

Quality Uncompromised

ROTEL®

Technical Manual

SURROUND SOUND RECEIVER RSX-1067_{v02}

Table of Contents

Specification.....	1	Wiring.....	18
Parts List.....	2~13	PCB Assembly.....	19~25
Adjustment.....	14~15	Schematic Diagram	26~43
Disassembly Diagram and List.....	16~17		

Specifications

Audio

Continuous Amplifier Power (seven channels driven)

100 watts/ch (20-20k Hz, <0.05% THD, 8 ohms)

Continuous Amplifier Power (two channels driven)

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

Total Harmonic Distortion

<0.05%

Intermodulation Distortion (60 Hz:7 kHz)

<0.05%

Frequency Response

10 Hz – 120 kHz, ± 3 dB (analog bypass)

10 Hz – 95 kHz, ± 3 dB (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)

± 6 dB 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, ± 3 dB (Digital Input)

3 Hz – 100 MHz, ± 3 dB (Component V video)

Signal to Noise Ratio

45dB

Input Impedance

75 ohms

Output Impedance

75 ohms

Output Level

1.0 volt

FM Tuner

Usable Sensitivity

14.2dBf

Signal to Noise Ratio (at 65dBf)

70dBf

Harmonic Distortion (at 65 dBf)

0.03%

Stereo Separation (1 kHz)

45dB

Output level

1 V

Antenna Input

75 ohms unbalanced

AM Tuner

Sensitivity

500 μ V/m

Signal to Noise Ratio

40dBf

Output level

500 mV

Antenna Input

Loop Antenna

General

Power Consumption:

990 watts

130 watts (idle)

19 watts (standby)

Power Requirements (AC)

115 volts, 60Hz (USA version)

230 volts, 50Hz (CE version)

Weight

20.4 Kg/44.97 lb.

Dimensions (W x H x D)

432 x 189 x 427 mm

17.01" x 7.44" x 16.81"

Front Panel Height

(feet removed for rack mount)

176 mm / 6.93"

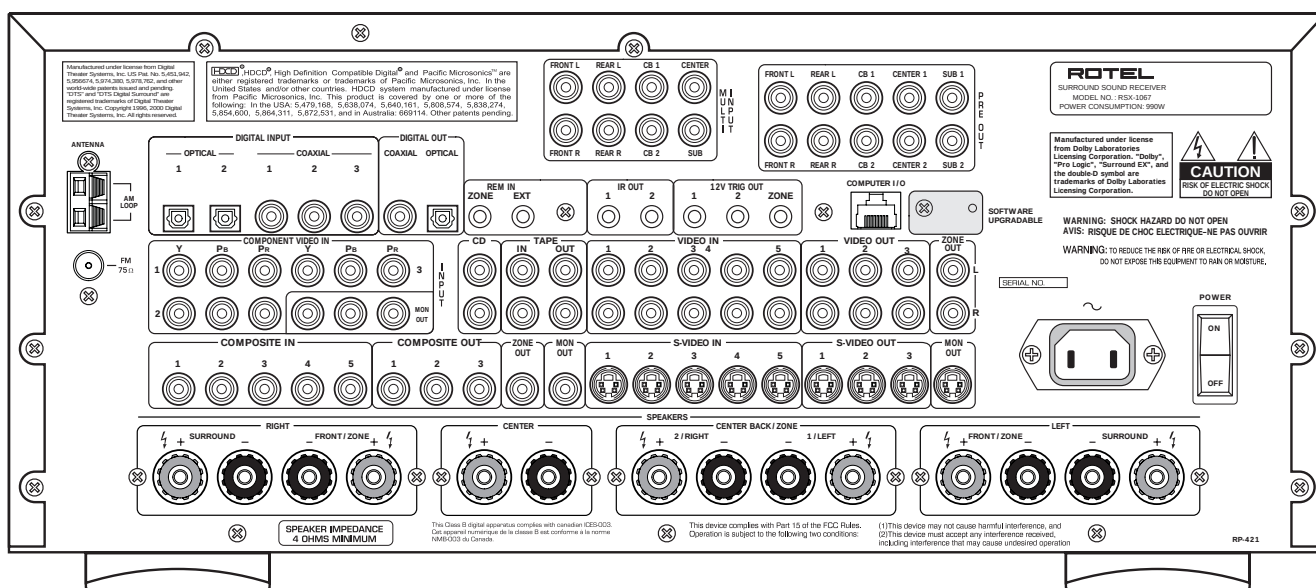
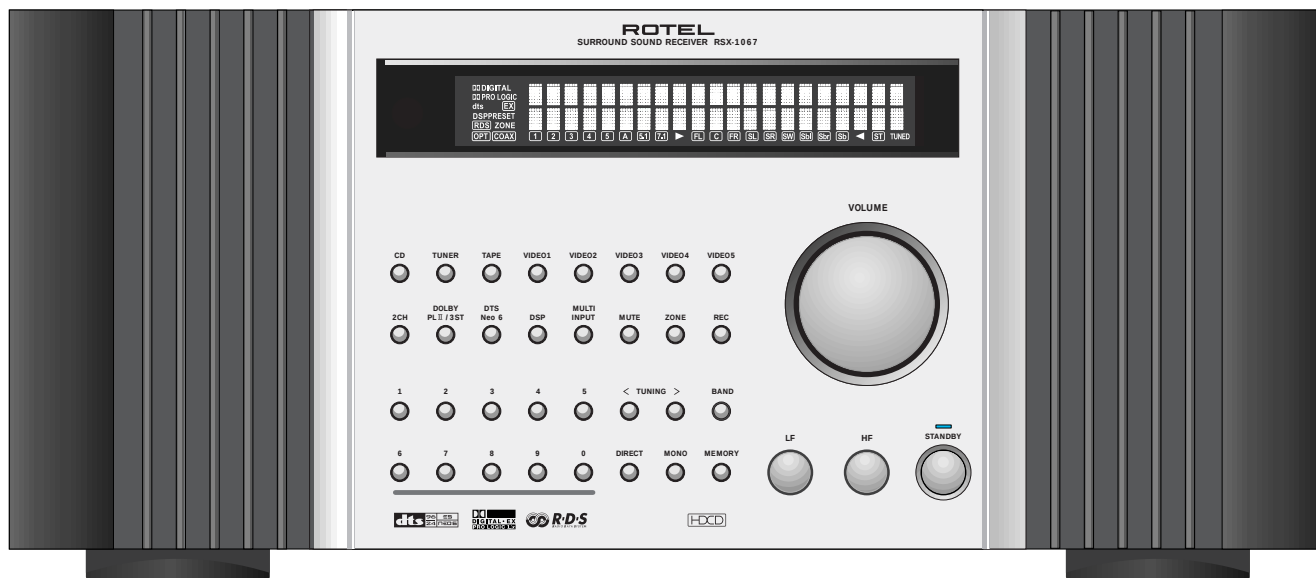
THE ROTEL CO., LTD.

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

Serial. NO.

Beginning **4481001 ~**

Y-373B-0702/pdf



SYMBOL.NO	PARTS NO.	DESCRIPTION
016 E-1309B00 PCB ASSY		
IC34	501 E-1309-B	PCB ASSY (FL DISPLAY)
IC31,32,33	031 RPM7138H9	REMOTE MODULE (REMOTE EYE)
FL31	031 TD62C950RF	IC SMD (FL DRIVER)
D31	035 HNR22ML02	FL TUBE
C32,33	037 KDS184RTK	DIODE CHIP
C31,34-36	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
R31,33	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
R32,34	055 ERJ6ENF10R0V	RESISTOR CHIP 10
CP31	055 ERJ6ENF1002V	RESISTOR CHIP 10K
	068 S10B-PH-KS	CONNECTOR WAFER 10P
016 X-1358A01-02 PCB ASSY		
Q105,205,305,405,505,605,705	501 X-1358	PCB ASSY (POWER AMPLIFIER)
Q106,206,306,406,506,606,706	033 A1209-ST	TRANSISTOR 2SA1209-ST
Q101-104,201-204,301-304,401-404	033 C2911-ST	TRANSISTOR 2SC2911-ST
Q501-504,601-604,701-704,801	033 TA1016-FG	TRANSISTOR 2SA1016KAA-FG
Q112,212,312,412,512,612,712	033 TA1016-FG	TRANSISTOR 2SA1016KAA-FG
Q802,803	033 TC2362-FG	TRANSISTOR 2SC2362KAA-FG
D101,102,201,202,301,302,401,402	033 TC2362-FG	TRANSISTOR 2SC2362KAA-FG
D501,502,601,602,701,702,802	034 2058322101	DIODE 1N4148TAP-50
D801	034 2058322101	DIODE 1N4148TAP-50
D803	034 TRD15JST1	ZENER DIODE 15V
C113,213,313,413,513,613,713	034 TRD9.1JST1	ZENER DIODE 9.1V
C802	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C803	041 TUTES1C471-7TF	ELECTROLYTIC CAPACITOR 16V470uF
C108,208,308,408,508,608,708,801	041 TUTES1E101-7TF	ELECTROLYTIC CAPACITOR 25V100uF
C101,201,301,401,501,601,701	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C109,110,209,210,309,310,409,410	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C509,510,609,610,709,710	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C111,112,211,212,311,312,411,412	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C511,512,611,612,711,712	041 TUTES1J471-7TS	ELECTROLYTIC CAPACITOR 63V470uF
C107,207,307,407,507,607,707	041 TUTES1J471-7TS	ELECTROLYTIC CAPACITOR 63V470uF
C104-106,204-206,304-306,404-406	043 TC50V050	CERAMIC CAPACITOR 5pF
C504-506,604-606,704-706	043 TC50V221	CERAMIC CAPACITOR 200pF
C102,103,202,203,302,303,402,403	043 TC50V221	CERAMIC CAPACITOR 220pF
C502,503,602,603,702,703	043 TC50V331	CERAMIC CAPACITOR 330pF
R807	043 TC50V331	CERAMIC CAPACITOR 330pF
R803	054 1WS2.7KJF	MOF RESISTOR 1W 2.7K
R124,125,224,225,324,325,424,425	054 1WS3.3KJF	MOF RESISTOR 1W 3.3K
R524,525,624,625,724,725	054 MPC74-0.22	NIR RESISTOR 0.22
R805	054 MPC74-0.22	NIR RESISTOR 0.22
R117-119,217-219,317-319,417-419	054 TMF1001	METAL RESISTOR 1K
R517-519,617-619,717-719	054 TMF16-1000	METAL RESISTOR 1/6W 100
R101,201,301,401,501,601,701	054 TMF16-1000	METAL RESISTOR 1/6W 100
R111,211,311,411,511,611,711	054 TMF16-1001	METAL RESISTOR 1/6W 1K
R106,206,306,406,506,606,706	054 TMF16-1001	METAL RESISTOR 1/6W 1K
R801	054 TMF16-1002	METAL RESISTOR 1/6W 10K
R109,209,309,409,509,609,709	054 TMF16-1003	METAL RESISTOR 1/6W 100K
R115,215,315,415,515,615,715	054 TMF16-1201	METAL RESISTOR 1/6W 1.2K
R107,108,207,208,307,308,407,408	054 TMF16-1201	METAL RESISTOR 1/6W 1.2K
R507,508,607,608,707,708,804	054 TMF16-1501	METAL RESISTOR 1/6W 1.5K
R126,226,326,426,526,626,726	054 TMF16-1501	METAL RESISTOR 1/6W 1.5K
R127,227,327,427,527,627,727	054 TMF16-1801	METAL RESISTOR 1/6W 1.8K
R808	054 TMF16-2001	METAL RESISTOR 1/6W 2K
R130,230,330,430,530,630,730	054 TMF16-2200	METAL RESISTOR 1/6W 220
R112,212,312,412,512,612,712	054 TMF16-2202	METAL RESISTOR 1/6W 22K
R110,210,310,410,510,610,710	054 TMF16-2702	METAL RESISTOR 1/6W 27K
R102-104,202-204,302-304,402-404	054 TMF16-3300	METAL RESISTOR 1/6W 330
	054 TMF16-3302	METAL RESISTOR 1/6W 33K

SYMBOL.NO	PARTS NO.	DESCRIPTION
R502-504,602-604,702-704	054 TMF16-3302	METAL RESISTOR 1/6W 33K
R113,114,213,214,313,314,413,414	054 TMF16-3302	METAL RESISTOR 1/6W 33K
R513,514,613,614,713,714	054 TMF16-3302	METAL RESISTOR 1/6W 33K
R105,205,305,405,505,605,705	054 TMF16-4700	METAL RESISTOR 1/6W 470
R116,216,316,416,516,616,716	054 TMF16-4700	METAL RESISTOR 1/6W 470
R120,220,320,420,520,620,720	054 TMF16-47R0	METAL RESISTOR 1/6W 47
R129,229,329,429,529,629,729,806	054 TMF16-6801	METAL RESISTOR 1/6W 6.8K
R121,221,321,421,521,621,721	054 TMF16-82R0	METAL RESISTOR 1/6W 82
R128,228,328,428,528,628,728	054 TMF16-9100	METAL RESISTOR 1/6W 910
R122,123,222,223,322,323,422,423	054 TMF3R30	METAL RESISTOR 3.3
R522,523,622,623,722,723	054 TMF3R30	METAL RESISTOR 3.3
R802	054 TMF6802	METAL RESISTOR 68K
CP851,JP1B	068 B2B-EH	CONNECTOR WAFER 2P
016 E-1397D00 PCB ASSY		
	501 E-1397	PCB ASSY (INPUT)
L301	021 TAL02TB100K	MICRO INDUCTOR 10uH
L302	021 TAL02TB101K	MICRO INDUCTOR 100uH
XT301	023 HC49U-001WR	CRYSTAL 14.31818MHz
IC230-232	031 ADG704BRM	IC SMD (4CH MPX) AD704BRM
IC233,235	031 ADG774BR	IC SMD (MPX) ADG774BR
IC211,212	031 HEF4094BT	IC SMD (SHIFT REGISTER) HEF4094BT
IC236	031 KS5520-1	IC SMD (SCREEN DISPLAY)
IC234	031 LT1397CS	IC SMD (OPE AMP) LT1397CS
IC201-207	031 NJM5532M	IC SMD (OPE AMP) NJM5532M
IC223	031 NJM7812FA	IC (REGULATOR +12VDC)
IC208-210,215	031 TC9163CFG	IC SMD (SWITCH ALLEY)
IC222	031 TC9459F	IC SMD (VOLUME) TC9459F
IC213,214,216-221,224	031 TL072CD	IC SMD (OPE DUAL) TL072CD
Q201-205	032 KRA107S	TRANSISTOR CHIP
Q206-218,224,225	032 KRC231S	TRANSISTOR CHIP
Q221	032 KTA1271	TRANSISTOR
D204	037 KDS226RTK	DIODE CHIP
D201-203	037 KDS226RTK	DIODE CHIP
C349,354-361,365,369-372,390,392	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C366-368,374,386,389	041 TUTES1A471-7TF	ELECTROLYTIC CAPACITOR 10V470uF
C229,258-281,298-309,397,398	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C376,380	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C230-257,282-287,296,297,310-326	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C335-342,345,346,353,393-396	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C379,382	041 TUTES1HR47	ELECTROLYTIC CAPACITOR 50V0.47uF
C387,388	043 TC50VCH330	CERAMIC CAPACITOR 33pF
C377,378	043 TC50VCH560	CERAMIC CAPACITOR 56pF
C383	047 ECJ2VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
C294,295	047 ECJ2VB1H153K	CERAMIC CAPACITOR CHIP 0.015uF
C290-293,351,352,399	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C288,289	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C375,385	047 ECJ2VF1H224Z	CERAMIC CAPACITOR CHIP 0.22uF
C201-228,327-334,347,348,384	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
C343,344,381	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
R395-398	055 ERJ6ENF10R0V	RESISTOR CHIP 10
R399,417,444	055 ERJ6ENF10R0V	RESISTOR CHIP 10
R419	055 ERJ6ENF1000V	RESISTOR CHIP 100
R418	055 ERJ6ENF1000V	RESISTOR CHIP 100
R201-214,216-221,226,282-285,300,301,316-323	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R340-347,353,354,359,360,373,374,436,437	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R447	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R352,369,370,375,400	055 ERJ6ENF1002V	RESISTOR CHIP 10K
R230-243,332-339,357,358,365,366	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R371,372,392-394,439	055 ERJ6ENF1003V	RESISTOR CHIP 100K

SYMBOL.NO	PARTS NO.	DESCRIPTION
R294,295,348-351,376,411-414	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R446	055 ERJ6ENF1004V	RESISTOR CHIP 1M
R443	055 ERJ6ENF1201V	RESISTOR CHIP 1.2K
R450	055 ERJ6ENF1800V	RESISTOR CHIP 180
R367,368	055 ERJ6ENF1801V	RESISTOR CHIP 1.8K
R296,297	055 ERJ6ENF1801V	RESISTOR CHIP 1.8K
R438	055 ERJ6ENF2003V	RESISTOR CHIP 200K
R258-281,302-315,361,362,457,458	055 ERJ6ENF2200V	RESISTOR CHIP 220
R441	055 ERJ6ENF2201V	RESISTOR CHIP 2.2K
R442	055 ERJ6ENF2202V	RESISTOR CHIP 22K
R405-410,415,416	055 ERJ6ENF2700V	RESISTOR CHIP 270
R435	055 ERJ6ENF2R2V	RESISTOR CHIP 2.2
R286-289,324-331	055 ERJ6ENF3303V	RESISTOR CHIP 330K
R355,356,451,452	055 ERJ6ENF3303V	RESISTOR CHIP 330K
R445	055 ERJ6ENF3901V	RESISTOR CHIP 3.9K
R222-225	055 ERJ6ENF3902V	RESISTOR CHIP 39K
R455,456	055 ERJ6ENF3902V	RESISTOR CHIP 39K
R401-404	055 ERJ6ENF47R0V	RESISTOR CHIP 47
R448,449	055 ERJ6ENF47R0V	RESISTOR CHIP 47
R244-257,290-293,453-456	055 ERJ6ENF4701V	RESISTOR CHIP 4.7K
R440	055 ERJ6ENF5101V	RESISTOR CHIP 5.1K
R380-391	055 ERJ6ENF75R0V	RESISTOR CHIP 75
R298,299	055 ERJ6ENF8200V	RESISTOR CHIP 820
RLY201	063 EA2-12NU	RELAY
JAK201-204	066 C-4792A01	6P PIN JACK (WHT,RED)
JK206,207	066 C-4833A01	6P PIN JACK (G,BLG,R)
CP201	068 B13B-PH-KS	CONNECTOR POST
016 E-1398F00 PCB ASSY		
	501 E-1398	PCB ASSY (VIDEO)
L301,303	021 TAL02TB100K	MICRO INDUCTOR 10uH
L302,304	021 TAL02TB101K	MICRO INDUCTOR 100uH
XT303	023 CSBLA500KECZF23BO	RESONATOR CSB500F23
XT301,302	023 HC49U-001WR	CRYSTAL 14.31818MHZ
XT304	023 HC49US-010	CRYSTAL 3.579545MHZ
XT305	023 HC49US-011	CRYSTAL 4.433619MHZ
IC303,309	031 KS5520-1	IC SMD (SCREEN DISPLAY) KS5520
IC312	031 µPC1830GT	IC SMD (VIDEO CONVERTER)
IC301,302,307,308	031 TC9163CFG	IC SMD (SWITCH ALLEY)
IC304-306,310,311,313	031 TSH94ID	IC SMD (VIDEO AMP) TSH94ID
Q305	032 KRA107S	TRANSISTOR CHIP
Q301,302,304	032 KRC107S	TRANSISTOR CHIP
Q303	032 KRC231S	TRANSISTOR CHIP
Q306	032 KTA1271	TRANSISTOR
D302,303	037 KDS184RTK	DIODE CHIP
D301	037 KDS226RTK	DIODE CHIP
C326-331,341-344,371,374,375,390-393	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C311,320,325,346,355,360	041 TUTES1A471-7TF	ELECTROLYTIC CAPACITOR 10V470uF
C314,316,349,351,387	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C380	041 TUTES1H0R1-7TF	ELECTROLYTIC CAPACITOR 50V0.1uF
C305-309,337-340,389	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C388	041 TUTES1H2R2-7TF	ELECTROLYTIC CAPACITOR 50V2.2uF
C382	041 TUTES1H4R7-7TF	ELECTROLYTIC CAPACITOR 50V4.7uF
C315,318,350,353,370	041 TUTES1HR47-7TF	ELECTROLYTIC CAPACITOR 50V0.47uF
C323,324,358,359	043 TC50VCH220	CERAMIC CAPACITOR 22pF
C312,313,347,348	043 TC50VCH560	CERAMIC CAPACITOR 56pF
C383	044 BQ074D0105J	MP CAPACITOR 63V1uF
C377,384	044 BQ014D0224J	MP CAPACITOR 63V0.22uF
C378,379	047 3536150122	CERAMIC CAPACITOR CHIP 15pF
C319,354,381	047 ECJ2VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF

SYMBOL.NO	PARTS NO.	DESCRIPTION
C369	047 ECJ2VB1H472K	CERAMIC CAPACITOR CHIP 4700pF
C301-304,334-336,372,373,376,385,386	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C310,321,332,345,356,361	047 ECJ2VF1H224Z	CERAMIC CAPACITOR CHIP 0.22uF
C317,322,352,357	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
C365	047 ECJ2VG1H102J	CERAMIC CAPACITOR CHIP 1000pF
C366	047 ECJ2VG1H221J	CERAMIC CAPACITOR CHIP 220pF
C367	047 ECJ2VG1H271J	CERAMIC CAPACITOR CHIP 270pF
C368	047 ECJ2VG1H391J	CERAMIC CAPACITOR CHIP 390pF
RV401,402	051 EVM3Y-B24	SEMI-FIXED RESISTOR 20KB
R334,368-373,411-414,421,427,459,466,467	055 ERJ6ENF100V	RESISTOR CHIP 10
R340-348,393-398,430-432	055 ERJ6ENF101V	RESISTOR CHIP 100
R322,323,326-329,338,349-364,367,389-392,	055 ERJ6ENF102V	RESISTOR CHIP 1K
R399-408,415,416,428,434,439,440,458,425,463	055 ERJ6ENF102V	RESISTOR CHIP 1K
R441,442,460,461	055 ERJ6ENF103V	RESISTOR CHIP 10K
R330,417,438	055 ERJ6ENF104V	RESISTOR CHIP 100K
R339,426	055 ERJ6ENF105V	RESISTOR CHIP 1M
R337,424	055 ERJ6ENF122V	RESISTOR CHIP 1.2K
RA471,472	055 ERJ6ENF151V	RESISTOR CHIP 150
R462	055 ERJ6ENF152V	RESISTOR CHIP 1.5K
R451	055 ERJ6ENF153V	RESISTOR CHIP 15K
R453	055 ERJ6ENF184V	RESISTOR CHIP 180K
R331,418	055 ERJ6ENF204V	RESISTOR CHIP 200K
R456,457	055 ERJ6ENF220V	RESISTOR CHIP 22
R320,321,324,325,385-388,455	055 ERJ6ENF221V	RESISTOR CHIP 220
R333,420,443	055 ERJ6ENF222V	RESISTOR CHIP 2.2K
R335,422	055 ERJ6ENF223V	RESISTOR CHIP 22K
R448	055 ERJ6ENF242V	RESISTOR CHIP 2.4K
R445	055 ERJ6ENF272V	RESISTOR CHIP 2.7K
R429,437	055 ERJ6ENF2R2V	RESISTOR CHIP 2.2
R444	055 ERJ6ENF331V	RESISTOR CHIP 330
R336,365,366,409,410,423	055 ERJ6ENF392V	RESISTOR CHIP 3.9K
R446	055 ERJ6ENF432V	RESISTOR CHIP 4.3K
R454	055 ERJ6ENF433V	RESISTOR CHIP 43K
R449	055 ERJ6ENF471V	RESISTOR CHIP 470
R332,419	055 ERJ6ENF512V	RESISTOR CHIP 5.1K
R452	055 ERJ6ENF684V	RESISTOR CHIP 680K
R301-319,375-384,433,435,436,464,465	055 ERJ6ENF750V	RESISTOR CHIP 75
R450	055 ERJ6ENF821V	RESISTOR CHIP 820
R447	055 ERJ6ENF914V	RESISTOR CHIP 910K
SW305,306	066 4TR-2964#10	3P PIN JACK (YEL)
SW301-303	066 C-4604B02	3-4P MINI DIN JACK YKP51-5520
SW304	066 C-4860A01	4P PIN JACK (YEL)
CN302,303	072 C-4772A02WR	1PIN WIRE 1P-250mm
016 E-1399F00 PCB ASSY		
(IC443)	501 E-1399-A	PCB ASSY (DIGITAL)
T431-434	019 0009-P	POWER TRANSISTOR BUSH
XT402	021 2888000010	DIGITAL COIL
XT401	023 CXO-002	CRYSTAL 12.288MHz
L433,434	023 HC49U-009	CRYSTAL HC49U24.576MHz
L431,432,LCB451,LCW451,LF451,LS451	025 BK2125HS102	CHIP
L401	025 BK2125HS601	CHIP
L435,436	025 BK2125HS601	CHIP
IC438	031 39VF040-V34	IC (DSPROM) SST39VF040-70-4C-NH
IC440	031 74HC00	IC SMD (QUAD NANDGATE) 74HC00
IC436,446	031 74HCT125	IC SMD (QUAD BUFFER) 74HCT125D
IC441,442	031 74HC157	IC SMD (QUAD MPX) 74VHC157
IC445	031 74HC244	IC SMD (OCTAL BUFFER) 74VHC244
IC431	031 AK4114VQ	IC SMD (D/A TRANCEIVER) AK4114VQ

