

Quality Uncompromised

ROTEL®

Technical Manual

STEREO RECEIVER RX-1052_{v03}

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Specifications

Audio

Continuous Amplifier Power

100 watts/channel
(20~20k Hz, <0.05% THD, 8 ohms)

Total Harmonic Distortion

<0.05% at rated power

Intermodulation Distortion (60 Hz:7 kHz)

<0.05% at rated power

Frequency Response

Line Level: 10 Hz - 70 kHz, ± 3 dB
Phono: 20 Hz - 20 kHz, ± 1 dB

Signal to Noise Ratio (IHF "A" weighted)

Line Level: 92 dB
Phono: 74 dB

Input Overload

Line Inputs: 5 V
Phono Inputs: >120 mV

Preamplifier Output Voltage

1.0 V (160 mV Input)

Input Sensitivity / Impedance

Line Level: 160 mV / 47 kohms
Phono: 2.5 mV / 47 kohms

Tone Controls (Bass/Treble)

± 8 dB at 100 Hz / 10 kHz

Video

Frequency Response

3 Hz-10 MHz, ± 3 dB

Signal to Noise Ratio

45 dB

Input Impedance

75 ohms

Output Impedance

75 ohms

Output Level

1 volt

FM Tuner

Usable Sensitivity

14.2 dBf

50dB Quieting Sensitivity

20.2 dBf (mono)
45.3 dBf (stereo)

Signal to Noise Ratio (at 65 dBf)

70 dBf (mono)
65 dBf (stereo)

Harmonic Distortion (at 65 dBf)

0.3% (mono)
0.5% (stereo)

Frequency Response

30 Hz-14 kHz, ± 1.5 dB

Capture Ratio

2.0 dB

Alternate Channel Selectivity

47 dB (± 400 kHz)

Spurious Response Ratio

80 dB

Image Response Ratio

65 dB

IF Response Ratio

80 dB

AM Suppression Ratio

52 dB

Stereo Separation (100Hz/1 kHz/10 kHz):

40 dB/45 dB/35 dB

Output level

850 mV

Antenna Input

75 ohms unbalanced

AM Tuner

Sensitivity

500 μ V/m

Selectivity

25 dB

Image Response Ratio

35 dB

Signal to Noise Ratio

40 dB

Output level

250 mV

Antenna Input

Loop Antenna

General

Power Consumption

300 watts
28.4 watts (idle)
13.2 watts (standby)

Power Requirements (AC)

115 volts, 60 Hz (USA version)
230 volts, 50 Hz (European version)

Weight

10.8 Kg / 30.4 lb.

Dimensions (W x H x D)

432 x 121 x 359 mm
17" x 43/4" x 141/8"

Front Panel Height

(feet removed / for rack mount)
109 mm / 4.3"

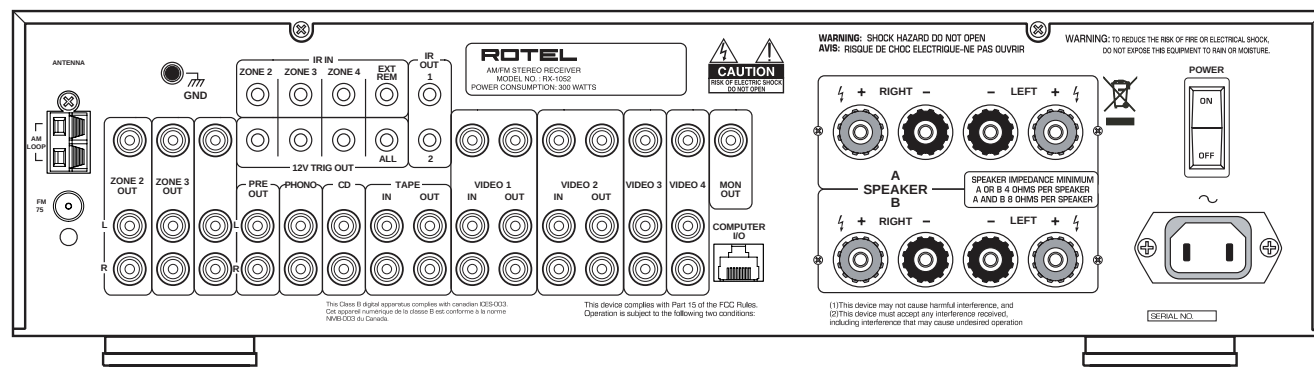
THE ROTEL CO., LTD.

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

Serial. NO.

Beginning **6441001~**

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SYMBOL	PARTS NO.	DESCRIPTION
	016 E-1416A00 PCB ASSY	
	501 E-1416	PCB ASSY (POWER AMP)
L601,602	021 TRL-331	SPEAKER COIL 1F 23T
Q704	032 KRC107M	TRANSISTOR KRC107M/P
Q607-610,701	032 KTA1266Y	TRANSISTOR KTA1266Y/PF
Q633,634,702,703	032 KTC3198Y-AT	TRANSISTOR KTC3198Y-AT/PJ
Q615,616	033 A1209-ST	TRANSISTOR 2SA1209-ST
Q621,622	033 A1667-OY	TRANSISTOR 2SA1667-OY
Q617,618	033 C2911-ST	TRANSISTOR 2SC2911-ST
Q619,620	033 C4381-OY	TRANSISTOR 2SC4381-OY
Q601-606	033 KTA1268-GRBL	TRANSISTOR KTA1268-GRBL/P
Q611-614	033 KTC3200-GRBL	TRANSISTOR KTC3200-GRBL/P
D605-608	034 1N4004	DIODE 1A400V
D601-604,701	034 T1N4148-86	DIODE 1N4148TAP-50
D702	034 TRD9.1JST1	ZENER DIODE 9.1V (AB2)
C609,610,701	041 TUTES1C471-TF	ELECTROLYTIC CAPACITOR 16V470uF
C702	041 TUTES1H010-TF	ELECTROLYTIC CAPACITOR 50V1uF
C621-624	041 TUTES1H100-TF	ELECTROLYTIC CAPACITOR 50V10uF
C617,618	041 TUTES1H220-TF	ELECTROLYTIC CAPACITOR 50V22uF
C615,616	041 TUTES1H330-TF	ELECTROLYTIC CAPACITOR 50V33uF
C601-604	041 TUTES1H4R7-TF	ELECTROLYTIC CAPACITOR 50V4.7uF
C625-628	041 TUTES1J471-7TS	ELECTROLYTIC CAPACITOR 63V470uF
C629,630	041 TUTES2A010-7TF	ELECTROLYTIC CAPACITOR 100V1uF
C619,620	043 TC50V102	CERAMIC CAPACITOR 1000pF
C613,614	043 TC50V103	CERAMIC CAPACITOR 0.01uF
C605,606	043 TC50V221	CERAMIC CAPACITOR 220pF
C607,608	043 TC50V681	CERAMIC CAPACITOR 680pF
C611,612	043 TC50VCH030	CERAMIC CAPACITOR 3pF
R679-682	054 1WS47JF	MOF RESISTOR 1WS 47
R683-690	054 NIR2-0.22JF	METAL RESISTOR 2W 0.22
R645-648	054 TMF16-1000	METAL FILM RESISTOR 1/6W 100
R601,602,702	054 TMF16-1001	METAL FILM RESISTOR 1/6W 1K
R651,652	054 TMF16-1002	METAL FILM RESISTOR 1/6W 10K
R704	054 TMF16-1003	METAL FILM RESISTOR 1/6W 100K
R619-622	054 TMF16-1201	METAL FILM RESISTOR 1/6W 1.2K
R603-606	054 TMF16-12R0	METAL FILM RESISTOR 1/6W 12
R653,654	054 TMF16-1500	METAL FILM RESISTOR 1/6W 150
R703	054 TMF16-1501	METAL FILM RESISTOR 1/6W 1.5K
R707	054 TMF16-1503	METAL FILM RESISTOR 1/6W 150K
R655-662	054 TMF16-2201	METAL FILM RESISTOR 1/6W 2.2K
R641-644	054 TMF16-2202	METAL FILM RESISTOR 1/6W 22
R663,664	054 TMF16-2402	METAL FILM RESISTOR 1/6W 24K
R706	054 TMF16-3301	METAL FILM RESISTOR 1/6W 3.3K
R607-612	054 TMF16-3302	METAL FILM RESISTOR 1/6W 33K
R649,650	054 TMF16-3901	METAL FILM RESISTOR 1/6W 3.9K
R639,640	054 TMF16-4701	METAL FILM RESISTOR 1/6W 4.7K
R627-638	054 TMF16-5600	METAL FILM RESISTOR 1/6W 560
R613-616	054 TMF16-6800	METAL FILM RESISTOR 1/6W 680
R665,666,701	054 TMF16-6801	METAL FILM RESISTOR 1/6W 6.8K
R705	054 TMF16-6802	METAL FILM RESISTOR 1/6W 68K
R617,618	054 TMF16-68R0	METAL FILM RESISTOR 1/6W 68
R623-626	054 TMF16-7500	METAL FILM RESISTOR 1/6W 750
R669,670	054 TMF1000	METAL FILM RESISTOR 1/4W 100
R671-678	054 TMF3R30	METAL FILM RESISTOR 1/4W 3.3
R667,668	054 TMF5600	METAL FILM RESISTOR 1/4W 560
CP204,CP602	068 B2B-EH	CONNECTOR WAFER 2P

