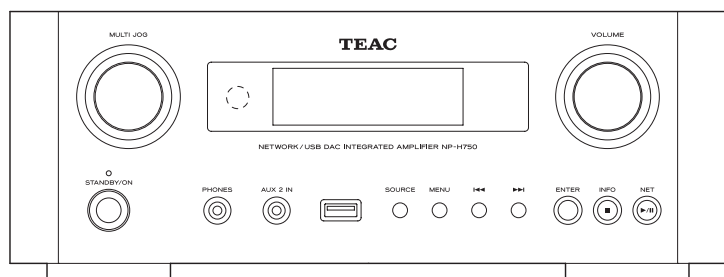


TEAC



SERVICE MANUAL

NP-H750

Network / USB DAC Integrated Amplifier

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INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

1. Specifications

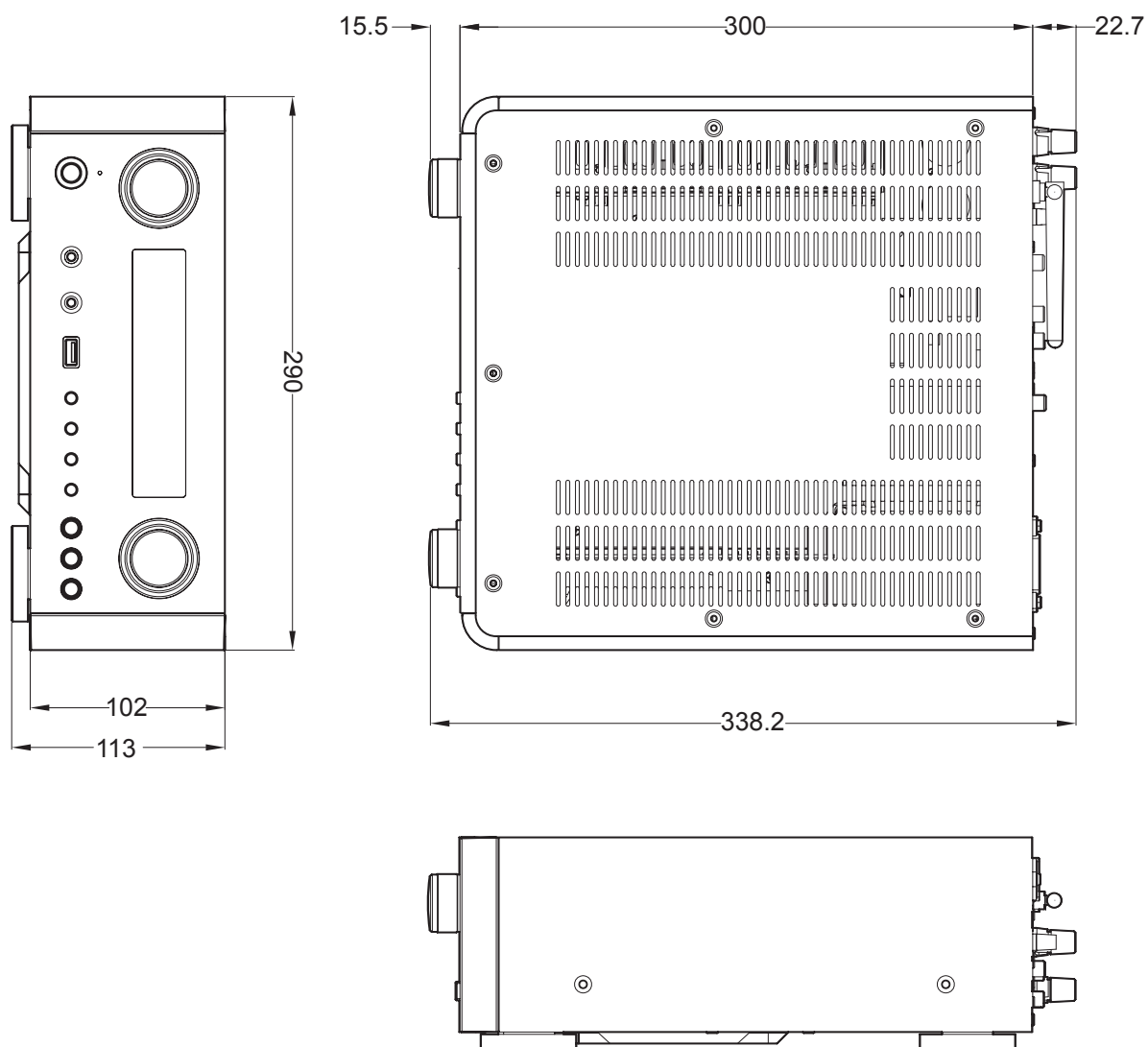
仕様

Amplifier	
Output Power	: 40 W + 40 W (6 Ω, 0.5 %, 1 kHz)
Input Sensitivity	: PHONO: 2.5 mV/47 kΩ AUX1, AUX2: 200 mV/47 kΩ
Frequency Response	: 20 Hz to 60 kHz (+1/−3 dB)
Subwoofer pre-out	: 10 Hz to 35 Hz
USB port (front panel)	
USB-A connector	: USB 2.0 compliant
Playable format	: WAV, FLAC, MP3, OGG, WMA, AAC
Frequency Response	: 20 Hz to 20 kHz (±2 dB)
Signal-to-Noise Ratio	: more than 85 dB
Power supplied	: 500 mA – 2100 mA
USB audio input connector (rear panel)	
USB-B connector	: USB 2.0 compliant
Sampling frequency	: 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192kHz
Quantization bit rates	: 16/24-bits
Internet Radio	
Format	: WAV, FLAC, MP3, OGG, WMA
Internet connection	
LAN terminal	: 10/100 BASE-T
Wireless LAN	: IEEE 802.11b compliant (modulation method: DSSS) IEEE 802.11g compliant (modulation method: OFDM)
Security	: WEP, WPA-PSK, WPA2-PSK
Digital audio inputs	
COAXIAL digital	: RCA jack × 1 (0.5 Vp-p/75 Ω)
(0.5 Vp-p/75 Ω)	: Optical digital connector (rectangular) × 1 (−24.0 to −14.5 dBm peak)
GENERAL	
Power Requirements	
European model	: AC 230 V, 50 Hz
North American model	: AC 120 V, 60 Hz
Power Consumption	
120 W	
less than 0.5 W (standby)	
External dimensions	
Dimensions (W x H x D)	
290 × 113 × 340 mm	
(9 3/8" × 3 3/4" × 11")	
Weight	
5.4 kg (12 lb)	

アンプ	
定格出力	: 40W + 40W (6Ω、0.5%、1kHz)
入力感度	: Phono: 2.5mV/47kΩ AUX1、AUX2: 200mV/47kΩ
周波数特性	: 20Hz ～ 60kHz(+1/−3dB)
サブウーハー出力	: 10Hz ～ 35Hz
USB端子(フロントパネル)	
USB-A 端子	: USB2.0準拠
再生可能フォーマット	: WAV,FLAC,MP3,OGG,WMA,AAC
周波数特性	: 20Hz ～ 20kHz(±2dB)
S/N比	: 85dB以上
供給電流	: 500mA ～ 2100mA
USBオーディオ入力端子 (リアパネル)	
USB-B端子	: USB2.0準拠
サンプリング周波数	: 32/44.1/48/88.2/96/176.4/192kHz
量子化ビット数	: 16/24bits
インターネットラジオ	
フォーマット	: WAV,FLAC,MP3,OGG,WMA
インターネット接続	
LANターミナル	: 10/100BASE-T
無線LAN規格	: IEEE 802.11b 準拠 (変調方式: DSSS) IEEE 802.11g 準拠 (変調方式: OFDM)
周波数帯域	: 2,412MHz ～ 2,472MHz (5MHzステップ)
CH数	: 13CH
セキュリティ	: WEP, WPA-PSK, WPA2-PSK
デジタル音声入力端子	
同軸デジタル	: RCA端子 × 1 系統 (0.5Vp-p/75Ω)
光デジタル (OPTICAL)	: 角型光デジタル端子 × 1系統 (− 24.0 ～ − 14.5dBm peak)
一般	
電源電圧	: AC 100V、50-60Hz
消費電力	: 120W
待機電力	: 0.5W未満(スタンバイ時)
外形寸法(幅、高さ、奥行)	: 290 x 113 x 340mm
質量	: 5.4kg

2. Dimensional drawings

寸法図



3. Updating the firmware

ファームウェアアップデート

When you replace the MAIN PCB(Parts Number: COP12493B, Parts Name: NP-H750 EUR MAIN PCB ASS'Y) , please refer to the [P56-"Updating the firmware using a USB flash drive"] of the OWNER'S MANUAL , to update the firmware.

MAIN PCB (品番 : COP12493B、品名 : NP-H750 EUR MAIN PCB ASS'Y)を交換した際は、取扱説明書の[P48-"USB でアップデートする"]を参照して、ファームウェアアップデートを行ってください。

4. Product ErP2 Instructions

本機の ErP 対応説明

CAUTION

This product is compliant with the European ErP Standby Power Regulation. In order to comply with this regulation, the automatic power saving function of this unit is set to 30 minutes when shipped new, so the unit will automatically enter standby if 30 minutes pass under the conditions shown in the table on the back of this page. If you want to disable the automatic power saving function, please refer to "About the ErP" in the Owner's Manual for instructions.

Status	AirPlay, iPod/iPhone/ iPad	USB flash drive	Media player, Internet	External input
No connection	√	√	√	√
Stopped/ paused	√*	√	√	
No input signal	-	-	-	√

External input: USB Audio In, COAXIAL, OPTICAL, PHONO, AUX 1/2

√ Automatic power saving function active

- Automatic power saving function not active

* Compatible only with AirPlay

/ Non applicable

注意

本製品は、欧州待機時電力規制（ErP）対応製品です。

上記規制対応のため、製品出荷時のオートパワーセーブ機能が30分に設定されており、裏面の表に記載されている条件で30分経過すると自動的にスタンバイになります。

オートパワーセーブ機能を無効にしたい場合は、取扱説明書の「ErP について」をご確認ください。

状態	AirPlay iPod/ iPhone/ iPad	USB メモリー	メディア プレーヤー インターネット	外部入力
接続なし	○	○	○	○
停止/一時停止	○*	○	○	
入力信号なし	×	×	×	○

