

Service
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Service Manual



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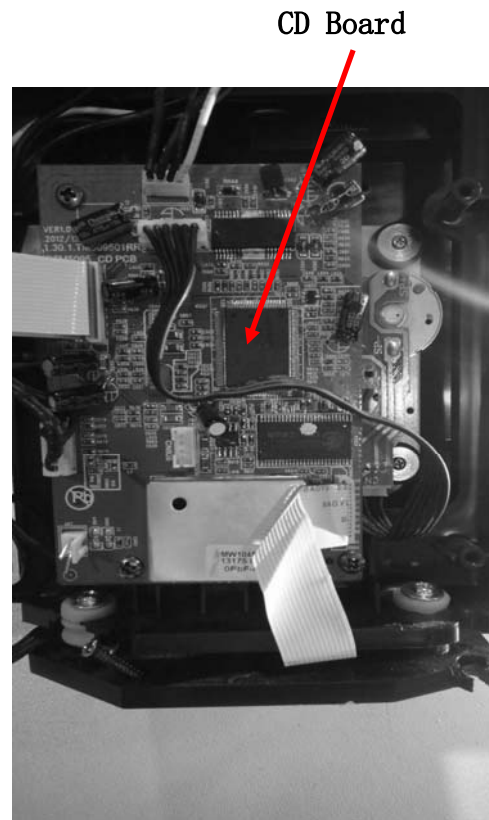
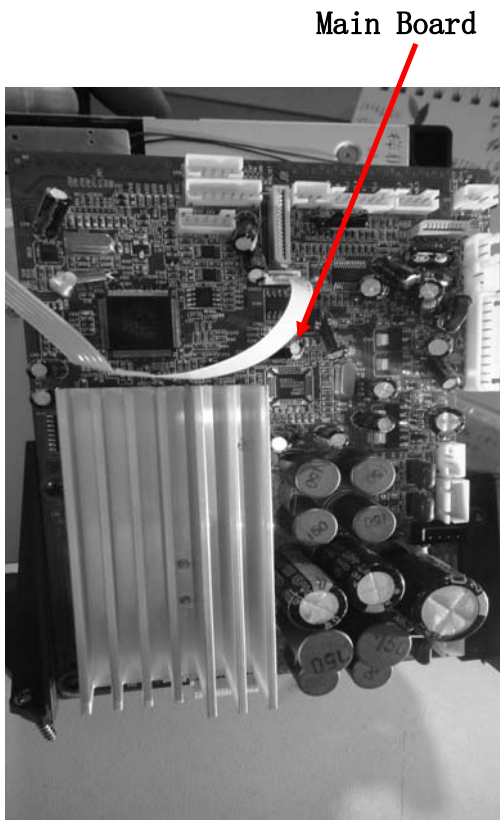
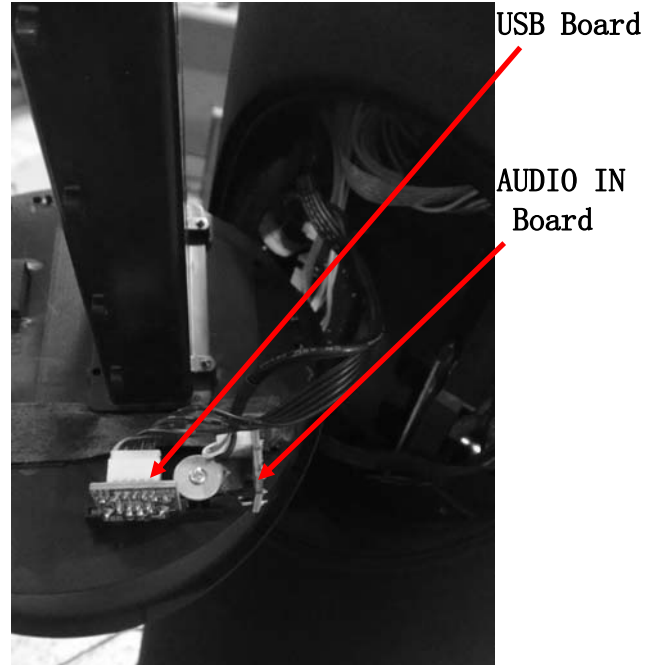
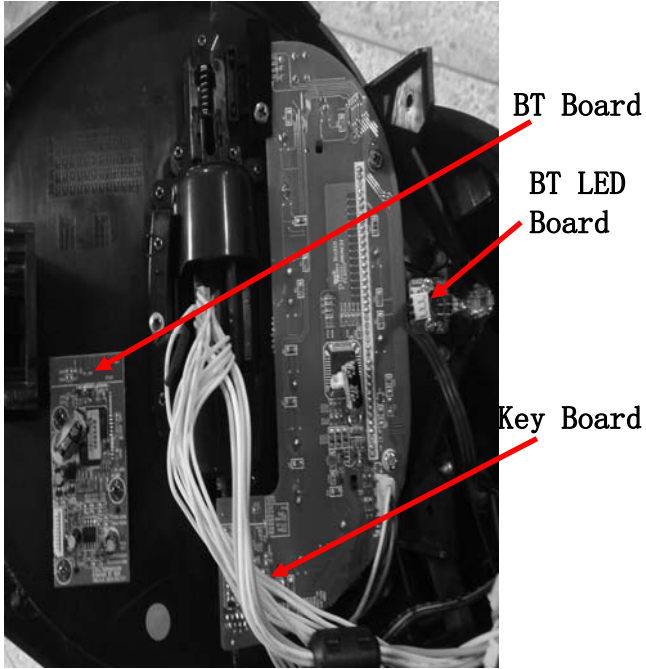
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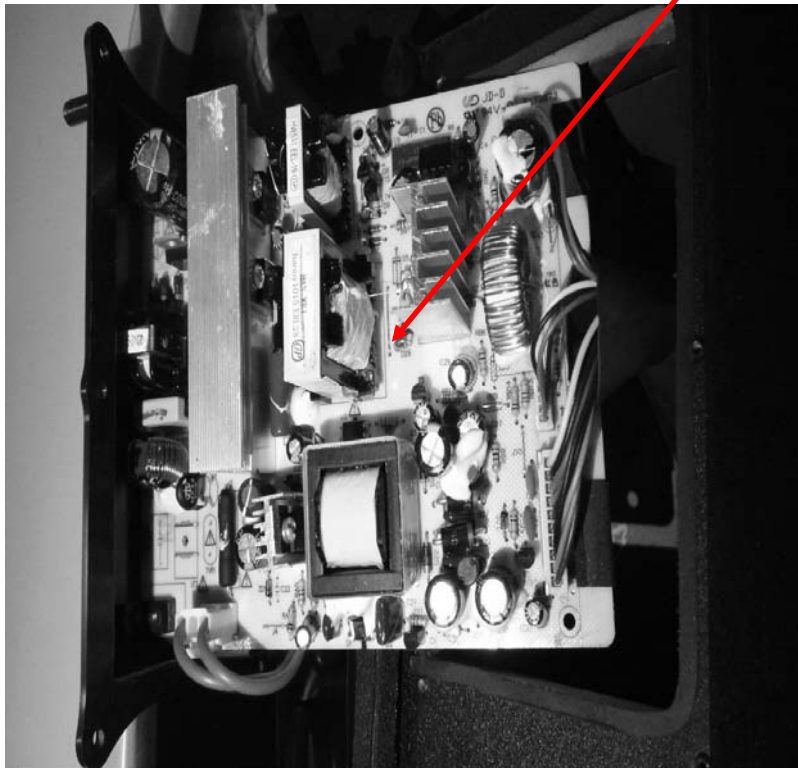
1.Location of PC Boards & Versions Variation

