



Technical Manual

SURROUND SOUND RECEIVER RSX-1058

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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
10Hz-120kHz, ±3dB (analog bypass)
10Hz-95kHz, ±3dB (digital input)

Signal to Noise Ratio(IHF A-weighted)
95dB(analog bypass)
92dB(Dolby Digital,dts) 0dBfs

Input sensitivity /Impedance
Line Level :200mV/100K ohms

Preamp Output Level/Output Impedance
1.0V/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

Video

Input Resolutions
480i/576i,480p/576p,720p,1080i
1080p (HDMI only)

Output Resolutions
480i/576i(Composite,S-Video only),480p/576p
720p,1080i
1080p (HDMI only)

Signal to Noise Ratio
45 dB

Input Impedance
75 ohms

Output Impedance
75 ohms

Output Level
1.0 volt

HDMI Input/Output:
Version 1.1

FM Tuner

Usable Sensitivity
14.2 dBf

Signal to Noise Ratio (at 65 dBf)
70 dBf

Harmonic Distortion (at 65 dBf)
0.03%

Stereo Separation (1 kHz)
45dB

Output level
1V

Antenna Input
75 ohms unbalanced

AM Tuner

Sensitivity
500 µV/m

Signal to Noise Ratio
40 dB

Output level
500 mV

Antenna Input
Loop Antenna

General

Power Consumption
450 watts
100 watts (idle)
4.7 watts (standby)

Power Requirements (AC)
120 volts, 60 Hz (USA version)
230 volts, 50 Hz (CE version)

Weight
17.4 Kg/38.4 lb.

Dimensions (W x H x D)
432 x 162 x 442 mm
17.01"x 6.38"x 17.40"

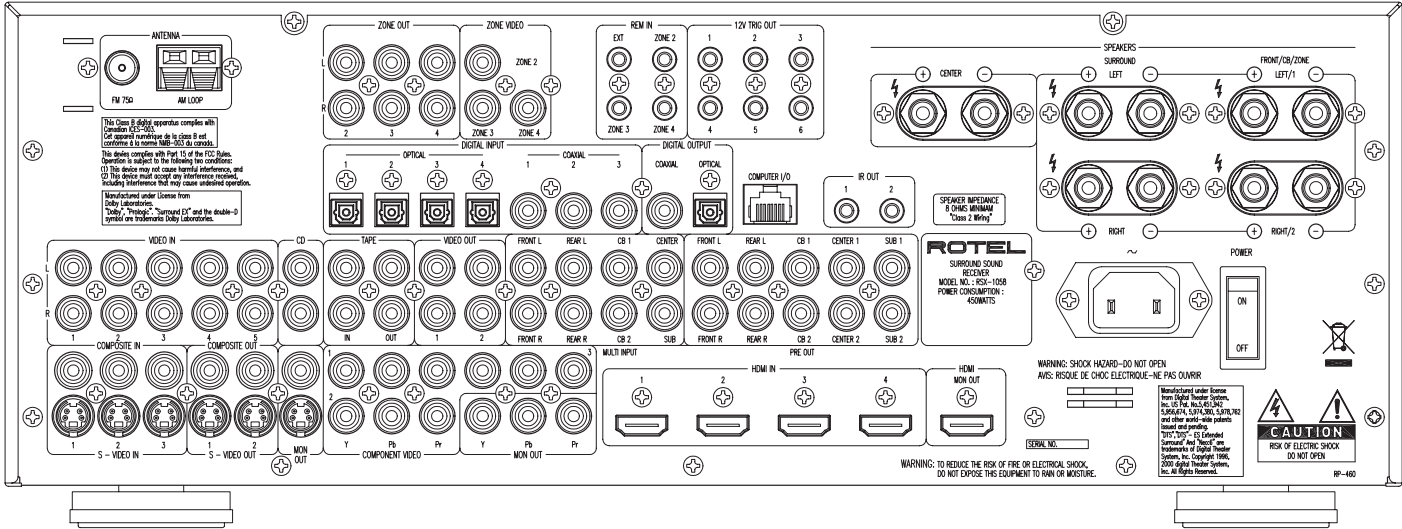
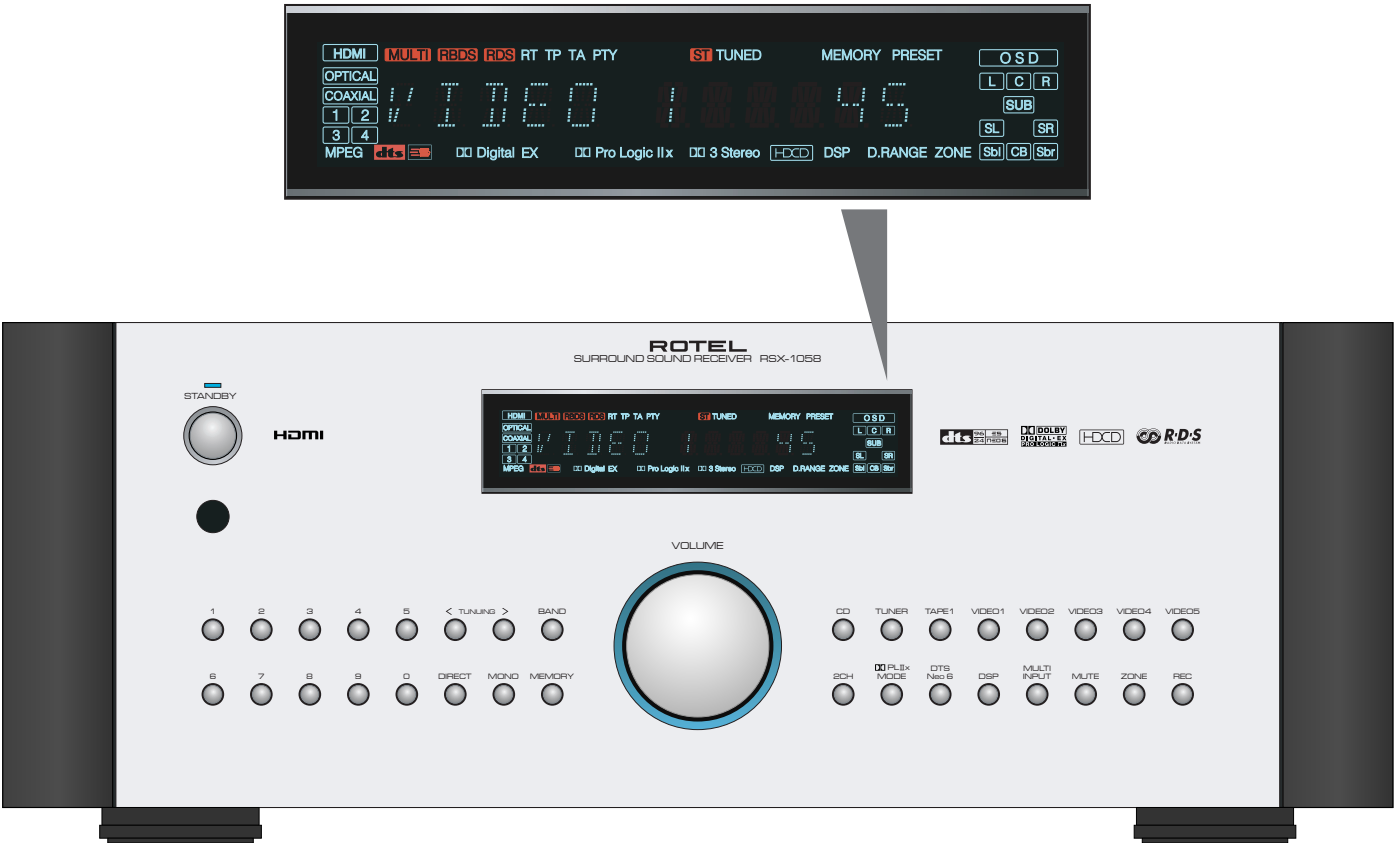
**Front Panel Height
(feet removed/for rack mount)**
150 mm / 5.91"

THE ROTEL CO., LTD.

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

Serial. NO.
Beginning

Y-404A-0706/pdf



SYMBOL	PARTS NO.	DESCRIPTION
016 X-1407C01-03 PCB ASSY		
	501 X-1407-C	PCB ASSY (SPEAKER)
C966-970	044 BQ014E0472J	M.P CAPACITOR 100V4700pF
C951-955	044 BQ014E0473J	M.P CAPACITOR 100V0.047uF
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-C	PCB ASSY (FRONT)
X101	023 CSTLS10M0G53BO	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 HNA08MM37	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
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
R109,116-119	054 TMF1002	METAL FILM RESISTOR 1/4W 10K
(R127-141)	054 TMF1203	METAL FILM RESISTOR 1/4W 120K
(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 1/4W4.7K
R105-108,110-113	054 TMF4702	METAL FILM RESISTOR 1/4W 47K
R120	054 TMF47R0	METAL FILM RESISTOR 1/4W 47
R114,115	054 TMF16-1002	METAL FILM RESISTOR 1/6W 10K
ESW101	056 C-4678A01	ROTARY ENCODER (VOLUME)
SW101-132	061 C-4679A03	TACT SWITCH 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		
	501 E-1413-C	PCB ASSY (5CH AMP)
L101,201,301,401,501	021 LF167A01	SPEAKER COIL 1.0F7T
Q702	032 KRC107M	TRANSISTOR KRC107M
Q109,209,309,409,509	033 A1360-OY	TRANSISTOR 2SA1360-OY(Q)
Q112,212,312,412,512	033 A1859-Y /033 A1930-Q	TRANSISTOR 2SA1859A-Y
Q110,210,310,410,510	033 C3423-OY /033 C5171-Q	TRANSISTOR 2SC3423-OY(Q)
Q111,211,311,411,511	033 C4883-Y	TRANSISTOR 2SC4883A-Y
Q101-105,201-205,301-305	033 KTA1268-GRBL	TRANSISTOR KTA1268-GRBL
Q401-405,501-505,701	033 KTA1268-GRBL	TRANSISTOR KTA1268-GRBL
Q106-108,206-208,306-308,406-408,506-508	033 KTC3200-GRBL	TRANSISTOR KTC3200-GRBL
D101,102,201,202,301,302	034 2058322101	DIODE 1N4148TAP 5MMPICH
D401,402,501,502	034 T1N4148-86	DIODE 1N4148TAP-50
C106,206,306,406,506	041 TUTES1A221-7TF	ELECTROLYTIC CAPACITOR 10V220uF
C107,207,307,407,507,701,702	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF

SYMBOL	PARTS NO.	DESCRIPTION
C111,112,211,212,311,312,411,412,511,512	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C108,208,308,408,508	041 TUTES1H220-7TF	ELECTROLYTIC CAPACITOR 50V22uF
C105,205,305,405,505	041 TUTES1H4R7-7TF	ELECTROLYTIC CAPACITOR 50V4.7uF
C109,110,209,210,309,310,409,410,509,510	041 TUTES1J471-7TS	ELECTROLYTIC CAPACITOR 63V470uF
C104,204,304,404,504	043 TC50V181	CERAMIC CAPACITOR 180pF
C102,202,302,402,502	043 TC50V271	CERAMIC CAPACITOR 270pF
C101,201,301,401,501	043 TC50V391	CERAMIC CAPACITOR 390pF
C103,203,303,403,503	043 TC50VCH5R6-A	CERAMIC CAPACITOR (AXIAL) 5.6pF
VR101,201,301,401,501	051 SFR001-102	SEMI-EIRED RESISTOR VM6CKPH1S-1K
R141,241,341,441,541	054 MPR5W0.27RJ-T	MPR 5W0.27RX2 WITH TERMINAL
R136,137,236,237,336,337,436,437,536,537	054 TMF1000	METAL FILM RESISTOR 1/4W 100
R140,240,340,440,540	054 TMF2200	METAL FILM RESISTOR 1/4W 220
R138,139,238,239,338,339,438,439,538,539	054 TMF3R30	METAL FILM RESISTOR 1/4W 3.3
R101,102,201,202,301,302,401,402,501,502	054 TMF16-1001	METAL FILM RESISTOR 1/6W 1K
R113,213,313,413,513	054 TMF16-1002	METAL FILM RESISTOR 1/6W 10K
R702	054 TMF16-1003	METAL FILM RESISTOR 1/6W 100K
R126,127,226,227,326,327,426,427,526,527	054 TMF16-1200	METAL FILM RESISTOR 1/6W 120
R109,110,209,210,309,310,409,410,509,510	054 TMF16-1201	METAL FILM RESISTOR 1/6W 1.2K
R112,212,312,412,512	054 TMF16-1500	METAL FILM RESISTOR 1/6W 150
R704	054 TMF16-1503	METAL FILM RESISTOR 1/6W 150K
R105,106,205,206,305,306,405,406,505,506	054 TMF16-15R0	METAL FILM RESISTOR 1/6W 15
R128,228,328,428,528	054 TMF16-1801	METAL FILM RESISTOR 1/6W 1.8K
R129,229,329,429,529	054 TMF16-2001	METAL FILM RESISTOR 1/6W 2K
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-1486B00 PCB ASSY		
	501 E-1486	PCB ASSY (AUDIO)
IC312,325	031 MM1631XJBE	IC SMD (AUDIO SWITCH)
IC304-311,316-320,322-324,326-343	031 NJM2068M	IC SMD (OPE DUAL)
IC301	031 KIA7809AF-RTF/P	IC SMD (REG. +9VDC) KIA7809AF
IC302	031 TC9162CFG	IC SMD (SWITCH ALLEY)
IC321	031 TC9163CFG	IC SMD (SWITCH ALLEY)
IC303,313-315	031 TC9482BFG	IC SMD (VOLUME)
Q309,311,313,322	032 KRA107S	TRANSISTOR CHIP KRA107S
Q310,312,314	032 KRC107S	TRANSISTOR CHIP KRC107S
Q301-308,315-321	032 KRC231S	TRANSISTOR CHIP KRC231S
C353,422	041 TUTES1C101-7TF	ELECTROLYTIC CAPACITOR 16V100uF
C331,423	041 TUTES1E220-7TF	ELECTROLYTIC CAPACITOR 25V22uF
C301-305,307,308,311,312,314,333,334,337	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C338,341,342,348,373,374,383,384,387,388	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C390,392,393,396,397,399,400,415,420,421	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C425,426,437-444,456,457,459-470,489,490	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C306,309,310,313,315,316,317,318,321,322	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C332,335,336,339,340,343,360-367,372,375	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C377,378,380-382,385,386,389,391,394,395	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C398,424,427-435,445,446,448-455,458	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C479-488,491-504,511,512,515,516,519,520	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF

SYMBOL	PARTS NO.	DESCRIPTION
C523,524,544-571	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C535	047 ECJ2VB1H333K	CERAMIC CAPACITOR CHIP 0.033uF
C622-707,716-722	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C447,509	047 ECJ2VF1H224Z	CERAMIC CAPACITOR CHIP 0.22uF
C326,330,347,352,478,525,534,536-543	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
C586-593,608-621,708-715	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
C323-325,327-329,356-359	047 ECJ2VG1H220J	CHIP CERAMIC CAPACITOR 22pF
C403-410,471-477,526-533	047 ECJ2VG1H220J	CHIP CERAMIC CAPACITOR 22pF
C354,355,436	047 ECJ2VG1H222J	CERAMIC CAPACITOR CHIP 0.0022uF
C319,320,344-346,349-351,368-371,376,379	047 ECJ2VG1H470J	CERAMIC CAPACITOR CHIP 47pF
C401,402,411-414,416-419,505-508,510	047 ECJ2VG1H470J	CERAMIC CAPACITOR CHIP 47pF
C513,514,517,518,521,522,572-585,594-607	047 ECJ2VG1H470J	CERAMIC CAPACITOR CHIP 47pF
R307-311,313,314,317,318,321,336-338,355	055 ERJ6ENF1000V	RESISTOR CHIP 100
R356,359,360,372,392,393,396,397	055 ERJ6ENF1000V	RESISTOR CHIP 100
R400,401,404,405,414-416,418,419,425,431	055 ERJ6ENF1000V	RESISTOR CHIP 100
R432,435,436,439,440,443,444,448,473,478	055 ERJ6ENF1000V	RESISTOR CHIP 100
R487-490,492,493,496,497,499,501,502,505	055 ERJ6ENF1000V	RESISTOR CHIP 100
R506,508,509,512-519,524-536,545-554,563	055 ERJ6ENF1000V	RESISTOR CHIP 100
R566-568,577,578,611,614,615,618,619,622	055 ERJ6ENF1000V	RESISTOR CHIP 100
R623,626,627,630,631,634,635,638,677,680	055 ERJ6ENF1000V	RESISTOR CHIP 100
R681,684,685,688,689,692,693,696,697	055 ERJ6ENF1000V	RESISTOR CHIP 100
R700,701,704	055 ERJ6ENF1000V	RESISTOR CHIP 100
R301-306,312,315,316,319,320,323,324,327	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R328,330-332,335,352,354,357,358,361,370	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R371,411-413,426,429,438,441,442,445-447	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R469-472,474,475,537-544,587-590,639,641	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R643,645,647,649,651,653,655-660	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R705-721,731-738,746	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R739-745	055 ERJ6ENF1002V	RESISTOR CHIP 10K
R351,353,363,364,366-369,373-376,391,394	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R395,398,399,402,403,406-410,417,420,449	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R452,476,477,479-486,491,494,495,498,500	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R503,504,507,520,521,564,565,569-576	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R603-610,612,613,616,617,620,621,624,625	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R628,629,632,633,636,637,640,642,644,646	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R648,650,652,654,661,664,665,668,669,672	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R673,676,678,679,682,683,686,687,690,691	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R694,695,698,699,702,703,722-730,747	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R377,378	055 ERJ6ENF10R0V	RESISTOR CHIP 10
R600,602	055 ERJ6ENF1202V	RESISTOR CHIP 12K
R599	055 ERJ6ENF1801V	RESISTOR CHIP 1.8K
R340,341,344,346,379,382,384,385,388,389	055 ERJ6ENF2001V	RESISTOR CHIP 2K
R322,325,326,329,461,464,465,468	055 ERJ6ENF2201V	RESISTOR CHIP 2.2K
R591,593,595,597,601,663,667,671,675	055 ERJ6ENF2702V	RESISTOR CHIP 27K
R362,365	055 ERJ6ENF3300V	RESISTOR CHIP 330
R421-424,430,433,434,437,510,522,555-562	055 ERJ6ENF3301V	RESISTOR CHIP 3.3K
R339,342,343,383,386,387,390,450,451	055 ERJ6ENF4701	RESISTOR CHIP 4.7K
R453-460,511,523,592,594,596,598,662	055 ERJ6ENF4701	RESISTOR CHIP 4.7K
R666,670,674	055 ERJ6ENF4701	RESISTOR CHIP 4.7K
R333,334,427,428	055 ERJ6ENF4703V	RESISTOR CHIP 470K
R347-350,462,463,466,467	055 ERJ6ENF5601V	RESISTOR CHIP 5.6K
R579-586	055 ERJ6ENF5602V	RESISTOR CHIP 56K
R345,380,381	055 ERJ6ENF7501V	RESISTOR CHIP 7.5K
JAK307	066 C-4784A02	4P PIN JACK (BLK)
JAK301-304,306	066 C-4792A01	6P PIN JACK (WHT.RED)
JAK305	066 C-4832A01	4P PIN JACK (W.BK)
CP402	068 B3B-PH-KS	CONNECTOR WAFER 3P

SYMBOL	PARTS NO.	DESCRIPTION
016 E-1487A00 PCB ASSY		
L401-404	501 E-1487	PCB ASSY (DIGITAL)
IC410	021 288800012	DIGITAL COIL
XT401	023 CXOSMD-003	CRYSTAL 24.576MHz
L411,416	023 HC49U-009	CRYSTAL 24.576MHz
L405,407-409,412,414,415,421	025 BK2125HS101	BEAD COIL CHIP BK2125HS101-T
L406,410,413,417-420	025 BK2125HS102	BEAD COIL CHIP BK2125HS102-T
IC413	025 BK2125HS601	BEAD COIL CHIP BK2125HS601-T
IC405	031 39SF040-X58	IC PLCC (SOFT WRITING) MAIN FLASH
IC412	031 74HC157	IC SMD (QUAD MPX) 74VHC157
IC406	031 74HC244	IC SMD (OCTAL BUFFER) 74VHC244
IC403	031 74HCT125	IC SMD (QUAD BUFFER) 74HCT125D
IC418	031 AK4114VQ	IC SMD (D/A TRANSCEIVER) AK4114VQP
IC409	031 AME1117CCGT	IC SMD (REGULATOR) ABF AME1117CCGTZ
IC420-423	031 AT24C16A10PU-2.7	IC DIP (EEPROM)
IC411	031 DSD1791DB	IC SMD (DAC)
IC401	031 ES29LV160E-X58	IC SMD (SOFT WRITING) DSP ROM
IC415	031 HIN232CB	IC SMD (TRANSMITTER RECEIVER) HIN232CBZ
IC404	031 IS62C256	IC SMD (SRAM) IS62C256-45UL
IC425,426,428-431,433	031 K4S641632K-UC75	IC SMD (MEMORY)
IC419	031 NJM2068M	IC SMD (OPE DUAL)
IC402,407	031 PCM1804DBG4	IC SMD (ADC)
IC408	031 SN74LVC1G125DBV	IC SMD (BUFFER)
IC416	031 SN74LVC1G3157DB	IC SMD (ANALOG SWITCH)
Q401	031 TMS320DA610	IC SMD (DSP)
D401	032 KRC107S	TRANSISTOR CHIP KRC107S
C478,532,535,553,555,557,559,561	037 KDS184RTK	DIODE CHIP KDS184RTK
C494	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C439,443,513,514,517,565,568	041 TUTES1A471-7TF	ELECTROLYTIC CAPACITOR 10V470uF
C600,603,606,609,613,615-627,629,634	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C411,421-423,554,556,558,560	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C579,580	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C402,417,428,430,518,520,522,524	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V0.1uF
C547,548,612,614,628,630	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C431	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C438	041 TUTES1H3R3-7TF	ELECTROLYTIC CAPACITOR 50V3.3uF
C419	041 TUTES1HR22-7TF	ELECTROLYTIC CAPACITOR 50V0.22uF
C571-578	041 TUTES1HR47-7TF	ELECTROLYTIC CAPACITOR 50V0.47uF
C566,567,569,570	047 ECJ1VB1H182K	CERAMIC CAPACITOR CHIP 1800pF
C533,534	047 ECJ1VB1H222K	CERAMIC CAPACITOR CHIP 2200pF
C408,410,414,416,424,426,526	047 ECJ1VB1H223K	CERAMIC CAPACITOR CHIP 0.022uF
C549-552	047 ECJ1VC1H100D	CERAMIC CAPACITOR CHIP 10pF
C444,445	047 ECJ1VC1H101J	CERAMIC CAPACITOR CHIP 100pF
C581-588,592-599	047 ECJ1VC1H270J	CERAMIC CAPACITOR CHIP 27pF
C401,403-407,409,412,413,415,418,420,425	047 ECJ1VC1H561J	CERAMIC CAPACITOR CHIP 560pF
C427,429,432-437,440-442,446-477,479-493	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C495-512,515,516,519,521,523,525,527-531	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C536-546,562-564,589-591,601,602,604,605	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C607,608,610,611,631-633,635	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
RM410,411	055 CN43-101	NETWORK RESISTOR CHIP 100
RM401-409	055 CN43-220	NETWORK RESISTOR CHIP 22
R408,411,416,417,421-425,431-433	055 ERJ3EKF1000V	RESISTOR CHIP 100
R436-439,451,477,493,494	055 ERJ3EKF1000V	RESISTOR CHIP 100
R560-562,565,568,569,571-574,593,594	055 ERJ3EKF1000V	RESISTOR CHIP 100
R576,579,580,583,584,587,588,591	055 ERJ3EKF1001V	RESISTOR CHIP 1K
R413,418,420,426-428,434,435,445,446	055 ERJ3EKF1002V	RESISTOR CHIP 10K

SYMBOL	PARTS NO.	DESCRIPTION
R457,459,461,472,503,504,532-534	055 ERJ3EKF1002V	RESISTOR CHIP 10K
R577,578,581,582,585,586,589,590	055 ERJ3EKF1003V	RESISTOR CHIP 100K
R442	055 ERJ3EKF1004V	RESISTOR CHIP 1M
R401,429,430,443,444,460,492	055 ERJ3EKF10R0V	RESISTOR CHIP 10R
R531,535,570,575,596,599,600	055 ERJ3EKF10R0V	RESISTOR CHIP 10R
R495,498,499,502	055 ERJ3EKF1501V	RESISTOR CHIP 1.5K
R520,523	055 ERJ3EKF1502V	RESISTOR CHIP 15K
R440,441,447,448,453,456,464,466,468-470	055 ERJ3EKF1801V	RESISTOR CHIP 1.8K
R506-509,512-515,518,519,521,522,526-529	055 ERJ3EKF1801V	RESISTOR CHIP 1.8K
R415	055 ERJ3EKF1802V	RESISTOR CHIP 18K
R473-476,480-491	055 ERJ3EKF22R1V	RESISTOR CHIP 22.1
R406,407,409,410	055 ERJ3EKF2700V	RESISTOR CHIP 270
R505,510,511,516,517,524,525,530,538,539	055 ERJ3EKF3301V	RESISTOR CHIP 3.3K
R544,545,550,551,556,557,563,564,566,567	055 ERJ3EKF3301V	RESISTOR CHIP 3.3K
R454,455,465,467,471	055 ERJ3EKF3901V	RESISTOR CHIP 3.9K
R405,450	055 ERJ3EKF4700V	RESISTOR CHIP 470
R419,592,595,597,598	055 ERJ3EKF4701V	RESISTOR CHIP 4.7K
R496,497,500,501	055 ERJ3EKF47R0V	RESISTOR CHIP 47
R536,537,540-543,546-549,552-555,558,559	055 ERJ3EKF6800V	RESISTOR CHIP 680
R402-404,449,452,462,479	055 ERJ3EKF75R0V	RESISTOR CHIP 75
R478	055 ERJ3RQF2R2V	RESISTOR CHIP 2.2R
R414	055 ERJ3RQF4R7V	RESISTOR CHIP 4.7
JAK401,402	065 YKB21-5103A	3.5Φ JACK (ST)
SW401,402	066 C-4859A01	2P PIN JACK (BLK)
JAK403	066 SY010-8P/K	RJ45 TERMINAL (8P)
IC424,427,432,434	066 TORX142L	OPTICAL RECEIVER TORX142L-F
IC414	066 TOTX142L	OPTICAL TRANSMITTER TOTX142L-F
CP501	068 B11B-PH-KS	CONNECTOR WAFER 11P
CP303	068 B12B-PH-KS	CONNECTOR WAFER 12P
CP606	068 B14B-PH-KS	CONNECTOR WAFER 14P
CP304	068 B15B-PH-KS	CONNECTOR WAFER 15P
CP607	068 B6B-PH-KS	CONNECTOR WAFER 6P
CP406,603	068 B7B-PH-KS	CONNECTOR WAFER 7P
016 E-1488D00 PCB ASSY		
	501 E-1488	PCB ASSY (HDMI SWITCH)
L601-616	021 ACM2012D	EMC FILTER COIL ACM2012D-900-2P
L617-620	021 ACM2012H	EMC FILTER COIL ACM2012H-900-2P
IC631	023 CXOSMD-004	CRYSTAL SMD 27.000MHz
XT605	023 HC49USMD-013	CRYSTAL SMD 13.500MHz
XT601	023 HC49USMD-014	CRYSTAL SMD 28.322MHz
XT604	023 HC49USMD-015	CRYSTAL SMD 5.000MHz
L652,655-657	025 BK2125HS102	BEAD COIL CHIP BK2125HS102-T
L623,624,626,628,640-642,645-648	025 BK2125HS102	BEAD COIL CHIP BK2125HS102-T
L653,654,661-665	025 BK2125HS601	BEAD COIL CHIP BK2125HS601-T
L621,622,625,627,629,633-639,643,644	025 BK2125HS601	BEAD COIL CHIP BK2125HS601-T
L649-651,666	025 BK2125HS601	BEAD COIL CHIP BK2125HS601-T
L630-632	025 CM2012F100K	INDUCTOR CHIP 10uH
ZD601	031 AD1580BRTZ	IC SMD (VOLTAGE REFERENCE)
IC629	031 ADV7322KSTZ	IC SMD (VIDEO ENCODER)
IC623	031 ADV7401BSTZ-110	IC SMD (VIDEO DECODER)
IC610,617	031 AME1117ACGT	IC SMD (REGULATOR) ABE AME1117ACGTZ
IC640	031 AME1117BCGT	IC SMD (REGULATOR) AKE AME1117BCGTZ
IC621,624,638	031 AME1117CCGT	IC SMD (REGULATOR) ABF AME1117CCGTZ
IC625,641	031 AME1117ECGT	IC SMD (REGULATOR) AXH AME1117ECGTZ
IC611	031 AME8801SEEV	IC SMD (REGULATOR) AME8801SEEVZ
IC602,604,606,608,642	031 BR24L08F-W	IC SMD (EEPROM)
IC628	031 FLI2300-LF-CF	IC SMD (CONVERTER)