SYMBOL	PARTS NO.	DESCRIPTION
CP104	068 B5B-PH-KS	CONNECTOR WAFER 5P
	016 X-1423B01-09 PCB ASSY	
	501 X-1423	PCB ASSY (FRONT)
L101	021 2698200001	LINE FILTER COIL LF-TO-25
XT601	023 CSTLS10M0G53B0	CERAMIC RESONATOR CSTLS10.00M
IC601	031 CXP82832-364Q	IC SMD (CPU)
IC904-907	031 LTV817	PHOTO COUPLER
IC103	031 NJM7805FA	IC DIP (REG. +5VDC) KIA7805API-U
IC910	031 NJM7806FA	IC DIP (REG. +6VDC) KIA7806API-U
IC105	031 NJM7812FA	IC DIP (REG. +12VDC) KIA7812API-U
IC911	031 NJM7906FA	IC DIP (REG. -6VDC) KIA7906PI-U/P
IC901,908,909	031 TC9163AN	IC DIP (SWITCH ALLEY) TC9163AN
IC902,903	031 TSH94ID	IC SMD (VIDEO AMP)
Q103	032 TA1450-ST	TRANSISTOR 2SA1450AA-ST
Q102,601-605,901-904	032 TC3708-ST	TRANSISTOR 2SC3708AA-ST
LED603,LED604	034 LTL1214A	LED (2F) LTL1214A
D102,113,114,116,117	034 T1N4004-TB	DIODE 400V1A
D103,104,115,601-606,901-907	034 T1N4148-86	DIODE 1N4148TAP-50
D105	034 TRD27JST1	ZENER DIODE 27V (AB2)
D118	034 TRD4.3EST1	ZENER DIODE 4.3V (AB2)
D106	034 TRD9.1JST1	ZENER DIODE 9.1V (AB2)
FL601	035 SVR12MM18	FL TUBE
F103-104	036 5ST1-R	FUSE 250V1A
F105*	036 5ST3.15-R	FUSE 250V3.15A (for Europe)
F105*	036 5ST5-R	FUSE 250V5A (for USA)
C906-909	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C114	041 TUTES1C332-7TS	ELECTROLYTIC CAPACITOR 16V3300uF
C115,118,914,915	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C610,900-905,912,913	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C102	041 TUTES1H220-7TF	ELECTROLYTIC CAPACITOR 50V22uF
C602	041 TUTES1H3R3-7TF	ELECTROLYTIC CAPACITOR 50V3.3uF
C101	041 TUTES1H470-7TF	ELECTROLYTIC CAPACITOR 50V47uF
C117	041 TUTES1V471-7TS	ELECTROLYTIC CAPACITOR 35V470uF
C910,911	042 TP50V472JE	MYLAR CAPACITOR 0.0047uF
C603-607,615,616	043 TC50V101	CERAMIC CAPACITOR 100pF
C116	043 TC50V103	CERAMIC CAPACITOR 0.01uF
C601,611	043 TC50V104	CERAMIC CAPACITOR 0.1uF
C608,609	043 TC50V473	CERAMIC CAPACITOR 0.047uF
C631,632	043 TC50V561	CERAMIC CAPACITOR 560pF
C617-620	043 TC50V821	CERAMIC CAPACITOR 820pF
C119,120	044 3549472109	AC CAPACITOR 400V0.0047uF (HCYE2G472MAA)
R619,620	053 CR14-010J-A	CARBON RESISTOR 1/4W 1
R926-929,962,963	053 CR14-100J-A	CARBON RESISTOR 1/4W 10
R930-932,940-942,955-961	053 CR14-101J-A	CARBON RESISTOR 1/4W 100
R610-614	053 CR14-102J	CARBON RESISTOR 1/4W 1K
R105,108,915-917,922-925	053 CR14-102J-A	CARBON RESISTOR 1/4W 1K
R933-938,943-948	053 CR14-102J-A	CARBON RESISTOR 1/4W 1K
R104,625-630,939	053 CR14-103J-A	CARBON RESISTOR 1/4W 10K
R621	053 CR14-104J-A	CARBON RESISTOR 1/4W 100K
R911,912,918,919	053 CR14-221J-A	CARBON RESISTOR 1/4W 220
R102,949-952	053 CR14-222J-A	CARBON RESISTOR 1/4W 2.2K
R631,632	053 CR14-223J-A	CARBON RESISTOR 1/4W 22K
R602* -605	053 CR14-331J-A	CARBON RESISTOR 1/4W 330 (RED Led)
R103	053 CR14-470J-A	CARBON RESISTOR 1/4W 47
R601,606-609	053 CR14-472J-A	CARBON RESISTOR 1/4W 4.7K
R109,615-618	053 CR14-473J-A	CARBON RESISTOR 1/4W 47K

SYMBOL	PARTS NO.	DESCRIPTION
R602*,101	053 CR14-561J-A	CARBON RESISTOR 1/4W 560 (BLUE Led)
R901-910	053 CR14-750J-A	CARBON RESISTOR 1/4W 75
R913,914	054 1WS1JF	MOF RESISTOR 1WS 1
R112,113	054 2WS1JF	MOF RESISTOR 2WS 1
R111*	054 MSR1/2W4M7J	MOF RESISTOR 1/2W 4.7M (120V only)
SW601	056 C-4678A01	ROTARY ENCODER (VOLUME) (without DETENT)
SW602,SW603	056 C-4678A03	ROTARY ENCODER (TONE) (with DETENT)
SW619	061C-4172A13	PUSH SWITCH SPUN12XT131 (STANDBY)
S601-618	061C-4679A03	TACT SWITCH 5mm GRY HV061050GS
RLY101,901-903	063 EA2-12NU	RELAY EA2-12NU
JAK601	065 H2038S100S	JACK 6.5Φ 3P (HEAD PHONE)
JAK901-905	065 HSJ1002-016020	3.5Φ MINI JACK
RCA902,903	066 4TR-2964#10	3P PIN JACK (YEL)
RCA901	066 C-4860A01	4P PIN JACK (YEL)
JAK102	067 C-4761A01	4P SPEAKER TERMINAL
CT105	068 4428503746	CONNECTOR WAFER 3P 7.92mm
CP120	068 B11B-EH	CONNECTOR WAFER 11P
CP102	068 B15B-PH-KS	CONNECTOR WAFER 15P
CP604-606,140	068 B2B-PH-KS	CONNECTOR WAFER 2P
CT101-104	068 B2P3-VH	CONNECTOR WAFER 2P
CP607	068 B3B-PH-KS	CONNECTOR WAFER 3P
CP101	068 B4P-VH	CONNECTOR WAFER 4P
CP601	068 B6B-PH-KS	CONNECTOR WAFER 6P
CP603	068 B8B-PH-KS	CONNECTOR WAFER 8P
CP902-2,903-2	068 C-4687A07	PCB CONNECTOR
CP902,902-1,903,903-1	068 C-4687A11	PCB CONNECTOR
CP901-2	068 C-4689A07	CONNECTOR BASE 7P
CP901,901-1	068 C-4689A11	CONNECTOR BASE 11P
CP904	069 B1P-LV-TA	1P LA PIN
016 X-1481A01-02 PCB ASSY		
	501X-1481	PCB ASSY (MAIN)
XT101	023 HC49U-009	CRYSTAL HC49U24.576MHZ
L101	025 BK2125HS102	BEAD COIL BK2125HS102-T
IC129	031 39SF040-X52V3	IC SMD (FLASH MEMORY)
IC128	031 AT24C16A10PU-2.7	IC DIP (EEPROM) AT24C16A10PU
IC107	031 HIN232CB	IC SMD (RS232R) HIN232CBZ
IC126	031 IS62C256	IC SMD (SRAM) IS62C256-45UL
IC113	031 MM1631	IC SMD (AUDIO SWITCH)
IC101-106,108-111,115-118	031 NJM5532M	IC SMD (OPE AMP)
IC122,127	031 NJM5532M	IC SMD (OPE AMP)
IC119	031 NJM7809FA	IC DIP (REG. +9VDC) KIA7809API-U
IC124	031 NJM7812FA	IC DIP (REG. +12VDC) KIA7812API-U
IC121	031 NJM7818FA	IC DIP (REG. +18VDC) KIA7818API-U
IC120	031 NJM7918FA	IC DIP (REG. -18VDC) KIA7918PI-U
IC114	031 NJW1157B	IC SMD (8CH VR,INPUT SWITCH)
RMC101	031 RPM7138H9	IC DIP (REMOTE RECEIVER)
IC123	031 TC9459BFG	IC SMD (VOLUME)
IC112	031 TC9482BFG	IC SMD (6CH VOLUME)
IC125	031 TMP95C063F	IC SMD (MICON) TMP95C063FG(Z)
Q113-118,128	032 KRA107S	CHIP TRANSISTOR KRA107S/P
Q123	032 KRC107S	CHIP TRANSISTOR KRC107S/P
Q129-132	032 KRC231S	CHIP TRANSISTOR KRC231S/P
Q101-112,121,122,124,125,127	032 KRC231S	CHIP TRANSISTOR KRC231S/P
Q119,120,126	032 TC3708-ST	TRANSISTOR 2SC3708AA-ST
DB101	034 KBPC2504W-F	POWER DIODE 25A 400V
D101,102,105-108,110,111,113	034 T1N4004-TB	DIODE 400V1A