Location of PC Boards

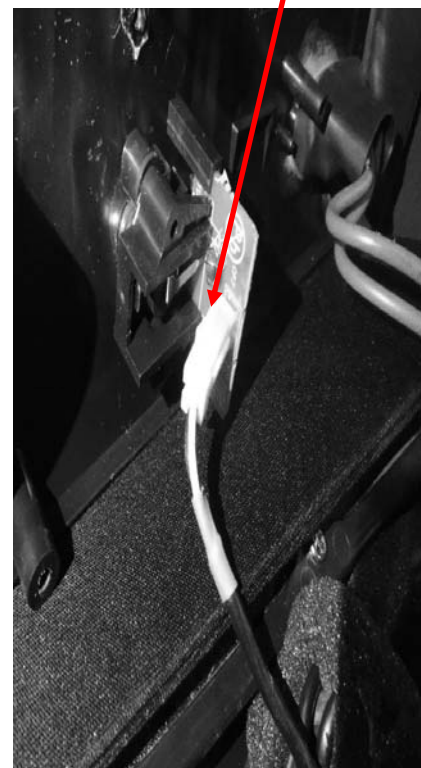


Location of PC Boards

SMPS Board



FM-ANT Board



Versions Variation

Type/Version Board in used	DTM5096					
	service Policy	/12 (EU)	/12 (APMEA)			
KEY Board		M	M+C			
BT Board		M	M+C			
BT LED Board		M	M+C			
USB Board		M	M+C			
AUIDO IN Board		M	M+C			
Main Board		M	M+C			
CD Board		M	M+C			
SMPS Board		M	M+C			
FM-ANT Board		M	M+C			

Tips: C--Component Level Repair
M--Module Level Rpair

2. Technical Specification

MODEL : DTM5096

FM 电气指标及数据

FM Electrical Specification & Data

供电电压Supply : see version table		标准输出Ref.o/p : 500 mW		负载O/P impeded : R/L , LS 6 ohm , Woofer 6 ohm				
项目	内容	Description	条件 Condition	单位 Unit	标准Nor	极限Limit	数据Data	数据Data
1	波段范围	Band coverage		MHz	See version table -sh190			
2	中心频率	Intermediate Frequency		MHz	128KHz			
3	26dB有限噪声灵敏度	26dB quieting sensitivity	90/98/106 MHz	dBuf	18	22	21	21
4	46dB有限噪声灵敏度	46dB sensitivity (Stereo)	40kHz dev	dBuf	46	49	46	46
5	中频抑制	I.F. rejection		dB	65	60	60	61
6	镜像抑制	Image rejection		dB	25	20	22	22
7	-3dB限制灵敏度	-3dB limiting PT.		dBuV	17	23.5	21	21
8	调幅抑制比	AM supression Input	100uV~5mV,22.5kHzdev	dB	30	25	30	30
9	-3dB 自动频率控制范围	-3dB AFC holding range	1mV ,22.5kHz dev, lower to upper range	kHz	\	\	\	\
10	选择性	Adjacent channel selectivity	+/-400KHz	dB	40	33	40	40
11	过载失真	Overall distortion	100uV~4mV,75kHz dev	%	4	7	4	5
12	最大有用输入信号	Large signal handling	75kHz dev, ref o/p with 10% THD	dBuV	116	108	108	108
13	中频啸叫	8X,9X,10X harmonics whistle	10uV~1mV,22.5kHz dev	dB	35	30	>35	>35
14	频率响应 (1kHz ref)	Overall frequency response (1kHz ref)	- 50us(For EUR)	Hz		300	1.2	1.2
			- 75us (For USA)	Hz		8K	2	2
15	10%失真输出功率 67.5kHz dev	Output power At 10% THD Living sound on	1KHz FRONT R / L	W	40	32	30	30
			1KHz LIVING SOUND	W	20	16	11	12
			100Hz SUB - WOOFER	W	70	56	60	61
16	失真度	Distortion	1mV, 22.5kHz dev	%	1	3	1	1
17	信噪比	S/N ratio	1mV,75kHz dev	dB	50	45	61	61
18	哼声调制信噪比	Modulation hum	1mV ,22.5kHz dev	dB	55	45	50	55
19	放大器系数	Amplification reserve		dB	\	\	\	\
20	噪声 (最大音量 - 20dB)	Hum	Vol. max. -20dB	mV	2	6	0.8	0.8
21	立体声开	Stereo On pont	Pilot dev : 6kHz	dBuV	9,5	28	29	29
22	立体声关	Stereo Off pont		dbuV	Switching On -6dB		/	/
23	声道分离度 (400 / 1000 / 5000)	Channel separation (400 / 1000 / 5000Hz)	1mV ,40kHz dev W/A FILTER	dB	26/30/20	20/26/18	25/28/22	25/28/22
24	声道不平衡 (250 to 6300Hz)	Channel unbalance (250 to 6300Hz)	1mV ,22.5kHz dev	dB	0	3	0.2	0.2
25	停震电压	Osc. stop voltage	120V setting	V	96		N/A	N/A
			230V setting	V	184		N/A	N/A
26	频率漂移(温度)	Frequency drift vs. temp.	-10°C<--->10°C	kHz/°C	N/A		N/A	
			30°C<--->50°C	kHz/°C	N/A		N/A	
			10°C<--->30°C	kHz/°C	N/A		N/A	
27	选台灵敏度	Search tuning sensitivity		dBuV	16 to 28	11 to 35	32/34/35	32/34/35
28	选台准确度	arch tuning stop accuracy	Vin >14.2mV,Step <= 50kHz	Step	0 +/- 1		N/A	N/A
			Other condition					

29	选台总时间	time of total tuning range	87.5 to 108MHz	S	<= 60		N/A	N/A
			65.81to74 & 87.5to108MHz		<= 100			
30	最大输出电平	Max output	1mV, 75kHz dev	V	For reference only		N/A	N/A
31	耗电量 (DC in)	Curnet consumption	min. / max. vol.	67.5kHz	Refer to sh190			
32	RDS 灵敏度	RDS sensitivity	40kHz dev	dBuV	28	35	N/A	N/A

CD 电气指标及数据

CD Electrical Specification & Data

音频 Audio part (measured with Audio Signal 1 disc - SBC429, 20 to 20k Hz filter)