SYMBOL.NO	PARTS NO.	DESCRIPTION
IC447-450	031 AK4395VF	IC SMD (D/A CONVERTER) AK4395VF
IC432	031 AK5383VS	IC SMD (A/D CONVERTER) AK5383VS
IC403	031 IM29F004T-X67	IC (FLASH MEMORY)
IC443	031 AME1117BCBT	IC CHIP (REGULATOR)
IC444	031 AME1117CCGT	IC CHIP (REGULATOR)
IC404	031 AT24C16A10PU-2.7	IC (EEPROM) AT24C16PL
IC437	031 CS49400	IC SMD (DSP) CS49400-3
IC405	031 HIN232CB	IC SMD (RS232) HIN232CB
IC402	031 IS62C256	IC SMD (SRAM) IS62C256
IC439	031 K4S161622H-UC	IC SMD (MEMORY) K4S161622D
IC406,407	031 LTV817	IC (PHOTO COUPLER)
IC433-435,451-454	031 TL072CD	IC SMD (OPE DUAL) TL072CD
IC401	031 TMP95C063F	IC SMD (CPU) TMP95C063F
Q401,QCW451,QFL/R451	032 KRC107S	TRANSISTOR CHIP
Q402-404	032 KRC231S	TRANSISTOR CHIP
D401-406	037 KDS184RTK	DIODE CHIP
C430	041 SCDA5R5104V	BACKUP CAPACITOR 5.5V 0.1F
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
CS454,456,CSL/R454,CSW454	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C480,481,484,487,C406	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C503	041 TUTES1H2R2-7TF	ELECTROLYTIC CAPACITOR 50V2.2uF
C416	041 TUTES1H3R3-7TF	ELECTROLYTIC CAPACITOR 50V3.3uF
C454-462,512-519,CAL/R401-404	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
CCB455,CCW455,CF455,CS455	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C415	041 TUTES1HR22-7TF	ELECTROLYTIC CAPACITOR 50V0.22uF
C440	041 TUTES1HR47-7TF	ELECTROLYTIC CAPACITOR 50V0.47uF
CCT455,CFL/R455	047 ECJ2VB1H223K	CERAMIC CAPACITOR CHIP 0.022uF
C501	047 ECJ2VC1H122J	CERAMIC CAPACITOR CHIP 1200pF
C449,C5383	047 ECJ2VF1H224Z	CERAMIC CAPACITOR CHIP 0.22uF
CAL/R408,CSW452,453	047 ECJ2VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
C409-411,422-428,436,437,447,450,451	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C467-479,488-490,492,496,498,500	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C504-509,520-523,CCB451-453	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CCW451-453,CF451-453,CS451-453,OPT1	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C401-405,407,408,429,431-435,444-446,448	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C452,463-465,491,493-495,499,510,511	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
CAL/R405	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
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
RM410-420	055 CN43-101	RESISTOR NETWORK CHIP 100
RM403-409	055 CN43-103	RESISTOR NETWORK CHIP 10K
RM410-418	055 CN43-331	RESISTOR NETWORK CHIP 330
RM401,402	055 CN43-332	RESISTOR NETWORK CHIP 3.3K
R407,408	055 ERJ6ENF100V	RESISTOR CHIP 10
R426,444,445	055 ERJ6ENF100V	RESISTOR CHIP 10
R405,406,409-411,458,4395	055 ERJ6ENF101V	RESISTOR CHIP 100
R427,428,448,451,459-462,476-479,418	055 ERJ6ENF101V	RESISTOR CHIP 100
RBL/R458,RCT458,RFL/R458,RSL/R458	055 ERJ6ENF102V	RESISTOR CHIP 1K
RSW458	055 ERJ6ENF102V	RESISTOR CHIP 1K
R415,416,430,R67V2,R1056	055 ERJ6ENF103V	RESISTOR CHIP 10K
R401,402,412-414,447	055 ERJ6ENF103V	RESISTOR CHIP 10K
RAL/R401,402,404,405	055 ERJ6ENF103V	RESISTOR CHIP 10K
RBL/R457,RCT457,RFL/R457,RSL/R457	055 ERJ6ENF104V	RESISTOR CHIP 100K

SYMBOL.NO	PARTS NO.	DESCRIPTION
RSW457	055 ERJ6ENF104V	RESISTOR CHIP 100K
R403	055 ERJ6ENF105V	RESISTOR CHIP 1M
R446	055 ERJ6ENF183V	RESISTOR CHIP 18K
R480	055 ERJ6ENF220V	RESISTOR CHIP 22
R452-457,466-473	055 ERJ6ENF221V	RESISTOR CHIP 220
R435-438	055 ERJ6ENF221V	RESISTOR CHIP 220
R463	055 ERJ6ENF302V	RESISTOR CHIP 3K
RAL/R406,409	055 ERJ6ENF302V	RESISTOR CHIP 3K
R464,465	055 ERJ6ENF332V	RESISTOR CHIP 3.3K
R439-443	055 ERJ6ENF471V	RESISTOR CHIP 470
R404,420-425	055 ERJ6ENF472V	RESISTOR CHIP 4.7K
R419	055 ERJ6ENF472V	RESISTOR CHIP 4.7K
R429,449,450,474,475,4394,5383	055 ERJ6ENF473V	RESISTOR CHIP 47K
RAL/R403	055 ERJ6ENF473V	RESISTOR CHIP 47K
RBL/R451-453,455,456,RCT451-453,455,456	055 ERJ6ENF562V	RESISTOR CHIP 5.6K
RFL/R451-453,455,456,RSW451-453,455,456	055 ERJ6ENF562V	RESISTOR CHIP 5.6K
RSL/R451-453,455,456	055 ERJ6ENF562V	RESISTOR CHIP 5.6K
R431-434	055 ERJ6ENF750V	RESISTOR CHIP 75
RAL/R407,410	055 ERJ6ENF911V	RESISTOR CHIP 910
RBL/R454,RCT454,RFL/R454,RSL/R454	055 ERJ6ENF912V	RESISTOR CHIP 9.1K
RSW454	055 ERJ6ENF912V	RESISTOR CHIP 9.1K
RLY401-403	063 EA2-12NU	RELAY EA2-12NU
SW401	064 KSP02H	DIP SWITCH 2P
JAK407-413	065 YKB21-5103A	3.5Φ MANI JACK (ST)
JAK401,402	066 C-4859A01	2P PIN JACK (BLK)
JAK406	066 SY010-8P/K	JACK RJ45 SY010-8P/K
JAK404,405	066 TORX179L	JACK OPTICAL MODULE
JAK403	066 TOTX179L	JACK OPTICAL TERMINAL
IC403,438	068 PLCC32GS	IC SOCKET 32P
CP407	068 B5B-PH-KS	CONNECTOR WAFER 5P
CP406	068 B7B-PH-KS	CONNECTOR WAFER 7P
CP410	068 B8B-PH-KS	CONNECTOR WAFER 8P
CP405,408	068 B10B-PH-KS	CONNECTOR WAFER 10P
CP409	068 B12B-PH-KS	CONNECTOR WAFER 12P
016 E-1400E00 PCB ASSY		
	501 E-1400-A	PCB ASSY (OUTPUT)
IC703-706,711-714	031 NJM5532M	IC SMD (OPE AMP) NJM5532M
IC702	031 TC9162CFG	IC SMD (SWITCH ALLEY) KIC9162CFG
IC701	031 TC9163CFG	IC SMD (SWITCH ALLEY) KIC9163CFG
IC709,710	031 TC9482BFG	IC SMD (VOLUME) KIC9482BFG
IC707,708	031 TL072CD	IC SMD (OPE DUAL) TL072CD
QC702,QCB701,QF701,QS701,QSW702	032 KRA107S	TRANSISTOR CHIP
Q701-703,QBL/R701,QC701,QFL/R701	032 KRC231S	TRANSISTOR CHIP
QSL/R701,QSW701,Q704	032 KRC231S	TRANSISTOR CHIP
D701,702,DC701,DCB701,DF701,DS701	037 KDS184RTK	DIODE CHIP
DSW701,703	037 KDS184RTK	DIODE CHIP
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,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,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

SYMBOL.NO	PARTS NO.	DESCRIPTION
CSL/R701,703,706,CMW704	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
CMW708,709	047 ECJ2VG1H222J	CERAMIC CAPACITOR CHIP 22pF
J701	055 ERJ6GEY0R00V	RESISTOR CHIP 0
RBL/R701,707,RCT701,707,RFL/R701,707	055 ERJ6ENF1000V	RESISTOR CHIP 100
RMW709,RSL/R701,707,RSW701,707	055 ERJ6ENF1000V	RESISTOR CHIP 100
RBL/R705,RCT705,RFL/R705,RSL/R705,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	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/R702,708,711,RCB706,RCT702,708,711,714	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RF705,706,RFL/R702,708,711,RMW710,714	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RS706,RSL/R702,708,711,RSW702,708,711,714	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RBL/R706,RCB705,RCT706,713,RFL/R706	055 ERJ6ENF1003V	RESISTOR CHIP 100K
RS705,RSL/R706,RSW706,713	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
R721-730,RMW705,R731-734	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 ERJ6ENF3901V	RESISTOR CHIP 3.9K
RY701-703	063 EA2-12NU	RELAY EA2-12NU
TER702	066 C-4784A02	4P PIN JACK (BLK)
TER701	066 C-4792A01	6P PIN JACK (WHT,RED)
CP204,701	068 B3B-PH-KS	CONNECTOR WAFER 3P
CP203	068 B6B-PH-KS	CONNECTOR WAFER 6P
CP706	068 B7B-PH-KS	CONNECTOR WAFER 7P
CP705	068 B8B-PH-KS	CONNECTOR WAFER 8P
CP401,402,702	068 B15B-PH-KS	CONNECTOR WAFER 15P
CP302	069 B1P-LV-TA	1P LA PIN
016 E-1401B00 PCB ASSY		
	501 E-1401	PCB ASSY (MULTI INPUT)
IC715-718	031 TL072CD	IC SMD (OPE DUAL) TL072CD
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,CMS701,702,710,711	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
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

SYMBOL.NO	PARTS NO.	DESCRIPTION
RMF711,712	055 ERJ6ENF3301V	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 (WHT,RED)
016 E-1402A00 PCB ASSY		
	501 E-1402	PCB ASSY (SPEAKER)
L501-507	021 TRL-332	SPEAKER COIL 1F 23T
Q501-504	032 TC3708-ST	TRANSISTOR 2SC3708AA-ST
D501-504	034 T1N4004-TB	DIODE 1N4004-F
C508-521	044 BQ014E0472J	MP CAPACITOR 63V4700pF
C501-507	044 BQ014E0473J	MP CAPACITOR 63V0.047uF
R512-519	053 CR14-390J-A	CARBON RESISTOR 1/4W 39
R508-511	053 CR14-472J-A	CARBON RESISTOR 1/4W 4.7K
R501-507	054 1WS10J	MOF RESISTOR 1WS 10
RL501-504	063 DH2TU-24	RELAY DH24D2-OT(M)
JAK501,503,504	067 C-4761A01	4P SPEAKER TERMINAL
JAK502	067 C-4762A01	2P SPEAKER TERMINAL
CP501-504	068 B2P-VH	2P CONNECTOR POST
WN501	072 C-4750A03	WIRE ASSY 150mm
016 X-1403E01-04 PCB ASSY		
	501 X-1403	PCB ASSY (POWER)
HS1-HS5	017 C-4682A11	SUB HEAT SINKER H=60 (BLK)
LF1050	021 2648701170	LINE FILTER COIL
IC1052,1053,1056	031 NJM7805FA	IC (REGULATOR +5VDC)
IC1050	031 NJM7806FA	IC (REGULATOR +6VDC)
IC1058	031 NJM7812FA	IC (REGULATOR +12VDC)
IC1054,1059	031 NJM7818FA	IC (REGULATOR +18VDC)
IC1051	031 NJM7906FA	IC (REGULATOR -6VDC)
IC1055	031 NJM7918FA	IC (REGULATOR -18VDC)
Q1051-1055	032 TC3708-ST	TRANSISTOR 2SC3708AA-ST
DB1050,1051	034 MP254W	POWER DIODE 400V25A
D1050-1077	034 T1N4004-TB	DIODE 1N4004-F
DZ1052	034 TRD18JST1	ZENER DIODE 18V
DZ1053	034 TRD24JST1	ZENER DIODE 24V
DZ1057	034 TRD4.3EST1	ZENER DIODE 4.3V
DZ1051	034 TRD7.5JST1	ZENER DIODE 7.5V
T101,102	034 SCK0512	POWER THERMISTOR
F1051* (for 120V)	036 5ST1-R	FUSE 250VT1A
F1051* (for 230V)	036 5ST2-R	FUSE 250VT2A
F1090,1091	036 GSA15A	LONG FUSE 250V15A
C1090-1093	041 AM1K153	ELECTROLYTIC CAPACITOR 80V15000uF
C1080,1083-1085	041 TUTES1C472-7TS	ELECTROLYTIC CAPACITOR 16C4700uF
C1066-1073,1079,1096	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C1074,1075	041 TUTES1H220-7TF	ELECTROLYTIC CAPACITOR 50V22uF
C1087	041 TUTES1J471-7TS	ELECTROLYTIC CAPACITOR 63V470uF
C1065,1078,1086	041 TUTES1V471-7TS	ELECTROLYTIC CAPACITOR 35V470uF
C1088	041 UTES1C103-7	ELECTROLYTIC CAPACITOR 16C10000uF
C1081,1082	041 UTES1V472-7	ELECTROLYTIC CAPACITOR 35V470uF
C1052-1056	043 TC500V103	CERAMIC CAPACITOR 500V0.01uF
C1049-1051	044 DE2E3KH472MA3B	SPARK KILLER 4700pF
C1043-1048,1060-1064,1094,1095	044 BQ014E0103J	MP CAPACITOR 100V0.01uF
R1065,1072	053 CR14-102J-A	CARBON RESISTOR 1/4W 1K
R1068-1070	053 CR14-220J-A	CARBON RESISTOR 1/4W 22
R1056,1066,1067,1074	053 CR14-222J-A	CARBON RESISTOR 1/4W 2.2K
R1073	053 CR14-3R3J-A	CARBON RESISTOR 1/4W 3.3
R1063,1064,1075	053 CR14-471J-A	CARBON RESISTOR 1/4W 470
R1071	053 CR14-473J-A	CARBON RESISTOR 1/4W 47K
R1059,1060,1077	054 1WS1JF	MOF RESISTOR 1W 1

SYMBOL.NO	PARTS NO.	DESCRIPTION
R1057,1058,1078,1079	054 2WS2.2JF	MOF RESISTOR 2W 2.2
R1050	054 MOF12-4M7	MOF RESISTOR 1/2W 4.7M
RL1054	063 EA2-12NU	RELAY EA2-12NU
RL1050	063 DG1U-24	RELAY DG24D1-O(M)-2
RL1052,1053	063 OSA-SS-224DM5	RELAY OSA-SS-224DM5
CP123-125,CP411-413	068 B2B-PH-KS	CONNECTOR WAFER 2P
CP113	068 B3B-PH-KS	CONNECTOR WAFER 3P
CP404,801	068 B5B-PH-KS	CONNECTOR WAFER 5P
CP102,301	068 B6B-PH-KS	CONNECTOR WAFER 6P
CP202	068 B9B-PH-KS	CONNECTOR WAFER 9P
CP403	068 B10B-PH-KS	CONNECTOR WAFER 10P
CP119	068 B2B-EH	CONNECTOR WAFER 2P
CP114	068 B5B-EH	CONNECTOR WAFER 5P
CP115	068 B7B-EH	CONNECTOR WAFER 7P
CP117,851-853	068 B2P-VH	CONNECTOR WAFER 2P
CP118	068 B4P-VH	CONNECTOR WAFER 4P
CP120	068 B7P-VH	CONNECTOR WAFER 7P
CP105-109,112,130,131	068 B2P3-VH	CONNECTOR WAFER 2P
CP303	069 B1P-LA-TA	1P LA PIN
016 X-1404C01-02 PCB ASSY		
	501 X-1404	PCB ASSY (FRONT)
XT1	023 CSTLS16MOX51BO	CERAMIC RESONATOR
IC1	031 CXP81120-126Q	IC SMD (CPU MASKING)
Q1,2	032 KRC107M	TRANSISTOR KRC107M
D1	034 T1N4148-86	DIODE 1N4148TAP-50
C10	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C8	041 TUTES1H3R3-7TF	ELECTROLYTIC CAPACITOR 50V3.3uF
C1,2	043 TC50V101-A	CERAMIC CAPACITOR 100pF
C7,9	043 TC50V223-A	CERAMIC CAPACITOR 0.022uF
C3-6	043 TC50V821-A	CERAMIC CAPACITOR 820pF
R1-6,16-18	053 CR14-103J-A	CARBON RESISTOR 1/4W 10K
R19	053 CR14-181J-A	CARBON RESISTOR 1/4W 180
R19	053 CR14-471J-A	CARBON RESISTOR 1/4W 470
R15	053 CR14-472J-A	CARBON RESISTOR 1/4W 4.7K
R7-14	053 CR14-473J-A	CARBON RESISTOR 1/4W 47K
RA20	055 ERJ6ENF4702V	RESISTOR CHIP 47K
E1	056 C-4678A01	ROTARY ENCODER EC16B243040F(D25) (VOLUME)
E2,E3	056 C-4678A02	ROTARY ENCODER EC16B242040A (D25) (TONE)
SW33	061 C-4172A13	PUSH SWITCH (NON LOCK)
SW1-32	061 C-4679A04	TACT SWITCH SKHHAPA010
CP3,5	068 S2B-PH-KS	CONNECTOR WAFER
CNP102	068 S6B-PH-KS	CONNECTOR WAFER
CNP406	068 S7B-PH-KS	CONNECTOR WAFER
CP1	068 S10B-PH-KS	CONNECTOR WAFER
HEAT SINK ASSEMBLY		
	017 UY3-04A00	HEAT SINKER BOARD (L)
	017 UY3-05A00	HEAT SINKER BOARD (R)
	019 TO-126	MICA SHEET TBM-51W-15 #9524
	019 TO-220	MICA SHEET TBM-51W-15 #9036
	019 TO-3P2	MICA SHEET TBM-51W-15 #9002
Q107,207,307,407,507,607,707,	032 C4137-V	TRANSISTOR 2SC4137
Q111,211,311,411,511,611,711,	033 A1494-PG	TRANSISTOR 2SA1494-PG
Q109,209,309,409,509,609,709,	033 A1667-OY	TRANSISTOR 2SA1667-OY
Q110,210,310,410,510,610,710,	033 C3858-PG	TRANSISTOR 2SC3858-PG
Q108,208,308,408,508,608,708,	033 C4381-OY	TRANSISTOR 2SC4381-OY
CP851	034 P43T7D100BW20	POSISTOR
CP125	063 B1009N80-5NNO	THERMOSTAT SENSOR 80°C
O T H E R S		

SYMBOL.NO	PARTS NO.	DESCRIPTION
CP123,124	011 FP-567C-B	BLACK PANEL ASSY
	011 FP-567C-S	SILVER PANEL ASSY
	011 UY3-01A00	H/S PANEL
	012 RV4-09A00	PUSH BUTTON 14F (BLACK)
	012 RV4-09A01	PUSH BUTTON 14F (SILVER)
	012 TB3-16A00	KNOB 44F NO MARK (BLACK)
	012 TB3-16A00S	KNOB 44F NO MARK (SILVER)
	012 TB3-17A00	KNOB 13F NO MARK (BLACK)
	012 TB3-17A00S	KNOB 13F NO MARK (SILVER)
	012 TB3-18A00	TACT BUTTON 16 KEY (BLACK)
	012 TB3-18A01	TACT BUTTON 16 KEY (SILVER)
	014 TD3-08A00	UPPER COVER
	019 4TSH-19#2	PLASTIC FOOT 50F (BLACK)
	019 C-4864A00	FAN GUARD 80F
	021 RLA172A00	AM LOOP ANT
	022 T-1093N01	SUB TRANSFORMER
	022 T-1094U01	MAIN POWER TRANSFORMER
	024 SE2408PTV1-0260	FAN MOTOR WITH CONNECTOR
	034 SEL1124R	LED (RED) 1X5
	034 SEL1E24W	LED (BLU) 1X5
	069 18-24	F CONNECTOR (for US)
	069 C-4629A01	AC 2P INLET 6102.3100
CNT100	071 RE4-11A03	BOLT SCREW 8X110mm
	072 C-4863A00	FLAT CABLE L=150mm
	072 4TR-3228	T TYPE ANTENNA
	072 C-4621A03	AC CORD SET 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)
	081 UY3-09A00	INSIDE CARTON
	081 UY3-10A00	SHIPPING CARTON
	081 ZE-206	ETHAFOAM MOULDING
	082 OMRSX-1067	OWNER'S MANUAL
	092 MB114MA1-1B	TUNER PACK
	092 RR-1050	REMOTE UNIT