SYMBOL	PARTS NO.	DESCRIPTION
D109	034 TRD5.1JST1	ZENER DIODE 5.1V (AB2)
D103,104	034 TRD7.5JST1	ZENER DIODE 7.5V (AB2)
F153,154	036 5ST1-R	FUSE 250V1A
F151,152	036 5ST8-R	FUSE 250V8A
D112	037 KDS184RTK	DIODE CHIP KDS184RTK/P
C307,308	041 AM1K123	ELECTROLYTIC CAPACITOR 80V12000uF
C236,237	041 TUTES1A101-7TF	ELECTROLYTIC CAPACITOR 10V100uF
C340	041 TUTES1A471-7TF	ELECTROLYTIC CAPACITOR 10V470uF
C289	041 TUTES1C101-7TF	ELECTROLYTIC CAPACITOR 16V100uF
C180-185,188,189,192-195	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C200-205,209,214,273,274,285	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C286,294-299,301,302,304,323	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C335,336	041 TUTES1E470-7TF	ELECTROLYTIC CAPACITOR 25V47uF
C146,168,179,199,258,287,288	041 TUTES1H010-7TF	ELECTROLYTIC CAPACITOR 50V1uF
C337	041 TUTES1H0R1-7TF	ELECTROLYTIC CAPACITOR 50V0.1uF
C154-165,171-176,186,187,190,191,198,207,	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C208,215-220,226,227,231,234,235,238-241,	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C243-257,259,260,267,270,275-277,275-277,	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C279-284,290,291,300,303,311-318,311-318,	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C321,322,324,325,329,341,342	041 TUTES1H100-7TF	ELECTROLYTIC CAPACITOR 50V10uF
C346	041 TUTES1H101-7TF	ELECTROLYTIC CAPACITOR 50V100uF
C278	041 TUTES1H220-7TF	ELECTROLYTIC CAPACITOR 50V22uF
C222,225	041 TUTES1H330-7TF	ELECTROLYTIC CAPACITOR 50V33uF
C349	041 TUTES1H3R3-7TF	ELECTROLYTIC CAPACITOR 50V3.3uF
C169,170	041 TUTES1H4R7-7TF	ELECTROLYTIC CAPACITOR 50V4.7uF
C223,224,345	041 TUTES1HR22-7TF	ELECTROLYTIC CAPACITOR 50V0.22uF
C319,320	041 TUTES1V332-7TS	ELECTROLYTIC CAPACITOR 35V3300uF
C210,212,232,233	042 TP50V182JE	MYLAR CAPACITOR 0.0018uF
C196,197	042 TP50V222JE	MYLAR CAPACITOR 0.0022uF
C101,102	042 TP50V472JE	MYLAR CAPACITOR 0.0047uF
C211,213	042 TP50V562JE	MYLAR CAPACITOR 0.0056uF
C326,338,339,343,344	043 TC500V103	CERAMIC CAPACITOR 500V0.01uF
C142,143	044 50MSAN473JE	SF CAPACITOR 0.047uF
C268,271	044 TBF014D0224J	M.P CAPACITOR 63V0.22uF
C269,272	044 TBF014D0472J	M.P CAPACITOR 63V4700pF
C327,328,331-333	044 TBF014E0103J	M.P CAPACITOR 100V0.01uF
C305,306	047 ECJ2VB1H153K	CERAMIC CAPACITOR CHIP 0.015uF
C356,357,366,369-372,375,376,379-381,	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C121-123,128,133,138-141,144,145,147,206,	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C221,228-230,242,292,293,330,334,347,348	047 ECJ2VF1H104Z	CERAMIC CAPACITOR CHIP 0.1uF
C358-365,309,310	047 ECJ2VG1H100D	CERAMIC CAPACITOR CHIP 10pF
C350-355,367,368,373,374,377,378,103-120,	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
C124-127,129-132,134-137,148-153,166,167,	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
C177,178,261-266	047 ECJ2VG1H101J	CERAMIC CAPACITOR CHIP 100pF
C382,383	047 ECJ2VG1H270J	CERAMIC CAPACITOR CHIP 27pF
R228,229	054 1WS270JF	MOF RESISTOR 1WS 270
R199,200	054 2WS10JF	MOF RESISTOR 2WS 10
R220,223	054 2WS470JF	MOF RESISTOR 2WS 470
R103-114,133-140,153,154,157,158,189,	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R192,261-268,284,287,331,332,363-365	055 ERJ6ENF1001V	RESISTOR CHIP 1K
R299,300,302,304,359-362,366,367,370,	055 ERJ6ENF1002V	RESISTOR CHIP 10K
R371,373,374,147-152,155,156,159-162,	055 ERJ6ENF1002V	RESISTOR CHIP 10K
R165-170,269,270,281,282,291,292,294	055 ERJ6ENF1002V	RESISTOR CHIP 10K
R115-132,141-146,177,178,181,182,190,	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R191,193-198,224,225,238-243,252,253,	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R272,273,276,277,285,286,289,290,296-298	055 ERJ6ENF1003V	RESISTOR CHIP 100K
R375	055 ERJ6ENF1004V	RESISTOR CHIP 1M

SYMBOL	PARTS NO.	DESCRIPTION
R101,102,211,254,328,329	055 ERJ6ENF10R0V	RESISTOR CHIP 10
R353,354	055 ERJ6ENF2001V	RESISTOR CHIP 2K
R307-318,325-327,330,341,342,344,345,	055 ERJ6ENF2200V	RESISTOR CHIP 220
R347-352,357,358,368,369,171-176,179,	055 ERJ6ENF2200V	RESISTOR CHIP 220
R180,183-186,205-210,214-219,275,278	055 ERJ6ENF2200V	RESISTOR CHIP 220
R335-340	055 ERJ6ENF3301V	RESISTOR CHIP 3.3K
R226,227,246-251,295	055 ERJ6ENF3301V	RESISTOR CHIP 3.3K
R255-260,343,346	055 ERJ6ENF3303V	RESISTOR CHIP 330K
R212,213	055 ERJ6ENF4302V	RESISTOR CHIP 43K
R231-236,271,274	055 ERJ6ENF4700V	RESISTOR CHIP 470
R301,303,305,306,372	055 ERJ6ENF4701V	RESISTOR CHIP 4.7K
R230,237,244,245,279,288,293	055 ERJ6ENF4701V	RESISTOR CHIP 4.7K
R333,334	055 ERJ6ENF4702V	RESISTOR CHIP 47K
R221,222	055 ERJ6ENF5600V	RESISTOR CHIP 560
R319-324	055 ERJ6ENF5601V	RESISTOR CHIP 5.6K
R202,203	055 ERJ6ENF5603V	RESISTOR CHIP 560K
R201,204	055 ERJ6ENF8200V	RESISTOR CHIP 820
R163,164,187,188	055 ERJ6ENF9102V	RESISTOR CHIP 91K
RLY103	063 DG2SU-24	RELAY DG24D2-OS(M)
RLY101,102	063 DH2TU-24	RELAY DH24D2-OT(M)
JK105	066 C-4784A01	4P PIN JACK AU (W)
JK103,104,106,107	066 C-4792A01	6P PIN JACK AU (WHT.RED)
JK101	066 SY010-8P/K	RJ45 TERMINAL SY010-8P/K-01E/RH
JK101	067 C-4761A01	4P SPEAKER TERMINAL
CP151	068 4428503746	CONNECTOR WAFER 3P 7.92mm
CP203	068 B2P3-VH	CONNECTOR WAFER 2P
CP201,202	068 B2P-VH	CONNECTOR WAFER 2P
CP152	068 B3B-EH	CONNECTOR WAFER 3P
CP105,301	068 B3B-PH-KS	CONNECTOR WAFER 3P
CP108	068 B6B-PH-KS	CONNECTOR WAFER 6P
CP107	068 B7B-PH-KS	CONNECTOR WAFER 7P
CNT801	068 C-4867A01	FPC CONNECTOR 17P
(IC129)	068 PLCC32GS	IC SOCKET
HEAT SINKER ASSY		
	017 TZ3-07A01	HEAT SINKER BOARD
	019 TO-126	MICA SHEET TBM-51W-15 #9524
	019 TO-3P	MICA SHEET TBM-51W-15 #9043
Q623,624	032 C4137-V	TRANSISTOR 2SC4137-V
Q629,630,631,632	033 A1492-OPY	TRANSISTOR 2SA1492-OPY
Q625,626,627,628	033 C3856-OPY	TRANSISTOR 2SC3856-OPY
(CP204)	034 P43T7D140BW20	POSISTOR
O T H E R S		
	011 FP-578B-B	BLACK PANEL ASSY
	011 FP-578B-S	SILVER PANEL ASSY
	011 TH3-01B00	H/S PANEL
	012 C-4844B01	KNOB 10Φ (BLACK)
	012 C-4844B02	KNOB 10Φ (SILVER)
	012 C-4880B01	KNOB 43Φ (BLACK)
	012 C-4880B02	KNOB 43Φ (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 C-4723B03	UPPER COVER
	019 4TSH-19#2	PLASTIC FOOT 50Φ (BLACK)
	019 C-4714A00	POWER KNOB RING 14Φ (BLACK)

SYMBOL	PARTS NO.	DESCRIPTION
(CNT801)	019 C-4714A01	POWER KNOB RING 14Φ (SILVER)
	019 PR4-12B00	KNOB RING 46Φ (RED)
	019 PR4-12B01	KNOB RING 46Φ (BLU)
	021 RLA172A00	AM LOOP ANT
	022 T-1096N02	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 C-4621A03	AC CORD SET (SJT AWG16) for USA
	072 C-4622A02	AC CORD SET for AUSTRALIA
	072 C-4623A03	AC CORD SET for U.K.
	072 C-4624A03	AC CORD SET for EUROPE
	072 C-4863A00	FLAT CABLE L=150mm 17PIN 1.25PITCH
	081 VC3-03A02	INSIDE CARTON
	081 VC3-04A02	SHIPPING CARTON
	081 ZE-204	ETHAFOAM MOULDING
	082 OMRX-1052-2	OWNER'S MANUAL
	092 MB114MS1-1B	TUNER PACK
	092 RR-AT96	REMOTE CONTROL UNIT

Addendum List for Black and Silver

RX-1052v03

SYMBOL	PARTS	DESCRIPTION
①	011 FP-578B-B	BLACK PANEL ASSY
②	011 FP-578B-S	SILVER PANEL ASSY
③	011 TH3-01B00	H/S PANEL H109
	012 C-4711A03	KNOB 43F NO MARK (BLK)
	012 C-4711A03S	KNOB 43F NO MARK (SLV)
	012 C-4751A00	KNOB 10F(BLK)
	012 C-4751A01	KNOB 10F(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:

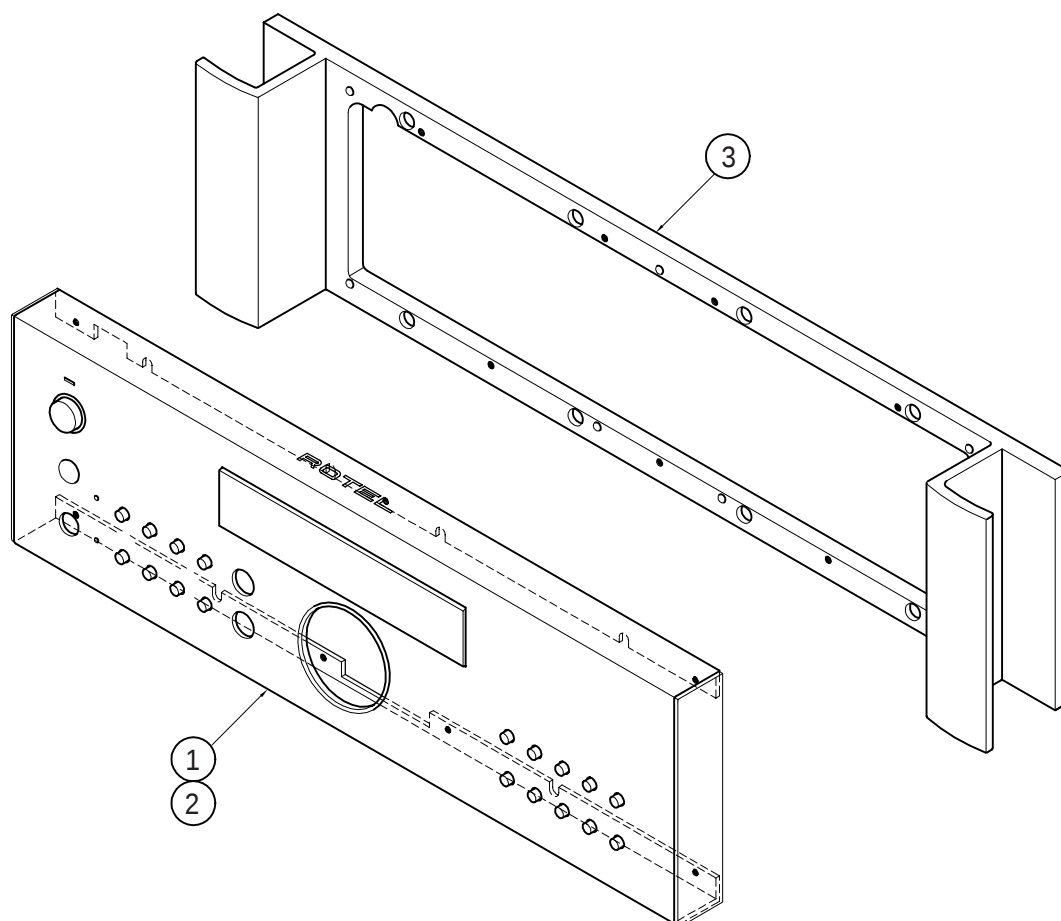
Panel Window

Side Cap

Knob Ring

Tact buttons

LED



1. Light-up ALL FL segments to check:

Press "SPEAKER B" and "BAND" of front panel while turn on the rear panel master power switch. When release the lighting, press STANDBY switch or master power switch.