供电电压 Supply : see version table		标准输出 Ref.o/p : 500 mW		负载 O/P impeded : R/L, LS 6 ohm, Woofer 6 ohm				
项目	内容	Description	条件 Condition	单位 Unit	标准 Nor	极限 Limit	数据 Data	数据 Data
1	声道平衡	Channel balance	FRONT R / L	dB	0	2	0.1	0.1
			LIVING SOUND	dB	0	2	N/A	N/A
2	失真	THD (10KHz / 1KHz)	FRONT R / L	%	2.0 / 1.0	3.0 / 1.5	0.5	0.5
			LIVING SOUND	%	2.0 / 1.0	3.0 / 1.5	1.0	1.0
			100Hz SUB - WOOFER	%	2.0 / 1.0	3.0 / 1.5	0.57	0.57
3	串音	Crosstalk 1K	FRONT R / L	dB	45 / 40	30 / 30	74	74
			LIVING SOUND	dB	45 / 40	30 / 30	N/A	N/A
4	频率响应	300 to 20kHz Frequency response	FRONT R / L	dB	0	+/- 3	-1.7	-1.7
			LIVING SOUND	dB	0	+/- 3	-1	-1
			60 to 250Hz SUB - WOOFER	dB	0	+/- 3	-2	-2
5	10%失真输出功率	Output power At 10% THD 1 kHz 0 dB Living sound on	1KHz FRONT R / L	W	40	32	35.5	35
			1KHz LIVING SOUND	W	20	16	11	11
			100Hz SUB - WOOFER	W	70	56	62	62
6	信噪比	SNR unwttd.	TNO 15 & TNO 49 (line out)	dB	\	\	\	\
			TNO 15 & TNO 49 (speaker out)	dB	\	\	\	\
7	信噪比	SNR wtd. DBA	FRONT R / L	dB	80	75	88	88
			LIVING SOUND	dB	62	57	84	84
			SUB - WOOFER	dB	62	57	91	91
8	放大器系数	Amplification reserve	TNO 35 (1 KHz -6dB)	dB	\	\	\	\
9	噪声 (最大音量 - 20dB)	hum	FRONT R / L	mV	1	3	0.6	0.6
			LIVING SOUND	mV	1	3	0.5	0.5
			Vol. max. -20dB to vol. Min SUB - WOOFER	mV	1	3	0.5	0.5
10	最小音量(残余)噪声	Min volume (residual) noise	FRONT R / L	mv	0.6	0.8	0.2	0.2
			LIVING SOUND	mv	0.6	0.8	0.2	0.2
			SUB - WOOFER	mv	0.6	0.8	0.2	0.2
11	最大输出电平	Max output	-20db / -0dB	V	For reference only			

USB 电气指标及数据

USB Electrical Specification & Data

供电电压 Supply : see version table		标准输出 Ref.o/p : 500 mW		负载 O/P impeded : R/L, LS 6 ohm, Woofer 6 ohm				
项目	内容	Description	条件 Condition	单位 Unit	标准 Nor	极限 Limit	数据 Data	数据 Data
1	声道平衡	Channel balance	FRONT R / L	dB	0	2	0.2	0.2
			LIVING SOUND	dB	0	2	N/A	N/A

2	失真	THD (10KHz / 1KHz)	FRONT R / L	%	2.0 / 1.0	3.0 / 1.5	0.8	0.8
			LIVING SOUND	%	2.0 / 1.0	3.0 / 1.5	1.2	1.2
			100Hz	SUB - WOOFER	%	2.0 / 1.0	3.0 / 1.5	0.9
3	串音	sstalk 1K	FRONT R / L	dB	45 / 40	30 / 30	65	65
			LIVING SOUND	dB	45 / 40	30 / 30	N/A	N/A
4	频率响应 Frequency response	300 to 20kHz 300 to 20KHz 60 to 250Hz	FRONT R / L	dB	0	+/- 3	3	3
			LIVING SOUND	dB	0	+/- 3	3	3
			SUB - WOOFER	dB	0	+/- 3	1.2	1.2
5	10%失真输出功率 1 kHz 0 dB	Output power At 10% THD 1KHz Living sound on 1KHz 100Hz	FRONT R / L	W	40	32	30	30
			LIVING SOUND	W	20	16	11	11
			SUB - WOOFER	W	70	56	61	61
6	信噪比	IR unwt d.	TNO 15 & TNO 49 (line out)	dB	\	\	\	\
			TNO 15 & TNO 49 (speaker out)	dB	\	\	\	\
7	信噪比	SNR wtd. DBA	FRONT R / L	dB	80	75	88	88
			LIVING SOUND	dB	62	57	87	87
			SUB - WOOFER	dB	62	57	80	80
8	放大器系数	Amplification reserve	TNO 35 (1 KHz -6dB)	dB	\	\	\	\
9	噪声 (最大音量 - 20dB) Vol. max. -20dB to vol. Min	hum	FRONT R / L	mV	1	3	0.6	0.6
			LIVING SOUND	mV	1	3	0.6	0.6
			SUB - WOOFER	mV	1	3	0.5	0.5
10	最小音量(残余)噪声 vol = 0 mute no active	Min volume (residual) noise	FRONT R / L	mv	0.6	0.8	0.2	0.2
			LIVING SOUND	mv	0.6	0.8	0.2	0.2
			SUB - WOOFER	mv	0.6	0.8	0.1	0.1
11	最大输出电平	Max output	-20db / -0dB	V	For reference only		N/A	N/A

AUDIO IN 電氣指標及數據							
AUDIO IN Electrical Specification & Data							
供电电压Supply : see version table		标准输出Ref.o/p : 500 mW		负载O/P impeded : R/L , LS 6 ohm , Woofer 6 ohm			
音频Audio part (Input 1KHZ 500mv ,test signal copy from Audio Signal 1 disc - SBC429 data)							
项目	内容	Description	条件 Condition	单位 Unit	标准Nor	极限Limit	数据Data
1	输入灵敏度	Input sensitivity		mV	\	\	500MV 505MV
2	声道不平衡	Channel unbalance	FRONT R / L	dB	0	3	0 0
			LIVING SOUND	dB	0	3	N/A N/A
3	频率响应 Frequency response	300 to 20kHz 300 to 20KHz 60 to 250Hz	FRONT R / L	dB	0	+/- 3	-3 -3
			LIVING SOUND	dB	0	+/- 3	3 3
			SUB - WOOFER	dB	0	+/- 3	2.2 2.2
4	声道分离度	Channel separation	FRONT R / L	dB	40	30	52 52
			LIVING SOUND	dB	40	30	N/A N/A
5	失真度 500mV	THD (10KHz / 1KHz)	FRONT R / L	%	0.2/1	1/3	0.16 0.17
			LIVING SOUND	%	0.2/1	1/3	0.18 0.19
			100Hz	SUB - WOOFER	%	0.2/1	1/3
6	10%失真输出	10% THD output power 500MV	FRONT R / L	W	40	32	30 30
			LIVING SOUND	W	20	16	10 10
			SUB - WOOFER	W	70	56	62 63
7	信噪比	S/N wtd. DBA	FRONT R / L	dB	80	75	88 88
			LIVING SOUND	dB	62	57	87 87
			SUB - WOOFER	dB	62	57	80 80
	噪声 (最大音量 - 20dB)	Hum	FRONT R / L	mV	1	3	0.6 0.6