外部入力：USB Audio In, COAXIAL, OPTICAL, PHONO, AUX 1/2

○：オートパワーセーブ機能が動作する

×：オートパワーセーブ機能が動作しない

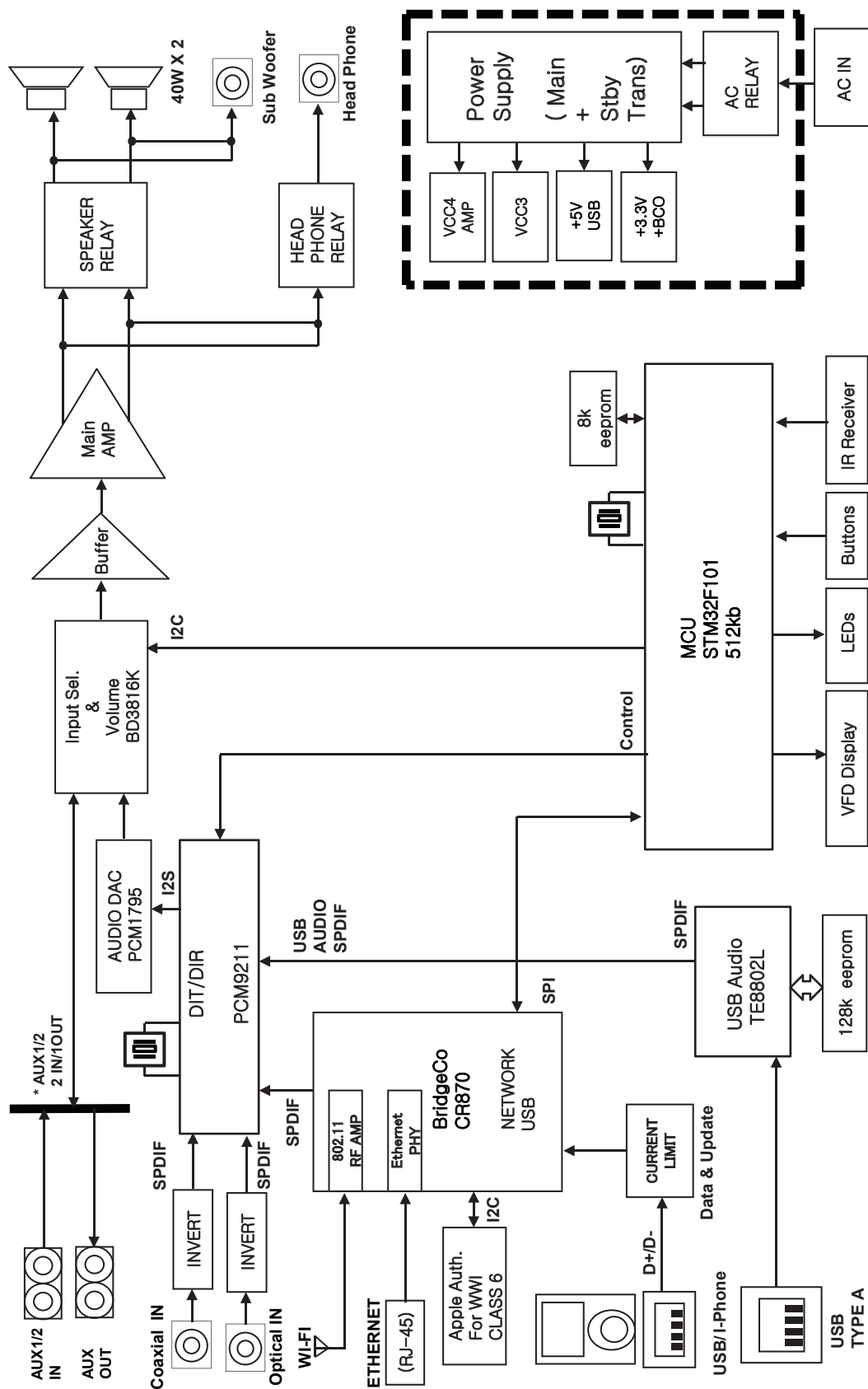
*：AirPlay のみ対応

/：機能なし

5. Block Diagram

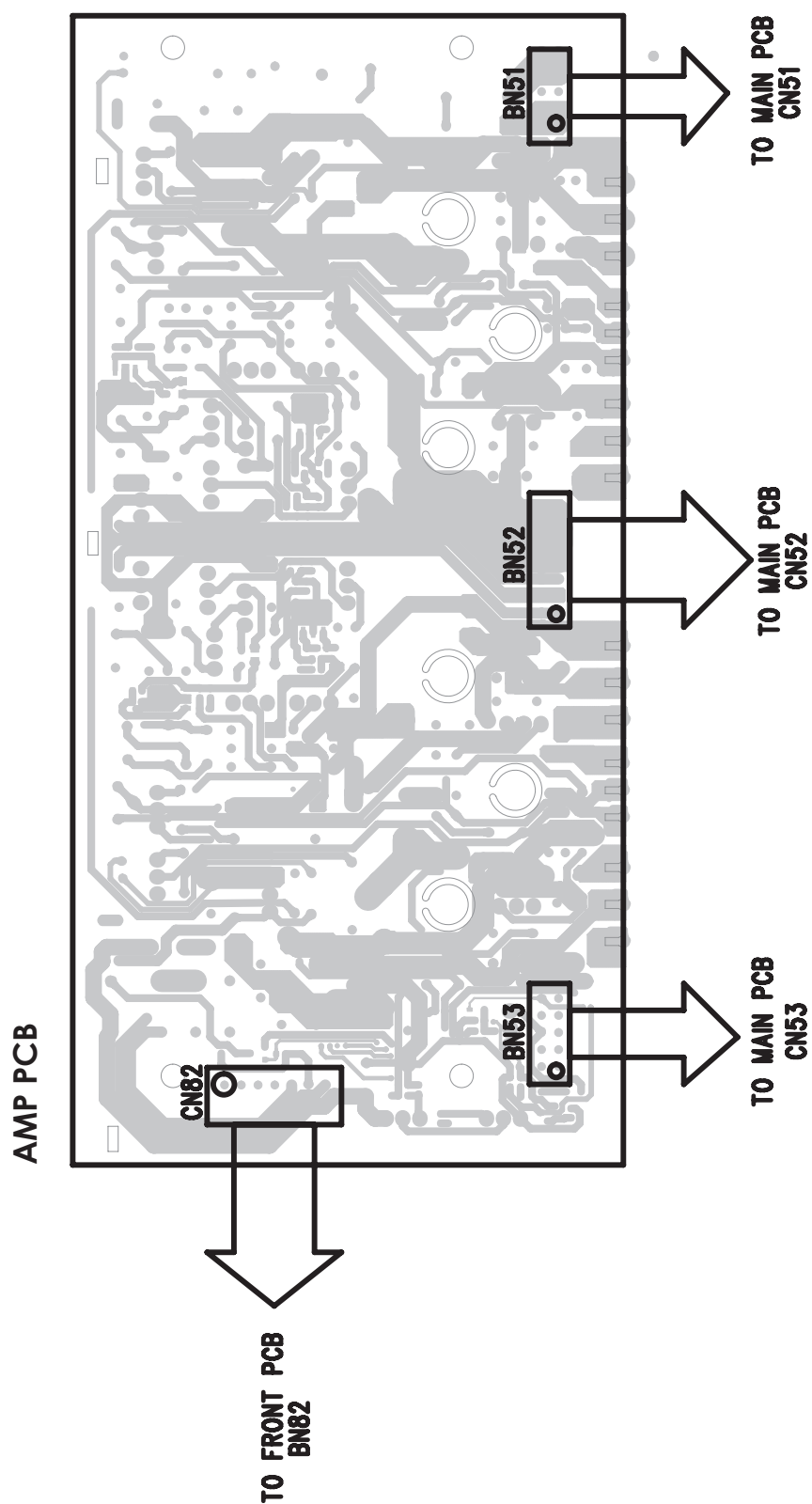
ブロックダイアグラム

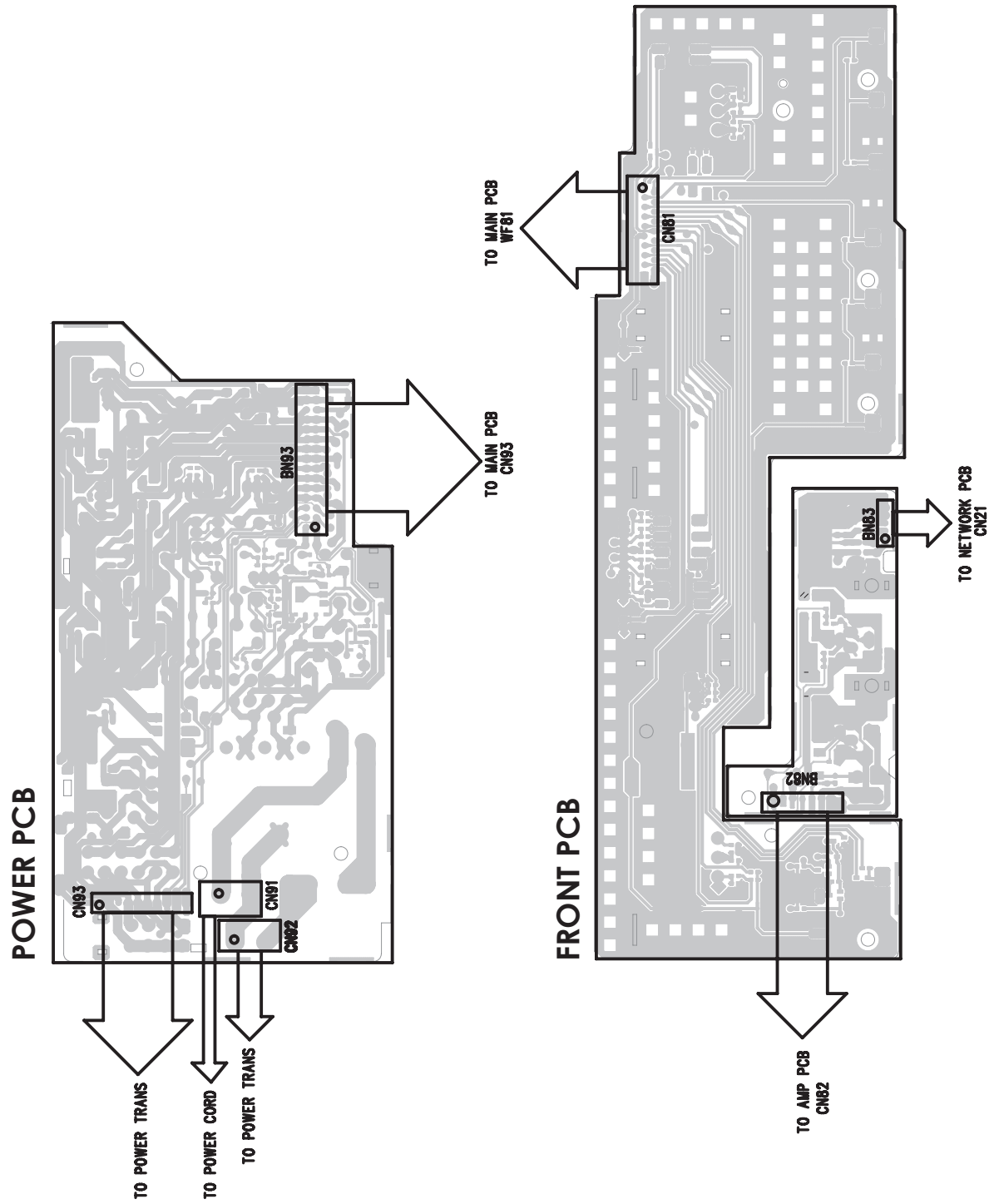
NP-H750 Block Diagram

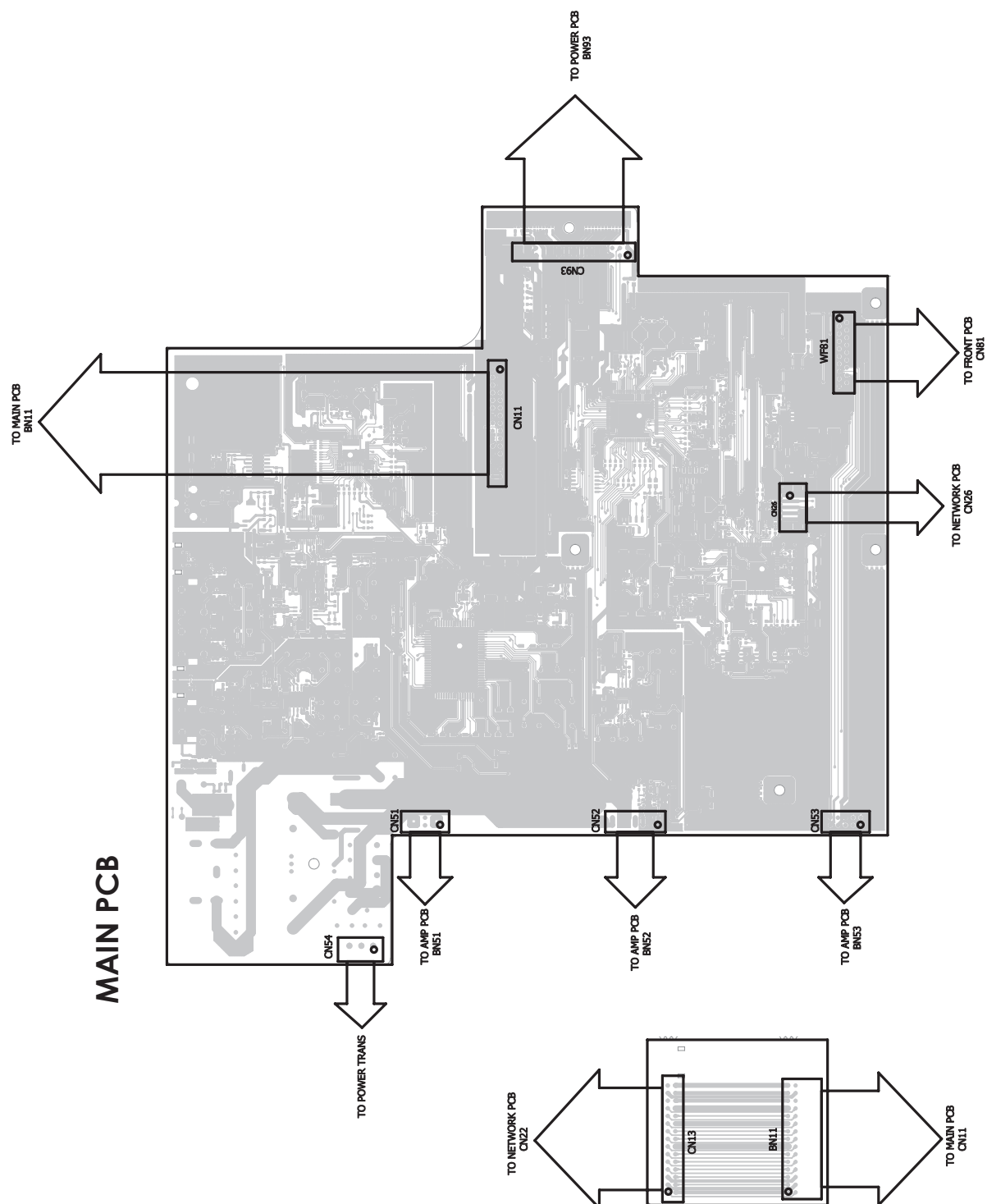


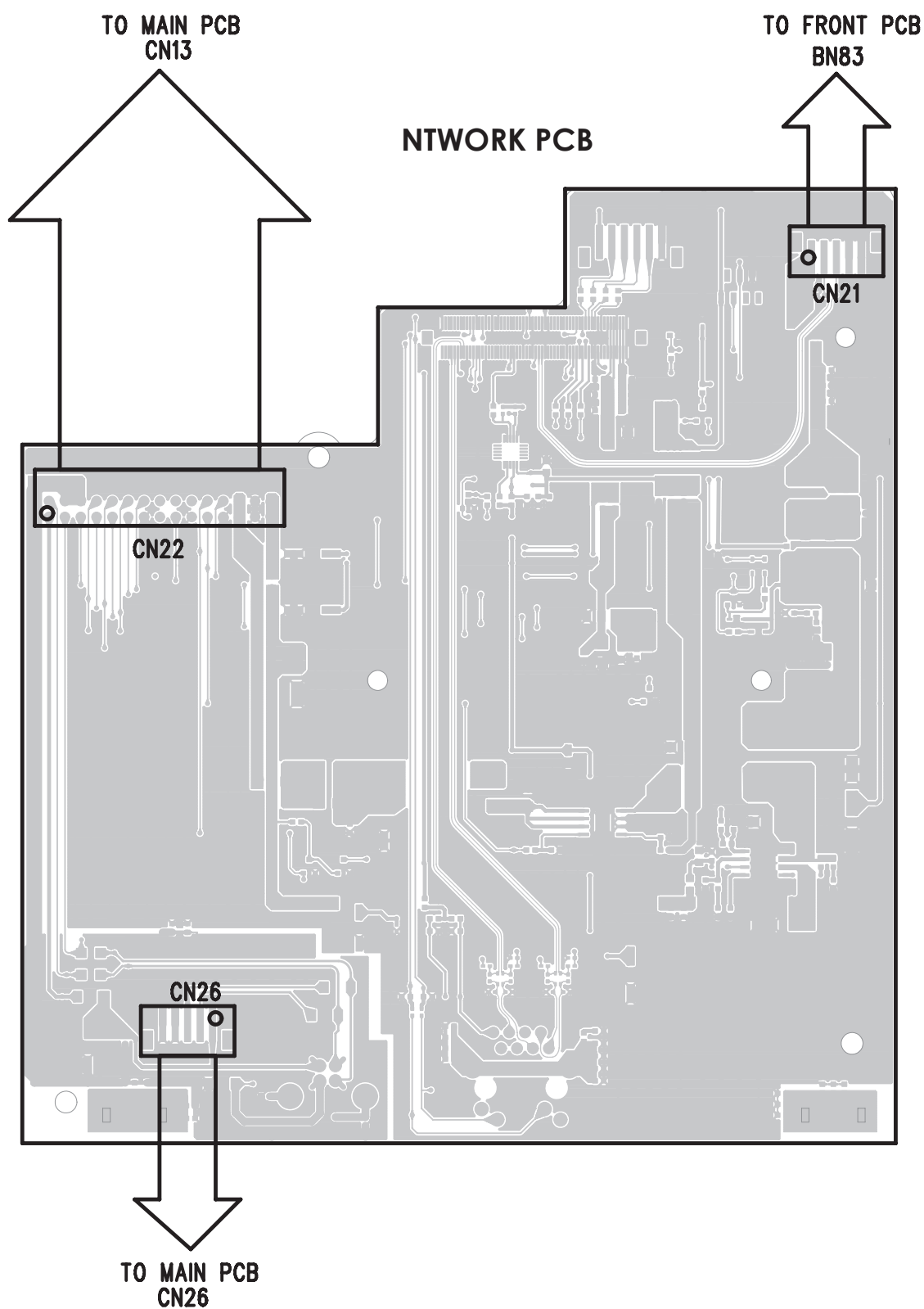
6. Wiring Diagram

結線図







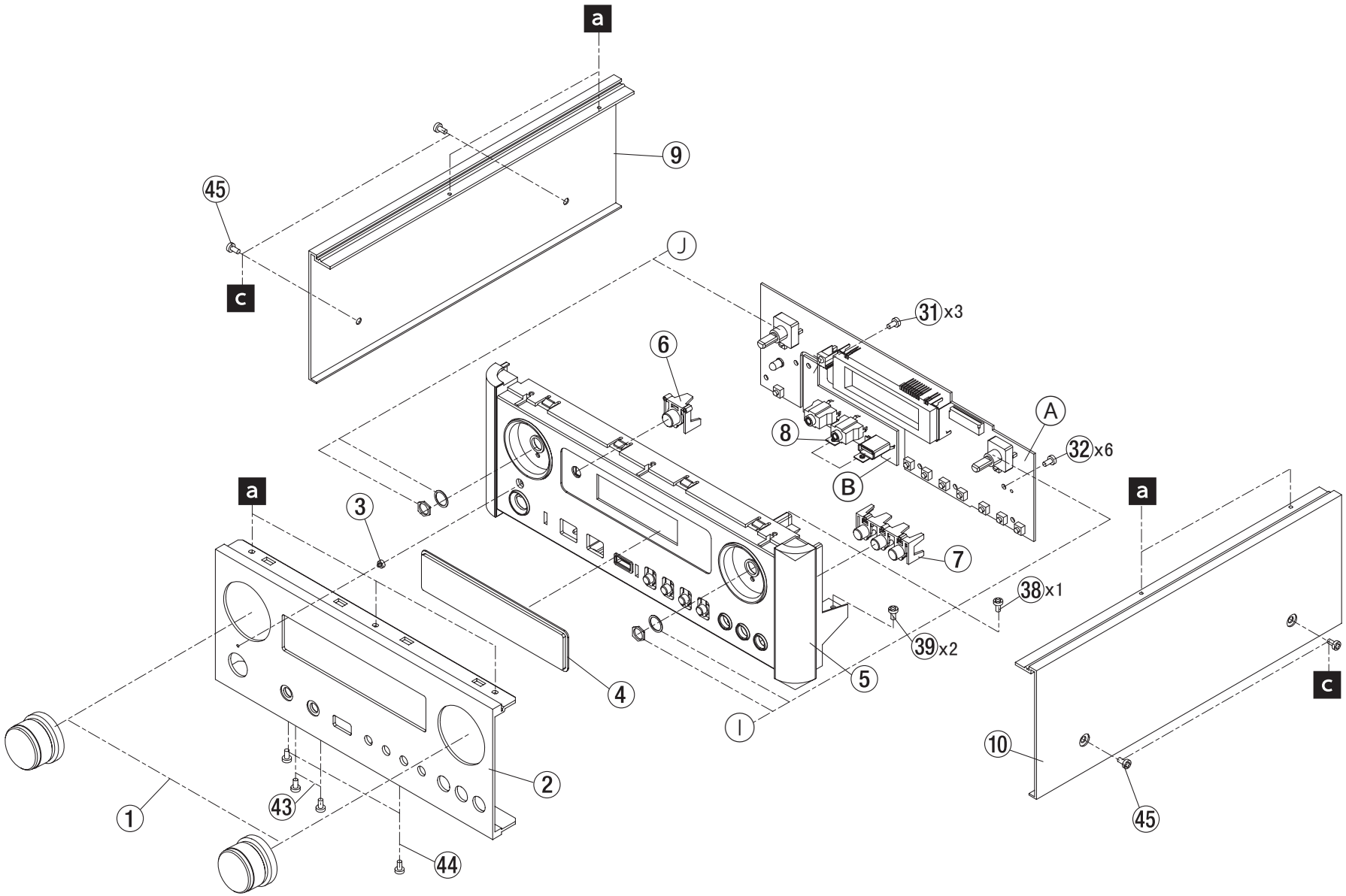


7. Exploded Views and Parts List

分解図とパーツリスト

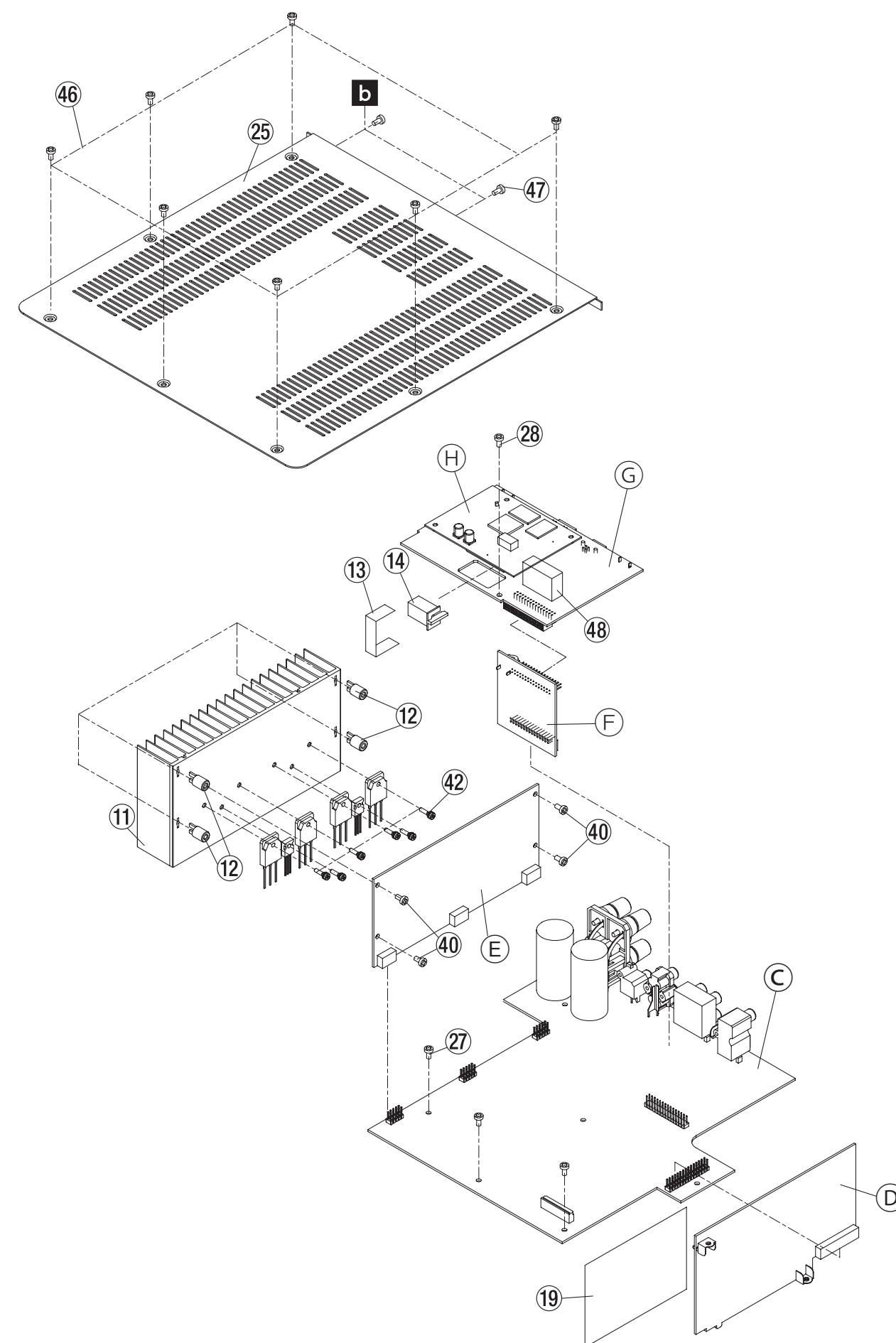
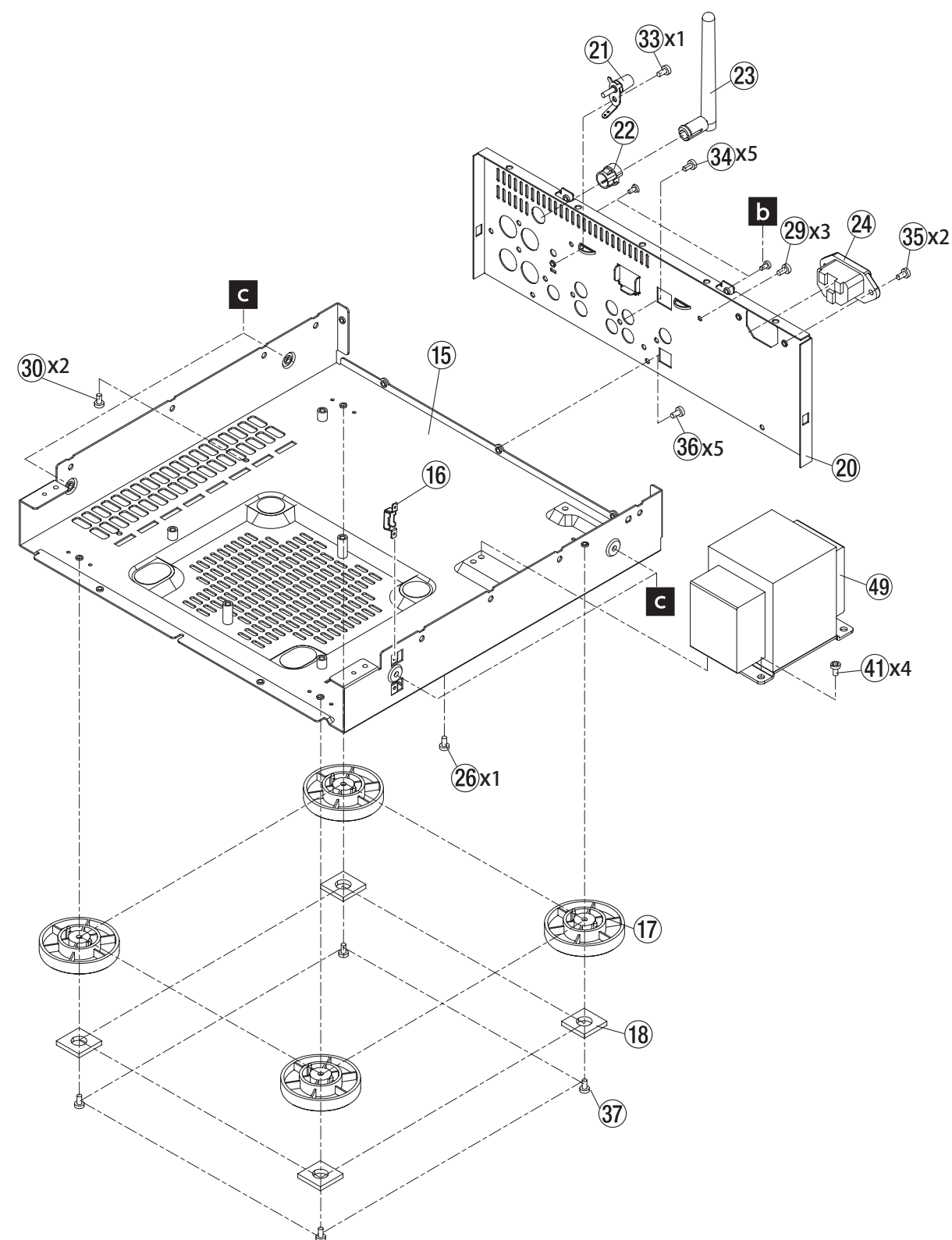
CAUTION Part with numbers in parentheses () cannot be ordered.

注意 "()"付き品番は、発注できません。



CAUTION Part with numbers in parentheses () cannot be ordered.

注意 "()"付き品番は、発注できません。



CAUTION Part with numbers in parentheses () cannot be ordered.**注意** "()"付き品番は、発注できません。**Exploded View Parts List**

REF.NO.	PARTS NO.	DESCRIPTION .	QTY	REMARKS
1	CGK1A098XA	VOLUME KNOB ASS'Y	2	BLACK
	CGK1A098YA	VOLUME KNOB ASS'Y	2	SILVER
2	CKM1A255ZC61	PANEL,FRONT	1	BLACK
	CKM1A255XC71	PANEL,FRONT	1	SILVER
3	CGL1A268	INDICATOR,FUNCTION	1	
4	CGU1A442X	WINDOW,DISPLAY	1	
5	CGW1A531K122	PANEL,SUB	1	BLACK
	CGW1A531M7G5	PANEL,SUB	1	SILVER
6	CBT1A1119K122	BUTTON,POWER	1	BLACK
	CBT1A1119M7G5	BUTTON,POWER	1	SILVER
7	CBT1A1120VK122	BUTTON,MODE	1	BLACK
	CBT1A1120M7UG5	BUTTON,MODE	1	SILVER
8	CMC1A375	PLATE,EARTH	2	
9	CKM1A222C61	PANEL,LEFT	1	BLACK
	CKM1A222C71	PANEL,LEFT	1	SILVER
10	CKM1A223C61	PANEL,RIGHT	1	BLACK
	CKM1A223C71	PANEL,RIGHT	1	SILVER
11	CMY2A330	HEAT SINK	1	
12	CMH1A119	SUPPORT,HEAT SINK	4	
13	CHS1A032	TAPE,HIMELON	1	
14	CMH1A323-V1	FIXING,PCB	1	
15	CUA3A304	CHASSIS,BOTTOM	1	