2. Default Setting:

Press "SPEAKER B", "TUNE/PRESET" and "MONO" buttons together. The front panel display shows setting mode of "BAND". The "CD" as UP, "VIDEO 2" as LEFT, "VIDEO 3" as DOWN and "VIDEO 4" as RIGHT is used for the cursor buttons.

- a) Shown "BAND" and "USA" or "EUR" in the display window. Select by "VIDEO 2" and "VIDEO 4" to set the destination.
- b) Press "VIDEO 3" for next setting, shown "POWER" mode with "STANDBY", "DIRECT" and "ALWAYS-ON" and select by "VIDEO 2" and "VIDEO 4" buttons. The Default is "STANDBY".
- c) Press "VIDEO 3" for next setting, shown "Z[X] MAX" of Zone[2, 3, 4] maximum volume level setting using front panel volume knob. The Default is "Maximum".
- d) Press "VIDEO 3" for next setting, shown "Z[X] T-ON" of Zone[2, 3, 4] turn-on volume level setting using front panel volume knob. The Default is "60".
- e) Press "VIDEO 3" for next setting, shown "Z[X] VOL" of Zone[2, 3, 4] volume control with fixed or variable setting select as "FIX" or "VARI" by "VIDEO 2" and "VIDEO 4" buttons. The Default is "VARI".
- f) Press "VIDEO 3" for next setting, shown "SAVE" mode with "NO" or "YES". Select by "VIDEO 2" and "VIDEO 4" buttons. If it is selected "YES", the unit goes to normal mode besides the saved setting. If it is selected "NO", it will be display "EXIT" with "NO" or "YES" and select by "VIDEO 2" and "VIDEO 4" buttons. If it is selected "YES", the unit goes to normal mode without save the setting. If it is selected "NO", it will be display "BAND" again.
- g) After saved setting, the custom labels are also deleted as a default setting.

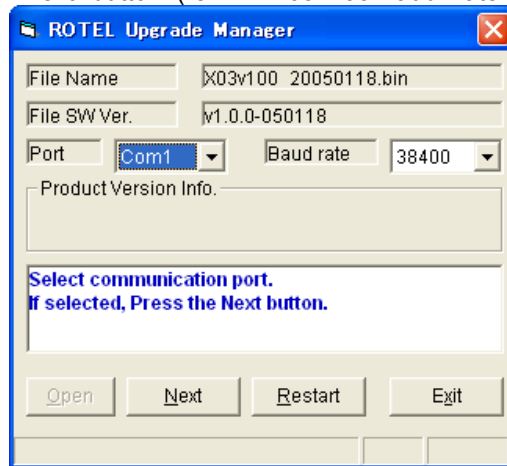
RX-1052v03 Main Software Upgrade Procedure

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

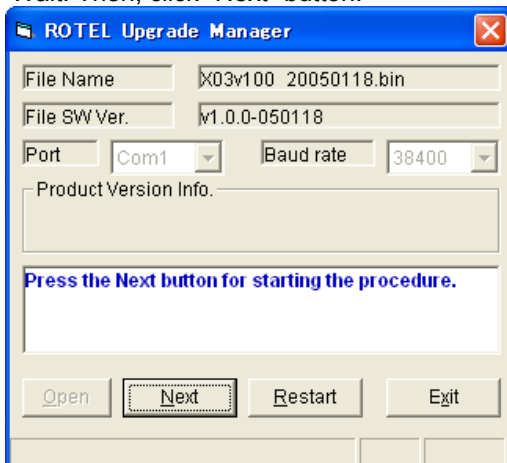
1. Click "Open File" -> Select Upgrade file



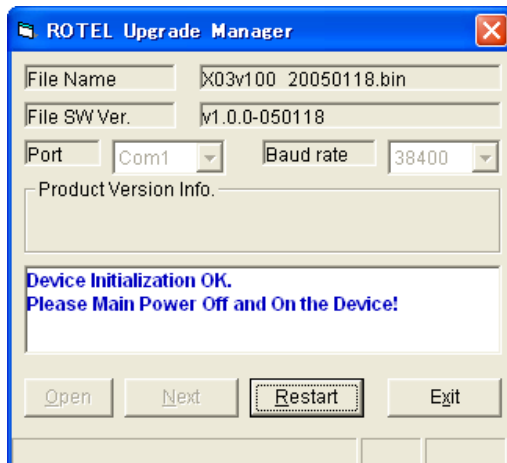
2. Confirm Port and Baud Rate setting. Then, click "Next" button. (ref: RX-1052v03 Baud Rate is 38400)



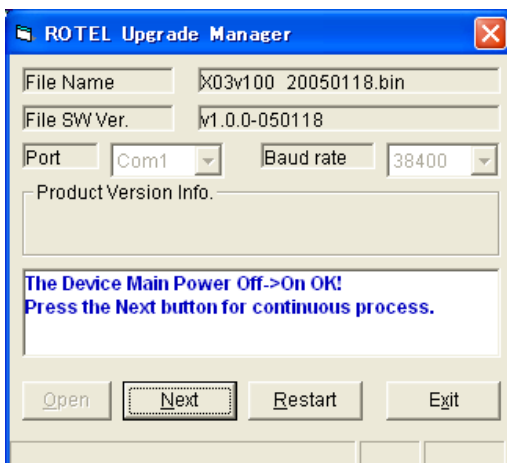
3. Communication port initializing Wait. Then, click "Next" button.



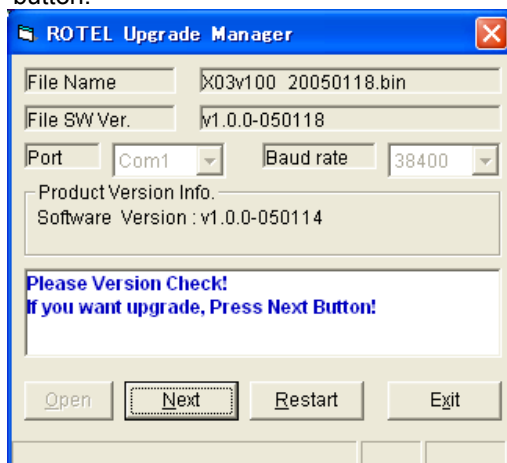
4. Power off the main switch of rear. And on again.



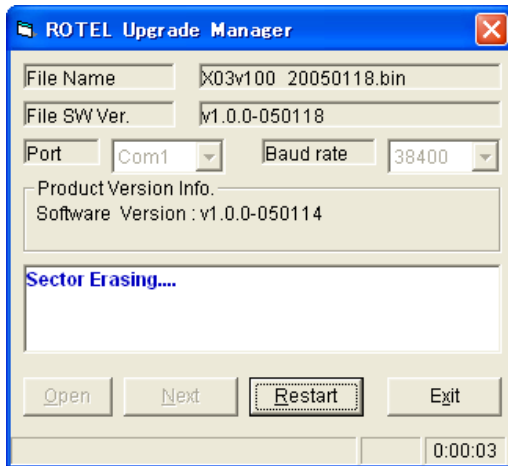
5. Click "Next" button.



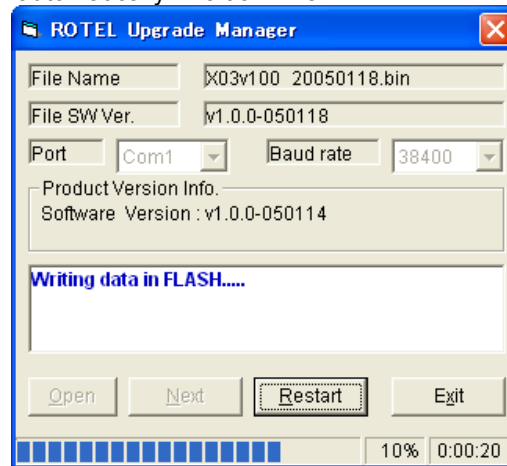
6. The device's current version is displayed. Click "Next" button.



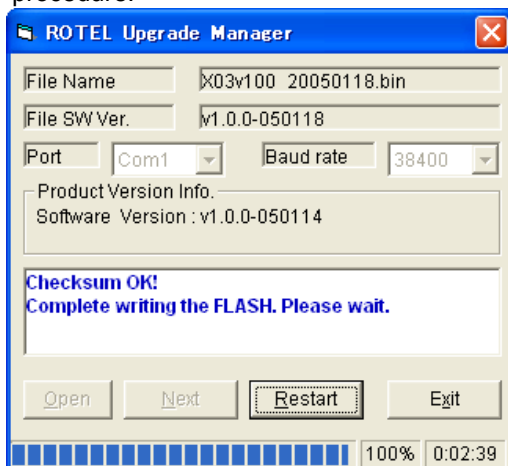
7. The sector is erasing. Wait a moment.



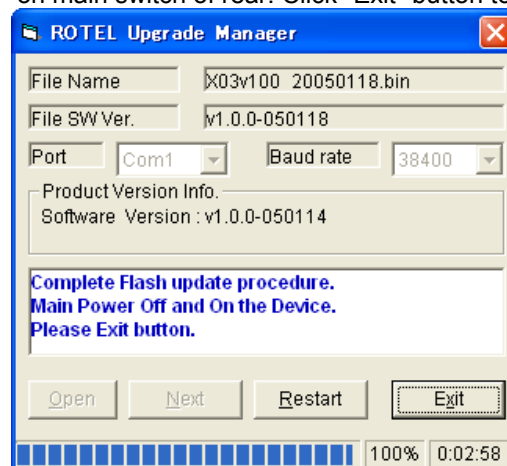
8. The sector is erased. The flash is writing automatically. Wait a while.