Addendum List for Black and Silver

RSX1067/V02

SYMBOL	PARTS	DESCRIPTION
①	011 FP-567-B	BLACK PANEL ASSY
②	011 FP-567-S	SILVER PANEL ASSY
③	011 UY3-01A00	H/S PANEL H176
	012 RV4-09A00	PUSH BUTTON 14F (BLK)
	012 RV4-09A01	PUSH BUTTON 14F (SLV)
	012 TB3-16A00	KNOB 44F NO MARK (BLK)
	012 TB3-16A00S	KNOB 44F NO MARK (SLV)
	012 TB3-17A00	KNOB 13F NO MARK (BLK)
	012 TB3-17A00S	KNOB 13F NO MARK (SLV)
	012 TB3-18A00	TACT BUTTON 16 KEY (BLK)
	012 TB3-18A01	TACT BUTTON 16 KEY (SLV)
④	013 TD3-07B00	SUB PANEL CHASSIS (BLK)
⑤	013 TD3-07B01	SUB PANEL CHASSIS (SLV)

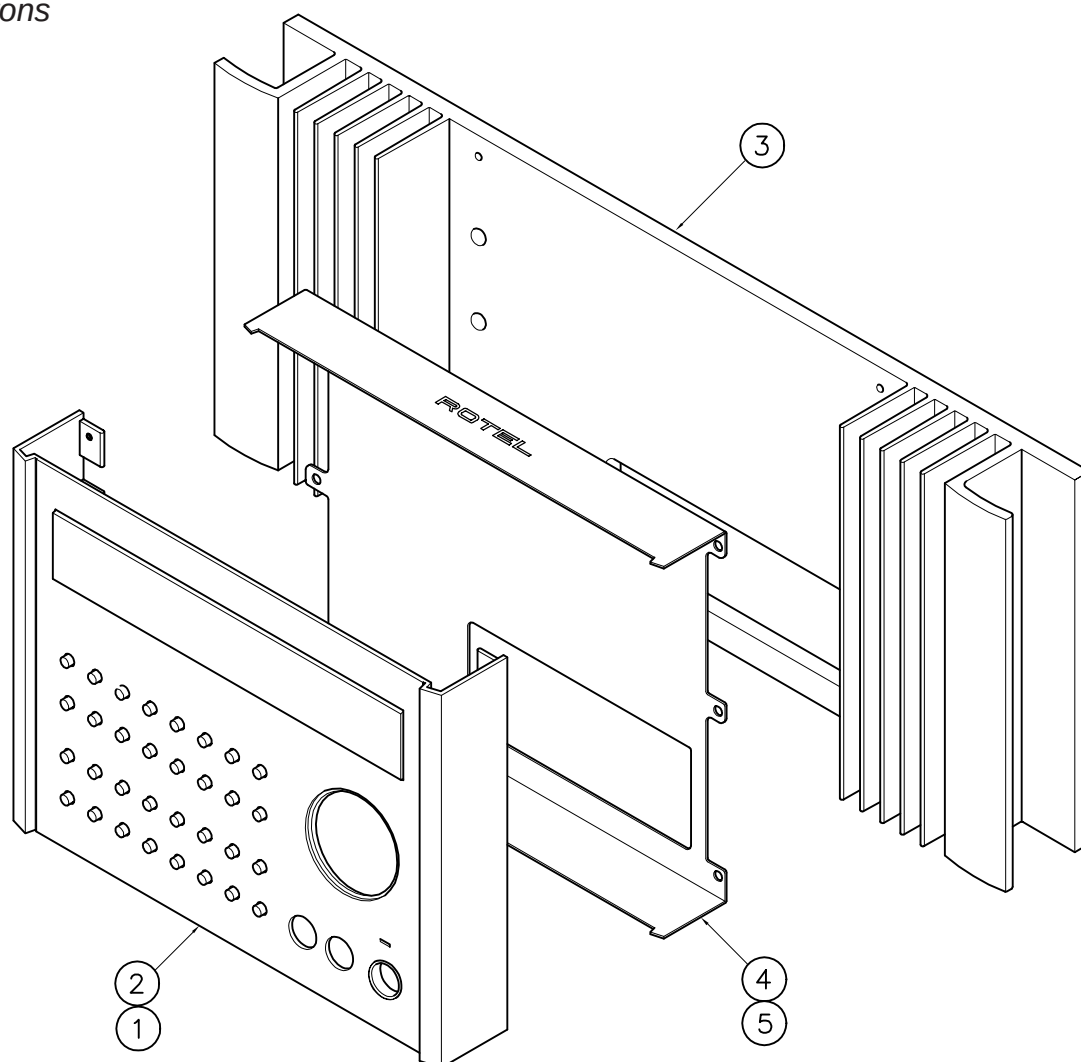
Panel Assy is included:

Panel Window

Knob Ring

Tact buttons

LED



<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.
2. RSX-1067V02 is modified for added Bi-Amp feature from RSX-1067.

Procedure of RSX-1067 software upgrade

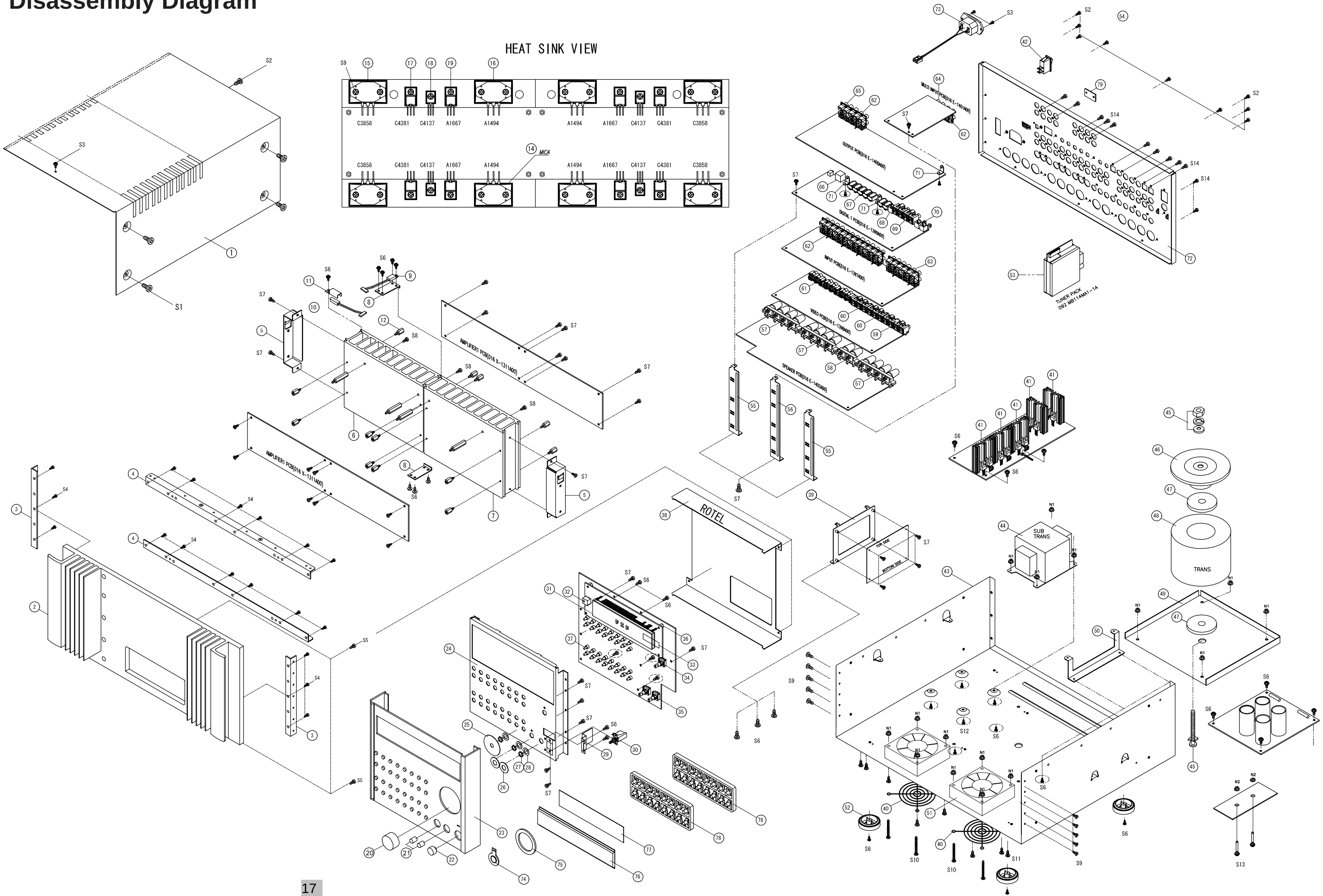
*Note : This procedure is made by translation of Windows 98 version. So some of menu or option name may not be matched with some versions of Windows 98.

First of all, User should have the new software file (via internet download) before preceding the software up-grade process.

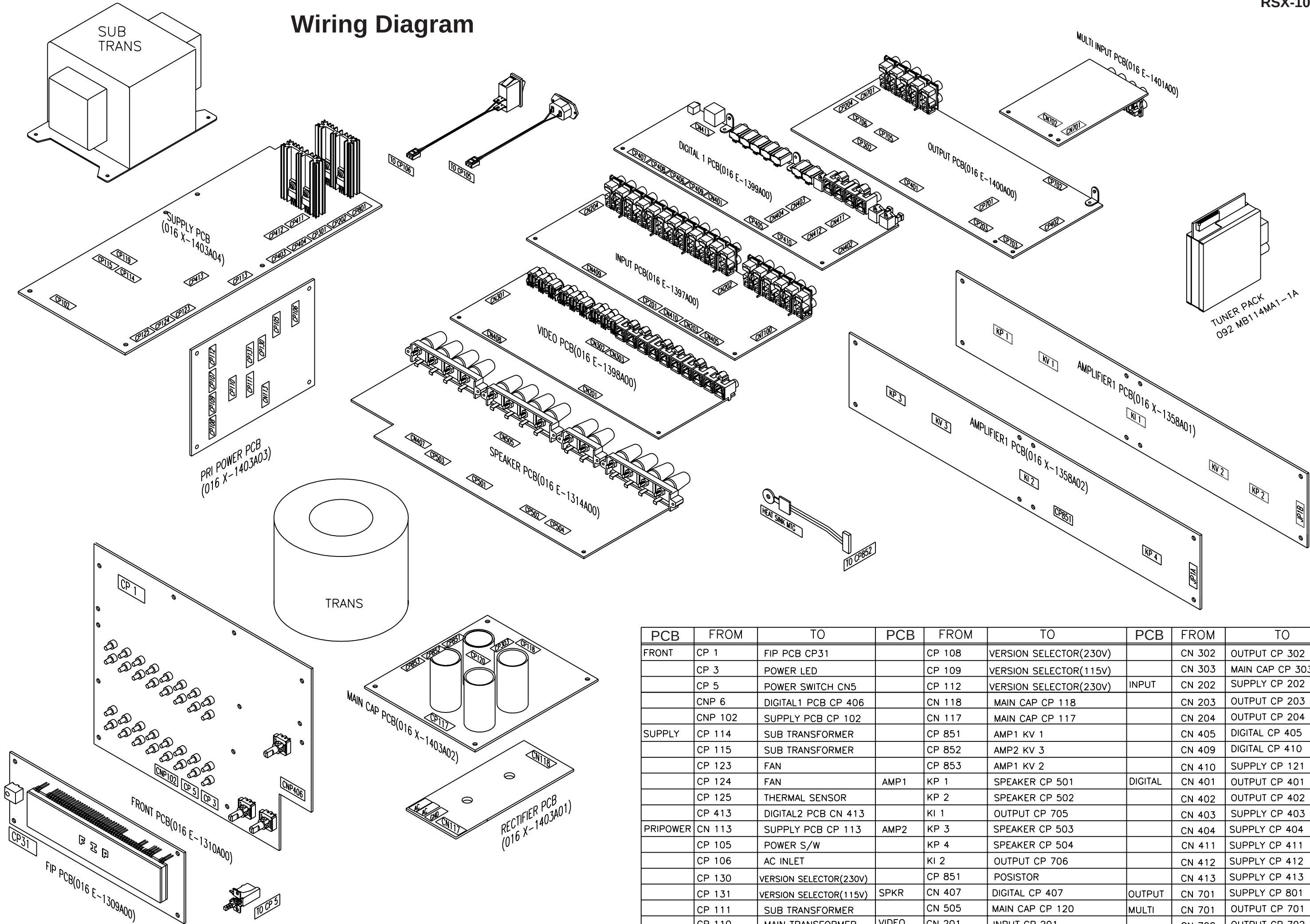
1. Power RSX-1067 off (rear panel master power switch).
2. Remove all of connections between RSX-1067 and other equipments.
3. Connect RSX-1067 and PC with RJ45/DB9 cable. RJ45 jack should be connected to COMPUTER I/O port in RSX-1067 rear panel. DB9 jack will be connected to PC serial port (ex. COM1 or COM2,,).
4. Switch down the SOFTWARE UPGRADABLE key to ON in RSX-1067 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-1067 on (rear master power switch) 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-1067 off (rear master power switch) and switch up the SOFTWARE UPGRADABLE key to Off in the rear panel.
18. Disconnect the cable between PC and the RSX-1067.
19. Power RSX-1067 on (rear master power switch and front standby switch) and set the default setting on the OSD screen menu with connecting a TV monitor. And confirm if the software version is upgraded.

NO.	PARTS NO.	DESCRIPTION	NO.	PARTS NO.	DESCRIPTION
1	014 TD3-08A00	UPPER COVER	51	024 SE2408PTB1-0260	FAN
2	011 TD3-01B00	H/S PANEL	52	019 4TSH-19#2	FOOT
3	013 TD4-11A00	SUPPORT SIDE (2EA)	53	016 E-1325A00	TUNER PCB
4	013 SG4-14D00	SUPPORT B (2EA)	54	071 4TVL-7#12	CYNDER BUSH H=35
5	013 UY4-06A00	HS SUPPORT (A)	55	013 TD3-15A00	PCB SUPPORT-A(2EA)
6	017 TD3-03A00	H/S BOARD 'L'	56	013 TD3-16A00	PCB SUPPORT-B
7	017 TD3-04A00	H/S BORAD 'R'	57	067 4761A01	SPEAKER TERMINAL 4P
8	013 TD4-10A00	SUPPORT H/S (2EA)	58	067 4762A01	SPEAKER TERMINAL 2P
9	034 P43T7D100BUNN20	POSISTOER	59	066 C-4860A01	RCA JACK 4P(Y), COMPOSITE
10	063 B1009N80-5NN0	THERMAL SENSOR	60	066 4TR-2964#10	RCA JACK 3P(Y), COMPOSITE
11	013 TD4-20A00	SENSOR BKT	61	066 C-4604A02	RCA JACK 3P, S-VHS
12	071 4TVL-8#14	KARA SCREW (16EA) 7mm	62		RCA JACK 6P(WWW,RRR)
13	071 4TVL-8#31	KARA SCREW (6EA) 34mm	63		RCA JACK 6P(G,B,R)
14	019 TO 3P	MICA	64		RCA JACK 2P(B,B)
15	033 C3856-OPY	TR (10EA)	65		RCA JACK 4P(BB,BB)
16	033 A1492-OPY	TR (10EA)	66	066 SY010-8P/K	RJ 45
17	033 C4381-OY	TR (5EA)	67	066 SY010-8P/K	RJ 45
18	C 4137	TR (5EA)	68		DIGITAL OPTICAL OUT
19	033 A1667-OY	TR (5EA)	69		RCA JACK 2P(B,B)
20	012 TB3-16A00	KNOB 44F	70		DIGITAL OPTICAL INPUT
21	012 TB3-17A00	KNOB 13F(2EA)	71	013 4TTU-13	SUPPORT PCB(3EA)
22	012 RV4-09A00	PUSH BUTTON	72	015 RP-421A	REAR CH'
23	011 FP-527	SUB PANEL	73	069 C-4629A01	AC IN LET
24	015 TD3-06A00	FRONT CH'	74	019 RV4-10A00	POWER BUTTON RING
25	019 4TR-1083B#7	FELT 51FX9F	75	019 C-4754A00	KNOB RING
26	019 4TR 1083B#6	FELT 20FX9F(2EA)	76	014 4TQS-7#9	PANEL WINDOW
27	070 KN9ZK	NUT (3EA)	77	014 C-4462A09	FILTER BORAD
28	070 W9NI	WASHER (3EA)	78	012 TB3-18A00	TACT BUTTON 16KEY(2EA)
29	019 TD4-14A00	INSULATION SHEET	79	013 TD4-12A00	SERVICE MASK BORAD
30	061C-4176A08	POWER S/W			
31	035 HNR22ML02	FIP			
32	031 SBX3010-52B	REMOTE SENSOR	SCREW		
33		SPONGE	S1	071 WB4X8BK	
34	056 C-4678A01	VR MAIN	S2	071 BTV3X8BK	
35	056 C-4678A02	VR TONE (2EA)	S3	071 MO3X8BK	
36	071 4tvL-7#23	CYNDER BUSH(4EA)	S4	071 MB4X8NI	
37	061 C-4679A01	TACT S/W	S5	071 NSM3X16ZK	
38	013 TD3-07A00	HOLDER SUB PANEL	S6	071 BTV3X8NI	
39	013 TD3-17A00	SUPPLY PCB BRACKET	S7	071 MB3X6NI	
40	017 C-4682A11	REG TR H/S H=60	S8	071 NSM3X10ZK	
41			S9	071 MB3X6NI	
42	069 C-4372A00	AC OUT LET 2P	S10	071 NSM4X30NI	Fix FAN
43	018 TD3-09A00	BODY CH'	S11	071 NSM3X6ZK	
44	022 T-1082N01	SUB PT EI	S12	071 NSM4X8NI	
45		SCREW BOLT KIT	S13	071 CTB4X20NI	
46		PT FIX	S14	071 PTV3X8BK	
47		RUBBER PT			
48	022 T-1080U01	PT EI			
49	013 RV4-08B00	SUPPORT			
50	013 TD4-18A00	CE PCB SUPPORT			

Disassembly Diagram

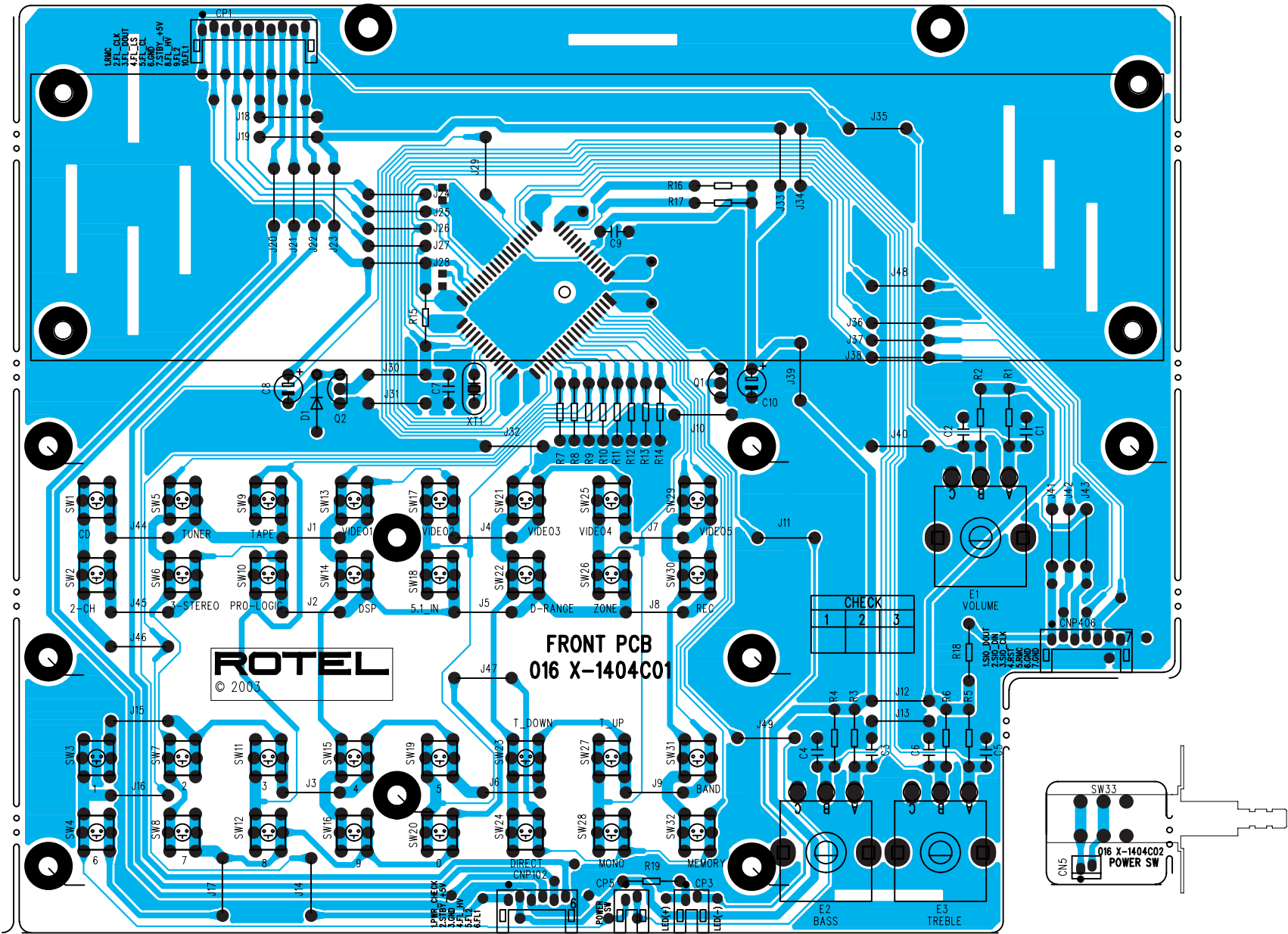


Wiring Diagram

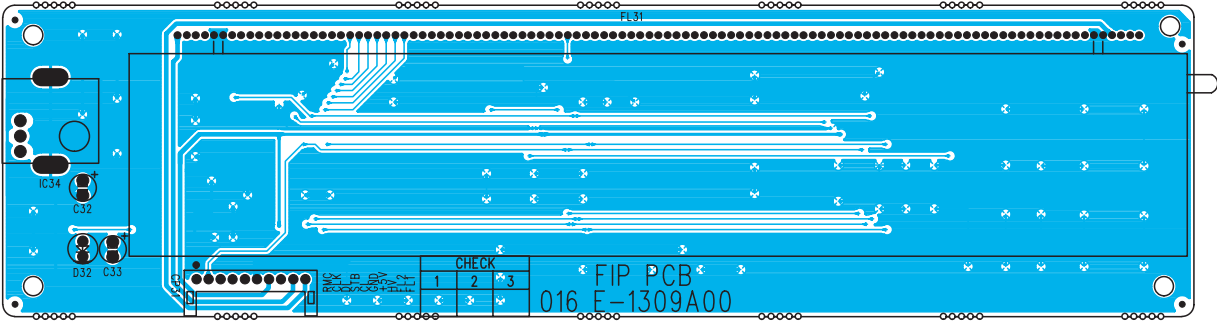


PCB	FROM	TO	PCB	FROM	TO	PCB	FROM	TO
FRONT	CP 1	FIP PCB CP31		CP 108	VERSION SELECTOR(230V)		CN 302	OUTPUT CP 302
	CP 3	POWER LED		CP 109	VERSION SELECTOR(115V)		CN 303	MAIN CAP CP 303
	CP 5	POWER SWITCH CN5		CP 112	VERSION SELECTOR(230V)	INPUT	CN 202	SUPPLY CP 202
	CNP 6	DIGITAL1 PCB CP 406		CN 118	MAIN CAP CP 118		CN 203	OUTPUT CP 203
	CNP 102	SUPPLY PCB CP 102		CN 117	MAIN CAP CP 117		CN 204	OUTPUT CP 204
SUPPLY	CP 114	SUB TRANSFORMER		CP 851	AMP1 KV 1		CN 405	DIGITAL CP 405
	CP 115	SUB TRANSFORMER		CP 852	AMP2 KV 3		CN 409	DIGITAL CP 410
	CP 123	FAN		CP 853	AMP1 KV 2		CN 410	SUPPLY CP 121
	CP 124	FAN	AMP1	KP 1	SPEAKER CP 501	DIGITAL	CN 401	OUTPUT CP 401
PRIPOWER	CP 125	THERMAL SENSOR		KP 2	SPEAKER CP 502		CN 402	OUTPUT CP 402
	CP 413	DIGITAL2 PCB CN 413		KI 1	OUTPUT CP 705		CN 403	SUPPLY CP 403
	CN 113	SUPPLY PCB CP 113	AMP2	KP 3	SPEAKER CP 503		CN 404	SUPPLY CP 404
	CP 105	POWER S/W		KP 4	SPEAKER CP 504		CN 411	SUPPLY CP 411
	CP 106	AC INLET		KI 2	OUTPUT CP 706		CN 412	SUPPLY CP 412
	CP 130	VERSION SELECTOR(230V)		CP 851	POSISTOR		CN 413	SUPPLY CP 413
	CP 131	VERSION SELECTOR(115V)	SPKR	CN 407	DIGITAL CP 407	OUTPUT	CN 701	SUPPLY CP 801
	CP 111	SUB TRANSFORMER		CN 505	MAIN CAP CP 120	MULTI	CN 701	OUTPUT CP 701
	CP 110	MAIN TRANSFORMER	VIDEO	CN 201	INPUT CP 201		CN 702	OUTPUT CP 702
	CP 107	VERSION SELECTOR(115V)		CN 408	DIGITAL CP 408			