SYMBOL	PARTS NO.	DESCRIPTION
IC620	031 K4S643232H-UC60	IC SMD (SDRAM)
IC615	031 NC7SZ08M5-NL	IC SMD (AND GATE)
IC632-634,637	031 NC7SZ125M5-NL	IC SMD (TRISTATE BUFFER)
IC614	031 NJW1320FP1	IC SMD (VIDEO SWITCH)
IC644	031 PI6CV304LE	IC SMD (CLOCK BUFFER)
IC616	031 SIL9030CTU-7	IC SMD (TRANSMITTER)
IC622	031 SIL9031CTU-7	IC SMD (RECEIVER)
IC635,643	031 SN74ALVC244PWR	IC SMD (BUFFEDRIVER)
IC630	031 SN74ALVCH162827GR	IC SMD (BUFFEDRIVER)
IC627	031 SN74CB3Q3305	IC SMD (BUS SWITCH) SN74CB3Q3305PER
IC636	031 SN74LVC257APWR	IC SMD (MULTIPLEXER)
IC613,618	031 THS7353PW	IC SMD (VIDEO BUFFER)
IC612	031 TMDS341	IC SMD (SWITCH)
IC601,603,605,607	031 TS5A23157DGSR	IC SMD (ANALOG SWITCH)
IC639	031 UPD70F03701GB-X58	IC SMD (SOFT WRITING) Scaler CPU and Flash
Q601-604,607	032 2N7002	FET 2N7002
Q613-615,617,621-624	032 KRC107S	TRANSISTOR CHIP KRC107S
Q608-610,625	032 KRC107S	TRANSISTOR CHIP KRC107S
Q616,618-620	032 KTA1504S	TRANSISTOR CHIP KTA1504S
Q611,612	032 NDC7002N	TRANSISTORANSISTOR CHIP
Q626-630	032 UPA672T	TRANSISTOR CHIP UPA672T
CV601-610	034 AVRL101	VARISTOR DIODE
ZD602,603,608-611	034 KDZ6.2V	ZENER DIODE 6.2V
D605-614	034 RCLAMP0514M	DIODE RCLAMP0514M.TBT
D616	034 T1N4004-TB	DIODE 1N4004-F
D601-604,621	037 KDS184RTK	DIODE CHIP KDS184RTK
ZD604-607	037 KDS226RTK	DIODE CHIP KDS226RTK
D615	037 KDS226RTK	DIODE CHIP KDS226RTK
C635,643,673,686,721,736,741	047 ECFS1A221M	ELECTROLYTIC CAPACITOR SMD 10V220uF
C617-619,735,737	047 ECFS1A471M	ELECTROLYTIC CAPACITOR SMD 10V470uF
C608-616,622,626,628,630,632-634,637	047 ECFS1C100M	ELECTROLYTIC CAPACITOR SMD 16V10uF
C641,646-648,652-654,664,671,683,691	047 ECFS1C100M	ELECTROLYTIC CAPACITOR SMD 16V10uF
C705,716,717,719,720	047 ECFS1C100M	ELECTROLYTIC CAPACITOR SMD 16V10uF
C623,667,672,678,680,687,690	047 ECFS1C101M	ELECTROLYTIC CAPACITOR SMD 16V100uF
C715,722,728,730,743,749	047 ECFS1C101M	ELECTROLYTIC CAPACITOR SMD 16V100uF
C621,624,642,644,645,665,676,677,694	047 ECFS1C470M	ELECTROLYTIC CAPACITOR SMD 16V47uF
C701-703,718	047 ECFS1C470M	ELECTROLYTIC CAPACITOR SMD 16V47uF
C620,625,627,629	047 ECFS1E470M	ELECTROLYTIC CAPACITOR SMD 25V47uF
C711,724,943,944,955	047 ECFS1E470M	ELECTROLYTIC CAPACITOR SMD 25V47uF
C631	047 ECFS1H010M	ELECTROLYTIC CAPACITOR SMD 1uF
C750,791,810,821,884,885,895,898,899	047 ECJ1VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
C904,905,908,909,911,912,916,922-925	047 ECJ1VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
C929,930,936-940,942,948-950	047 ECJ1VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
C606,607,675,679,689,692,695,696,699	047 ECJ1VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
C700,704,708,709,723,739,748	047 ECJ1VB1H103K	CERAMIC CAPACITOR CHIP 0.01uF
C682	047 ECJ1VB1H392K	CERAMIC CAPACITOR CHIP 3900pF
C809	047 ECJ1VB1H822K	CERAMIC CAPACITOR CHIP 8200pF
C808	047 ECJ1VB1H823K	CERAMIC CAPACITOR CHIP 0.082uF
C945-947	047 ECJ1VC1H020C	CERAMIC CAPACITOR CHIP 2pF
C640	047 ECJ1VC1H050C	CERAMIC CAPACITOR CHIP 5pF
C830,831,840,933-935	047 ECJ1VC1H100D	CERAMIC CAPACITOR CHIP 10pF
C807,822,827,828,837,838,845,846	047 ECJ1VC1H180J	CERAMIC CAPACITOR CHIP 18pF
C712,713,755,756,841-843	047 ECJ1VC1H220J	CERAMIC CAPACITOR CHIP 22pF
C753,754	047 ECJ1VC1H330J	CERAMIC CAPACITOR CHIP 33pF
C681	047 ECJ1VC1H821J	CERAMIC CAPACITOR CHIP 820pF
C650,656-660,824,880,881	047 ECJ1VF1C105Z	CERAMIC CAPACITOR CHIP 16V1uF
C751,752,757-783,785-790,792,793	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF

SYMBOL	PARTS NO.	DESCRIPTION
C795-805,811-820,823,826,829,833-836	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C839,844,847-879,882,883,887-892,897	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C900-903,910,913-915,917-921,926-928	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C601-605,636,639,649,651,655,661-663	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C666,668-670,684,685,693,697,698	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C706,707,710,714,725-727,729,731-734	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C738,740,742,744-747,932,941	047 ECJ1VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C674,886,806,825,832,906,931	047 ECJ1VG1H102J	CERAMIC CAPACITOR CHIP 1000pF
R713,727	054 1WS2.2JF	MOF RESISTOR 1W 2.2
R623,624,640,647,652,655-658,664,666	055 CN43-220	NETWORK RESISTOR CHIP 22
R668,670,679,682,686-690,706,707	055 CN43-220	NETWORK RESISTOR CHIP 22
R748-751,756,780,815,820,830	055 ERJ3EKF1000V	RESISTOR CHIP 100
R626,628,631,680,694,703,704,716,717	055 ERJ3EKF1000V	RESISTOR CHIP 100
R720-725,732,734,735,737,739,741,743,745	055 ERJ3EKF1000V	RESISTOR CHIP 100
R757,777,821,828,918-921	055 ERJ3EKF1001V	RESISTOR CHIP 1K
R606-608,619,683,685,691-693,695,698	055 ERJ3EKF1002V	RESISTOR CHIP 10K
R700,701,810,827,834-837,852,864,865	055 ERJ3EKF1002V	RESISTOR CHIP 10K
R868,871,880,904,917,925	055 ERJ3EKF1002V	RESISTOR CHIP 10K
R784	055 ERJ3EKF1004V	RESISTOR CHIP 1M
R601-605,764	055 ERJ3EKF10R0V	RESISTOR CHIP 10
R822,909	055 ERJ3EKF1200V	RESISTOR CHIP 120
R798-800,877-879,881	055 ERJ3EKF1500V	RESISTOR CHIP 150
R824,831-833,842,862	055 ERJ3EKF1501V	RESISTOR CHIP 1.5K
R781	055 ERJ3EKF1691V	RESISTOR CHIP 1.69K
R761	055 ERJ3EKF1820V	RESISTOR CHIP 182
R786	055 ERJ3EKF2000V	RESISTOR CHIP 200
R845,872,874,875,907,912	055 ERJ3EKF2001V	RESISTOR CHIP 2K
R913-916	055 ERJ3EKF2002V	RESISTOR CHIP 20K
R891-893	055 ERJ3EKF2202V	RESISTOR CHIP 22K
R767-769,771,774,776,779,927	055 ERJ3EKF22R1V	RESISTOR CHIP 22.1
R620,625,630,634,641,650,651,653,654	055 ERJ3EKF22R1V	RESISTOR CHIP 22.1
R659-661,663,671-677,684,696,697,699,702	055 ERJ3EKF22R1V	RESISTOR CHIP 22.1
R789,790	055 ERJ3EKF2701V	RESISTOR CHIP 2.7K
R665	055 ERJ3EKF2702V	RESISTOR CHIP 27K
R635-637	055 ERJ3EKF3000V	RESISTOR CHIP 300
R638,642	055 ERJ3EKF3001V	RESISTOR CHIP 3K
R846,873	055 ERJ3EKF3301V	RESISTOR CHIP 3.3K
R669	055 ERJ3EKF3303V	RESISTOR CHIP 330K
R840	055 ERJ3EKF4641V	RESISTOR CHIP 4.64K
R807	055 ERJ3EKF4700V	RESISTOR CHIP 470
R752-755,763,782,783,787,829,847,853-855	055 ERJ3EKF4701V	RESISTOR CHIP 4.7K
R857,863,869,895,896,898,899,901,902	055 ERJ3EKF4701V	RESISTOR CHIP 4.7K
R648,649,708-712,715,718,719,729-731	055 ERJ3EKF4701V	RESISTOR CHIP 4.7K
R733,736,738,740,742,744,908,911,926	055 ERJ3EKF4701V	RESISTOR CHIP 4.7K
R616,617,705,905,906,928-935	055 ERJ3EKF4702V	RESISTOR CHIP 47K
R758	055 ERJ3EKF4703V	RESISTOR CHIP 470K
R856	055 ERJ3EKF4750V	RESISTOR CHIP 475
R646,662,778	055 ERJ3EKF47R0V	RESISTOR CHIP 47
R794-797,801,805	055 ERJ3EKF6040V	RESISTOR CHIP 604
R639	055 ERJ3EKF6800V	RESISTOR CHIP 680
R841	055 ERJ3EKF6802V	RESISTOR CHIP 68K
R823,910,922-924	055 ERJ3EKF7500V	RESISTOR CHIP 750
R610,870,876,759,760,762,882-890	055 ERJ3EKF75R0V	RESISTOR CHIP 75
R618,627,629,633,643-645,667,678,681	055 ERJ3GEY0R00V	RESISTOR CHIP 0
R714,726,728,746,747,765,766,775,785	055 ERJ3GEY0R00V	RESISTOR CHIP 0
R788,791-793,806,808,894,897,900,903,937	055 ERJ3GEY0R00V	RESISTOR CHIP 0
R612,867,866	055 ERJ3RQF1R0V	RESISTOR CHIP 1

SYMBOL	PARTS NO.	DESCRIPTION
R632	055 ERJ3RQF2R2V	RESISTOR CHIP 2.2
L658-660	055 ERJ6GEYJ2R2V	RESISTOR CHIP 2.2
JK601,602	066 C-4833A01	2x3P PIN JACK (G/B/R)
J601-605	066 C-4963A01	HDMI SOCKET
016 E-1489A00 PCB ASSY		
	501 E-1489	PCB ASSY (VIDEO)
L501-503	021 TLAL02TB100K	MICRO INDUCTOR 10uH
L504,506,509,512	021 TLAL02TB4R7K	MICRO INDUCTOR 4.7uH
L505,507,508	021 TLAL02TB6R8K	MICRO INDUCTOR 6.8uH
XT501	023 HC49U-001WR	CRYSTAL 14.31818MHz
L510,511	025 BK2125HS601	BEAD COIL CHIP BK2125HS601-T
IC516,517,521	031 AD8063ART	IC SMD (AMP) ADV8063ARTZ-R2
IC524	031 MB90050PF-G-001	IC SMD (OSD)
IC522	031 MM1108XFFE	IC SMD (SYNC SEPARATOR)
IC504,505,515	031 MM1227XFBE	IC SMD (VIDEO SWITCH)
IC506-514,518-520	031 MM1508XNRE	IC SMD (VIDEO SWITCH)
IC525	031 NJM7805FA	IC (REG. +5VDC) KIA7805API
IC523	031 NJM7808FA	IC (REG.+8VDC) KIA7808API
IC501-503	031 TEA6425D	IC SMD (VIDEO SWITCH)
Q503	032 KRC107S	TRANSISTOR CHIP KRC107S
Q501,502,504,505	032 KTC3875S-Y	TRANSISTOR KTC3875S-Y-RTK
D501-503	037 KDS226RTK	DIODE CHIP KDS226RTK
C503,505,507-515,522-524,528,529	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C541-550,560,567-569	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C502,504,506,519-521,572-574	041 TUTES1A471-7TF	ELECTROLYTIC CAPACITOR 10V470uF
C583,587	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C552	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C501,530-540,551,553-555,557-559	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C561,562,566,570,575,582,584-586	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C580	041 TUTES1H3R3-7TF	ELECTROLYTIC CAPACITOR 50V3.3uF
C647,652,653	047 3535200122	CERAMIC CAPACITOR CHIP 20pF
C581,589-632,634,639,643-646,648-651	047 3535104122	CERAMIC CAPACITOR CHIP 0.1uF
C516-518,525-527	047 3535224122	CERAMIC CAPACITOR CHIP 0.22uF
C578	047 3535392122	CERAMIC CAPACITOR CHIP 3900pF
C564,571,633	047 ECJ1VC1H100D	CERAMIC CAPACITOR CHIP 10pF
C642	047 ECJ1VC1H101J	CERAMIC CAPACITOR CHIP 100pF
C577	047 ECJ1VC1H102J	CERAMIC CAPACITOR CHIP 1000pF
C637,638,641	047 ECJ1VC1H220J	CERAMIC CAPACITOR CHIP 22pF
C556,579	047 ECJ1VC1H561J	CERAMIC CAPACITOR CHIP 560pF
C635,636,640	047 ECJ1VC1H820J	CERAMIC CAPACITOR CHIP 82pF
R602,605	054 1WS10J	MOF RESISTOR 1W 10
R544-547,561,566,576,591,620	055 ERJ3EKF1000V	RESISTOR CHIP 100
R521,523,594,612-614	055 ERJ3EKF1001V	RESISTOR CHIP 1K
R578-581,586,593,616,617	055 ERJ3EKF1002V	RESISTOR CHIP 10K
R596,604	055 ERJ3EKF1003V	RESISTOR CHIP 100K
R501,528,529,550,551,553-560,562,563	055 ERJ3EKF10R0V	RESISTOR CHIP 10
R575,577,582,583	055 ERJ3EKF10R0V	RESISTOR CHIP 10
R520,522	055 ERJ3EKF2001V	RESISTOR CHIP 2K
R599,601	055 ERJ3EKF2202V	RESISTOR CHIP 22K
R587,588	055 ERJ3EKF2701V	RESISTOR CHIP 2.7K
R572,573,597	055 ERJ3EKF3000V	RESISTOR CHIP 300
R571	055 ERJ3EKF3303V	RESISTOR CHIP 330K
R606,607	055 ERJ3EKF33R0V	RESISTOR CHIP 33
R530-543,552,589,592,600	055 ERJ3EKF4701V	RESISTOR CHIP 4.7K
R564,565	055 ERJ3EKF5600V	RESISTOR CHIP 560
R567,569,584,621-623	055 ERJ3EKF6040V	RESISTOR CHIP 604
R511-519	055 ERJ3EKF68R0V	RESISTOR CHIP 68

SYMBOL	PARTS NO.	DESCRIPTION
R502-510	055 ERJ3EKF75R0V	RESISTOR CHIP 75
R595	055 ERJ3EKF8202V	RESISTOR CHIP 82K
R524,608-611,615	055 ERJ3GEY0R00V	RESISTOR CHIP 0
R598,603	055 ERJ3RQF1R0V	RESISTOR CHIP 1
R525-527	055 ERJ3RQF2R2V	RESISTOR CHIP 2.2
JK501-503	066 C-4964A01	2P PIN JACK + DIN JACK
CP601	068 B12B-PH-KS	CONNECTOR WAFER 12P
CP605	068 B4B-PH-KS	CONNECTOR WAFER 14P
016 E-1490B00 PCB ASSY		
	501 E-1490	PCB ASSY (ZONE)
IC711	031 HEF4094BT	IC SMD (SHIFT REGISTER)
IC715-718	031 LTV817	IC DIP (PHOTO COUPLER)
IC701,702,704-706,712-714	031 NJM2068M	IC SMD (OPE DUAL)
IC710	031 NJM7812FA	IC (REG. +12VDC) KIA7812API
IC707	031 TC9163CFG	IC SMD (SWITCH ALLEY)
IC709	031 TC9482BFG	IC SMD (VOLUME)
Q702,708	032 KRA107S	TRANSISTOR KRA107S
Q707,709-714	032 KRC107S	TRANSISTOR KRC107S
Q721-728	032 KRC231S	TRANSISTOR KRC231S
Q701,703,704	032 KRC231S	TRANSISTOR KRC231S
Q715-720	032 TA1450-ST	TRANSISTOR 2SA1450AA-ST
D701,702	037 KDS184RTK	DIODE CHIP KDS184RTK
C702	041 TUTES1C471-7TF	ELECTROLYTIC CAPACITOR 16V470uF
C714,715,725,726,740,741,744,745	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C748,749,752,753,761,762	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C703,704,707,708,719-724,735-739	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C742,743,746,747,750,759,765-776	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C781,782	047 ECJ2VB1H153K	CERAMIC CAPACITOR CHIP 0.015uF
C799-810,813,816,819,820,836-842	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C701,709,710,751,754-756,760,793,794	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C833-835	047 ECJ2VG1H100D	CERAMIC CAPACITOR CHIP 10pF
C777,778,787-792,795,796,821-832	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
C783,784,811,812,814,815,817,818	047 ECJ2VG1H470J	CERAMIC CAPACITOR CHIP 47pF
C713,718,727-732	047 ECJ2VG1H470J	CERAMIC CAPACITOR CHIP 47pF
R714,715,748,751,778,781,789,790	055 ERJ6ENF1000V	RESISTOR CHIP 100
C843-846,859-872	055 ERJ6ENF1000V	RESISTOR CHIP 100
R701,703,704,707,725,728,731,734,737	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R740,752,755,760,763,764,767,768	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R771-774,779,780,782-788,799,834-839	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R873	055 ERJ6ENF1002V	RESISTOR CHIP 10K
R702,705,706,726,727,732,733,738,739	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R749,750,753,754,761,762,765,766,769	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R770,793-798,800,819-824,853,854	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R801-806	055 ERJ6ENF1202V	RESISTOR CHIP 12K
R724,729,730,735,736,741	055 ERJ6ENF1501V	RESISTOR CHIP 1.5K
R840-842	055 ERJ6ENF2002V	RESISTOR CHIP 20K
R828-833	055 ERJ6ENF3902V	RESISTOR CHIP 39K
R712,713,718-721,742-747,807-818	055 ERJ6ENF4701V	RESISTOR CHIP 4.7K
R825-827	055 ERJ6ENF75R0V	RESISTOR CHIP 75
R847-852	055 ERJ6GEYJ2R2V	RESISTOR CHIP 2.2
JAK701-705	065 HSJ1002-016020	3.5Φ MINI JACK
SW702	066 C-4829A01	1P PIN JACK (B)
SW701	066 C-4764A03	2P PIN JACK (Y/Y)
SW703	066 C-4792A01	6P PIN JACK (WHT.RED)
CP301	068 B14B-PH-KS	CONNECTOR WAFER 14P
CP305	068 B15B-PH-KS	CONNECTOR WAFER 15P
CP502	068 B6B-PH-KS	CONNECTOR WAFER 6P

SYMBOL	PARTS NO.	DESCRIPTION
CP201	068 B8B-PH-KS	CONNECTOR WAFER 8P
CNT700	068 C-4867A01	FPC CONNECTOR 17P
NT401	068 C-4867A04	FFC CONNECTOR 31P
016 X-1491A01-03 PCB ASSY		
	501 X-1491	PCB ASSY (POWER)
T201	022 T-1075N02	SUB TRANSFORMER
Q201	032 TA1450-ST	TRANSISTOR 2SA1450AA-ST
Q202-204	033 TC3708-ST	TRANSISTOR 2SC3708AA-ST
D216,217	034 KBL406	POWER DIODE 400V6A
D214,215,218	034 KBP206	POWER DIODE 200V6A
DB201	034 KBPC2504W-F	POWER DIODE 400V25A
D201,204,205,207,210,212,213,219-221	034 T1N4004-TB	DIODE 1N4004-F
D209	034 T1N4148-86	DIODE 1N4148TAP-50
D203	034 TRD27JST1	ZENER DIODE 27V (AB2)
D208,211	034 TRD5.1JST1	ZENER DIODE 5.1V (AB3)
D206	034 TRD6.8JST1	ZENER DIODE 6.8V (AB4)
D202	034 TRD9.1JST1	ZENER DIODE 9.1V (AB5)
F201* for 230V	036 5ST3.15-R	FUSE 250V3.15A
F202	036 5ST315-R	FUSE 250V315mA
F203-206	036 5ST4-R	FUSE 250V4A
F201* for 120V	036 5ST8-R	FUSE 250V8A
C202,203	041 AM1K153	ELECTROLYTIC CAPACITOR 80V15000uF
C227	041 TUTES1A471-7TF	ELECTROLYTIC CAPACITOR 10V470uF
C212,221	041 TUTES1C102-7TS	ELECTROLYTIC CAPACITOR 16V10000uF
C223	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C230-237	041 UTWE1E472-7TS	ELECTROLYTIC CAPACITOR 25V4700uF
C238-243,253-255	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C211	041 TUTES1H220-7TF	ELECTROLYTIC CAPACITOR 50V22uF
C210	041 TUTES1H470-7TF	ELECTROLYTIC CAPACITOR 50V47uF
C205-209	043 TC500V103	CERAMIC CAPACITOR 500V0.01uF
C213,244-252	043 TC50V104	CERAMIC CAPACITOR 0.1uF
C201,204	044 3549472109	AC CAPACITOR 400V 0.0047uF
C214-220,222,224,225,226,228,229	044 BQ014E0103J	M.P CAPACITOR 100V0.01uF
R203,204	053 CR14-010J-A	CARBON RESISTOR 1/4W 1
R208	053 CR14-101J-A	CARBON RESISTOR 1/4W 100
R206,210,211,216	053 CR14-102J-A	CARBON RESISTOR 1/4W 1K
R205,217-220	053 CR14-103J-A	CARBON RESISTOR 1/4W 10K
R209	053 CR14-152J-A	CARBON RESISTOR 1/4W 1.5K
R212,215	053 CR14-222J-A	CARBON RESISTOR 1/4W 2.2K
R201,207	053 CR14-470J-A	CARBON RESISTOR 1/4W 47
R213	053 CR14-472J-A	CARBON RESISTOR 1/4W 4.7K
R214	053 CR14-562J-A	CARBON RESISTOR 1/4W 5.6K
R202* for 120V	054 MSR1/2W4M7J	MOF RESISTOR 1/2W 4.7M
RLY201	063 DG1U-12	RELAY DG12D1-O(M)-2
CP203	068 4428503746	CONNECTOR WAFER 3P
CP201	068 4428505746	CONNECTOR WAFER 5P
CP404	068 B14B-PH-KS	CONNECTOR WAFER 14P
CP207	068 B2B-EH	CONNECTOR WAFER 2P
CP403	068 B2B-PH-KS	CONNECTOR WAFER 2P
CP202,CT201,202,CTA201-204,CTS201,202	068 B2P3-VH	CONNECTOR WAFER 2P
CNT203	068 B2P-VH	CONNECTOR WAFER 2P
CP205	068 B3B-EH	CONNECTOR WAFER 3P
CP204	068 B4B-PH-KS	CONNECTOR WAFER 4P
CP302	068 B5B-PH-KS	CONNECTOR WAFER 5P
CP211	068 B7B-EH	CONNECTOR WAFER 7P
CP106	068 B7B-PH-KS	CONNECTOR WAFER 7P
CP604	068 B8B-PH-KS	CONNECTOR WAFER 8P

SYMBOL	PARTS NO.	DESCRIPTION
Q115,215,315,415,515 Q114,214,314,414,514 Q113,213,313,413,513 CP251	HEAT SINK ASSEMBLY (5CH AMP)	
	505 HSRSX-1058	HEAT SINKER ASSY (with 501 E-1413-C)
	017 UF3-08A01	HEAT SINKER BOARD
	019 TO-126	MICA SHEET TBM-51W-15 #9524
	019 TO-3P	MICA SHEET TBM-51W-15 #9043
	032 C4137-V	TRANSISTOR
	033 A1386-OPY	TRANSISTOR 2SA1386A-OPY
IC202,203,205 IC204 IC201 IC208,209 IC207 IC206	033 C3519-OPY	TRANSISTOR 2SC3519A-OPY
	034 P43T7D200BW20	POSISTOR
	HEAT SINK ASSEMBLY (POWER)	
	505 SHRSX-1058	HEAT SINKER ASSY (with 501 E-1491-02)
	017 WQ3-05B00	HEAT SINKER BOARD
	031 KIA278R05PI	IC KIA278R05PI/P (REG.+5VDC)
	031 NJM317F	IC (REGULATOR)
(CP105)* (CP105)* CNT700 CNT401	031 NJM7805FA	IC (REG. +5VDC) KIA7805AP
	031 NJM7812FA	IC (REG. +12VDC) KIA7812AP
	031 NJM7815FA	IC (REG. +15VDC) KIA7815AP
	031 NJM7915FA	IC (REG. -15VDC) KIA7915PI
	OTHERS	
	011 FP-625-B	BLACK PANEL ASSY
	011 FP-625-S	SILVER PANEL ASSY
	011 UF3-01B00	H/S PANEL
	012 C-4711A03	KNOB 43Φ NO MARK (BLACK)
	012 C-4711A03S	KNOB 43Φ NO MARK (SILVER)
	012 RV4-09A00	PUSH BUTTON 14Φ (BLACK)
	012 RV4-09A01	PUSH BUTTON 14Φ (SILVER)
	012 TB3-18A00	TACT BUTTON 16 KEY (BLACK)
	012 TB3-18A01	TACT BUTTON 16 KEY (SILVER)
	014 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)
	021 RLA172A00	AM LOOP ANT
	022 T-1109U01	POWER TRANSFORMER
	034 SEL1124R	LED (RED) 1X5
	034 SEL1E24W	LED (BLU) 1X5
	061 C-4838A00	ROCKER SWITCH SR1N6BB
	069 C-4629A01	AC 2P INLET 6102.3100 (WIRING)
	072 4TR-3228	T TYPE ANTENNA
	072 C-4621A03	AC CORD SET SJT AWG16 for U.S.A
	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-4786A00	COMPUTER I/O CABLE (4-P)
	072 C-4863A00	FLAT CABLE 17P 150mm
	072 C-4863A07	FLAT CABLE 31P 150mm
	081 WQ3-07A00	INSIDE CARTON
	081 WQ3-08A00	SHIPPING CARTON
	081 ZE-208	ETHAFOAM MOULDING
	082 OMRSX-1058	OWNER'S MANUAL
	092 MB114MA1-1B	TUNER PACK
	092 RR-1060	REMOTE CONTROL UNIT

Addendum List for Black and Silver

RSX1058

SYMBOL	PARTS	DESCRIPTION
①	011 FP-625-B	BLACK PANEL ASSY
②	011 FP-625-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:

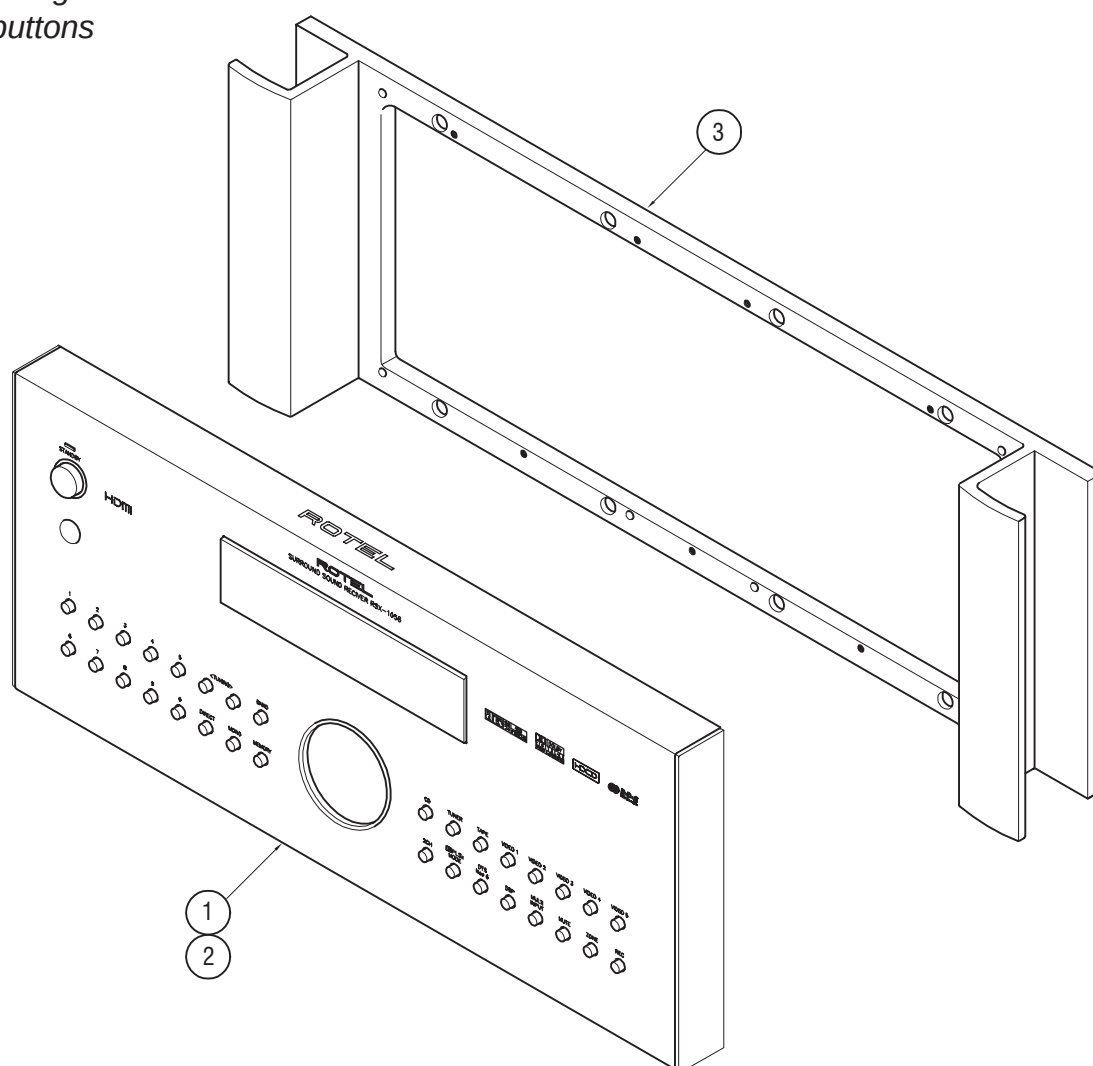
Panel Window

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>

Light-up ALL FL segments to check:

RSX1058 will get FL full illumination from "Direct" and "Always ON" setting on Power Option menu.

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.

