

8" Active Aluminum Subwoofer

Service
Service
Service

NBF83A

Service Manual

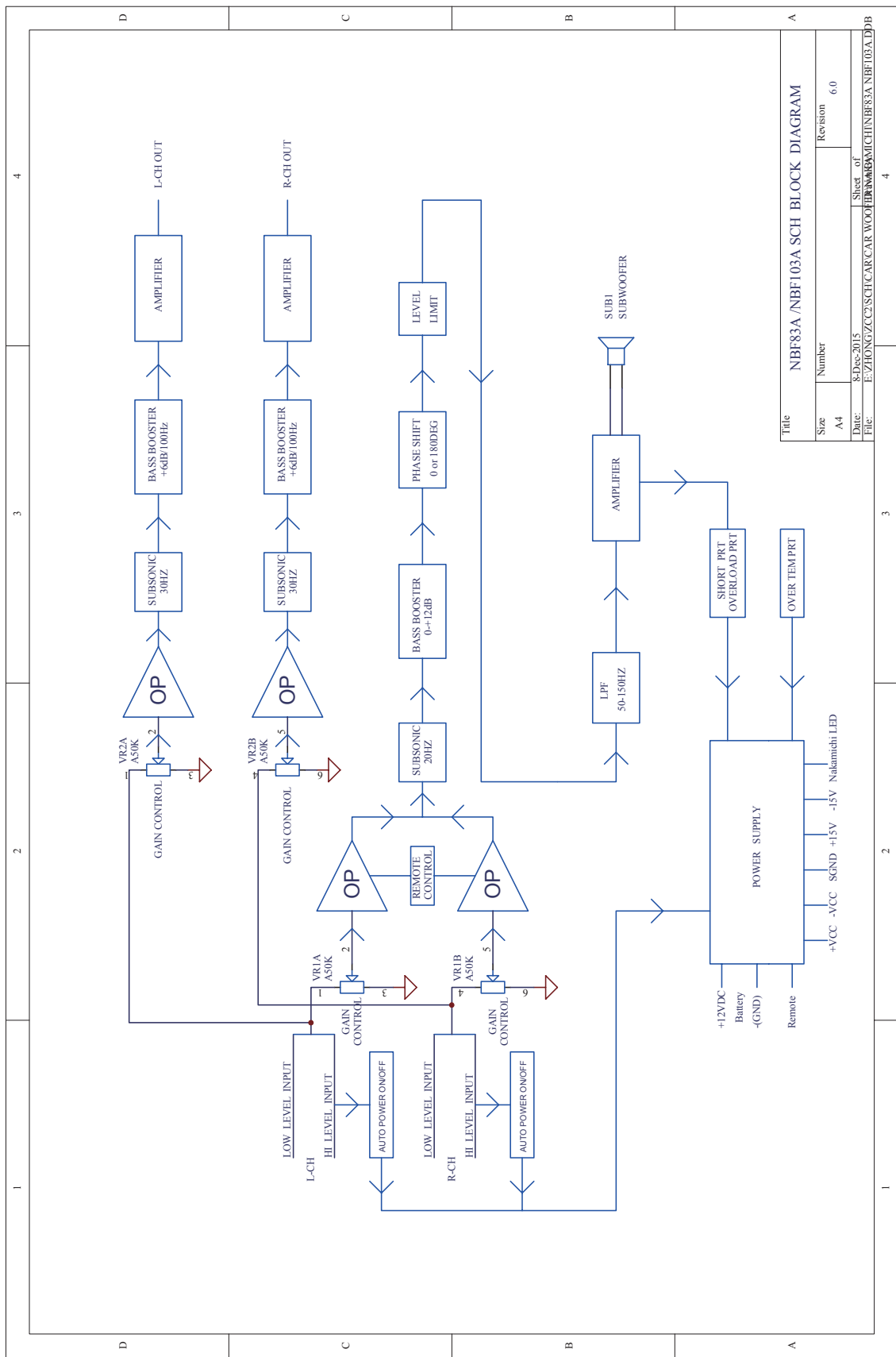
Contents

1. Specifications	2
2. Sch Block Diagram	3
3. Schematic Diagram	4,5
4. Amplifier PCB	
Control PCB	6,7,8,9
Power PCB	10,11,12
5. Packaging Exploded Drawing	13
6. Mechanical Exploded View	14