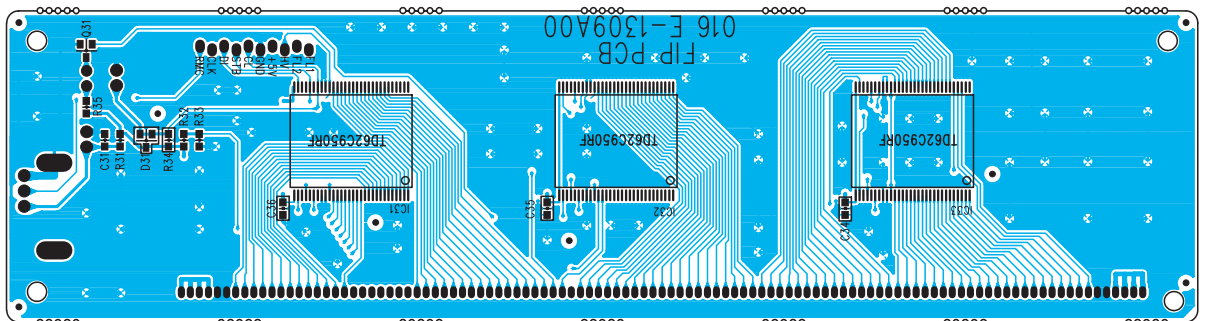
Front PCB 016X-1404C01~02



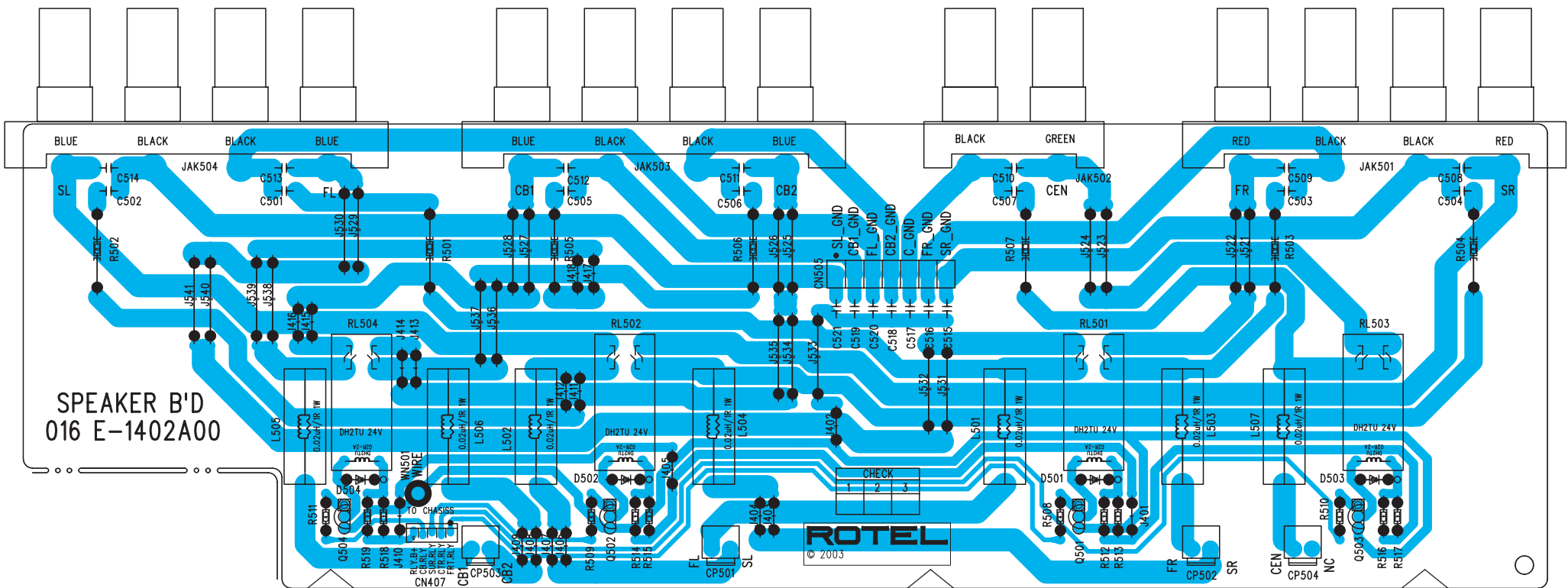
FIP PCB 016E-1309B00 Top side view



FIP PCB 016E-1309B00 Bottom side view

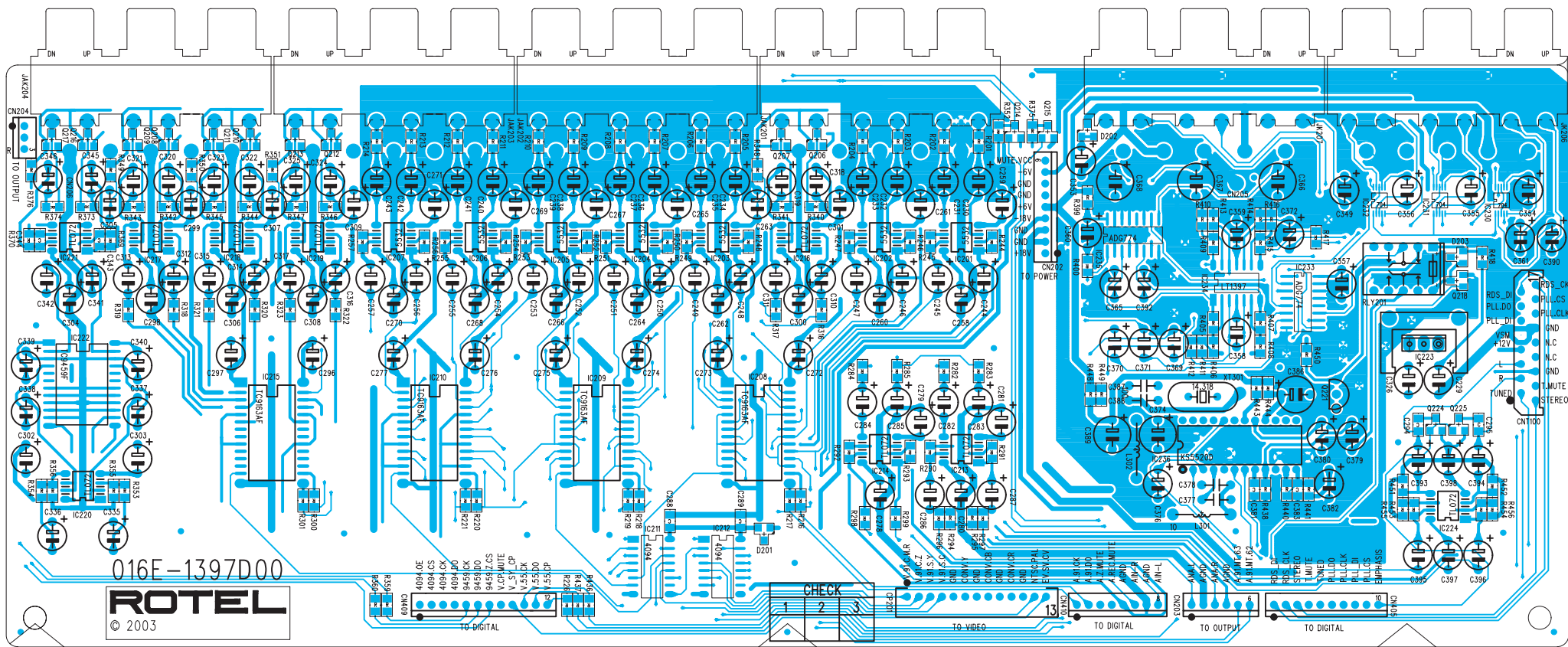


Speaker Terminal PCB 016E-1402A00

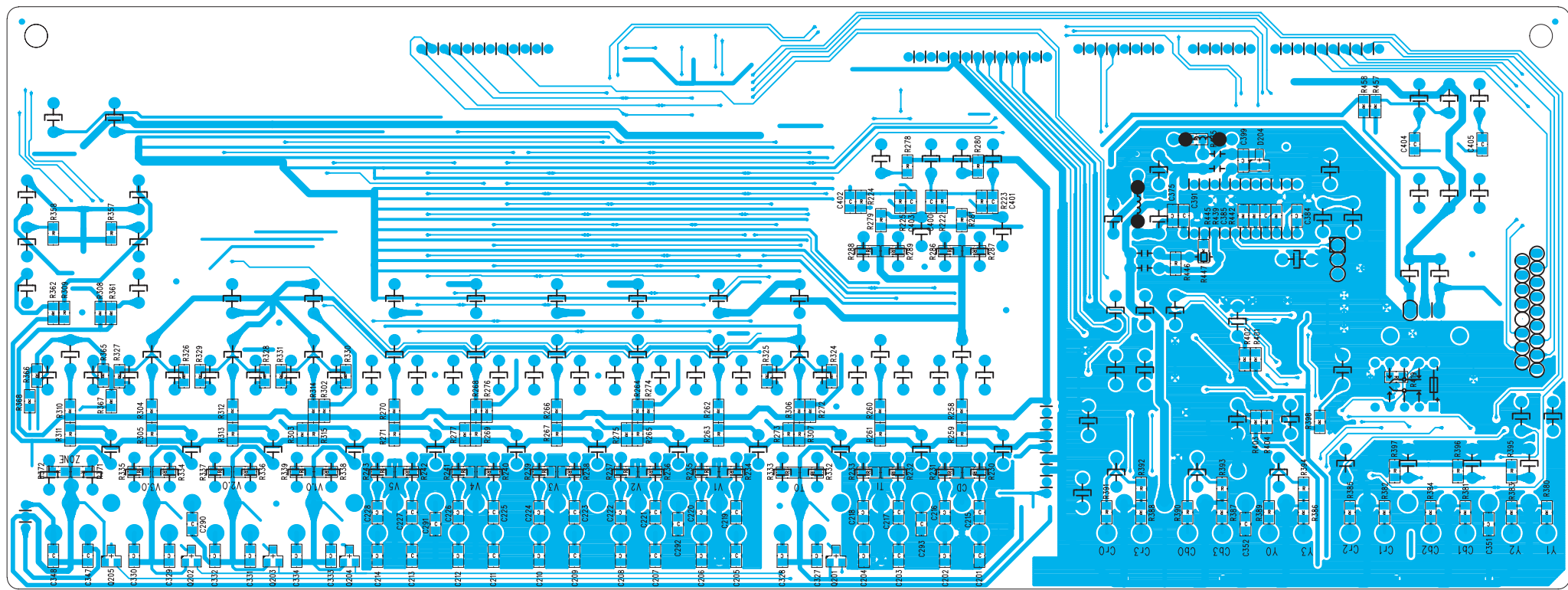


Input PCB 016 E-1397D00

Input PCB Top View

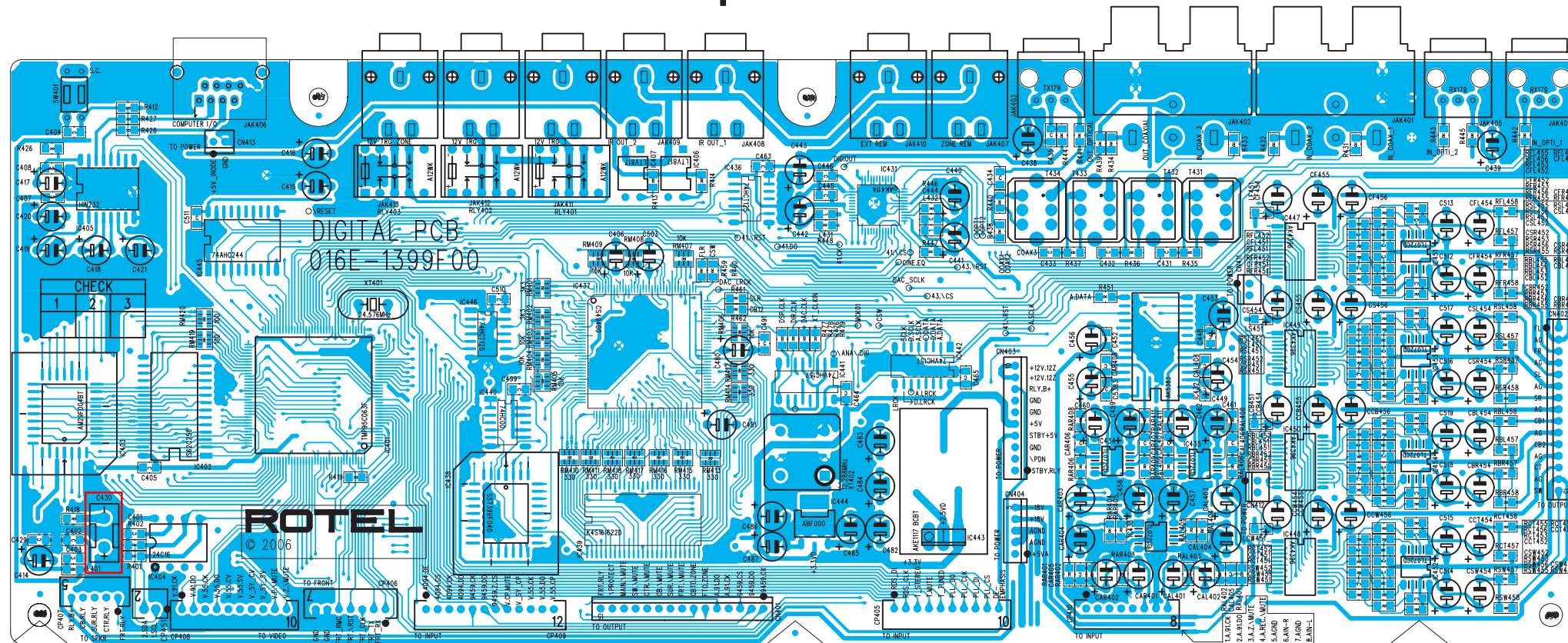


Input PCB Bottom View



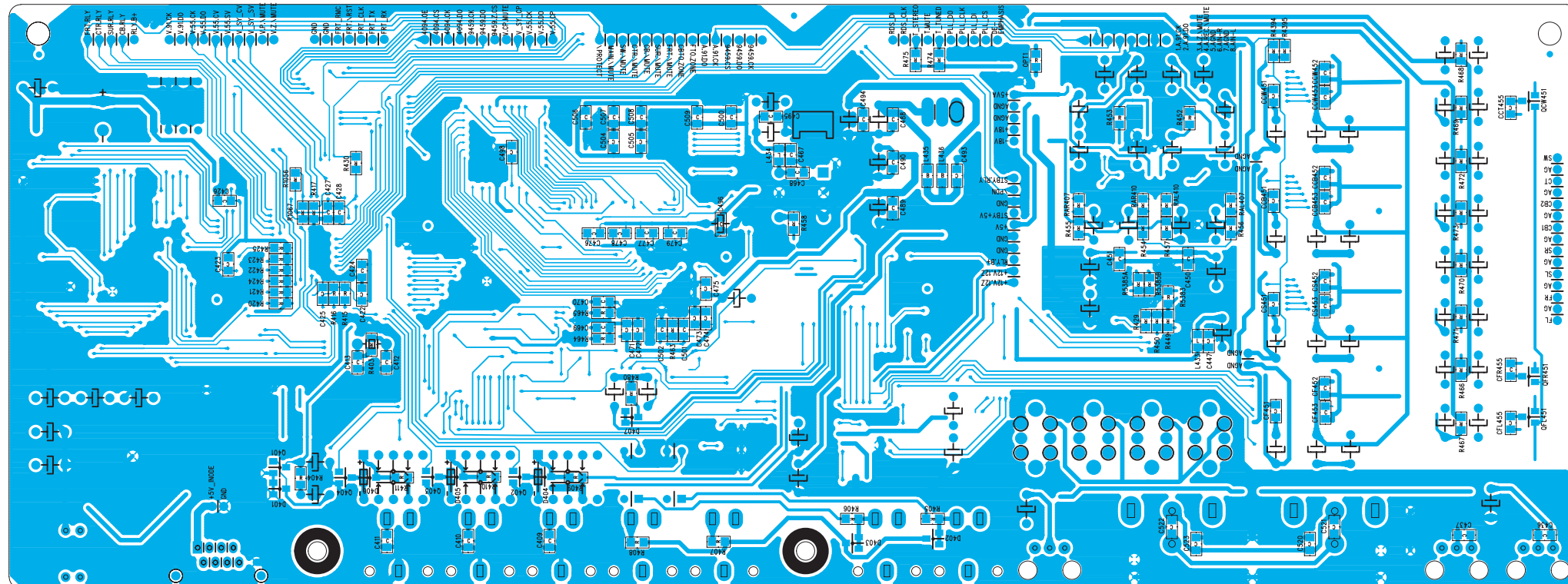
Digital PCB 016 E-1399F00