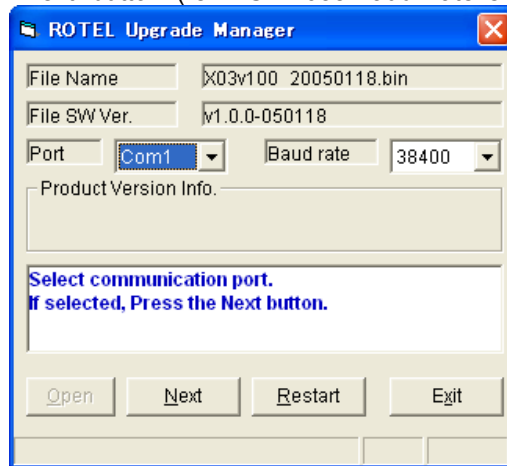
RSX-1058 Main Software Upgrade Procedure

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

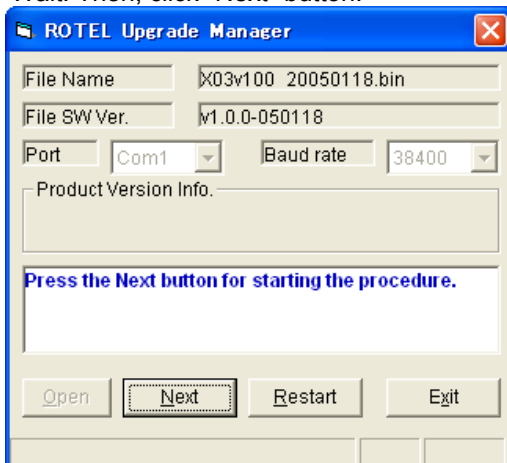
1. Click "Open File" -> Select Upgrade file



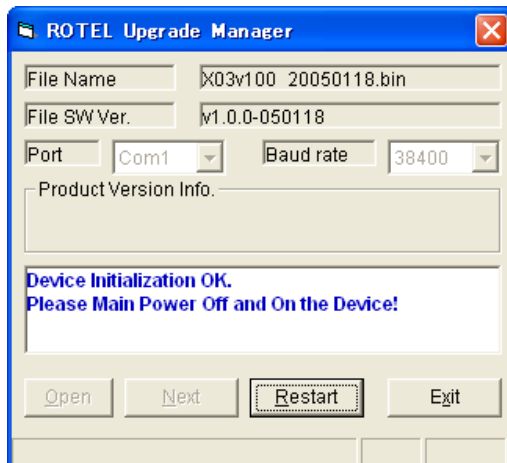
2. Confirm Port and Baud Rate setting. Then, click "Next" button. (ref: RSX-1058 Baud Rate is 38400)



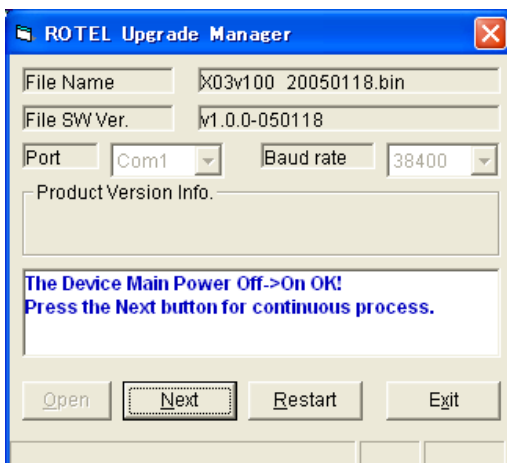
3. Communication port initializing Wait. Then, click "Next" button.



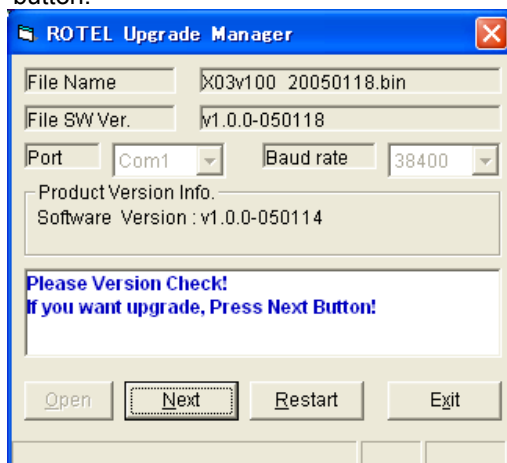
4. Power off the main switch of rear. And on again.



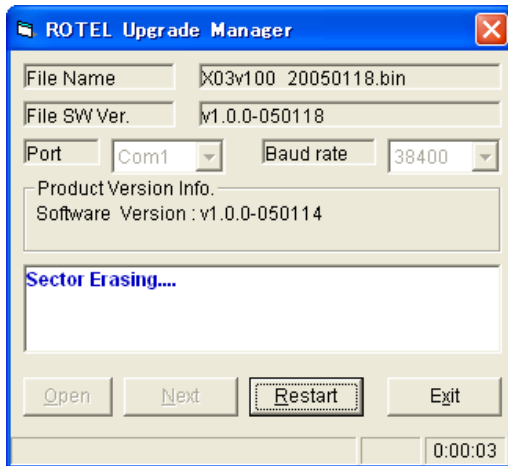
5. Click "Next" button.



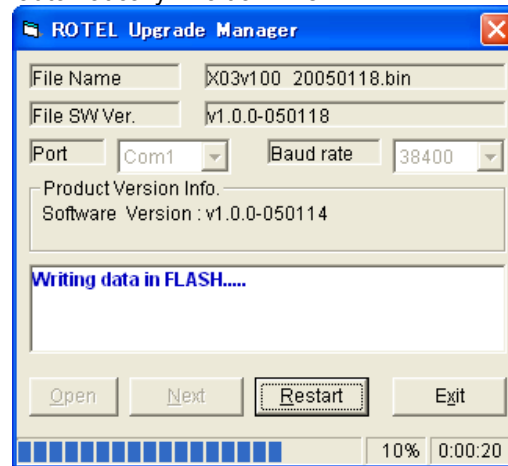
6. The device's current version is displayed. Click "Next" button.



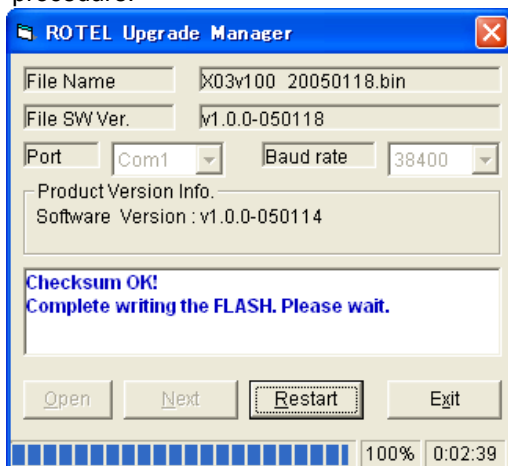
7. The sector is erasing. Wait a moment.



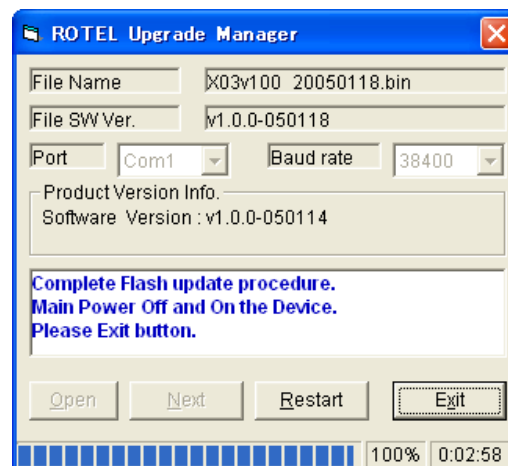
8. The sector is erased. The flash is writing automatically. Wait a while.



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



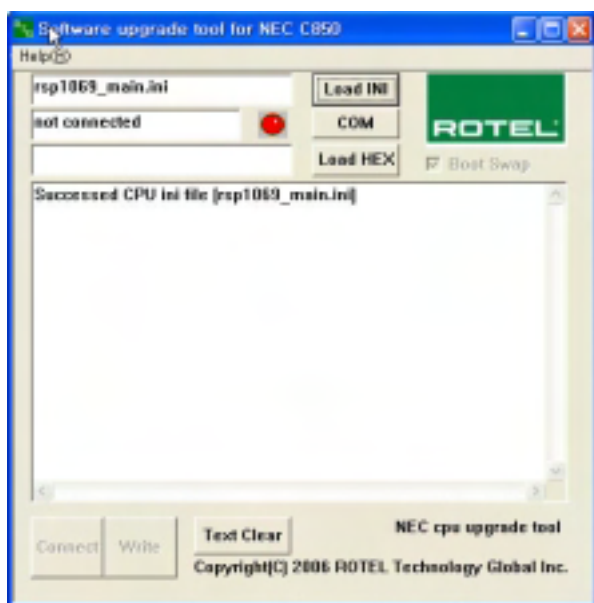
10. Completed all procedure. Power off and on again on main switch of rear. Click "Exit" button to finish the



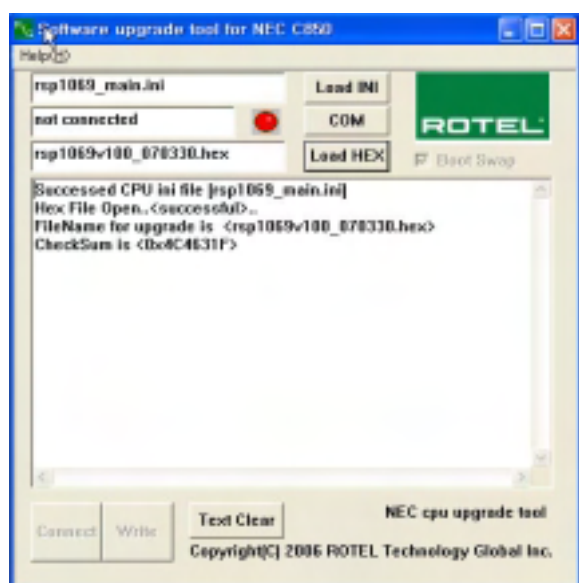
11. Finish.

RSX-1058 Scalar (VIDEO) Upgrade Software Procedure

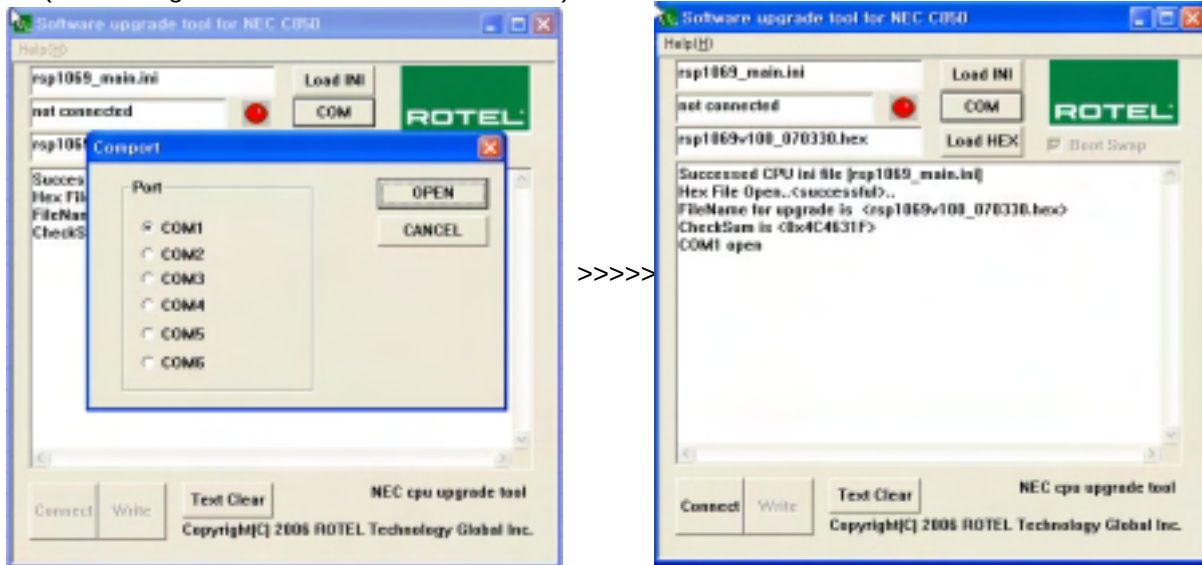
1. Execute nec flash upgrade.exe then will be created new folder as "C:\Program Files\nec upgrade".
2. Connect upgrade cable between RSX-1058 and PC.
3. Set upgrade environment on OSD Menu
"OSD Main Menu-> VIDEO/HDMI -> Video Upgrade -> yes " press Enter.
4. Copy Object file(.HEX) and INI file (video_scaler.ini) file, and save it in temporary same folder.
5. Execute nec_flash_upgrade.exe from Program list.
6. Load INI file by pushing "Load INI" button.
load video_scaler.ini for video scaler CPU of the RSX1058.



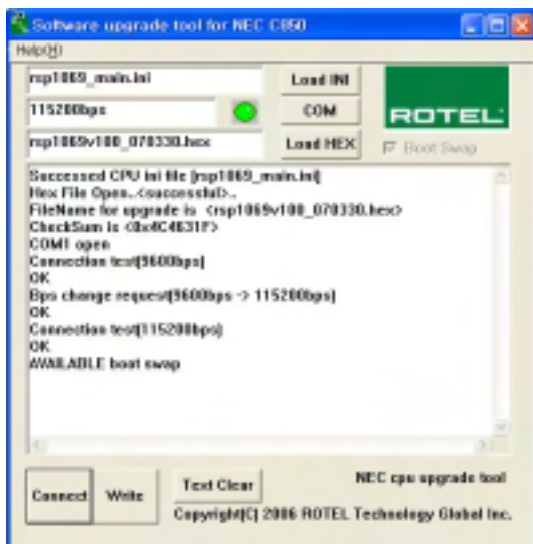
7. Load HEX file by pushing "Load HEX" button.
load scaler1058vxxx.hex for video scaler CPU of the RSX1058.



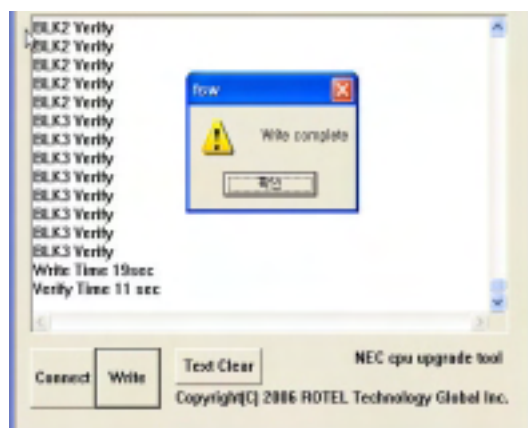
8. After pushing "COM" button placed at "HEX" button upper, and choosing COM1~COM4.
(connecting PC's COM1 ~COM4 and cable).



9. Push "Connect" button placed at program's below left side, and BaudRate placed next to "COM" button will be displayed if the above process is OK.



10. Click "Write" button placed next to "Connect" button .



- 11 After finishing "Write", then the total writing time will be displayed.

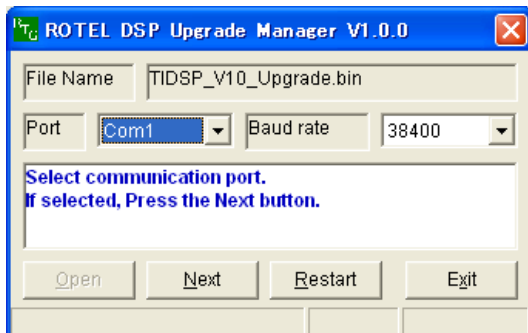
- 12 AC Power "OFF" and "ON" again to save.

RSX-1058 DSP Upgrade Manager V1.0.0 Procedure

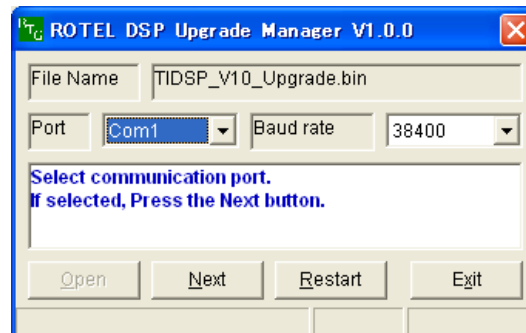
Dec.25.'06

Install the “DSP Upgrade Manager_V100” 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

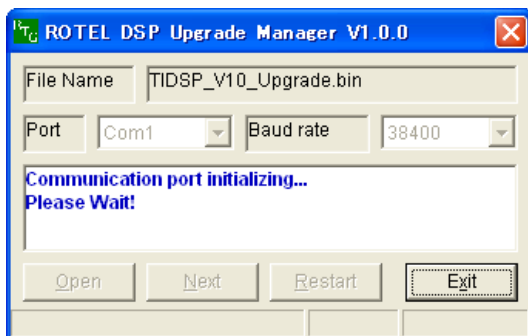


2. Confirm Port and Baud Rate setting. Then, click “Next” button. (ref: RSX-1058 Baud Rate is 38400)

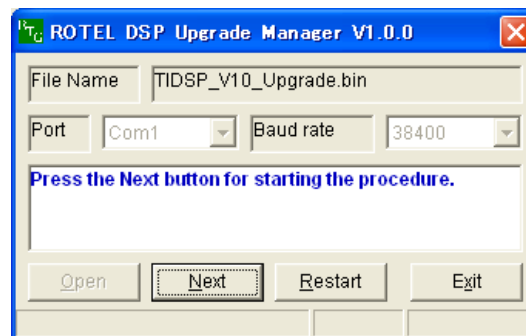


3. Communication port initializing

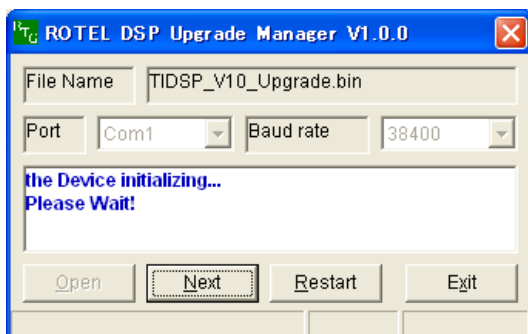
Wait. Then click “Next” button.



4. Press the “Next” button for starting the procedure.



5. Click “Next” button.



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

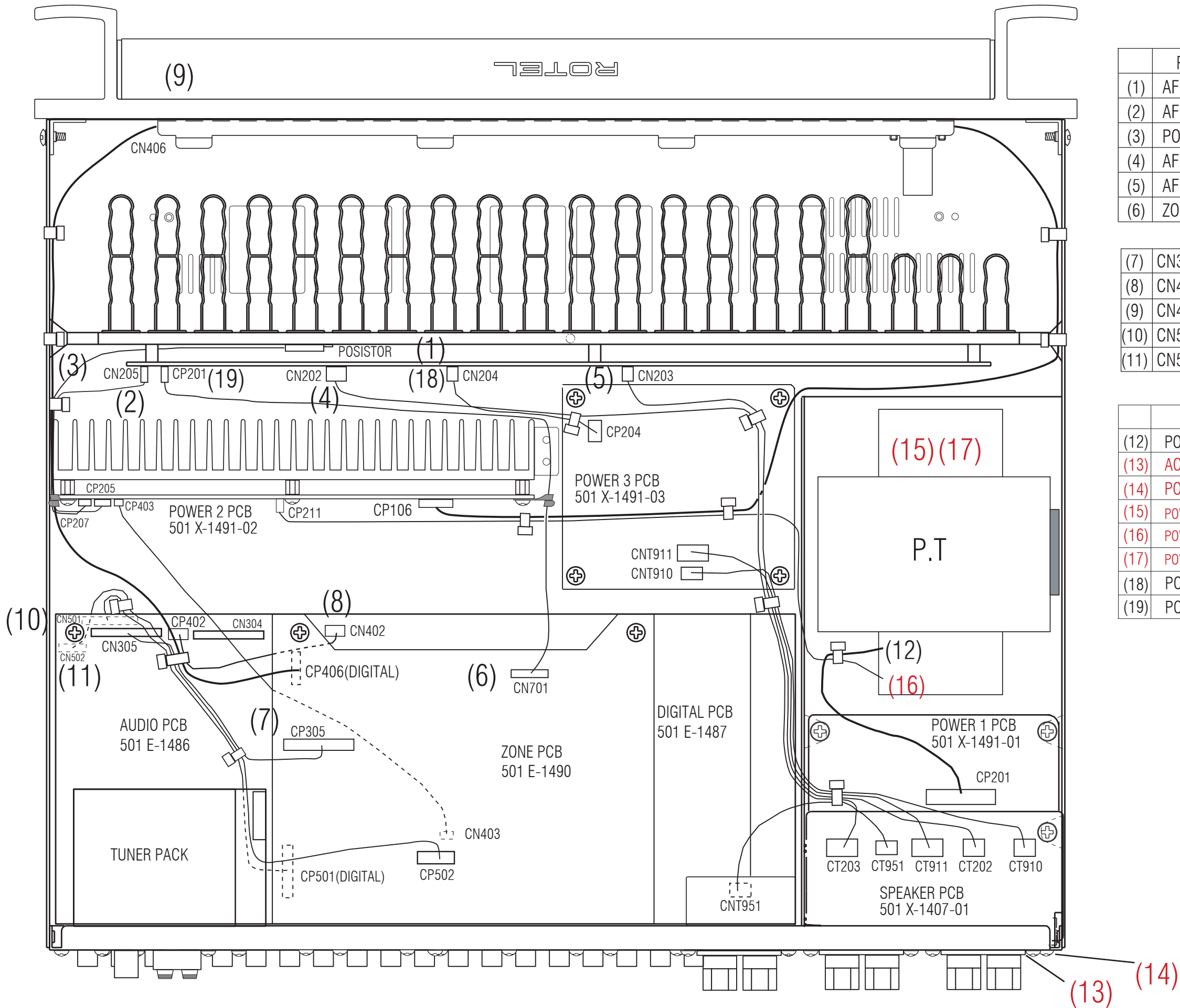
7. The sector is erasing. Wait a moment.

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 “Upgrade Manager” program.

11. Finish



	PCB,etc	POWER 2	POWER 3	SPEAKER	AF
(1)	AF (E-1413B00) CN204		→CP204		
(2)	AF (E-1413B00) CN205	→CP205			
(3)	POSISTOR	→CP207			
(4)	AF (E-1413B00) CN202			→CT202	
(5)	AF (E-1413B00) CN203			→CT203	
(6)	ZONE (E-1490B00) CN701				→P201

(7)	CN305 (AUDIO E-1486B00)→CP305 (ZONE E-1490B00)
(8)	CN402 (DIGITAL E-1487A00)→CP402 (AUDIO E-1486B00)
(9)	CN406 (FRONT X-1408B01) →CP406 (DIGITAL E-1487A00)
(10)	CN501 (VIDEO INPUT E-1489A00)→CP501 (DIGITAL E-1487A00)
(11)	CN502 (VIDEO INPUT E-1489A00)→CP502 (ZONE E-1490B00)

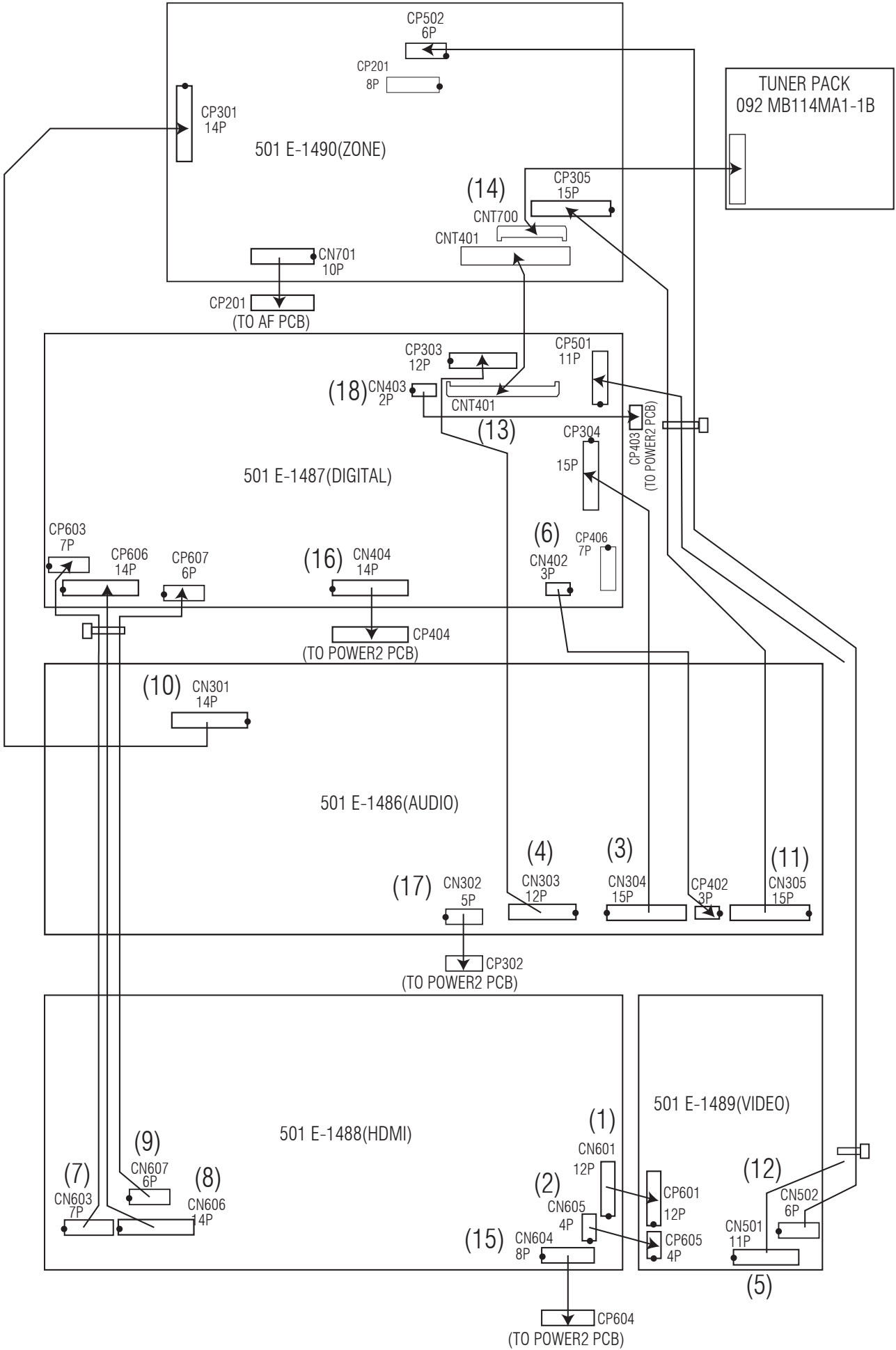
	PCB,etc	POWER 1 PCB	POWER 2 PCB	POWER 3 PCB	ZONE PCB
(12)	POWER TRANS	→CP201			
(13)	AC INLET	→CT202			
(14)	POWER SWITCH	→CT201			
(15)	POWER TRANS AC SECOND			→CP203	
(16)	POWER TRANS AC SECOND		→CP211		
(17)	POWER TRANS AC SECOND		→CNT203		
(18)	POWER1 CN204		→CP204		
(19)	POWER 2 CN201				→CP201

WIRING (REAR ASSY)

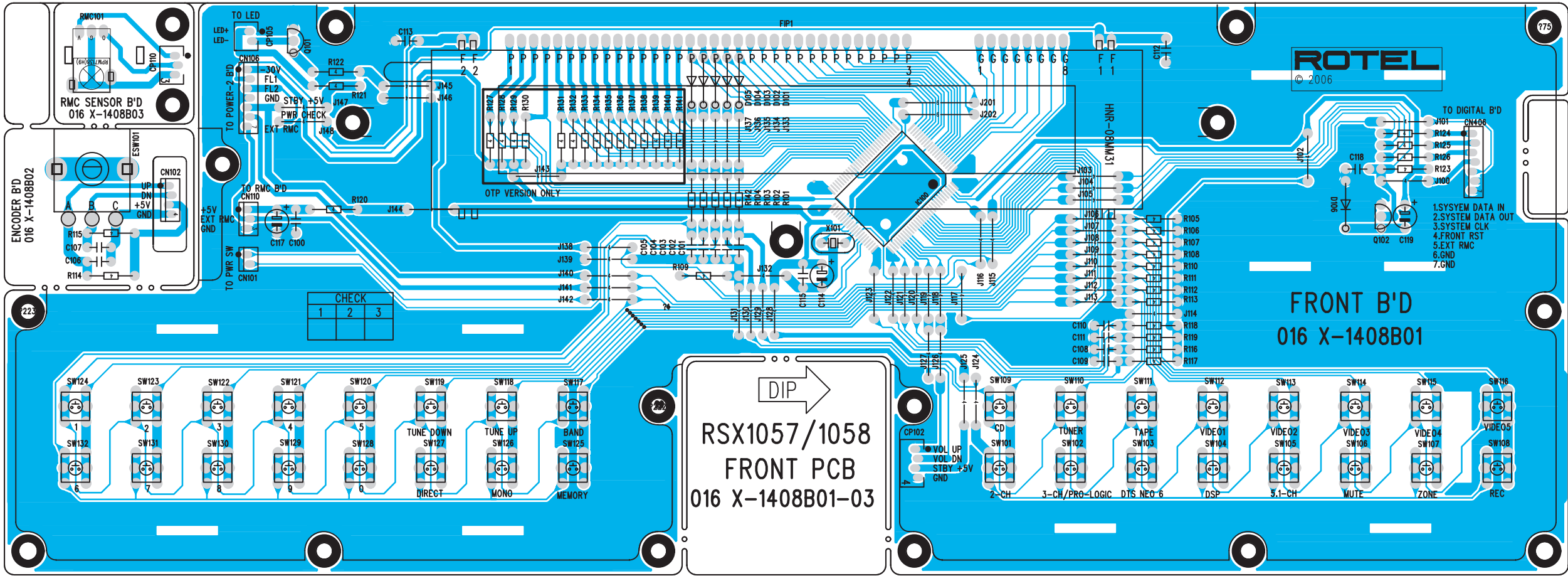
	PCB		AUDIO	DIGITAL	ZONE	VIDEO INPUT	TUNER PACK	POWER 2 PCB
(1)	HDMI (E-1488B00)	CN601				→ CP601		
(2)	HDMI (E-1488B00)	CN605				→ CP605		
(3)	AUDIO (E-1486B00)	CN304	→ CP304					
(4)	AUDIO (E-1486-B00)	CN303	→ CP303					
(5)	VIDEO INPUT (E-1489A00)	CN501				→ CP501		
(6)	DIGITAL (E-1487A00)	CN402	→ CP402					
(7)	HDMI (E-1488D00)	CN603				→ CP603		
(8)	HDMI (E-1488D00)	CN606				→ CP606		
(9)	HDMI (E-1488D00)	CN607				→ CP607		
(10)	AUDIO (E-1486B00)	CN301				→ CP301		
(11)	AUDIO (E-1486B00)	CN305				→ CP305		
(12)	VIDEO INPUT (E-1489A00)	CN502				→ CP502		
(13)	DIGITAL (E-1487A00)	CNT401				→ CNT401		
(14)	ZONE (E-1490B00)	CNT700					→ CON01	
(15)	HDMI (E-1488D00)	CN604						→ CP604
(16)	DIGITAL (E-1487A00)	CN404						→ CP404
(17)	AUDIO (E-1486B00)	CN302						→ CP302
(18)	DIGITAL (E-1487A00)	CN403						→ CP403

WIRING (FRONT PCB)