16	CMD1A495	COVER,SCREW	1	
17	CKL1A047H45	FOOT	4	
18	CHG1A360	CUSHION,FOOT	4	
19	CMX1A277	INSULATOR	1	
20	CKF3A450Z(EUR)/Y(JPN)/X(T/C)	PANEL,,REAR	1	
21	CMA1A006	GROUND,TERMINAL	1	
22	CSA275H	HOLDER,ANT	1	
23	CSA275H	ANTTENA	1	
24	CWB4F032320UKA	AC INLET	1	
25	CKC2A200B25	COVER,TOP	1	BLACK
	CKC2A200G51	COVER,TOP	1	SILVER
26	CTB3+6FR	SCREW	1	
27	CTB3+6FR	SCREW	6	
28	CTB3+6FR	SCREW	1	
29	CTB3+6FFZR	SCREW	3	
30	CTB3+8JR	SCREW	2	
31	CTB3+8JR	SCREW	3	
32	CTB3+8JR	SCREW	6	
33	CTB3+8JRZR	SCREW	1	
34	CTB3+8JRZR	SCREW	5	
35	CTB3+8JRZR	SCREW	2	

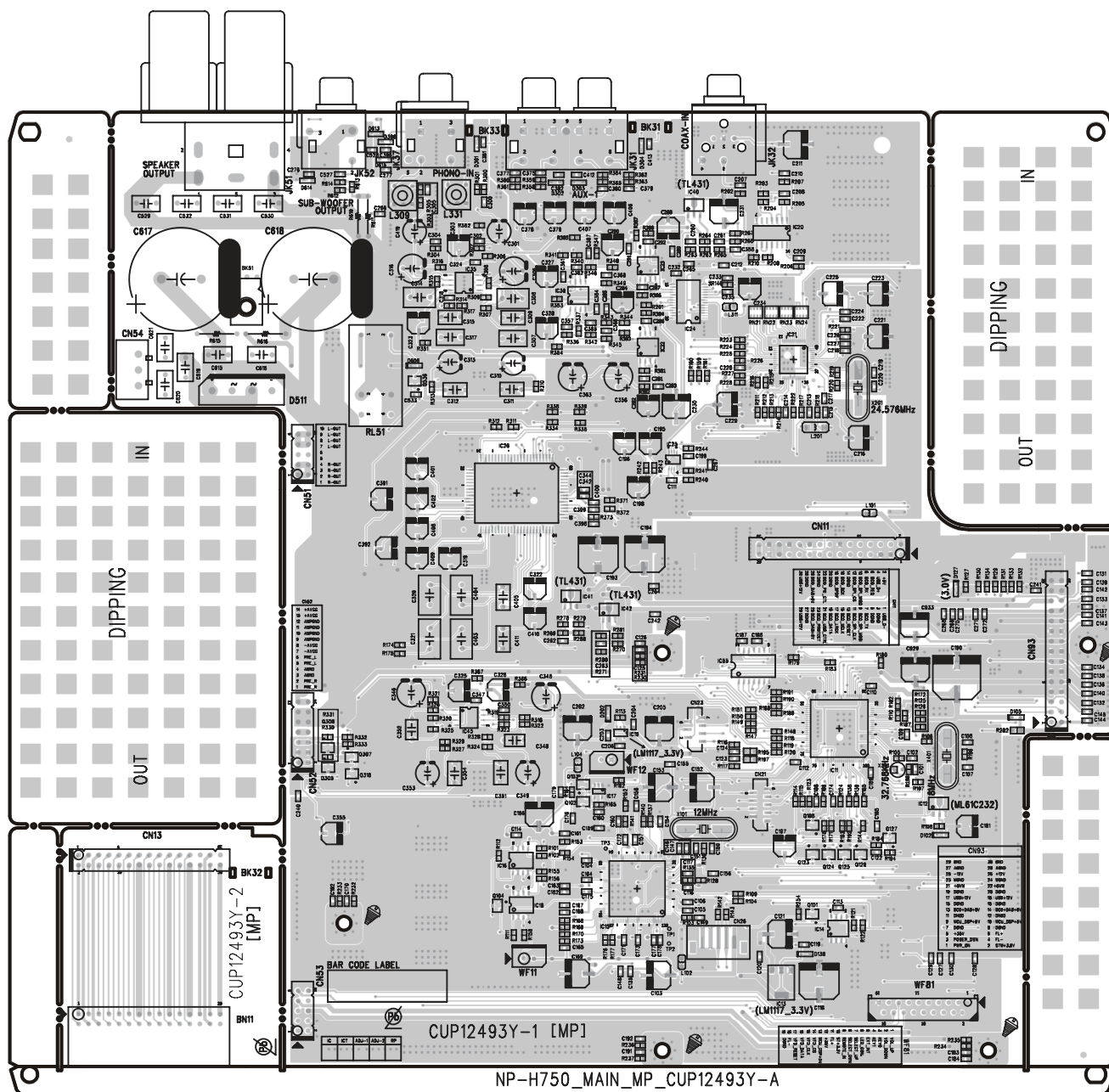
CAUTION Part with numbers in parentheses () cannot be ordered.**注意** "()"付き品番は、発注できません。**Exploded View Parts List**

REF.NO.	PARTS NO.	DESCRIPTION .	QTY	REMARKS
36	CTB3+8JRZR	SCREW	5	
37	CTW3+8JR	SCREW	4	
38	CTW3+8JR	SCREW	1	
39	CTW3+8JR	SCREW	2	
40	CTW3+18JR	SCREW	4	
41	CTB4+6FR	SCREW	4	
42	CHD3A012R	SCREW,SPECIAL	6	
43	CTBD3+8JFZR	SCREW	2	
44	CTBD3+8JFZR	SCREW	2	
45	CHD1A080FFZR	SCREW	4	
46	CHD2A079JFZR	SCREW	7	
47	CHD2A079JFZR	SCREW	2	
48	CHG1A580	CUSHION,EVA	1	
49	CLT5PO53ZE	TRANS	1	[EUR] ⚠
	CLT5PO53ZJ	TRANS	1	[JPN] ⚠
	CLT5PO53ZU	TRANS	1	[T/C] ⚠
A	COP12495B(EUR)/C(JPN)/D(TC)	FRONT PCB ASS'Y	1	21 "FRONT/PWR PCB, NP-H750 G"
B	COP12495B(EUR)/C(JPN)/D(TC)	USB PCB ASS'Y	1	
C	COP12493B	MAIN PCB ASS'Y	1	16 "GATHER PCB, MAIN NP-H750 G"
D	COP12495B(EUR)/C(JPN)/D(TC)	POWER PCB ASS'Y	1	
E	COP12418C	AMP PCB ASS'Y	1	24 "GATHER PCB, AMP NP-H750 G"
F	COP12493B	CONNECT PCB ASS'Y	1	
G	COP12494B	ETHERNET PCB ASS'Y	1	
H	CNVCR870-2G	Ethernet Module	1	
I	CSR2A036Z	ENCODER VR	1	22 "GATHER PCB, FRONT/PWR NP-H750 G" VR81
J	CSR2A034Z	VR , ENCODER	1	22 "GATHER PCB, FRONT/PWR NP-H750 G" VR82