Top View



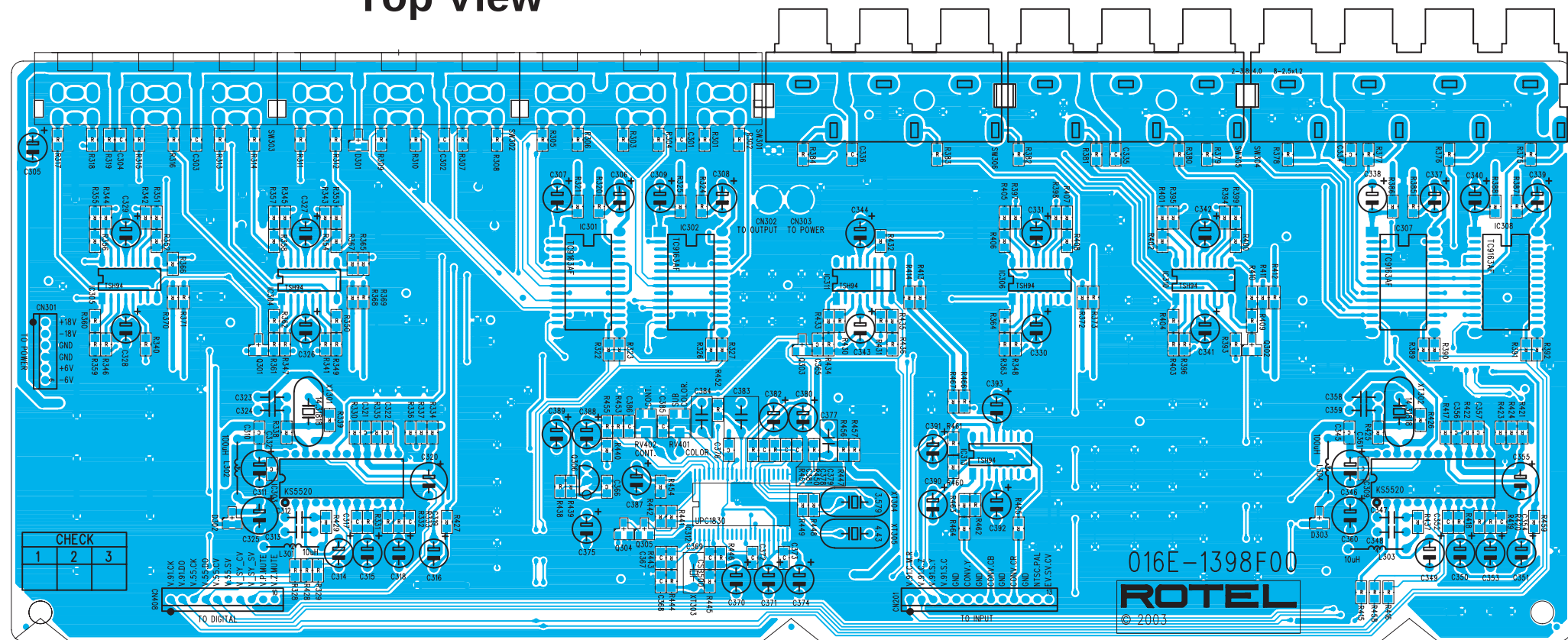
Back-Up Memory Cap

Bottom View

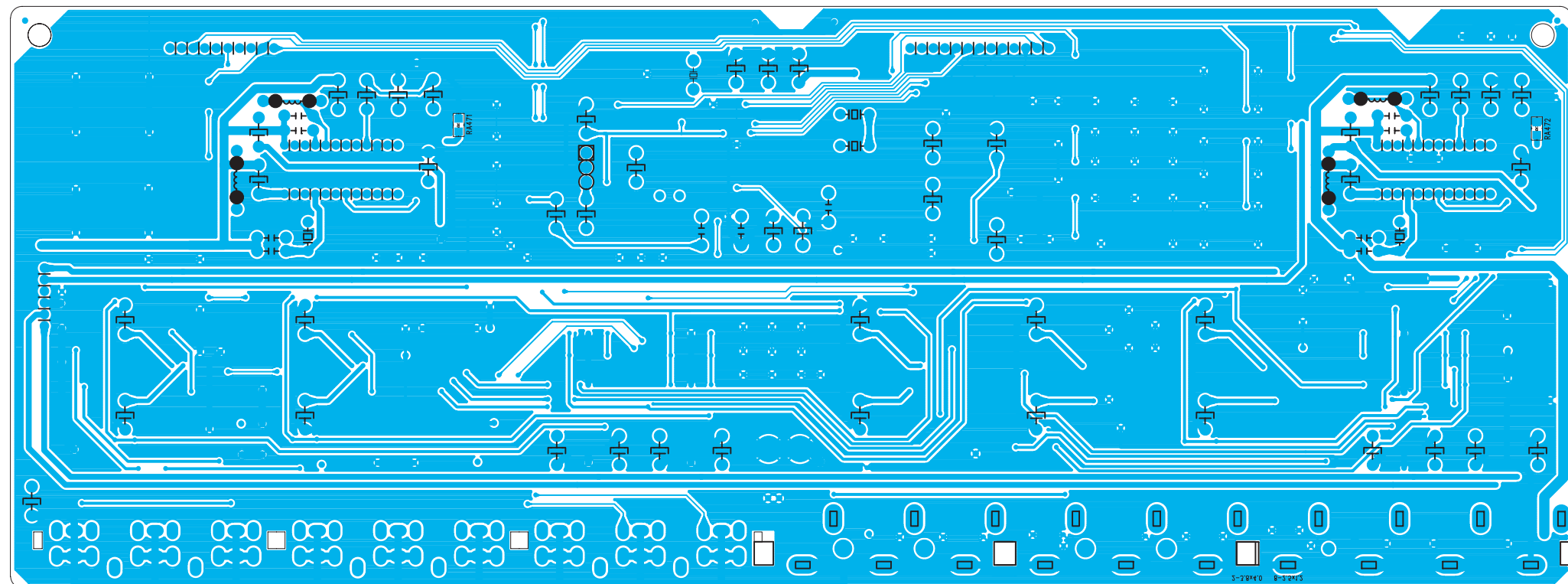


Video PCB 016 E-1398F00

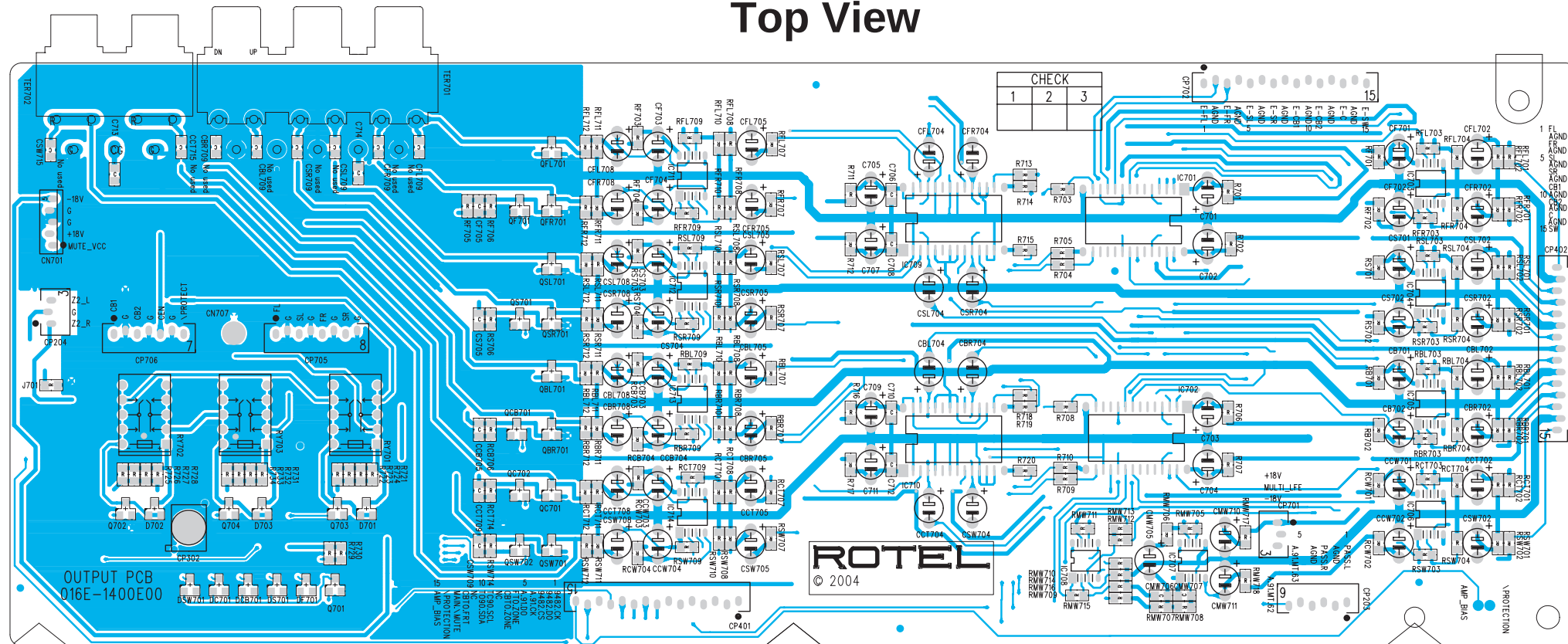
Top View



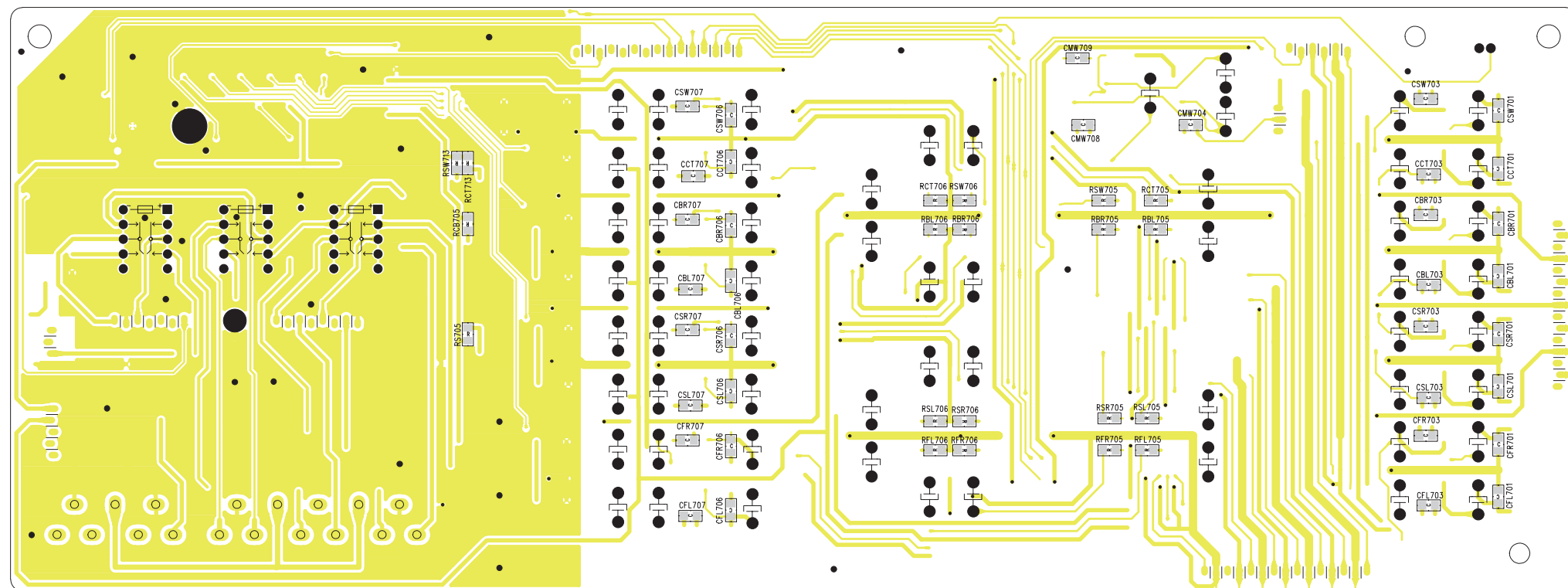
Bottom View



Output PCB 016 E-1400E00

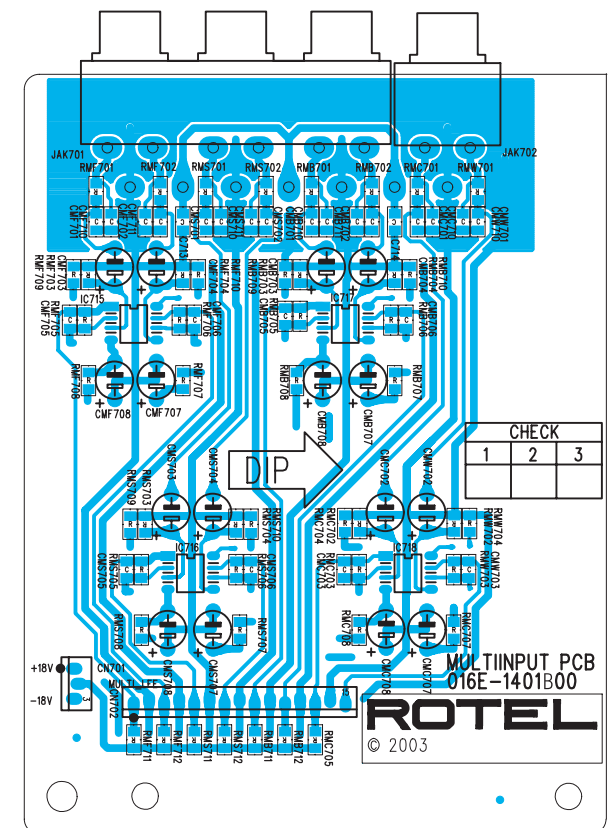


Bottom View

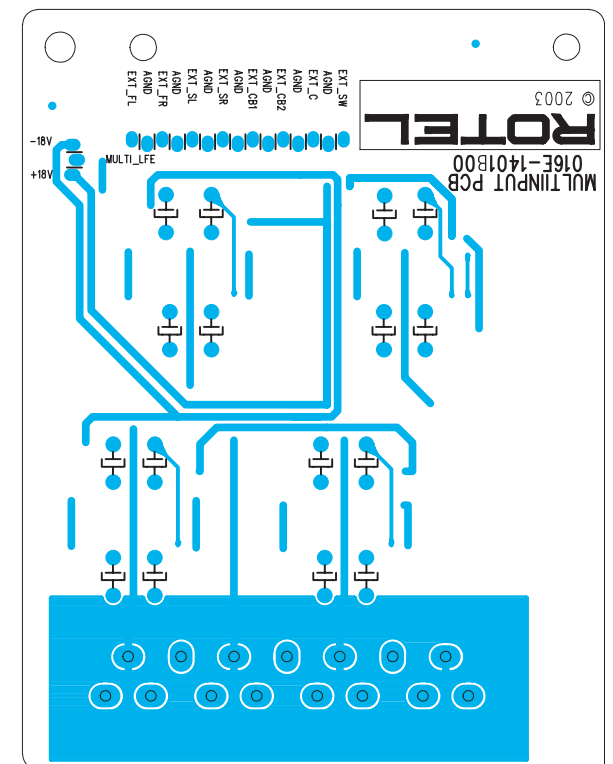


Multi-Input PCB 016 E-1401B00

Top View

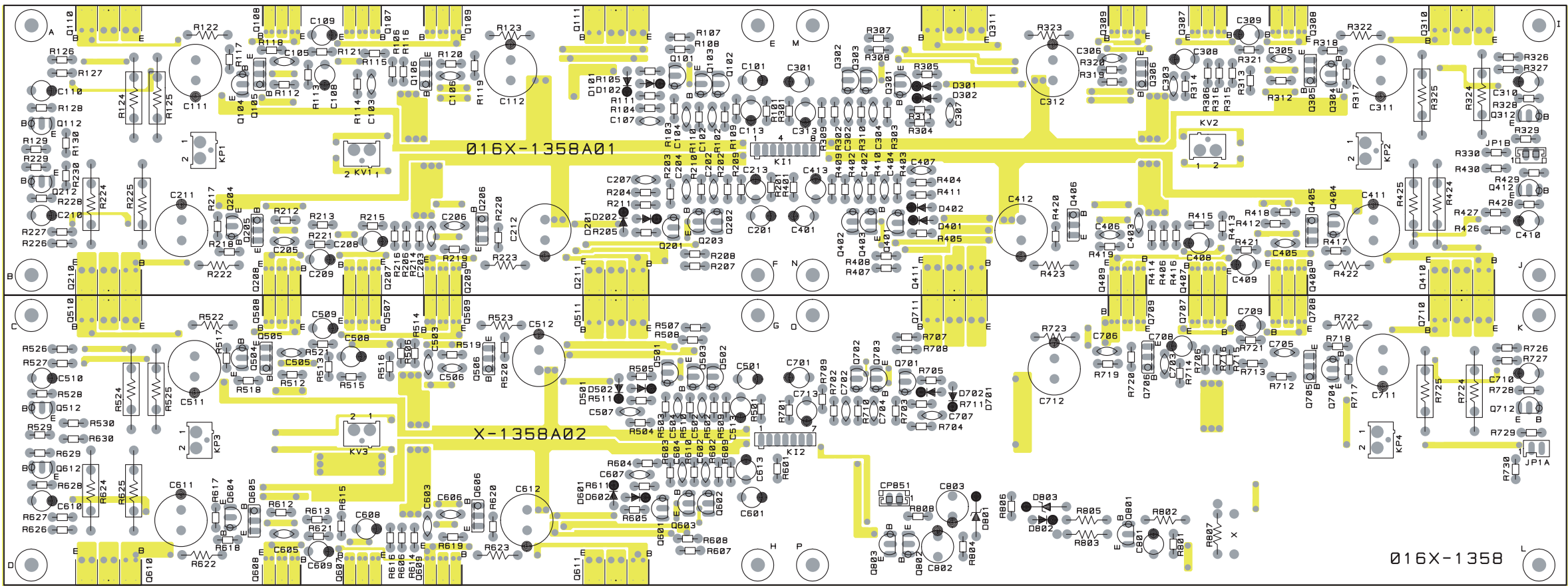


