B-PH-KS	CONNECTOR WAFER 4P
016 E-1413B00 PCB ASSY		
L101,201,301,401,501	501 E-1413-B	PCB ASSY (POWER AMPLIFIER)
Q702	021 LF167A00	SPEAKER COIL 1.0F7T
Q109,209,309,409,509	032 KRC107M	TRANSISTOR KRC107M
Q112,212,312,412,512	033 A1360-OY	TRANSISTOR 2SA1360-OY
Q110,210,310,410,510	033 A1859-Y	TRANSISTOR 2SA1859-Y
Q111,211,311,411,511	033 C3423-OY	TRANSISTOR 2SC3423-OY
Q101-105,201-205,301-305	033 C4883-Y	TRANSISTOR 2SC4883-Y
Q401-405,501-505,701	033 KTA1268-GRBL	TRANSISTOR KTA1268-GRBL
Q106-108,206-208,306-308,406-408,506-508	033 KTA1268-GRBL	TRANSISTOR KTA1268-GRBL
D101,102,201,202,301,302,401,402,501,502	033 KTC3200-GRBL	TRANSISTOR KTC3200-GRBL
D701	034 T1N4148-86	DIODE 1N4148TAP-50
C106,206,306,406,506	034 TRD12F-AZ	ZENER DIODE 12V (B2)
C107,207,307,407,507,701,702	041 TUTES1A221-7TF	ELECTROLYTIC CAPACITOR 10V220uF
C111,112,211,212,311,312,411,412,511,512	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C108,208,308,408,508	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C703	041 TUTES1H220-7TF	ELECTROLYTIC CAPACITOR 50V22uF
C105,205,305,405,505	041 TUTES1H470-7TF	ELECTROLYTIC CAPACITOR 50V47uF
C109,110,209,210,309,310,409,410,509,510	041 TUTES1H4R7-7FB	ELECTROLYTIC CAPACITOR 50V4.7uF
C104,204,304,404,504	041 TUTES1J471-7TS	ELECTROLYTIC CAPACITOR 63V470uF
C102,202,302,402,502	043 TC50V181	CERAMIC CAPACITOR 180pF
C101,201,301,401,501	043 TC50V271	CERAMIC CAPACITOR 270pF
C103,203,303,403,503	043 TC50V391	CERAMIC CAPACITOR 390pF
VR101,201,301,401,501	043 TC50VCH5R6-A	CERAMIC CAPACITOR (AXIAL) 5.6pF
R705,706	051 SFR001-102	SEMI-FIXED RESISTOR VM6CKPH1S-1K
R141,241,341,441,541	054 2WS820JF	MOF RESISTOR 2W 820
R136,137,236,237,336,337,436,437,536,537	054 MPR5W0.27RJ-T	METAL PLATE RESISTOR 5W 0.27
R140,240,340,440,540	054 TMF1000	METAL FILM RESISTOR 1/4W 100
R138,139,238,239,338,339	054 TMF2200	METAL FILM RESISTOR 1/4W 220
R438,439,538,539	054 TMF3R30	METAL FILM RESISTOR 1/4W 3.3
R101,102,201,202,301,302,401,402,501,502	054 TMF3R30	METAL FILM RESISTOR 1/4W 3.3
R113,213,313,413,513	054 TMF16-1001	METAL FILM RESISTOR 1/6W 1K
R702	054 TMF16-1002	METAL FILM RESISTOR 1/6W 10K
R126,127,226,227,326,327,426,427,526,527	054 TMF16-1003	METAL FILM RESISTOR 1/6W 100K
R109,110,209,210,309,310,409,410,509,510	054 TMF16-1200	METAL FILM RESISTOR 1/6W 120
R112,212,312,412,512	054 TMF16-1201	METAL FILM RESISTOR 1/6W 1.2K
R704	054 TMF16-1500	METAL FILM RESISTOR 1/6W 150
R105,106,205,206,305,306,405,406,505,506	054 TMF16-1503	METAL FILM RESISTOR 1/6W 150K
R128,228,328,428,528	054 TMF16-15R0	METAL FILM RESISTOR 1/6W 15
R129,229,329,429,529	054 TMF16-1801	METAL FILM RESISTOR 1/6W 1.8K
	054 TMF16-2001	METAL FILM RESISTOR 1/6W 2K

SYMBOL	PARTS NO.	DESCRIPTION
R116-118,216-218,316-318,416-418,516-518	054 TMF16-2202	METAL FILM RESISTOR 1/6W 22K
R703	054 TMF16-3301	METAL FILM RESISTOR 1/6W 3.3K
R103,104,203,204,303,304,403,404,503,504	054 TMF16-3302	METAL FILM RESISTOR 1/6W 33K
R132-135,232-235,332-335,432-435,532-535	054 TMF16-39R0	METAL FILM RESISTOR 1/6W 39
R114,214,314,414,514	054 TMF16-4302	METAL FILM RESISTOR 1/6W 43K
R119-125,219-225,319-325,419-425,519-525	054 TMF16-5600	METAL FILM RESISTOR 1/6W 560
R131,231,331,431,531	054 TMF16-6801	METAL FILM RESISTOR 1/6W 6.8K
R701	054 TMF16-6802	METAL FILM RESISTOR 1/6W 68K
R111,211,311,411,511	054 TMF16-68R0	METAL FILM RESISTOR 1/6W 68
R107,108,207,208,307,308,407,408,507,508	054 TMF16-7500	METAL FILM RESISTOR 1/6W 750
R130,230,330,430,530	054 TMF16-9100	METAL FILM RESISTOR 1/6W 910
CP201	068 B10B-PH-KS	CONNECTOR WAFER 10P
016 E-1419B00 PCB ASSY		
	501 E-1419-B	PCB ASSY (OUTPUT)
IC702	031 TC9162CFG	IC SMD (SWITCH ALLEY)
IC701	031 TC9163CFG	IC SMD (SWITCH ALLEY)
IC709,710	031 TC9482BFG	IC SMD (VOLUME)
IC707,708,IC703-706,711-714	031 TL072CD	IC SMD (OPE DUAL)
QC702,QCB701,QF701,QS701,QSW702	032 KRA107S	TRANSISTOR CHIP KRA107S
Q701-703,QBL/R701,QC701,QFL/R701	032 KRC231S	TRANSISTOR CHIP KRC231S
QSL/R701,QSW701	032 KRC231S	TRANSISTOR CHIP KRC231S
D701,702,DC701,DCB701,DF701,DS701	037 KDS184RTK	DIODE CHIP KDS184RTK
DSW701	037 KDS184RTK	DIODE CHIP KDS184RTK
C701-705,707,709,711,CB701,702	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
CCB703,704,CCW701-704,CF701-704	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
CMW710,711,CS701-704	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
CBL/R702,704,705,708	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
CCT702,704,705,708	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
CFL/R702,704,705,708,CMW705	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
CSL/R702,704,705,708	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
CSW702,704,705,708	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
CMW707	047 ECJ2VB1H333K	CERAMIC CAPACITOR CHIP 0.033uF
C706,708,710,712,713,714	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CCB705,CCT709,CF705,CS705,CSW709	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CMW706	047 ECJ2VF1H224Z	CERAMIC CAPACITOR CHIP 0.22uF
CBL/R707,CCT707,CFL/R707,CSL/R707	047 ECJ2VG1H100D	CERAMIC CAPACITOR CHIP 10pF
CBL/R701,703,706,CCT701,703,706	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CFL/R701,703,706,CSW701,703,706,707	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CSL/R701,703,706,CMW704	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CMW708,709	047 ECJ2VG1H222J	CERAMIC CAPACITOR CHIP 0.0022uF
RBL/R705,RCT705,RFL/R705,RSL/R705	055 ERJ6ENF1000V	RESISTOR CHIP 100
RBL/R701,707,RCT701,707,RFL/R701,707	055 ERJ6ENF1000V	RESISTOR CHIP 100
RMW709,RSL/R701,707,RSW701,707	055 ERJ6ENF1000V	RESISTOR CHIP 100
RSW705	055 ERJ6ENF1000V	RESISTOR CHIP 100
R703-705,708-710,713-715,718-720	055 ERJ6ENF1001V	RESISTOR CHIP 1K
RBL/R712,RCT712,RFL/R712,RMW712,713	055 ERJ6ENF1001V	RESISTOR CHIP 1K
RSL/R712,RSW710,712,R721-728	055 ERJ6ENF1001V	RESISTOR CHIP 1K
RBL/R709,RCT709,RFL/R703,709	055 ERJ6ENF1002V	RESISTOR CHIP 10K
RMW711,715,716,RSL/R709	055 ERJ6ENF1002V	RESISTOR CHIP 10K
RBL/R706,RCB705,RCT706,713,RFL/R706	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RMW710,714,RS705,RSL/R706,RSW706,713	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RBL/R702,708,711,RCB706,RCT702,708,711,714	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RF705,706,RFL/R702,708,711,RS706	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RSL/R702,708,711,RSW702,708,711,714	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RBL/R704,RCT704,RSL/R704	055 ERJ6ENF1201V	RESISTOR CHIP 1.2K
RBL/R703,RCT703,RMW706,707,RSL/R703	055 ERJ6ENF1202V	RESISTOR CHIP 12K
RSW709	055 ERJ6ENF1502V	RESISTOR CHIP 15K

SYMBOL	PARTS NO.	DESCRIPTION
R729,730,RMW705	055 ERJ6ENF1801V	RESISTOR CHIP 1.8K
RSW703	055 ERJ6ENF2002V	RESISTOR CHIP 20K
R701,702,706,707,711,712,716,717	055 ERJ6ENF2200V	RESISTOR CHIP 220
RB701,702,RCB703,704,RCW701-704	055 ERJ6ENF2200V	RESISTOR CHIP 220
RF701-704,RMW717,718,RS701-704	055 ERJ6ENF2200V	RESISTOR CHIP 220
RBL/R710,RCT710,RFL/R710,RSL/R710	055 ERJ6ENF2201V	RESISTOR CHIP 2.2K
RMW708	055 ERJ6ENF2702V	RESISTOR CHIP 27K
RSW704	055 ERJ6ENF3301V	RESISTOR CHIP 3.3K
RFL/R704	055 ERJ6ENF3901	RESISTOR CHIP 3.9K
RA731,733	055 ERJ6ENF4701V	RESISTOR CHIP 4.7K
RA732,734	055 ERJ6ENF5601V	RESISTOR CHIP 5.6K
1056J1-1056J5,J701	055 ERJ6GEY0R00V	RESISTOR CHIP 0
RY701,702	063 EA2-12NU	RELAY EA2-12NU
TER702	066 C-4784A02	4P PIN JACK AU (BLK)
TER701	066 C-4792A01	6P PIN JACK (R.W)
CP401,402,702	068 B15B-PH-KS	CONNECTOR WAFER 15P
CP703	068 B2B-PH-KS	CONNECTOR WAFER 2P
CP204,701	068 B3B-PH-KS	CONNECTOR WAFER 3P
CP203	068 B6B-PH-KS	CONNECTOR WAFER 6P
016 E-1449A00 PCB ASSY		
	501 E-1449	PCB ASSY (DIGITAL)
IC443	019 TO-220	MICA SHEET TBM-51W-15 #9036
T431-434	021 2888000010	PULSE TRANS FP-110
XT402	023 CXO-002	CRYSTAL 12.288MHz
XT401	023 HC49U-009	CRYSTAL 24.576MHz
L431,432,433,434,LCB451,LCW451,LF451,LS451	025 BK2125HS102	BEAD COIL CHIP BK2125HS102-T
L401,435,436	025 BK2125HS601	BEAD COIL CHIP BK2125HS601-T
IC403	031 39SF040-X57V2	IC PLCC (FLASH MEMORY) SOFT WRITING
IC438	031 39VF040-V34	IC PLCC (DSP MEMORY) SOFT WRITING
IC440	031 74HC00	IC SMD (QUAD NAND GATE) 74HC00
IC441,442	031 74HC157	IC SMD (QUAD MPX) 74VHC157
IC445	031 74HC244	IC SMD (OCTAL BUFFER) 74VHC244
IC436,446	031 74HCT125	IC SMD (QUAD BUFFER) 74HCT125D
IC431	031 AK4114VQ	IC SMD (DIR) AK4114VQP
IC447-450	031 AK4396VF	IC SMD (DAC) AK4396VFP
IC432	031 AK5383VS	IC SMD (ADC) AK5383VSP
IC443	031 AME1117BCBT	IC SMD (REGULATOR) AKE
IC444	031 AME1117CCGT	IC SMD (REGULATOR) ABF
IC404	031 AT24C16A10PU-2.7	IC SMD (EEPROM) AT24C16PC
IC437	031 CS49400	IC SMD (DSP) CS49400-3-CQZ
IC405	031 HIN232CB	IC SMD (TRANSMITTER RECEIVER) HIN232CBZ
IC402	031 IS62C256	IC SMD (SRAM) IS62C256-45UL
IC439	031 K4S161622H-UC	IC SMD (MEMORY SDRAM)
IC406,407	031 LTV817	IC (PHOTO COUPLER)
IC433-435,451-454	031 TL072CD	IC SMD (OPE DUAL)
IC401	031 TMP95C063F	IC (CPU) TMP95C063FG(Z)
Q401,QCW451,QFL/R451	032 KRC107S	TRANSISTOR CHIP KRC107S
Q402-404	032 KRC231S	TRANSISTOR CHIP KRC231S
D401-407	037 KDS184RTK	DIODE CHIP KDS184RTK
C430	041 SCDA5R5104V	SUPER CAPACITOR 5.5V0.1uF
C480,481,484,487,C406	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C454-462,512-519,CAL/R401-404	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
CCB455,CCW455,CF455,CS455	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C418-421	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C414,417,438,439,441-443,453,482,483	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C485,486,CBL/R454,CCB454,456,CCT454	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
CCW454,456,CF454,456,CFL/R454	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF

SYMBOL	PARTS NO.	DESCRIPTION
CS454,456,CSL/R454,CSW454	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C503	041 TUTES1H2R2-7TF	ELECTROLYTIC CAPACITOR 50V2.2uF
C416	041 TUTES1H3R3-7TF	ELECTROLYTIC CAPACITOR 50V3.3uF
C415	041 TUTES1HR22-7TF	ELECTROLYTIC CAPACITOR 50V0.22uF
C440	041 TUTES1HR47-7TF	ELECTROLYTIC CAPACITOR 50V0.47uF
CAL/R408,CSW452,453	047 ECJ2VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
CCT455,CFL/R455	047 ECJ2VB1H223K	CERAMIC CAPACITOR CHIP 0.022uF
C501	047 ECJ2VC1H122J	CERAMIC CAPACITOR CHIP 1200pF
C401-405,407,408,409-411,422-428,429,	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C431-435,436,437,444-448,450,451,452,	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C463-465,491,499,510,511,520-523,467-479,	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C488-490,C493-496,498,500,504-509	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CCB451-453,CCW451-453,	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CF451-453,CS451-453,CAL/R405	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C449,C5383	047 ECJ2VF1H224Z	CERAMIC CAPACITOR CHIP 0.22uF
CBL/R452,453,CCT452,453,CFL/R452,453	047 ECJ2VG1H121J	CERAMIC CAPACITOR CHIP 120pF
CSL/R452,453	047 ECJ2VG1H121J	CERAMIC CAPACITOR CHIP 120pF
C412,413	047 ECJ2VG1H270J	CERAMIC CAPACITOR CHIP 27pF
CBL/R451,CCT451,CFL/R451,CSL/R451,CSW451	047 ECJ2VG1H331J	CERAMIC CAPACITOR CHIP 330pF
CAL/R406,407	047 ECJ2VG1H471J	CERAMIC CAPACITOR CHIP 470pF
C502	047 ECJ2VG1H680J	CERAMIC CAPACITOR CHIP 68pF
RM419,420	055 CN43-101	NETWORK RESISTOR CHIP 100
RM403-409	055 CN43-103	NETWORK RESISTOR CHIP 10K
RM410-418	055 CN43-331	NETWORK RESISTOR CHIP 330
RM401,402	055 CN43-332	NETWORK RESISTOR CHIP 3.3K
R405,406,409-411,458,4395	055 ERJ6ENF1000V	RESISTOR CHIP 100
R427,428,448,451,459-462,476-479,418	055 ERJ6ENF1000V	RESISTOR CHIP 100
RBL/R458,RCT458,RFL/R458,RSL/R458	055 ERJ6ENF1001V	RESISTOR CHIP 1K
RSW458	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R401,402,412-414,415,416,430,447	055 ERJ6ENF1002V	RESISTOR CHIP 10K
R1056,R67V2,RAL/R401,402,404,405	055 ERJ6ENF1002V	RESISTOR CHIP 10K
RBL/R457,RCT457,RFL/R457,RSL/R457	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R403	055 ERJ6ENF1004V	RESISTOR CHIP 1M
R407,408,426,444,445	055 ERJ6ENF10R0V	RESISTOR CHIP 10
R446	055 ERJ6ENF1802V	RESISTOR CHIP 18K
R435-438,R452-457,466-473	055 ERJ6ENF2200V	RESISTOR CHIP 220
R480,RAL/R408,411	055 ERJ6ENF22R0V	RESISTOR CHIP 22
R463,RAL/R406,409	055 ERJ6ENF3001V	RESISTOR CHIP 3K
R464,465	055 ERJ6ENF3301V	RESISTOR CHIP 3.3K
R439-443	055 ERJ6ENF4700V	RESISTOR CHIP 470
R404,420-425,419	055 ERJ6ENF4701V	RESISTOR CHIP 4.7K
R429,449,450,474,475,5383,RAL/R403	055 ERJ6ENF4702V	RESISTOR CHIP 47K
RBL/R451-453,455,456,RCT451-453,455,456	055 ERJ6ENF5601V	RESISTOR CHIP 5.6K
RFL/R451-453,455,456,RSW451-453,455,456	055 ERJ6ENF5601V	RESISTOR CHIP 5.6K
RSL/R451-453,455,456	055 ERJ6ENF5601V	RESISTOR CHIP 5.6K
R431-434	055 ERJ6ENF75R0V	RESISTOR CHIP 75
RAL/R407,410	055 ERJ6ENF9100V	RESISTOR CHIP 910
RBL/R454,RCT454,RFL/R454,RSL/R454,RSW454	055 ERJ6ENF9101V	RESISTOR CHIP 9.1K
RLY401-403	063 EA2-12NU	RELAY A12W-K
JAK407-413	065 YKB21-5103A	3.5Φ MINIATURE JACK (ST)
JAK401,402	066 C-4859A01	2P PIN JACK (BLK)
JAK406	066 SY010-8P/K	RJ45 TERMINAL (8P)
JAK404,405	066 TORX142L	OPTICAL RECEIVER
JAK403	066 TOTX142L	OPTICAL TRANSMITTER
CP405,408	068 B10B-PH-KS	CONNECTOR WAFER 10P
CP409	068 B12B-PH-KS	CONNECTOR WAFER 12P
CP451	068 B2B-PH-KS	CONNECTOR WAFER 2P