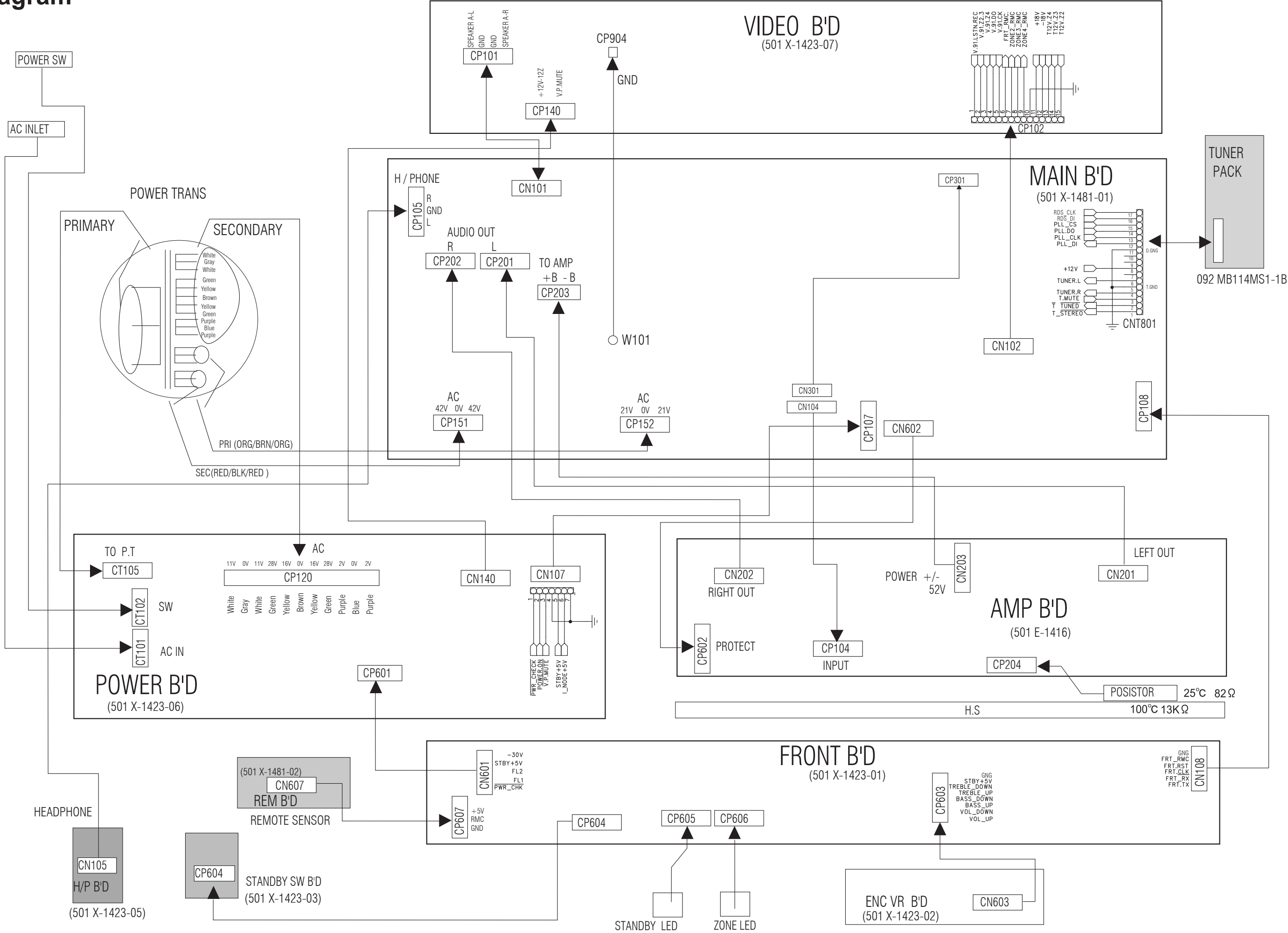
9. If the writing and checksum is OK, wait a next procedure.



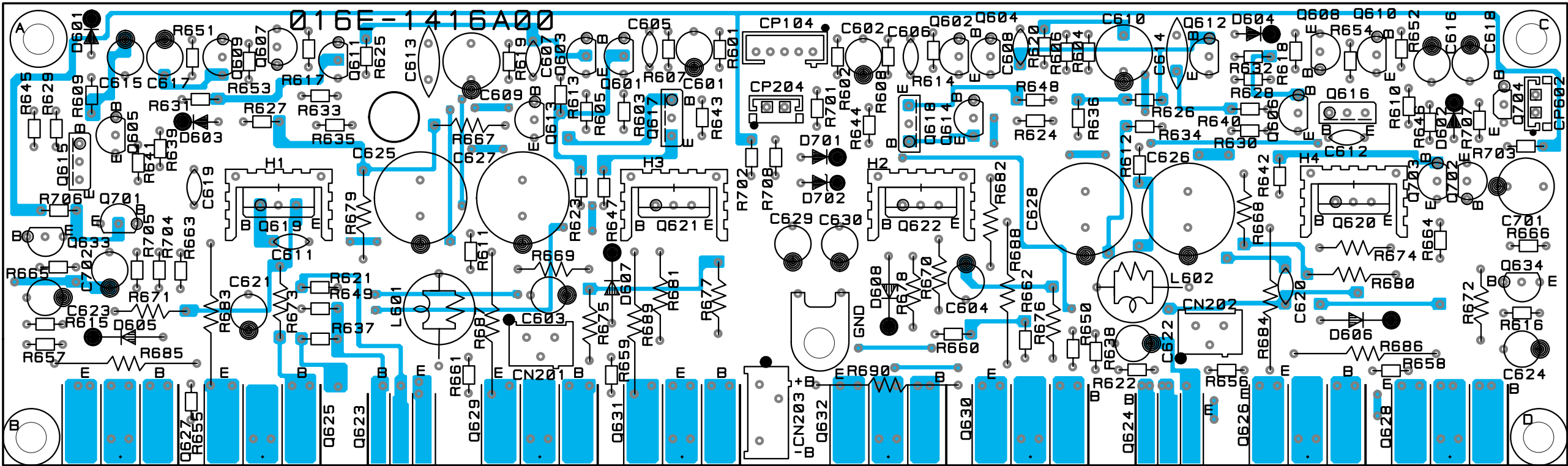
10. Completed all procedure. Power off and on again on main switch of rear. Click "Exit" button to finish the



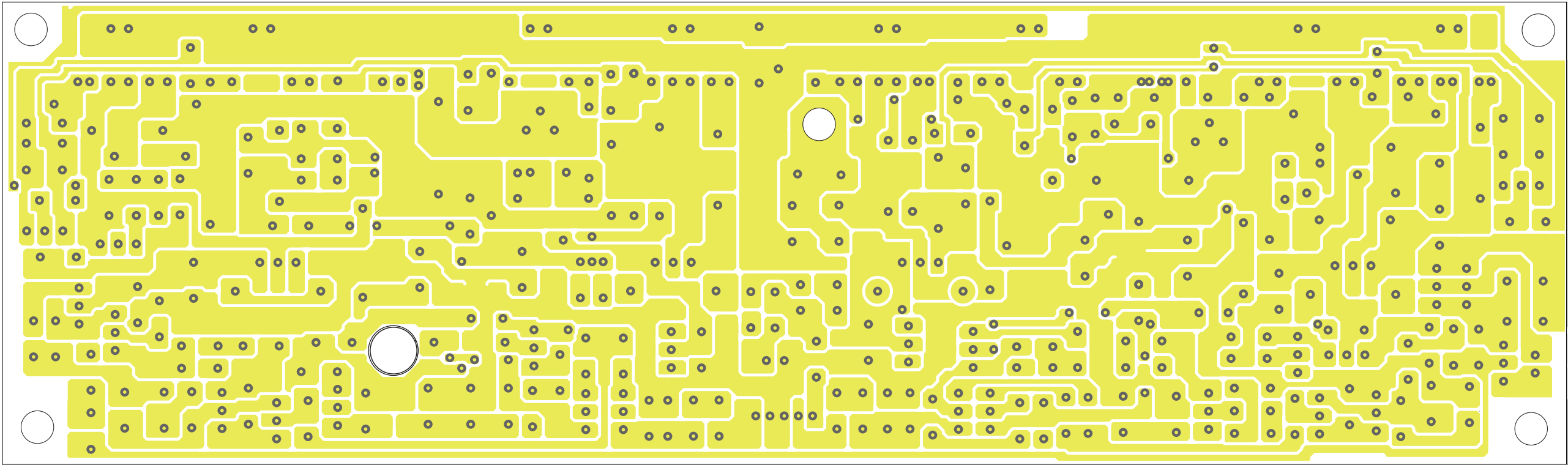
11. Finish.