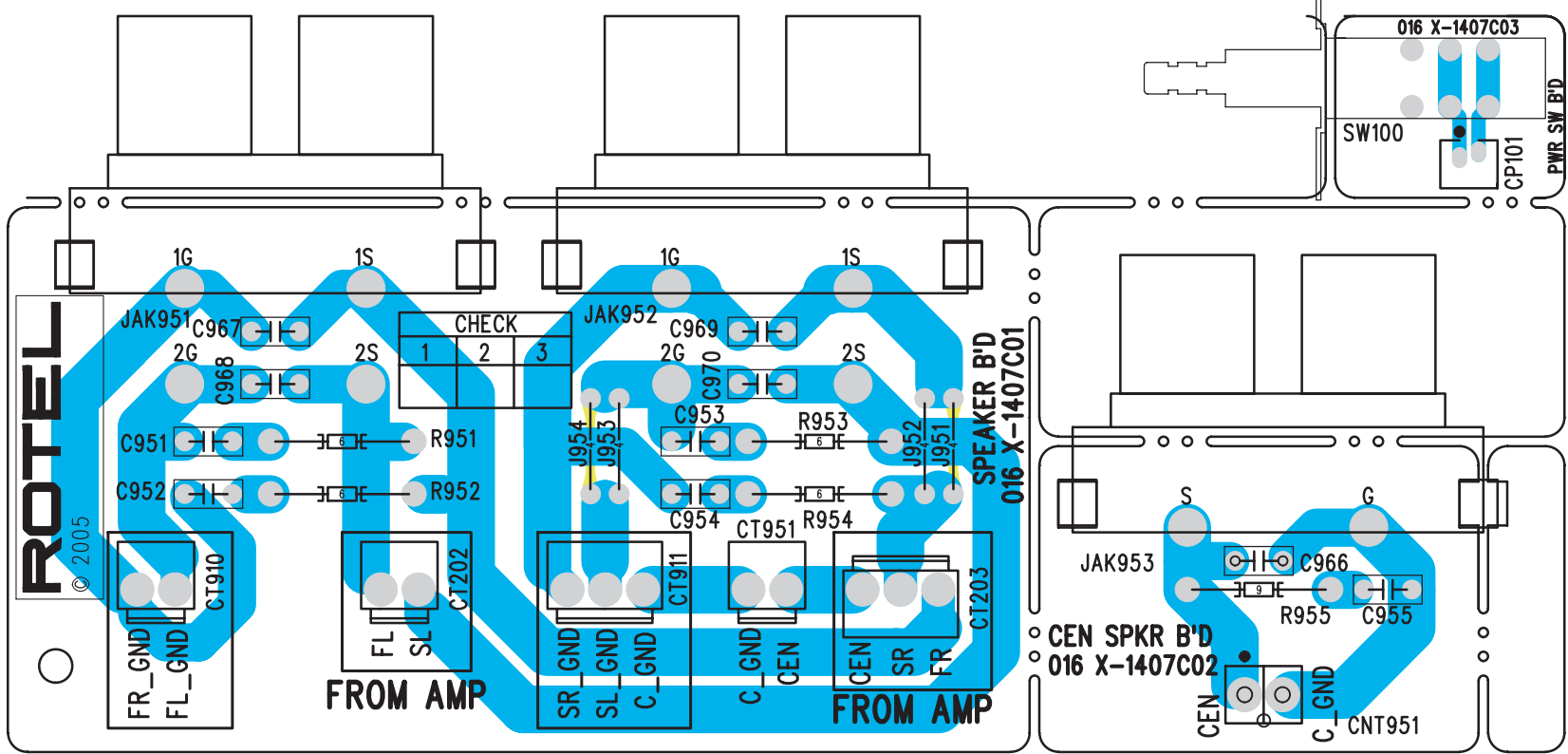
X1408-01(FRONT PCB)	CN110	→	X1408-03 (RMC SENSOR)	CP110
X1408-01(FRONT PCB)	CN101	→	X1407-03 (POWER SW PCB)	CP101
X1408-02(ENCODER PCB)	CN102	→	X1408-01(FRONT PCB)	CP102
STANDBY LED		→	X1408-01(FRONT PCB)	CP105