8	Min volume (residual) noise	LIVING SOUND	mV	1	3	0.5	0.5
		SUB - WOOFER	mV	1	3	0.5	0.5
9	最小音量(残余)噪声 Min volume (residual) noise	FRONT R / L	mV	0.6	0.8	0.2	0.2
		LIVING SOUND	mV	0.6	0.8	0.2	0.2
		SUB - WOOFER	mV	0.6	0.8	0.1	0.1

耳机電氣指標及數據

Headphone Electrical Specification & Data

項目	內容	Description	条件 Condition	單位 Unit	标准Nor	极限Limit	数据Data	数据Data
1	10%失真输出	10% THD output power	Headphone impedance 32 ohm	mW		8	8.7	8.8
2	电平比较	Level Matching	AUX 500MV (1 KHz)	dB	0	+ / - 3	0	0.1
			CD 1K -6 db	dB	0	+ / - 3	1.5	1.5
			USB 1K -6 db	dB	0	+ / - 3	0.8	0.9
			FM 1K MOD: 67.5DEV	dB	0	+ / - 3	-2.2	-2.3
			IPOD 4G / I-PHONE 1K 0db	dB	0	+ / - 3	0	0

I-PHONE / IPOD (I-PHONE 5)電氣指標及數據

I-PHONE 5 Electrical Specification & Data

供电电压Supply : see version table		标准输出Ref.o/p : 500 mW		负载O/P impeded : R/L , LS 6 ohm , Woofer 6 ohm				
音频Audio part (test signal copy from Audio Signal 1 disc - SBC429) data setting will be TBC								
項目	內容	Description	条件 Condition	單位 Unit	标准Nor	极限Limit	数据Data	数据Data
1	声道平衡	Channel balance	FRONT R / L	dB	0	2	0.2	0.2
			LIVING SOUND	dB	0	2	N/A	N/A
2	失真	THD (10KHz / 1KHz) 100Hz	FRONT R / L	%	2.0 / 1.0	3.0 / 1.5	0.25	0.26
			LIVING SOUND	%	2.0 / 1.0	3.0 / 1.5	0.3	0.3
			SUB - WOOFER	%	2.0 / 1.0	3.0 / 1.5	0.2	0.2
3	串音	Crosstalk 1K	FRONT R / L	dB	45 / 40	30 / 30	73	75
			LIVING SOUND	dB	45 / 40	30 / 30	N/A	N/A
4	频率响应 Frequency response	TNC 200 to10KH; 16KHz 200 to10KH; 16KHz 40 to 150Hz	FRONT R / L	dB	0	+/- 3	3	3
			LIVING SOUND	dB	0	+/- 3	2.2	2.2
			SUB - WOOFER	dB	0	+/- 3	1.2	1.2
5	10%失真输出功率 1 kHz 0 dB	Output power At 10% THD 1KHz Living sound on 1KHz 125Hz	FRONT R / L	W	40	32	32	32
			LIVING SOUND	W	20	16	10.6	10.6
			SUB - WOOFER	W	70	56	62	63
6	信噪比	IR unwttd.	TNO 15 & TNO 49 (line out)	dB	\	\	N/A	N/A
			TNO 15 & TNO 49 (speaker out)	dB	\	\	N/A	N/A
7	信噪比	SNR wtd. DBA	FRONT R / L	dBA	80	75	88	89
			LIVING SOUND	dBA	62	57	88	89
			SUB - WOOFER	dBA	62	57	89	89
8	放大器系数	Amplification reserve	TNO 35 (1 KHz -6dB)	dB	\	\	N/A	N/A
9	噪声 (最大音量 - 20dB) /vol. max. -20dB to vol. Min	hum	FRONT R / L	mV	1	3	0.5	0.5
			LIVING SOUND	mV	1	3	0.6	0.6
			SUB - WOOFER	mV	1	3	0.5	0.5
10	最小音量(残余)噪声 Min volume (residual) noise		FRONT R / L	mv	0.6	0.8	0.2	0.2
			LIVING SOUND	mv	0.6	0.8	0.1	0.1
			SUB - WOOFER	mv	0.6	0.8	0.1	0.1

11	最大输出电平	Max output	-20db / -0dB	V	For reference only	N/A	N/A
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BLUE TOOTH 電氣指標及數據

BT Electrical Specification & Data

供电电压Supply : see version table 标准输出Ref.o/p : 500 mW 负载O/P impeded : R/L , LS 6 ohm , Woofer 6 ohm

音频Audio part (test signal copy from Audio Signal 1 disc -SBC429) data setting will be TBC

项目	内容	Description	条件 Condition	单位 Unit	标准Nor	极限Limit	数据Data	数据Data
1	声道平衡	Channel balance	FRONT R / L	dB	0	2	0.2	0.2
			LIVING SOUND	dB	0	2	N/A	N/A
2	失真	THD (10KHz / 1KHz)	FRONT R / L	%	2.0 / 1.0	3.0 / 1.5	0.5	0.5
			LIVING SOUND	%	2.0 / 1.0	3.0 / 1.5	0.2	0.2
			100Hz SUB - WOOFER	%	2.0 / 1.0	3.0 / 1.5	0.6	0.6
3	串音	Crosstalk 1K	FRONT R / L	dB	45 / 40	30 / 30	75	77
			LIVING SOUND	dB	45 / 40	30 / 30	N/A	N/A
4	频率响应 Frequency response	TNC 200 to10KH; 16KHz 200 to10KH; 16KHz 40 to 150Hz	FRONT R / L	dB	0	+/- 3	2.2	2.2
			LIVING SOUND	dB	0	+/- 3	1.2	1.3
			SUB - WOOFER	dB	0	+/- 3	1	1
5	10%失真输出功率 1 kHz 0 dB Living sound on	Output power At 10% THD 1KHz 1KHz 125Hz	FRONT R / L	W	40	32	33	33
			LIVING SOUND	W	20	16	11	11
			SUB - WOOFER	W	70	56	62	64
6	信噪比	SNR unwtd.	TNO 15 & TNO 49 (line out)	dB	\	\	N/A	N/A
			TNO 15 & TNO 49 (speaker out)	dB	\	\	N/A	N/A
7	信噪比	SNR wtd. DBA	FRONT R / L	dBA	80	75	88	89
			LIVING SOUND	dBA	62	57	87	88
			SUB - WOOFER	dBA	62	57	88	88
8	放大器系数	Amplification reserve	TNO 35 (1 KHz -6dB)	dB	\	\	N/A	N/A
9	噪声 (最大音量 - 20dB) /ol. max. -20dB to vol. Min	hum	FRONT R / L	mV	1	3	0.5	0.5
			LIVING SOUND	mV	1	3	0.6	0.6
			SUB - WOOFER	mV	1	3	0.6	0.6
10	最小音量(残余)噪声 Min volume (residual) noise		FRONT R / L	mv	0.6	0.8	0.1	0.1
			LIVING SOUND	mv	0.6	0.8	0.2	0.2
			SUB - WOOFER	mv	0.6	0.8	0.2	0.2
11	最大输出电平	Max output	-20db / -0dB	V	For reference only	N/A	N/A	

3.Safety instruction

1. General safety

Safety regulations require that during a repair:

- . Connect the unit to the mains via an isolation transformer.
- . Replace safety components indicated by the symbol ▲, only by components identical to the original ones. Any other component substitution (other than original type) may increase risk of fire or electrical shock hazard.