SYMBOL	PARTS NO.	DESCRIPTION
CP406	068 B7B-PH-KS	CONNECTOR WAFER 7P
CP410	068 B8B-PH-KS	CONNECTOR WAFER 8P
(IC403,438)	068 PLCC32GS	IC SOCKET
016 E-1450H00 PCB ASSY		
	501 E-1450	PCB ASSY (HDMI)
L1-8	021 ACM2012D	EMC FILTER COIL ACM2012D-900-2P
L9-12	021 ACM2012H	EMC FILTER COIL ACM2012H-900-2P
L13,14	025 BK2125HS101	BEAD COIL BK2125HS101-T
IC6,IC15	031 74HC04	IC SMD (HEX INVERTER) 74HC04
IC8,IC17	031 74HC123	IC SMD (MULTIVIBRATOR) 74HC123
IC7,IC11,IC14	031 74HC125	IC SMD (QUAD BUFFER) 74HC125
IC2	031 74HC157	IC SMD (QUAD MPX) 74VHC157
IC9,IC16	031 74HC74	IC SMD (EDGE TRIGGER) 74HC74
IC3	031 AME1117CCGT	IC SMD (REGULATOR) ABF 3.3V
IC4,IC13	031 AME8801SEEV	IC SMD (REGULATOR) AME8801SEEVZ
IC10,IC12	031 LTC1694	IC SMD (ACEELERATOR) LTC1694CS5#TR
IC5	031 SN74CB3Q3305	IC SMD (BUS SWITCH)
IC1	031 TMDS341	IC SMD (SWITCH)
Q1,Q2,Q6,Q8,Q10-Q13	032 2N7002	FET CHIP 2N7002
Q4,Q5,Q7,Q9	032 KRC107S	TRANSISTOR CHIP KRC107S
Q3	032 KRC231S	TRANSISTOR CHIP KRC231S
C1-6	034 AVRL161	VARISTOR DIODE SMD
ZD1-6	034 KDZ6.2V	ZENER DIODE 6.2V (AB2)
D1-4	034 RCLAMP0504M	DIODE RCLAMP0504M.TBT
D7,D8,D9	037 KDS184RTK	DIODE CHIP KDS184RTK
C8,12,14,16,22,32,34,38,46,51,53	047 3535104122	CERAMIC CAPACITOR CHIP 0.1uF
C57-62,CG1-CG3,C36,37,42,43,44	047 3535104122	CERAMIC CAPACITOR CHIP 0.1uF
C41,55	047 3535152122	CERAMIC CAPACITOR CHIP 1500pF
C48,49	047 3535200122	CERAMIC CAPACITOR CHIP 20pF
C10,13,50	047 ECFS1A221M	ELECTROLYTIC CAPACITOR SMD 10V220uF
C7	047 ECFS1A471M	ELECTROLYTIC CAPACITOR SMD 10V470uF
C11	047 ECFS1C100M	ELECTROLYTIC CAPACITOR SMD 16V10uF
C35,52	047 ECFS1C101M	ELECTROLYTIC CAPACITOR SMD 16V100uF
C47	047 ECFS1C220M	ELECTROLYTIC CAPACITOR SMD 16V22uF
C45	047 ECFS1E4R7M	ELECTROLYTIC CAPACITOR SMD 2.5V4.7uF
C19-21,23-31,39,56	047 ECJ1VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
C15,17,33,54	047 ECJ1VG1H102J	CERAMIC CAPACITOR CHIP 0.001uF
R13,52,75	055 ERJ3EKF1000V	RESISTOR CHIP 100
R1,2,5,6,28,40,41,46,49,57,60-62,65,72,77,44,66	055 ERJ3EKF1001V	RESISTOR CHIP 1K
R35,42,51,5456,73,74	055 ERJ3EKF1002V	RESISTOR CHIP 10K
R58	055 ERJ3EKF1003V	RESISTOR CHIP 100K
R11,12	055 ERJ3EKF10R0V	RESISTOR CHIP 10
R48,71	055 ERJ3EKF1801V	RESISTOR CHIP 1.8K
R31,32,36,43,63,67	055 ERJ3EKF2001V	RESISTOR CHIP 2K
R59,64	055 ERJ3EKF3001V	RESISTOR CHIP 3K
R33,34,45,68	055 ERJ3EKF3301V	RESISTOR CHIP 3.3K
R37,38	055 ERJ3EKF3901V	RESISTOR CHIP 3.9K
R29	055 ERJ3EKF4641V	RESISTOR CHIP 4.64K
R14-23,27,47,50,69,70	055 ERJ3EKF4701V	RESISTOR CHIP 4.7K
R30,53,55,76	055 ERJ3EKF4702V	RESISTOR CHIP 47K
R39	055 ERJ3EKF6802V	RESISTOR CHIP 68K
R3,4,7-10,24,26	055 ERJ3GEY0R00V	RESISTOR CHIP 0
CP415	068 B2B-PH-KS	CONNECTOR WAFER 2P
JACK1-3	068 YKF45-7009	HDMI SOCKET
016 E-1479C00 PCB ASSY		
	501 E-1479	PCB ASSY (INPUT)

SYMBOL	PARTS NO.	DESCRIPTION
LD502	021 TLAL02TB100K	MICRO INDUCTOR 10uH
LD501	021 TLAL02TB101K	MICRO INDUCTOR 100uH
LD503	021 TLAL02TB4R7K	MICRO INDUCTOR 4.7uH
XTD501	023 HC49U-001WR	CRYSTAL 14.31818MHz
IC230-232	031 ADG704BRM	IC SMD (4CH MPX) ADG704BRMZ
IC233,235	031 ADG774BR	IC SMD (MPX) ADG774BRZ
IC211,212	031 HEF4094BT	IC SMD (SHIFT REGISTER)
IC234	031 LT1397CS	IC SMD (OPE AMP) LT1397CS#PBF
ICD522	031 MB90050PF-G-001	IC SMD (OSD)
ICD521	031 MM1108XFFE	IC SMD (SYNC SEPARATOR)
IC201-207	031 NJM5532M	IC SMD (OPE AMP)
IC223	031 NJM7812FA	IC (REG. +12V) KIA7812API
IC208-210,215	031 TC9163CFG	IC SMD (SWITCH ALLEY)
IC222	031 TC9459BFG	IC SMD (VOLUME)
IC213,214,216-221,224	031 TL072CD	IC SMD (OPE DUAL)
Q201-205	032 KRA107S	TRANSISTOR CHIP KRA107S
Q505	032 KRC107S	TRANSISTOR CHIP KRC107S
Q206-218,224,225	032 KRC231S	TRANSISTOR CHIP KRC231S
QD504	032 KTA1271	TRANSISTOR KTA1271
QD501-503	032 KTC3875S-Y	TRANSISTOR KTC3875
DD503	037 KDS184RTK	DIODE CHIP KDS184RTK
D201-203	037 KDS226RTK	DIODE CHIP KDS226RTK
C349,354-361,365,369-372,390,392,CD510,521	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C366-368	041 TUTES1A471-7TF	ELECTROLYTIC CAPACITOR 10V470uF
C229,258-281,298-309,397,398	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
CD502,504	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C230-257,282-287,296,297,310-326,335-342,	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C345,346,353,393-396,CD508,509,518	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
CD506	041 TUTES1H3R3-7TF	ELECTROLYTIC CAPACITOR 50V3.3uF
CD517	041 TUTES1H0R1-7TF	ELECTROLYTIC CAPACITOR 50V0.1uF
CD523	041 TUTES1H2R2-7TF	ELECTROLYTIC CAPACITOR 50V2.2uF
CD513-515	047 3536200122	CERAMIC CAPACITOR 22pF
C294,295	047 ECJ2VB1H153K	CERAMIC CAPACITOR CHIP 0.015uF
CD507	047 ECJ2VB1H392K	CERAMIC CAPACITOR CHIP 3900pF
C288,289,C290-293,351,352	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CD503,511,512,519,520	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C201-228,327-334,343,344,347,348,CD516,	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CD501,505	047 ECJ2VG1H561J	CERAMIC CAPACITOR 56pF
RD501	055 ERJ63NF5600V	RESISTOR CHIP 560
R418,419	055 ERJ6ENF1000V	RESISTOR CHIP 100
RD505,512,513,514	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R201-214,216-221,282-285,300,301,316-323	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R340-347,353,354,359,360,373,374	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R352,369,370,375,400,RD510,511,515,517,519	055 ERJ6ENF1002V	RESISTOR CHIP 10K
R230-243,332-339,357,358,365,366,371,372	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R371,372,392-394,RD504	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R294,295,348-351,376,411-414,RD507	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R395-398,R399,417	055 ERJ6ENF10R0V	RESISTOR CHIP 10
RD520	055 ERJ6ENF1800V	RESISTOR CHIP 180
R296,297,R367,368	055 ERJ6ENF1801V	RESISTOR CHIP 1.8K
R258-281,302-315,361,362,457,458	055 ERJ6ENF2200V	RESISTOR CHIP 220
RD508,509	055 ERJ6ENF2202V	RESISTOR CHIP 22K
R405-410,415,416	055 ERJ6ENF2700V	RESISTOR CHIP 270
R286-289,324-331,R355,356,451,452,RD502	055 ERJ6ENF3303V	RESISTOR CHIP 330K
R222-225	055 ERJ6ENF3902V	RESISTOR CHIP 39K
R244-257,290-293,453,454,455,456,RD506	055 ERJ6ENF4701V	RESISTOR CHIP 4.7K
R401-404	055 ERJ6ENF47R0V	RESISTOR CHIP 47

SYMBOL	PARTS NO.	DESCRIPTION
R380-391	055 ERJ6ENF75R0V	RESISTOR CHIP 75
RD516	055 ERJ6ENF75R0V	RESISTOR CHIP 75
R298,299	055 ERJ6ENF8200V	RESISTOR CHIP 820
RD503	055 ERJ6ENF8202V	RESISTOR CHIP 82K
RLY201	063 EA2-12NU	RELAY EA2-12NU
JAK201-204	066 C-4792A01	6P PIN JACK (W.R)
JK206,207	066 C-4833A01	6P PIN JACK (G.BLU.R)
CP201	068 B13B-PH-KS	CONNECTOR WAFER 13P
CNT100	068 C-4867A01	FPC CONNECTOR 17P (TOP TYPE)
016 E-1480C00 PCB ASSY		
	501 E-1480	PCB ASSY (VIDEO)
LD302,402	021 TLAL02TB100K	MICRO INDUCTOR 10uH
LD301,401,LV404-406	021 TLAL02TB101K	MICRO INDUCTOR 100uH
LV401-403,407-410	021 TLAL02TB270K	MICRO INDUCTOR 27uH
LD303,403,LV411	021 TLAL02TB4R7K	MICRO INDUCTOR 4.7uH
XT403	023 CSBLA503KECF02BO	CERAMIC RESONATOR 500KHz
XTD301,401	023 HC49U-001WR	CRYSTAL 14.31818MHz
XT402	023 HC49US-010	CRYSTAL HC49US3.579545MHz
XT401	023 HC49US-011	CRYSTAL HC49US4.433619MHz
ICV404	031 KIA7809AF-RTF/P	IC SMD (REG.+9VDC)
ICD322,422	031 MB90050PF-G-001	IC SMD (OSD)
ICD321,421	031 MM1108XFFE	IC SMD (SYNC SEPARATOR)
ICV403,407	031 NJM2283M	IC (VIDEO SWITCH)
ICV405	031 TA1270BF	IC SMD (VIDEO) TA1270BFG
ICV402	031 TC90A69F	IC SMD (Y/C SEPARATOR) TC90A69FG
IC301,302,307,308	031 TC9163CFG	IC SMD (SWITCH ALLEY)
ICV406	031 TDA4665T	IC SMD (1H DELAY)
IC304-306,310,313,ICV401	031 TSH94ID	IC SMD (VIDEO AMP) TSH94ID\$9AF
Q301,302,QV406,QD305,405	032 KRC107S	TRANSISTOR CHIP KRC107S
QD301-303,401-403	032 KTC3875S-Y	TRANSISTOR CHIP KTC3875
QV401-405	032 TC3708-ST	TRANSISTOR 2SC3708AA-ST
DV401	034 T1N4148-86	DIODE 1N4148TAP-50
DZ402	034 TRD5.1JST1	ZENER DIODE RD5.1JS-T1-AZ(AB2)
DD301,302,303,401,402,403	037 KDS184RTK	DIODE CHIP KDS184RTK
D301	037 KDS226RTK	DIODE CHIP KDS226RTK
C326-331,341,342,390-393,CV403-407,410	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
CV416,417,430,438,439,CV450,467,477	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
CV465	041 TUTES1E101-7TF	ELECTROLYTIC CAPACITOR 25V100uF
CV482	041 TUTES1E220-7TF	ELECTROLYTIC CAPACITOR 25V22uF
CV414	041 TUTES1E221-7TF	ELECTROLYTIC CAPACITOR 25V220uF
CV425,426,448,452,487	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
CV454,CD302,304,402,404	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C305-309,337-340,CV412,441,447,479,480,484	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
CV485,CD308,309,318,319,408,409,418,419	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
CV460,462,CD323,423	041 TUTES1H2R2-7TF	ELECTROLYTIC CAPACITOR 50V2.2uF
CD306,406	041 TUTES1H3R3-7TF	ELECTROLYTIC CAPACITOR 50V3.3uF
CD317,417	041 TUTES1H0R1-7TF	ELECTROLYTIC CAPACITOR 50V0.1uF
CV458	041 TUTES1HR22-7TF	ELECTROLYTIC CAPACITOR 50V0.22uF
CV461,476	044 TBF014D0104J	M.P CAPACITOR 63V0.1uF
CV457	044 TBF014D0222J	M.P CAPACITOR 63V0.0022uF
CV463	044 TBF014D0223J	M.P CAPACITOR 63V0.022uF
CV424	044 TBF074D0474J	M.P CAPACITOR 63V0.47uF
CD313-315,413-415	047 3536200122	CERAMIC CAPACITOR CHIP 22pF
CV420-423,427-429,434,435,459	047 ECJ2VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
CD307,407	047 ECJ2VB1H392K	CERAMIC CAPACITOR CHIP 3900pF
C301-304,334-336,371-388,CD303,311,312	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CD320,321,403,411,412,420,421,CV401,402,411	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF

SYMBOL	PARTS NO.	DESCRIPTION
CV413,415,418,419,431,432,440,444-446,449	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CV451,453,464,466,468-473,478,481,483,486,	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CD316,416	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CV437,443,455,456	047 ECJ2VG1H120J	CERAMIC CAPACITOR CHIP 12pF
CV408,409,436,442	047 ECJ2VG1H220J	CERAMIC CAPACITOR CHIP 22pF
CV474,475	047 ECJ2VG1H560J	CERAMIC CAPACITOR CHIP 56pF
CD301,305,401,405	047 ECJ2VG1H561J	CERAMIC CAPACITOR CHIP 560pF
CV433	047 ECJ2VG1H681J	CERAMIC CAPACITOR CHIP 680pF
R341-348,394-398,RV410,423,424,448,449	055 ERJ6ENF1000V	RESISTOR CHIP 100
R322,323,326,327,349-364,367	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R389-392,399-405,407,408,RV403,439	055 ERJ6ENF1001V	RESISTOR CHIP 1K
RD305,312-314,405,412-414	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R393,340,460,461	055 ERJ6ENF1002V	RESISTOR CHIP 10K
RV404-406,416,430,436,451,457,458,460,461	055 ERJ6ENF1002V	RESISTOR CHIP 10K
RD310,311,315,317,319,410,411,415,417,419	055 ERJ6ENF1002V	RESISTOR CHIP 10K
RD304,307,404,407	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R368-373,411,412,466,467	055 ERJ6ENF10R0V	RESISTOR CHIP 10
RV401,402,438,447,450,456,459,462	055 ERJ6ENF10R0V	RESISTOR CHIP 10
R406,RV414,428,434	055 ERJ6ENF1201V	RESISTOR CHIP 1.2K
RV408,412	055 ERJ6ENF1500V	RESISTOR CHIP 150
RV415,429,435	055 ERJ6ENF1502V	RESISTOR CHIP 15K
R320,321,324,325,385-388	055 ERJ6ENF2200V	RESISTOR CHIP 220
RD308,309,408,409	055 ERJ6ENF2202V	RESISTOR CHIP 22K
RV425,446	055 ERJ6ENF3300V	RESISTOR CHIP 330
RV445,RD318,418	055 ERJ6ENF3301V	RESISTOR CHIP 3.3K
RV444	055 ERJ6ENF3302V	RESISTOR CHIP 33K
RD302,402	055 ERJ6ENF3303V	RESISTOR CHIP 330K
R365,366,409,410	055 ERJ6ENF3901V	RESISTOR CHIP 3.9K
RV452,453,RD306,406	055 ERJ6ENF4701V	RESISTOR CHIP 4.7K
RV417,431,437,RD301,401	055 ERJ6ENF5600V	RESISTOR CHIP 560
RV454,455	055 ERJ6ENF5601V	RESISTOR CHIP 5.6K
R301-319,375-384,464,465	055 ERJ6ENF75R0V	RESISTOR CHIP 75
RV409,440,441,RD316,416	055 ERJ6ENF75R0V	RESISTOR CHIP 75
RV413,426,427,432,433	055 ERJ6ENF8200V	RESISTOR CHIP 820
RD303,403	055 ERJ6ENF8202V	RESISTOR CHIP 82K
RV442,443	055 ERJ6GEYJ2R2V	RESISTOR CHIP 2.2
RV418,419	055 ERJ6GEYJ4R7V	RESISTOR CHIP 4.7
SW305,306	066 4TR-2964#10	3P PIN JACK AU (YEL)
SW301-303	066 C-4604B02	4P MINI DIN JACK YKF51-5520V
SW304	066 C-4860A01	4P PIN JACK AU (YEL)
HEAT SINK ASSEMBLY		
	501 E-1413-B	HEAT SINKER ASSY
	017 UF3-08A01	HEAT SINKER BOARD
	019 TO-126	MICA SHEET TBM-51W-15 #9524
	019 TO-3P	MICA SHEET TBM-51W-15 #9043
Q115,215,315,415,515	032 C4137-V	TRANSISTOR
Q114,214,314,414,514	033 A1386-OPY	TRANSISTOR 2SA1386A-OPY
Q113,213,313,413,513	033 C3519-OPY	TRANSISTOR 2SC3519A-OPY
CP251	034 P43T7D200BW20	POSISTOR
OTHERS		
	011 FP-612-B	BLACK PANEL ASSY
	011 FP-612-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)

SYMBOL	PARTS NO.	DESCRIPTION
(CP105)* (CP105)*	012 RV4-09A01	PUSH BUTTON 14Φ (SILVER)
	012 TB3-18A00	TACT BUTTON 16 KEY (BLACK)
	012 TB3-18A01	TACT BUTTON 16 KEY (SILVER)
	014 WH3-03A00	UPPER COVER
	019 4TSH-19#2	PLASTIC FOOT 50Φ (BLACK)
	019 C-4714A00	POWER KNOB RING 14Φ (BLACK)
	019 C-4714A01	POWER KNOB RING 14Φ (SILVER)
	022 T-1097U02	POWER TRANSFORMER
	034 SEL1124R	LED (RED) 1x5
	034 SEL1E24W	LED (BLU) 1x5
	061C-4838A00	ROCKER SWITCH SR1N6BB
	069 C-4629A01	AC 2P INLET 6102.3100 (WIRING)
	072 C-4621A03	AC CORD SET (SJTAWG16) for USA
	072 C-4622A02	AC CORD SET for AUSTRALIA
	072 C-4623A02	AC CORD SET for UK
	072 C-4624A03	AC CORD SET for EUROPE
	072 C-4786A01	COMPUTER I/O CABLE (6-P)
	072 C-4863A01	FLAT CABLE L=200mm 17PIN 1.25PITCH
	081 WH3-04A00	INSIDE CARTON
	081 WH3-05A00	SHIPPING CARTON
CNT100	081 ZE-208	ETHAFOAM MOULDING
	092 RR-1060	REMOTE CONTROL UNIT
	082 OMRSX-1057	OWNERS MANUAL

Addendum List for Black and Silver

RSX1057V02

SYMBOL	PARTS	DESCRIPTION
①	011 FP-612-B	BLACK PANEL ASSY
②	011 FP-612-S	SILVER PANEL ASSY
③	011 UF3-01B00	H/S PANEL H150
	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

Panel Assy is included:

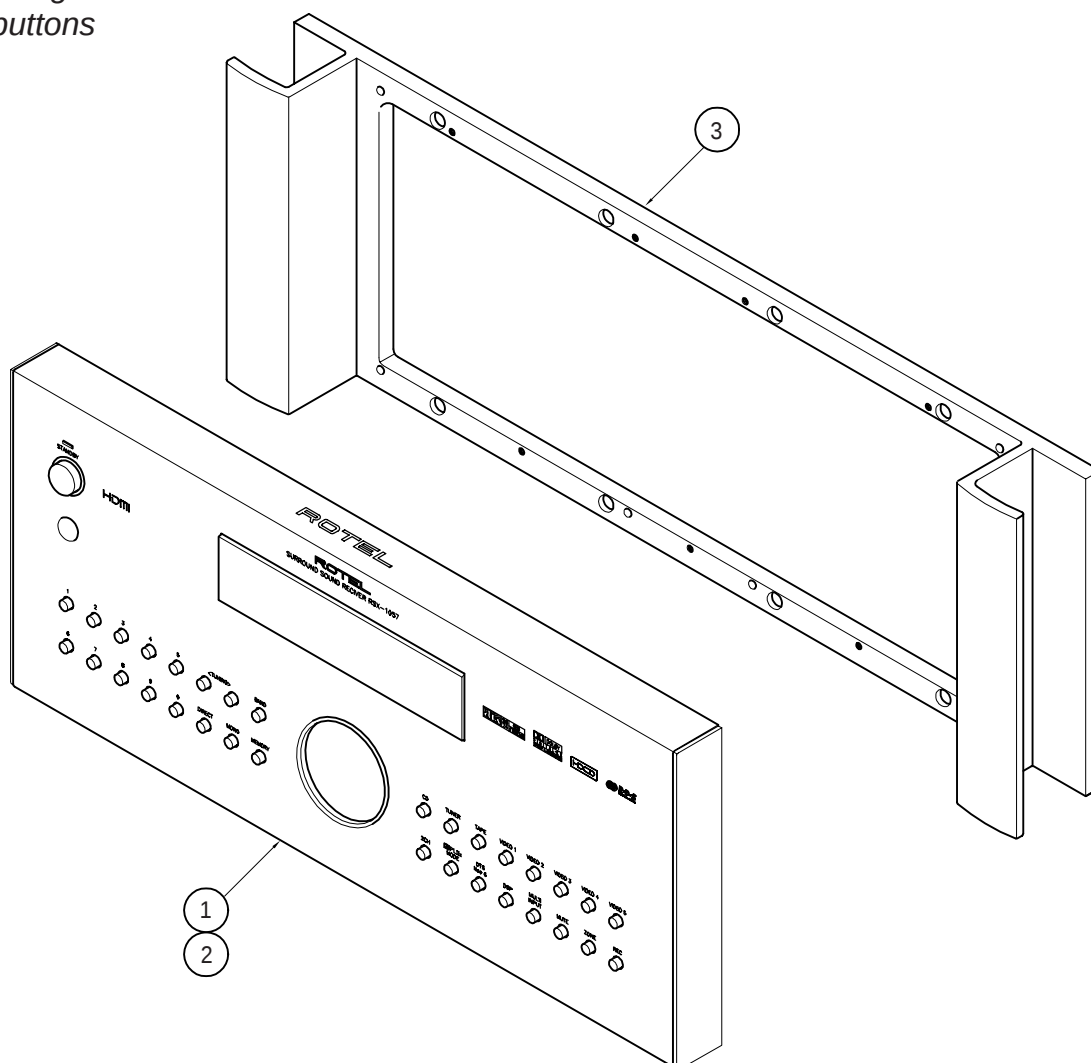
Panel Window

Side Cap

Knob Ring

Tact buttons

LED



Adjustment

Instruments : DC milli-voltmeter

Notes : Prior to Bias Adjustment, run about 5minutes with rated output(8ohms) and warm up Power Transistor and Heat Sink. Set input off.

Step	Coupling	Location	Adjust	Adjust for
1	ONE SIDE OF R541	E-1413 PCB	VR501	DC milli-voltmeter reads 4mV
2	ONE SIDE OF R141	E-1413 PCB	VR101	
3	ONE SIDE OF R341	E-1413 PCB	VR301	
4	ONE SIDE OF R441	E-1413 PCB	VR401	
5	ONE SIDE OF R241	E-1413 PCB	VR201	

<MEMO>

1. Light-up ALL FL segments to check:

Press "2CH" and "MUTE" of front panel while turn on the rear panel master power switch. When release the lighting, press STANDBY switch or master power switch.

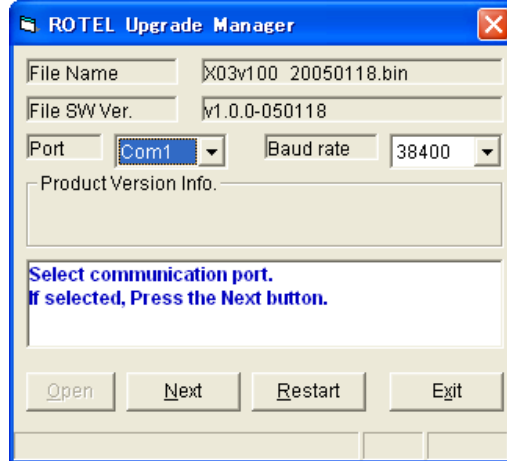
RSX-1057 Main Software Upgrade Procedure

Install the "Main FlashUp" program which is provided by ROTEL in the computer. And connect RS232 Cable with DB-9 to RJ45 terminations.

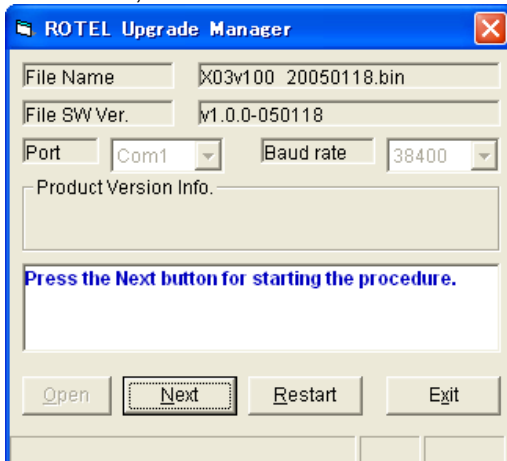
1. Click "Open File" -> Select Upgrade file



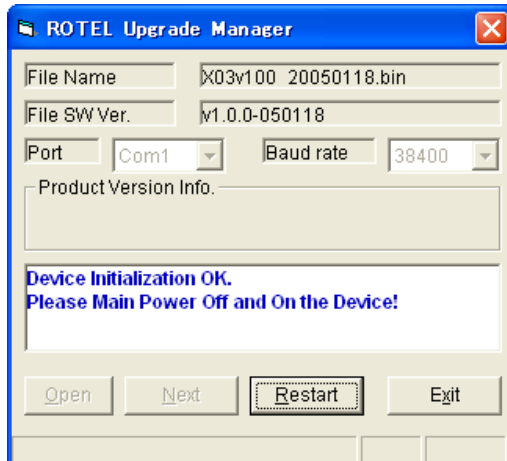
2. Confirm Port and Baud Rate setting. Then, click "Next" button. (ref: RSX-1057 Baud Rate is 19200)



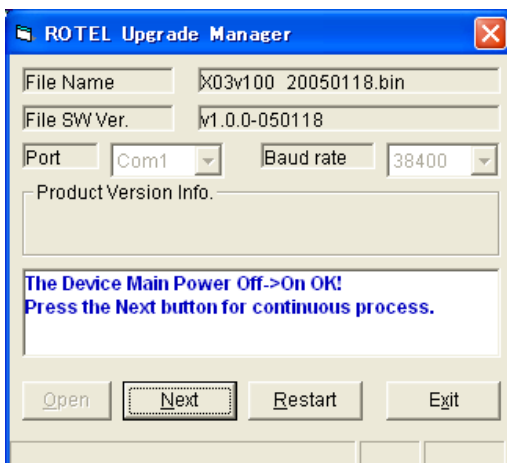
3. Communication port initializing Wait. Then, click "Next" button.



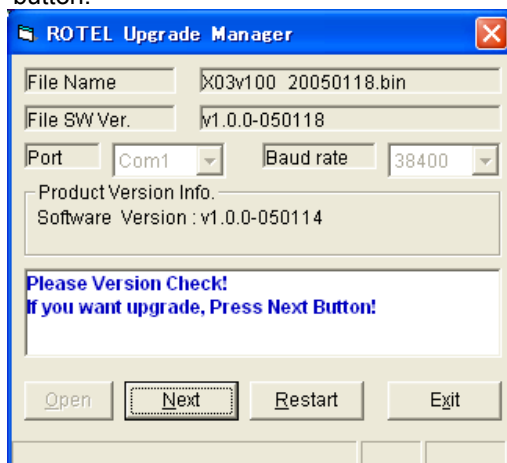
4. Power off the main switch of rear. And on again.



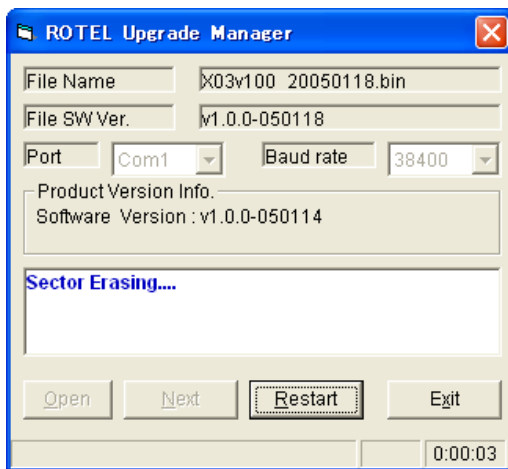
5. Click "Next" button.



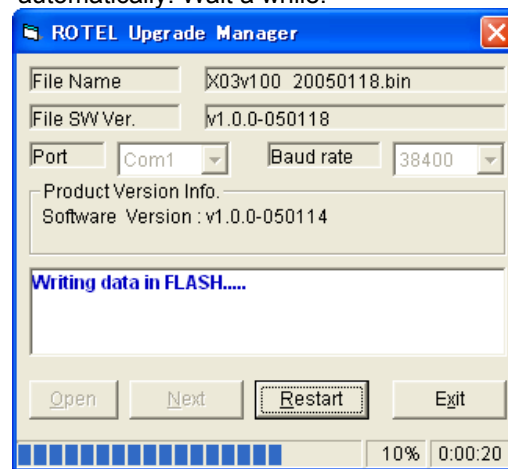
6. The device's current version is displayed. Click "Next" button.



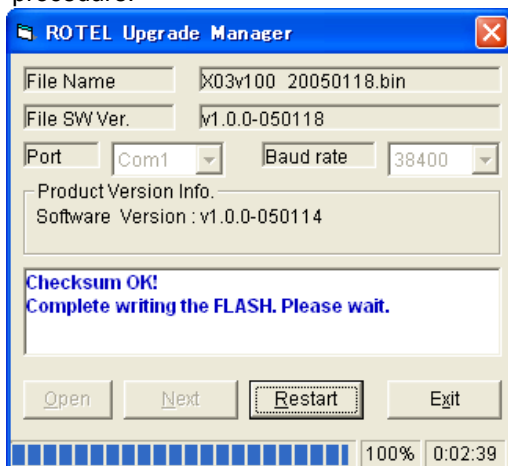
7. The sector is erasing. Wait a moment.



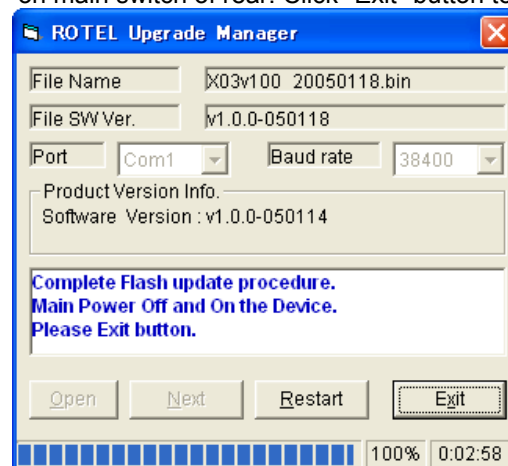
8. The sector is erased. The flash is writing automatically. Wait a while.