Front PCB 016 X-1408B01~03

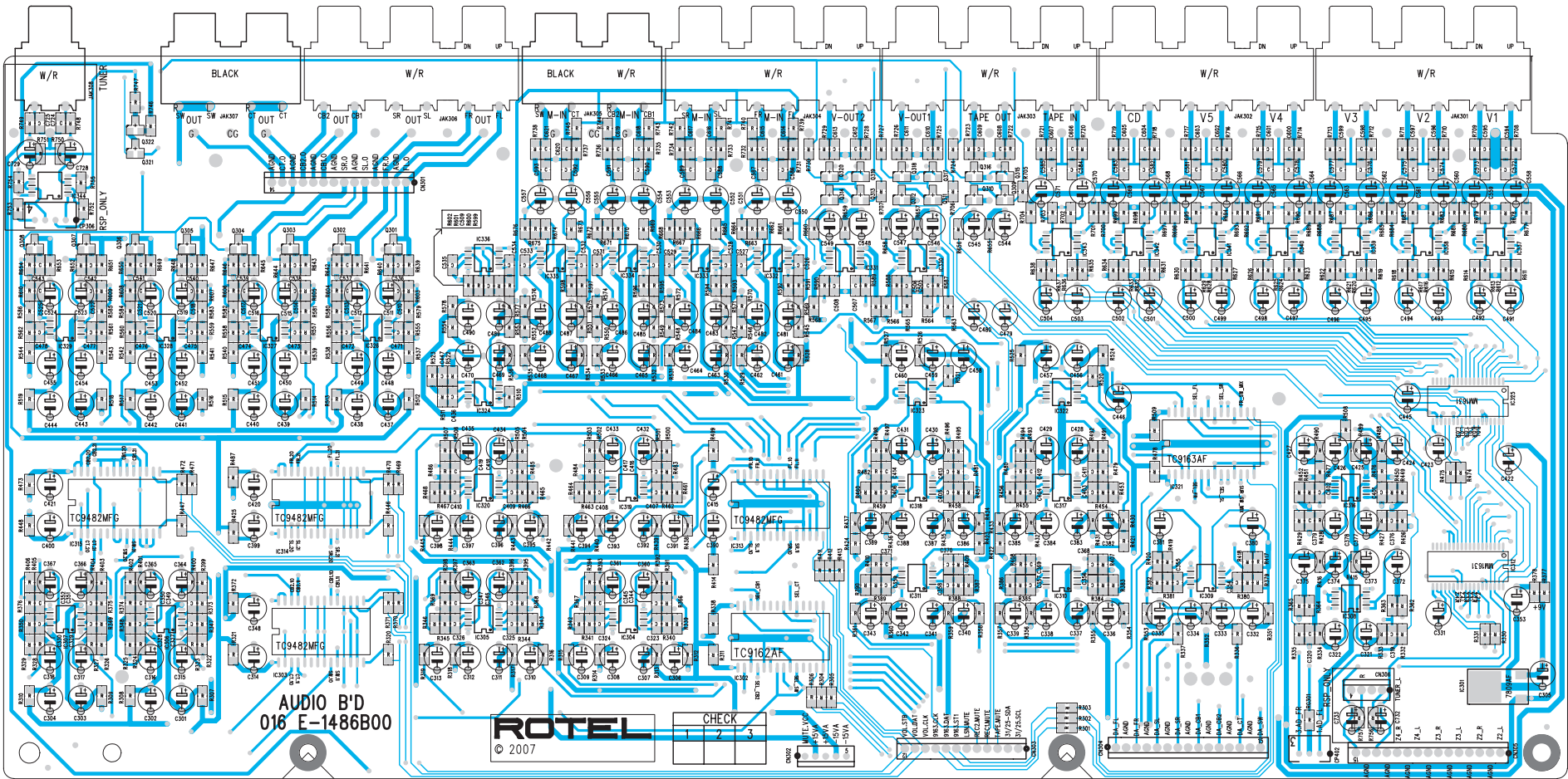


Speaker Terminal PCB 016 X-1407C01~03

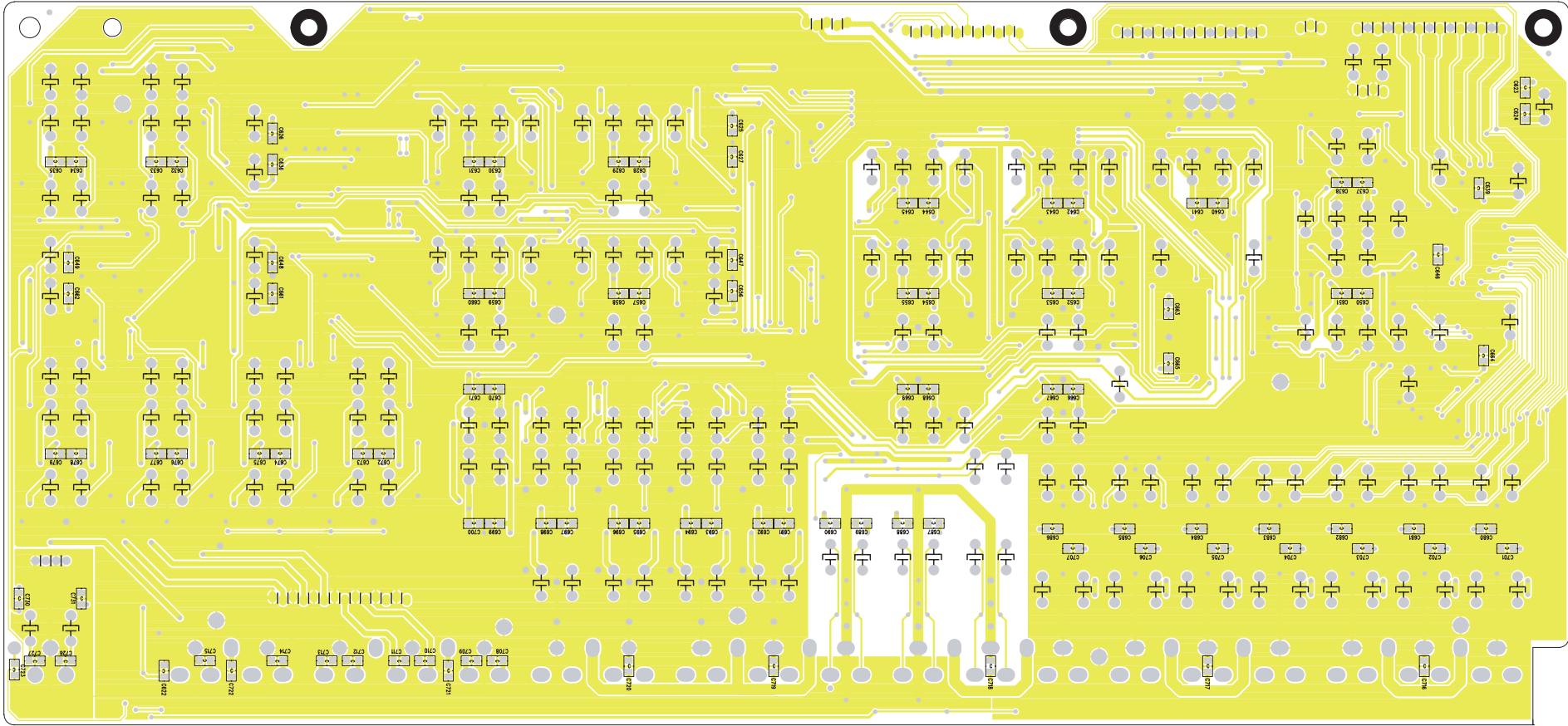


AUDIO PCB 016 E-1486B00

Top View

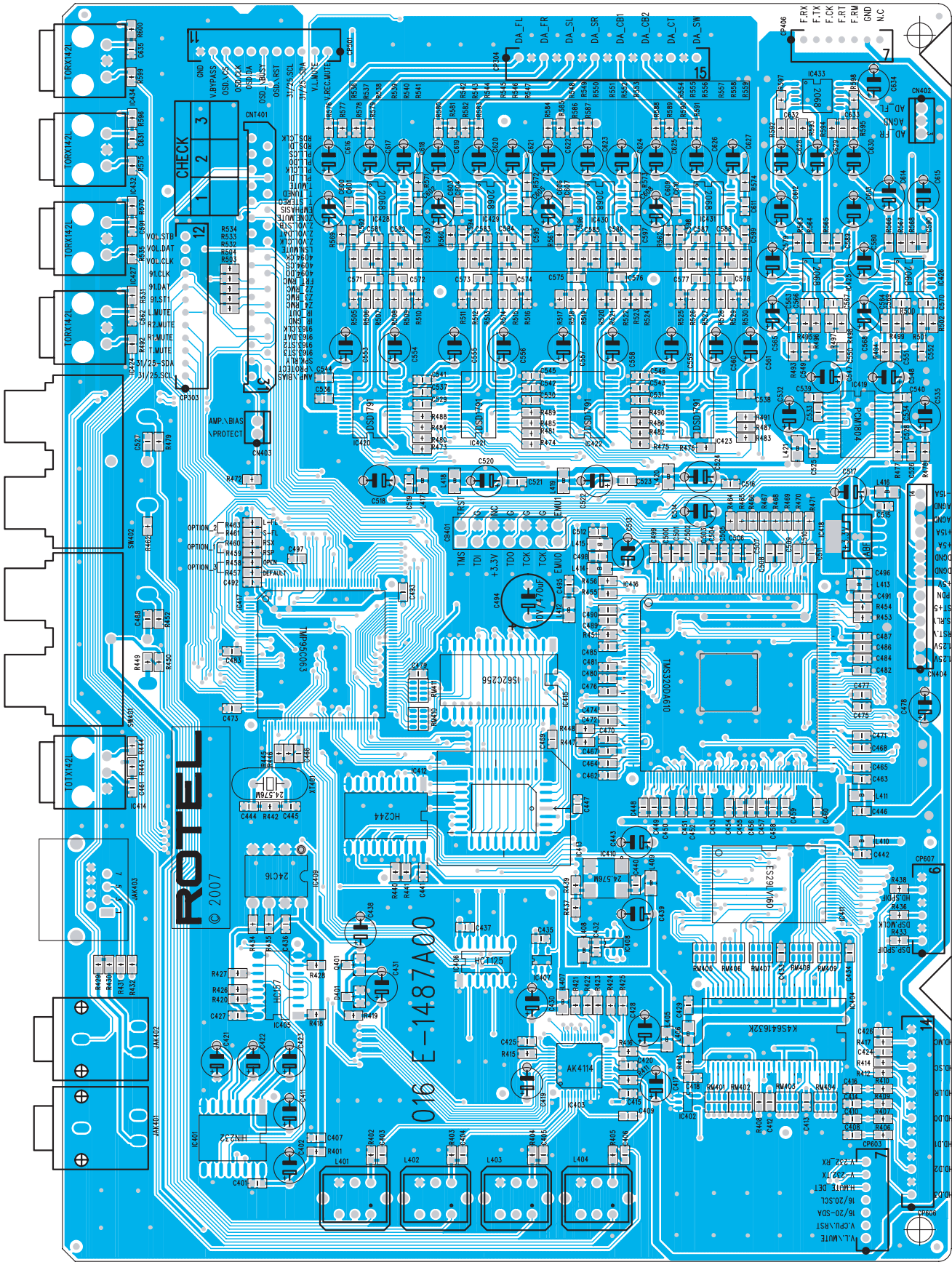


Bottom View

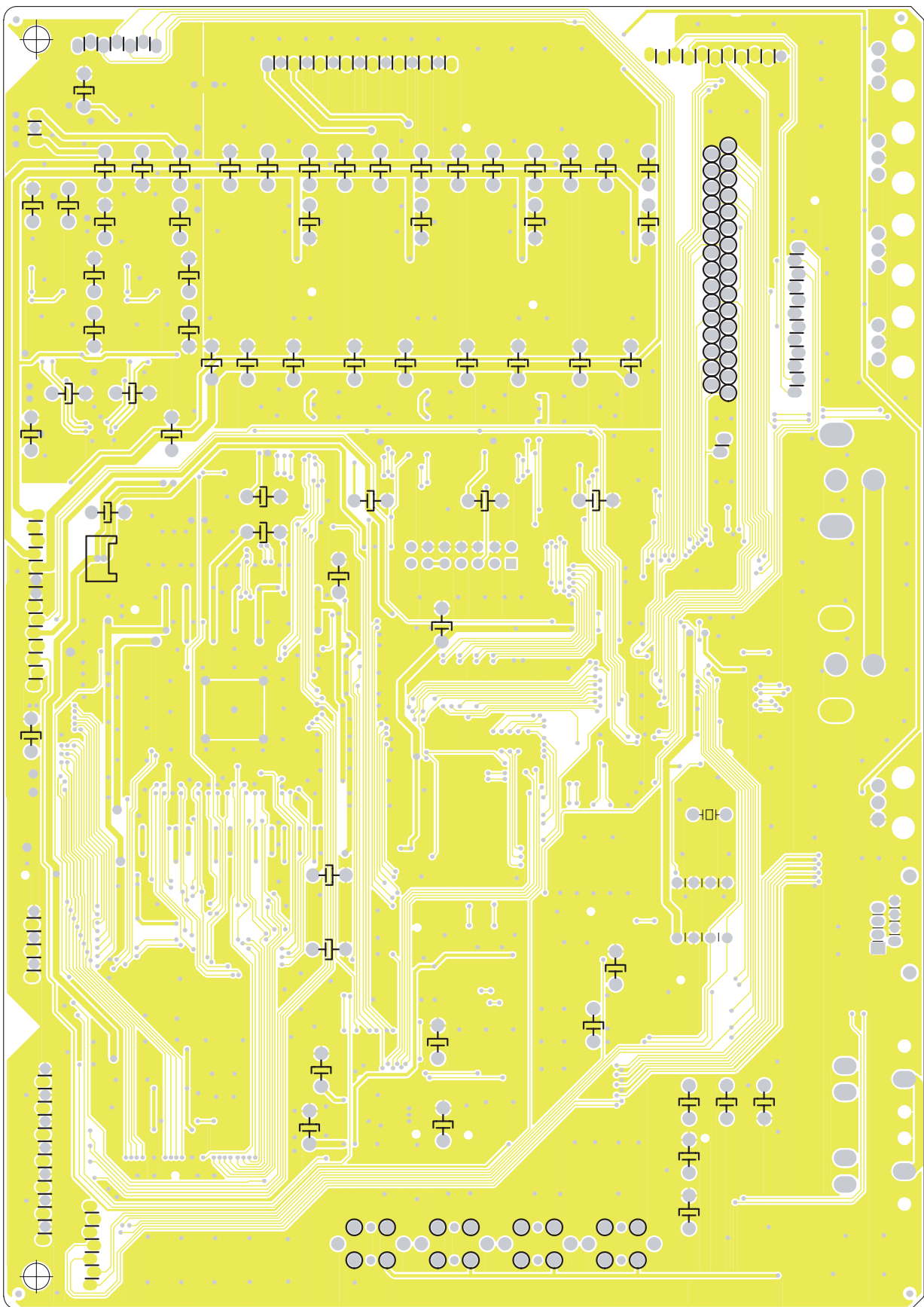


DIGITAL PCB 016 E-1487A00

Top View

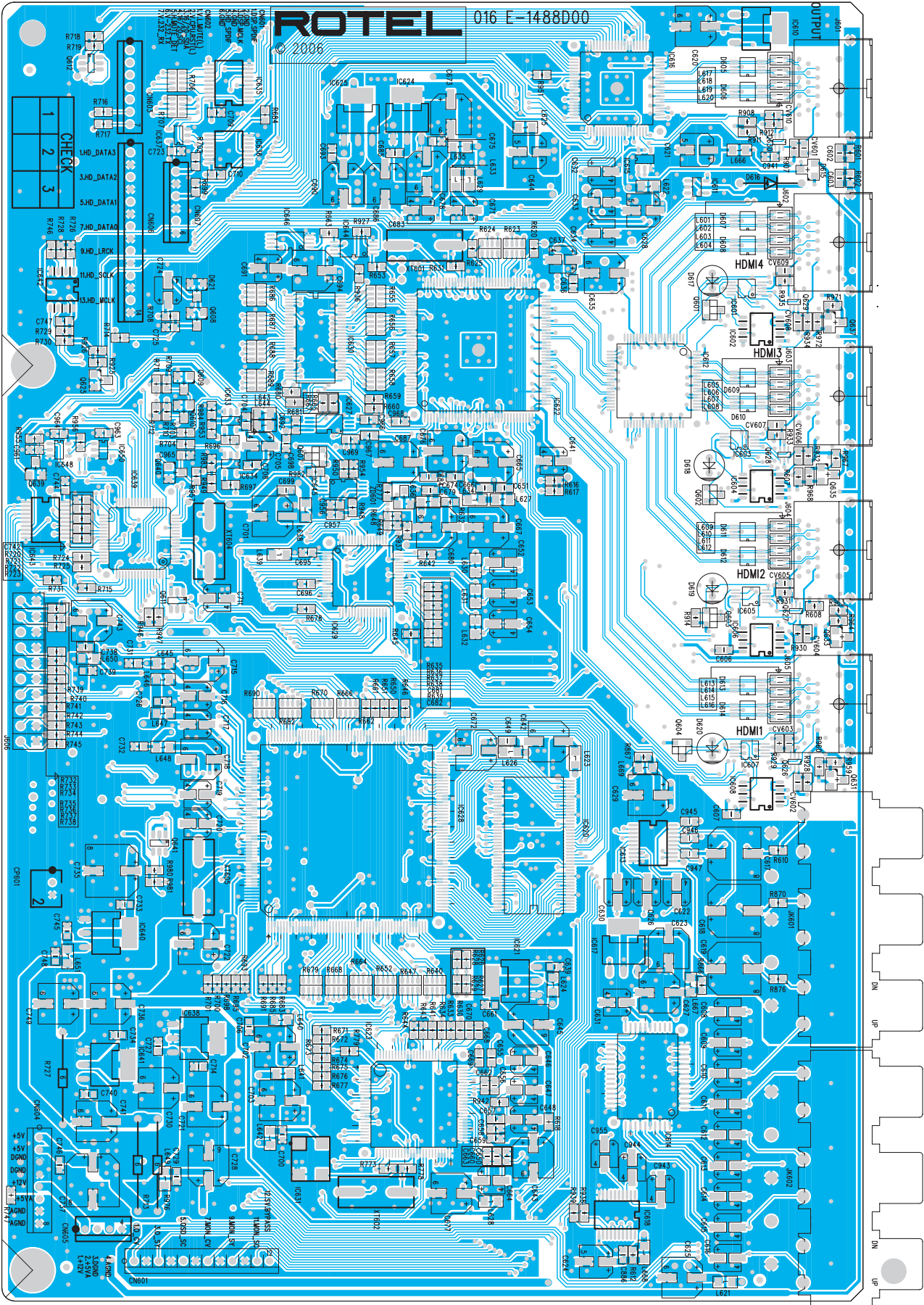


Bottom View

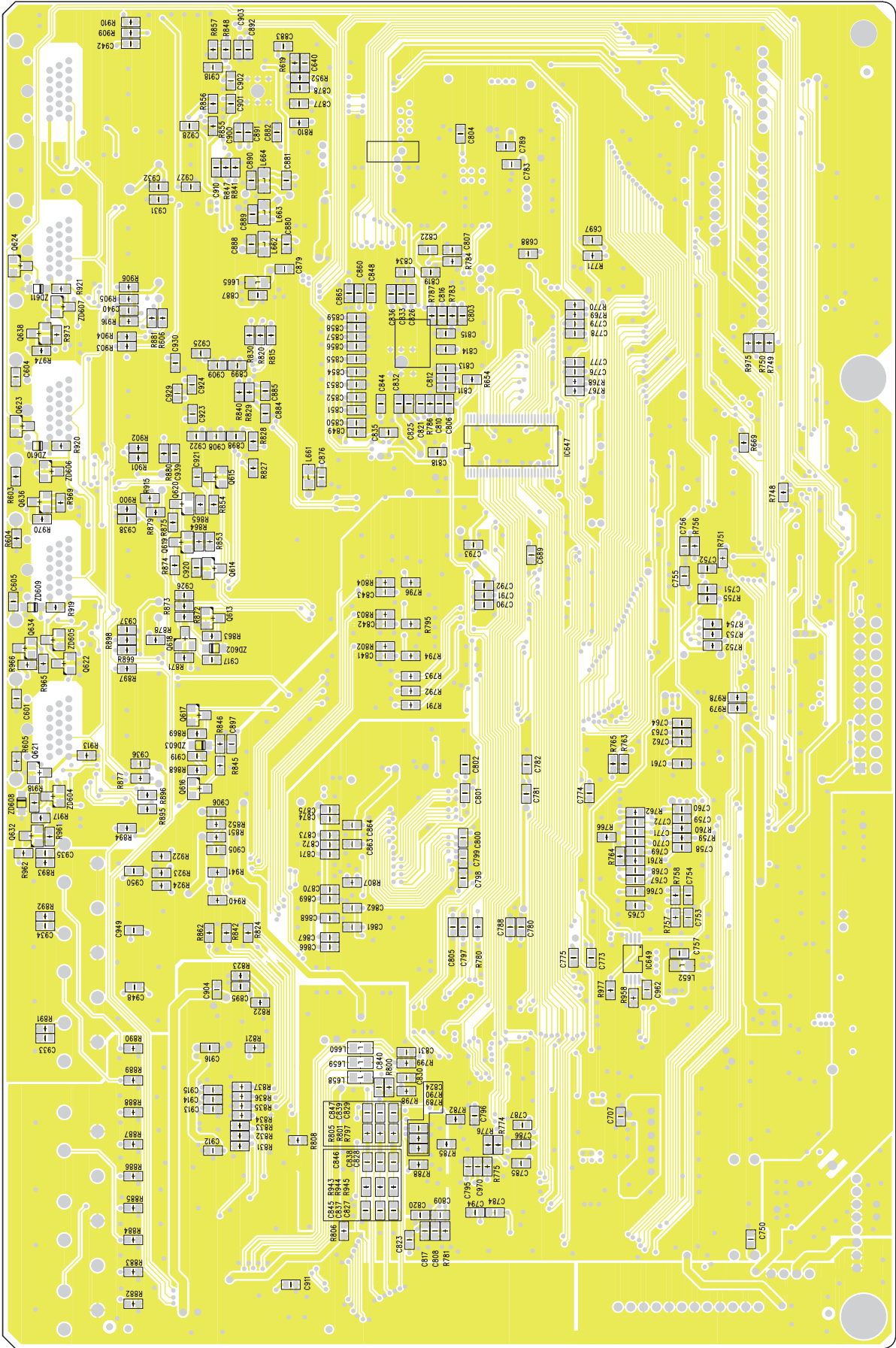


HDMI IN/OUT PCB 016 E-1488D00

Top View

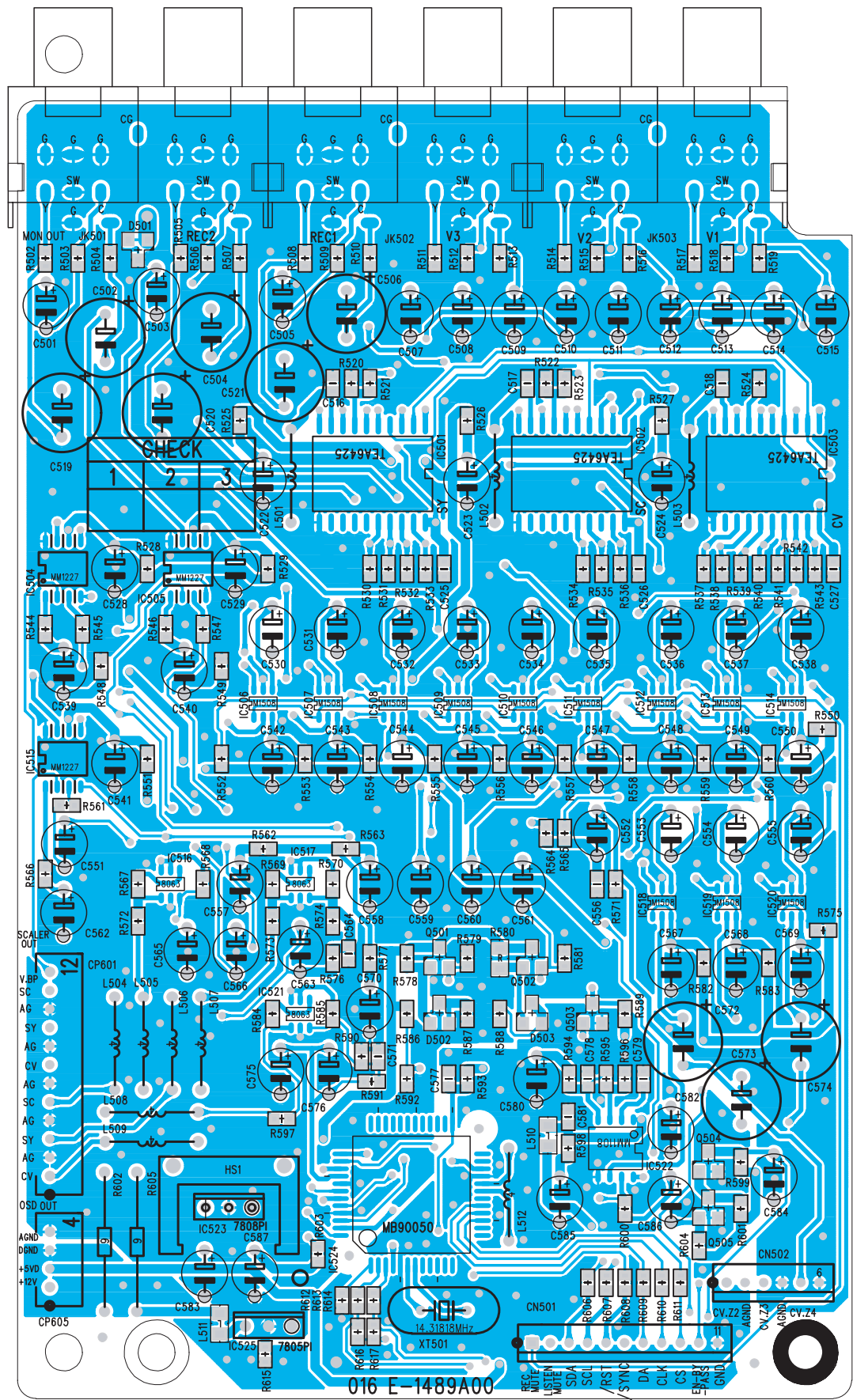


Bottom View

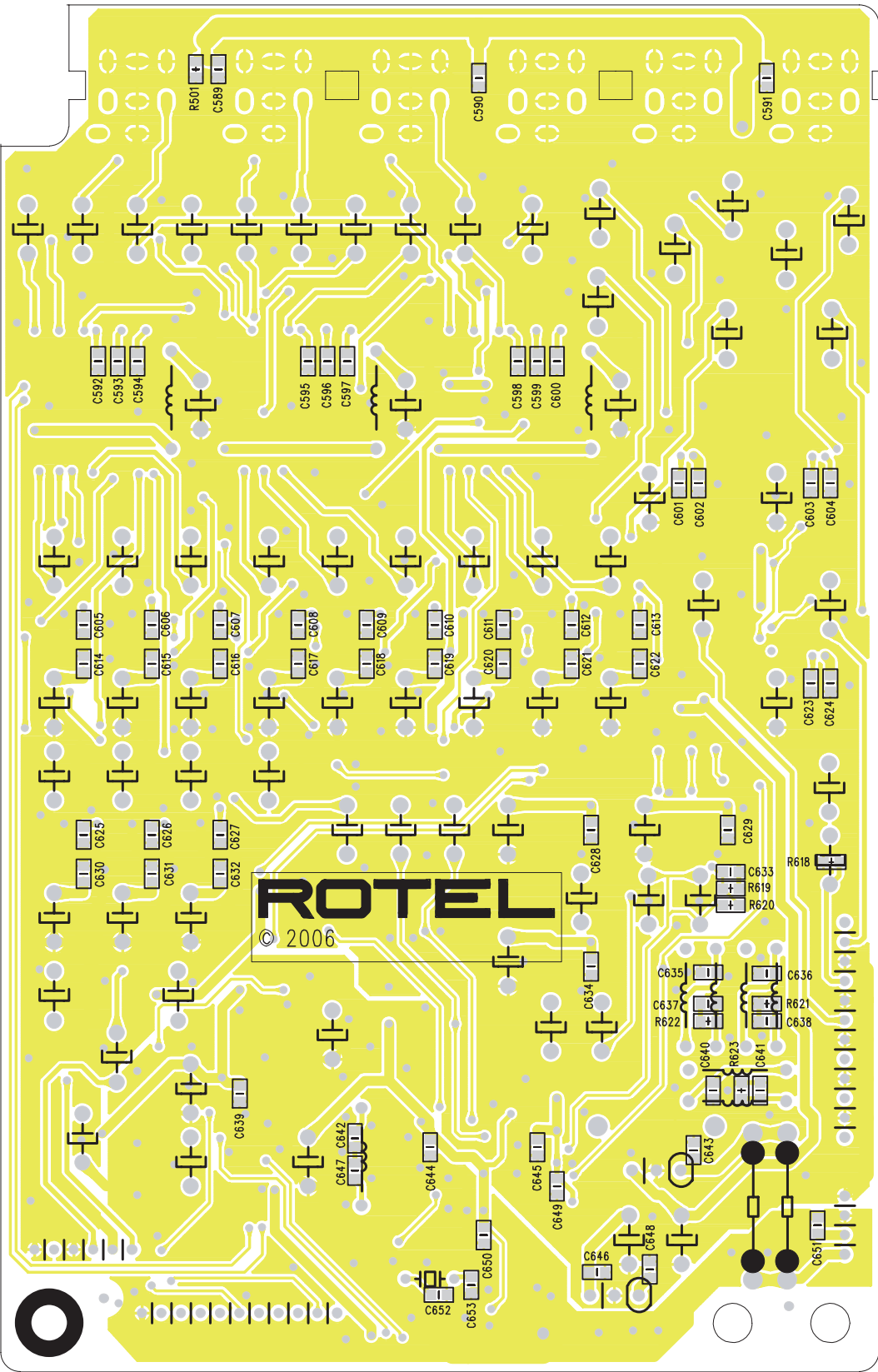


VIDEO PCB 016 E-1489A00

Top View

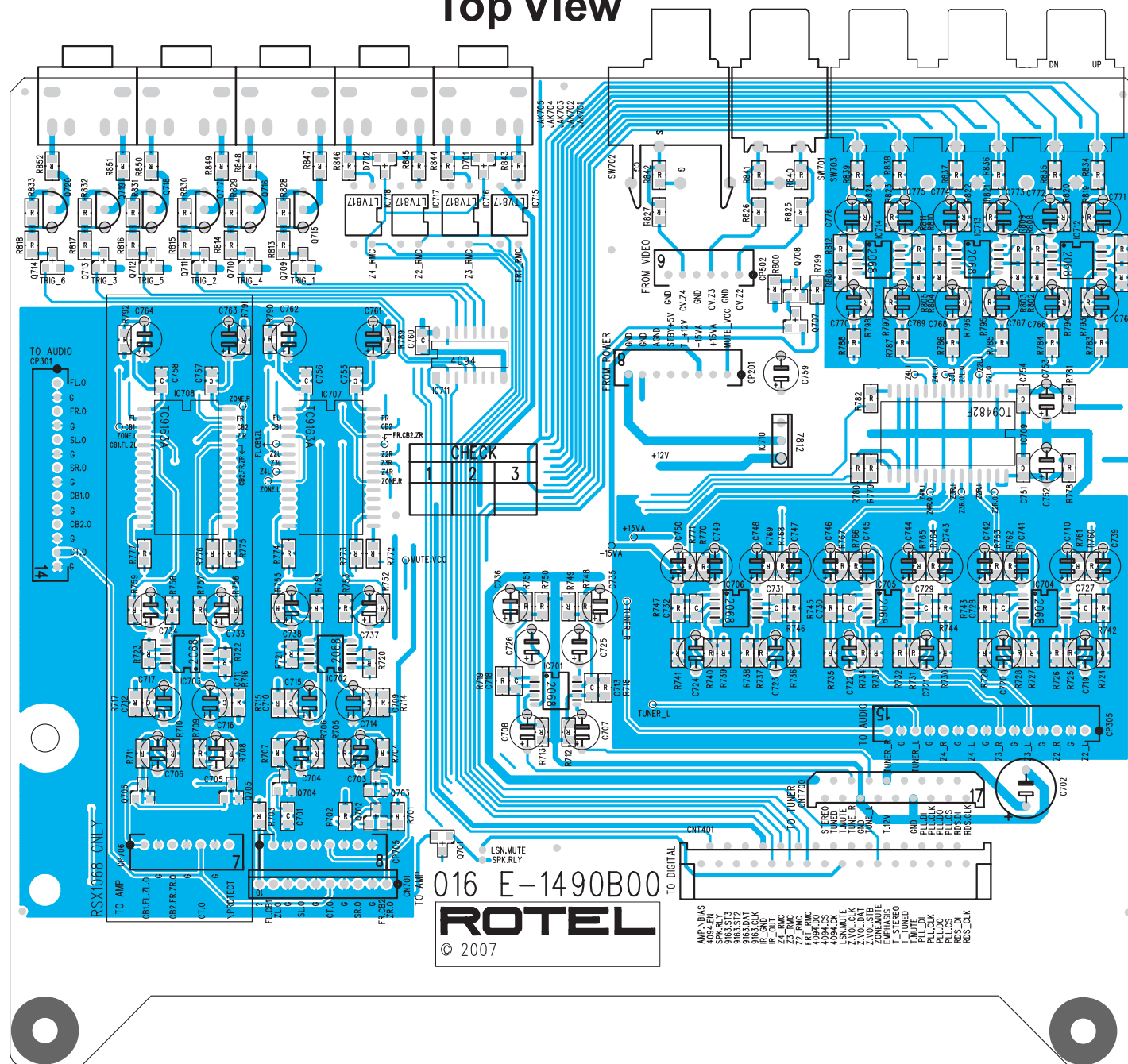


Bottom View

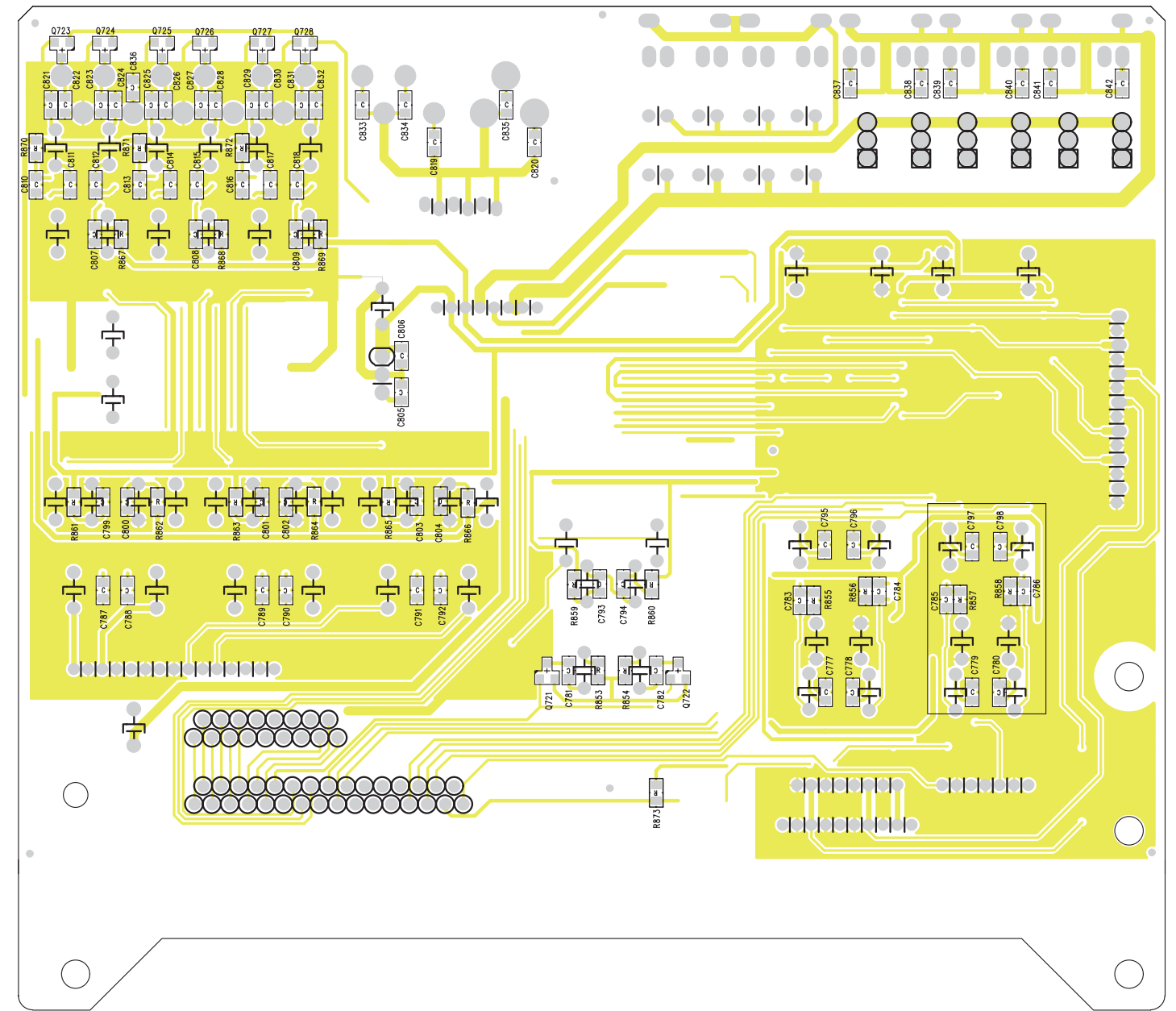


ZONE PCB 016 E-1490B00

Top View

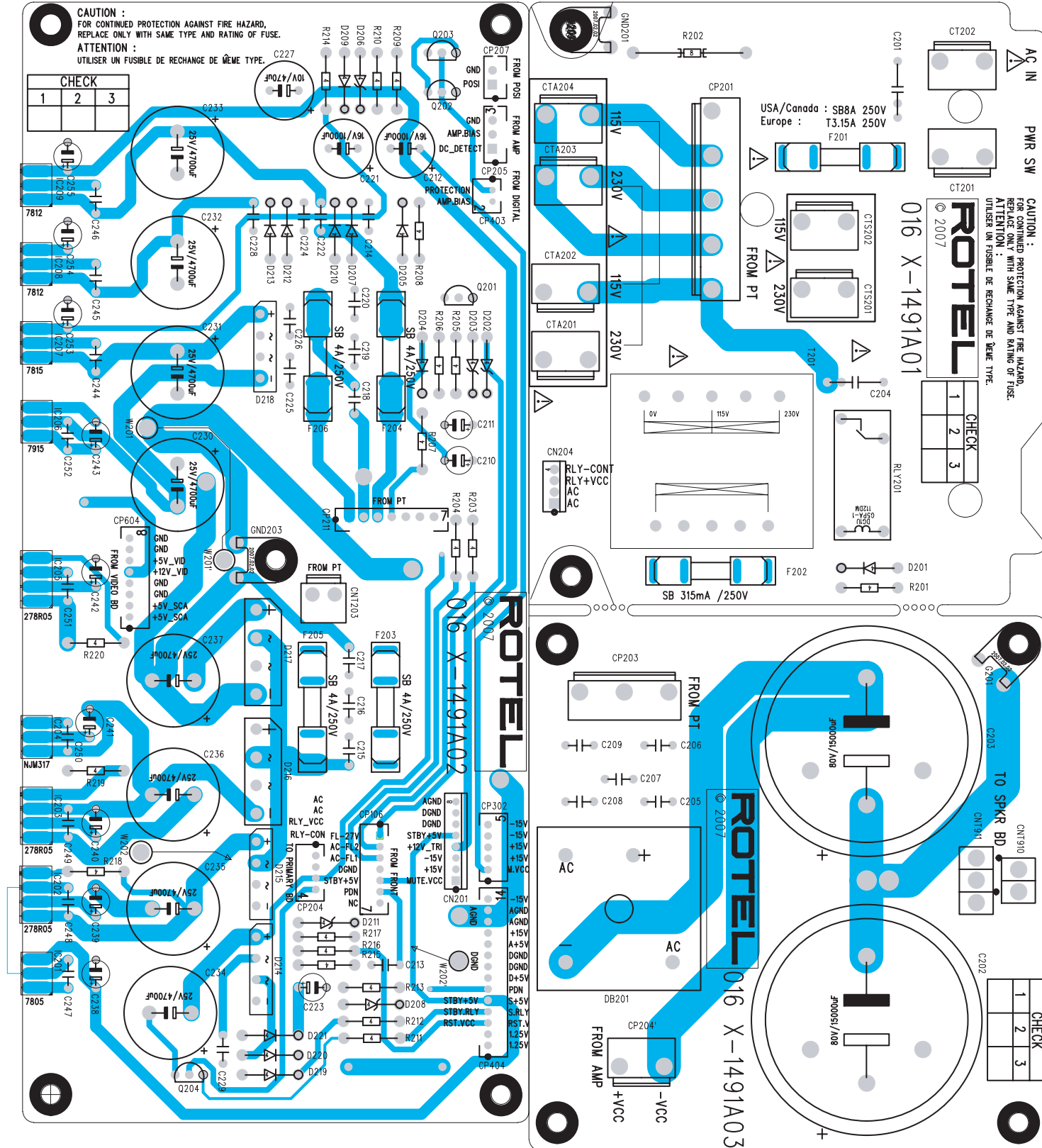


Bottom View

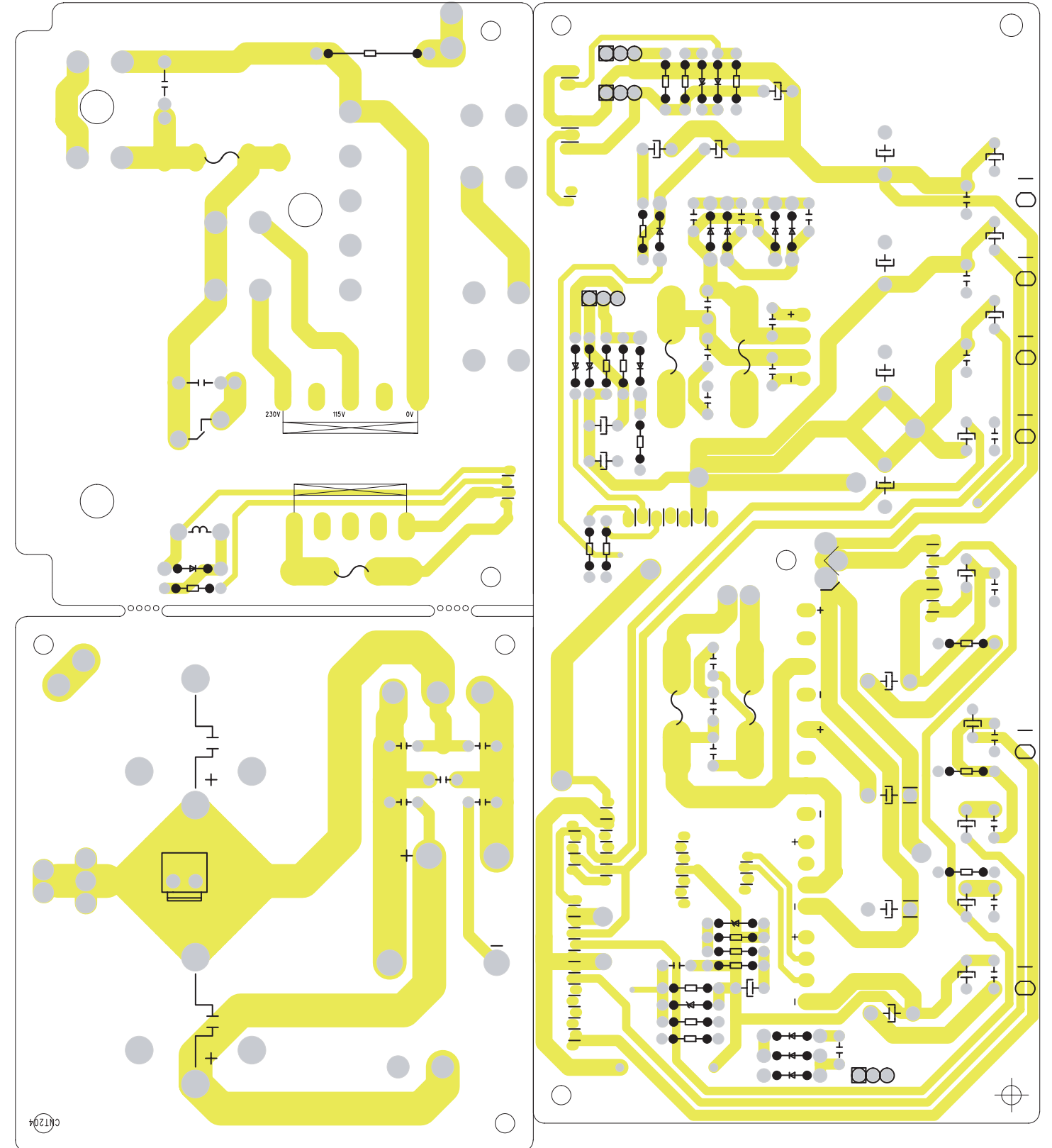


016 X-1491A01~03

Top View