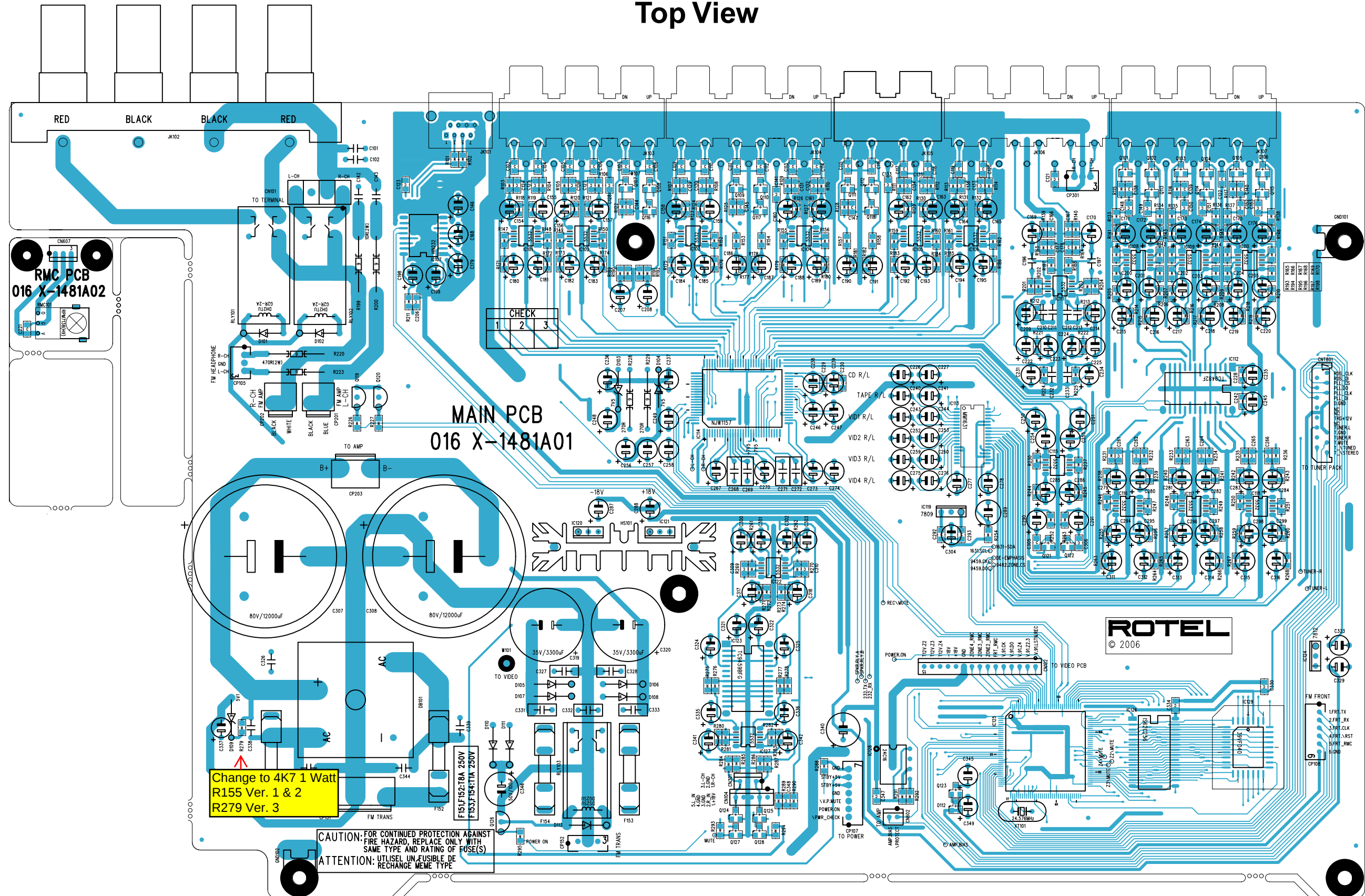
Top side



Bottom side

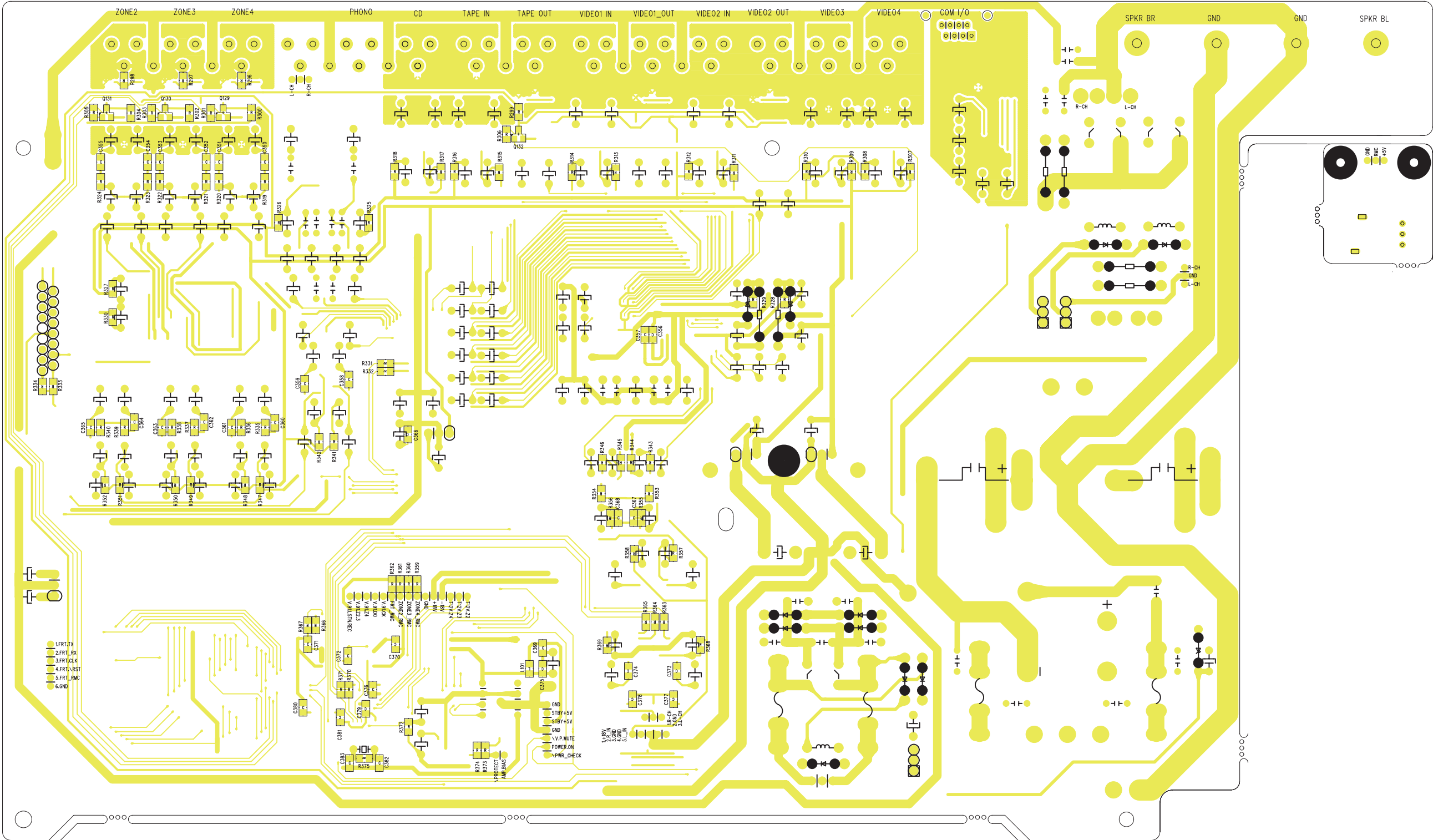


Top View

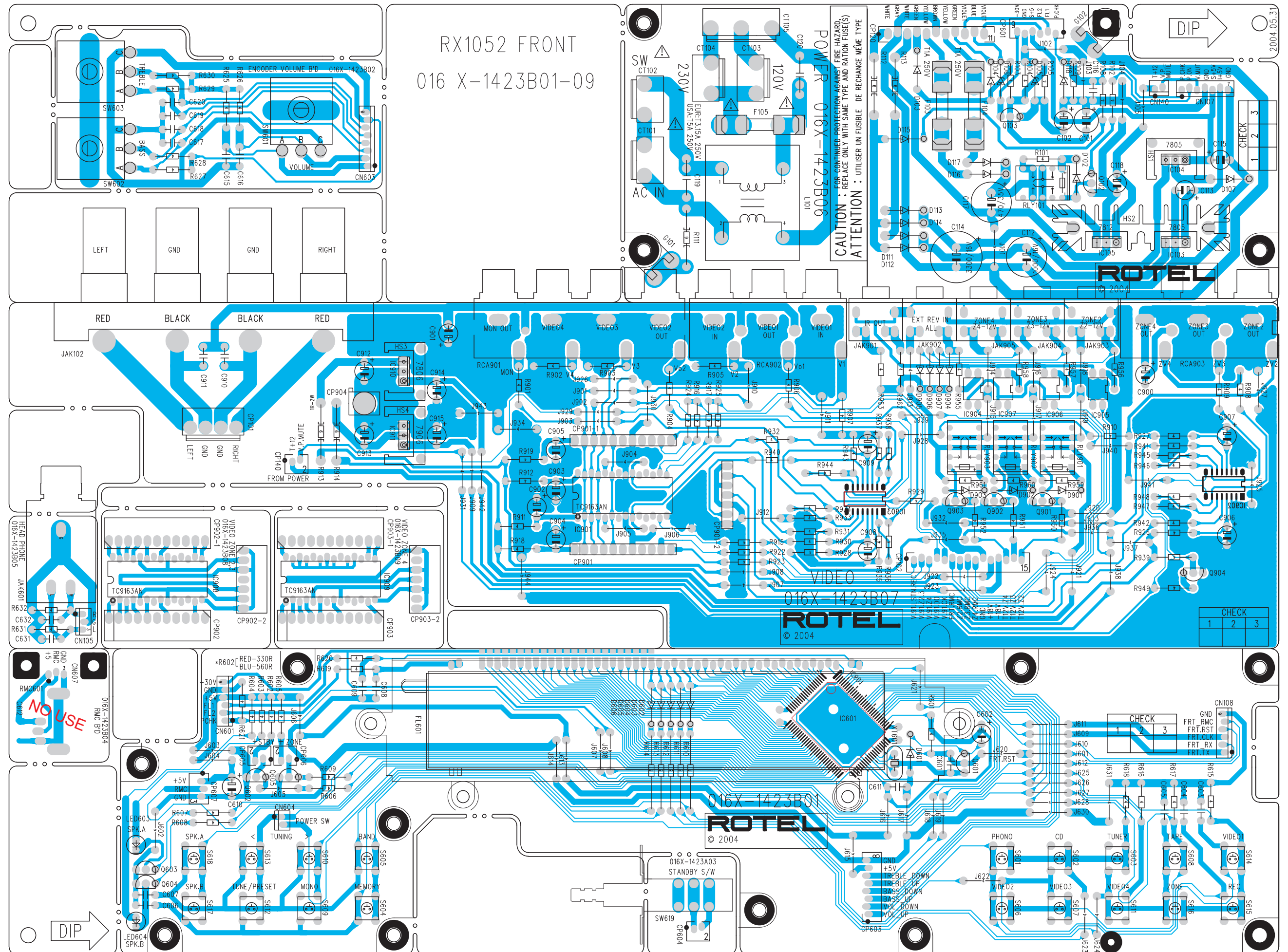


Main,Tone PCB 016 X-1481A01~02

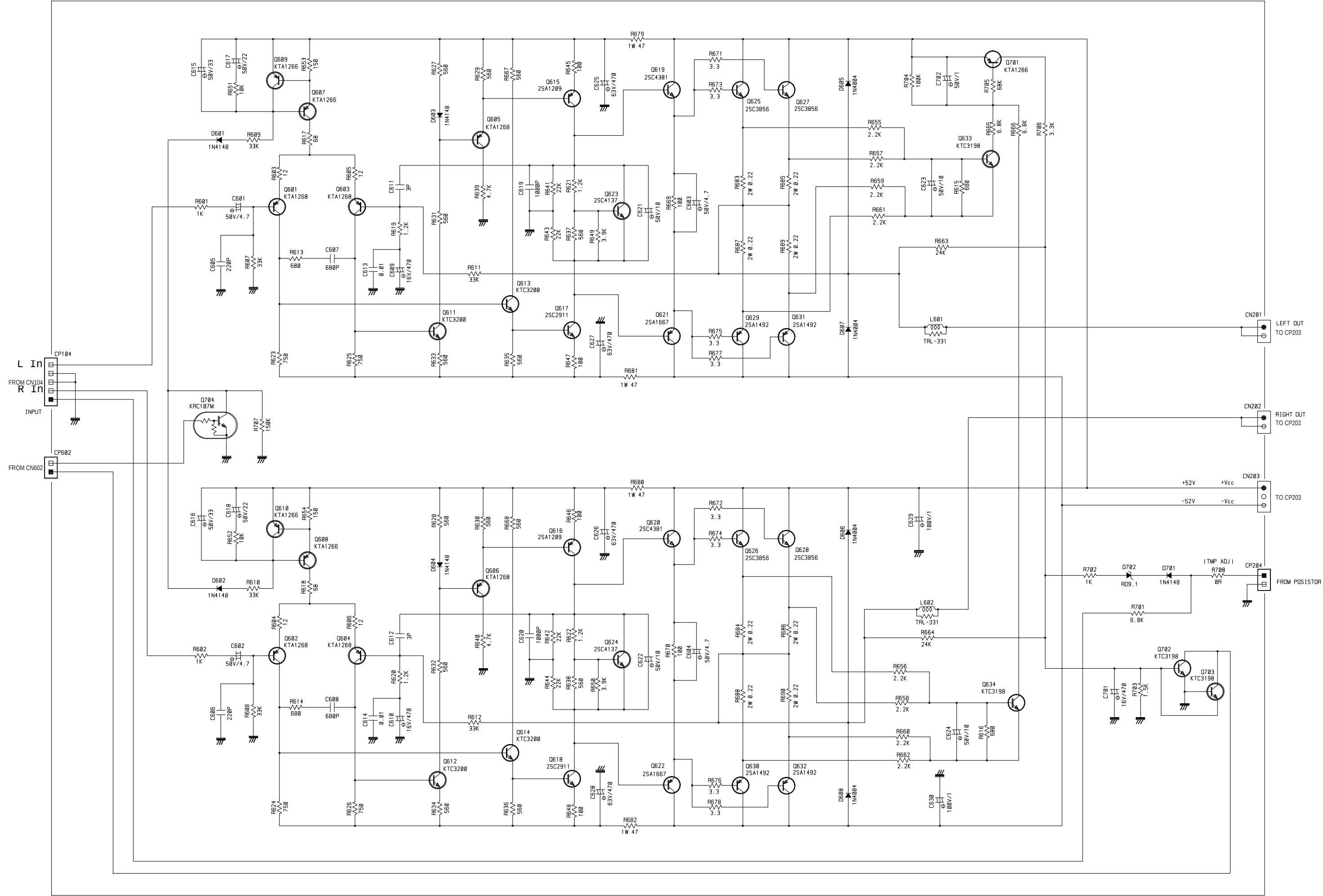
Bottom View



RX1052 FRONT
016 X-1423B01-09



RX-1052/ V02/ V03



C153F



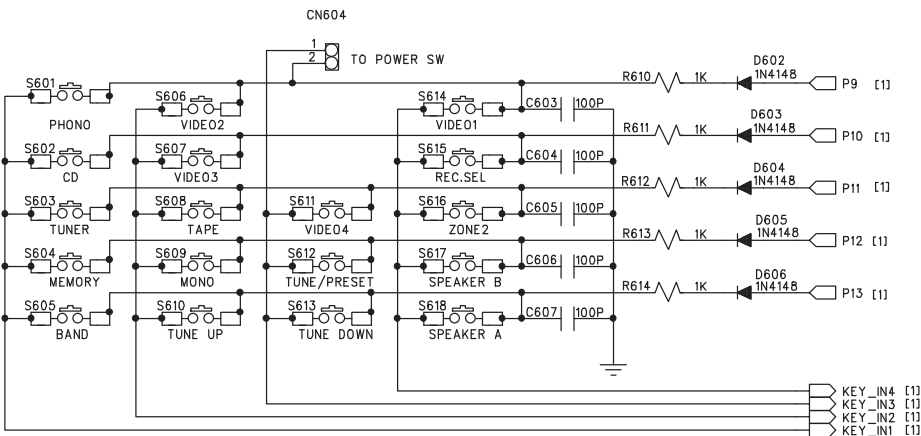