9. If the writing and checksum is OK, wait a next procedure.



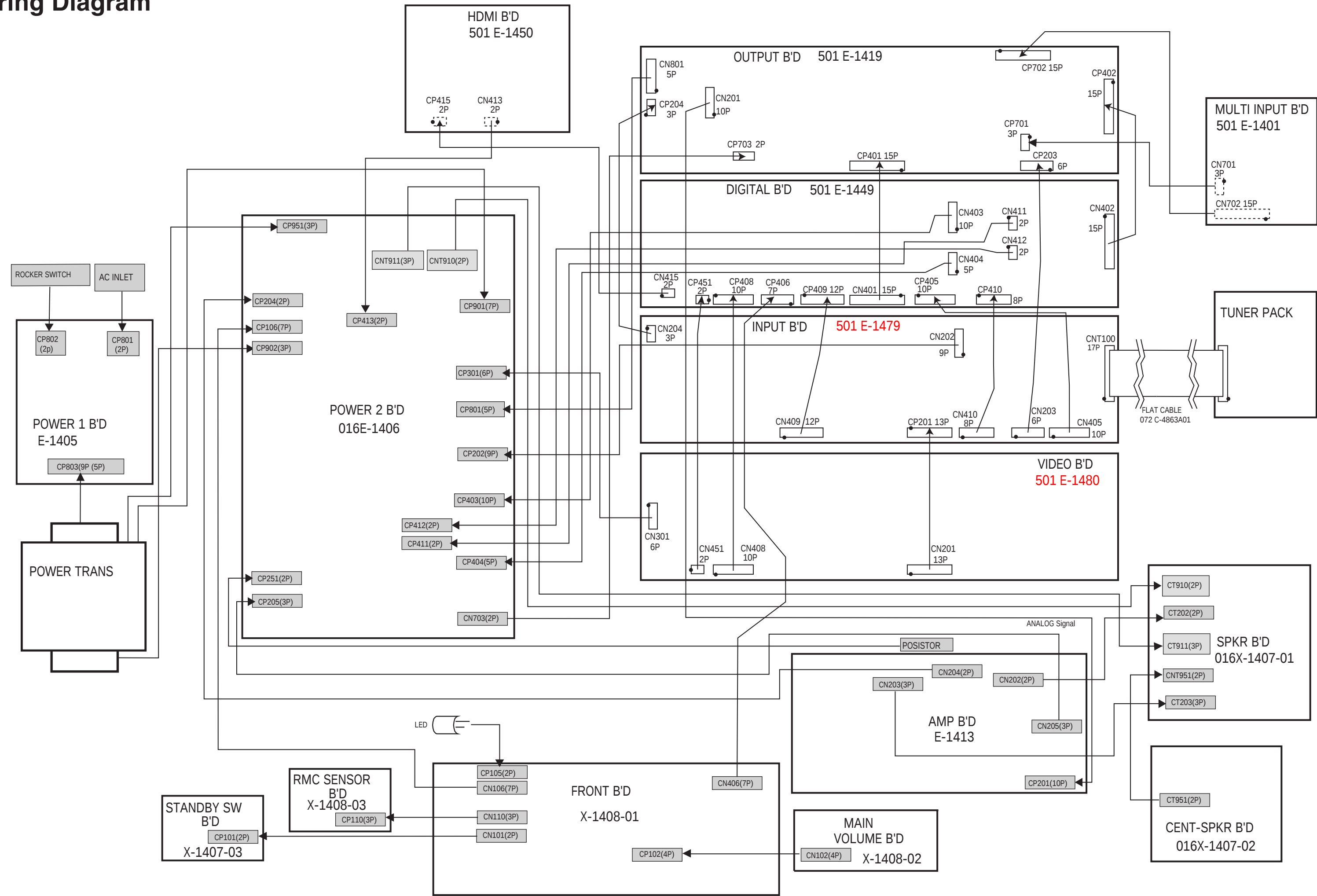
10. Completed all procedure. Power off and on again on main switch of rear. Click "Exit" button to finish the

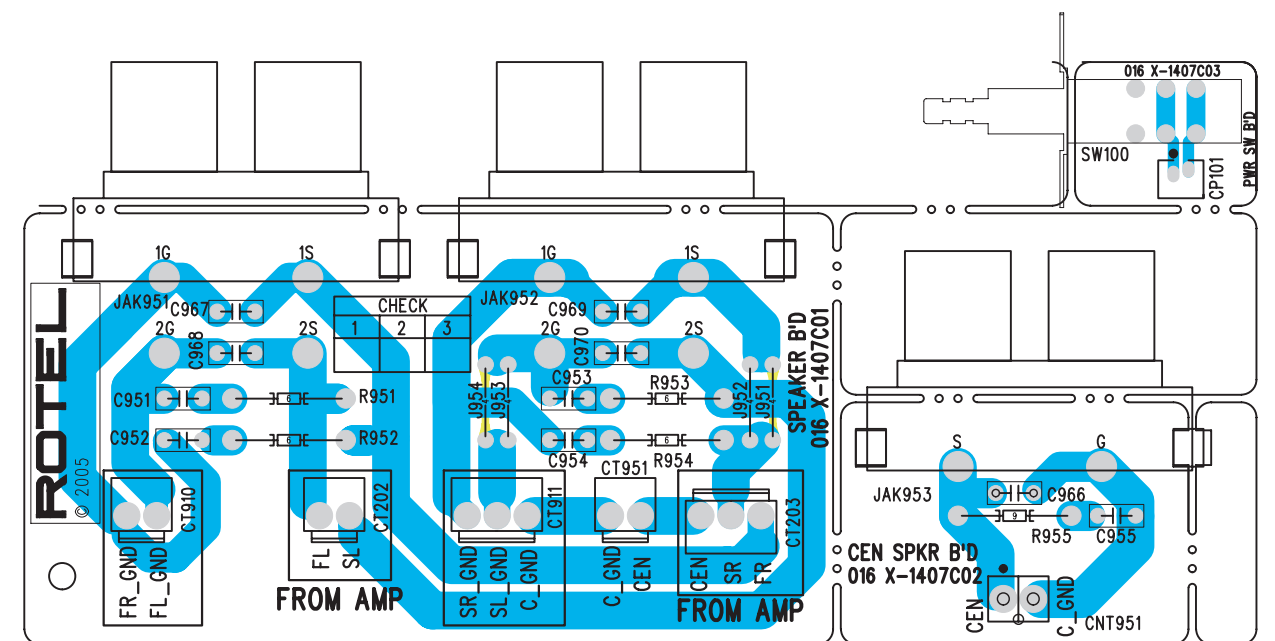
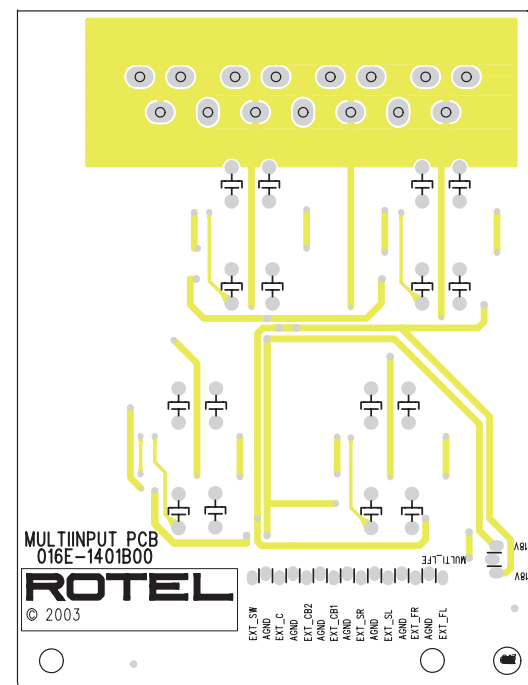