8. PC Boards and Parts List

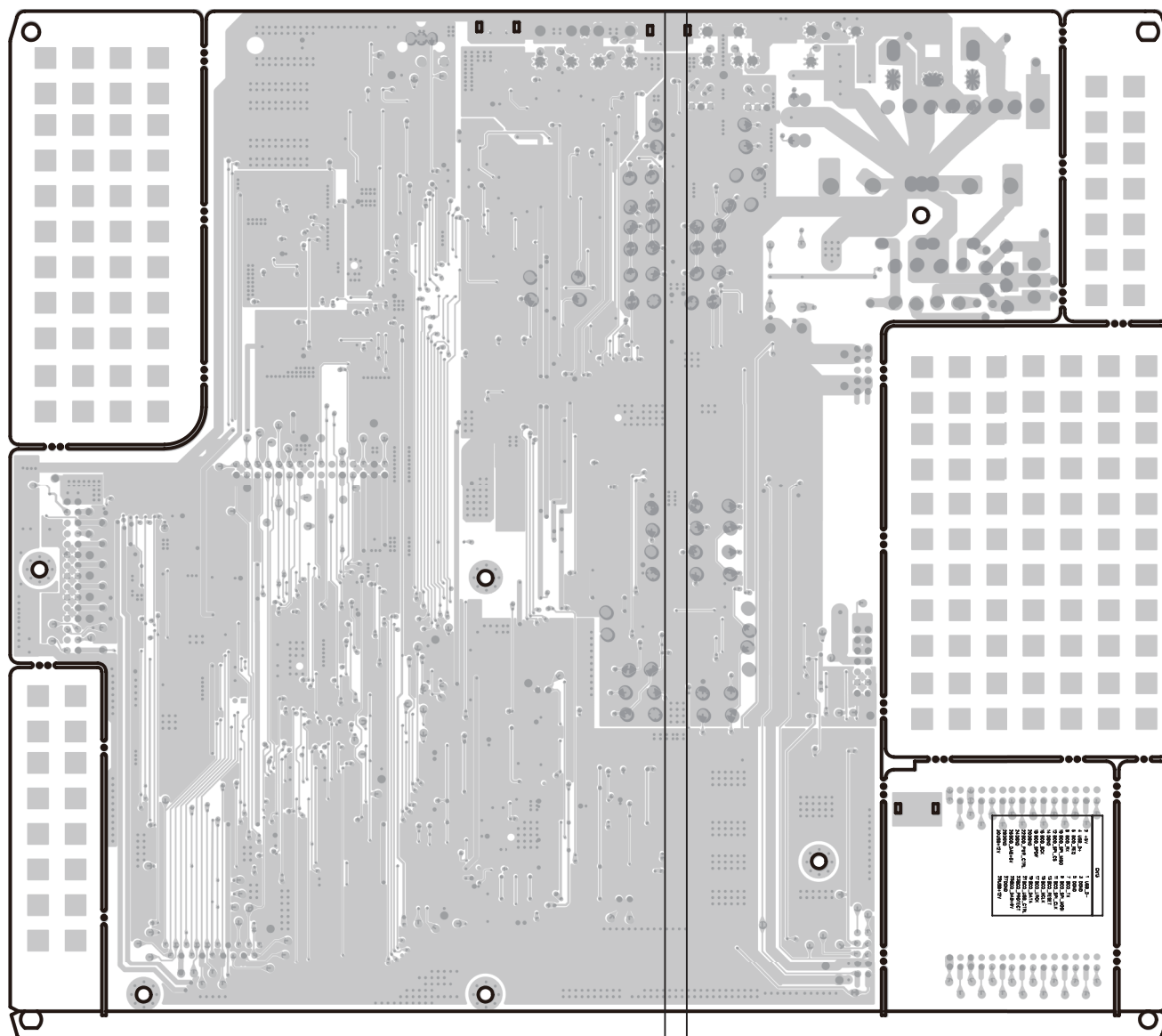
基板図とパーツリスト

GATHER PCB, MAIN NP-H750 G (Side A)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

GATHER PCB, MAIN NP-H750 G (Side B)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

CAUTION

Part with numbers in parentheses () cannot be ordered. If you want to order service parts, be sure to use "Child" part numbers (numbers in Bold), which refer to individual parts of a parent part.

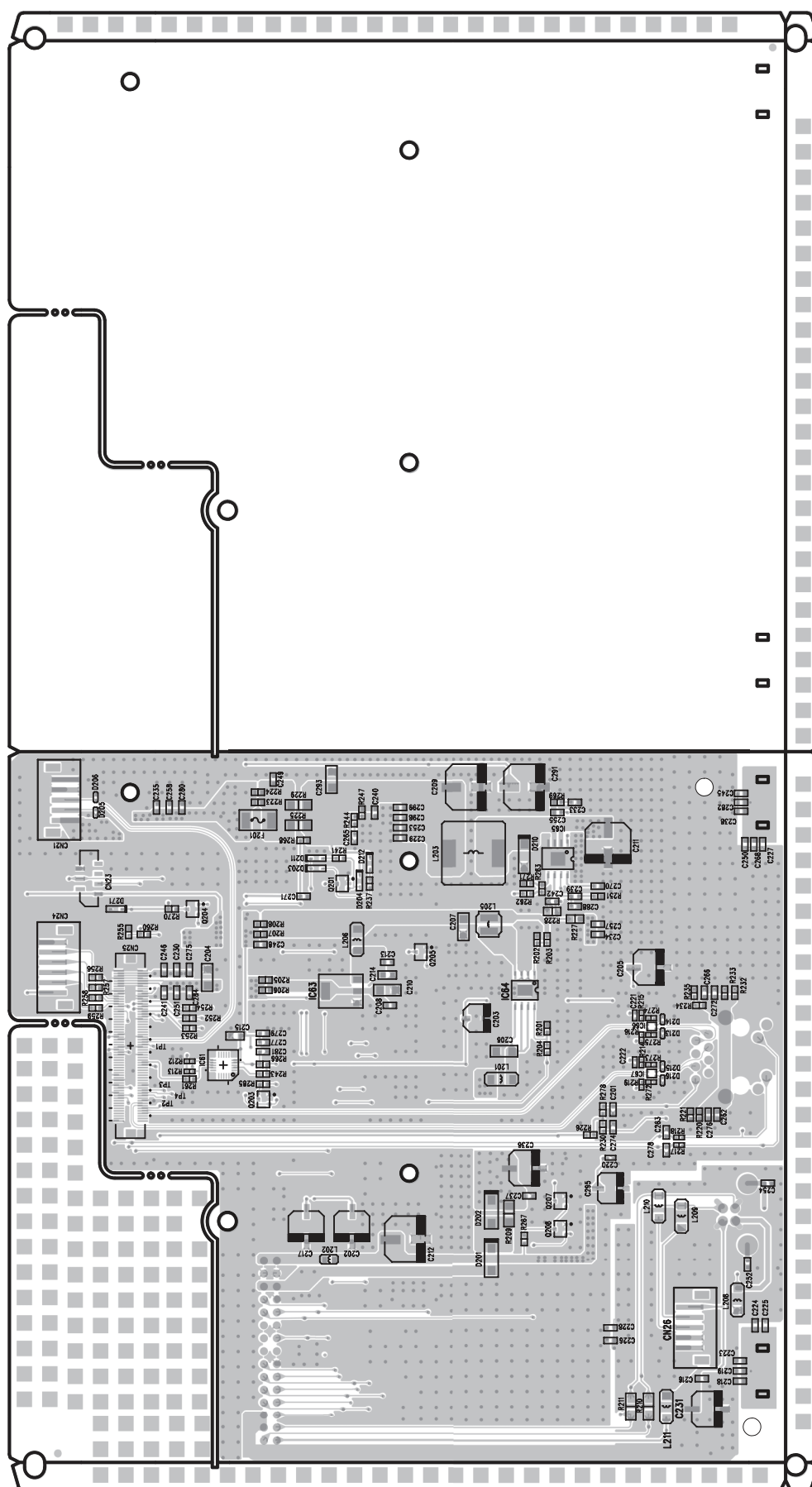
注意

"()"付き品番は、発注できません。補修部品を発注する際は、太字品番で発注してください。

GATHER PCB, MAIN NP-H750 G MIAN 基板

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS	REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
	COP12493B	NP-H750 EUR MAIN PCB ASS'Y		Q305	HVTKTC2875B	T.R , CHIP , SOT-23	
	COP12493C	NP-H750 TC MAIN PCB ASS'Y		Q307	HVTKRA107S	T.R , CHIP , SOT-23	
	COP12493D	NP-H750 JPN MAIN PCB ASS'Y		Q308	HVTKTC2875B	T.R , CHIP , SOT-23	
	<i>CUP12493Y</i>	<i>PCB, MAIN NP-H750(278X247, FR-4/2L)</i>		Q318	HVTKRC102S	T.R , CHIP , SOT-23	
D102	CVD1SS355T	DIODE , CHIP , SWITCHING		Q536	HVTKRC107S	T.R , CHIP , SOT-23	
D105	CVD1SS355T	DIODE , CHIP , SWITCHING		X101	COX12000E180S	X-TAL, 12.000MHZ, HC-49/SMD, 18PF,30PPM	
D127	HVDUDZS3.0BSR	DIODE , ZENER(CHIP,3.0V)		X201	COX24576E180S	X-TAL, 24.576MHZ, HC-49/SMD, 18pF	
D138	CVD1SS355T	DIODE , CHIP , SWITCHING		X401	COX08000E160S	X-TAL, 8MHz, HC-49/SMD, 16pF	
D202	CVD1SS355T	DIODE , CHIP , SWITCHING		CN11	CJP30GA221ZB	2.54mm 30PIN WAFER	
D301	CVDPG05GBUSCRTPK	DIODE , ESD PROTECTION USC		CN13	CJP30GA221ZB	2.54mm 30PIN WAFER	
D302	CVDPG05GBUSCRTPK	DIODE , ESD PROTECTION USC		CN51	CJP10GA221ZB	WAFER (2.54m/m)	
D303	CVDPG05GBUSCRTPK	DIODE , ESD PROTECTION USC		CN52	CJP14GA221ZB	FEMALE HEADER (14P,2.54mm),STRAIGHT TYPE	
D304	CVDPG05GBUSCRTPK	DIODE , ESD PROTECTION USC		CN53	CJP10GA221ZB	WAFER (2.54m/m)	
D396	CVDPG05GBUSCRTPK	DIODE , ESD PROTECTION USC		CN54	CJP03GA90ZY	WAFER,YW396-03B(3.96mm)	
D606	CVD1SS355T	DIODE , CHIP , SWITCHING		CN93	CJP30GA221ZB	2.54mm 30PIN WAFER	
D613	CVDPG05GBUSCRTPK	DIODE , ESD PROTECTION USC		C617	CCET56VLA0822N	CAP , ELECT ELNA LAO SERIES 8200uF/56V	
D614	CVDPG05GBUSCRTPK	DIODE , ESD PROTECTION USC		C618	CCET56VLA0822N	CAP , ELECT ELNA LAO SERIES 8200uF/56V	
D615	CVDPG05GBUSCRTPK	DIODE , ESD PROTECTION USC					
IC11	CVIANAM1739CR	I.C , U-COM (ST , STM32F105K6T6C)		D511	HVDKBU804F	DIODE , BRIDGE	
IC11	CVISTM32F101VET6	I.C , FLASH U-COM(LQFP100, 14X14, 512KB)		JK31	CJJ4P058Z	JACK , IN/OUT	
IC12	CVIML61C232PR	I.C , RESET(2.3V, CMOS SOT-89)		JK32	CJS9U019Z	JACK , OPT(RX)+1P RCA(ORANGE LD),5V,16MHz	
IC13	CVIKIA1117BS33	I.C , REGULATOR(SOT-223)		JK37	CJJ4N060Z	JACK , BOARD 2P (GOLD)	
IC14	CVIM24C08WMN6TP	I.C , EEPROM (8KBits,400MHz, 2.5~5.5V,SOP-8)		JK51	CJJ5P020Z	TERMINAL , SPEAKER	
IC15	CVITE8802L-DS-V22	I.C , USB 2.0 HIGH-SPEED(LQFP-128P)		JK52	CJJ4M046Z	JACK , BOARD	
IC16	CVIK24C128SIRGA	I.C , EEPROM (128KBIT,SOP-8P,K-Line)		L309	CLU9S006Z	COIL, TOROIDAL	
IC17	CVIBD45285G-TR	I.C , RESET(2.8V,SSOP-5P)		L331	CLU9S006Z	COIL, TOROIDAL	
IC18	CVIK24C128SIRGA	I.C , EEPROM (128KBIT,SOP-8P,K-Line)		RL51	HSL4A004ZU	RELAY	
IC19	CVINJM2872BF33	I.C, REGULATOR(3.3V/SOT-23_MTP5)		R610	CRD25TJ473T	RES, CARBON(1/4W,47Kohm,J)	
IC21	CVIPCM9211PTR	I.C , DIR/DIT(WITH ADC,LQFP-48P)		R611	CRD25TJ473T	RES, CARBON(1/4W,47Kohm,J)	
IC22	HVINJM2068MDTE1	I.C , OP AMP (JRC)		R615	CRD25TJ223T	RES, CARBON(1/4W,22Kohm,J)	
IC23	HVINJM2068MDTE1	I.C , OP AMP (JRC)		R616	CRD25TJ223T	RES, CARBON(1/4W,22Kohm,J)	
IC24	CVIPCM1795DBR	I.C , D/A CONVERTER(SSOP-28P)		WF11	CJP02GA01ZY	WAFER/STRAIGHT/2.5mm/2P	
IC25	CVINJU7181RB1	I.C , SIGNAL LEVEL SENSOR		WF12	CJP02GA01ZY	WAFER/STRAIGHT/2.5mm/2P	
IC26	HVIBD3816K1	I.C , FUNC + VOL		WF81	CJP19GA115ZY	WAFER, FFC(19P-1.25mm, STRAIGHT)	
IC35	HVINJM2068MDTE1	I.C , OP AMP (JRC)		X301	HOX00032K120I	X-TAL, 32.768KHz, TUNING FORK, 12pF,20PPM	
IC36	HVINJM2068MDTE1	I.C , OP AMP (JRC)					
IC40	CVITL431IPK	I.C,SHUNT REGULATOR(SOT-89)					
IC41	CVITL431IPK	I.C,SHUNT REGULATOR(SOT-89)					
IC42	CVITL431IPK	I.C,SHUNT REGULATOR(SOT-89)					
IC45	HVINJM2068MDTE1	I.C , OP AMP (JRC)					
IC55	HVITC74HCT7007F	I.C					
L101	CLZ9R001Z	FERRITE , CHIP BEAD(60ohm, 2012)					
L102	CLZ9R001Z	FERRITE , CHIP BEAD(60ohm, 2012)					
L104	CLZ9R001Z	FERRITE , CHIP BEAD(60ohm, 2012)					
L201	CLZ9Z014Z	FERRITE CHIP BEAD(4516/60R)					
L311	CLZ9R001Z	FERRITE , CHIP BEAD(60ohm, 2012)					
Q101	HVTKRC107S	T.R , CHIP , SOT-23					
Q102	HVTKRC102S	T.R , CHIP , SOT-23					
Q103	HVTKRC102S	T.R , CHIP , SOT-23					
Q104	HVTKRC114S	T.R , CHIP , SOT-23					
Q123	HVTKRA102S	T.R , CHIP , SOT-23					
Q124	HVTKRA102S	T.R , CHIP , SOT-23					
Q125	HVTKRA102S	T.R , CHIP , SOT-23					
Q126	HVTKRA102S	T.R , CHIP , SOT-23					
Q127	HVTKRA107S	T.R , CHIP , SOT-23					
Q188	HVTKRC102S	T.R , CHIP , SOT-23					

GATHER PCB, NETWORK NP-H750 G (Side A)