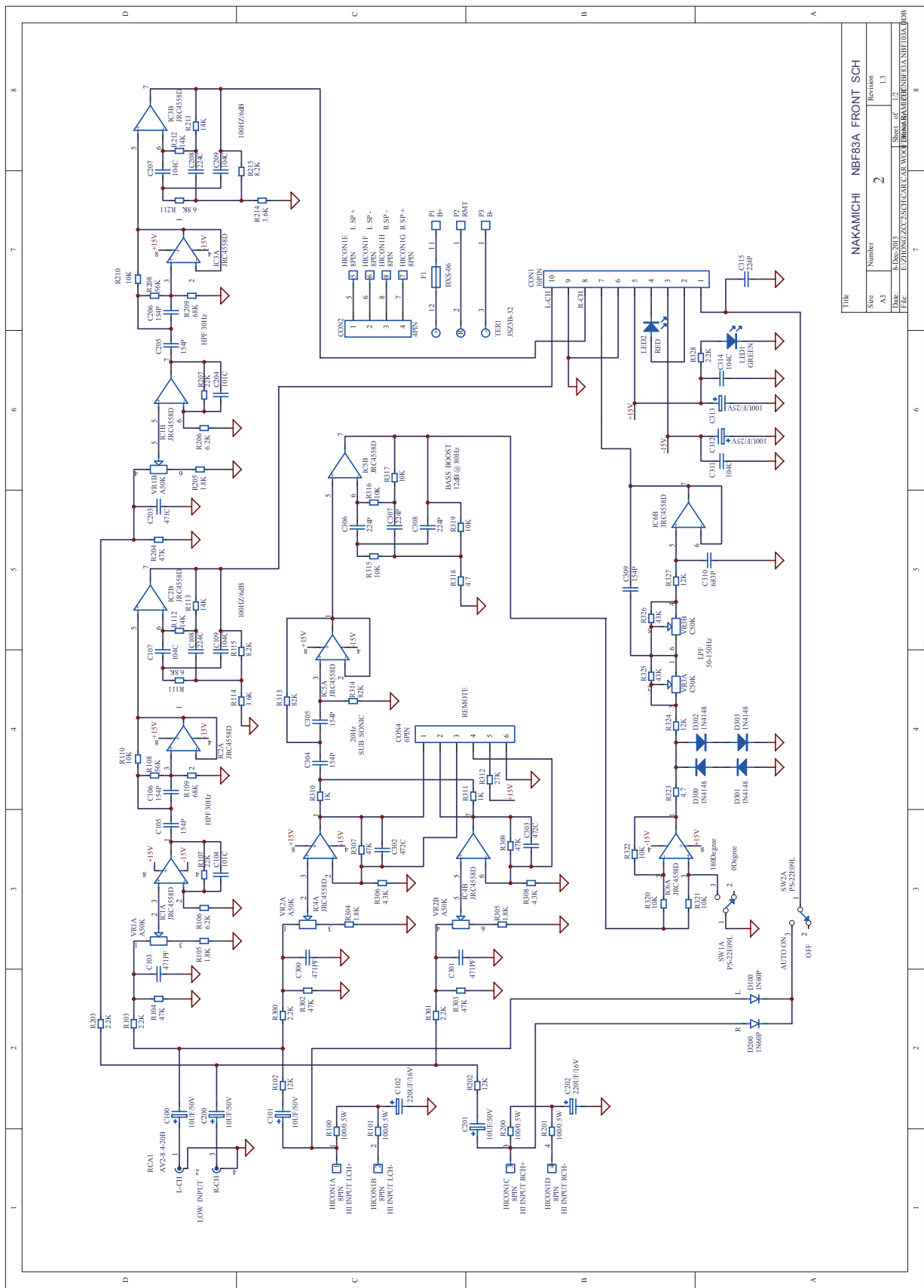
Specifications

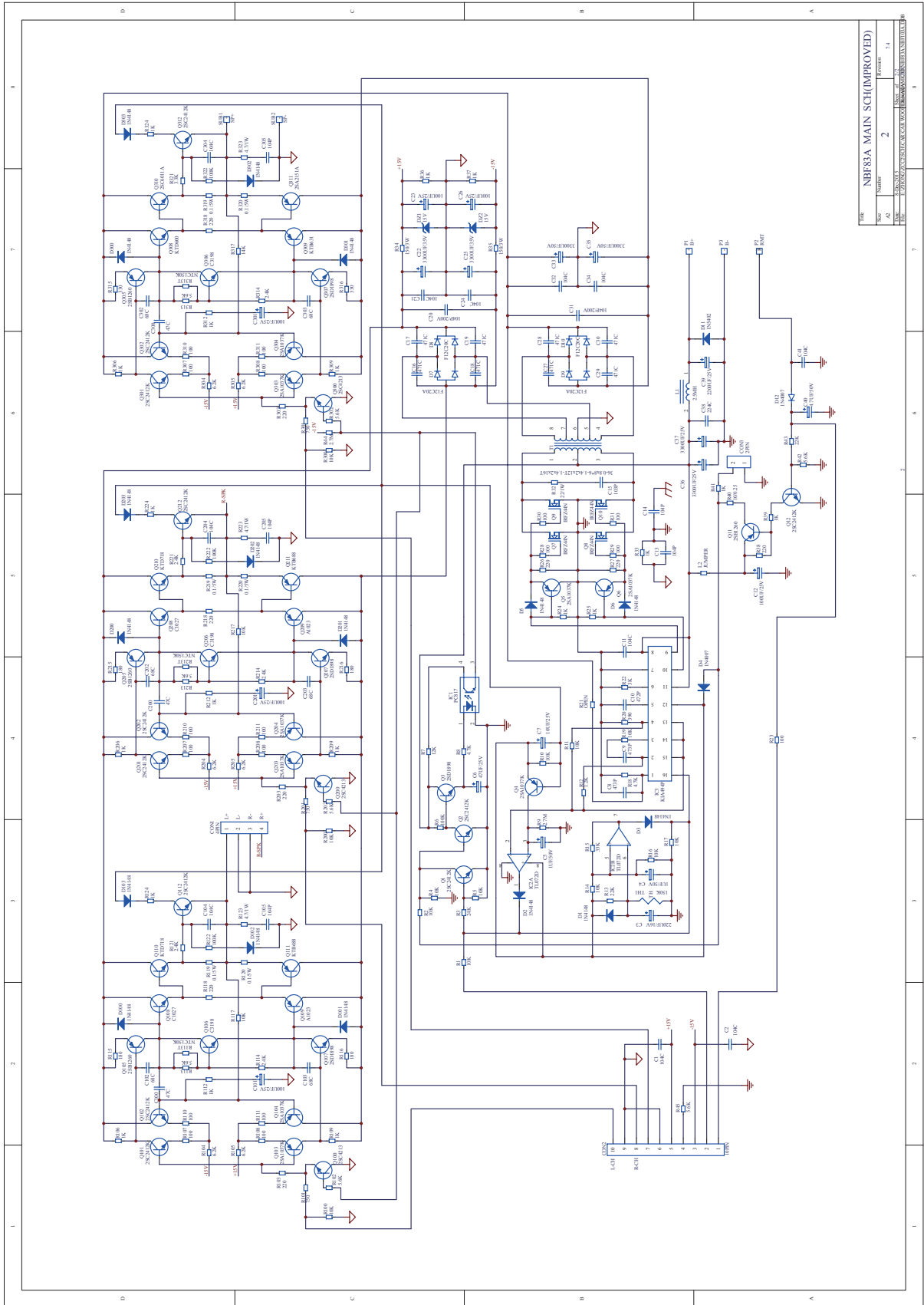
P.W.M Mosfet Power Supply.
RCA Input/High Level Input.
Remote Control for Subwoofer Level.
Phase inverter :0 or 180degree.
Adjustable Input Sensitivity.
Bass Booster:12dB@80Hz.
Sub Sonic Filter:20Hz(fixed).
LPF Filter:50-150Hz.
Power: Subwoofer150W@2ohm+2x50W@4ohm RMS
Auto Turn On:On/Off.
Soft Delayed Remote Turn on.
Protection Circuit:Thermal Protection Circuit.
 Short Protection Circuit.
 Over Load Protection Circuit.
Passive Radiator:185x52mm (2pcs).
Silm Woofer:8inch 2ohm.
Dimension:L345xW250xH80mm.