Safety regulations require that after a repair, you must return the unit in its original condition. Pay, in particular, attention to the following points:

- . Route the wires/cables correctly, and fix them with the mounted cable clamps.
- . Check the insulation of the mains lead for external damage.
- . Check the electrical DC resistance between the mains plug and the secondary side:
 - 1) Unplug the mains cord, and connect a wire between the two pins of the mains plug.
 - 2) Set the mains switch the "on" position (keep the mains cord unplug).
 - 3) Measure the resistance value between the mains plug and the front panel, controls, and chassis bottom.
 - 4) Repair or correct unit when the resistance measurement is less than 1M Ω .
 - 5) Verify this, before you return the unit to the customer/user (ref. UL-standard no. 1492).
 - 6) Switch the unit "off", and remove the wire between the two pins of the mains plug.

2.Laser safety

This unit employs a laser. Only qualified service personnel may remove the cover, or attempt to service this device (due to possible eye injury).

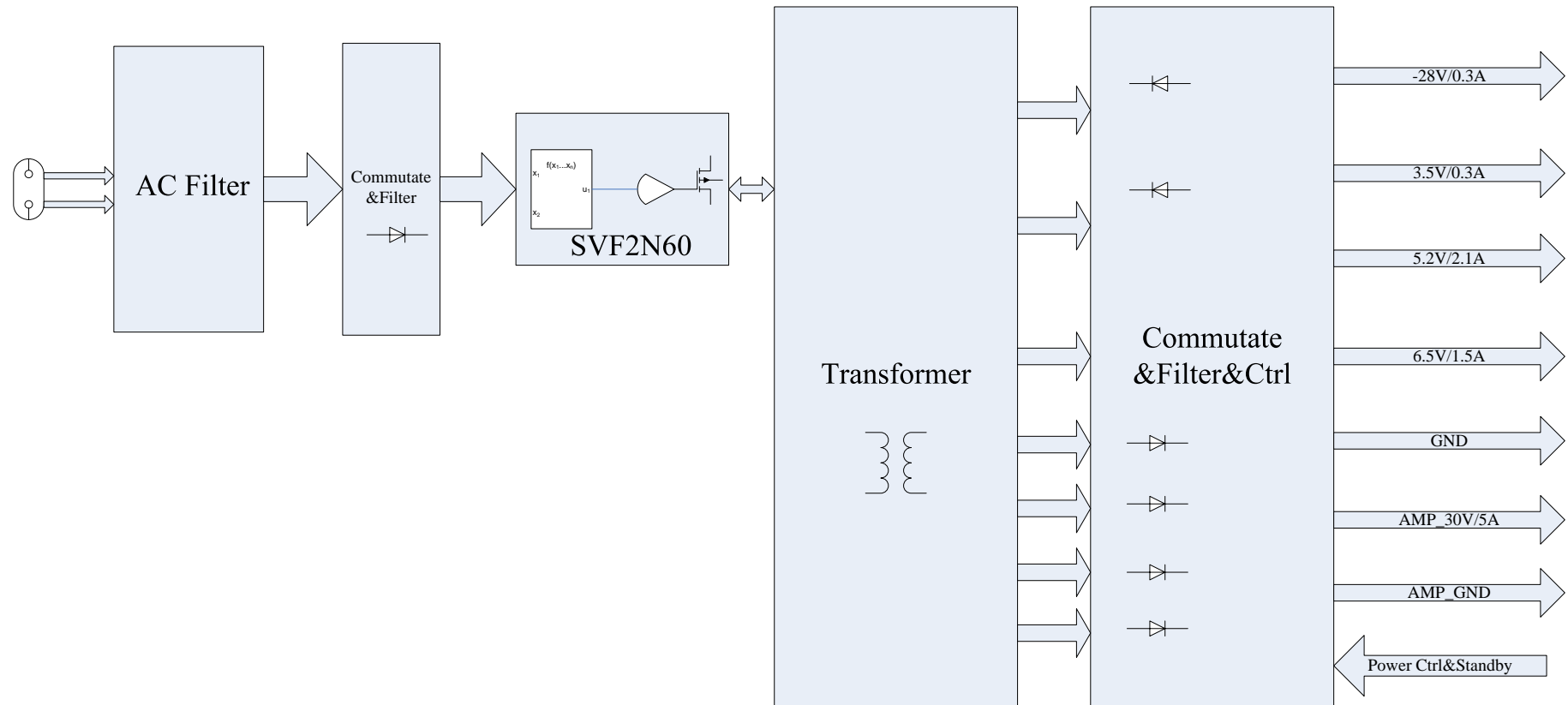
Laser device unit

Type	: Semiconductor laser GaAlAs
Wavelength	: 650nm (DVD)
	: 780nm (VCD/CD)
Output power	: 7mW (DVD)
	: 10mW (DVD /CD)