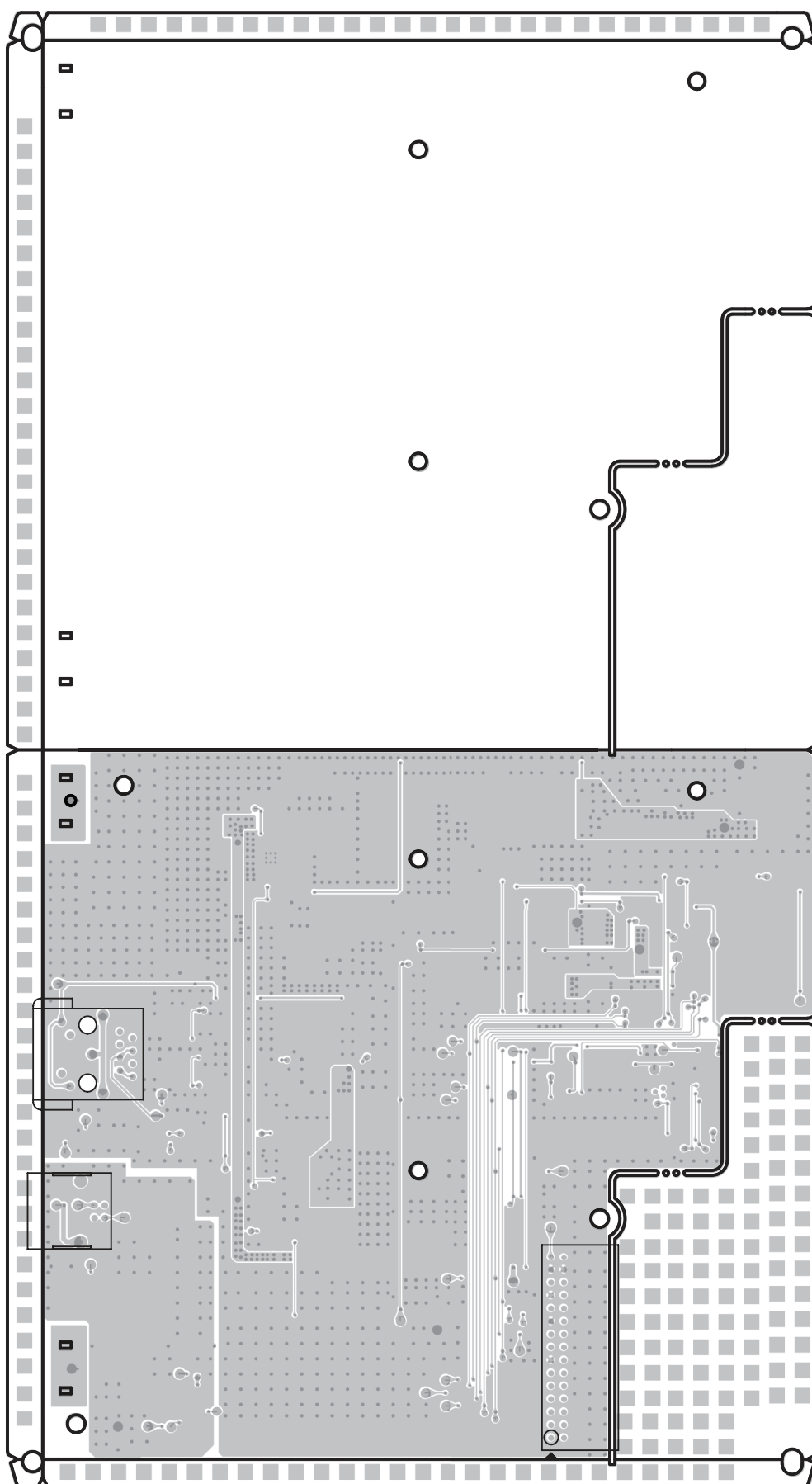


CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

- 17 -

注意 破線部分は、太字品番で発注する補修部品になります。

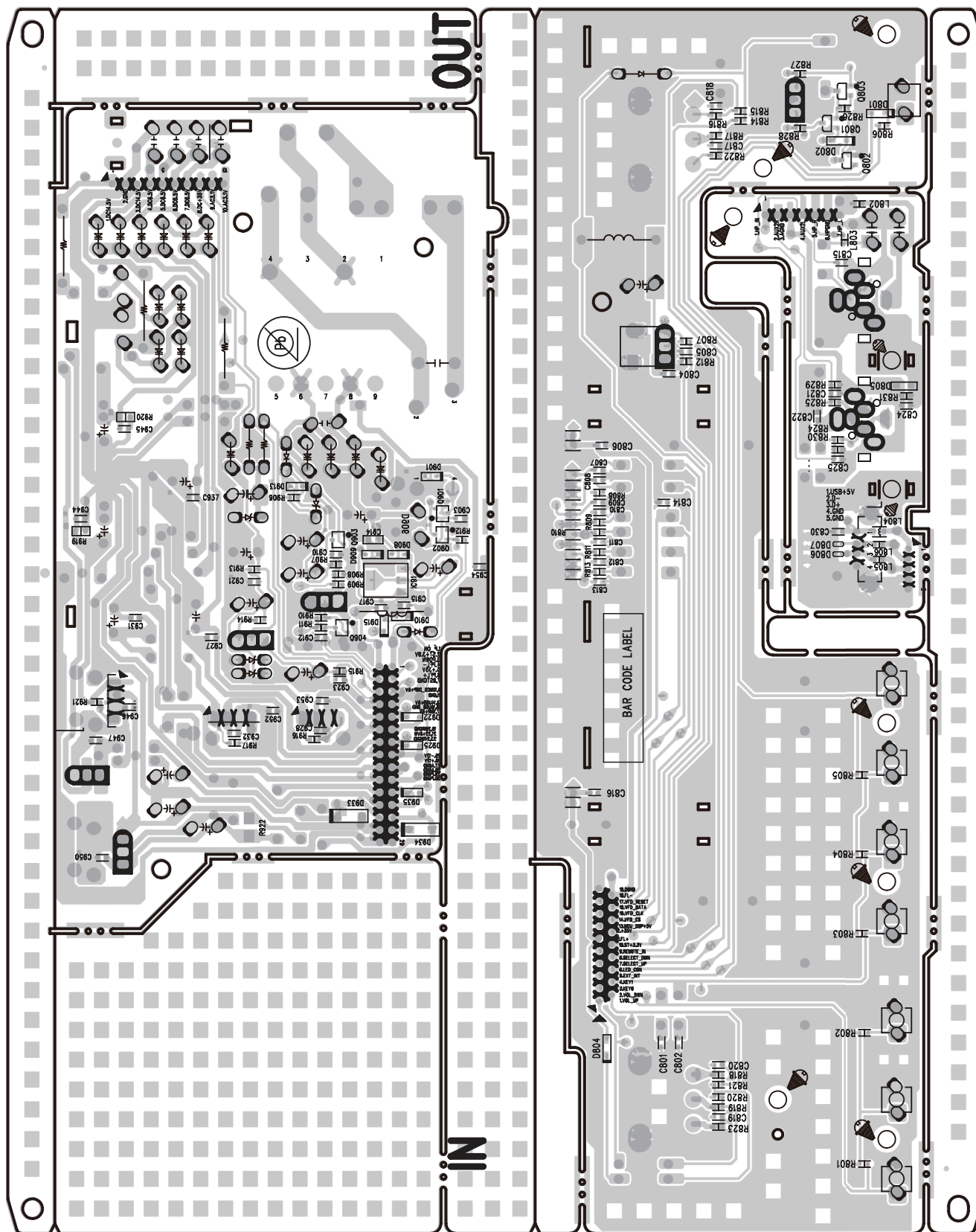
GATHER PCB, NETWORK NP-H750 G (Side B)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.



GATHER PCB, FRONT/PWR NP-H750 G (Side B)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

- 20 -

注意 破線部分は、太字品番で発注する補修部品になります。

CAUTION

Part with numbers in parentheses () cannot be ordered. If you want to order service parts, be sure to use "Child" part numbers (numbers in Bold), which refer to individual parts of a parent part.

注意

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NETWORK PCB, NP-H750 G
NETWORK 基板
FRONT/PWR PCB, NP-H750 G
FRONT/PWR 基板

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
	COP12494B	NP-H750 EUR/TC/JPN NETWORK PCB ASS'Y	
	<i>CUP12494Z</i>	<i>PCB, NETWORK NP-H750(291X160, FR-4/2L)</i>	
D201	CVD1SR159-200H	DIODE, SCHOTTKY	
D203	CVDKDS160RTKP	DIODE, ULTRA-HIGH SPEED	
D204	CVDKDS160RTKP	DIODE, ULTRA-HIGH SPEED	
D210	CVDSS34SR	DIODE, SCHOTTKY(40V/3A)	
D211	HVDUDZS5.6BSR	DIODE, ZENER(CHIP,5.6V)	
D212	HVDUDZS7.5BSR	DIODE, ZENER(CHIP,7.5V)	
D213	CLZ9Z120Z	ESD SUPPRESSOR (ASQS 12U 02 0R2, 0.2pF/12V 100S)	
D214	CLZ9Z120Z	ESD SUPPRESSOR (ASQS 12U 02 0R2, 0.2pF/12V 100S)	
D215	CLZ9Z120Z	ESD SUPPRESSOR (ASQS 12U 02 0R2, 0.2pF/12V 100S)	
D216	CLZ9Z120Z	ESD SUPPRESSOR (ASQS 12U 02 0R2, 0.2pF/12V 100S)	
D271	HVDUDZS5.1BSR	DIODE, ZENER(CHIP,5.1V)	
F201	CRTMINISMDC200F	SW, POLY (RESETTABLE 2A 0.02 OHM 1W 4532)	
IC61	CVIMFI341S2162-TC	I.C, APPLE COPROCESSOR	
IC63	CVILM1117S12	I.C, REGULATOR(1.0A, 1.2V, SOT-223)	
IC64	CVIEML3418-00SE08GRR	I.C, DCDC CONVERTER(SOP-8FD)	
IC65	CVIS18005QTL	I.C, DC-DC(SOP-8)	
L201	CLZ9Z014Z	FERRITE CHIP BEAD(4516/60R)	
L202	CLZ9R001Z	FERRITE, CHIP BEAD(60ohm, 2012)	
L203	CLQ13E220MRZ	COIL, SMD POWER (22UH/3A)	
L204	CRJ14CJ0R0T	RES, CHIP(3216/5%/0ohm)	
L205	CLQ18E1R5NRZ	COIL,SMD POWER(1.5uH/2A)	
L206	CLZ9Z014Z	FERRITE CHIP BEAD(4516/60R)	
L207	CRJ14CJ0R0T	RES, CHIP(3216/5%/0ohm)	
L208	CLZ9Z014Z	FERRITE CHIP BEAD(4516/60R)	
L209	CRJ14CJ0R0T	RES, CHIP(3216/5%/0ohm)	
L210	CRJ14CJ0R0T	RES, CHIP(3216/5%/0ohm)	
Q201	HVTKRC102S	T.R, CHIP, SOT-23	
Q204	HVTKRA102S	T.R, CHIP, SOT-23	
Q205	HVTKRC102S	T.R, CHIP, SOT-23	
Q207	CVTKRC104S	T.R, CHIP, SOT-23	
Q208	CVTKRC104S	T.R, CHIP, SOT-23	
BK21	CMD1A569-V1	BRACKET, PCB	
BK22	CMD1A569-V1	BRACKET, PCB	
CN22	CJP30GB142ZB	30PIN, 2.54MM PIN HEADER	
JK21	CJJ9L023Z	JACK, RJ-45 WITH LED'S(YIHUA TS-10017)	
JK22	CJJ9L020Z	JACK, USB_B TYPE	
	COP12495B	NP-H750 EUR FRONT/PWR PCB ASS'Y	
	COP12495C	NP-H750 TC FRONT/PWR PCB ASS'Y	
	COP12495D	NP-H750 JPN FRONT/PWR PCB ASS'Y	
	<i>CUP12495Y</i>	<i>PCB, FRONT/PWR NP-H750(247X197, FR-1/1L)</i>	
D801	CVD1SS355T	DIODE, CHIP, SWITCHING	
D802	CVD1SS355T	DIODE, CHIP, SWITCHING	
D804	CVD1SS355T	DIODE, CHIP, SWITCHING	
D805	CVDPG05GBUSCRTPK	DIODE, ESD PROTECTION USC	
D901	CVD1SS355T	DIODE, CHIP, SWITCHING	
D908	CVD1SS355T	DIODE, CHIP, SWITCHING	
D909	CVD1SS355T	DIODE, CHIP, SWITCHING	
D910	CVD1SS355T	DIODE, CHIP, SWITCHING	
D913	CVD1SS355T	DIODE, CHIP, SWITCHING	
D915	CVD1SS355T	DIODE, CHIP, SWITCHING	
D922	CVD1SS355T	DIODE, CHIP, SWITCHING	

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
D925	CVD1SS355T	DIODE, CHIP, SWITCHING	
D933	HVDRB160L60TE25	DIODE, SCHOTTKY BARRIER	
D934	HVDRB160L60TE25	DIODE, SCHOTTKY BARRIER	
D935	CVD1SS355T	DIODE, CHIP, SWITCHING	
IC91	CVILM1117S33	I.C, REGULATOR(1.0A, 3.3V, SOT-223)	
L802	CRJ10DJ0R0T	RES, CHIP(1608/5%/0ohm)	
L803	CRJ10DJ0R0T	RES, CHIP(1608/5%/0ohm)	
L804	CLZ9R001Z	FERRITE, CHIP BEAD(60ohm, 2012)	
L805	CRJ10DJ0R0T	RES, CHIP(1608/5%/0ohm)	
L806	CRJ10DJ0R0T	RES, CHIP(1608/5%/0ohm)	
Q801	HVTKRA107S	T.R, CHIP, SOT-23	
Q802	HVTKRC107S	T.R, CHIP, SOT-23	
Q803	HVTKRC107S	T.R, CHIP, SOT-23	
Q901	HVTKRA102S	T.R, CHIP, SOT-23	
Q902	HVTKRC107S	T.R, CHIP, SOT-23	
Q903	HVTKRC107S	T.R, CHIP, SOT-23	
Q904	HVTKRC107S	T.R, CHIP, SOT-23	
D803	CVD1SS133MT	DIODE, SWITCHING	
D902	CVD1N4003SRT	DIODE, RECT	
D903	CVD1N4003SRT	DIODE, RECT	
D904	CVD1N4003SRT	DIODE, RECT	
D905	CVD1N4003SRT	DIODE, RECT	
D906	CVD1N4003SRT	DIODE, RECT	
D911	CVD1SS133MT	DIODE, SWITCHING	
D912	CVD1SS133MT	DIODE, SWITCHING	
D914	CVDZJ11BT	DIODE, ZENER, 1/2W, 11V	
D916	CVD1N4003SRT	DIODE, RECT	
D917	CVDZJ5.6BT	DIODE, ZENER, 1/2W, 5.6V	
D918	CVDZJ20BT	DIODE, ZENER, 1/2W, 20V	
D919	CVDZJ16BT	DIODE, ZENER, 1/2W, 16V	
D920	CVD1N4003SRT	DIODE, RECT	
D921	CVD1N4003SRT	DIODE, RECT	
D923	CVD1N4003SRT	DIODE, RECT	
D924	CVD1N4003SRT	DIODE, RECT	
D929	CVD1N4003SRT	DIODE, RECT	
D930	CVD1N4003SRT	DIODE, RECT	
D931	CVD1N4003SRT	DIODE, RECT	
D932	CVD1N4003SRT	DIODE, RECT	
F901	KBA2C3000TLUZ	FUSE(250V/3.0A)	[T/C], [JPN] △
F901	KBA2C1600TLEY	FUSE(218Series, 250V/1.6A)	[EUR] △
F901	CJCFCS5	HOLDER, FUSE	
J101	C3A206	WIRE, COPPER(D0.6)	
J103	C3A206	WIRE, COPPER(D0.6)	
J104	C3A206	WIRE, COPPER(D0.6)	
J105	C3A206	WIRE, COPPER(D0.6)	

CAUTION

Part with numbers in parentheses () cannot be ordered. If you want to order service parts, be sure to use "Child" part numbers (numbers in Bold), which refer to individual parts of a parent part.

注意

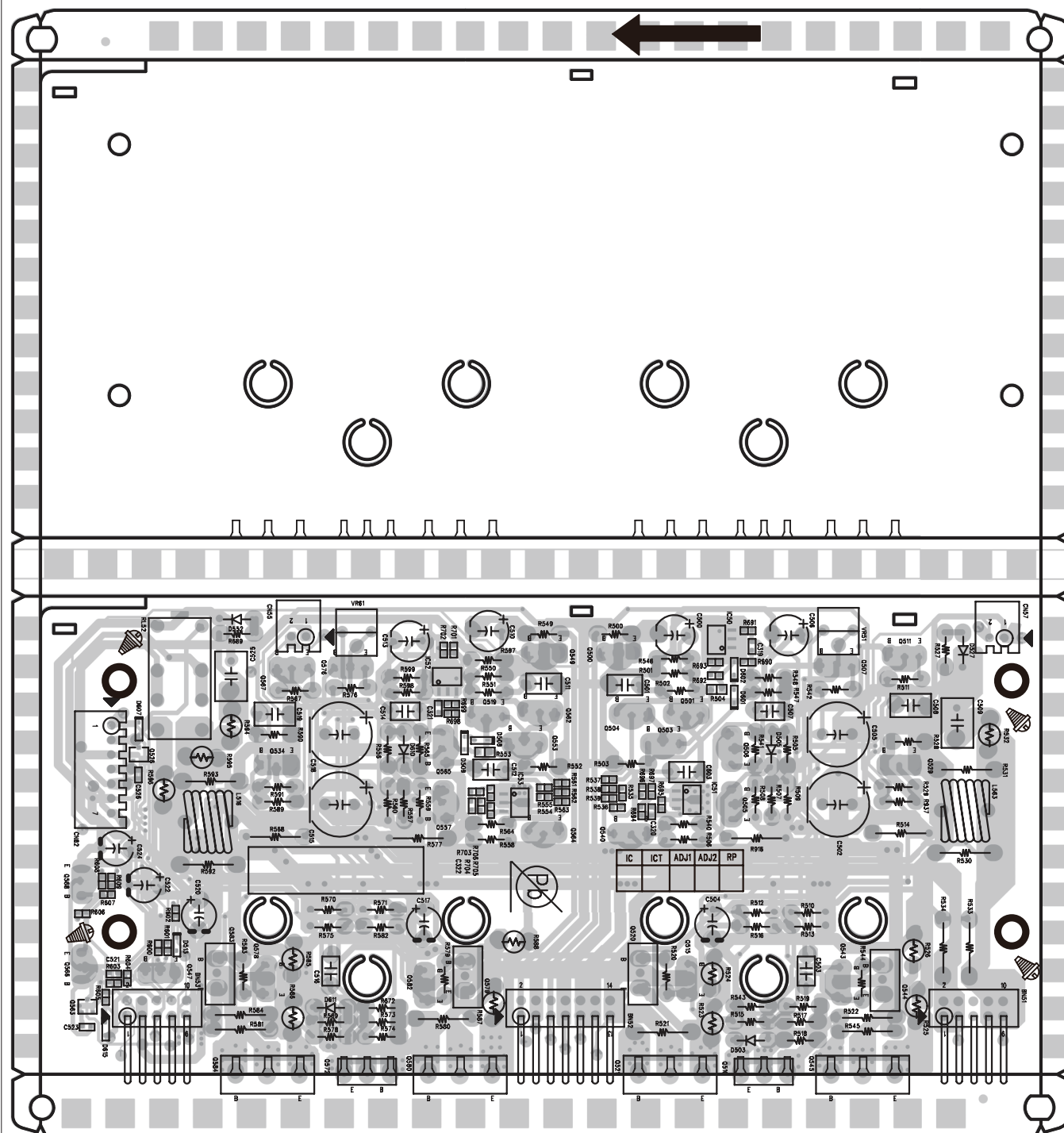
"(")付き品番は、発注できません。補修部品を発注する際は、太字品番で発注してください。