11. Finish.

<Memo>

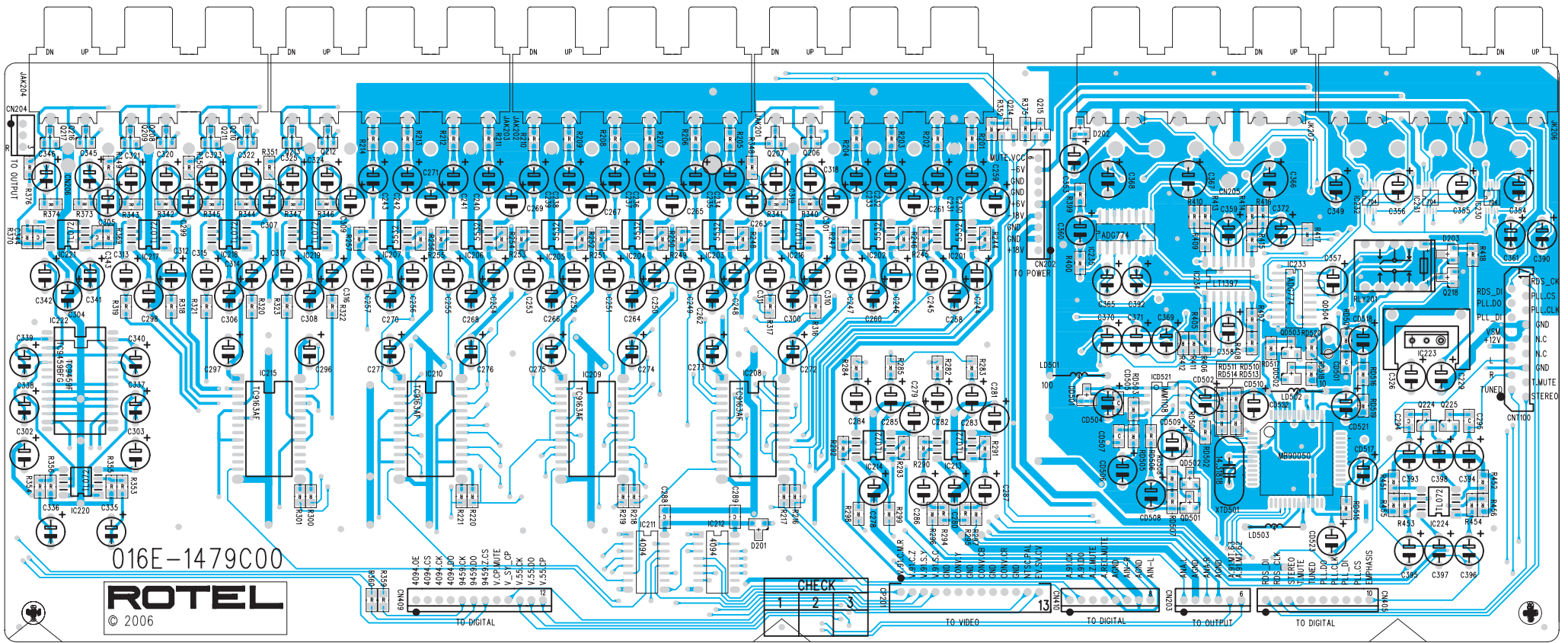
Wiring Diagram



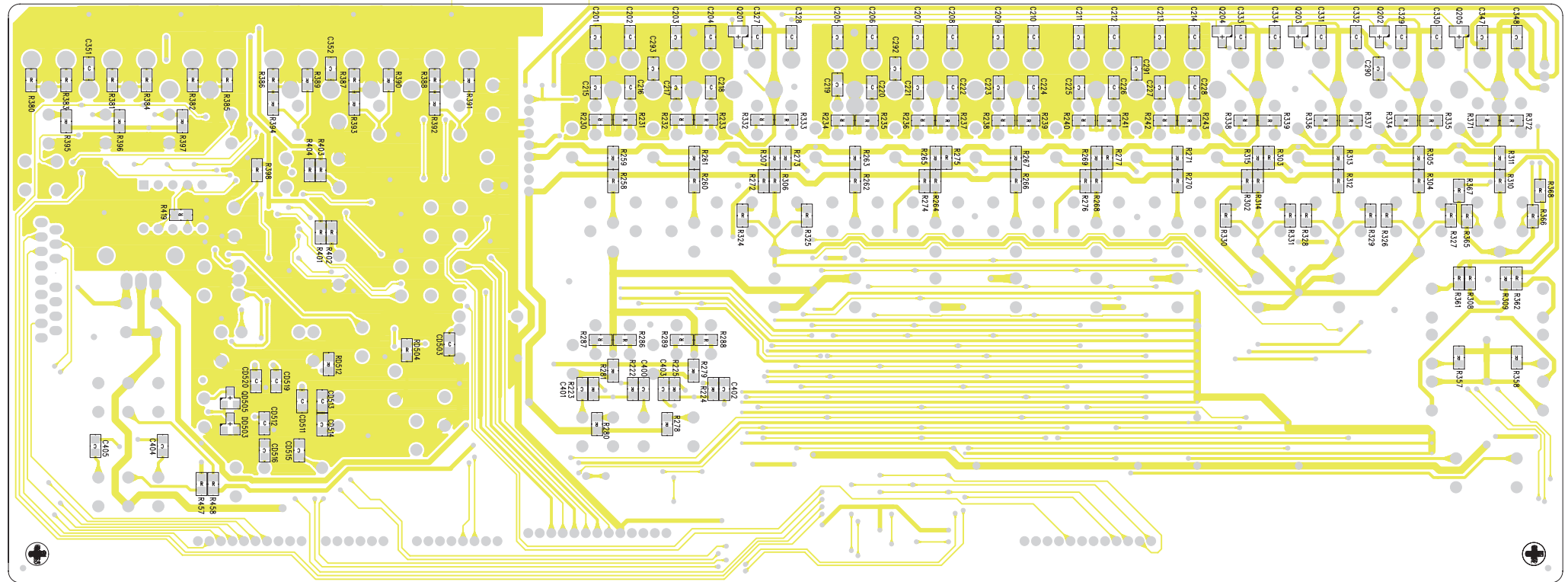


Input PCB 016 E-1479C00

Top View

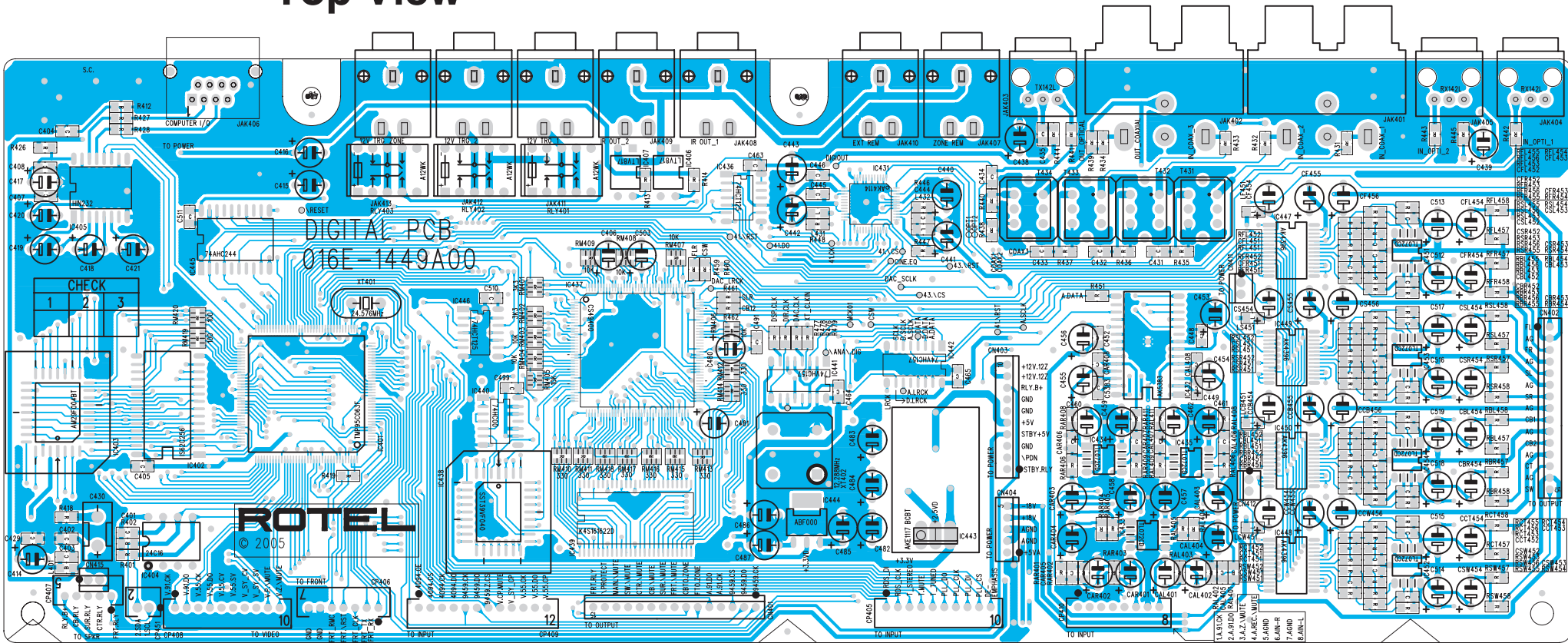


Bottom View

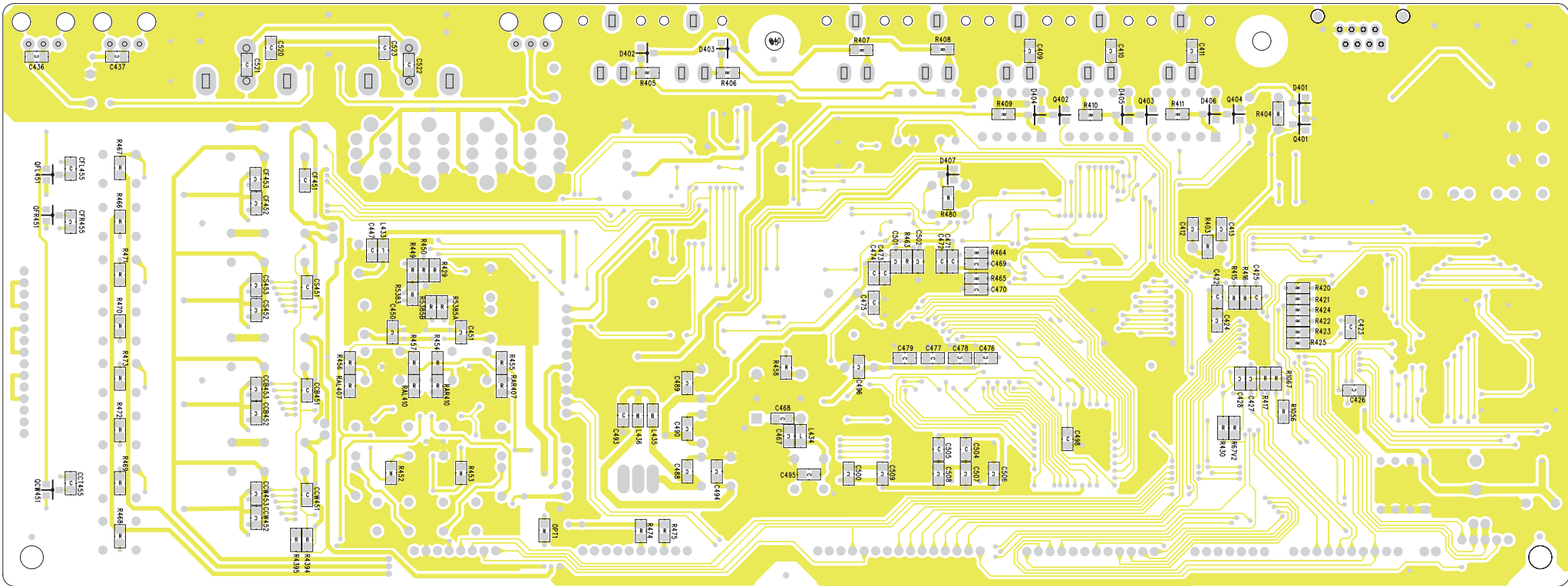


Digital PCB 016 E-1449A00

Top View



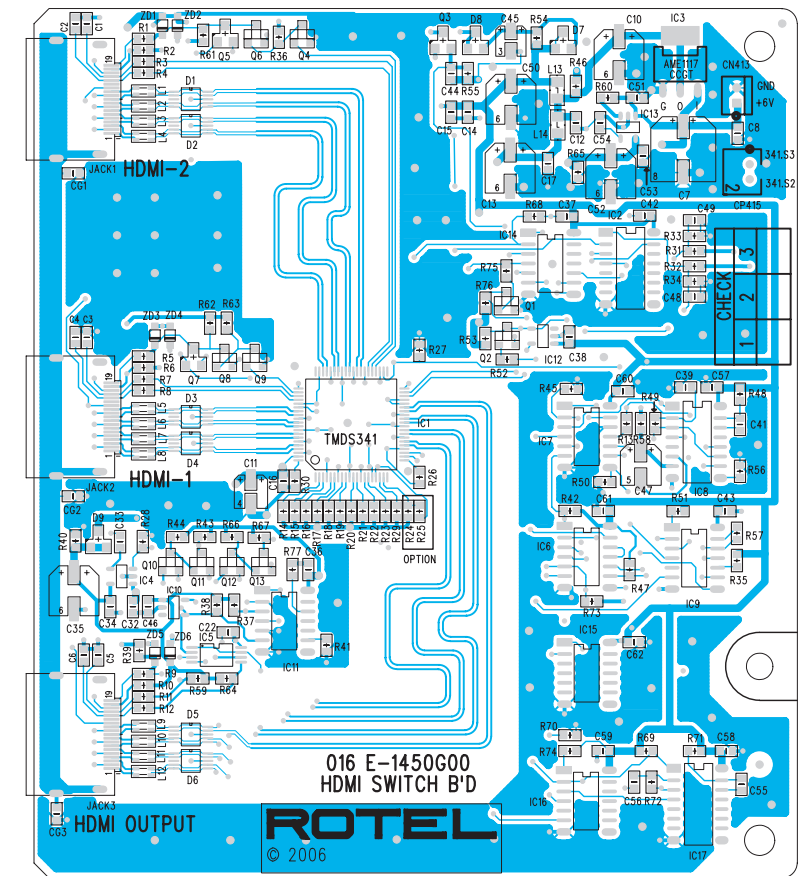
Bottom View



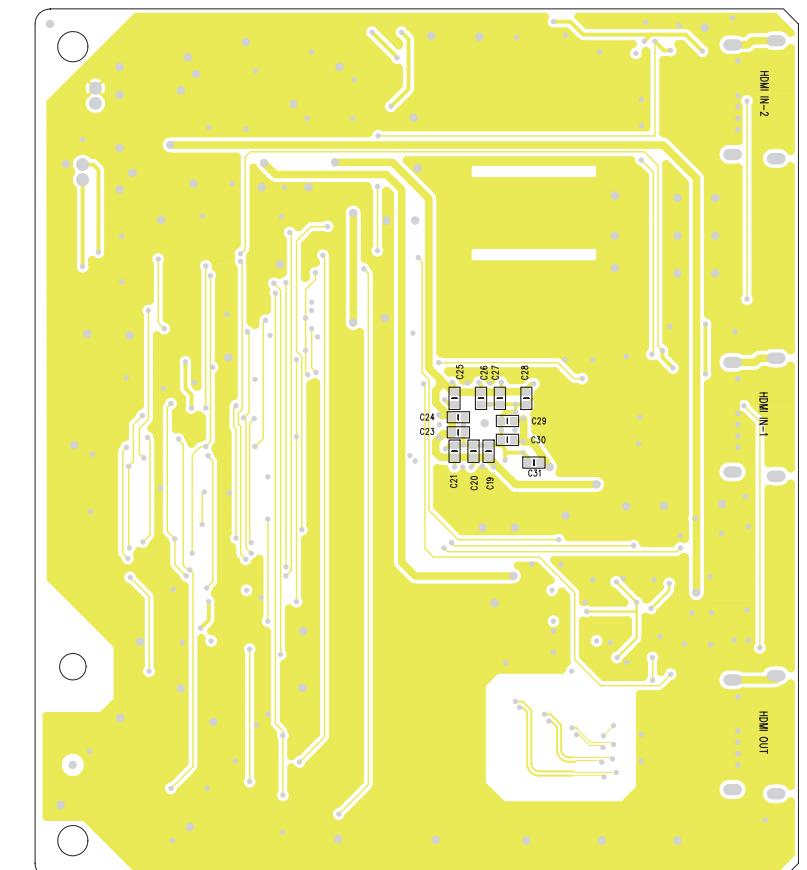
HDMI PCB 016 E-1450H00

Top View

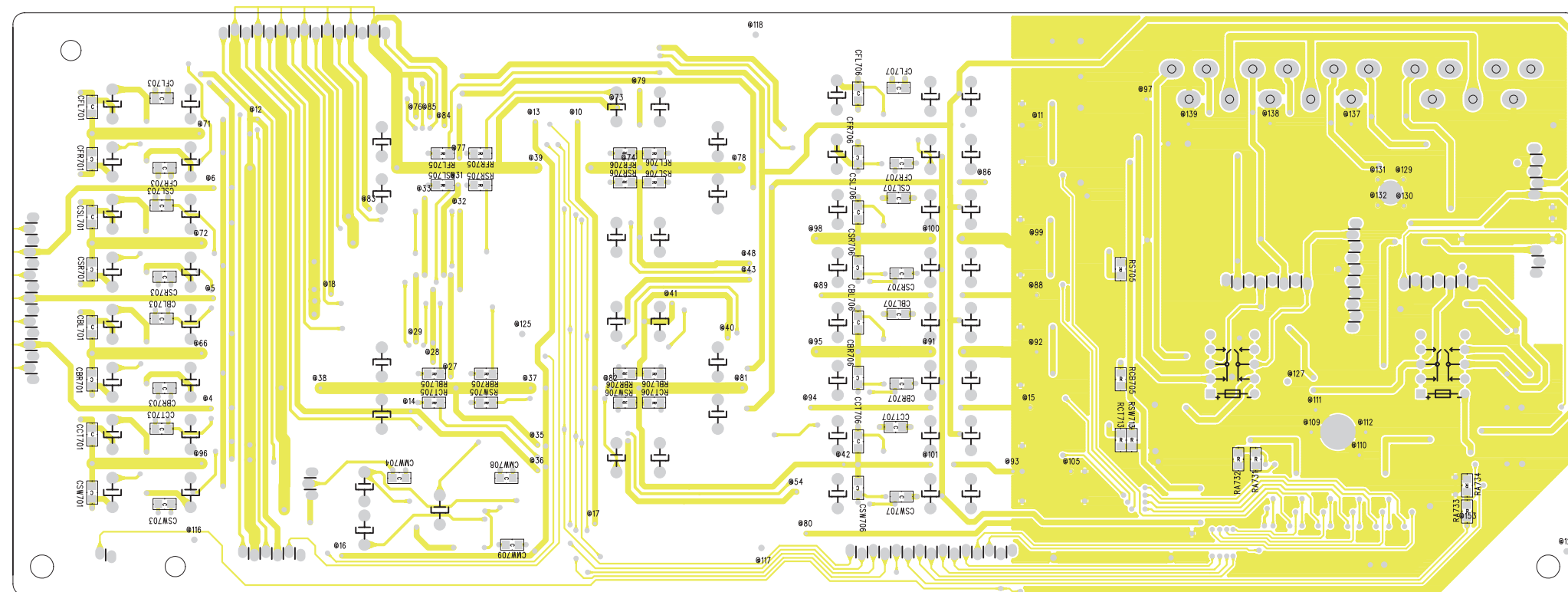
Top View



Bottom View

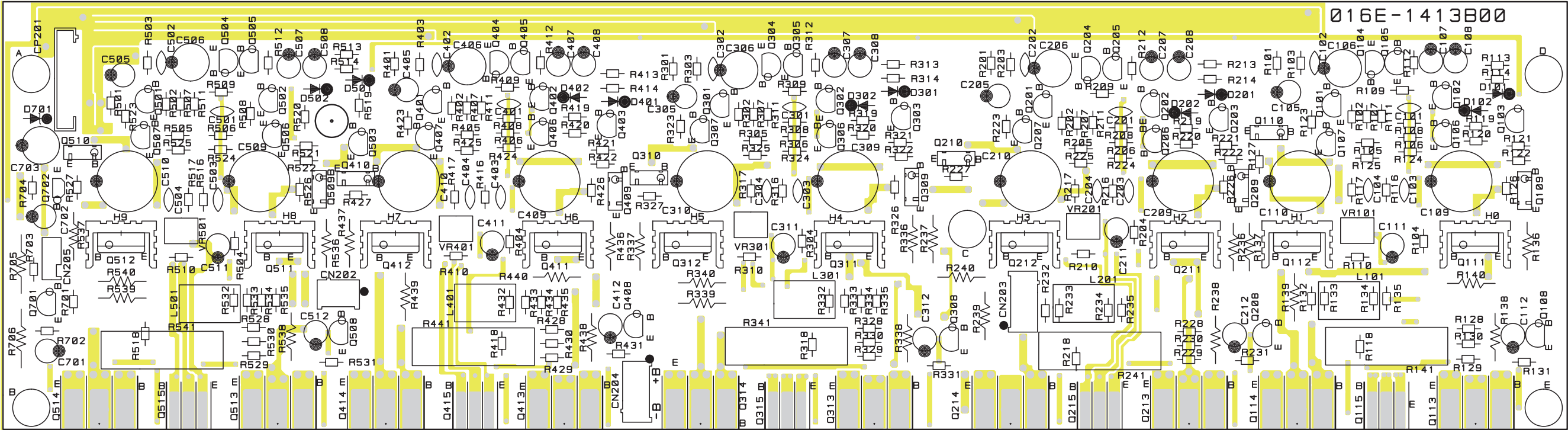


Top View

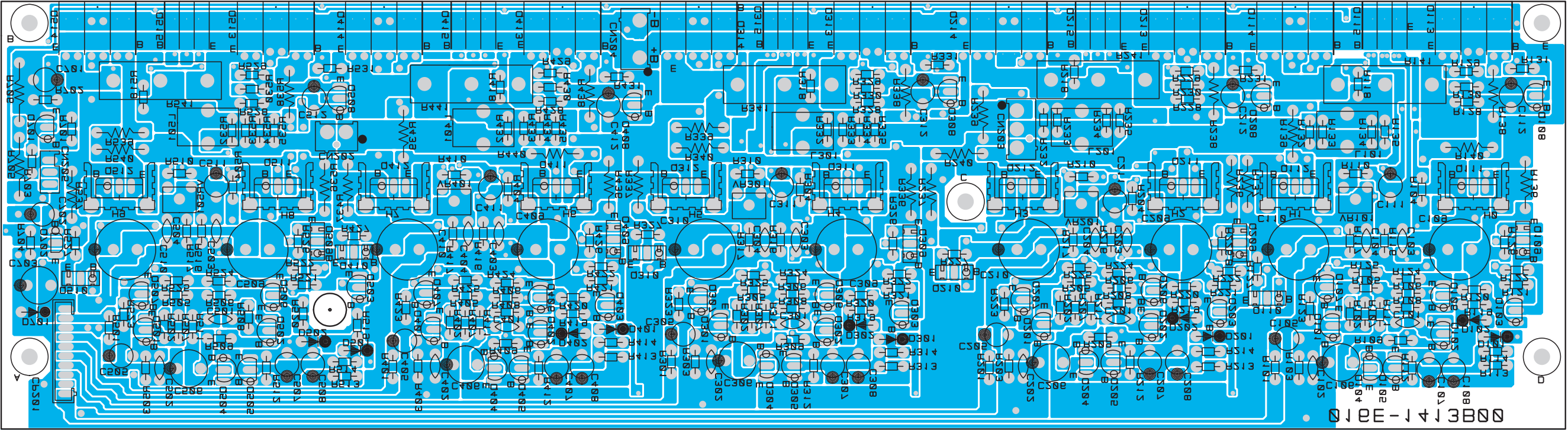