Bottom View

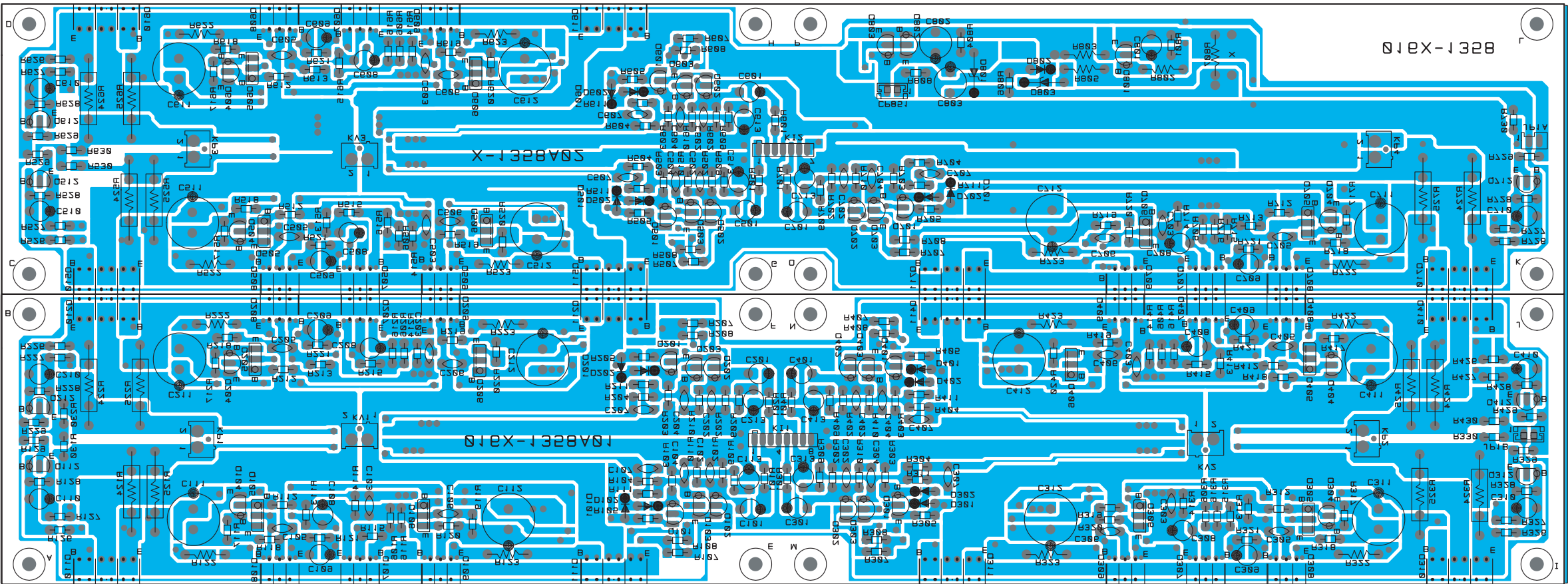


Power Amplifier PCB 016 X-1358A01 - 02

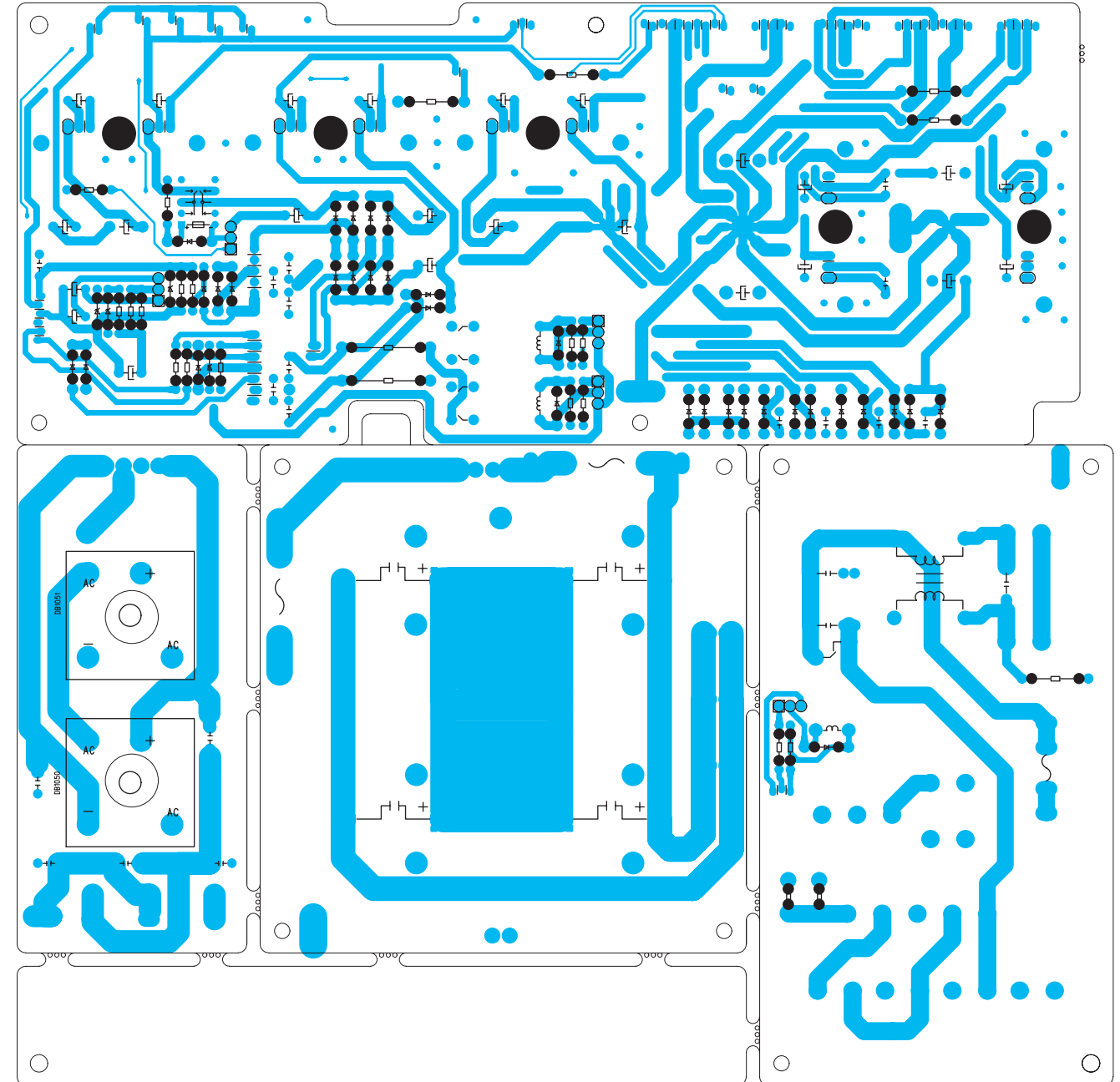
Top View

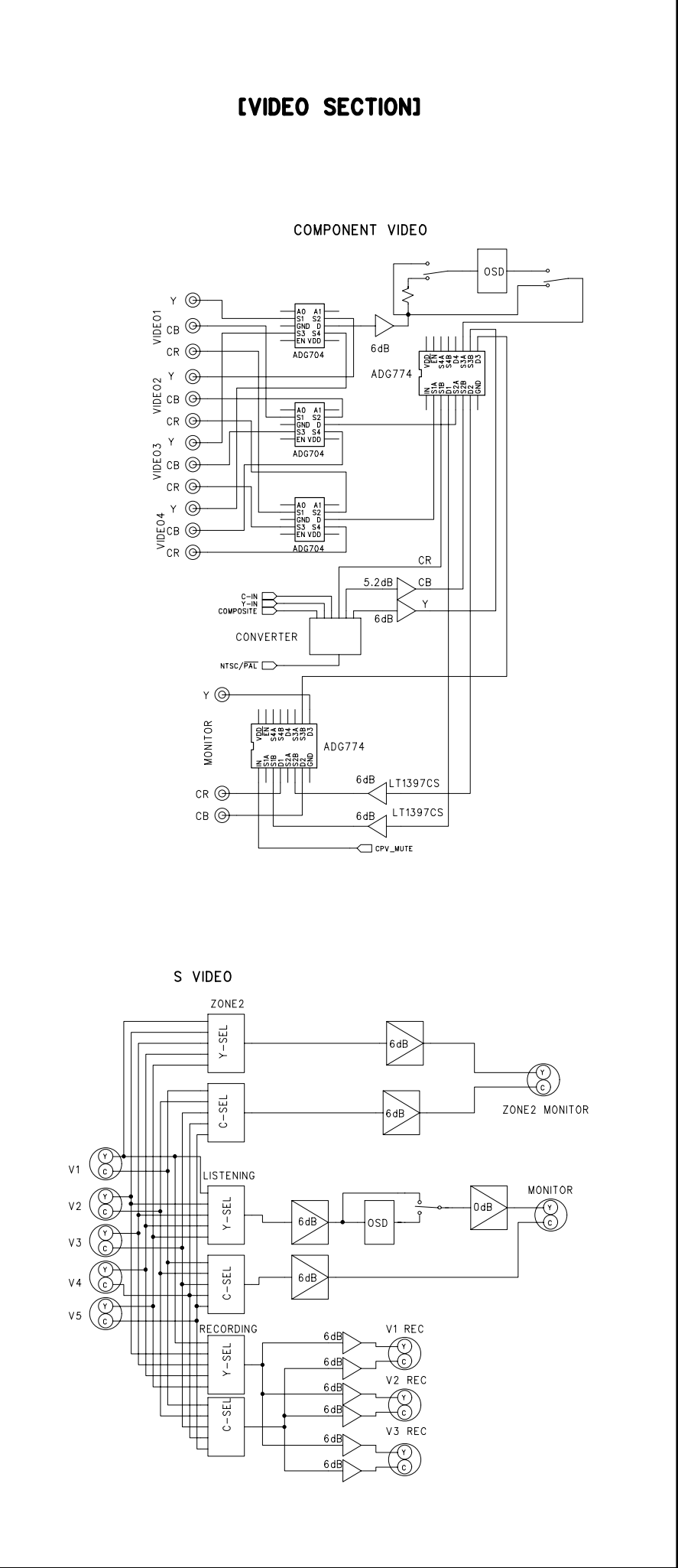
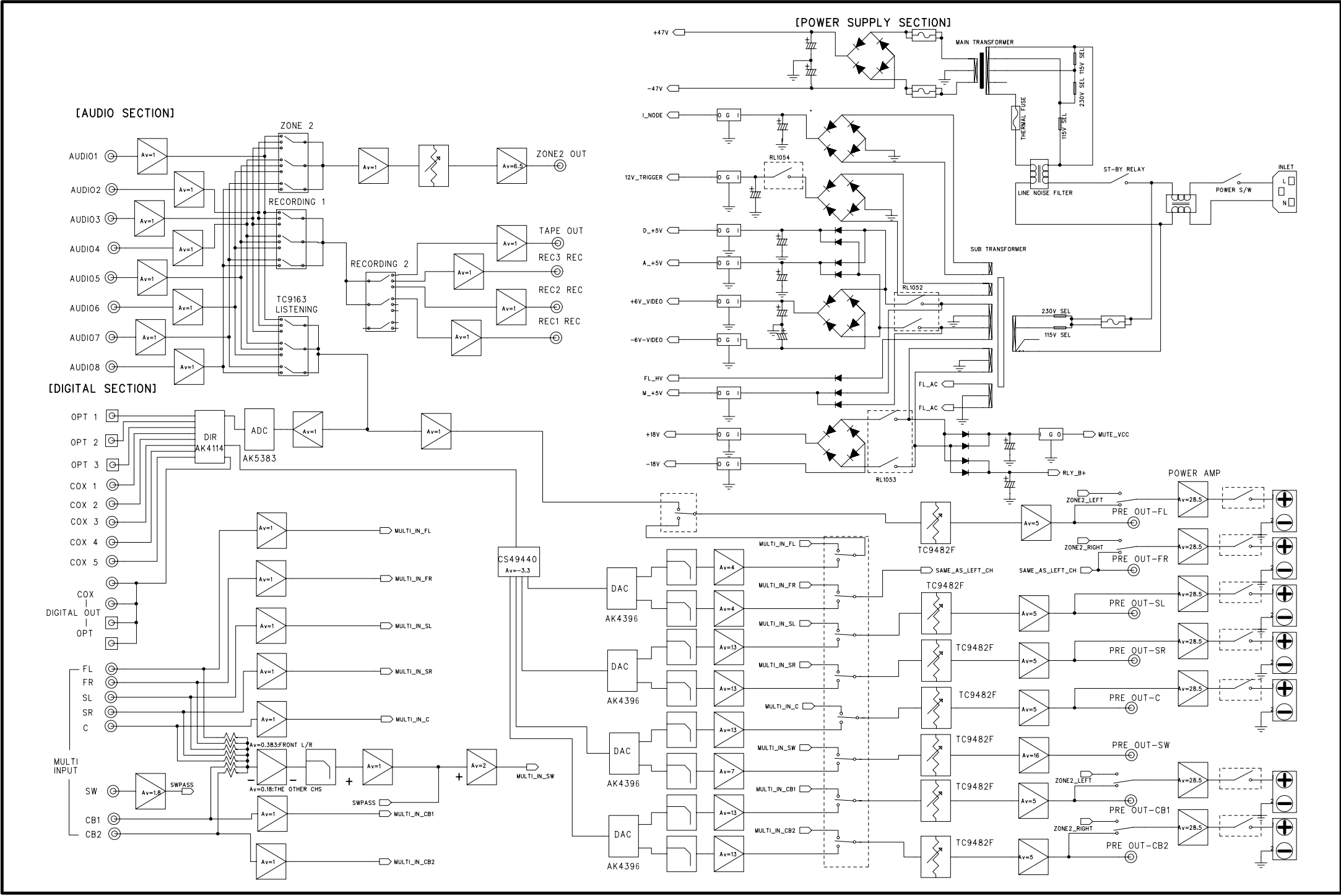


Bottom View

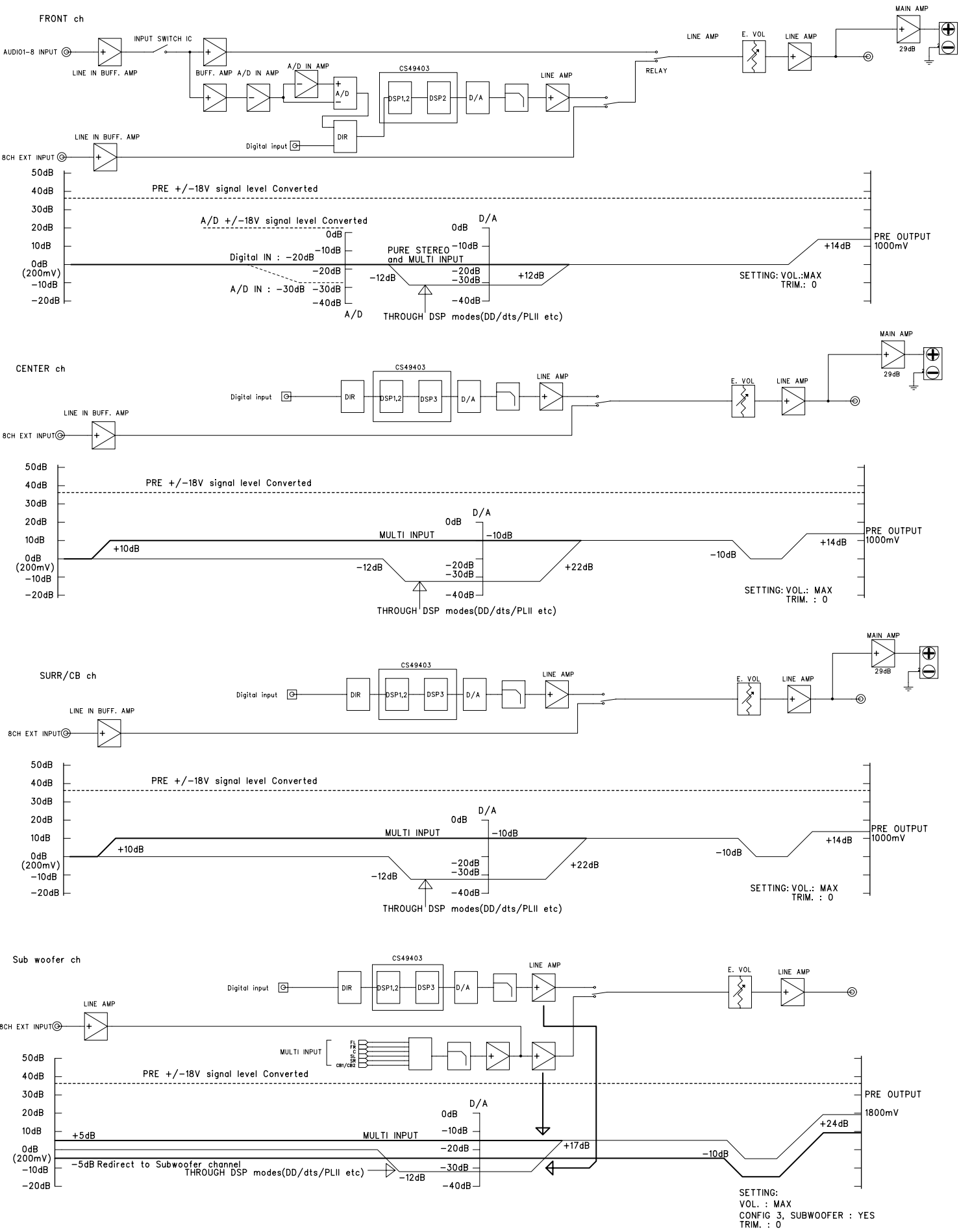


Bottom View

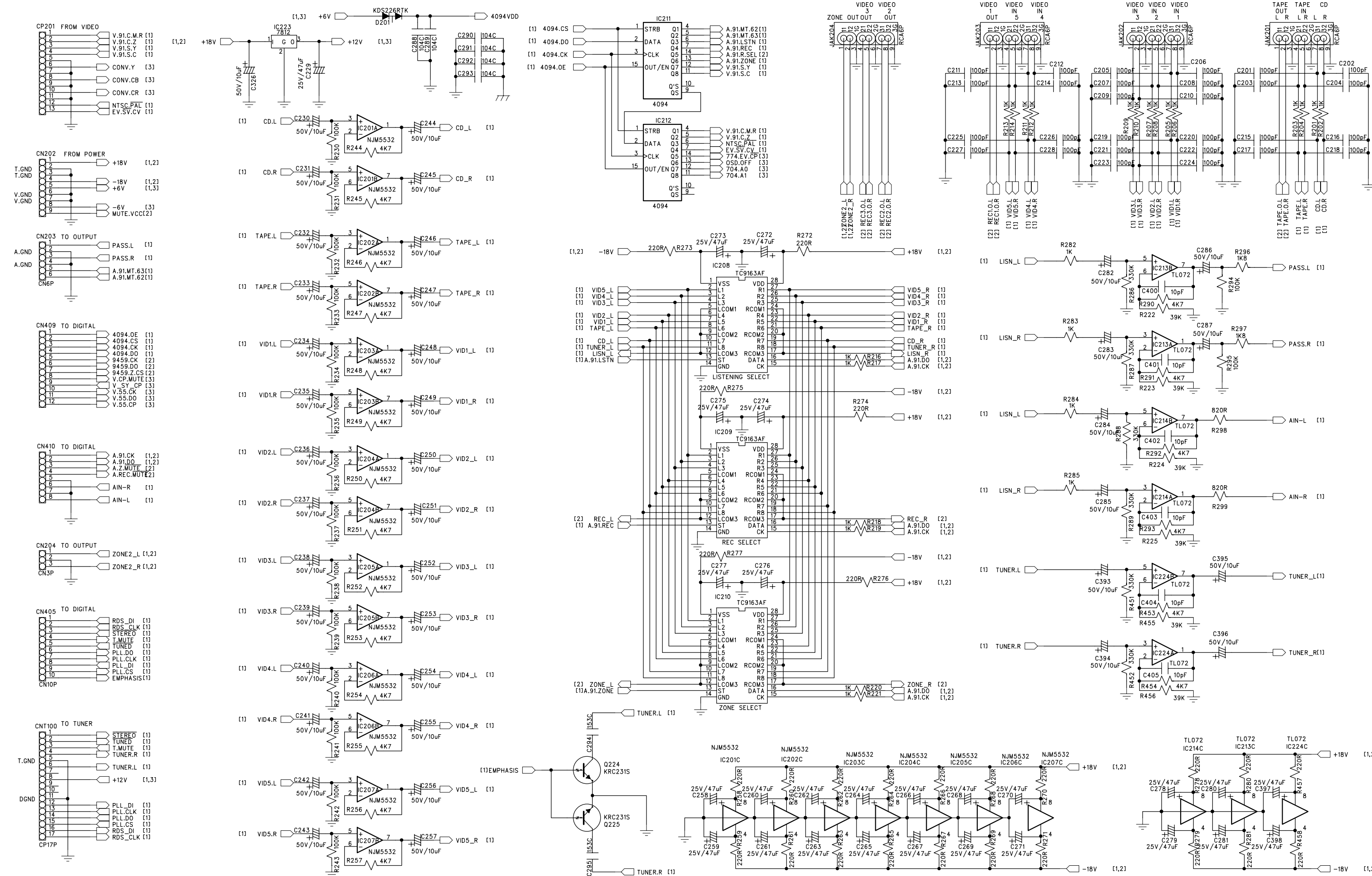




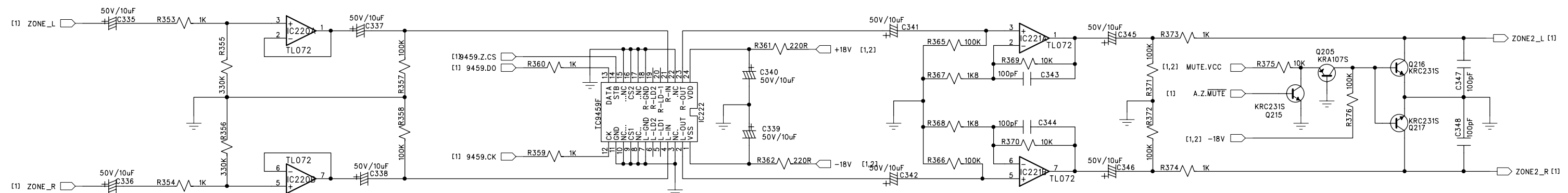
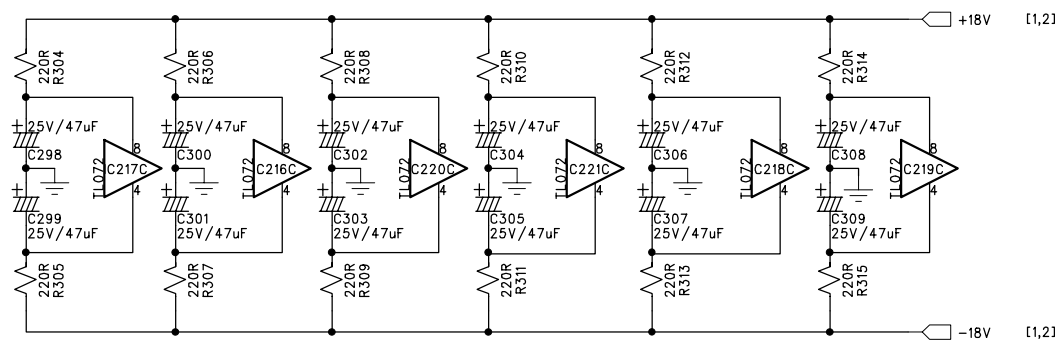
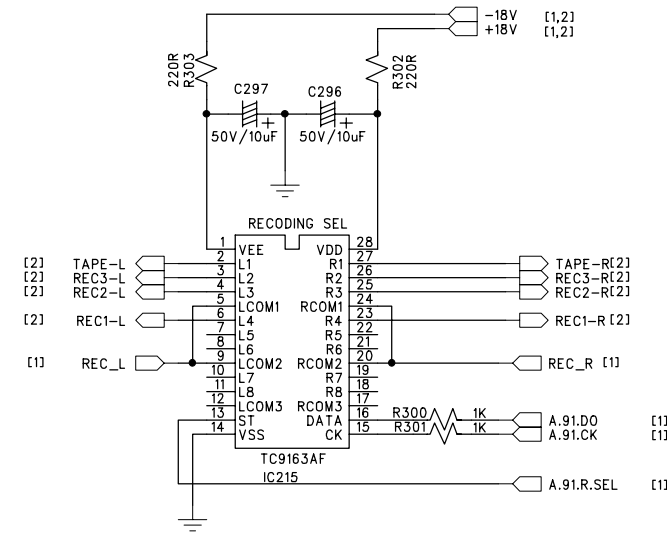
Level Diagram