GATHER PCB, FRONT/PWR NP-H750 G

FRONT/PWR 基板

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS	REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
J106	C3A206	WIRE, COPPER(D0.6)		BN82	CWB2B907080BM001	WIRE ASS'Y	
J201	C3A206	WIRE, COPPER(D0.6)		BN83	CWB1D905400NG004	WIRE ASS'Y (5P, 2mm, 400mm, #22, SHIELD)	
J202	C3A206	WIRE, COPPER(D0.6)		BN93	CJP30GB142ZB	30PIN, 2.54MM PIN HEADER	
J203	C3A206	WIRE, COPPER(D0.6)		CN81	CJP19GB116ZY	WAFER, FFC(19P-1.25mm, ANGLE)	
J204	C3A206	WIRE, COPPER(D0.6)		CN91	CJP02KA060ZY	WAFER, 2P, 3.96mm	⚠
J205	C3A206	WIRE, COPPER(D0.6)		CN92	CJP02GA89ZY	WAFER, 2P, 7.92mm	⚠
J206	C3A206	WIRE, COPPER(D0.6)		CN93	CJP10GA01ZY	WAFER/STRAIGHT/2.5mm/10P	
J207	C3A206	WIRE, COPPER(D0.6)		C901	KCKDKS472ME	CAP , CERAMIC(X1/Y2/SC)	⚠
J208	C3A206	WIRE, COPPER(D0.6)		C913	CCEA1CH102EC	CAP, ELECT(16V/1000uF)	
J209	C3A206	WIRE, COPPER(D0.6)		C919	CCEA1JH101EC	CAP , ELECT(63V/100uF)	
J210	C3A206	WIRE, COPPER(D0.6)		C926	CCEA1CH222EC	CAP, ELECT(16V/2200uF)	
J211	C3A206	WIRE, COPPER(D0.6)		C930	CCEA1CH222EC	CAP, ELECT(16V/2200uF)	
J221	C3A206	WIRE, COPPER(D0.6)		C936	CCEA1EH222EC	CAP, ELECT(25V/2200uF)	
J222	C3A206	WIRE, COPPER(D0.6)		C942	HCEA1ERA472E	ELECT , CAP (ELNA/RA-2)	
J301	C3A206	WIRE, COPPER(D0.6)		C943	HCEA1ERA472E	ELECT , CAP (ELNA/RA-2)	
J303	C3A206	WIRE, COPPER(D0.6)		D809	CVD50BOBBWGA	L.E.D , 2 COLOR (ORG , BLUE)	
J304	C3A206	WIRE, COPPER(D0.6)		D926	HVD21DQ10T	DIODE , SCHOTTKY	
J401	C3A206	WIRE, COPPER(D0.6)		D927	HVD21DQ10T	DIODE , SCHOTTKY	
J501	C3A206	WIRE, COPPER(D0.6)		FL81	CFLCIG251606N	F.I.P (ZBEO , CIG25-1606N)	
J801	C3A206	WIRE, COPPER(D0.6)		IC92	CVINP-H750BW	REGULATOR HEAT SINK ASS'Y (CMY1A395, 5.0V + 6.0V)	
J802	C3A206	WIRE, COPPER(D0.6)		IC92	HVIKA78R05	REGULATOR (5V OUTPUT LOW DROP)	
J803	C3A206	WIRE, COPPER(D0.6)		IC93	HVIKIA278R06PI	REGULATOR (6V OUTPUT LOW DROP)	
J804	C3A206	WIRE, COPPER(D0.6)		IC95	HVIKIA7912PI	I.C , REGULATOR	
J805	C3A206	WIRE, COPPER(D0.6)		IC96	CVIKA78R12ZA	IC ASS'Y(CMY2A025)	
J806	C3A206	WIRE, COPPER(D0.6)		JK81	CJJ9X006Z	JACK , USB STRAIGHT(BLACK)	
J807	C3A206	WIRE, COPPER(D0.6)		JK82	HJJ2D003Y	JACK , HEADPHONE (SILVER)	
J808	C3A206	WIRE, COPPER(D0.6)		JK83	HJJ2D003Y	JACK , HEADPHONE (SILVER)	
J809	C3A206	WIRE, COPPER(D0.6)		L801	CLZ9H002Z	BEAD , CORE(100MHz MIN 120ohm)	
J810	C3A206	WIRE, COPPER(D0.6)		L901	CLZ9H002Z	BEAD , CORE(100MHz MIN 120ohm)	
J811	C3A206	WIRE, COPPER(D0.6)		RC81	CRVKSM603TE5B	SENSOR , REMOCON	
J812	C3A206	WIRE, COPPER(D0.6)		RY91	CSL1E002ZE	RELAY,G5PA-1,DC6V,1C1P	⚠
J813	C3A206	WIRE, COPPER(D0.6)		R903	CRQ1AJR47H	RES , FUSE	
J814	C3A206	WIRE, COPPER(D0.6)		R904	CRQ1AJR47H	RES , FUSE	
J815	C3A206	WIRE, COPPER(D0.6)		R905	CRQ1AJR47H	RES , FUSE	
J816	C3A206	WIRE, COPPER(D0.6)		T901	CLT5I009ZU	TRANS , SUB C515	⚠
J817	C3A206	WIRE, COPPER(D0.6)		VR81	CSR2A036Z	ENCODER VR	
J818	C3A206	WIRE, COPPER(D0.6)		VR82	CSR2A034Z	VR , ENCODER	
J819	C3A206	WIRE, COPPER(D0.6)					
J820	C3A206	WIRE, COPPER(D0.6)					
J901	C3A206	WIRE, COPPER(D0.6)					
Q905	HVTKTC3198YT	T.R					
Q906	CVTKTC1027YT	T.R					
R901	CRD25TJ560T	RES, CARBON(1/4W,56ohm,J)					
R902	CRD25TJ560T	RES, CARBON(1/4W,56ohm,J)					
S801	CST1A012ZT	SW , TACT					
S802	CST1A012ZT	SW , TACT					
S803	CST1A012ZT	SW , TACT					
S804	CST1A012ZT	SW , TACT					
S805	CST1A012ZT	SW , TACT					
S806	CST1A012ZT	SW , TACT					
S807	CST1A012ZT	SW , TACT					
S808	CST1A012ZT	SW , TACT					
BK71	CMC1A375	PLATE , EARTH					
BK72	CMC1A375	PLATE , EARTH					

GATHER PCB, AMP NP-H750 G (Side A/B)



CAUTION The portion in the dashed box consists of service parts that need to be ordered using part numbers in Bold.

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注意

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GATHER PCB, AMP NP-H750 G

FRONT/PWR 基板

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS	REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
	COP12418C	NP-H750 AMP PCB ASS'Y		C502	CCEA1HH221EC	CAP, ELECT(50V/220uF)	
	<i>CIP12418C</i>	<i>NP-H750 AMP PCB AUTO ASS'Y</i>		C505	CCEA1HH221EC	CAP, ELECT(50V/220uF)	
D508	CVD1SS355T	DIODE , CHIP , SWITCHING		C515	CCEA1HH221EC	CAP, ELECT(50V/220uF)	
D509	CVD1SS355T	DIODE , CHIP , SWITCHING		C518	CCEA1HH221EC	CAP, ELECT(50V/220uF)	
D513	CVD1SS355T	DIODE , CHIP , SWITCHING		L516	CLEY0R5KAK	COIL , SPEAKER(0.5uH)	
D601	CVD1SS355T	DIODE , CHIP , SWITCHING		L563	CLEY0R5KAK	COIL , SPEAKER(0.5uH)	
D602	CVD1SS355T	DIODE , CHIP , SWITCHING		Q520	HVT2SC4883A	T.R , DRIVER	
D607	CVD1SS355T	DIODE , CHIP , SWITCHING		Q544	HVT2SA1859A	T.R , DRIVER	
D615	CVD1SS355T	DIODE , CHIP , SWITCHING		Q579	HVT2SC4883A	T.R , DRIVER	
IC50	CVITL431IPK	I.C , SHUNT REGULATOR(SOT-89)		Q583	HVT2SA1859A	T.R , DRIVER	
IC51	CVITL431IPK	I.C , SHUNT REGULATOR(SOT-89)		RL52	CSL4A015ZU	RELAY,G5V-2-H1,DC12V,2C2P	
IC52	CVITL431IPK	I.C , SHUNT REGULATOR(SOT-89)					
IC53	CVITL431IPK	I.C , SHUNT REGULATOR(SOT-89)					
Q526	HVTKRC107S	T.R , CHIP , SOT-23					
Q563	HVTKRA107S	T.R , CHIP , SOT-23					
D503	CVD1SS133MT	DIODE , SWITCHING					
D505	CVD1SS133MT	DIODE , SWITCHING					
D527	CVD1SS133MT	DIODE , SWITCHING					
D552	CVD1SS133MT	DIODE , SWITCHING					
D610	CVD1SS133MT	DIODE , SWITCHING					
D611	CVD1SS133MT	DIODE , SWITCHING					
Q501	CVTKSA992FTA	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q503	CVTKSA992FTA	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q504	CVTKSA992FTA	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q505	CVTKSA992FTA	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q506	CVTKSC1845FTA	NPN, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q507	HVTKTC3206YAT	T.R					
Q511	HVTKTA1024YT	T.R					
Q515	HVTKTC3206YAT	T.R					
Q519	CVTKSA992FTA	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q529	HVTKTC3198YT	T.R					
Q534	HVTKTC3198YT	T.R					
Q540	CVTKSC1845FTA	NPN, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q543	HVTKTA1024YT	T.R					
Q547	CVTKSA992FTA	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q553	CVTKSA992FTA	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q557	CVTKSA992FTA	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q562	CVTKSA992FTA	PNP, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q564	CVTKSC1845FTA	NPN, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q565	CVTKSC1845FTA	NPN, TO-92, LOW NOISE, HFE:300-600, FAILCHILD					
Q566	HVTKTC3198YT	T.R					
Q567	HVTKTA1024YT	T.R					
Q576	HVTKTC3206YAT	T.R					
Q578	HVTKTA1024YT	T.R					
Q582	HVTKTC3206YAT	T.R					
Q588	HVTKTC3198YT	T.R					
VR51	CVN12E221B03T	RES,SEMI FIXED(220ohm, Vertical)					
VR61	CVN12E221B03T	RES,SEMI FIXED(220ohm, Vertical)					
BN51	CJP10GB142ZB	10PIN 2.54m/m PIN HEADER					
BN52	CJP14GB142ZB	PIN HEADER(14PIN, 2.54mm, ANGLE)					
BN53	CJP10GB142ZB	10PIN 2.54m/m PIN HEADER					
CN55	CJP02GB03ZY	WAFER , 2P(2.5MM BOARD TYPE)					
CN57	CJP02GB03ZY	WAFER , 2P(2.5MM BOARD TYPE)					
CN82	CJP07GB03ZY	WAFER/ANGLE/2.5mm/07P					

9. Included Accessories

付属品

Included Items

REF.NO.	PARTS NO.	DESCRIPTION .	REMARKS
	CJA2B054Z	CORD , POWER(DETACHABLE/EUR)	[EUR]
	CJA2J115ZV	CORD , POWER JPN INLET TYPE (250V)	[JPN]
	CJA2A070Z	CORD , POWER(PLUG+SOCKET)UL	[T/C]
	CABR03PPB	BATTERY , AAA 2PCS IN PACK	[EUR], [JPN], [T/C]
	CARTNP-H750	REMOCON TRANSMITTER ASS'Y(NP-H750)	[EUR], [JPN], [T/C]
	CQE1A370Y	WARRANTY CARD(EUR,UK)	[EUR]
	CQX1A642Y	CARD , WARANTY(TC)	[T/C]
	CQE1A597Z	SHEET , ERP	[EUR], [JPN], [T/C]
	CQX1A1705Z	MANUAL , INSTRUCTION	[EUR]
	CQX1A1706Z	MANUAL , INSTRUCTION	[JPN]
	CQX1A1707Z	MANUAL , INSTRUCTION	[T/C]

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with * require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [] mark can be used only with the version designated.

[JPN] : JAPAN [T/C] : U.S.A./CANADA [KOR] : KOREA

[EUR] : EUROPE [UK] : U.K.

[AUS] : AUSTRALIA [TM] : TAIWAN

[CHI] : CHINA

注意

- プリント基板図は部品面を示しています。
- *印の部品は納期が若干かかります。あらかじめご了承ください。
- 分解図に部番のない部品および品番のない部品は供給できません。
- 標準の抵抗、コンデンサーは省略してあります。回路図を参照してください。
- ⚠ 印は安全重要部品です。交換する時は必ず指定の部品を使用してください。
- 仕向先

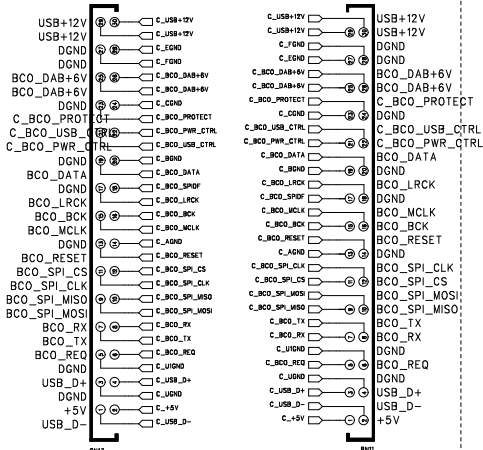
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[EUR] : EUROPE [UK] : U.K.