Sch Block Diagram

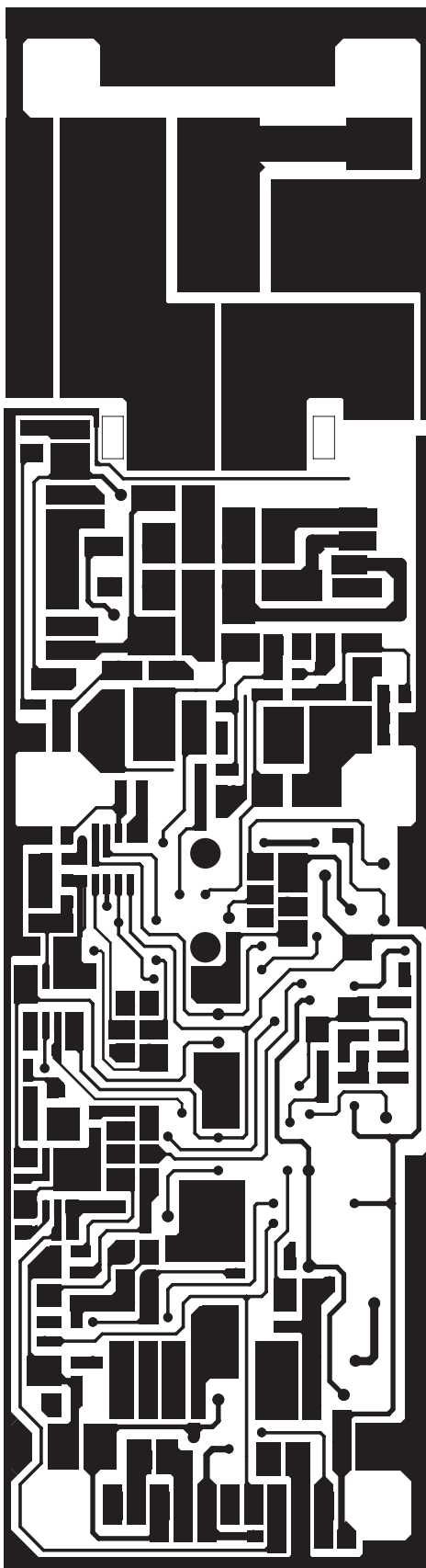


Schematic Diagram

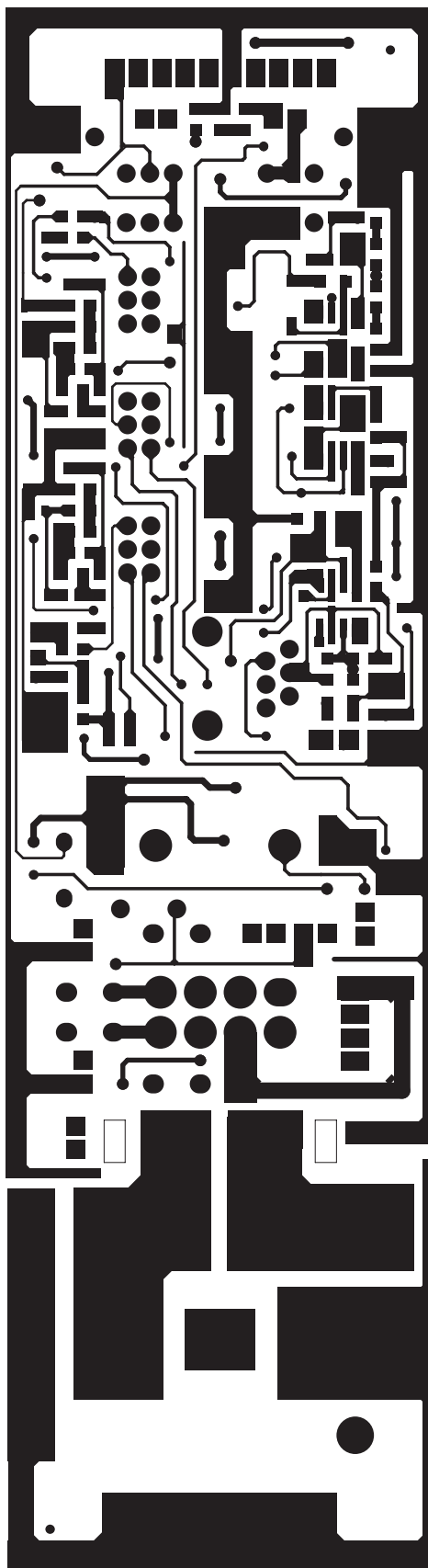




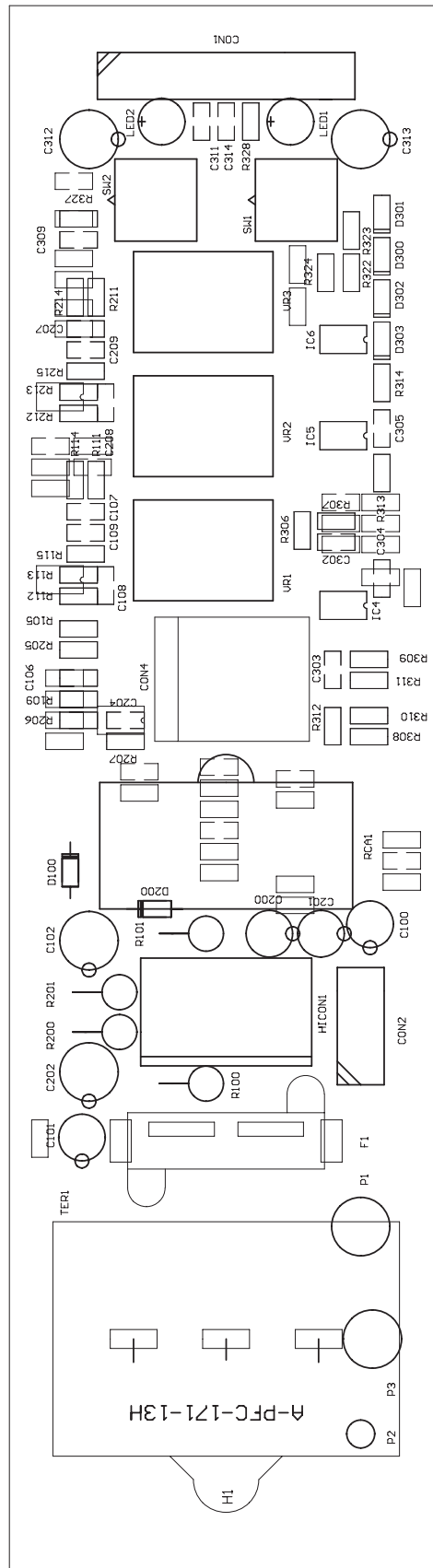
Control PCB Bottom Layer



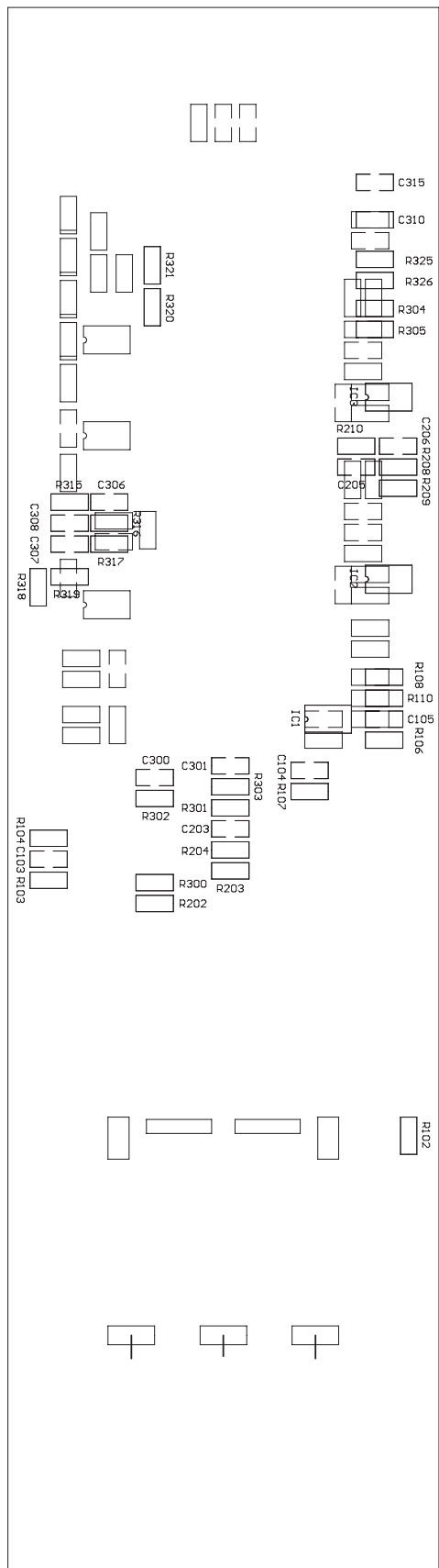
Control PCB TOP Layer