Power Amplifier 016 E-1413B00

TOP VIEW

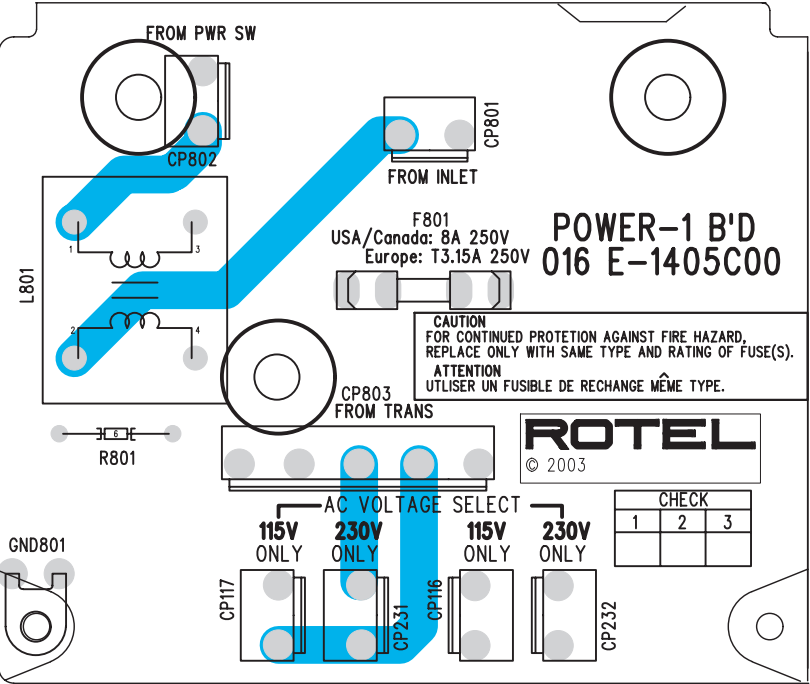


BOTTOM VIEW

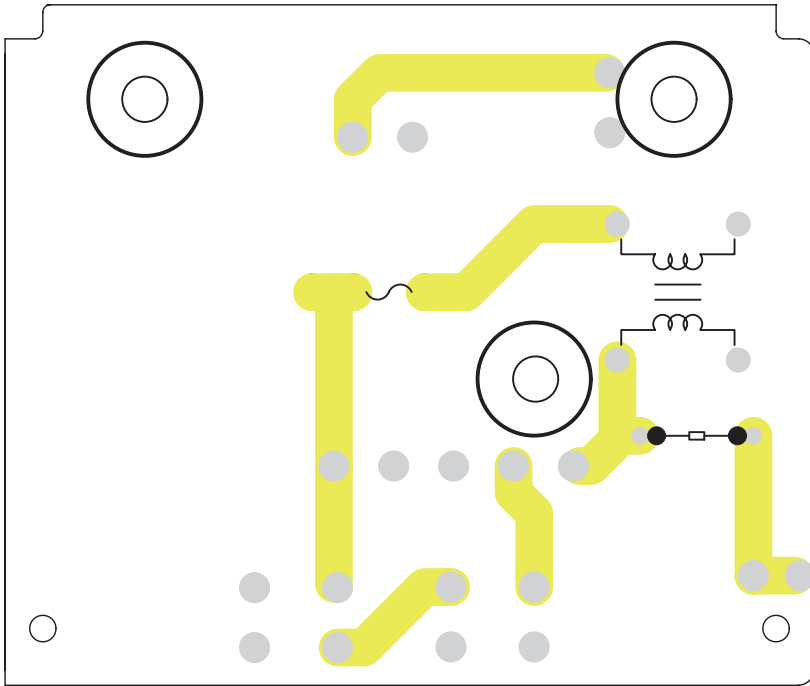


Power-1 PCB 016 E-1405C00

Top View

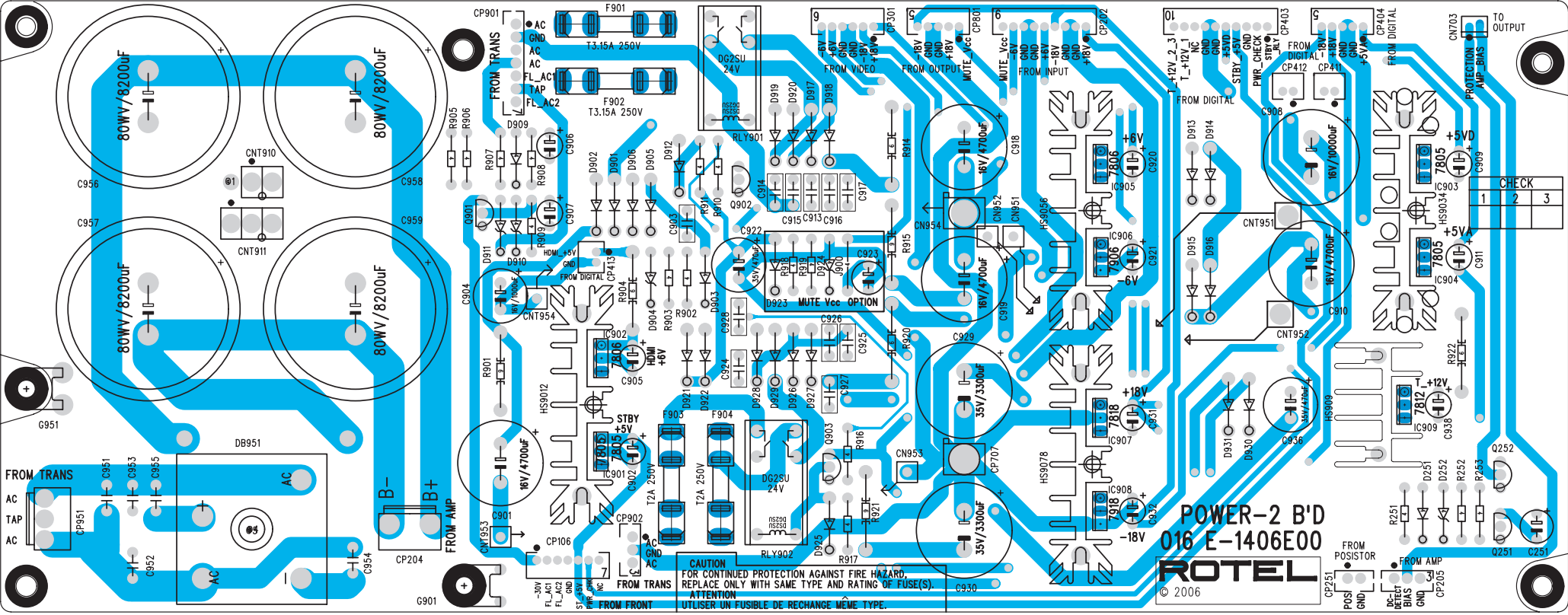


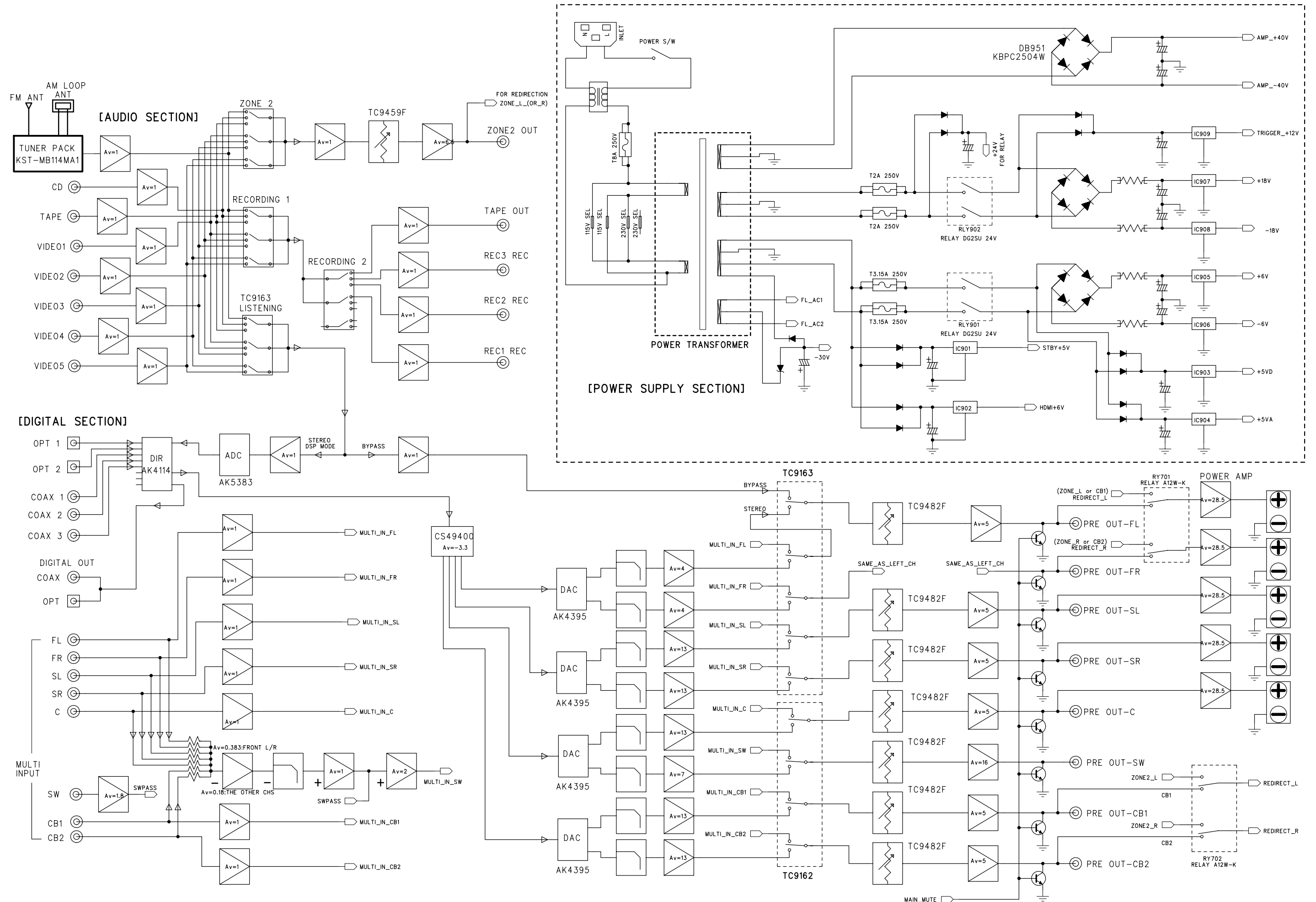
Bottom View



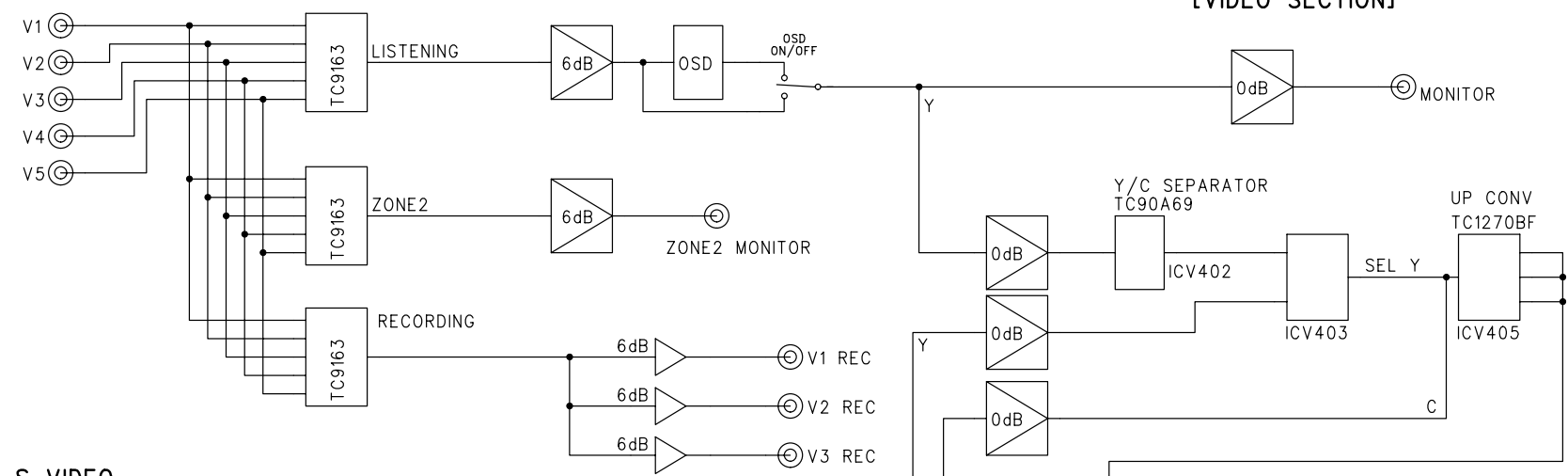
Power-2 PCB 016 E-1406E00

Top View



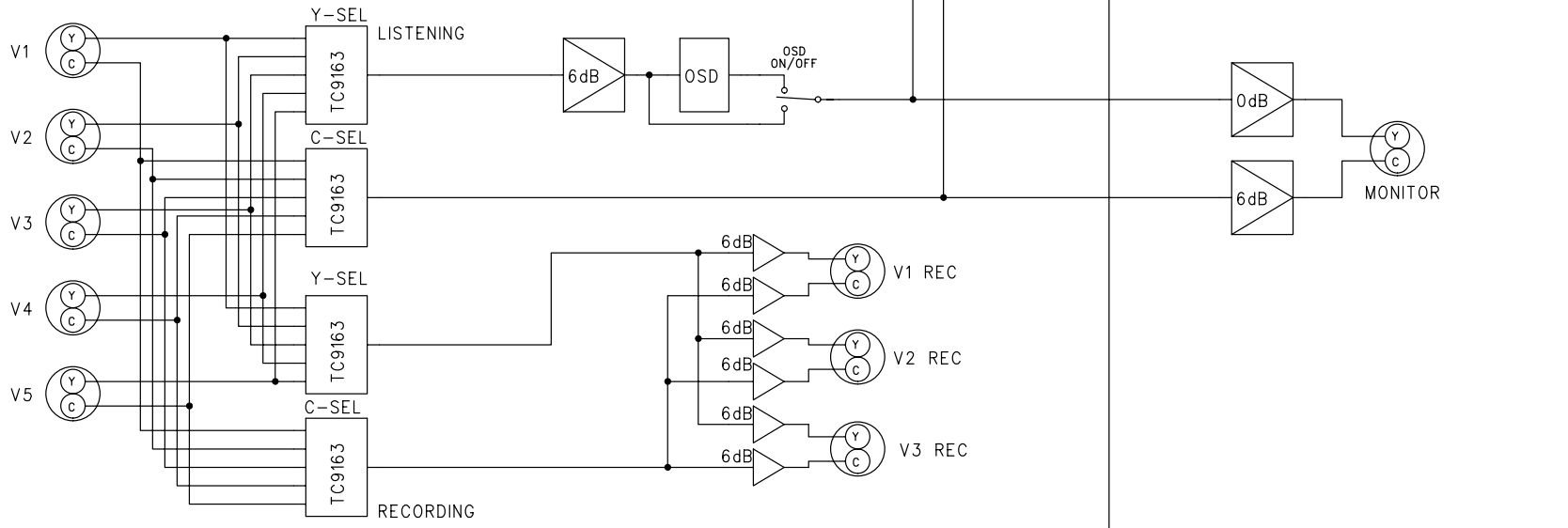


COMPOSITE VIDEO

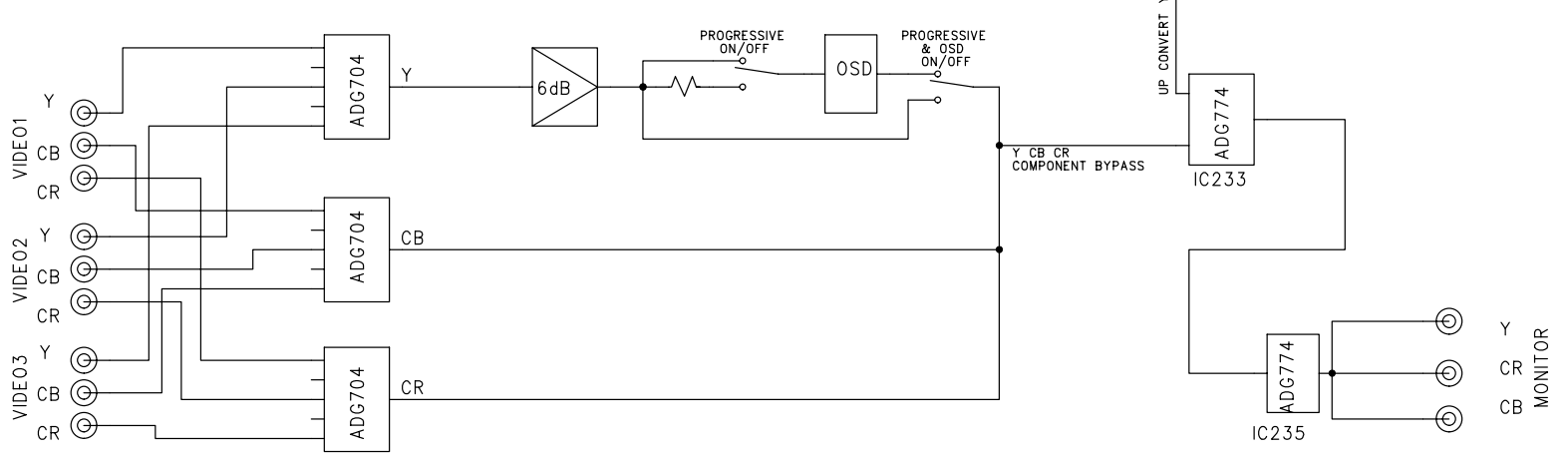


[VIDEO SECTION]

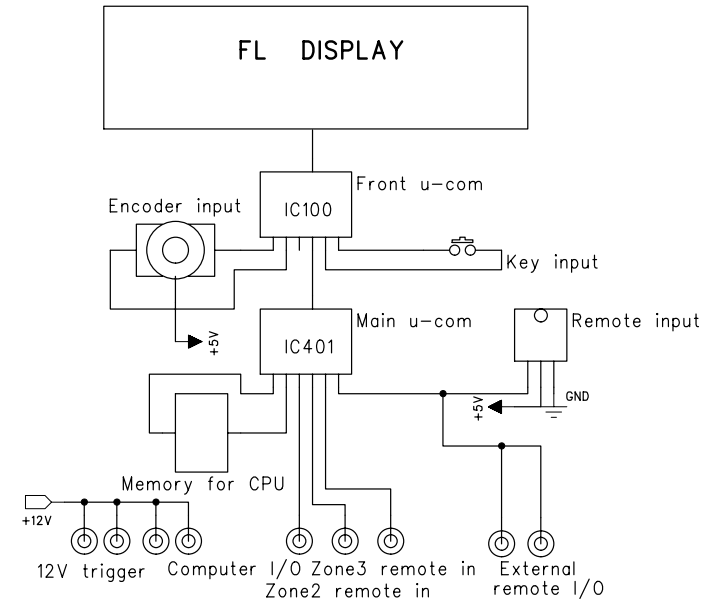
S VIDEO



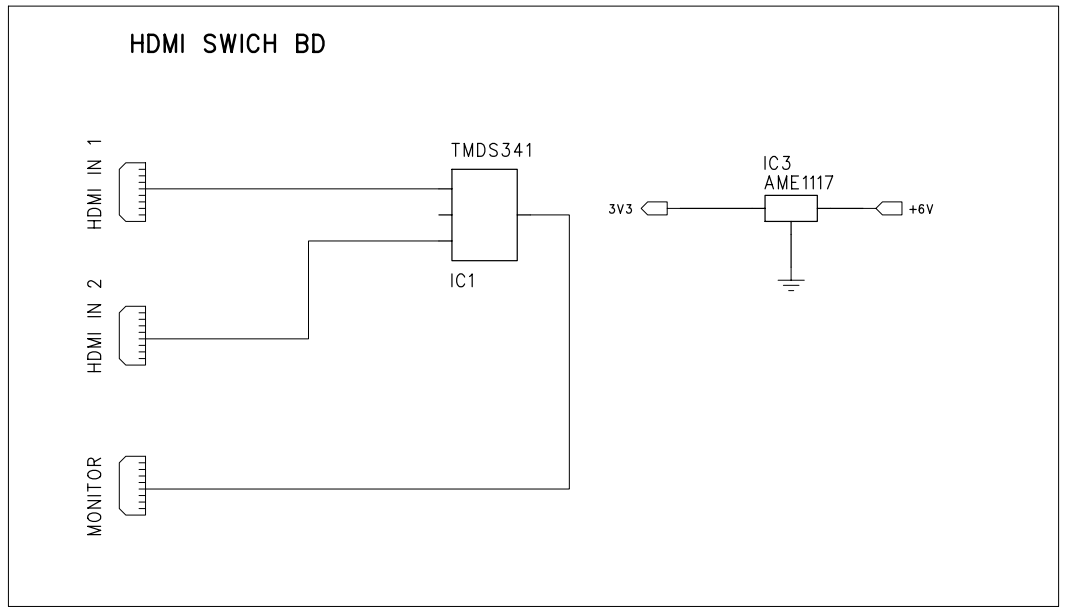
COMPONENT VIDEO



[CONTROL SECTION]