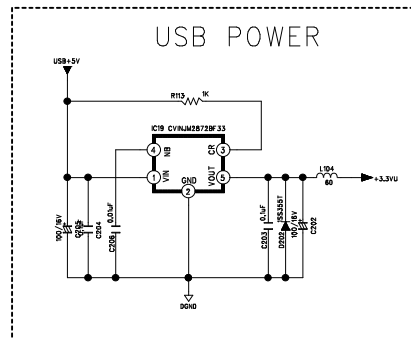
[AUS] : AUSTRALIA [TM] : TAIWAN

[CHI] : CHINA

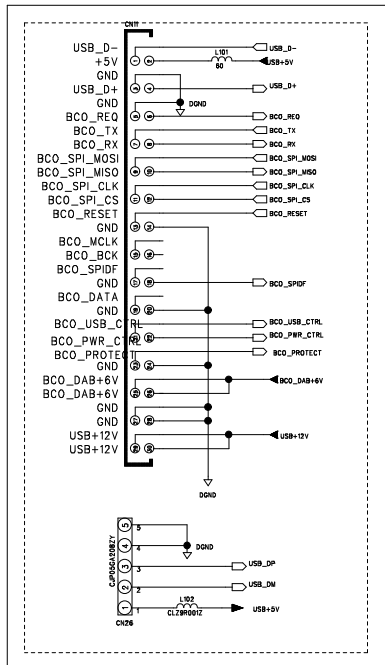
BCO_B'DCONNECTOR B'MAIN_B'D



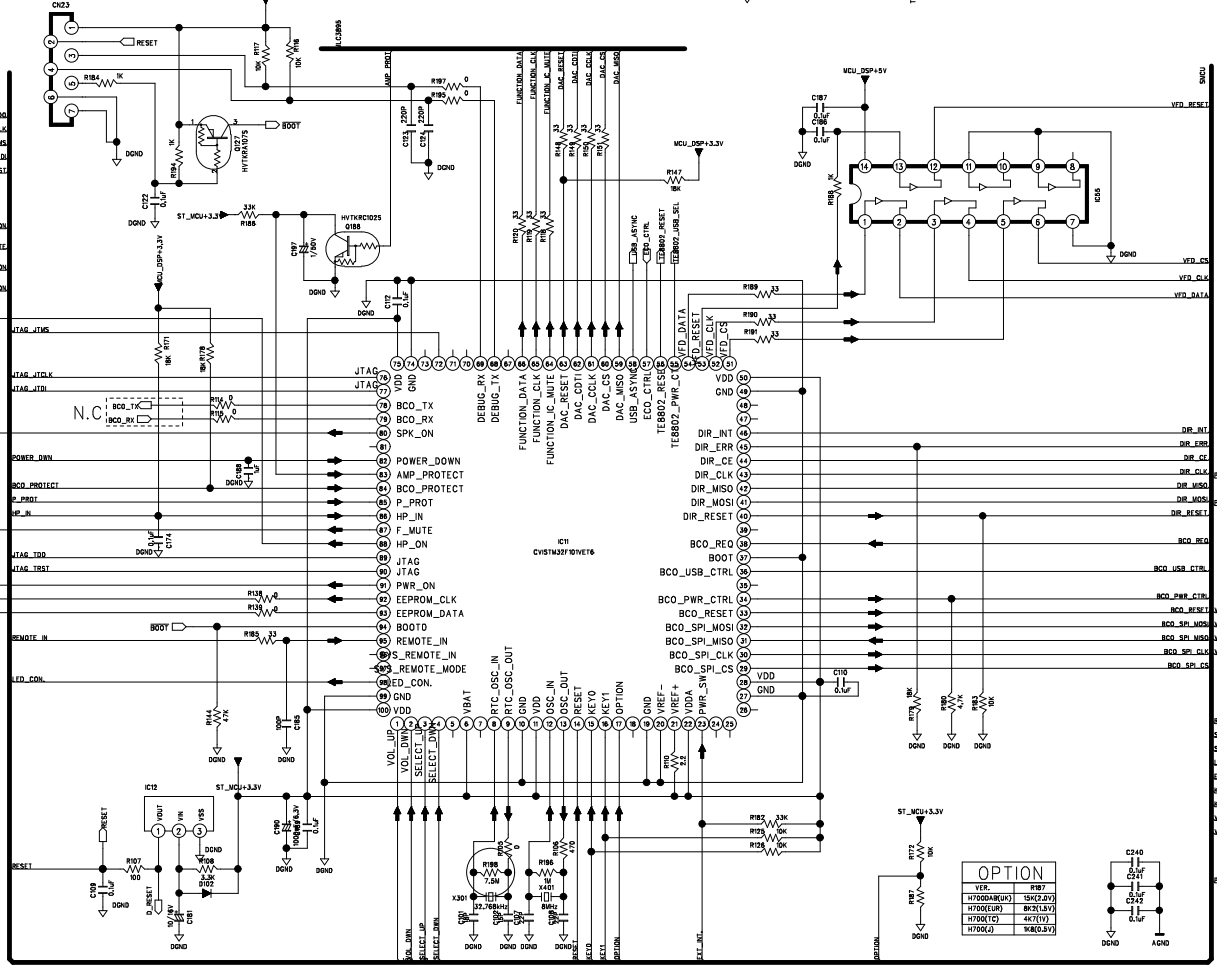
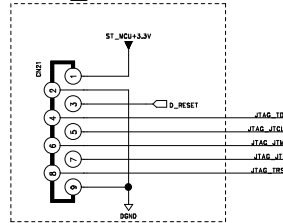
MCU_PARTS



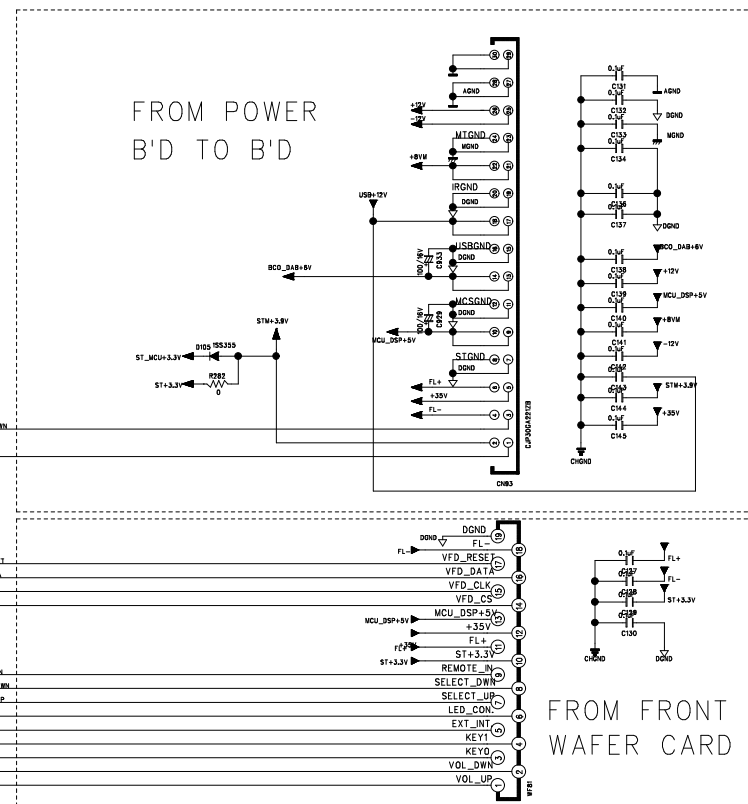
FROM BCO_B'D



MCU_JTAG



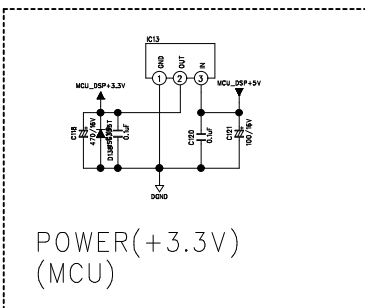
FROM POWER B'D TO B'D



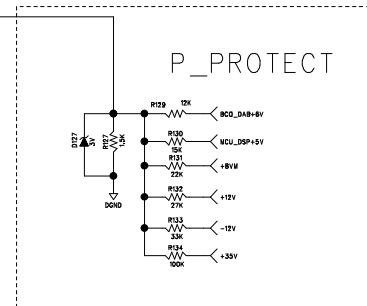
FROM FRONT WAFER CARD



POWER(+3.3V) (MCU)



P_PROTECT

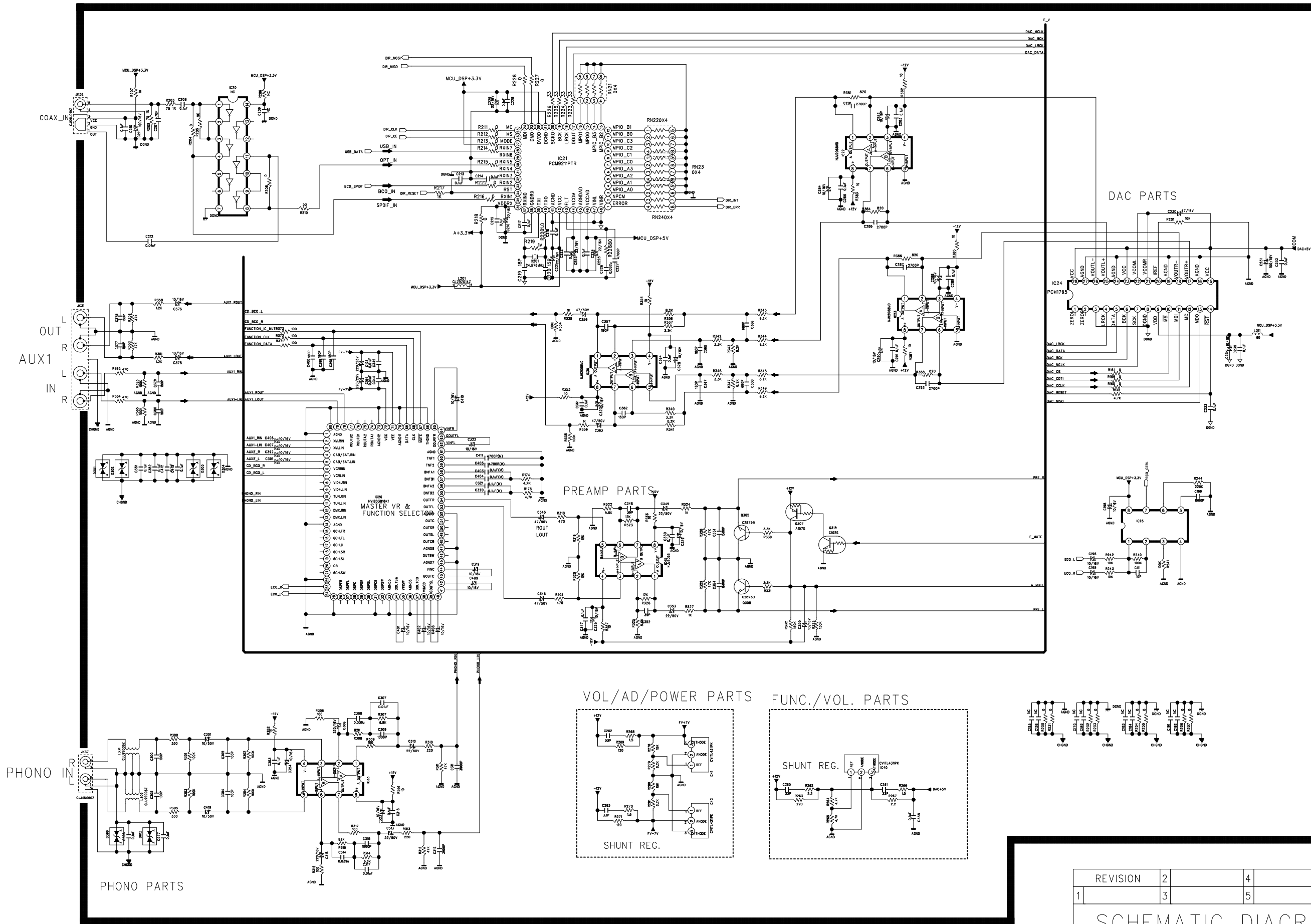


REVISION	2	4	6
1	3	5	7
SCHEMATIC DIAGRAM			
MODEL	NP-H750		
DESIGN	W.H.J	CHECK	APPROVE
12.11.03	12.11.03	12.11.03	DRAWING NO
W.H.J B.D.Jang.H.Park			12493Z
			(MCU)

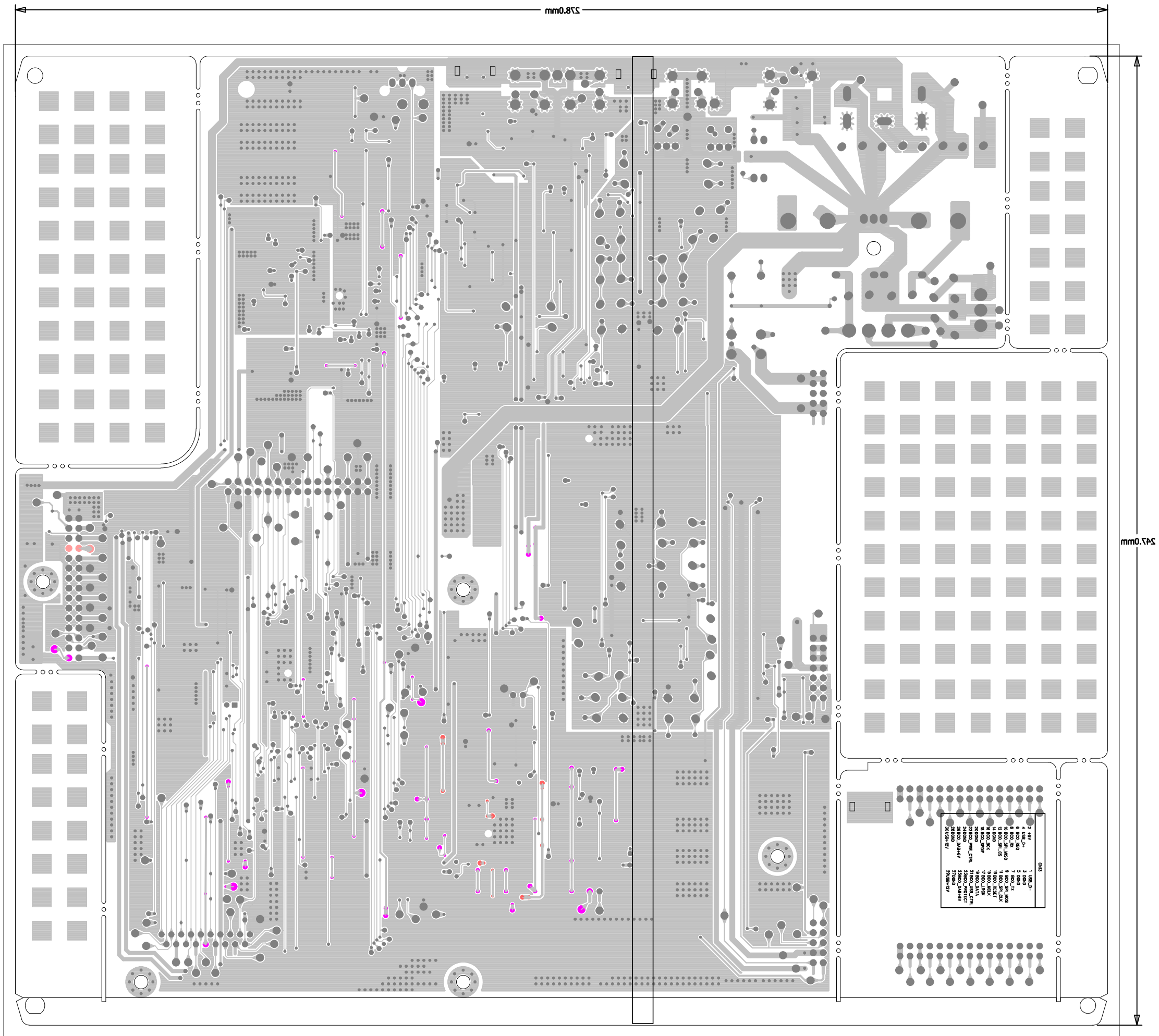
ISSUE
ANAM
MULTI. LAB
2012.11.03

MP

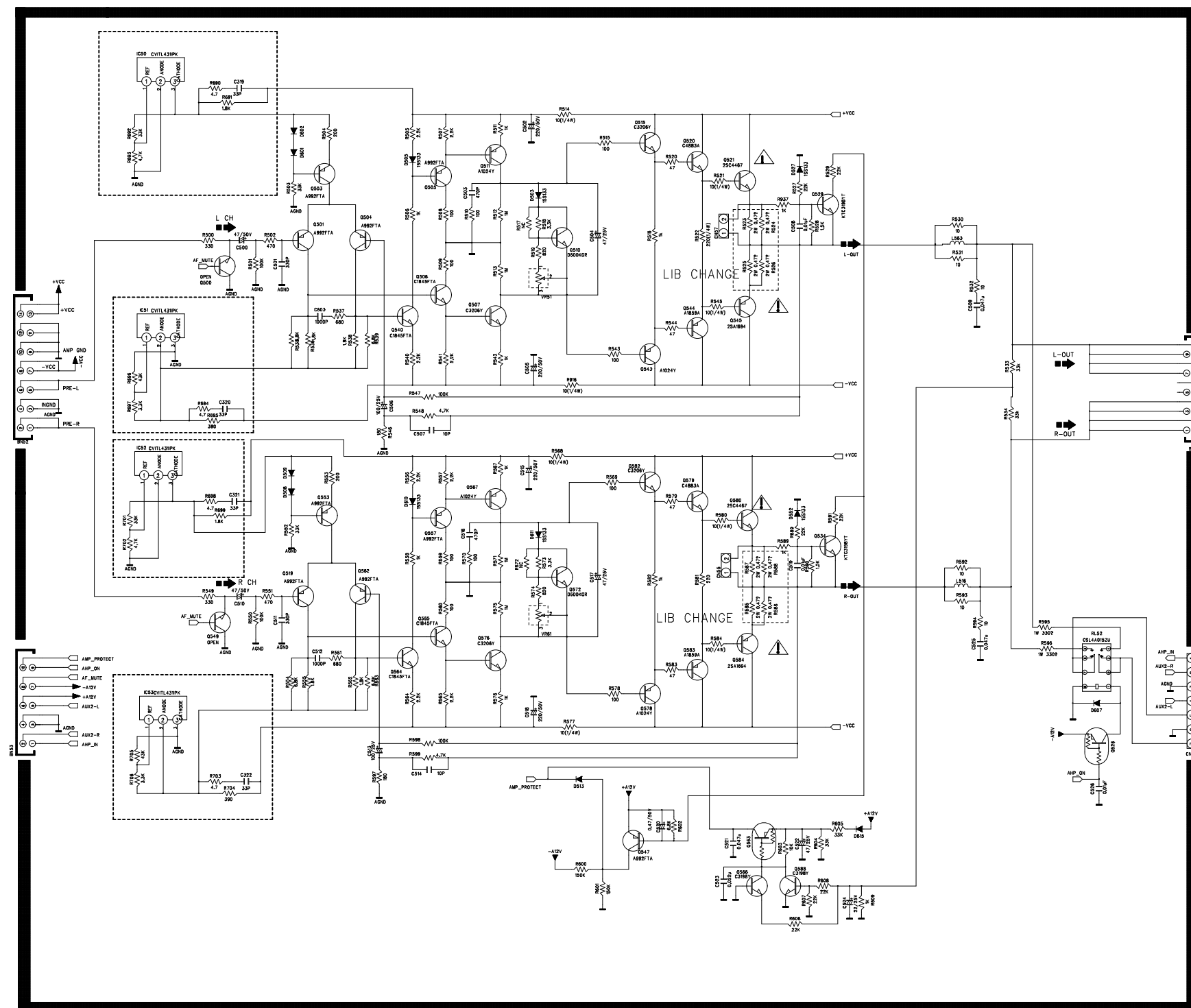
INPUT_PARTS



REVISION		2	4	6
1		3	5	7
SCHEMATIC DIAGRAM				SHEET
MODEL	NP-H750			2
DESIGN	CHECK	APPROVE	DRAWING NO	
W.H.J	B.D.Jang	J.Park	12493Z	
12.11.03	12.11.03	12.11.03	(INPUT)	