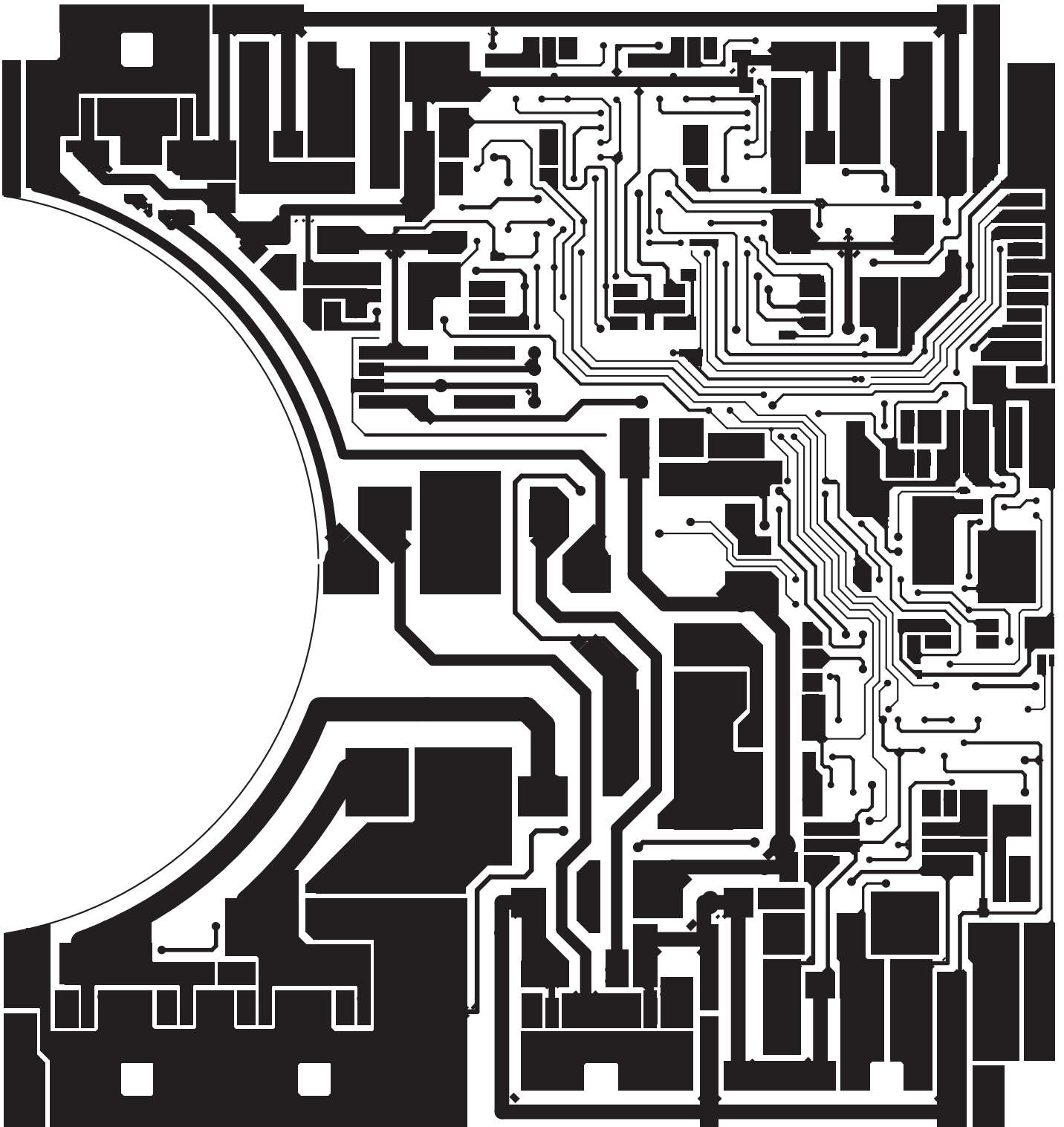
Control PCB Top Silk



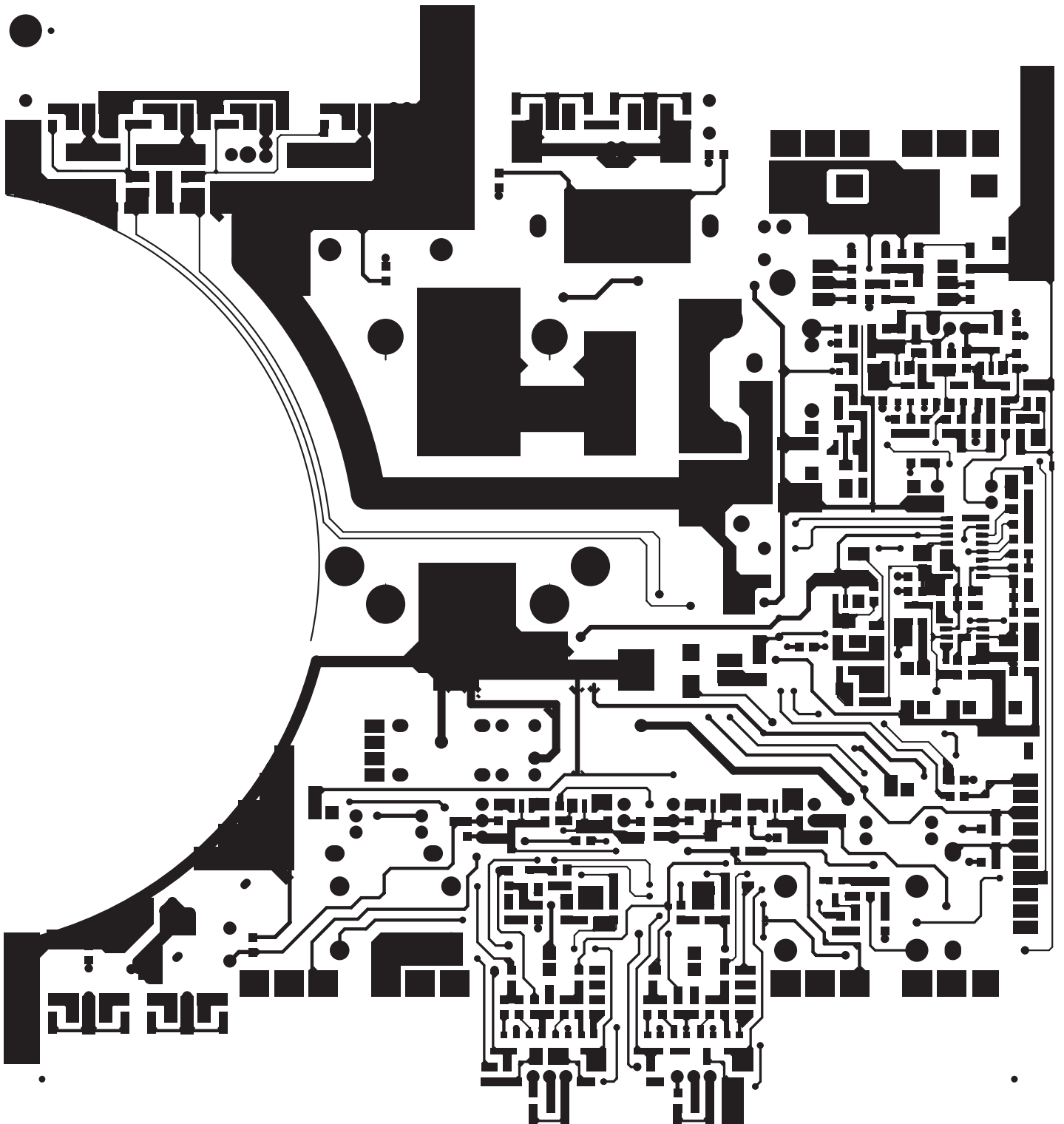
Control PCB Bottom Silk



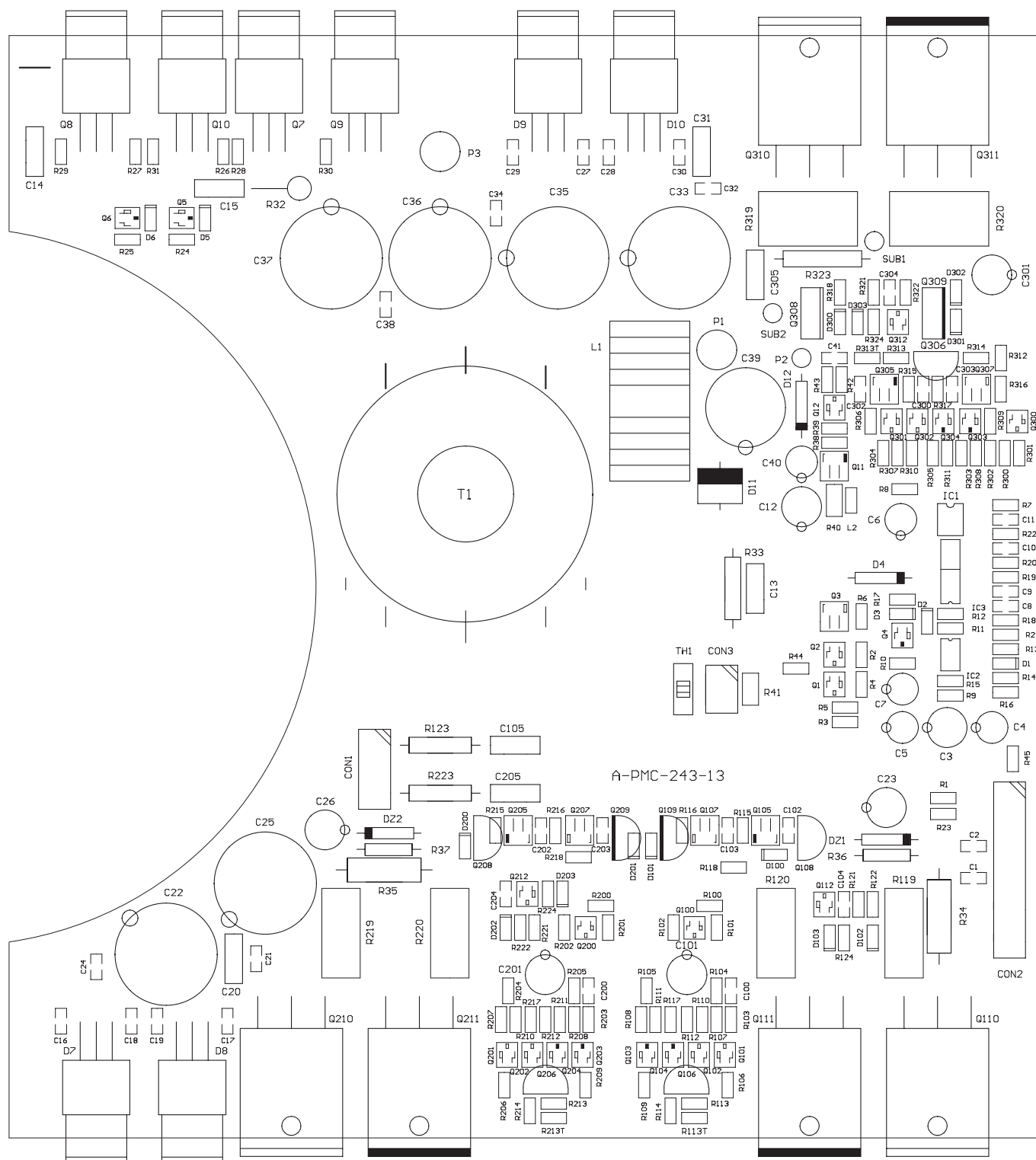
Power PCB Bottom Layer



Power PCB Top Layer

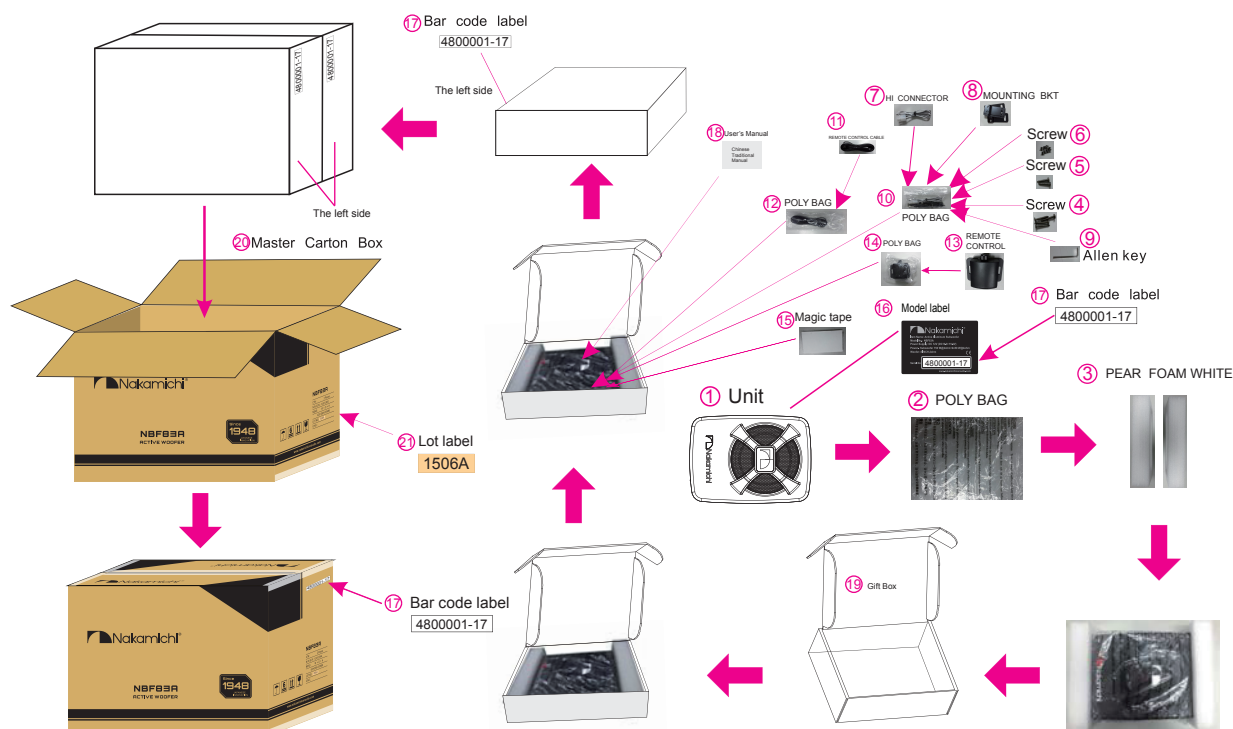