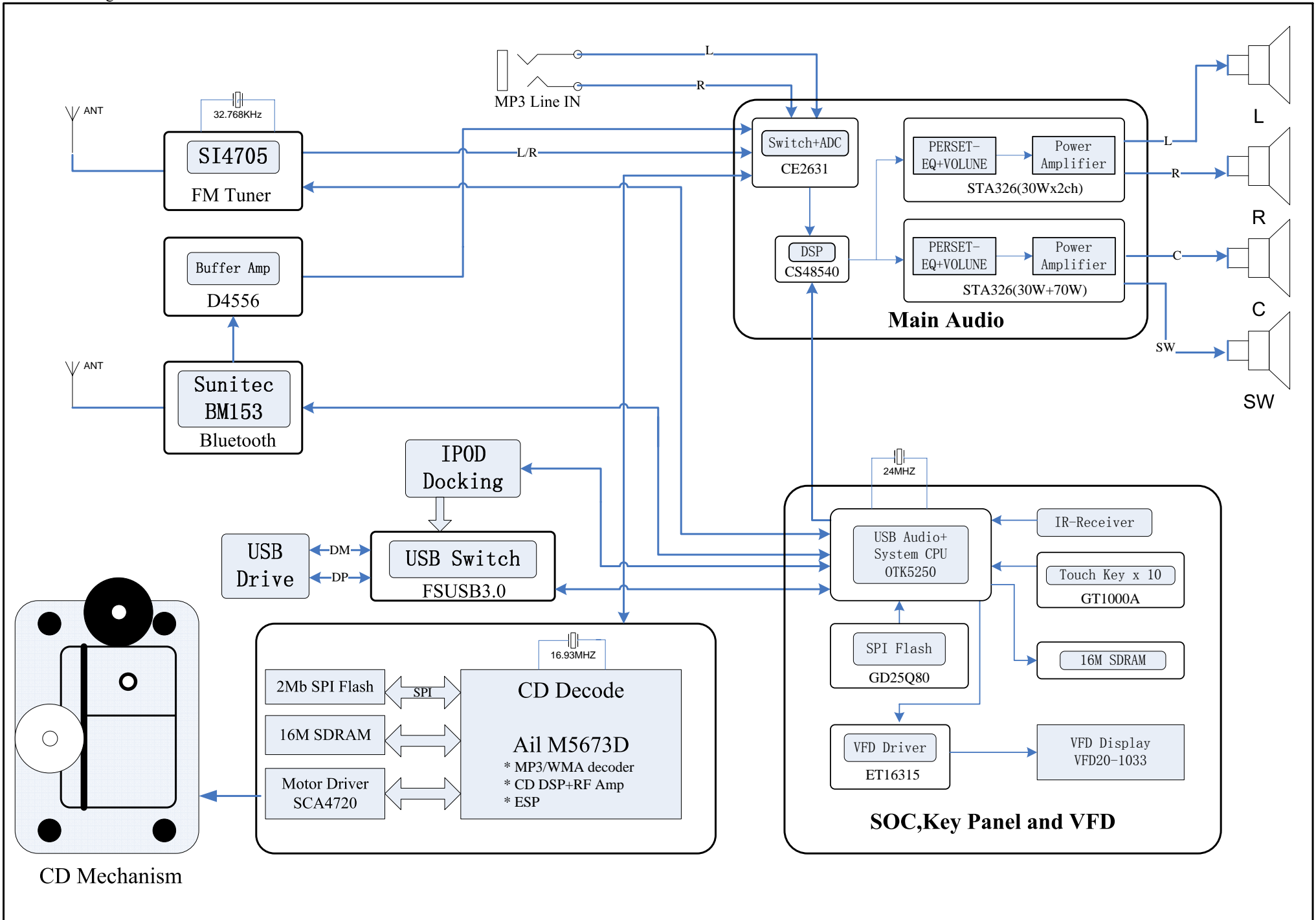
Beam divergence: 60 degree

Note: Use of controls or adjustments or performance of procedure other than those specified herein, may result in hazardous radiation exposure. Avoid direct exposure to beam.