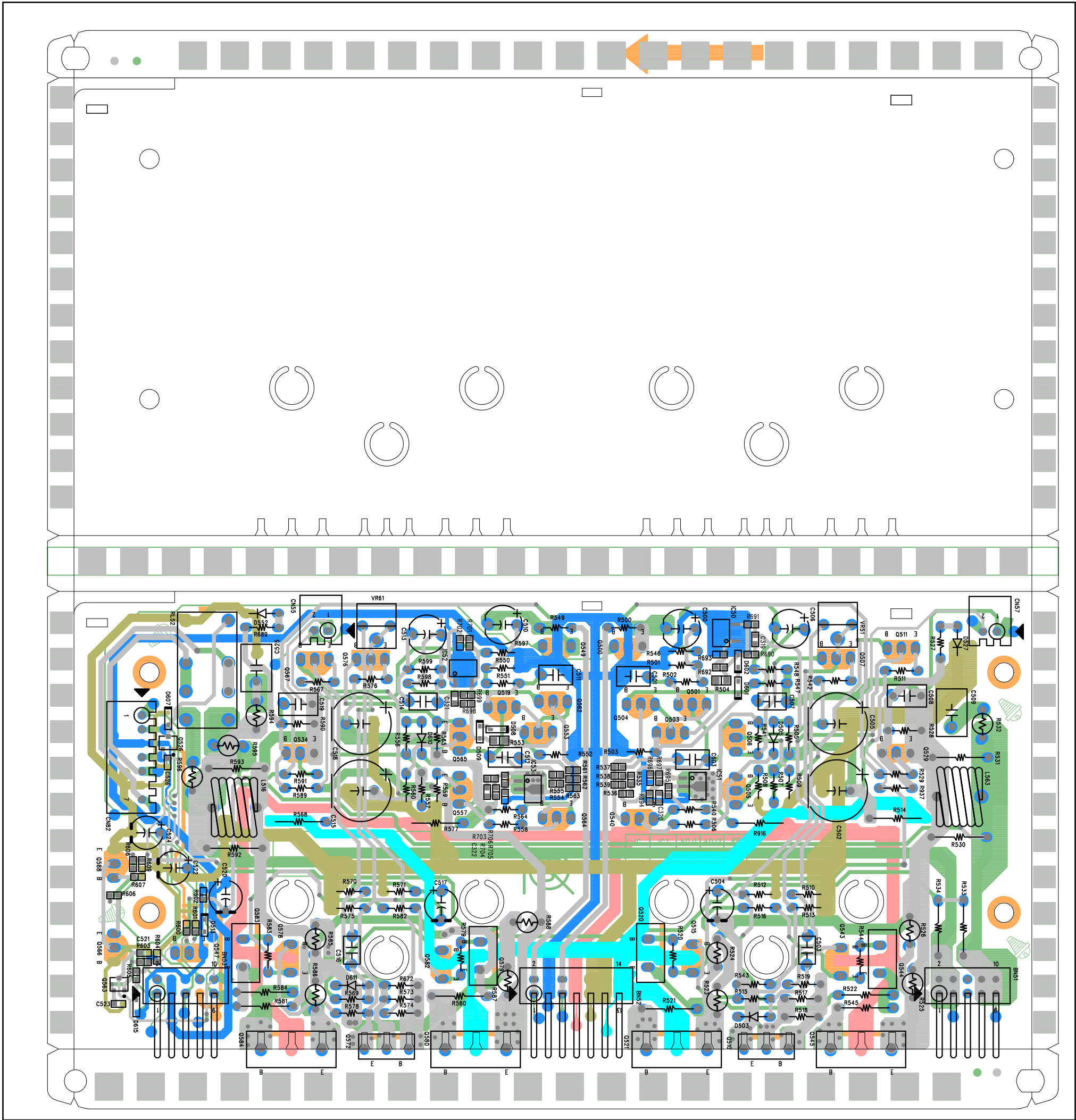
AMP_PARTS

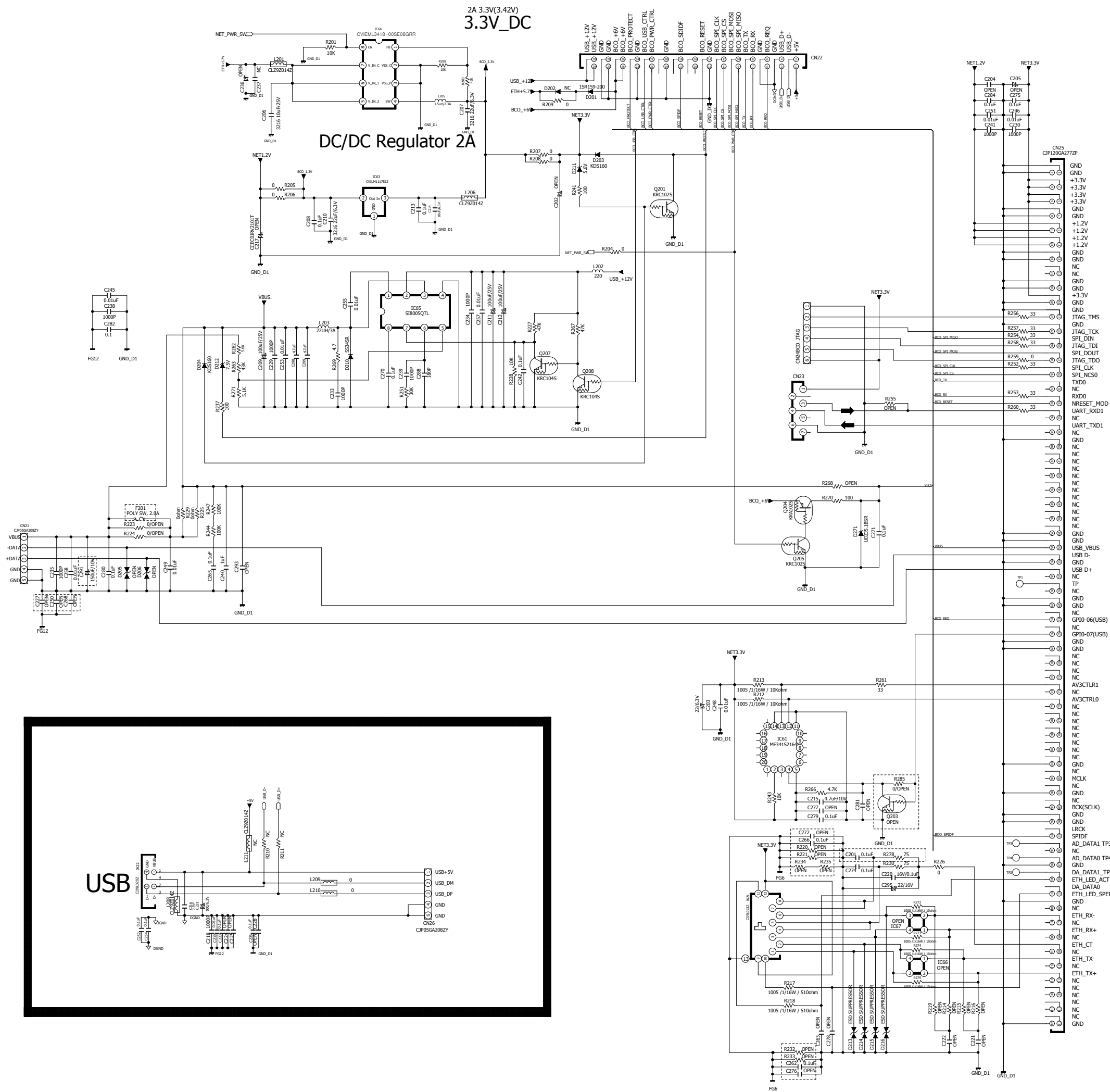


ISSUE
ANAM
MULTI. LAB
12.11.26

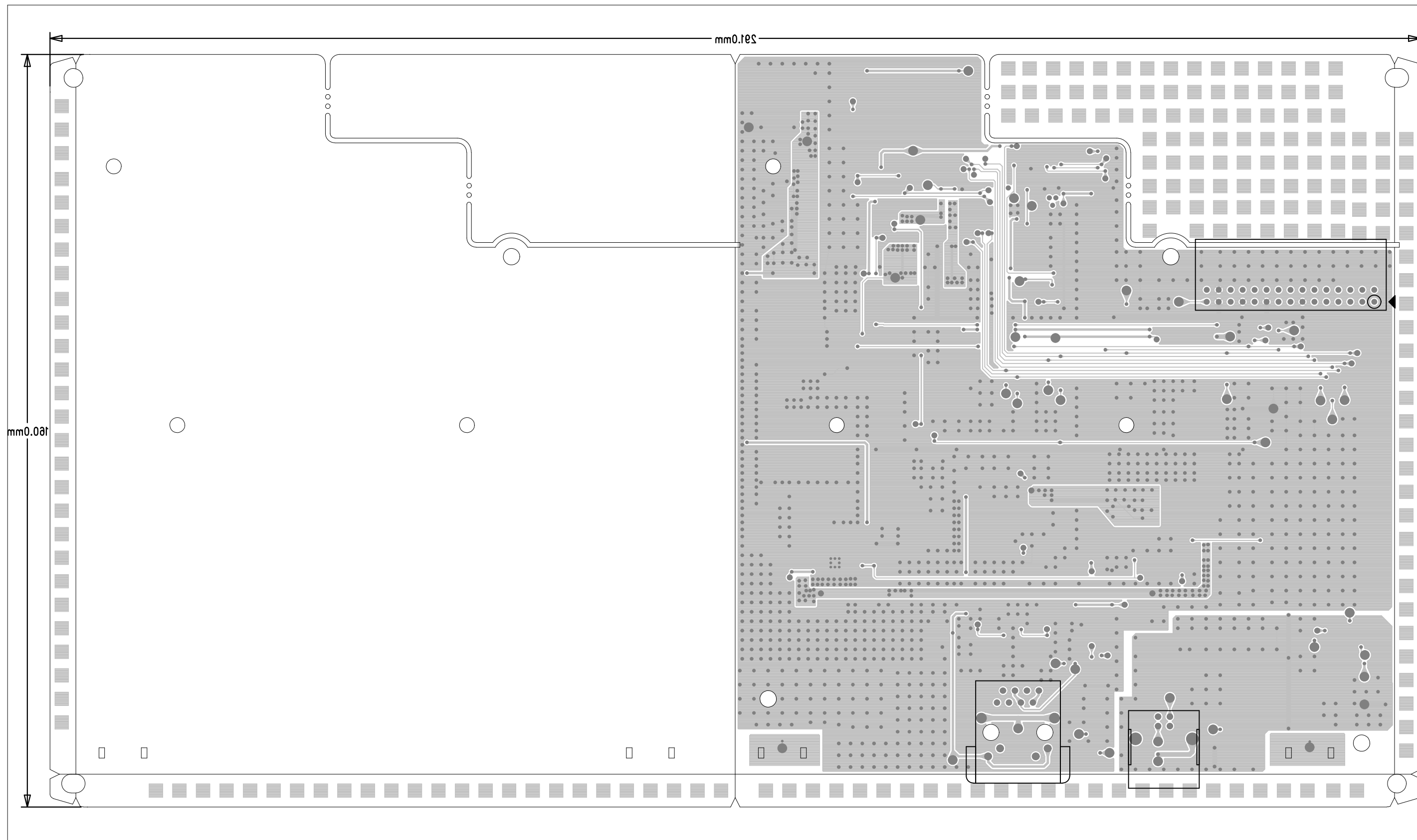
MF

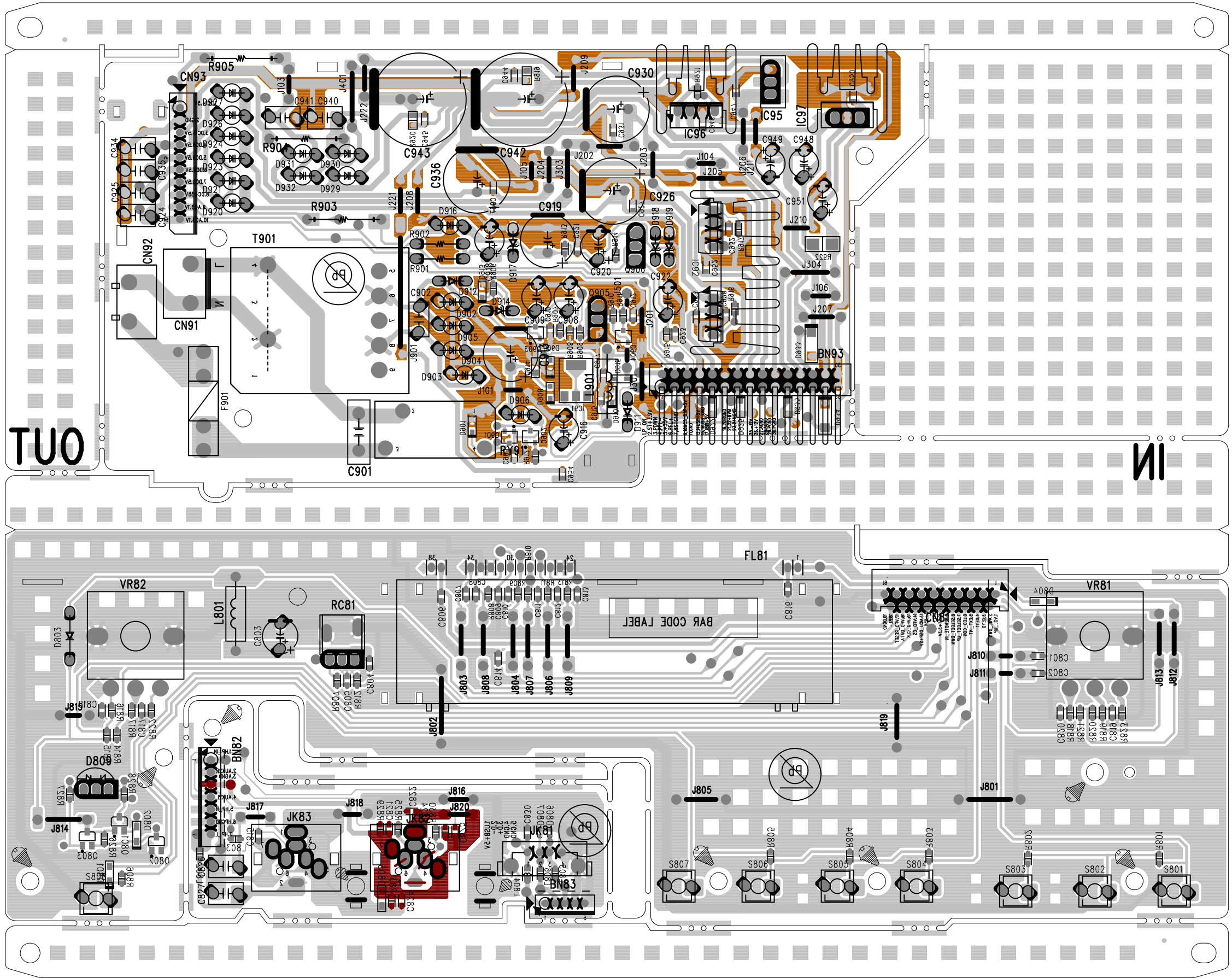
REVISION		2	4		6	
1		3	5		7	
SCHEMATIC DIAGRAM						SHEET
MODEL	NP-H750					1 1
DESIGN	CHECK	APPROVE	DRAWING NO			
Jl.W.H	B.D.J	J.H.P	2418SCMZ			
12.11.26	12.11.26	12.11.26	(AMP)			











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