Input PCB (1/3) 016 X -1397D00

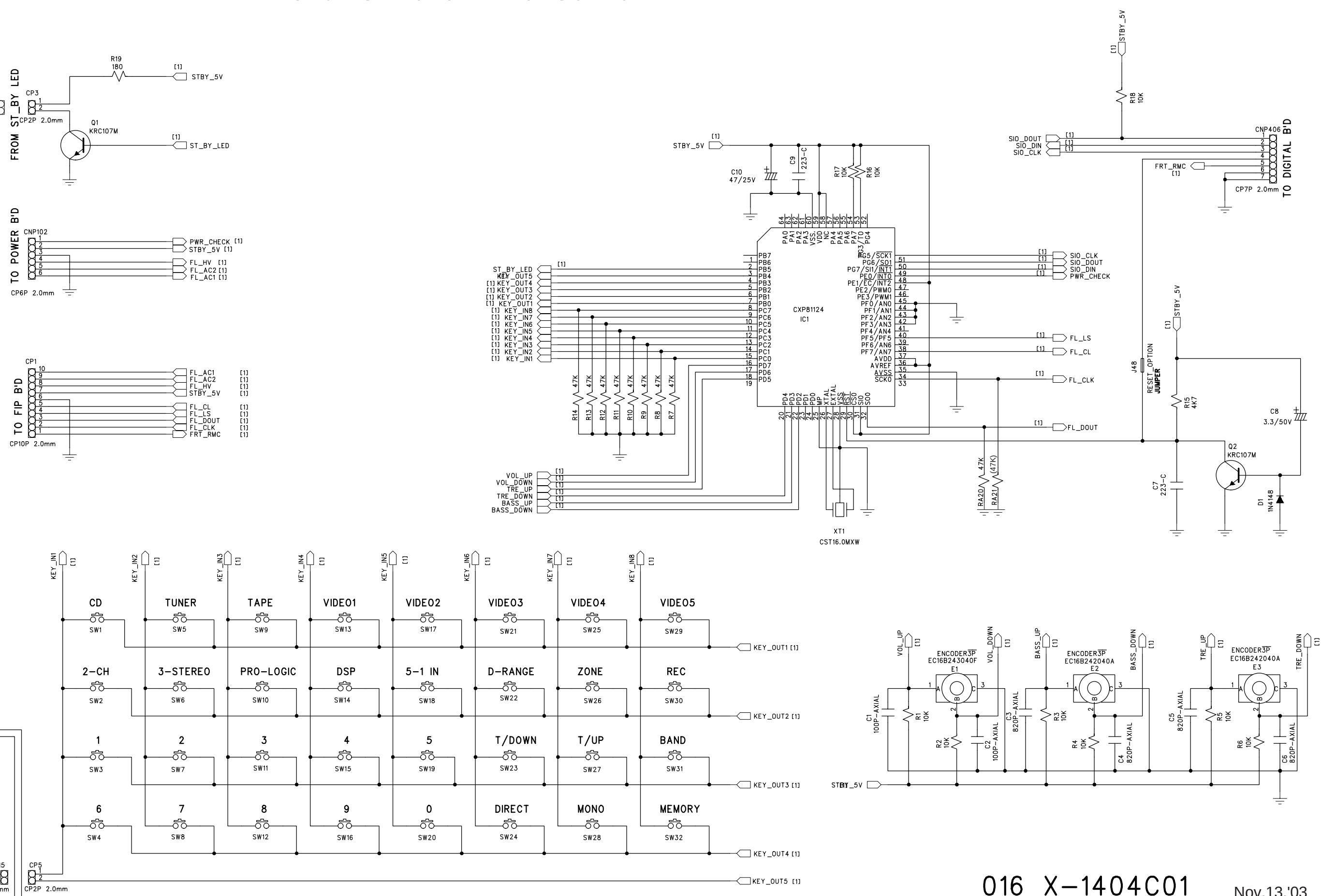


Input PCB (2/3) 016 X-1397D00



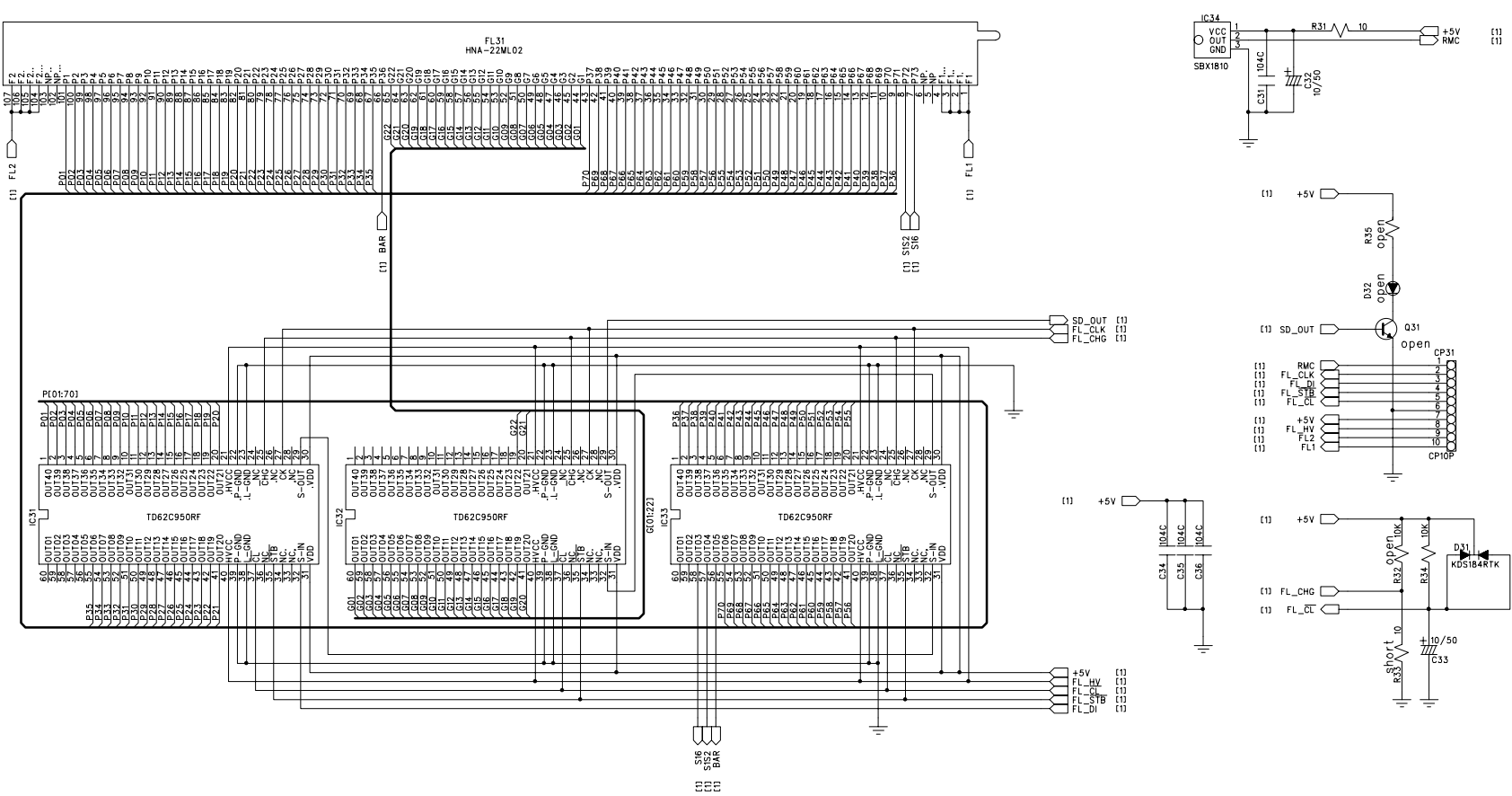


Front PCB 016 X-1404C01~02

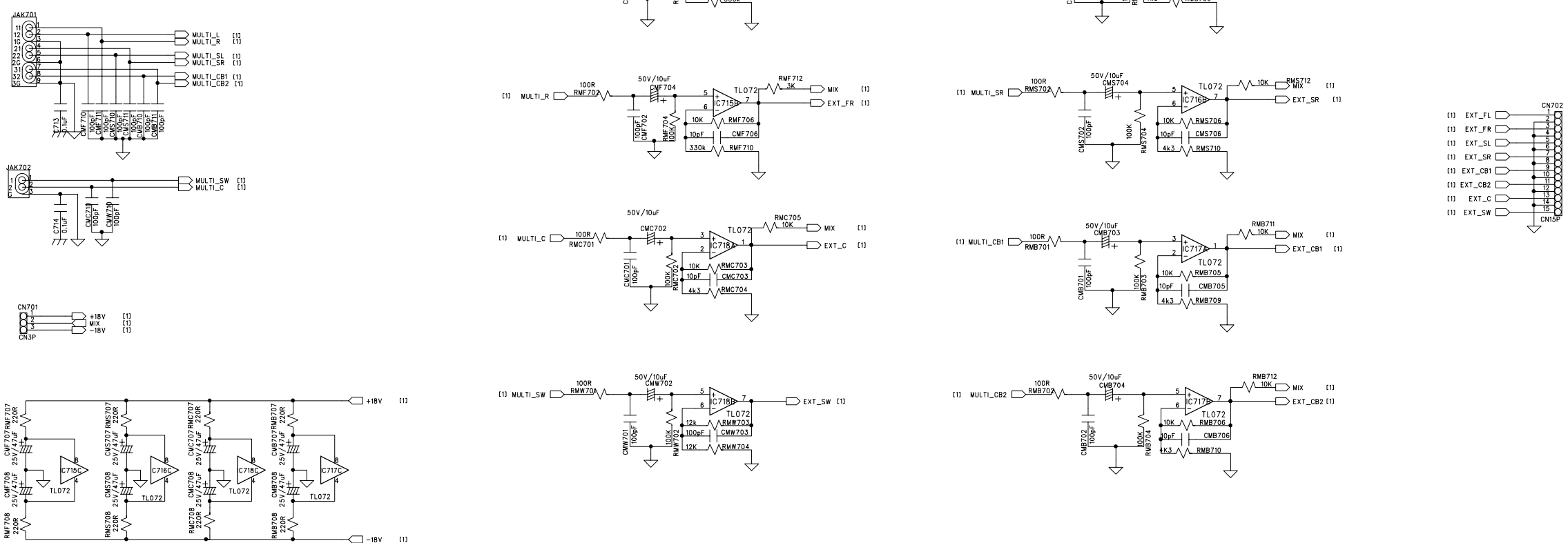


016 X-1404C01 Nov.13.'03

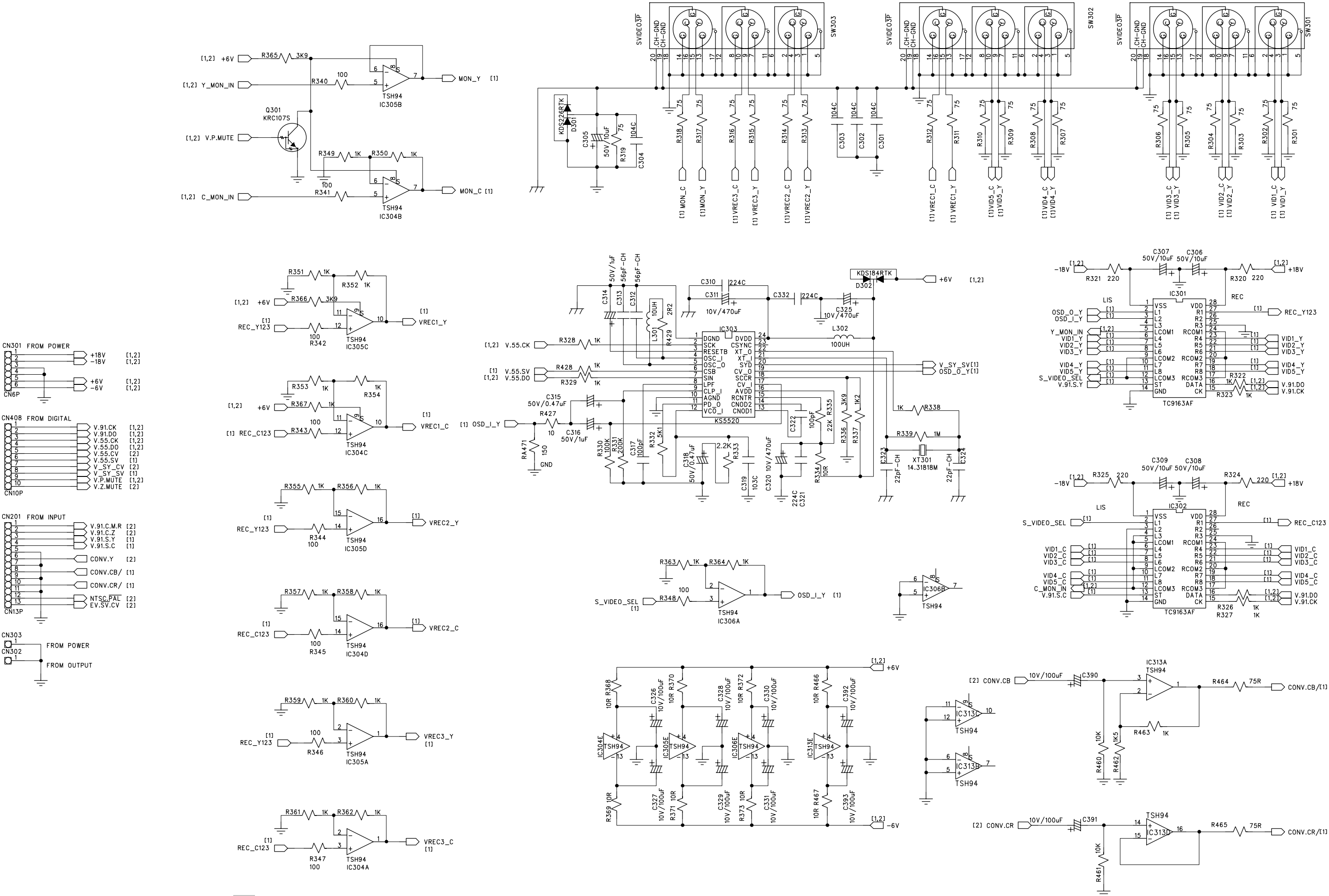
FIP PCB 016 E-1309B00



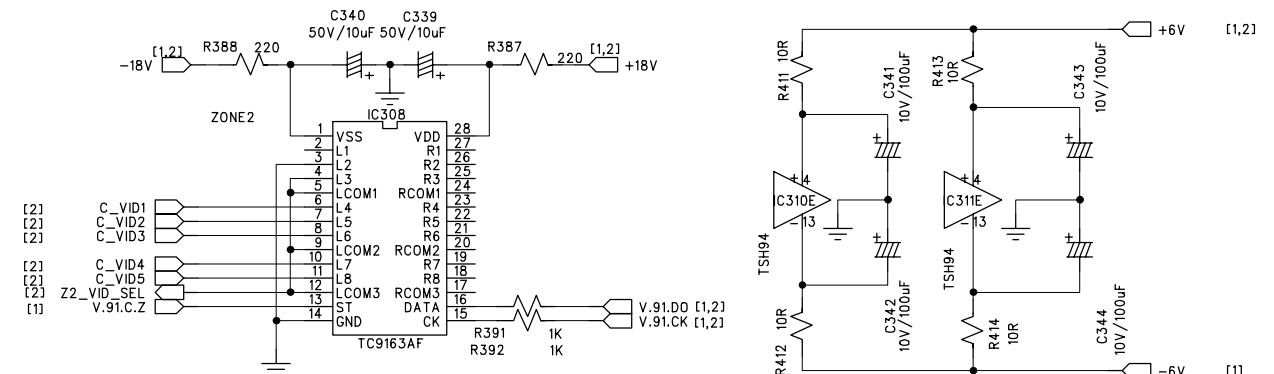
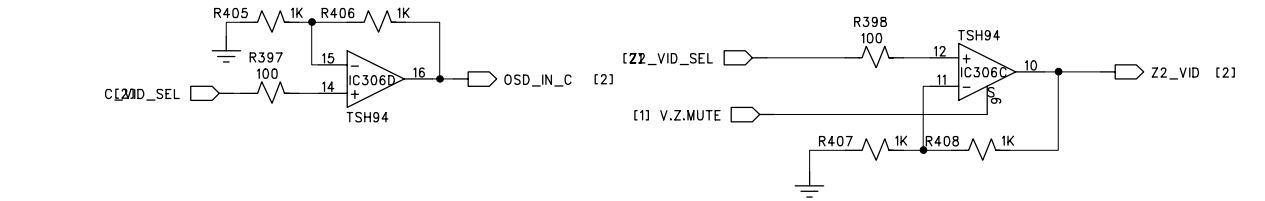
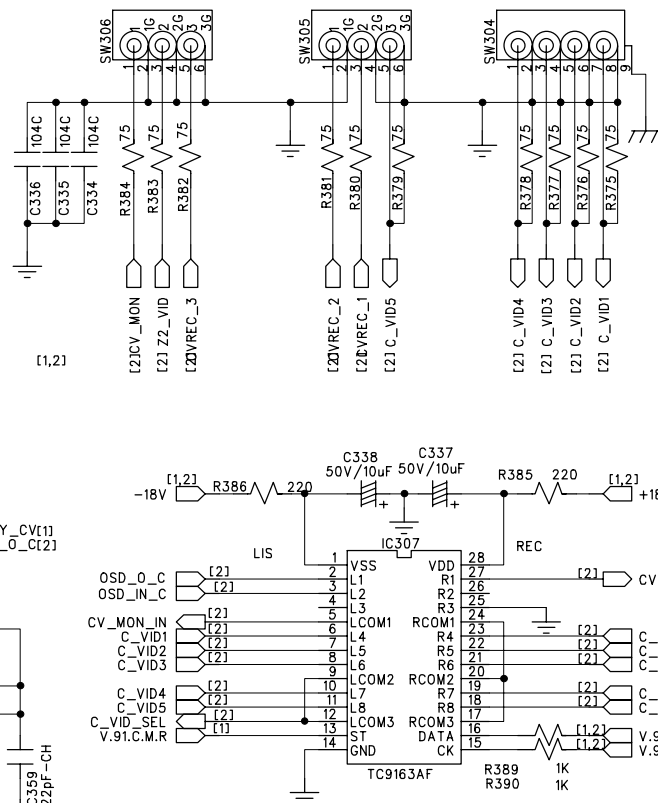
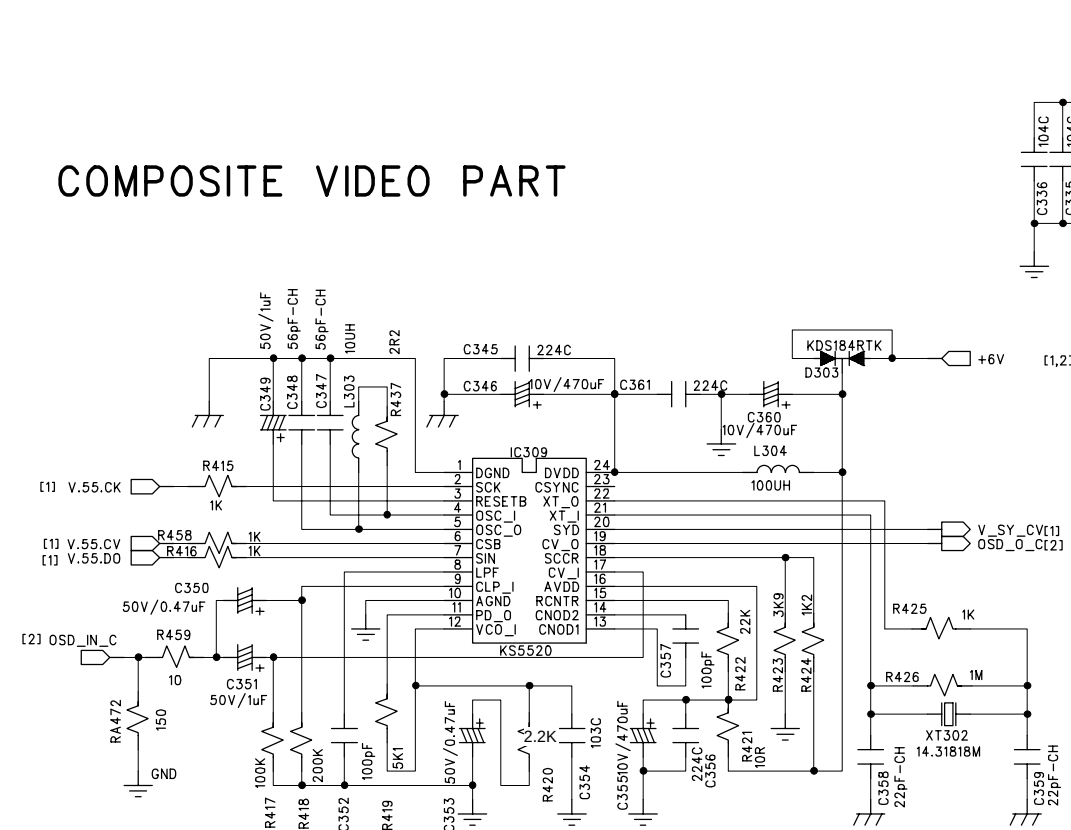
Multi-input PCB 016 E-1401BA00



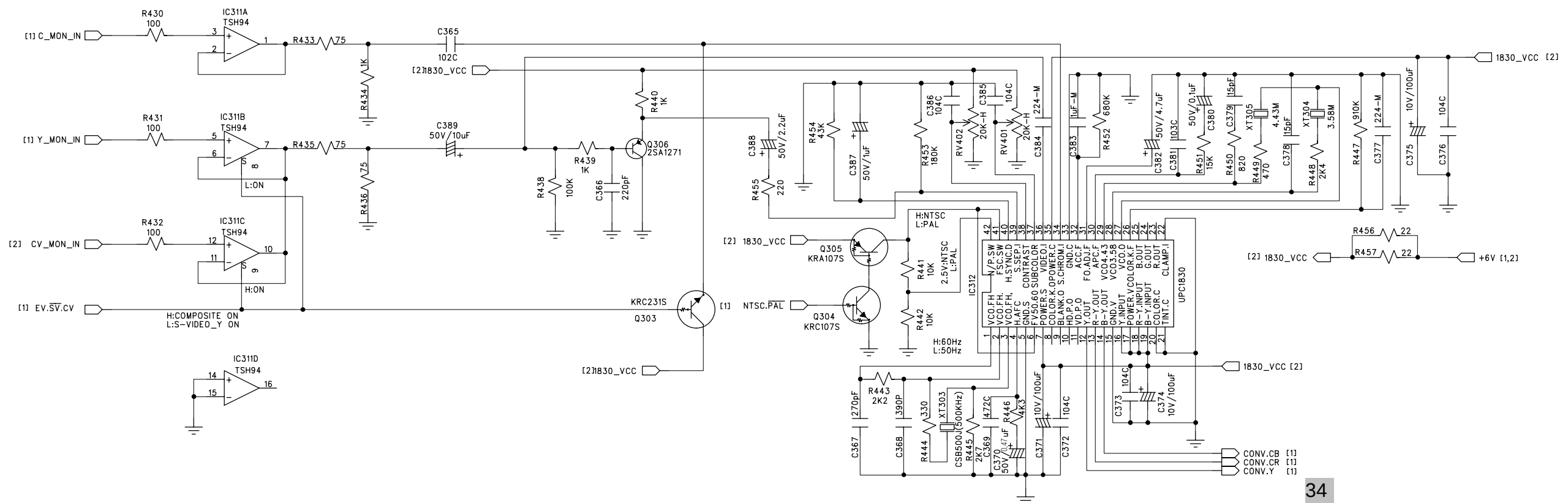
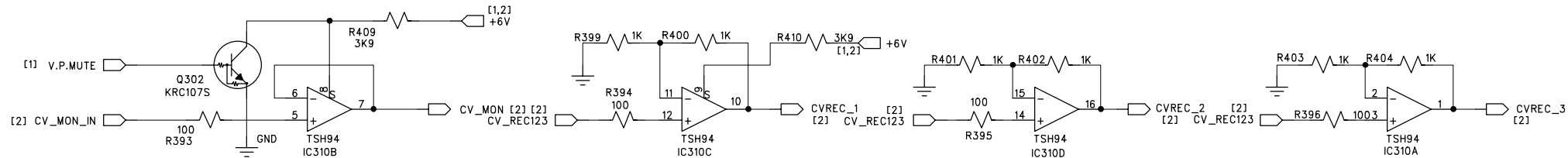
Video PCB (1/2) 016E-1398F00



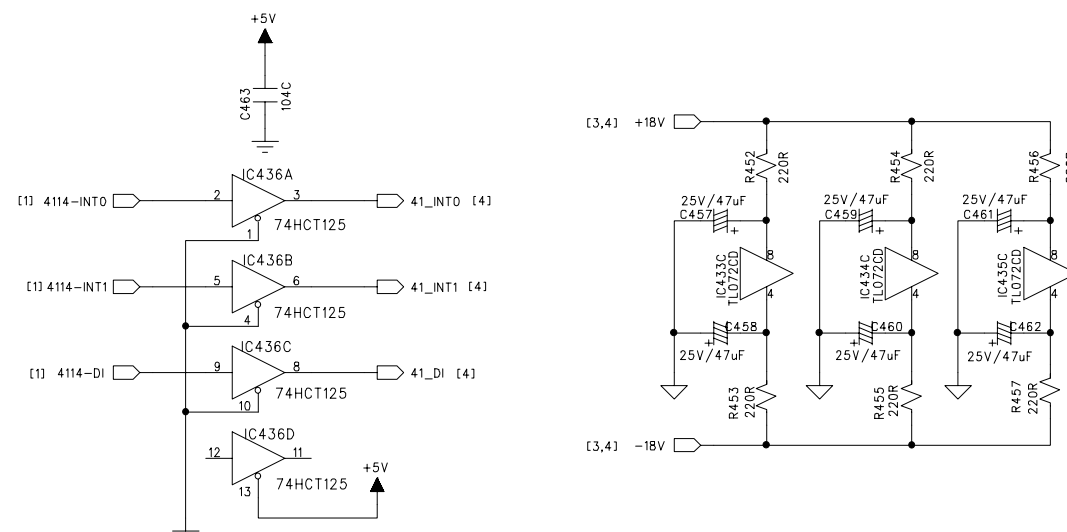
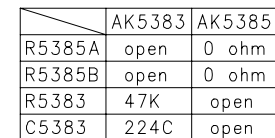
COMPOSITE VIDEO PART