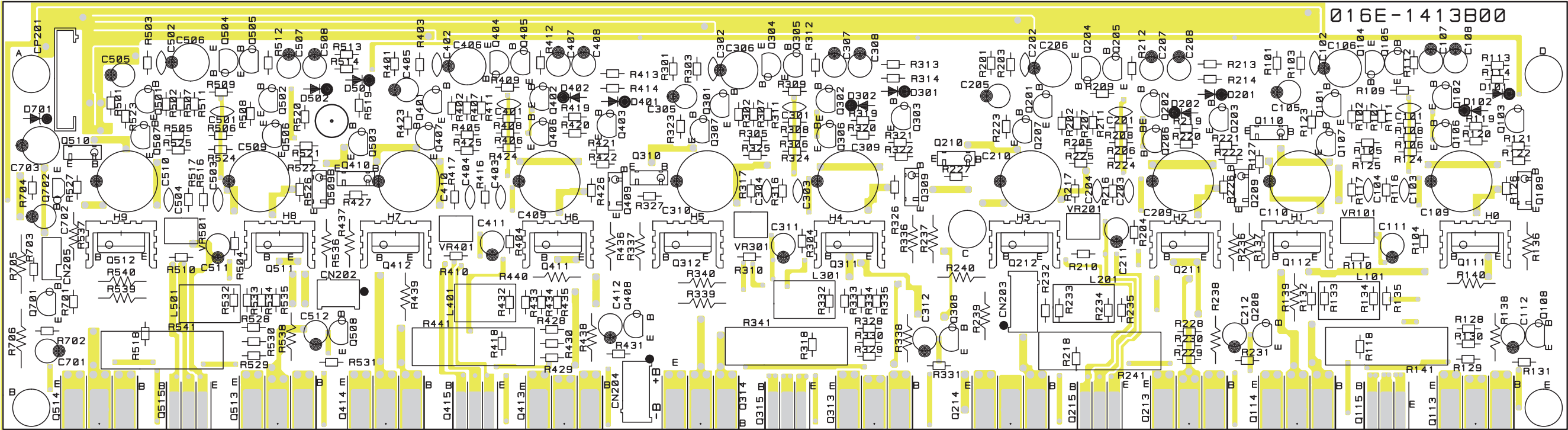


Bottom View

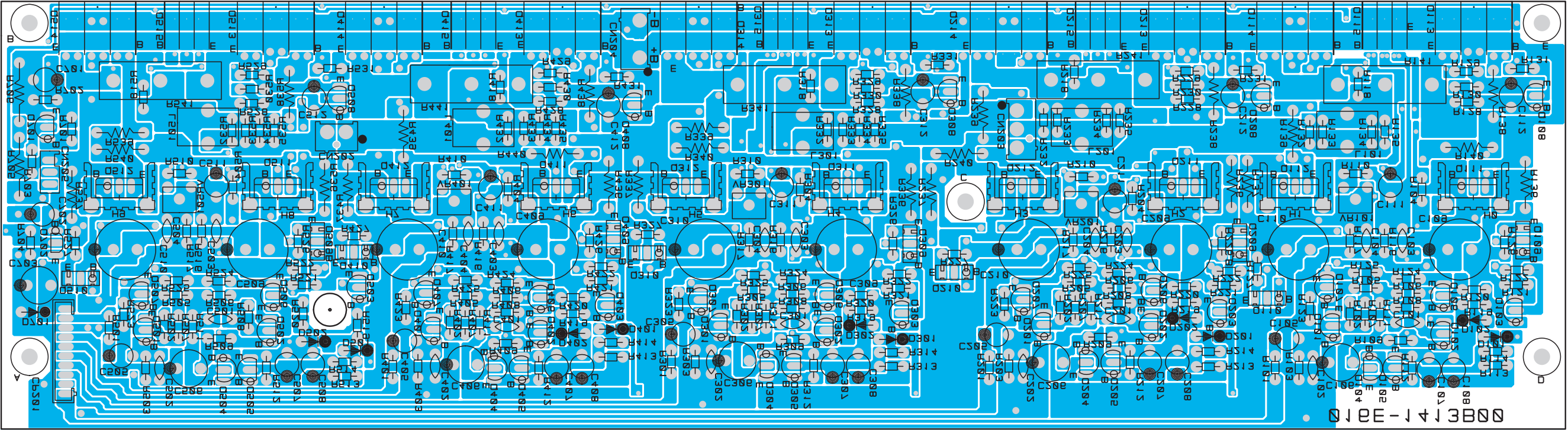


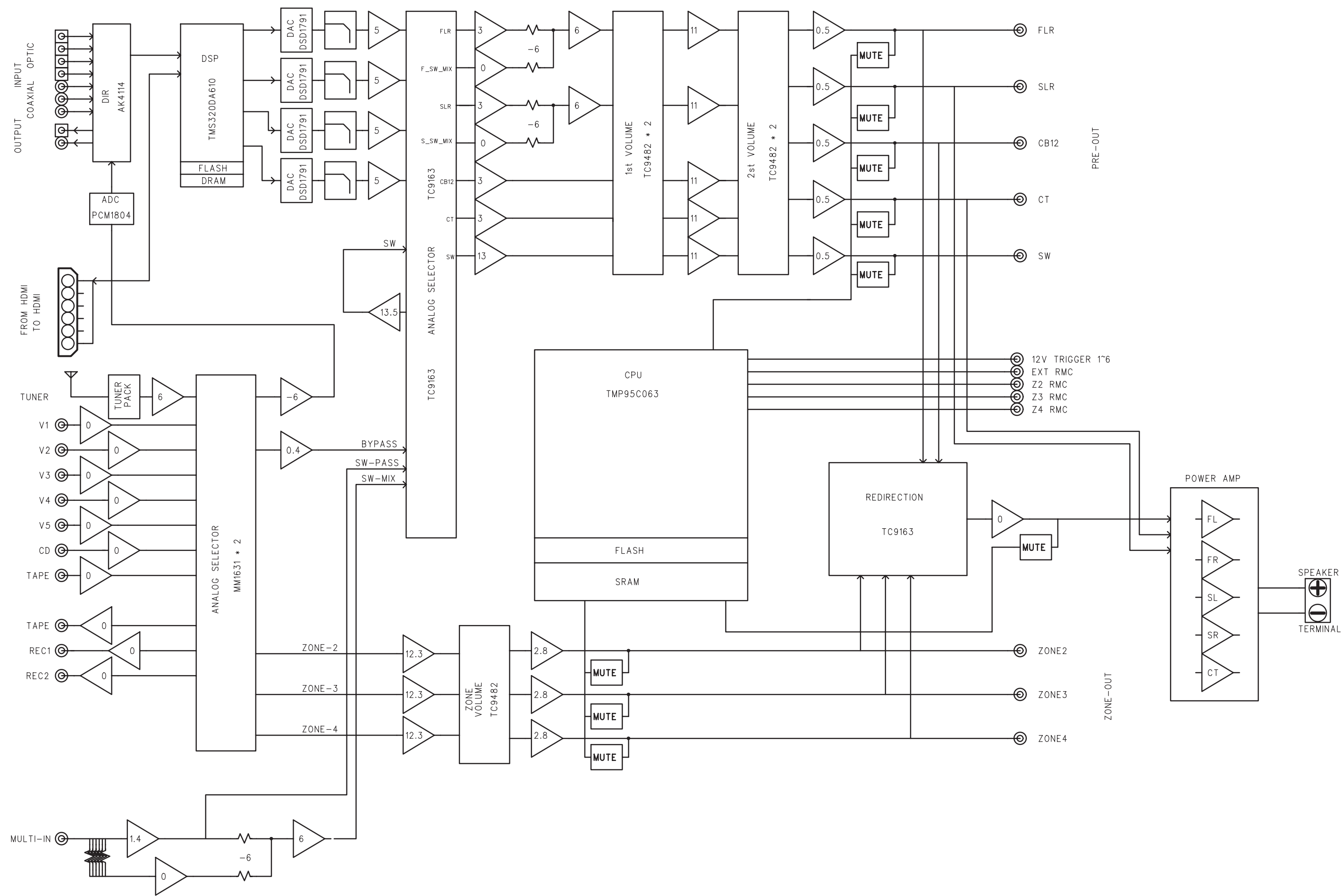
Power Amplifier 016 E-1413B00

TOP VIEW

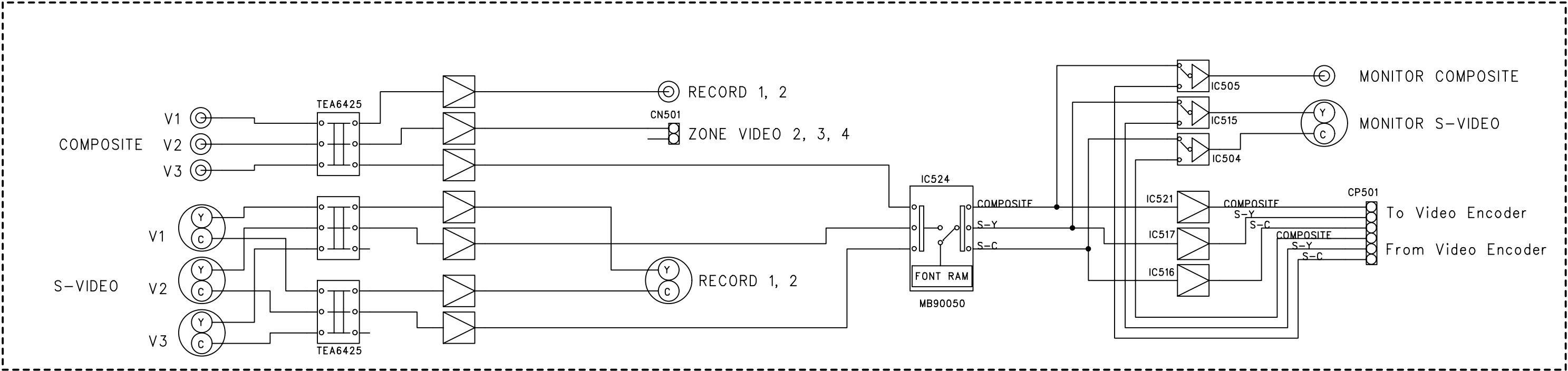


BOTTOM VIEW

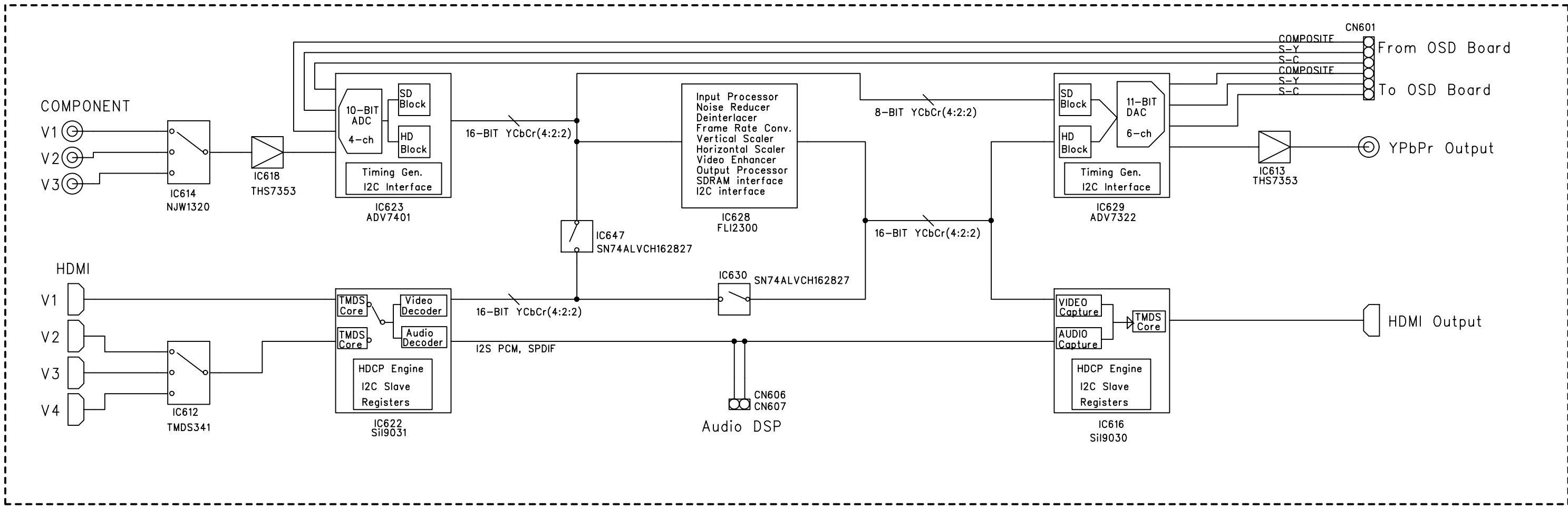




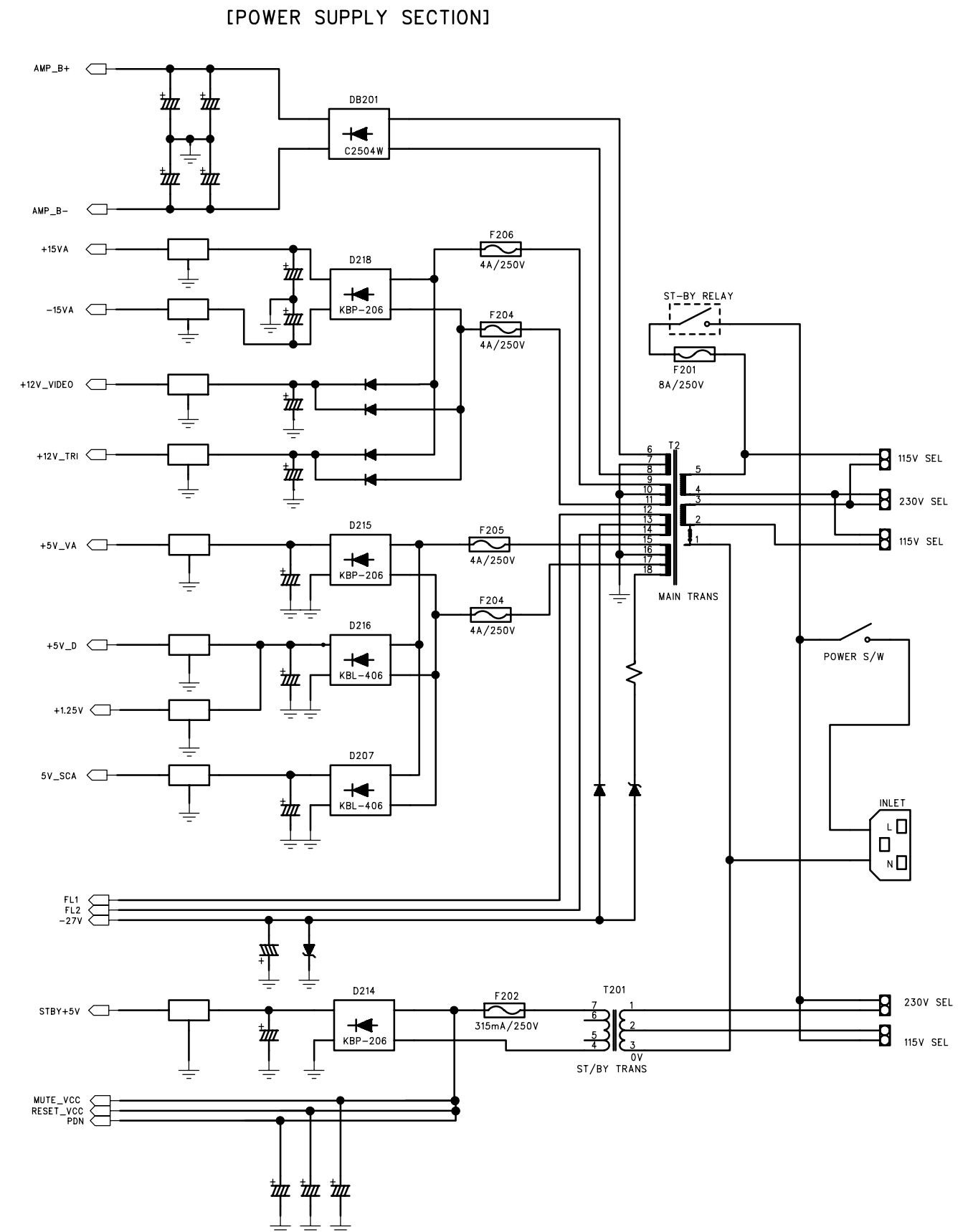
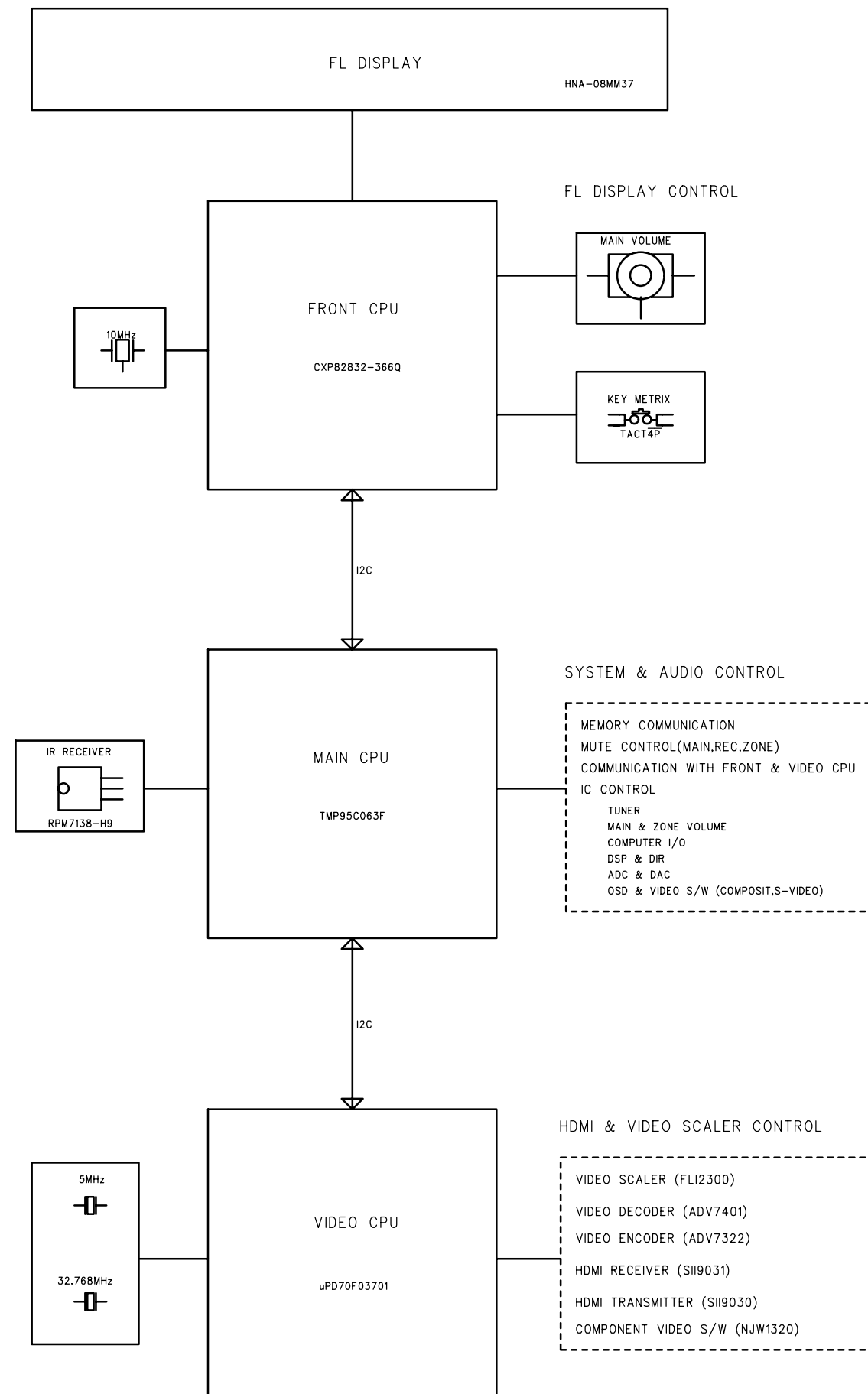
Video PCB 016 E-1488B



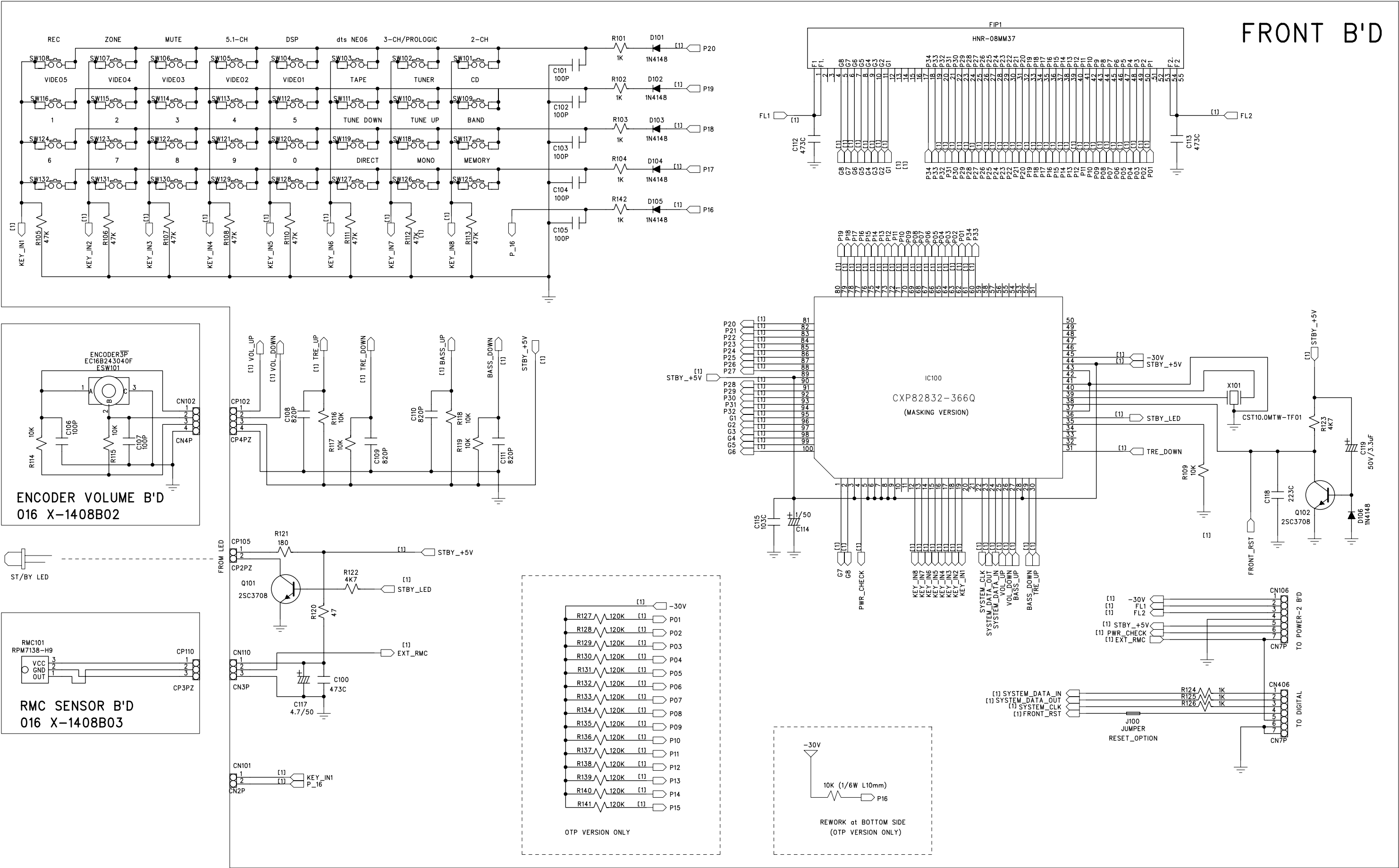
HDMI PCB 016 E-1489D



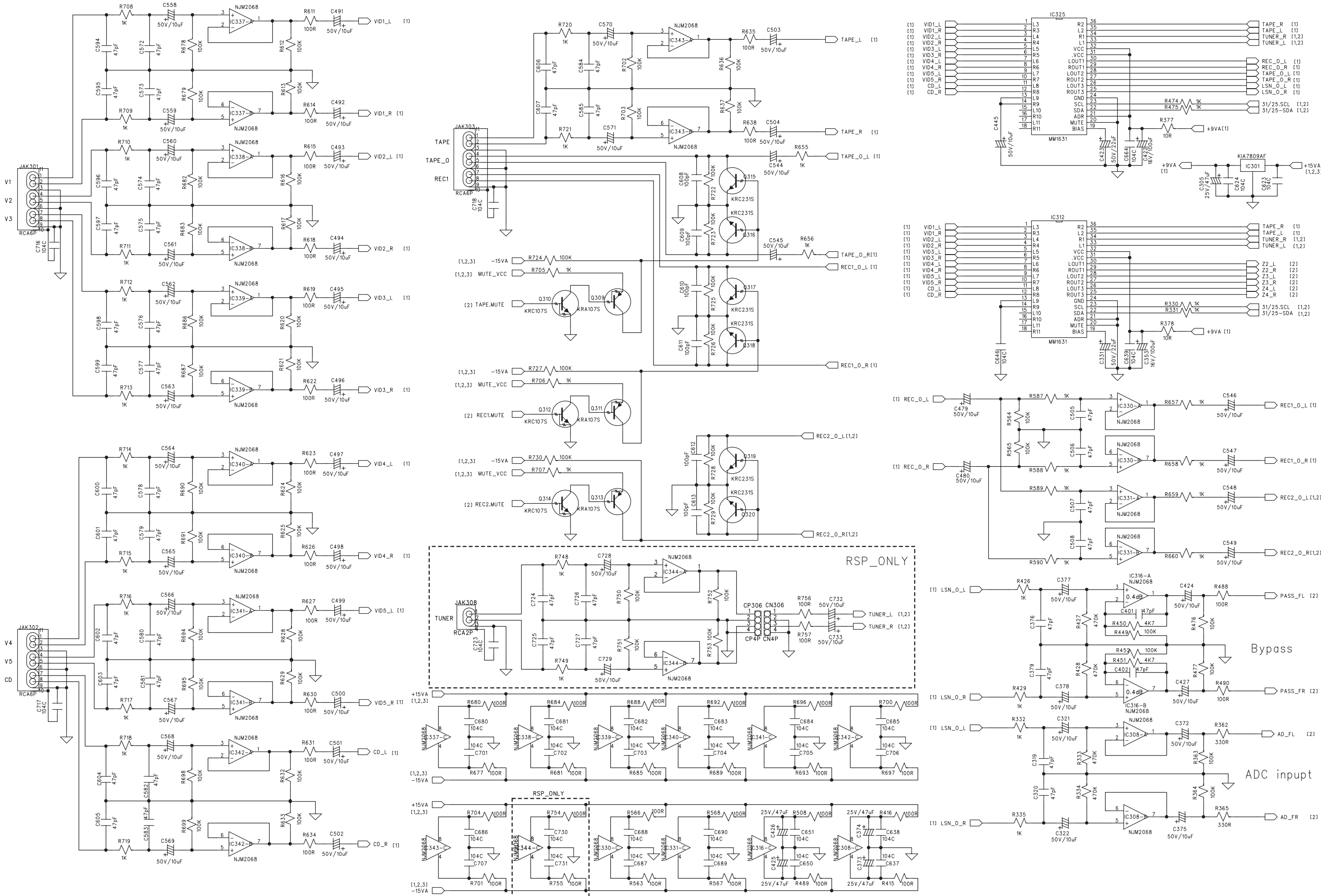
POWER & CONTROL PART



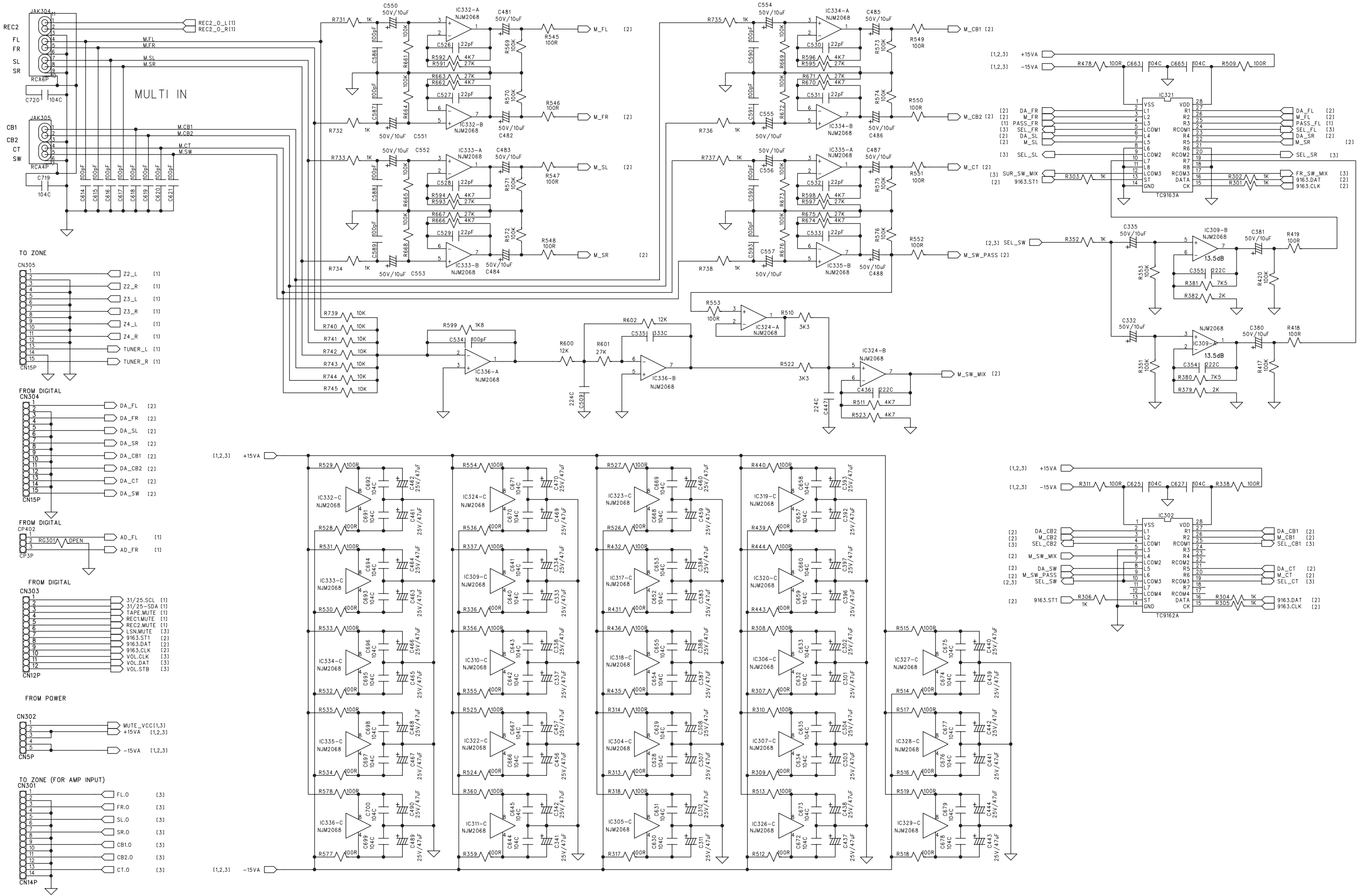
FRONT PCB 016 X-1408B01~03



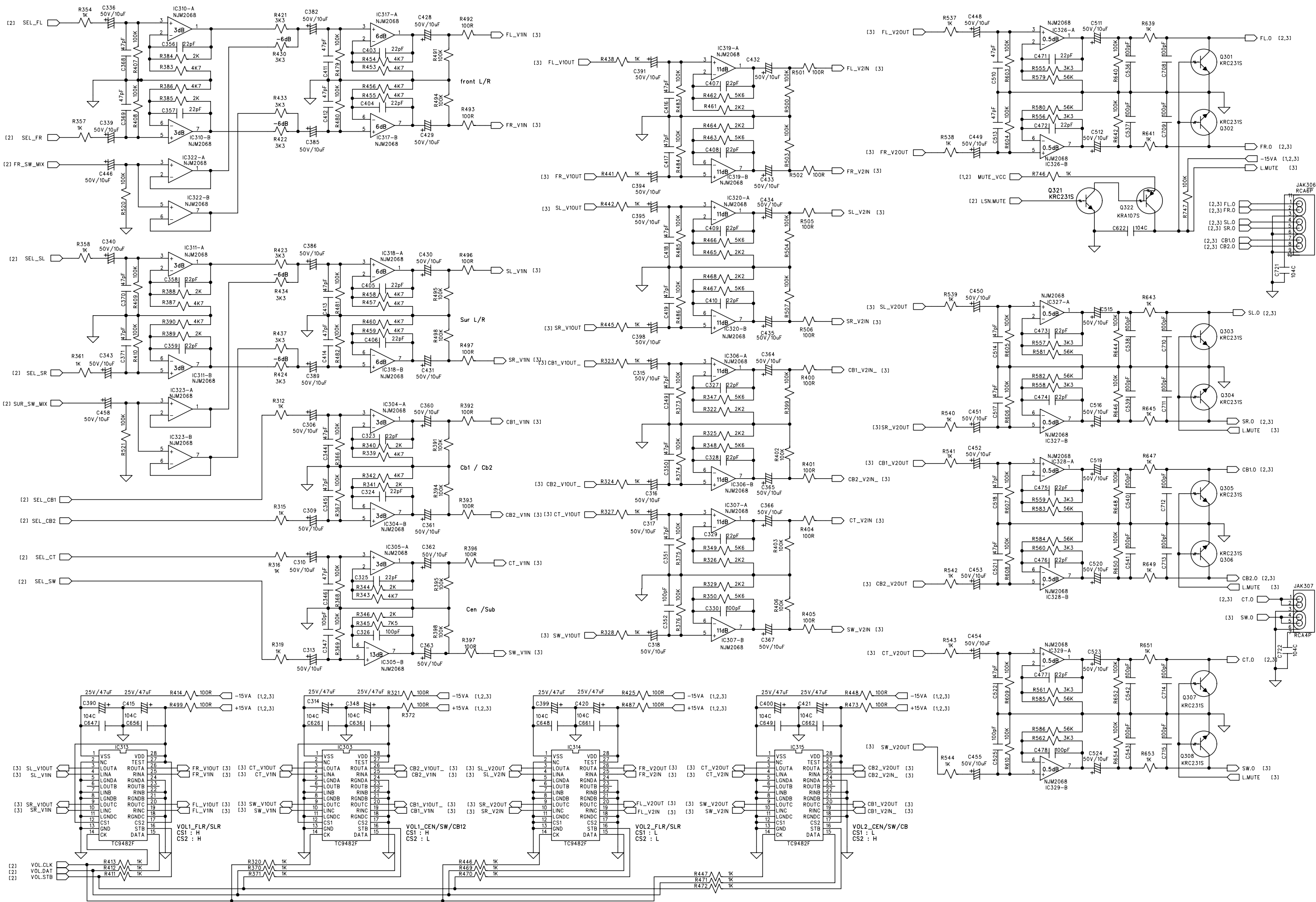
AUDIO PCB (1/3) 016 E-1486B00



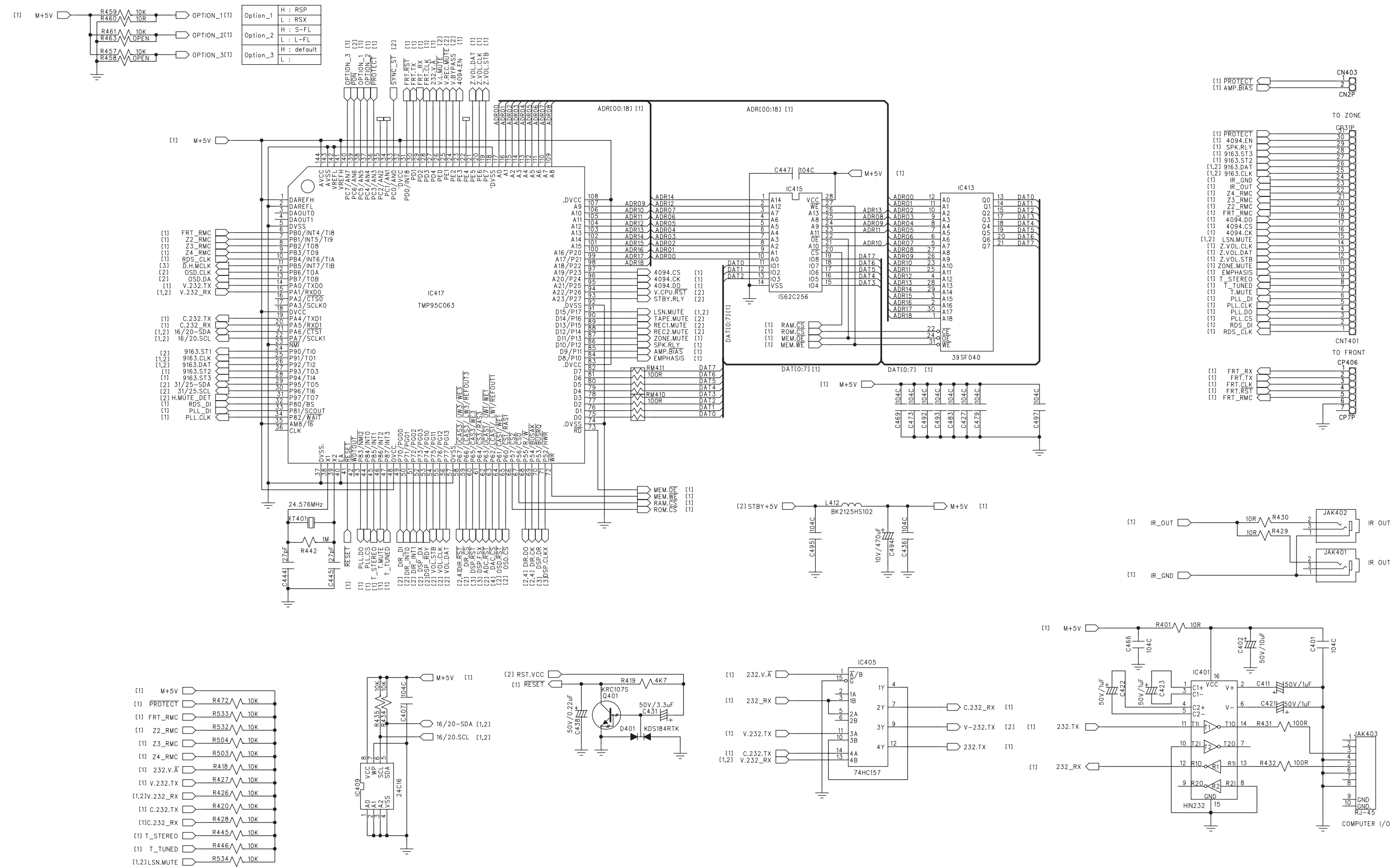
AUDIO PCB (2/3) 016 E-1486B00



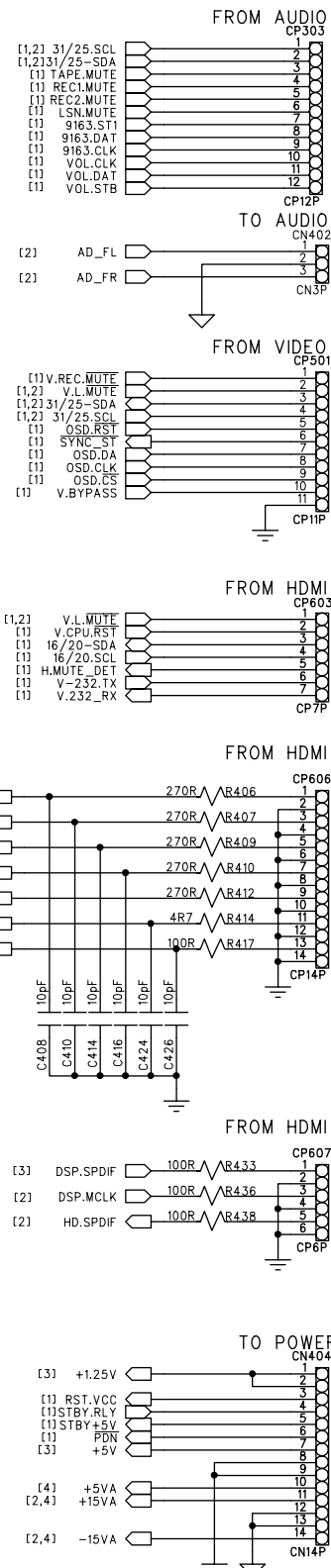
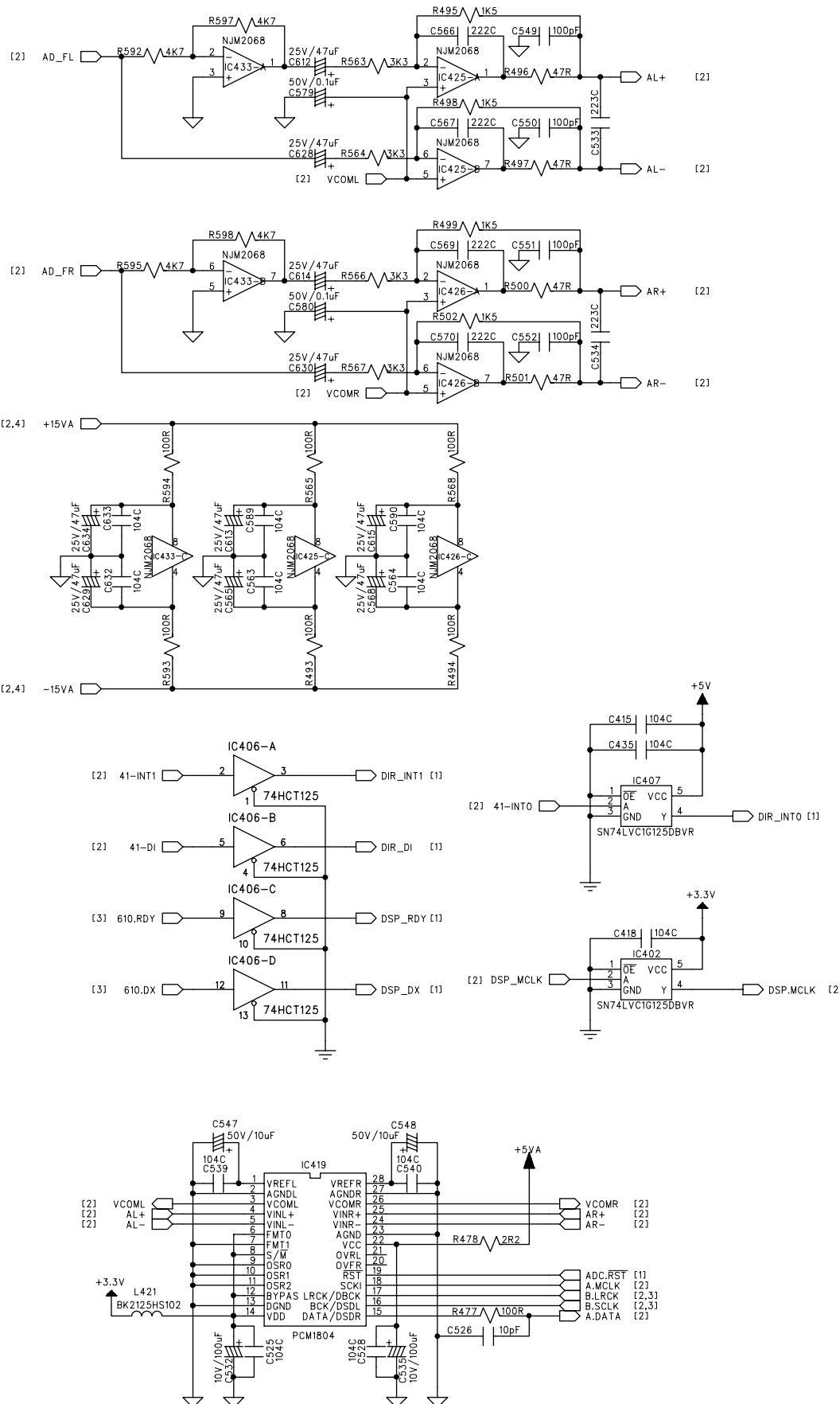
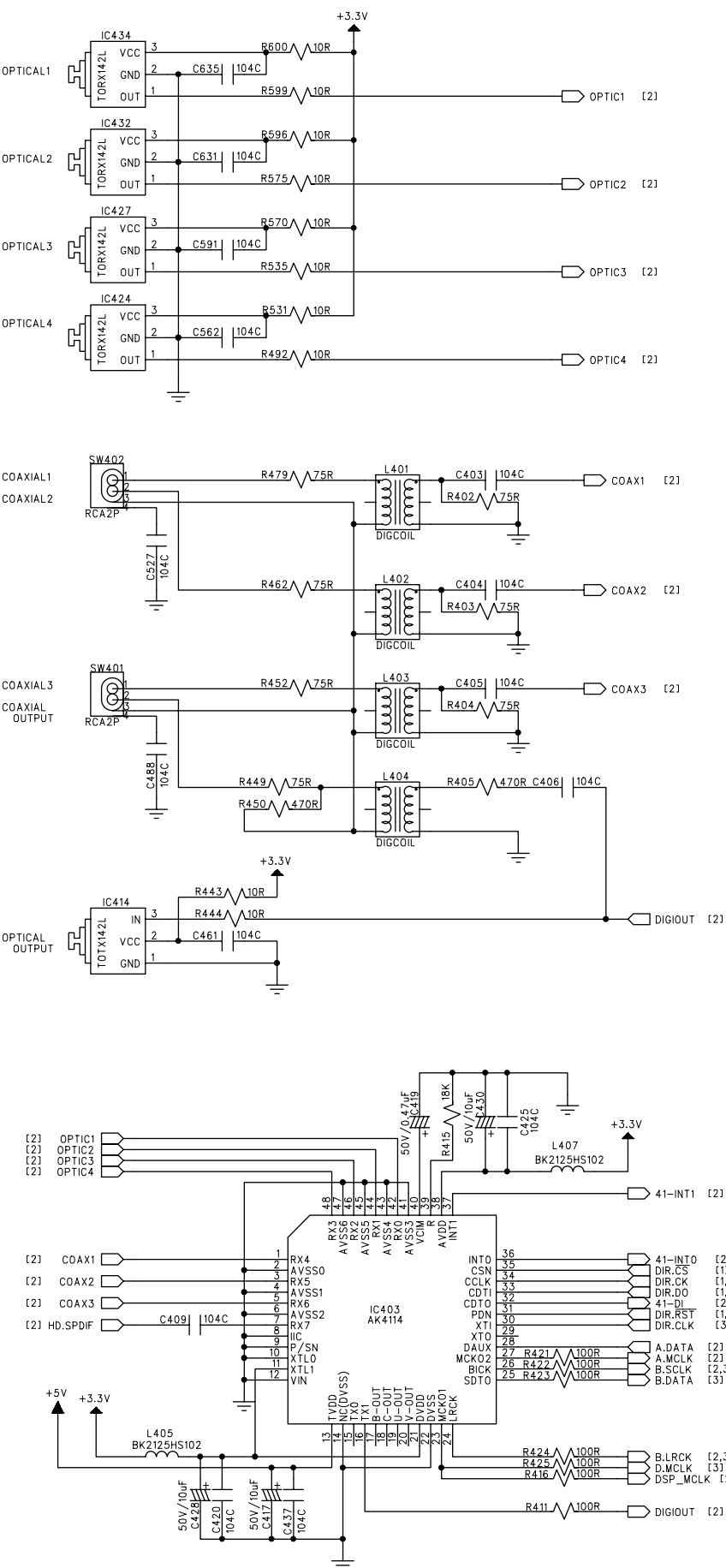
AUDIO PCB (3/3) 016 E-1486B00