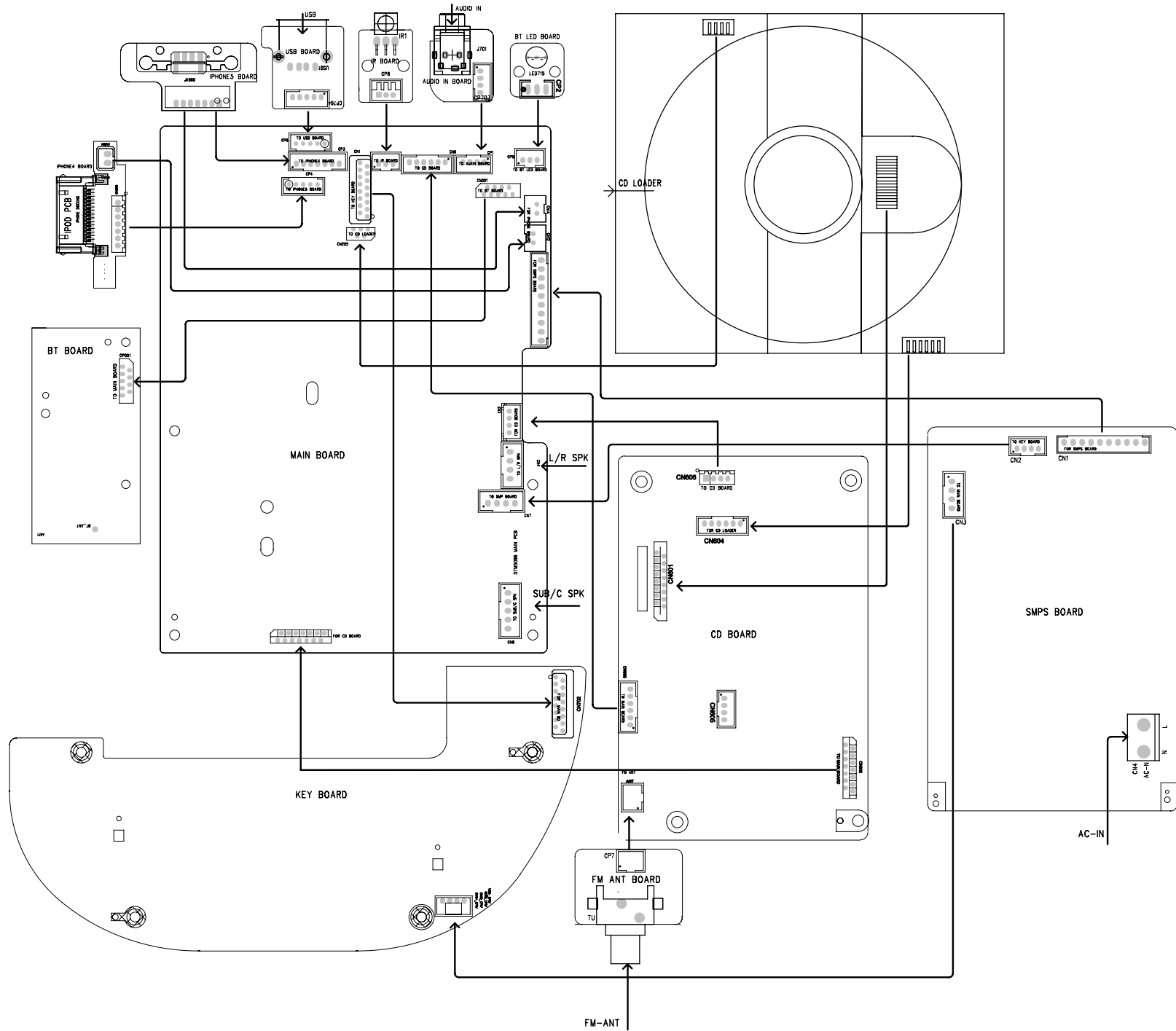
4.Set Block Diagram



Set Block Diagram



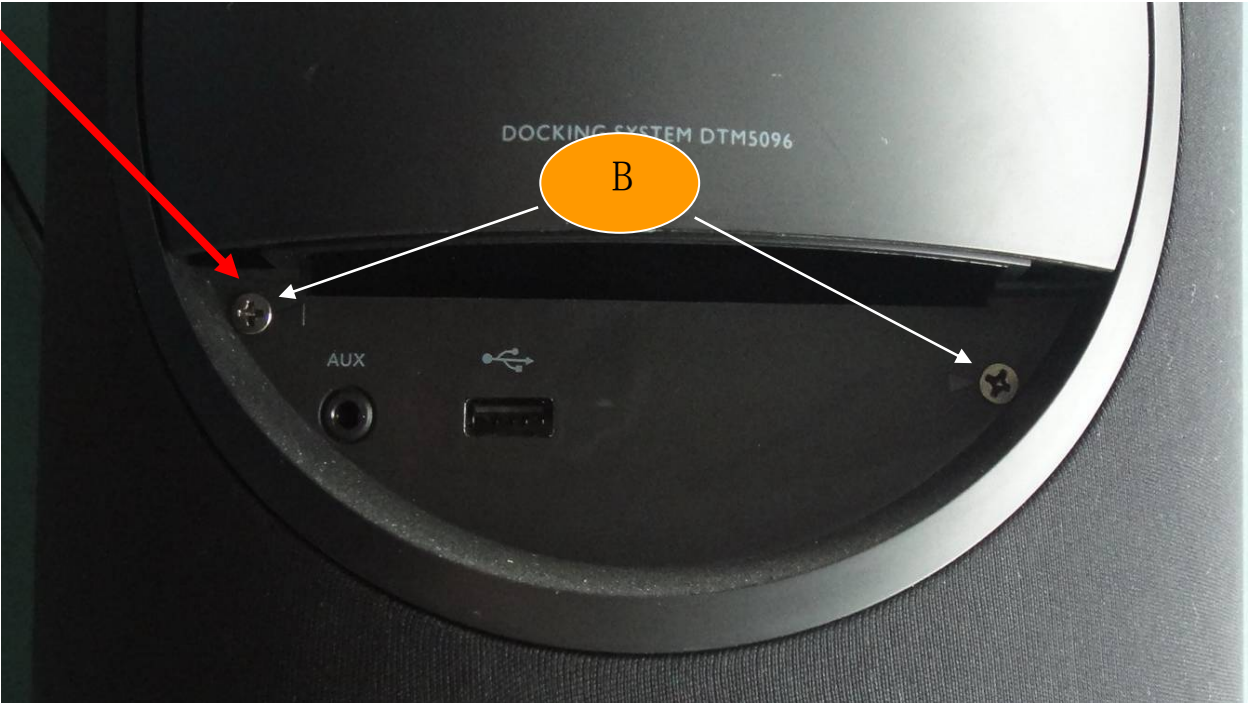
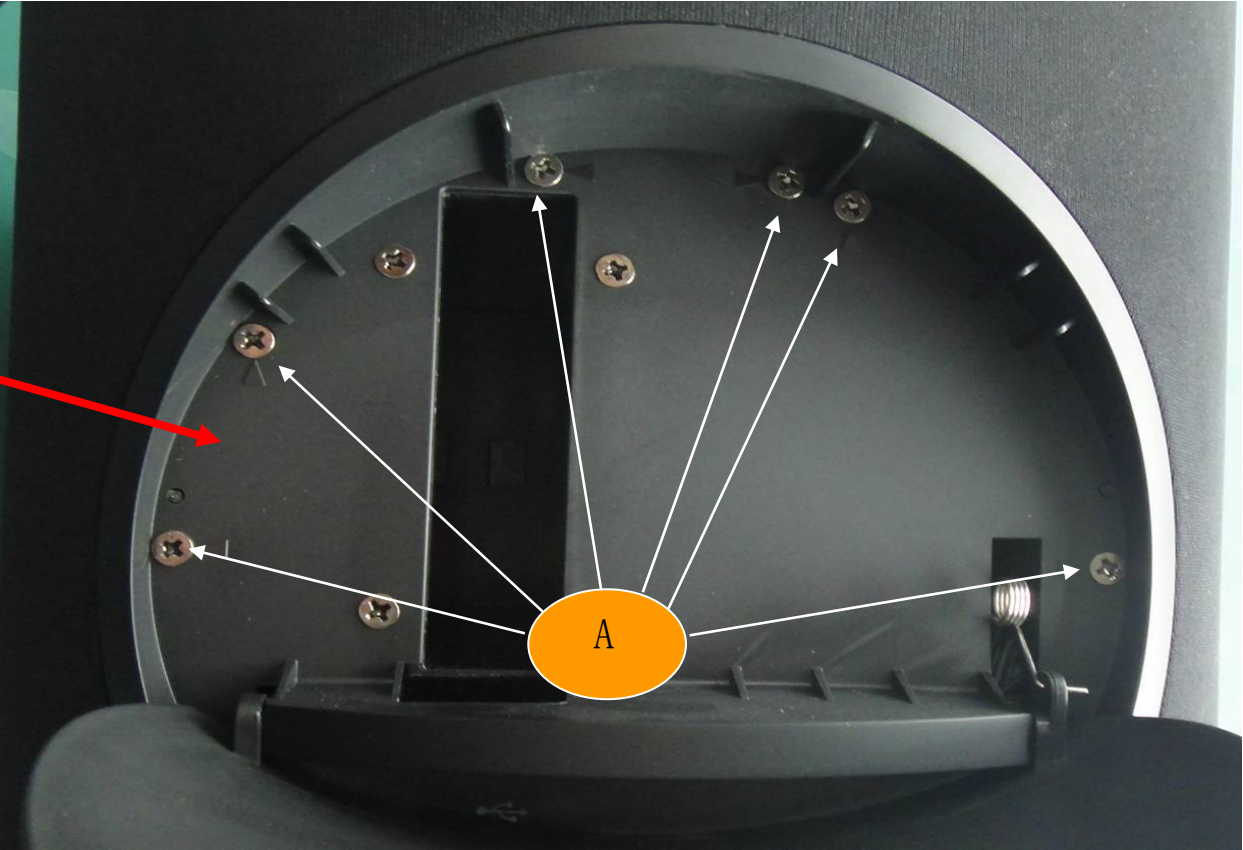
5.Set Wiring Diagram