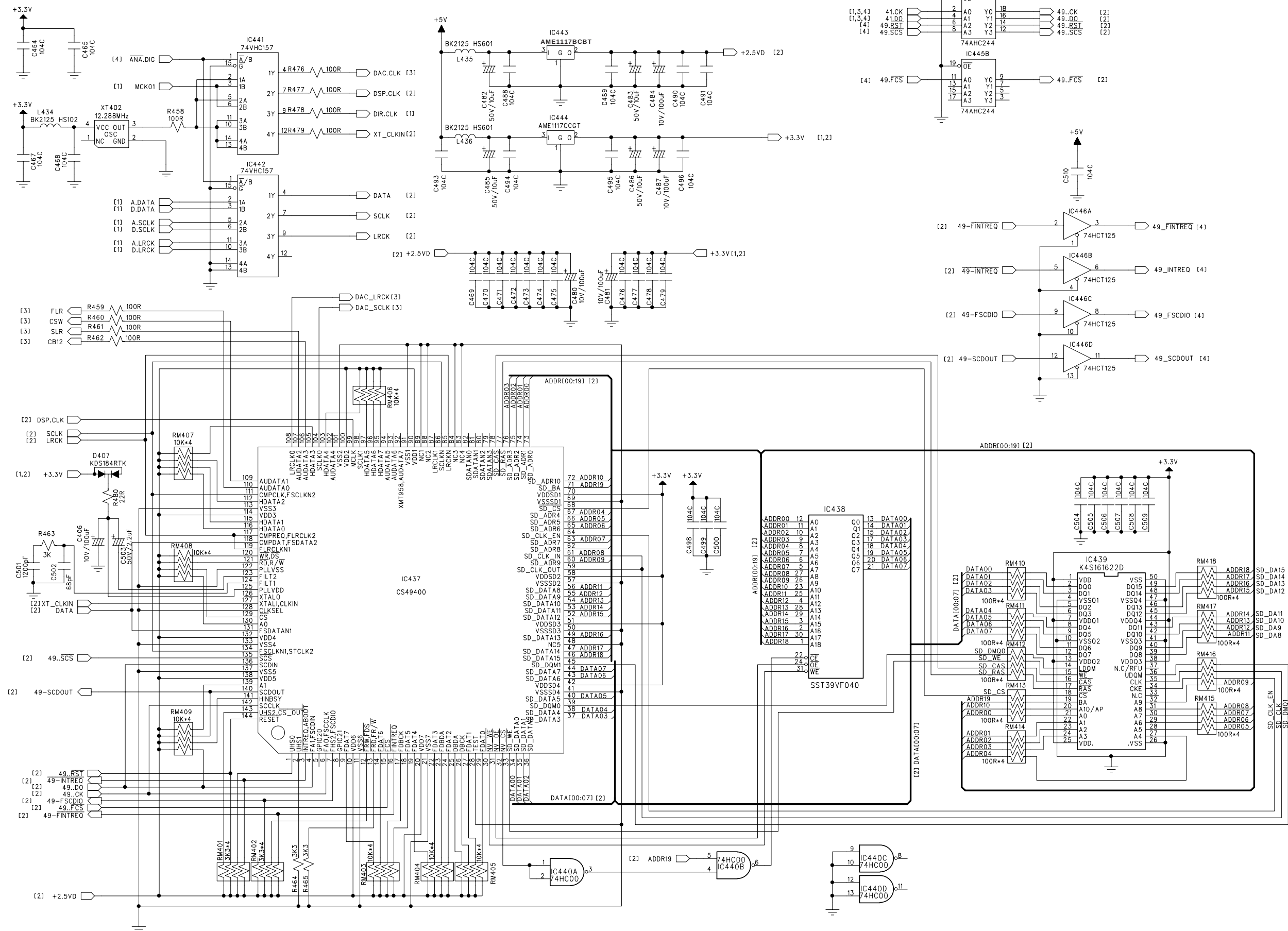
VIDEO CONVERT PARTS



DIGITAL 1/4
016 E-1399F



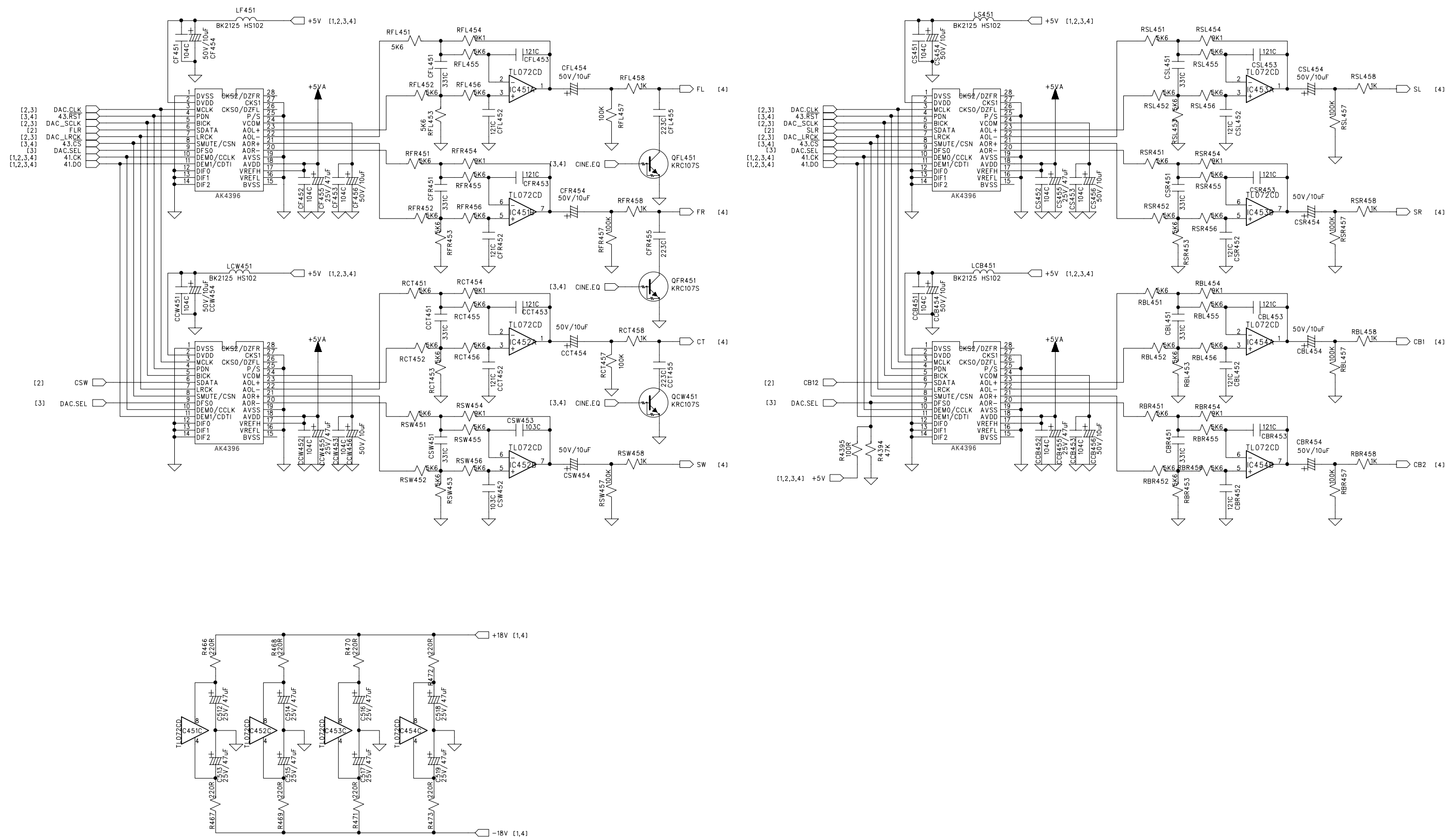
DIGITAL 2/4
016 E-1399F



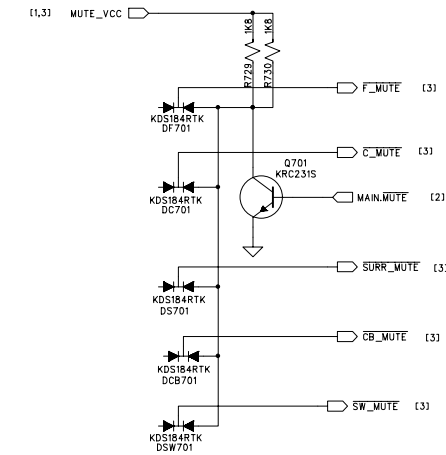
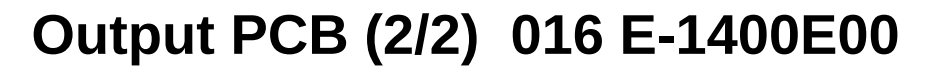
Schematic Diagram (10/16)

Digital PCB (3/4) 016 E-1399F00

DIGITAL 3/4
016 E-1399F







FROM VIDEO

CN505

1 SL_GND [1]

2 CB1_GND [1]

3 FL_GND [1]

4 CB2_GND [1]

5 CE_GND [1]

6 FR_GND [1]

7 SR_GND [1]

7P 3.96mm

TO VIDEO

CN407

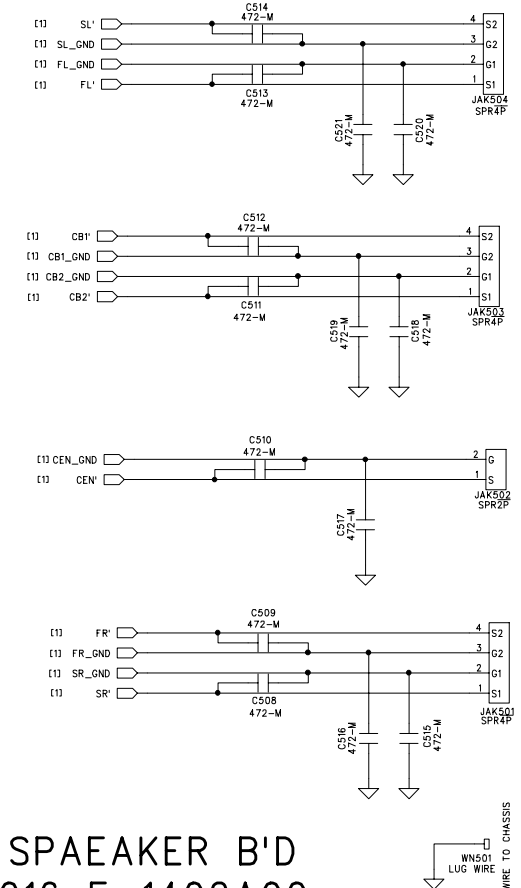
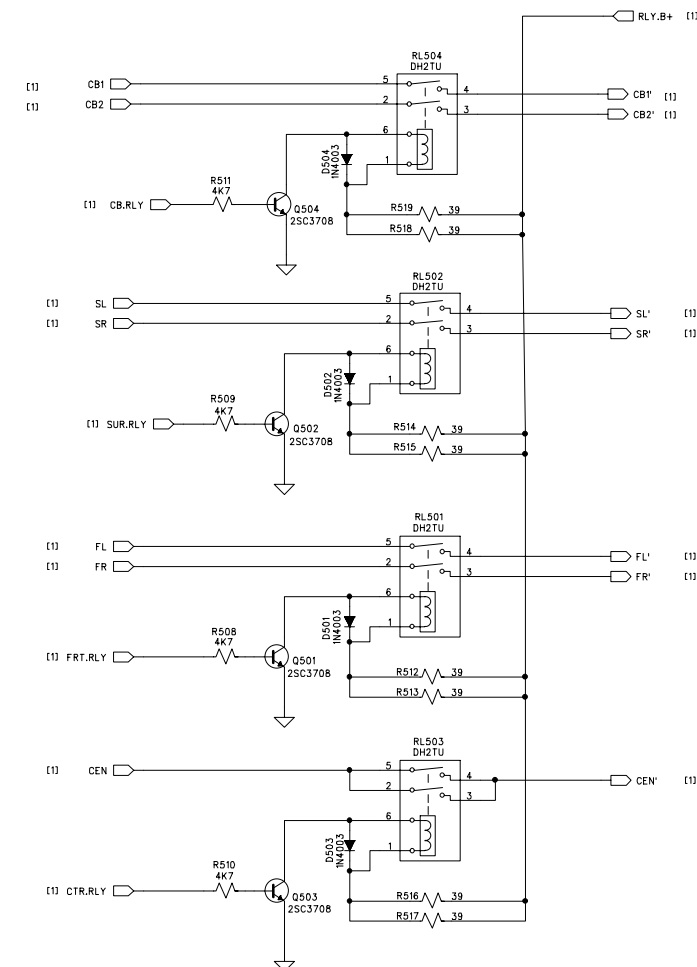
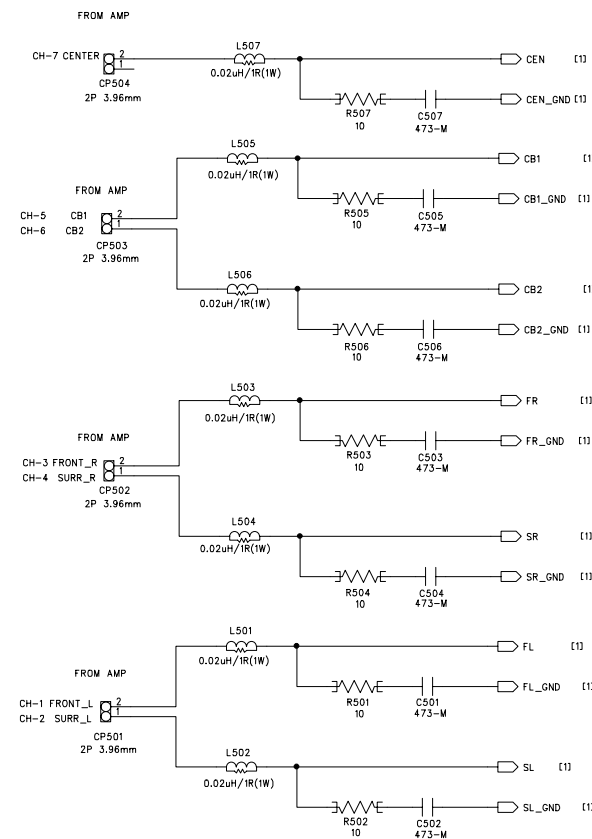
5 RLY_B+ [1]

4 CB_RLY [1]

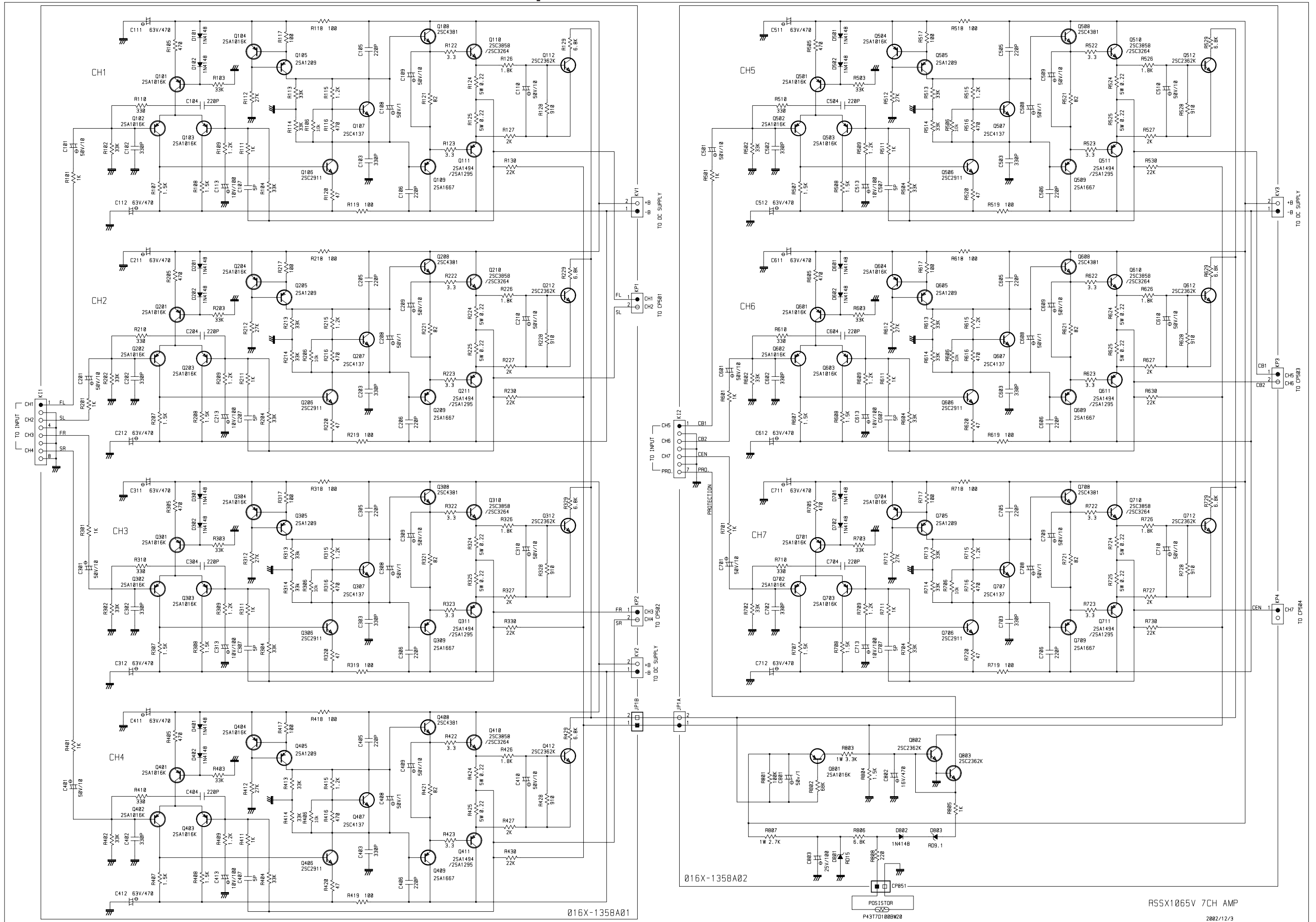
3 SUR_RLY [1]

2 FRT_RLY [1]

5P 2.0mm

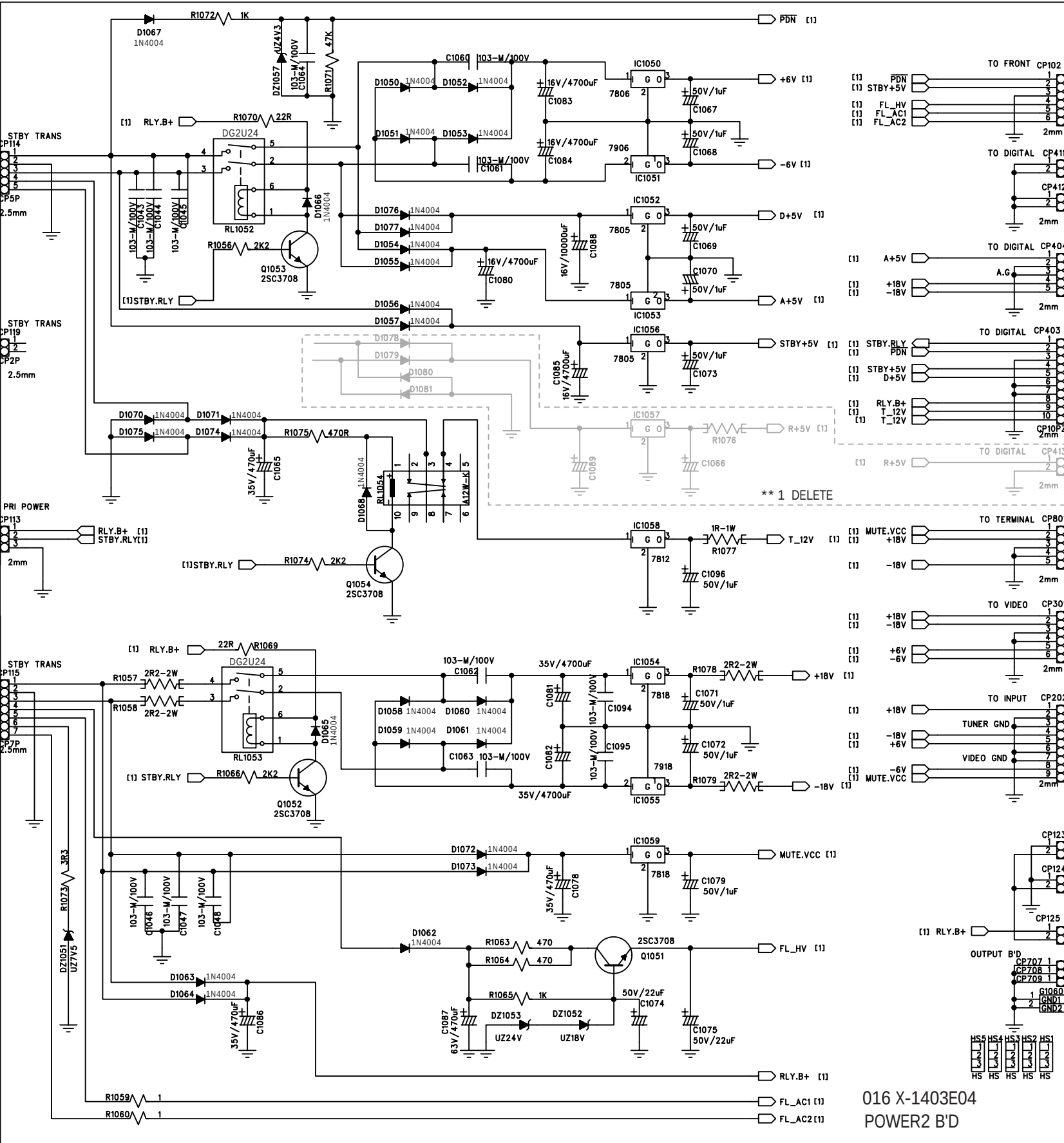
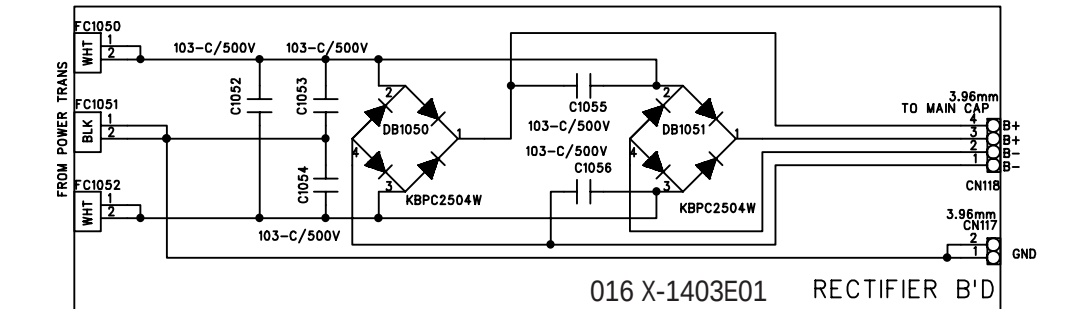
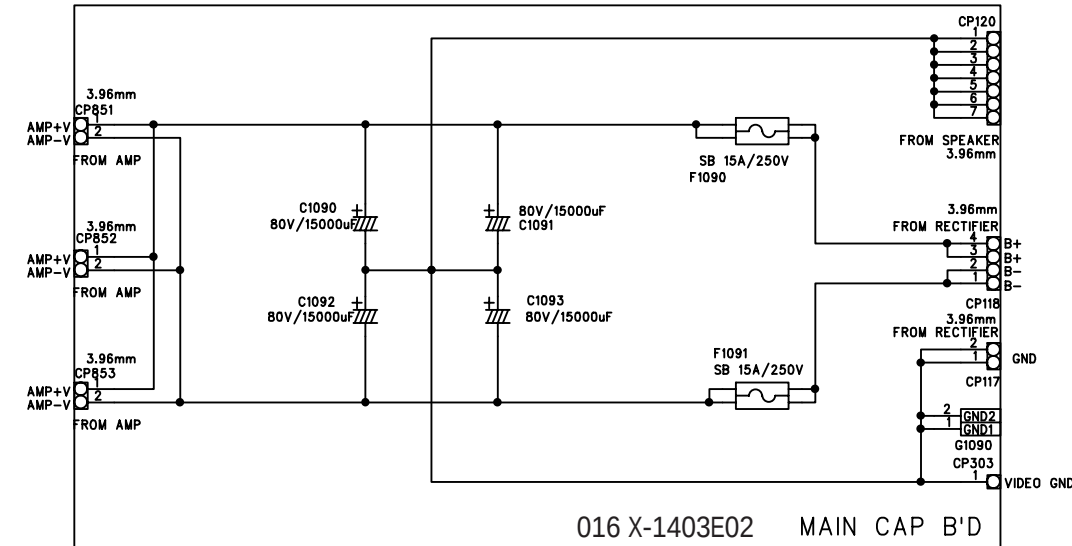
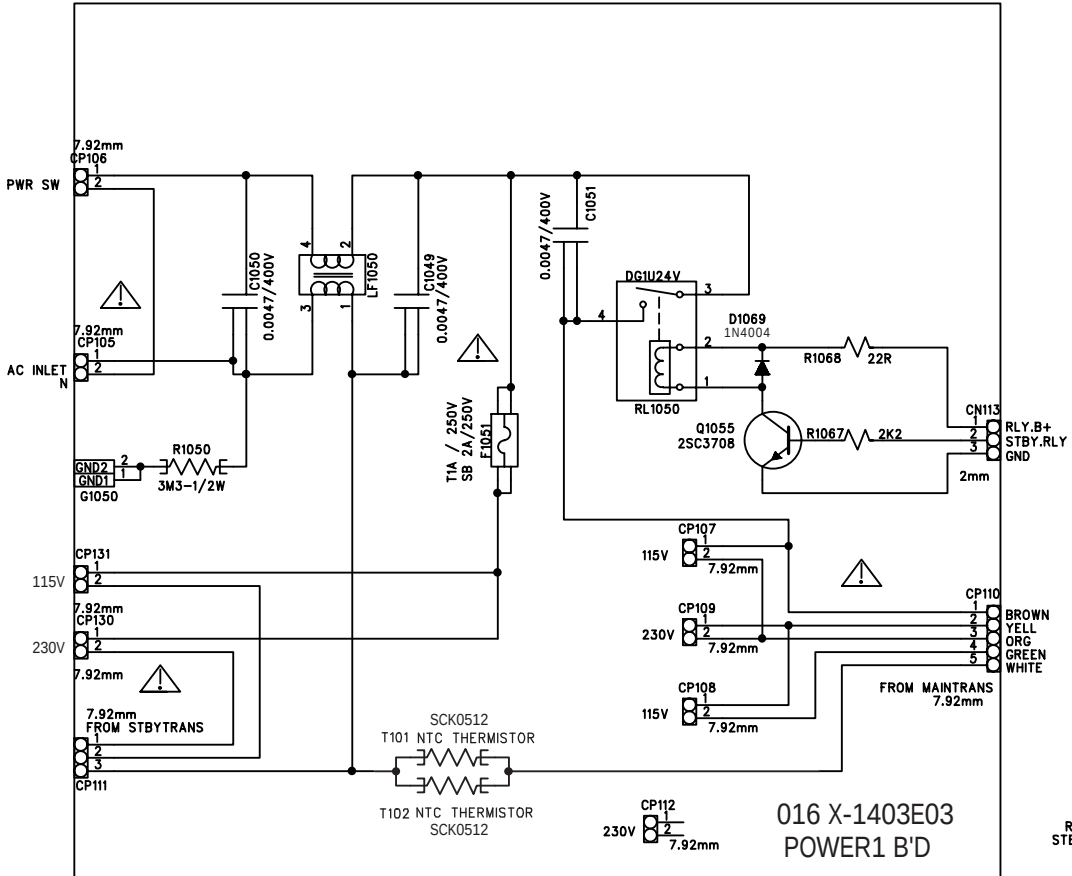


SPAEAKER B'D
016 E-1402A00



Schematic Diagram (15/16)

Power PCB 016 X-1403E01~ 04



Schematic Diagram (16/16)

Tuner Module 092 MB114MA-1-1B