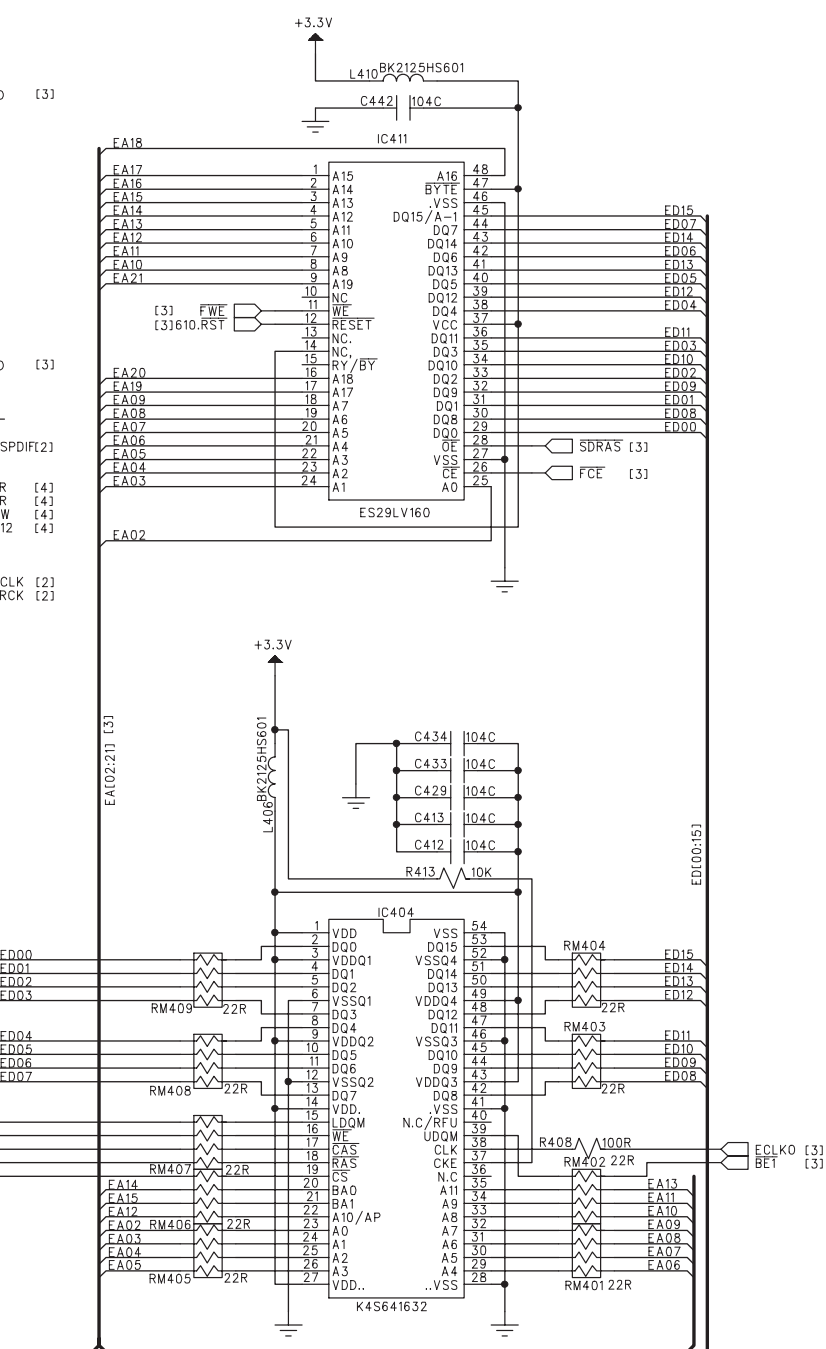
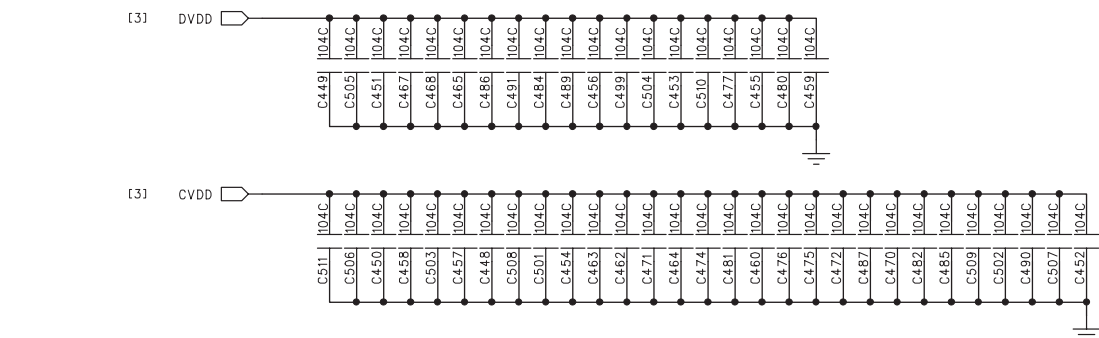
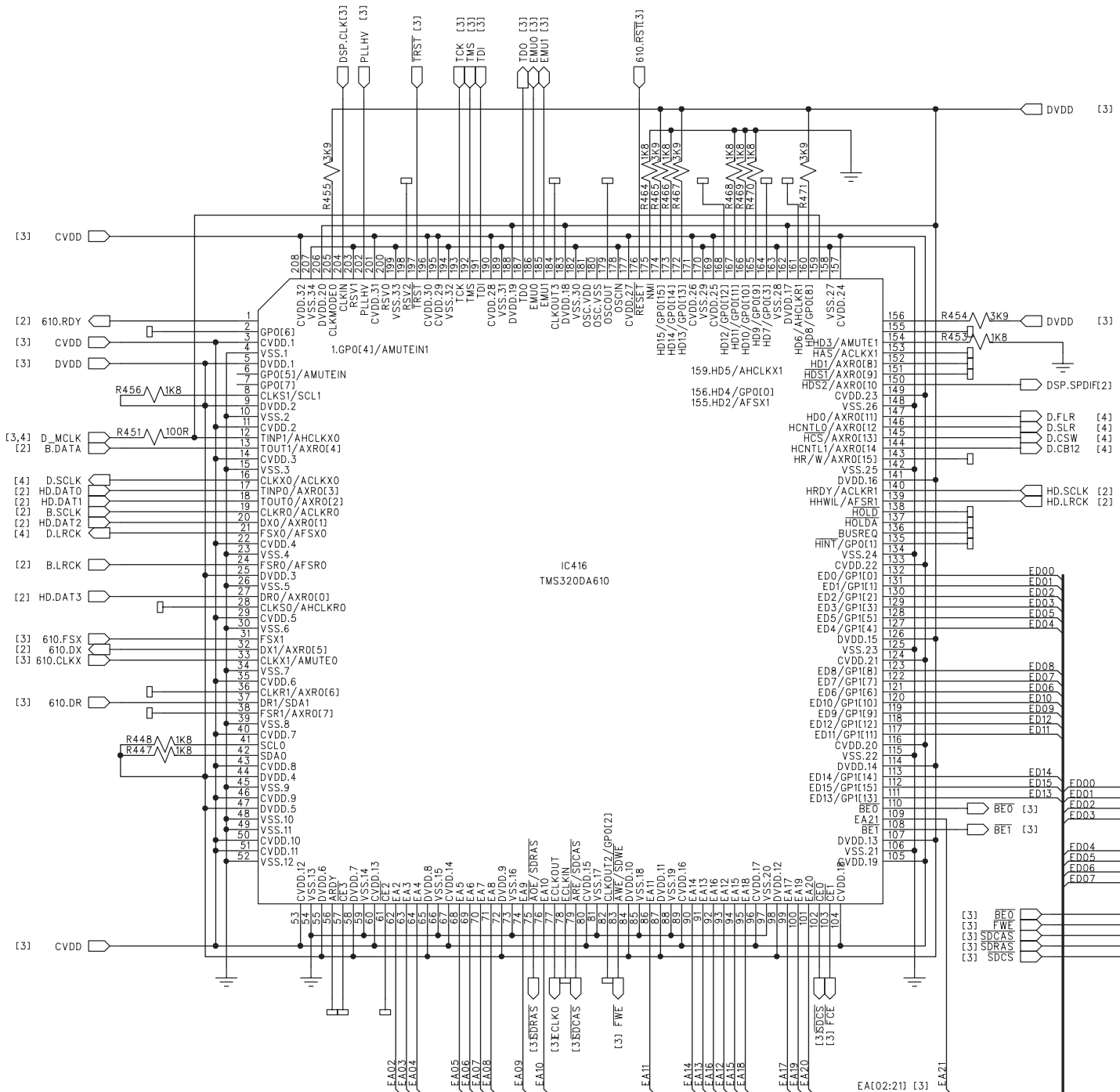
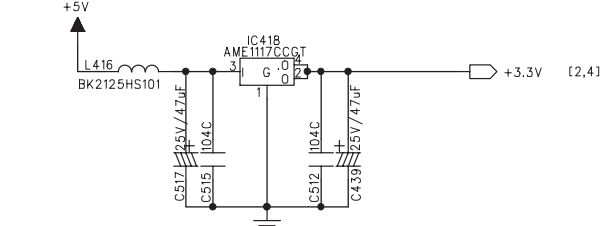
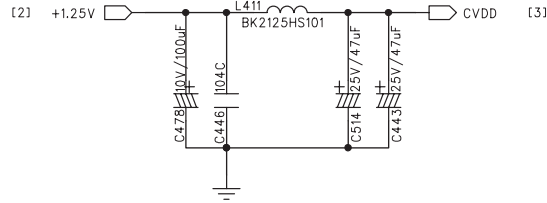
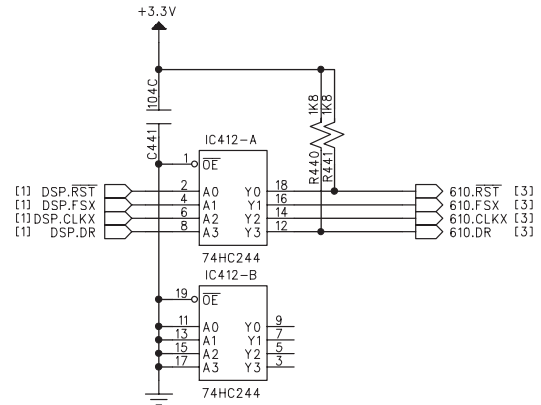
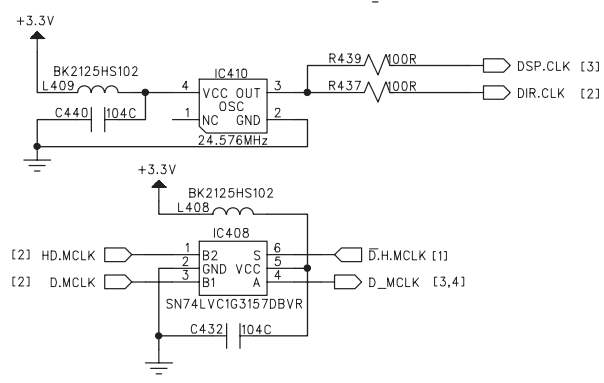
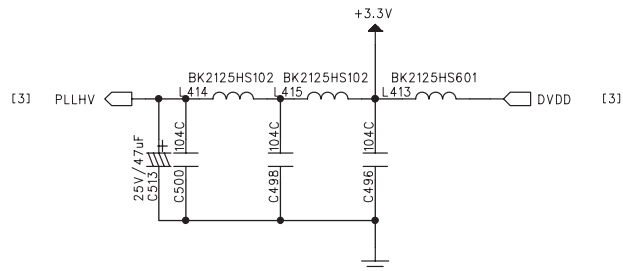
DIGITAL PCB (1/4) 016 E-1487A00



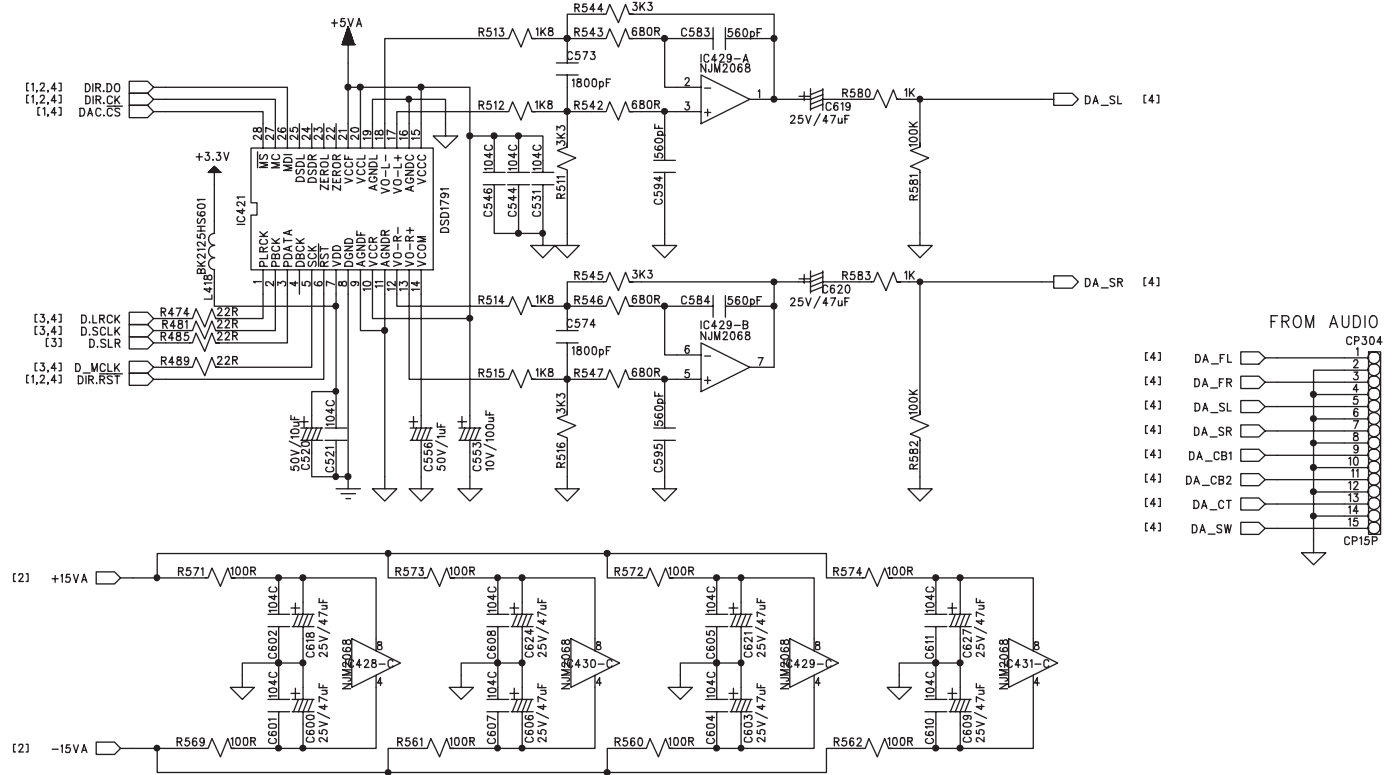
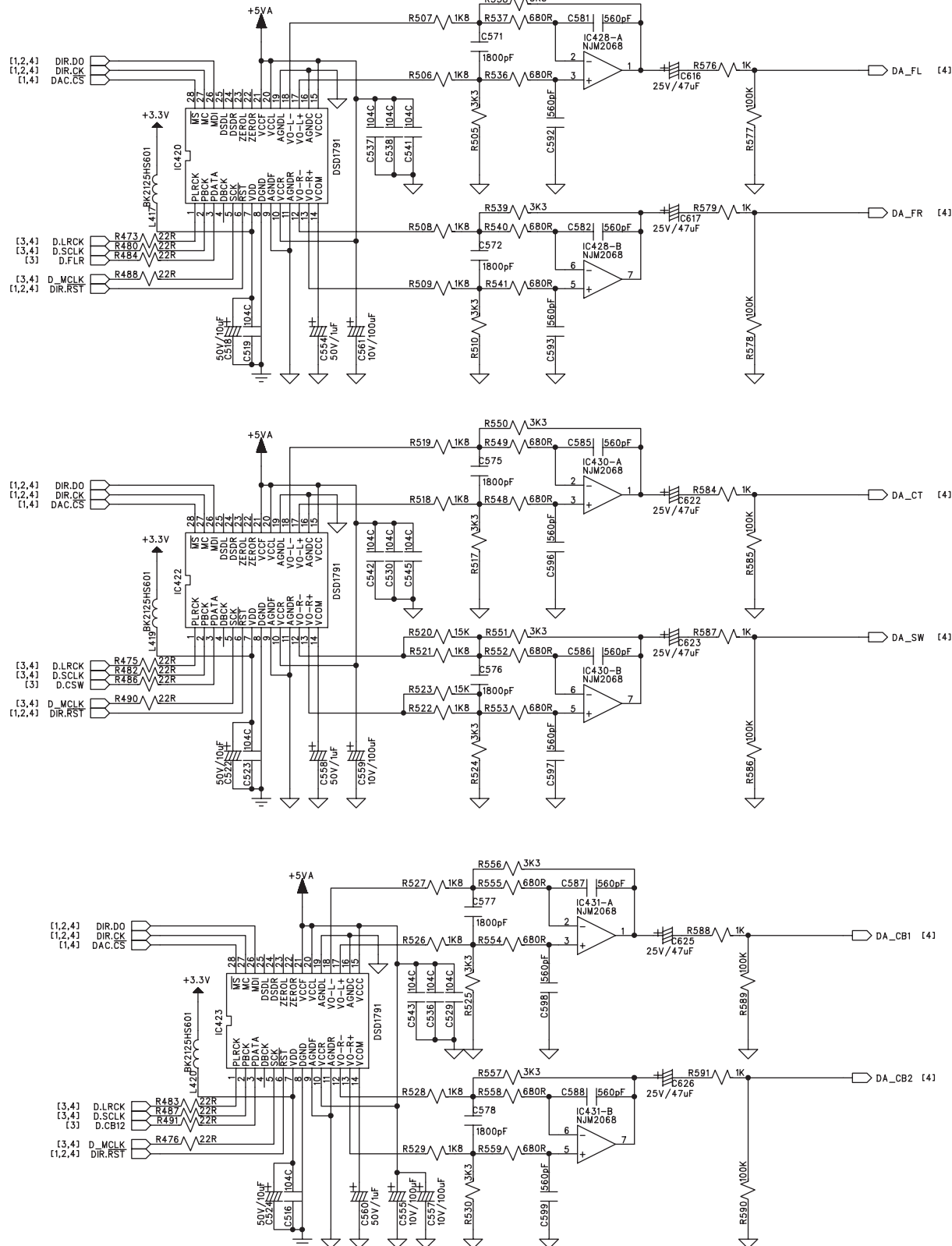
DIGITAL PCB (2/4) 016 E-1487A00



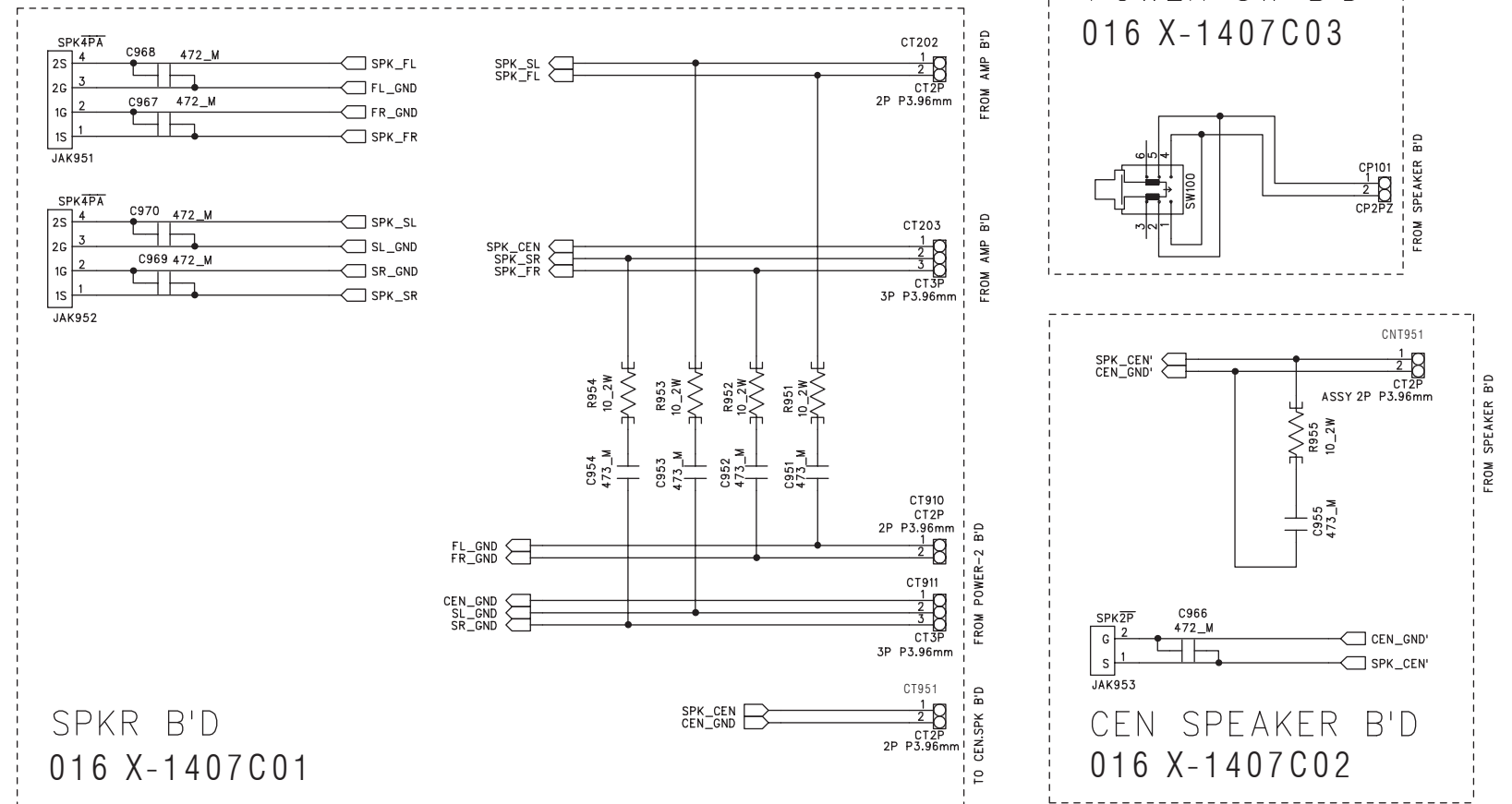
Pin connection diagram for the CB401 JTAG interface. The diagram shows a 14-pin connector labeled CB401 and JTAG. Pin 1 is TMS, Pin 2 is TRST, Pin 3 is TD1, Pin 4 is GND, Pin 5 is TDO, Pin 6 is NC, Pin 7 is GND, Pin 8 is TCK, Pin 9 is TCKRET, Pin 10 is GND, Pin 11 is EMU0, Pin 12 is GND, Pin 13 is EMU1, and Pin 14 is GND. A +3.3V supply is connected to pin 1. The diagram is labeled with [3] on the left and right sides.