016 X-1481A01~02



016 X-1481A01~02

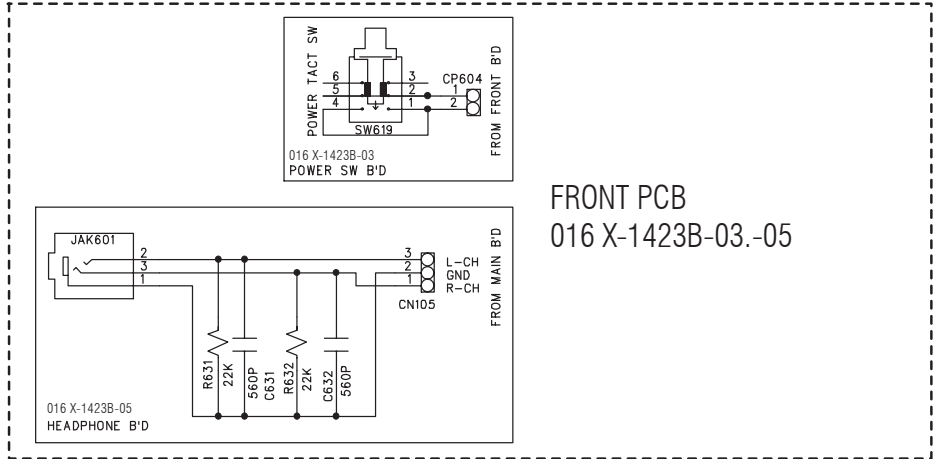
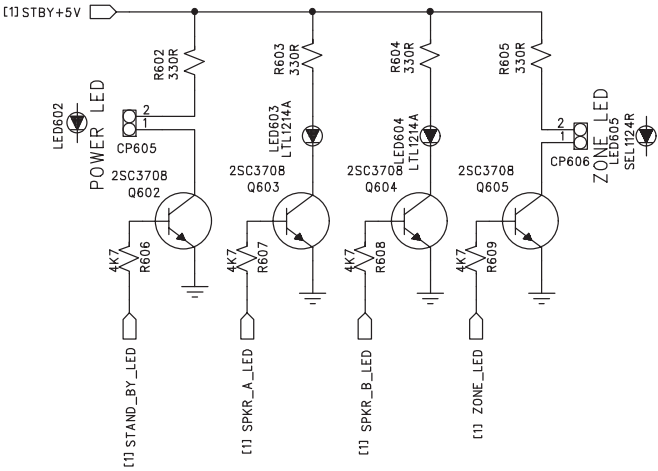


Front PCB (1/3) 016 X-1423B01~09

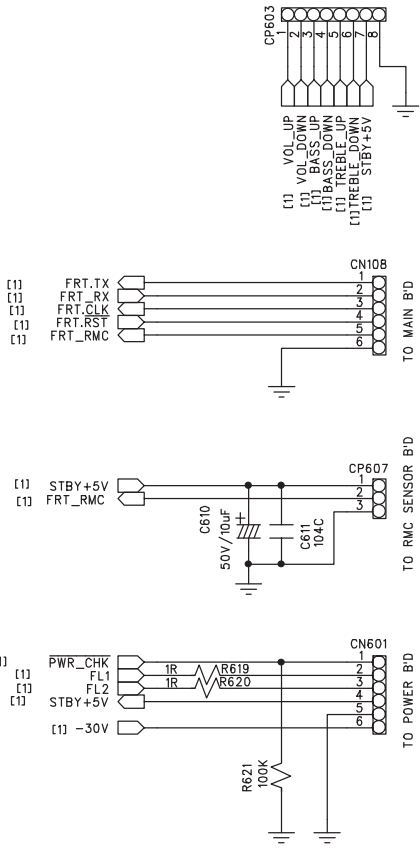
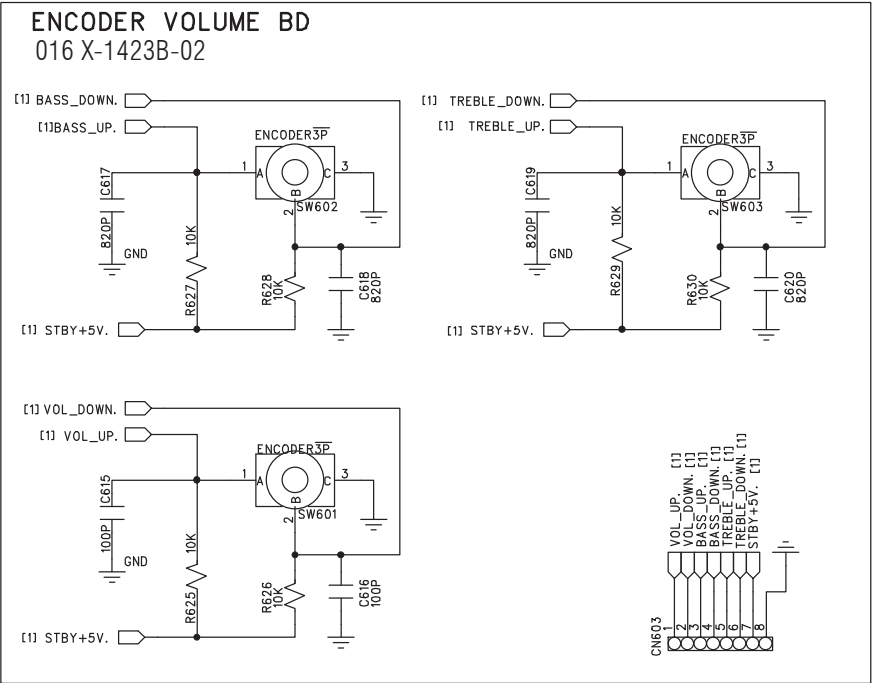
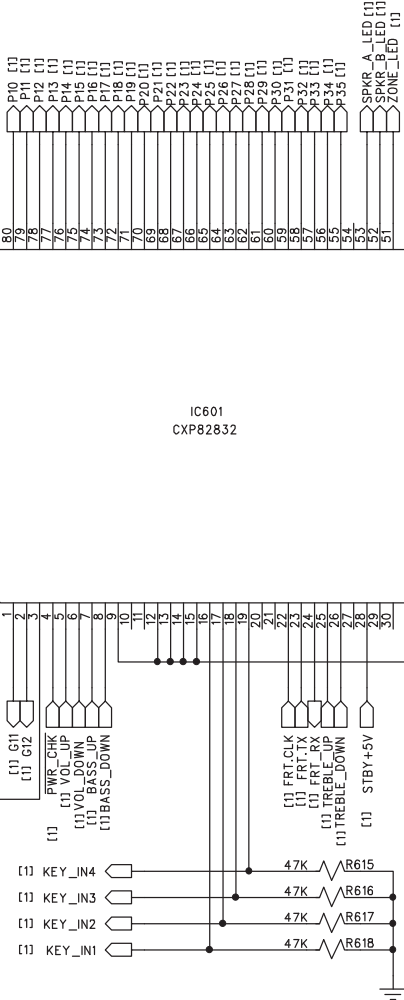
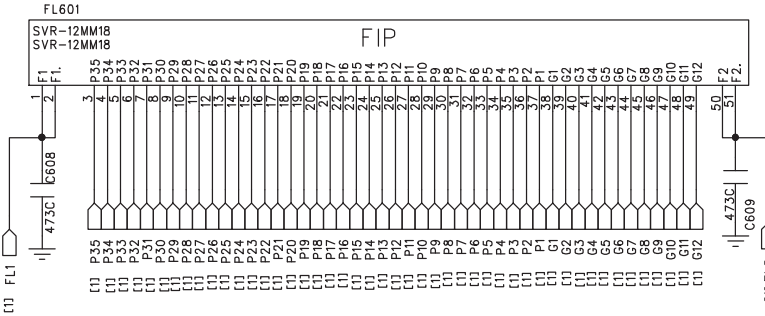