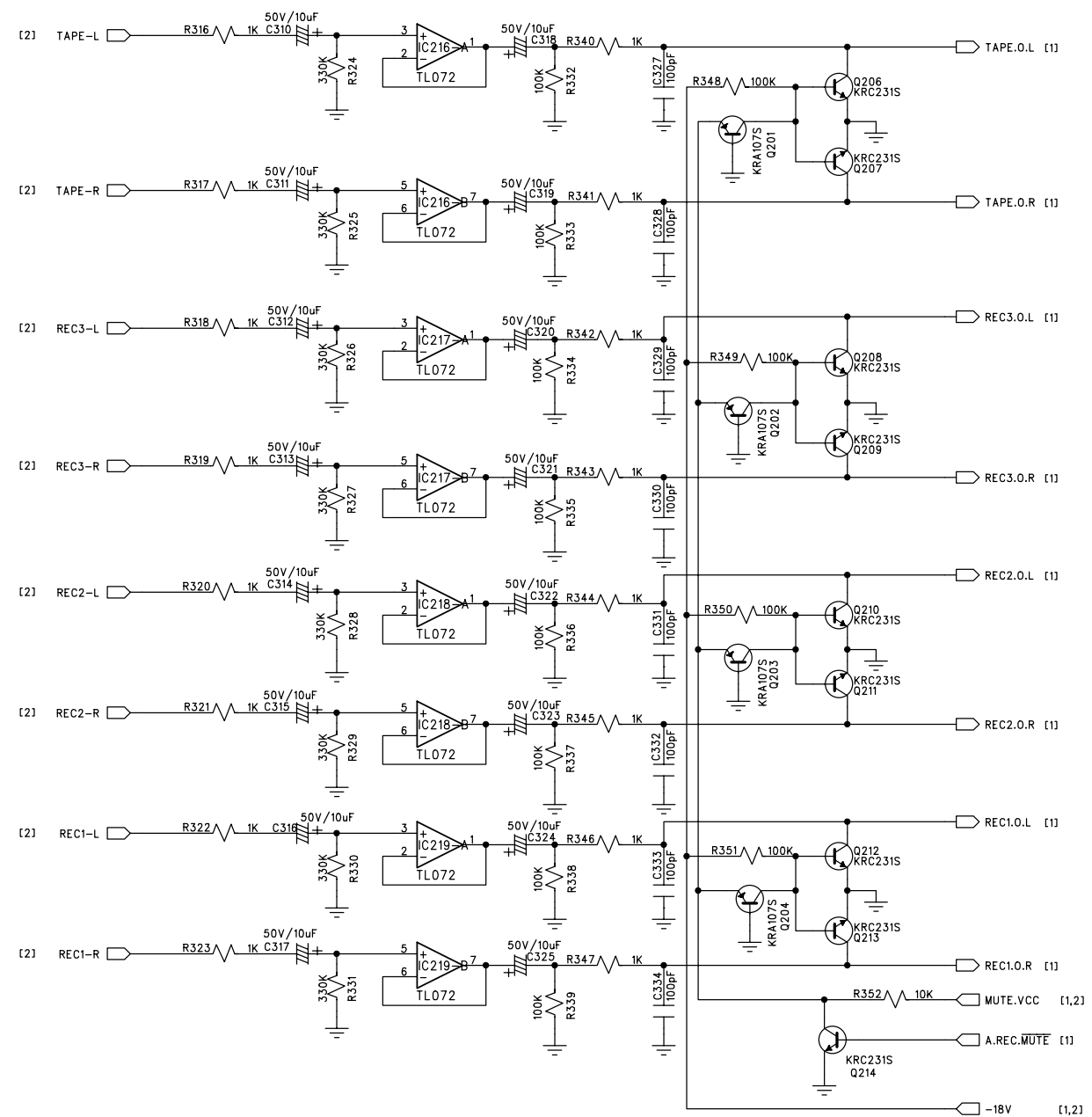
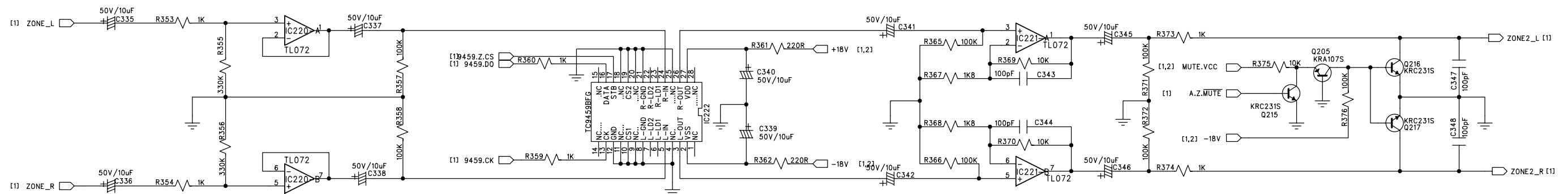
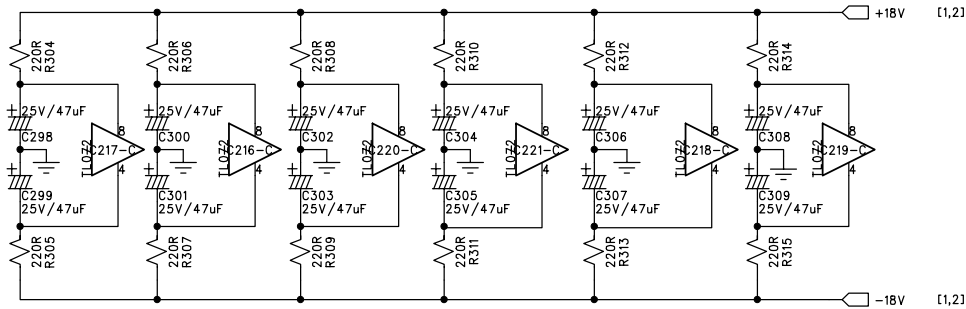
HDMI SWITCH BD



The schematic diagram illustrates the internal circuitry of a Hi-Fi receiver, organized into several functional blocks:

- Input Sections (Left):**
 - CP201 FROM VIDEO:** Connects video input signals (V.91.C.M.R, V.91.C.Z, V.91.S.Y, V.91.S.C) to conversion and NTSC/PAL processing.
 - CN202 FROM POWER:** Connects power supply rails (+18V, -18V, +6V, -6V, MUTE.VCC) to the receiver's power management.
 - CN203 TO OUTPUT:** Connects output signals (PASS.L, PASS.R, A.91.MT.63, A.91.MT.62) to the output stage.
 - CN409 TO DIGITAL:** Connects digital control signals (4094.OE, 4094.CS, 4094.CK, 4094.DO, 9459.CK, 9459.DO, 9459.Z.CS, V.CP.MUTE, V.SV.CP, V.55.CK, V.55.DO, V.55.CP) to the digital logic.
 - CN410 TO DIGITAL:** Connects digital control signals (A.91.CK, A.91.DO, A.2.MUTE, A.REC.MUTE, AIN-R, AIN-L) to the digital logic.
 - CN204 TO OUTPUT:** Connects output signals (ZONE2_L, ZONE2_R) to the output stage.
 - CN405 TO DIGITAL:** Connects digital control signals (RDS_DI, RDS_CLK, STEREO, T.MUTE, TUNED, PLL.DO, PLL.CLK, PLL_DI, PLL_CS, EMPHASIS) to the digital logic.
 - CNT100 TO TUNER:** Connects tuner control signals (STEREO, TUNED, T.MUTE, TUNER.R, TUNER.L, +12V) to the tuner section.
- Central Processing Block:**
 - IC211, IC212, IC213:** 4094-series monostable multivibrators used for timing and signal processing.
 - IC201, IC202, IC203, IC204, IC205, IC206, IC207, IC208, IC209, IC210, IC214, IC215, IC224, IC225, IC226, IC227, IC228, IC229, IC230, IC231, IC232, IC233, IC234, IC235, IC236, IC237, IC238, IC239, IC240, IC241, IC242, IC243, IC244, IC245, IC246, IC247, IC248, IC249, IC250, IC251, IC252, IC253, IC254, IC255, IC256, IC257, IC258, IC259, IC260, IC261, IC262, IC263, IC264, IC265, IC266, IC267, IC268, IC269, IC270, IC271, IC272, IC273, IC274, IC275, IC276, IC277, IC278, IC279, IC280, IC281, IC282, IC283, IC284, IC285, IC286, IC287, IC288, IC289, IC290, IC291, IC292, IC293, IC294, IC295, IC296, IC297, IC298, IC299, IC300, IC301, IC302, IC303, IC304, IC305, IC306, IC307, IC308, IC309, IC310, IC311, IC312, IC313, IC314, IC315, IC316, IC317, IC318, IC319, IC320, IC321, IC322, IC323, IC324, IC325, IC326, IC327, IC328, IC329, IC330, IC331, IC332, IC333, IC334, IC335, IC336, IC337, IC338, IC339, IC340, IC341, IC342, IC343, IC344, IC345, IC346, IC347, IC348, IC349, IC350, IC351, IC352, IC353, IC354, IC355, IC356, IC357, IC358, IC359, IC360, IC361, IC362, IC363, IC364, IC365, IC366, IC367, IC368, IC369, IC370, IC371, IC372, IC373, IC374, IC375, IC376, IC377, IC378, IC379, IC380, IC381, IC382, IC383, IC384, IC385, IC386, IC387, IC388, IC389, IC390, IC391, IC392, IC393, IC394, IC395, IC396, IC397, IC398, IC399, IC400, IC401, IC402, IC403, IC404, IC405, IC406, IC407, IC408, IC409, IC410, IC411, IC412, IC413, IC414, IC415, IC416, IC417, IC418, IC419, IC420, IC421, IC422, IC423, IC424, IC425, IC426, IC427, IC428, IC429, IC430, IC431, IC432, IC433, IC434, IC435, IC436, IC437, IC438, IC439, IC440, IC441, IC442, IC443, IC444, IC445, IC446, IC447, IC448, IC449, IC450, IC451, IC452, IC453, IC454, IC455, IC456, IC457, IC458, IC459, IC460, IC461, IC462, IC463, IC464, IC465, IC466, IC467, IC468, IC469, IC470, IC471, IC472, IC473, IC474, IC475, IC476, IC477, IC478, IC479, IC480, IC481, IC482, IC483, IC484, IC485, IC486, IC487, IC488, IC489, IC490, IC491, IC492, IC493, IC494, IC495, IC496, IC497, IC498, IC499, IC500, IC501, IC502, IC503, IC504, IC505, IC506, IC507, IC508, IC509, IC510, IC511, IC512, IC513, IC514, IC515, IC516, IC517, IC518, IC519, IC520, IC521, IC522, IC523, IC524, IC525, IC526, IC527, IC528, IC529, IC530, IC531, IC532, IC533, IC534, IC535, IC536, IC537, IC538, IC539, IC540, IC541, IC542, IC543, IC544, IC545, IC546, IC547, IC548, IC549, IC550, IC551, IC552, IC553, IC554, IC555, IC556, IC557, IC558, IC559, IC560, IC561, IC562, IC563, IC564, IC565, IC566, IC567, IC568, IC569, IC570, IC571, IC572, IC573, IC574, IC575, IC576, IC577, IC578, IC579, IC580, IC581, IC582, IC583, IC584, IC585, IC586, IC587, IC588, IC589, IC590, IC591, IC592, IC593, IC594, IC595, IC596, IC597, IC598, IC599, IC600, IC601, IC602, IC603, IC604, IC605, IC606, IC607, IC608, IC609, IC610, IC611, IC612, IC613, IC614, IC615, IC616, IC617, IC618, IC619, IC620, IC621, IC622, IC623, IC624, IC625, IC626, IC627, IC628, IC629, IC630, IC631, IC632, IC633, IC634, IC635, IC636, IC637, IC638, IC639, IC640, IC641, IC642, IC643, IC644, IC645, IC646, IC647, IC648, IC649, IC650, IC651, IC652, IC653, IC654, IC655, IC656, IC657, IC658, IC659, IC660, IC661, IC662, IC663, IC664, IC665, IC666, IC667, IC668, IC669, IC670, IC671, IC672, IC673, IC674, IC675, IC676, IC677, IC678, IC679, IC680, IC681, IC682, IC683, IC684, IC685, IC686, IC687, IC688, IC689, IC690, IC691, IC692, IC693, IC694, IC695, IC696, IC697, IC698, IC699, IC700, IC701, IC702, IC703, IC704, IC705, IC706, IC707, IC708, IC709, IC710, IC711, IC712, IC713, IC714, IC715, IC716, IC717, IC718, IC719, IC720, IC721, IC722, IC723, IC724, IC725, IC726, IC727, IC728, IC729, IC730, IC731, IC732, IC733, IC734, IC735, IC736, IC737, IC738, IC739, IC740, IC741, IC742, IC743, IC744, IC745, IC746, IC747, IC748, IC749, IC750, IC751, IC752, IC753, IC754, IC755, IC756, IC757, IC758, IC759, IC760, IC761, IC762, IC763, IC764, IC765, IC766, IC767, IC768, IC769, IC770, IC771, IC772, IC773, IC774, IC775, IC776, IC777, IC778, IC779, IC780, IC781, IC782, IC783, IC784, IC785, IC786, IC787, IC788, IC789, IC790, IC791, IC792, IC793, IC794, IC795, IC796, IC797, IC798, IC799, IC800, IC801, IC802, IC803, IC804, IC805, IC806, IC807, IC808, IC809, IC810, IC811, IC812, IC813, IC814, IC815, IC816, IC817, IC818, IC819, IC820, IC821, IC822, IC823, IC824, IC825, IC826, IC827, IC828, IC829, IC830, IC831, IC832, IC833, IC834, IC835, IC836, IC837, IC838, IC839, IC840, IC841, IC842, IC843, IC844, IC845, IC846, IC847, IC848, IC849, IC850, IC851, IC852, IC853, IC854, IC855, IC856, IC857, IC858, IC859, IC860, IC861, IC862, IC863, IC864, IC865, IC866, IC867, IC868, IC869, IC870, IC871, IC872, IC873, IC874, IC875, IC876, IC877, IC878, IC879, IC880, IC881, IC882, IC883, IC884, IC885, IC886, IC887, IC888, IC889, IC890, IC891, IC892, IC8**