Power PCB Top Silk



Packaging exploded Drawing

NBF83A Packaging exploded Drawing



NO.	Part No	Part Name	QTY	REMARK	NO.	Part No	Part Name	QTY	REMARK
①	NBF83A	Unit	1		⑫	A-YOVB-10013005	Poly bag	1	
②	A-YOVB-37053005	Poly bag	1		⑬	REMOTE2N	Remote control	1	
③	A-YPSB-0043-02	Pear foam	2		⑭	A-YOVB-16025006	Poly bag	1	
④	XHTA-04+25CB	SCREW	4		⑮	MGT1200002	Magic tape	1	
⑤	XHBT-03+14CB	SCREW	2		⑯	A-MLNK-NBF83A-01	Model label	1	
⑥	XHBM-04+06CB	SCREW	8		⑰	A-SLNK-NBF83A-02	Bar code label	3	
⑦	A-HMHB6-017A	HI CONNECTOR	1		⑱	A-IMNK-NBF83A-03	Manual	2	
⑧	A-APBK-0054-01B	MOUNTING BKT	1		⑲	A-WBNK-NBF83A-02	Gift Box	1	
⑨	XHWT-03CN	ALLEN key	1		⑳	A-CTNK-NBF83A-02	Master Carton Box	1/2	
⑩	A-YOVB-16025005	Poly bag	1		㉑	A-MLNK-NBF83A-03	Lot label	2/2	
⑪	REMOTE2NW	Remote control cable	1						

Mechanical Exploded View