* PANEL & LED COLOR

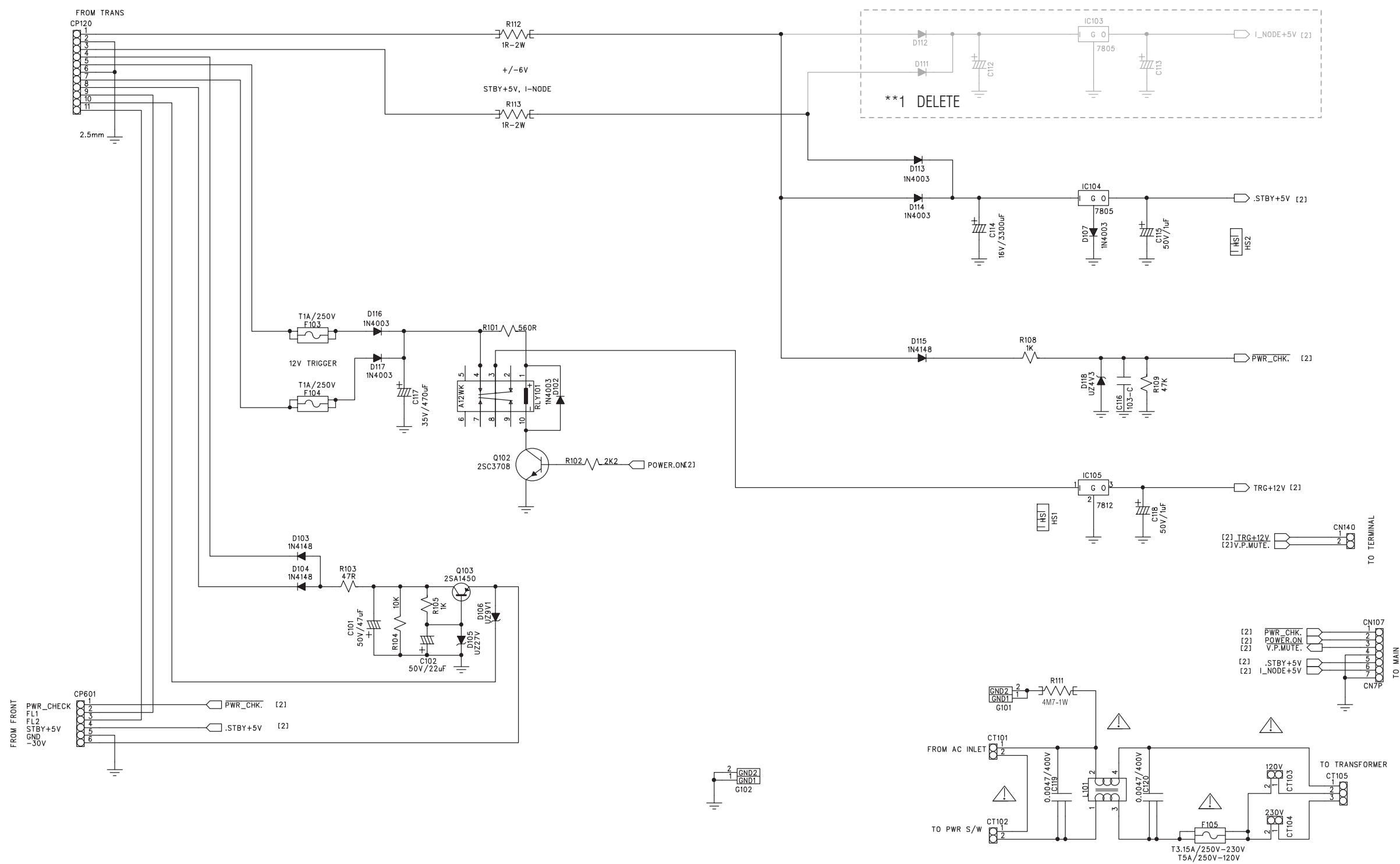
PANEL	LED	LED602	R602
BLK	RED	SEL1124R	330R
SLV	BLU	SEL1E24W	560R

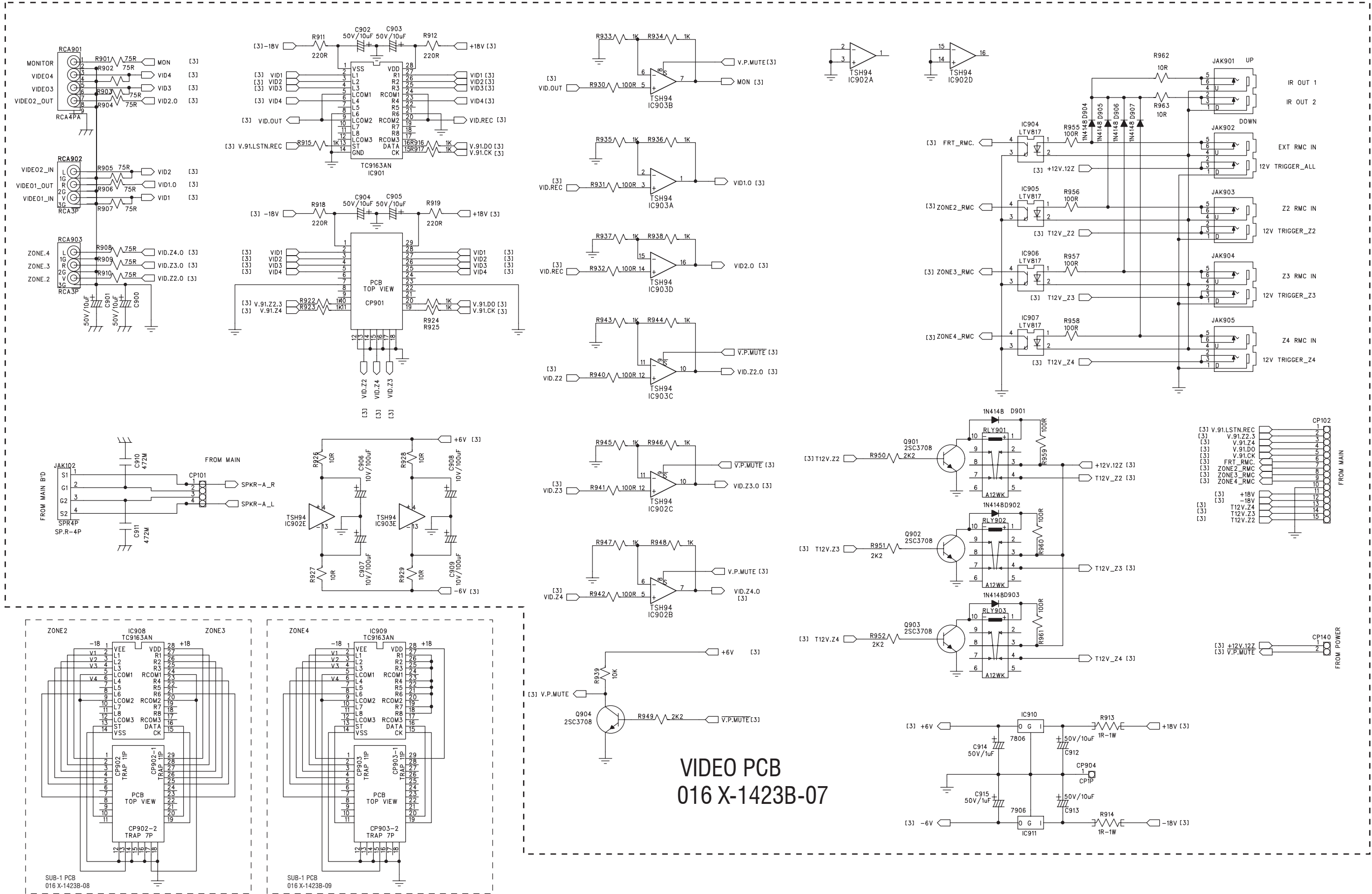


FRONT PCB
016 X-1423B-03.-05



Front PCB (2/3) 016 X-1423B01~09





Tuner Pack 092MB114MS1-1B