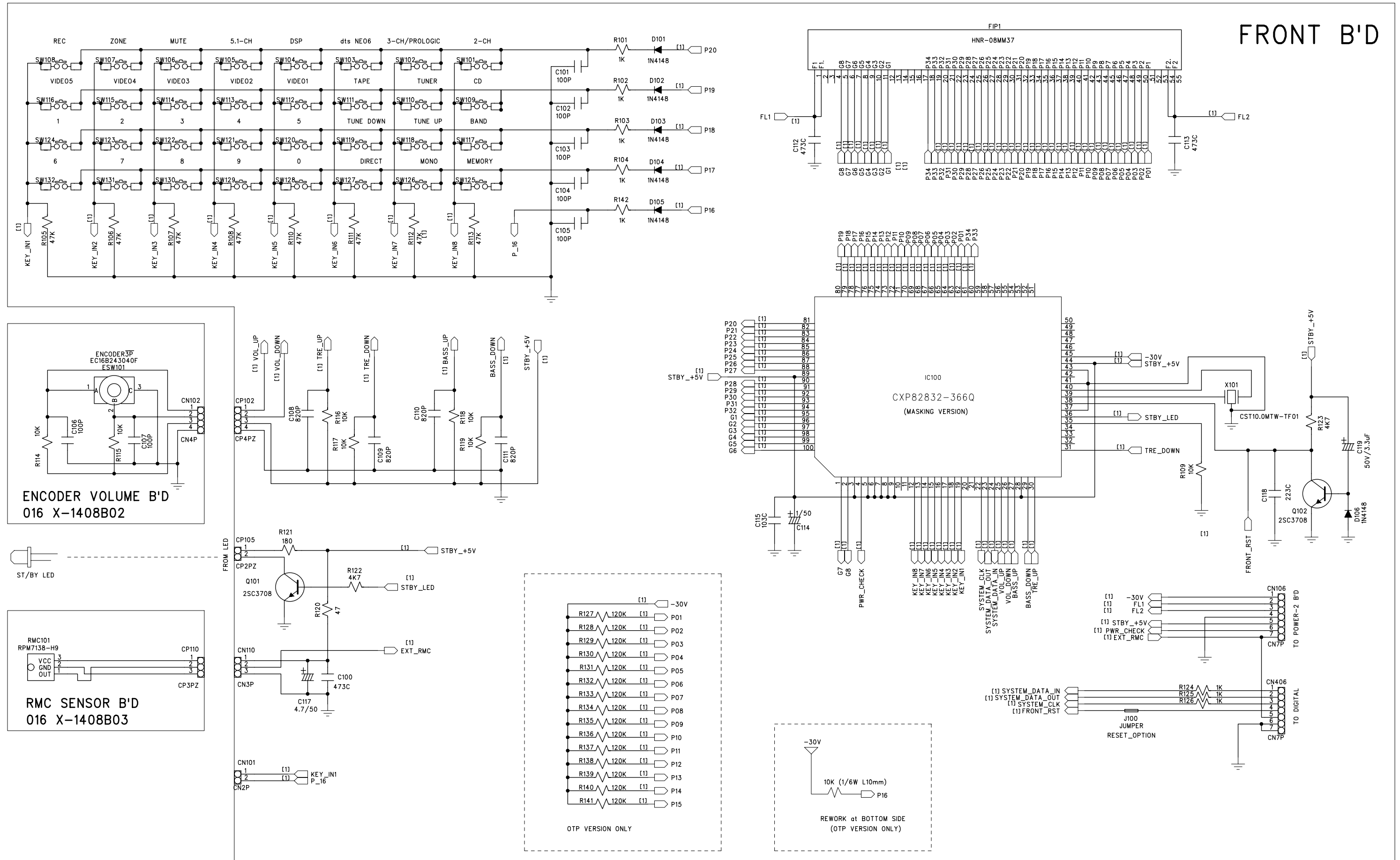
C168B



C169B



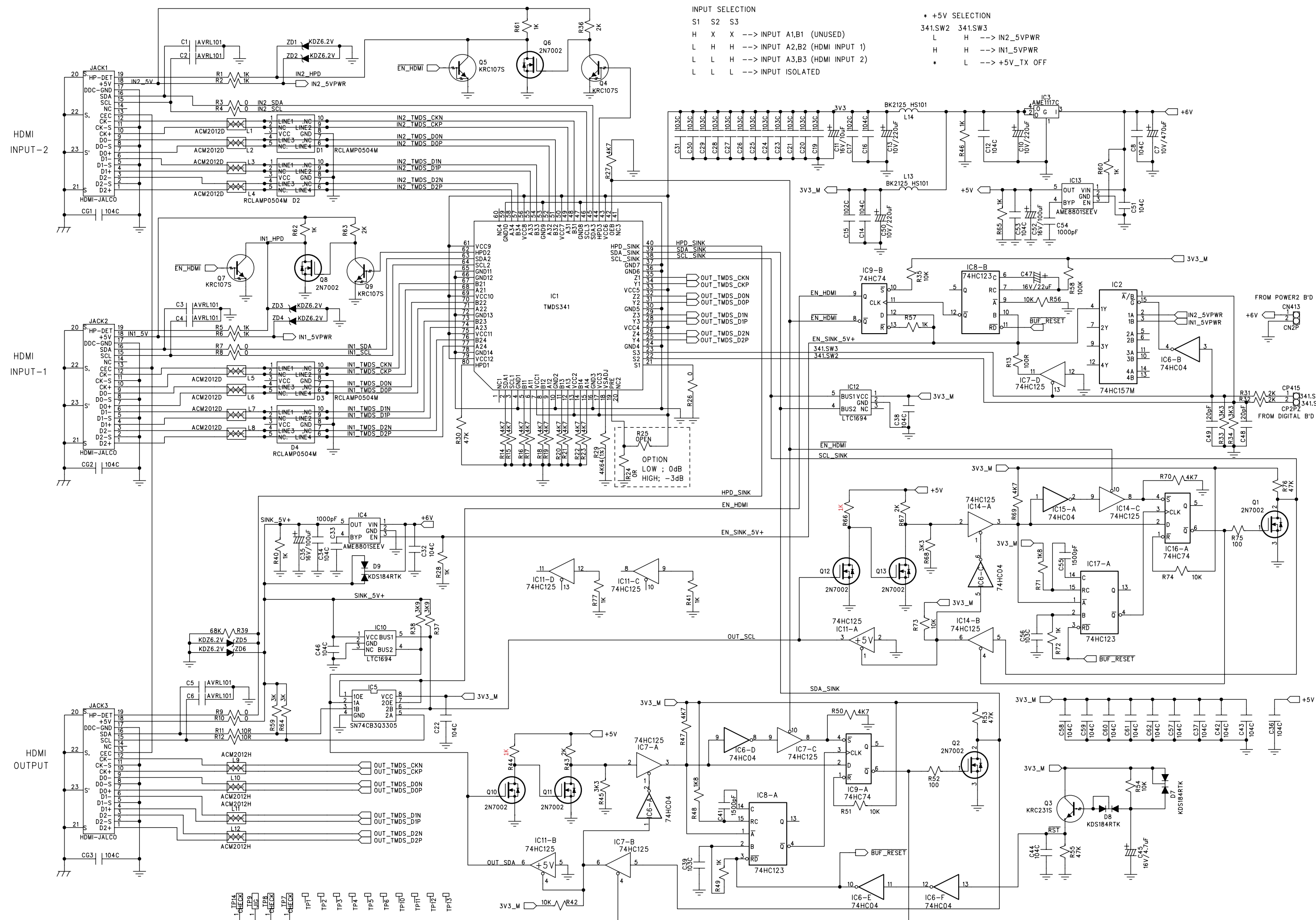
FRONT PCB 016 X-1408B01~03

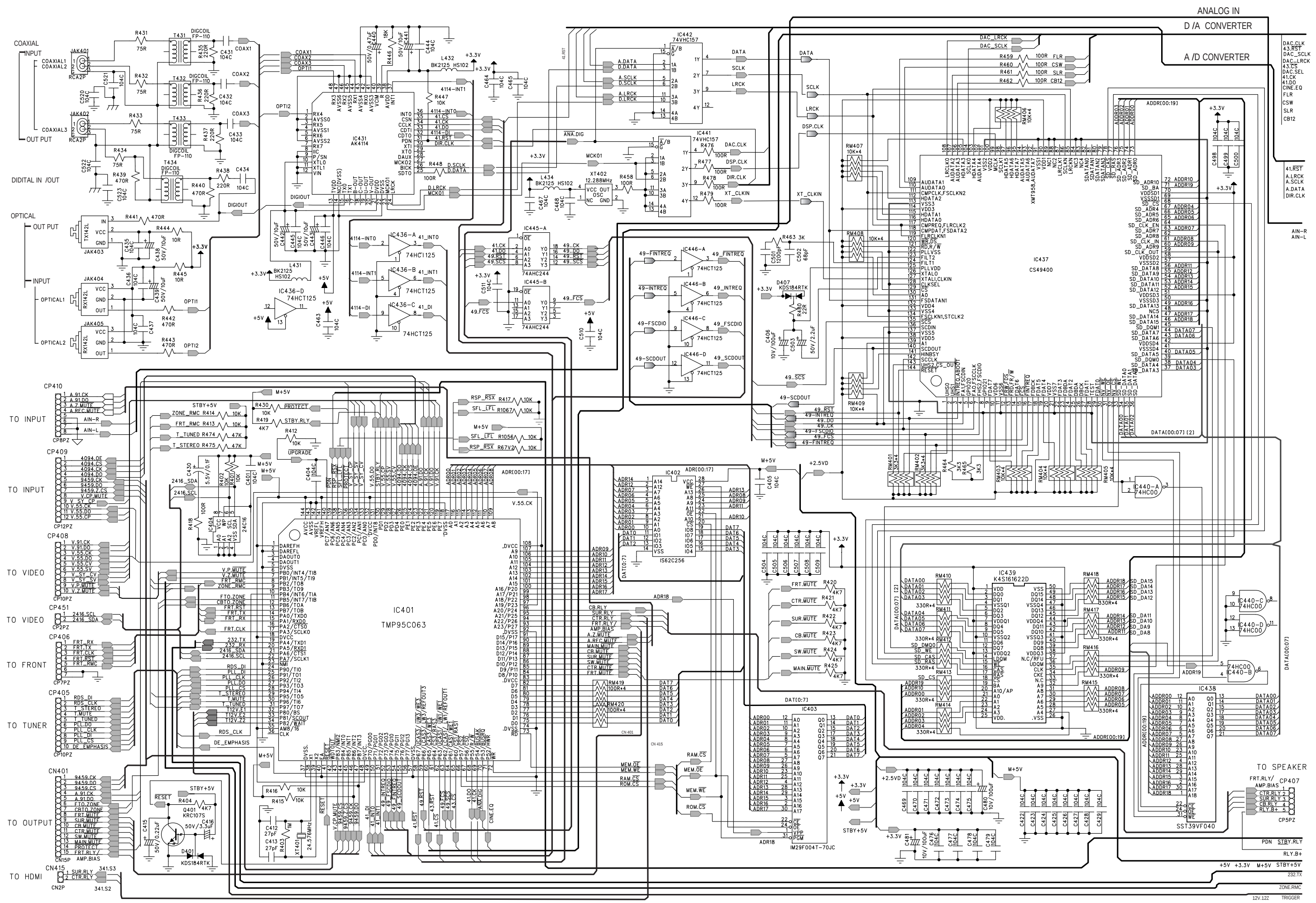




RSX-1057V02

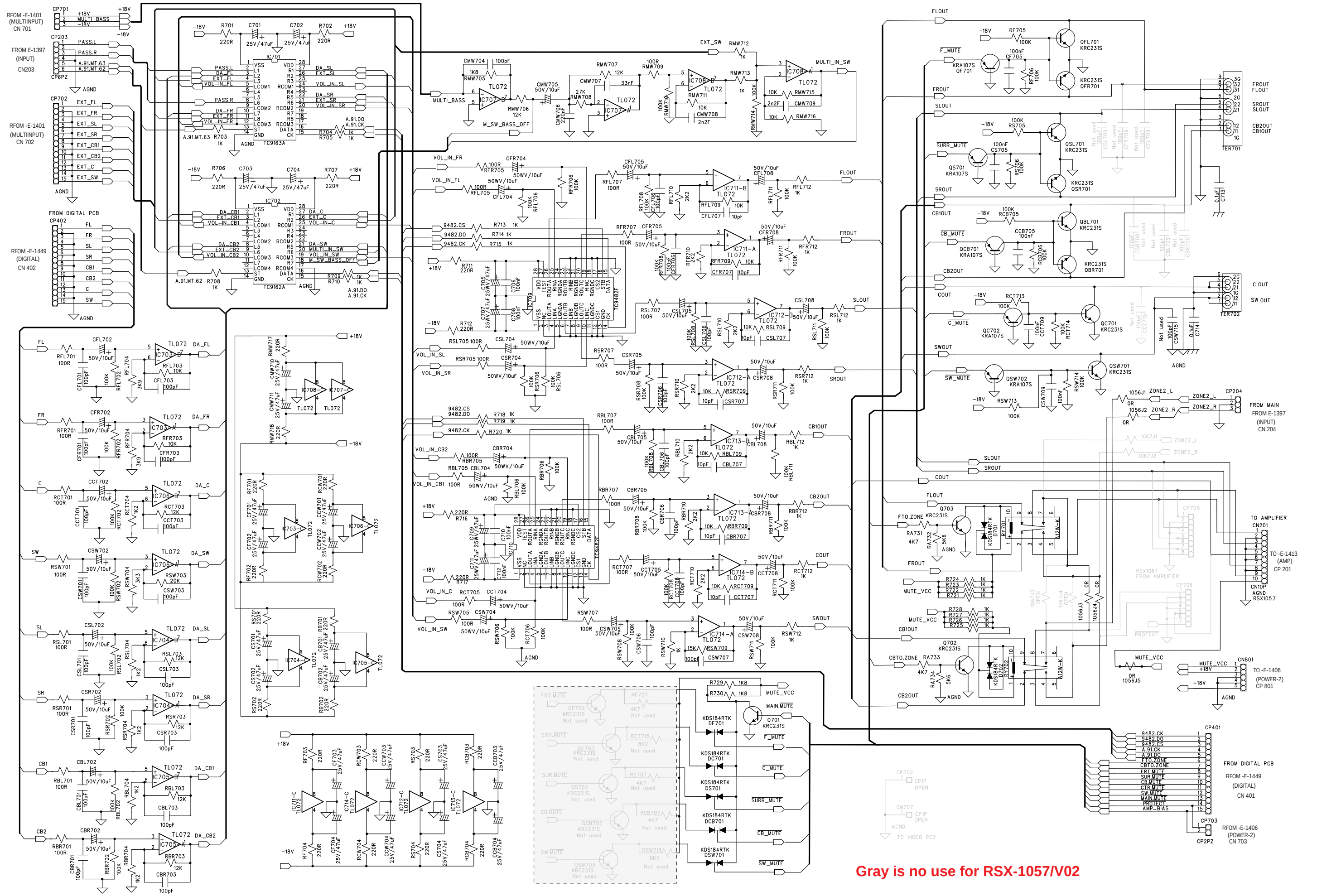






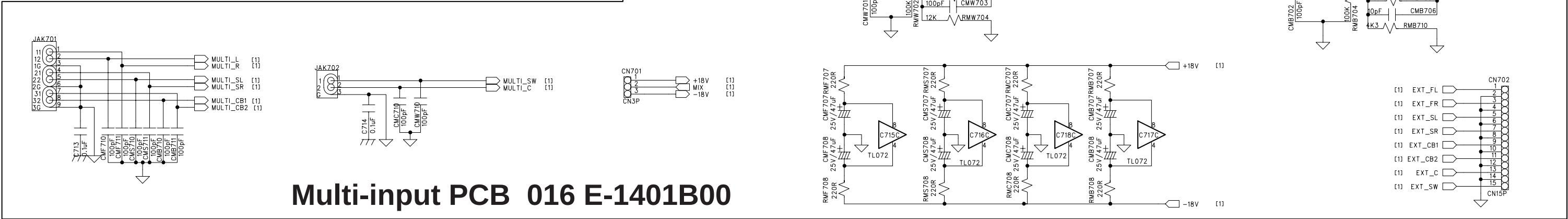
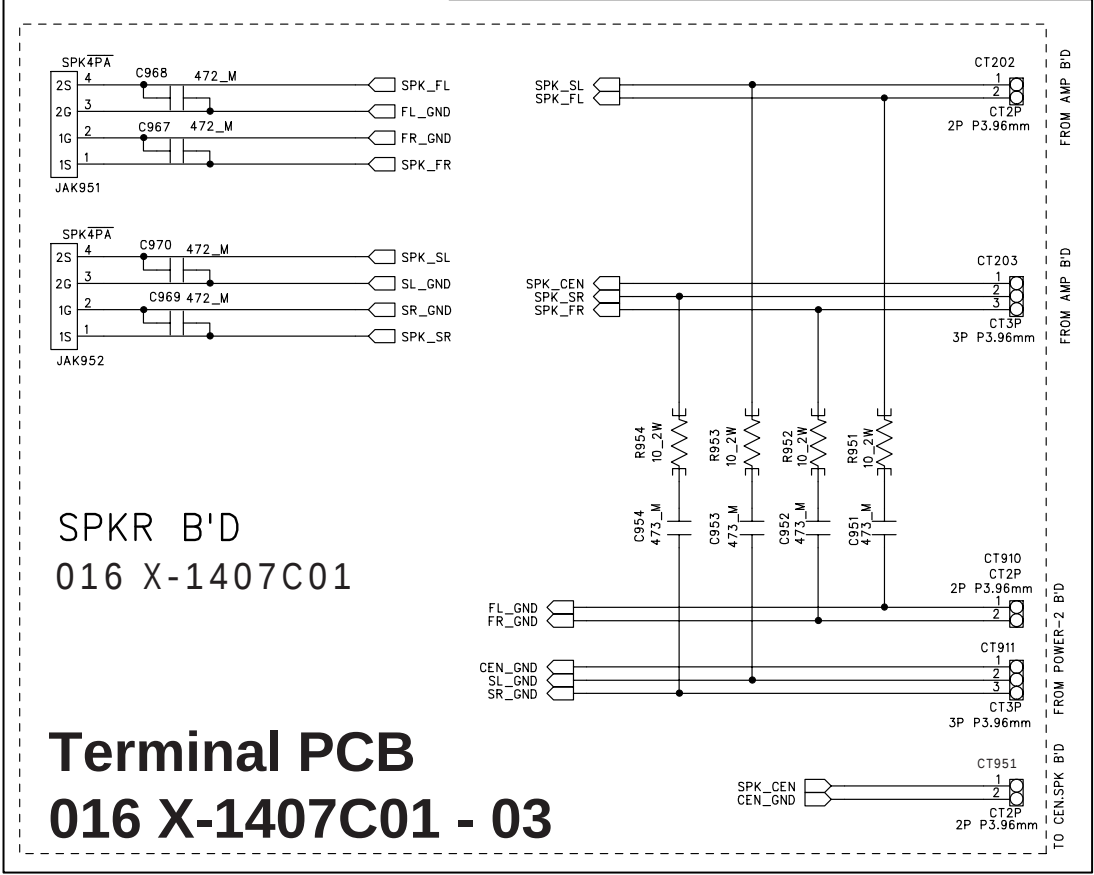
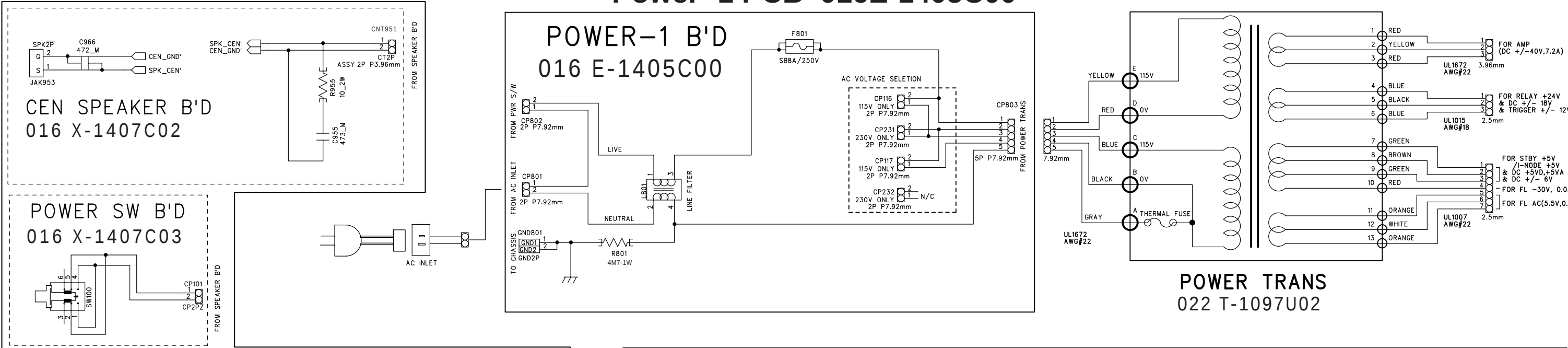


OUTPUT 016 E-1419B00





Power -1 PCB 016E-1405C00



POWER-2 016E1406E00