016 E-1487A00

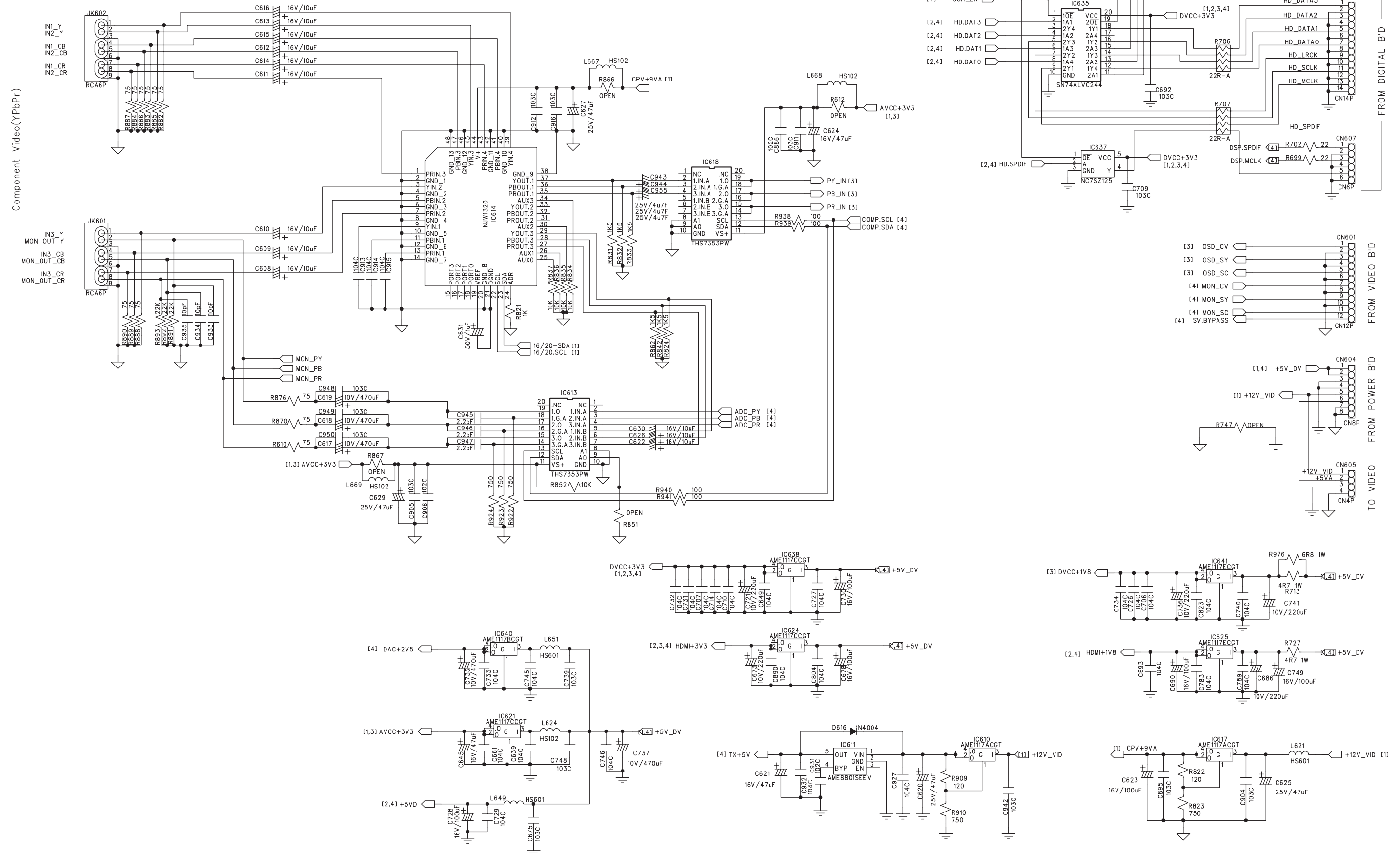


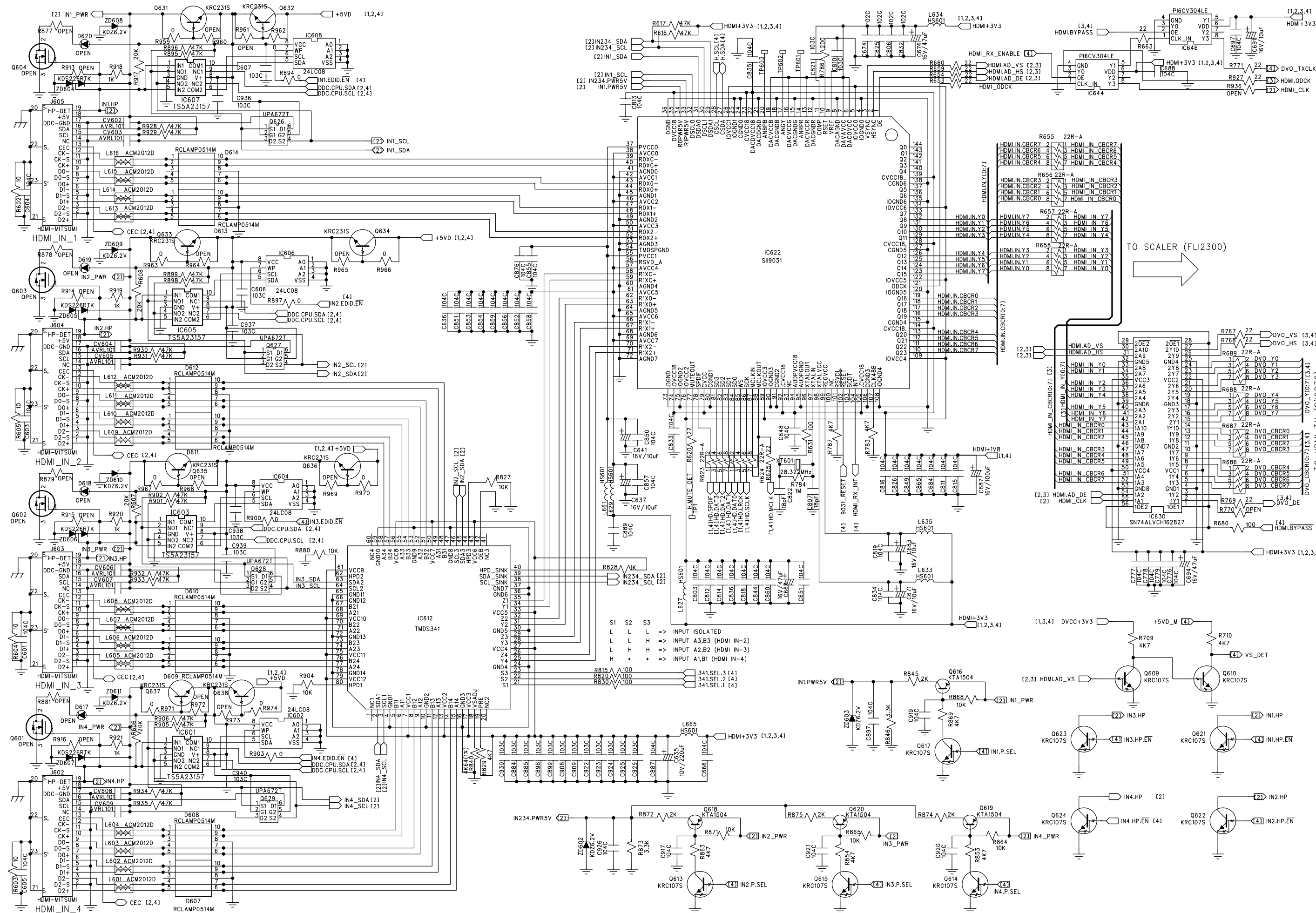
SPEAKER PCB 016 X-1407C01~03



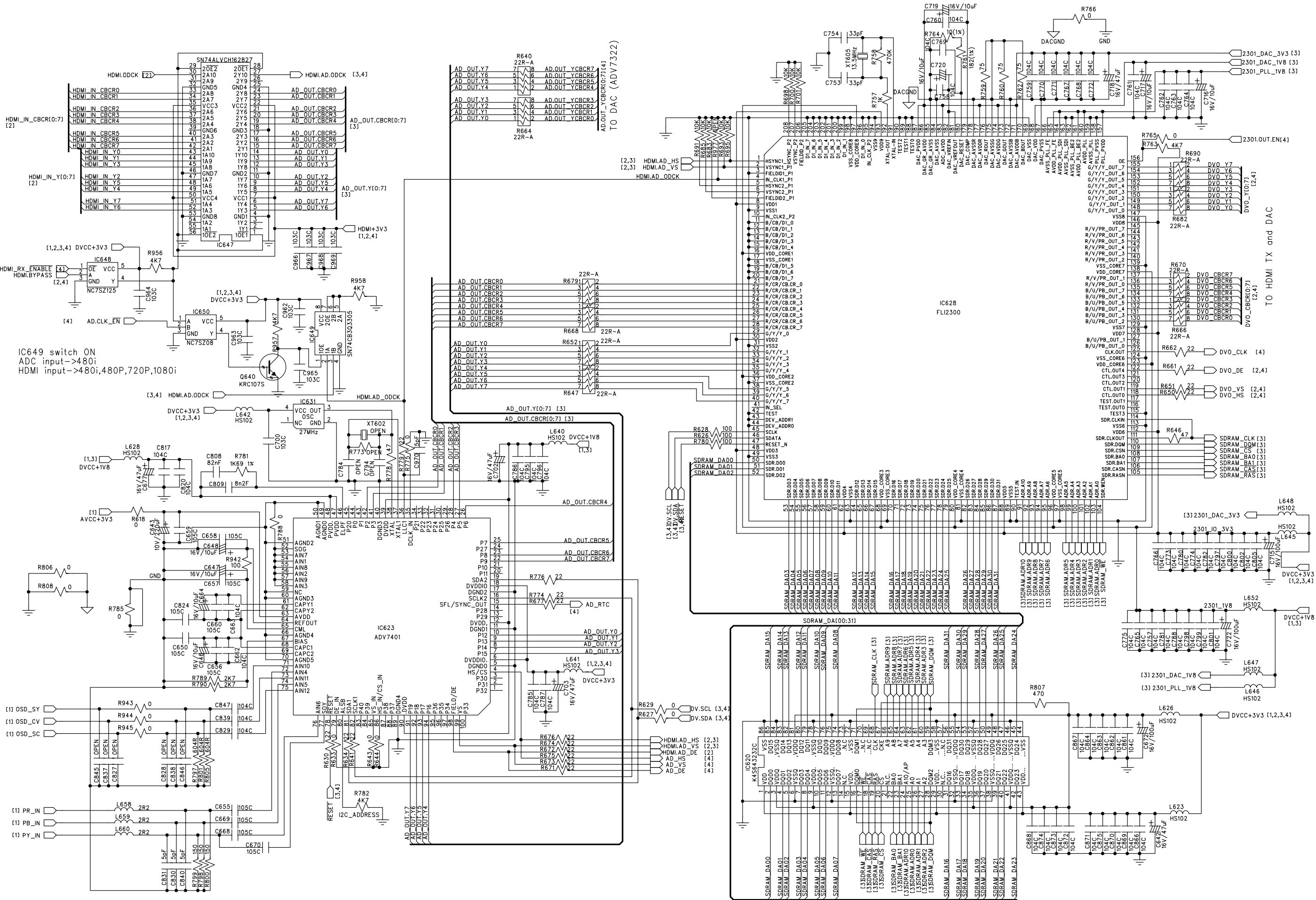
Schematic Diagram 9/19

HDMI PCB (1/4) 016 E-1488D00

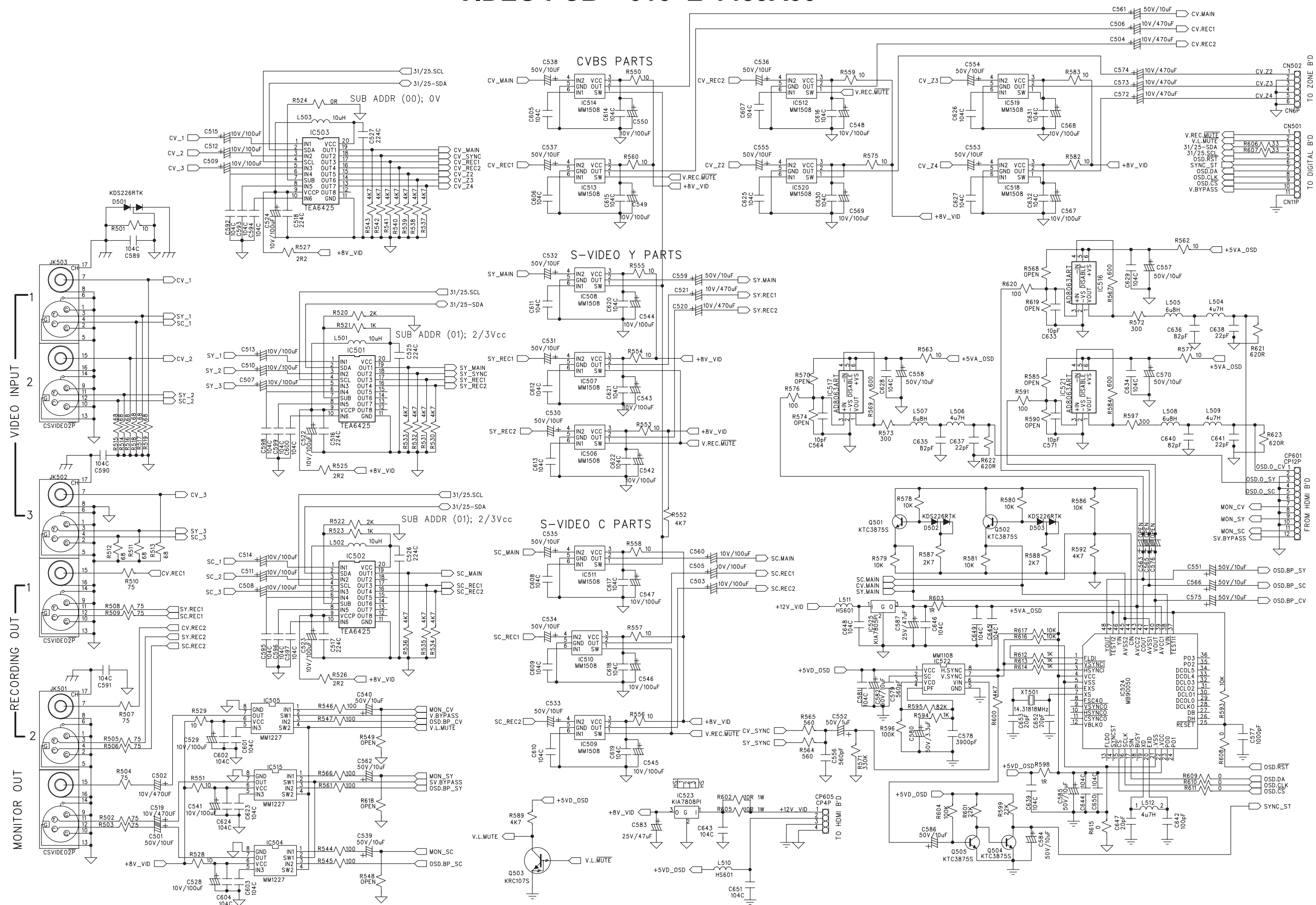
RSX-1058



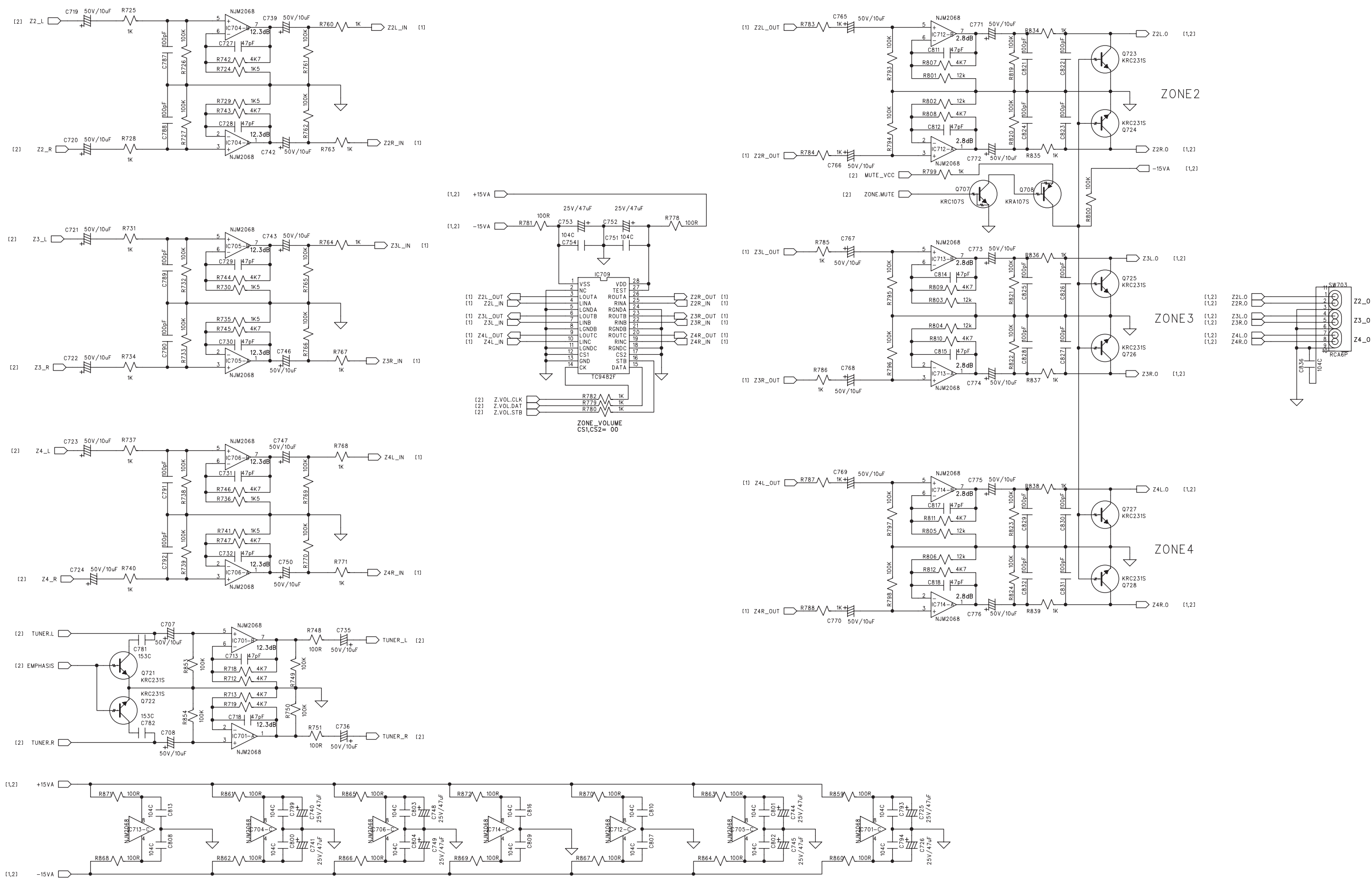
HDMI PCB (3/4) 016 E-1488D00



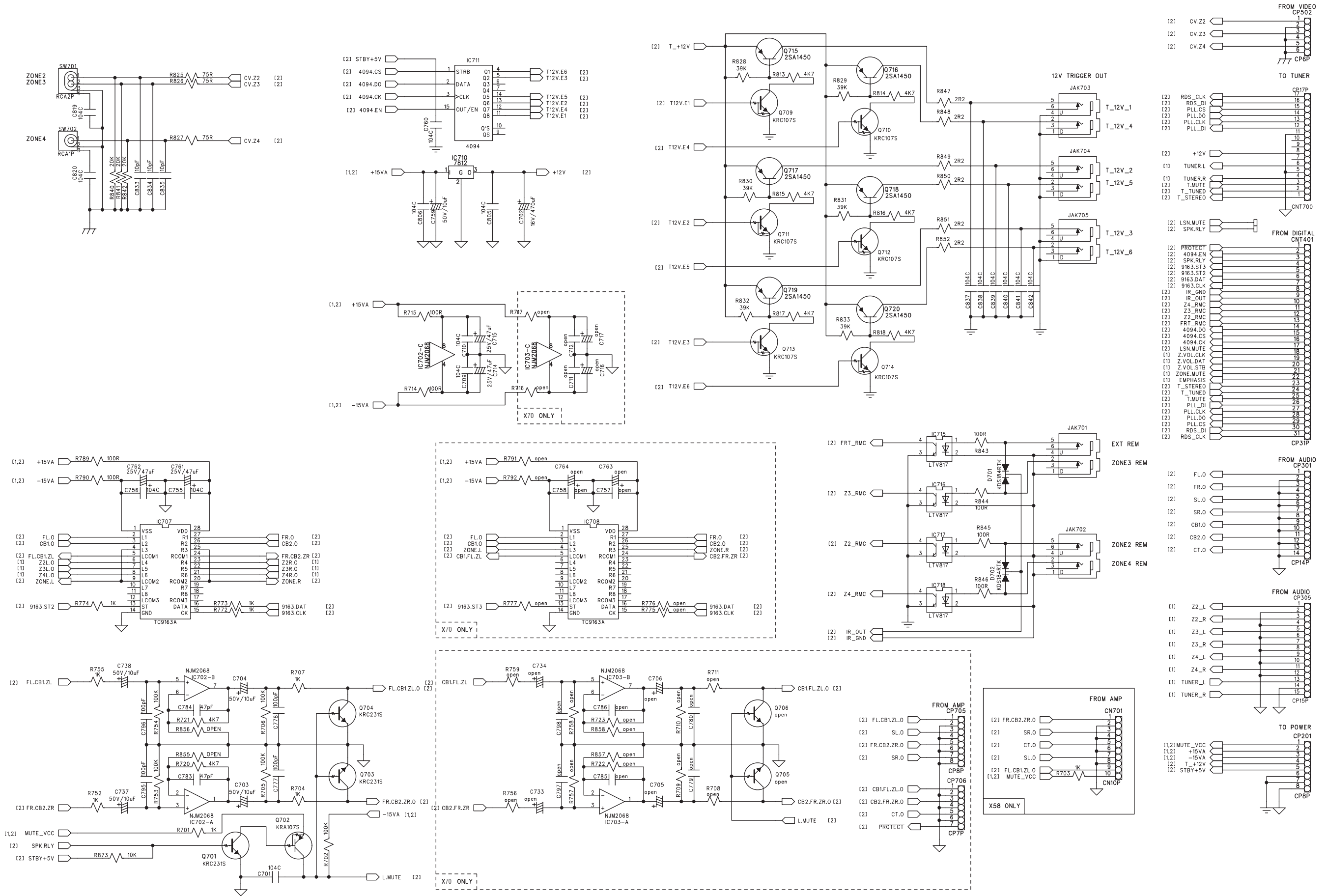
VIDEO PCB 016 E-1489A00



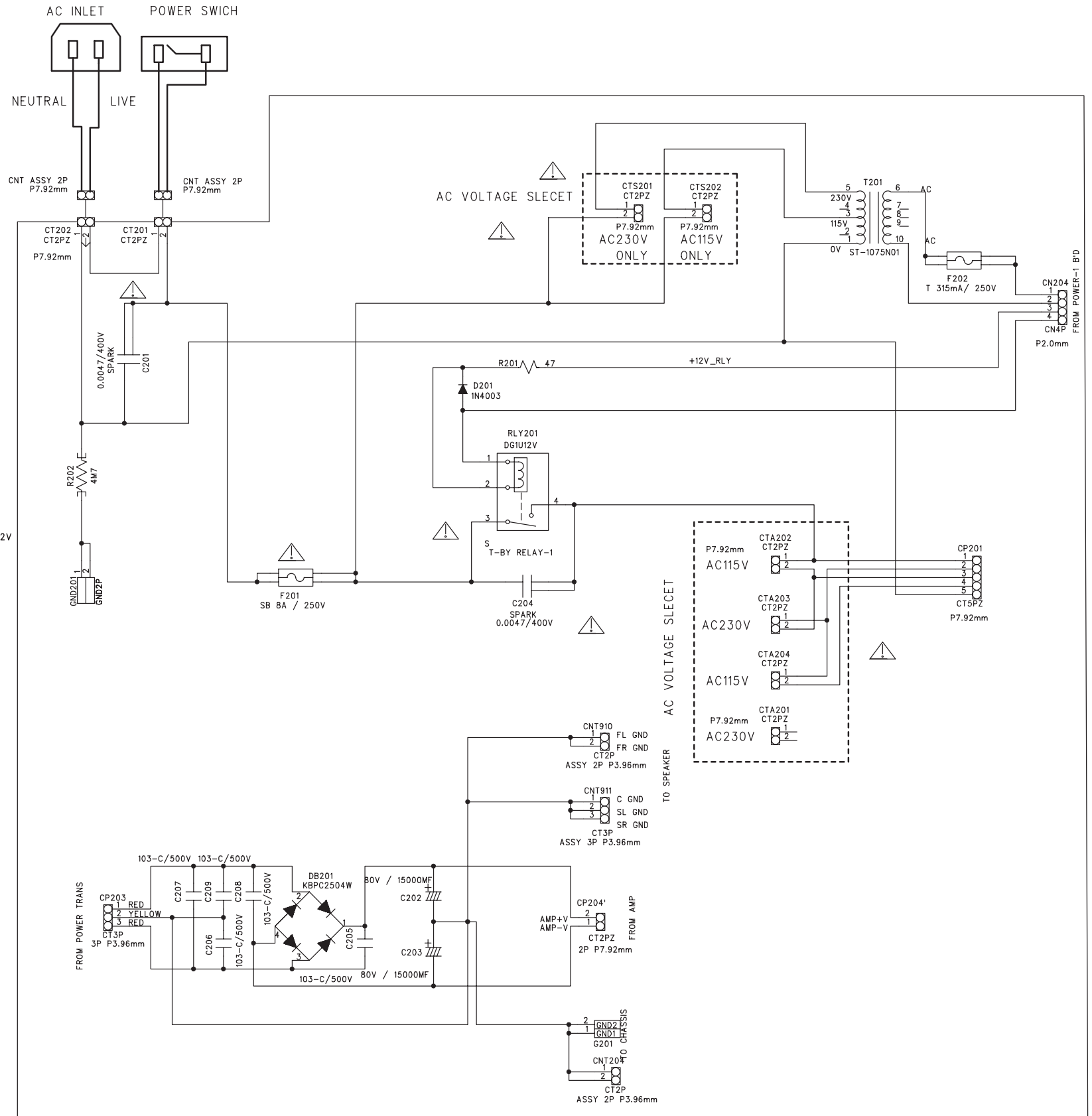
ZONE PCB (1/2) 016 E-1490B00



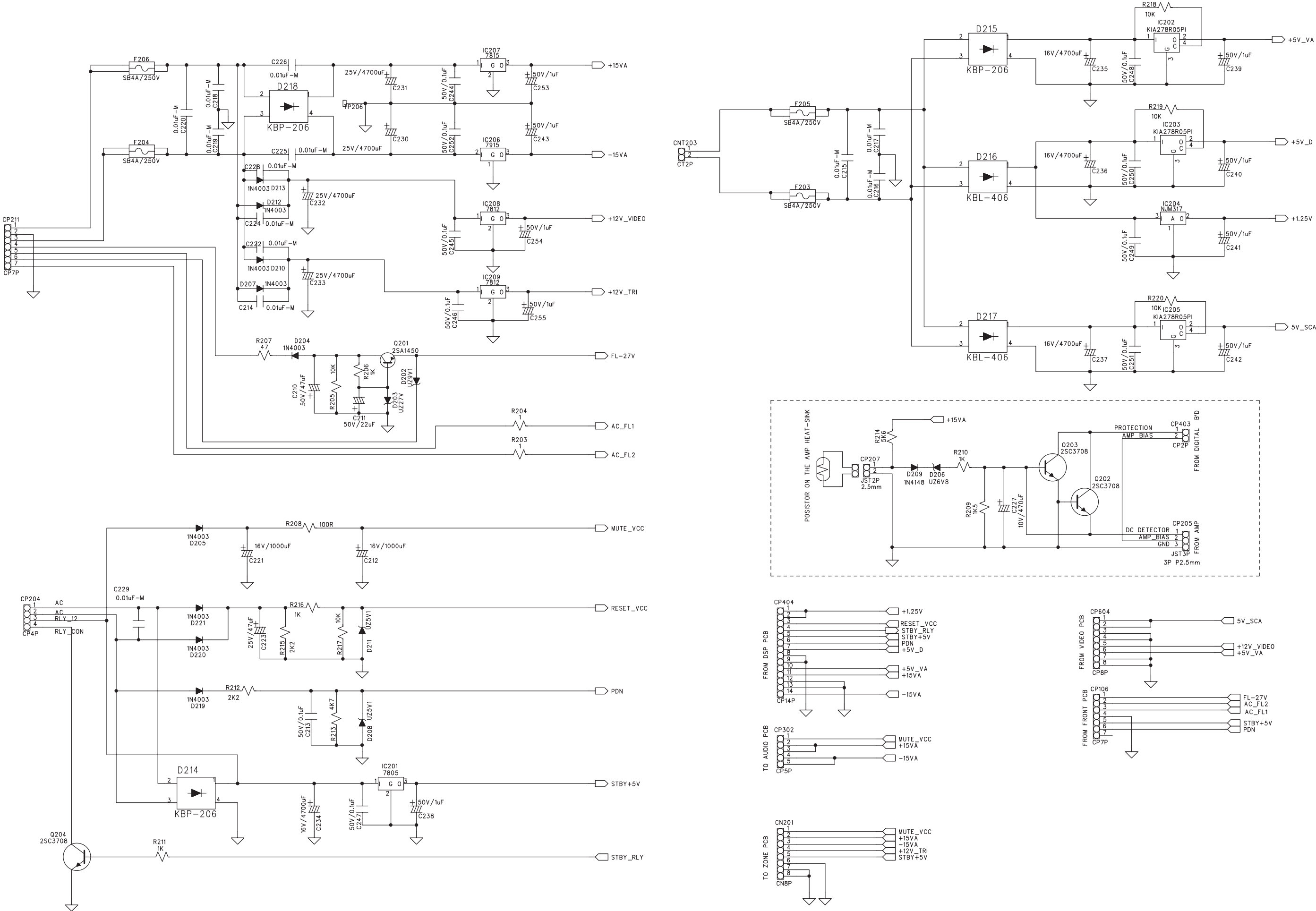
ZONE PCB (2/2) 016 E-1490B00

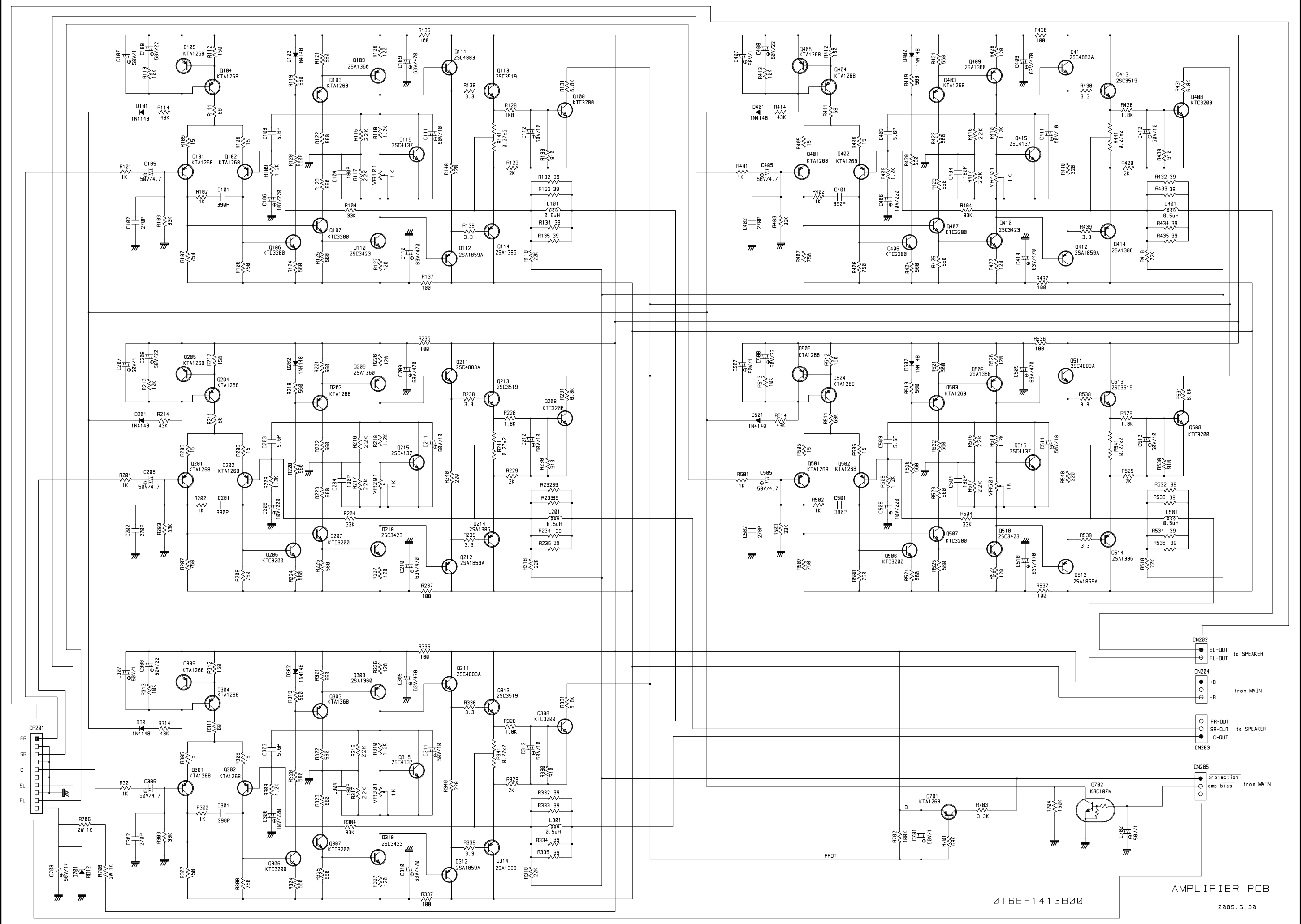


Transformer 022 T-1109U1



Power PCB (2/2) 016 X-1491A01~03





016E-1413B00

AMPLIFIER PCB

2005.6.30