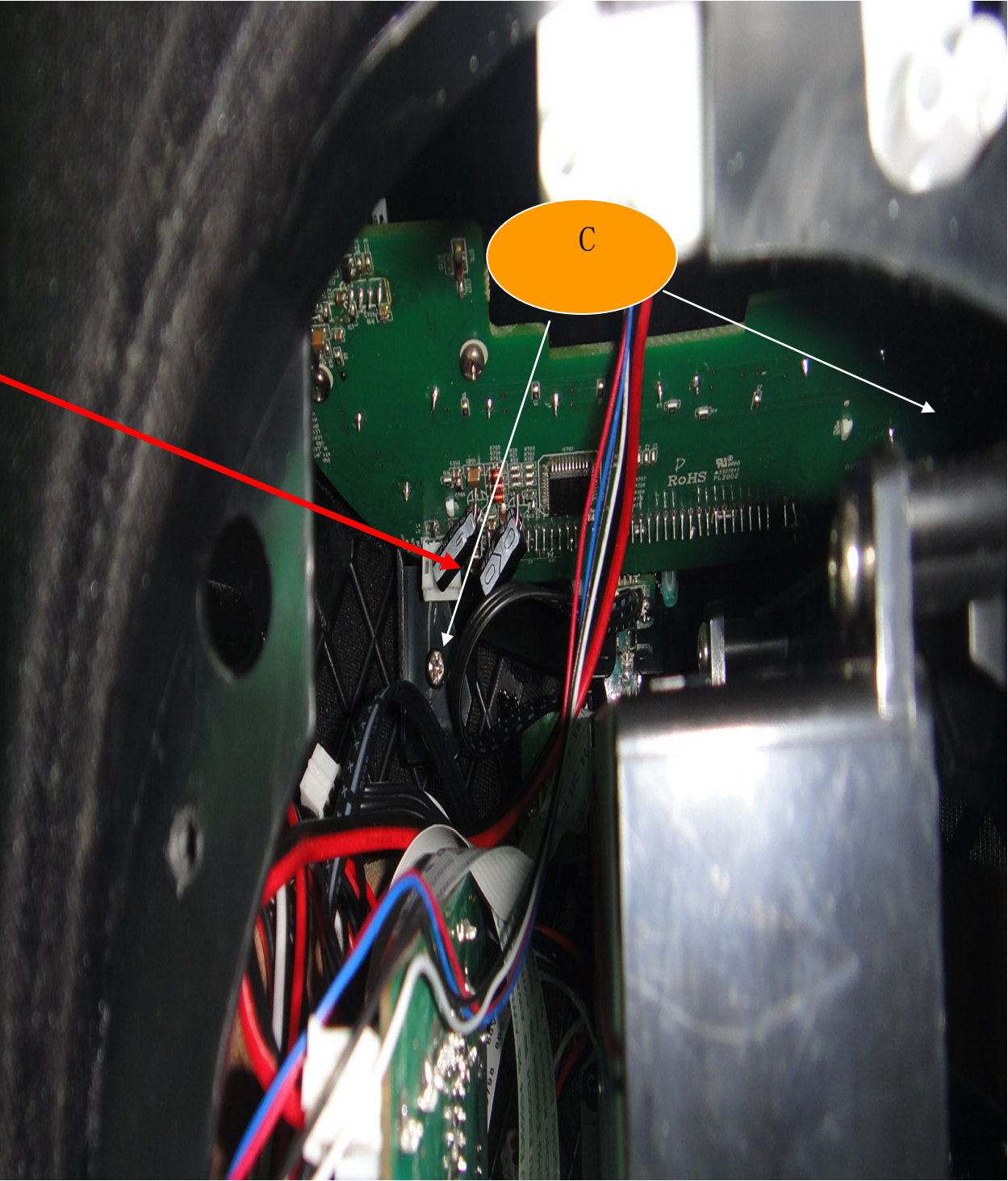
6. DISMANTLING DIAGRAM

1) Dismantling of the top cabinet:

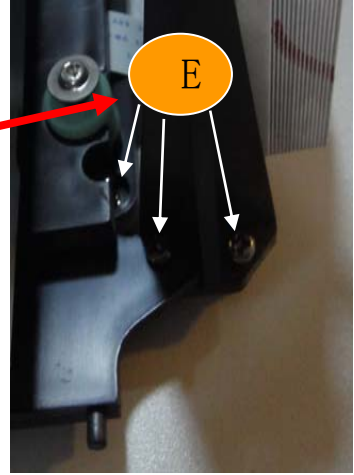
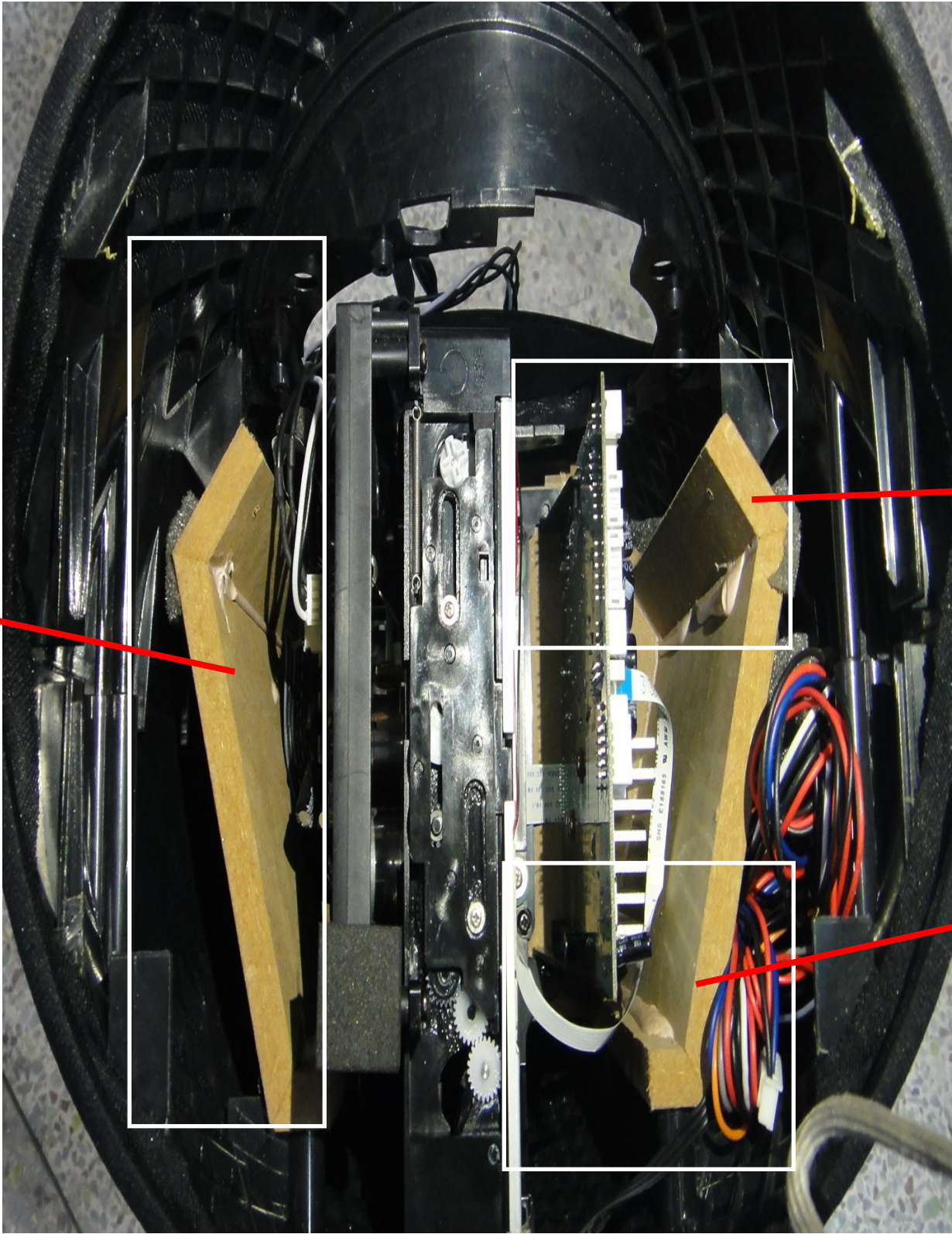
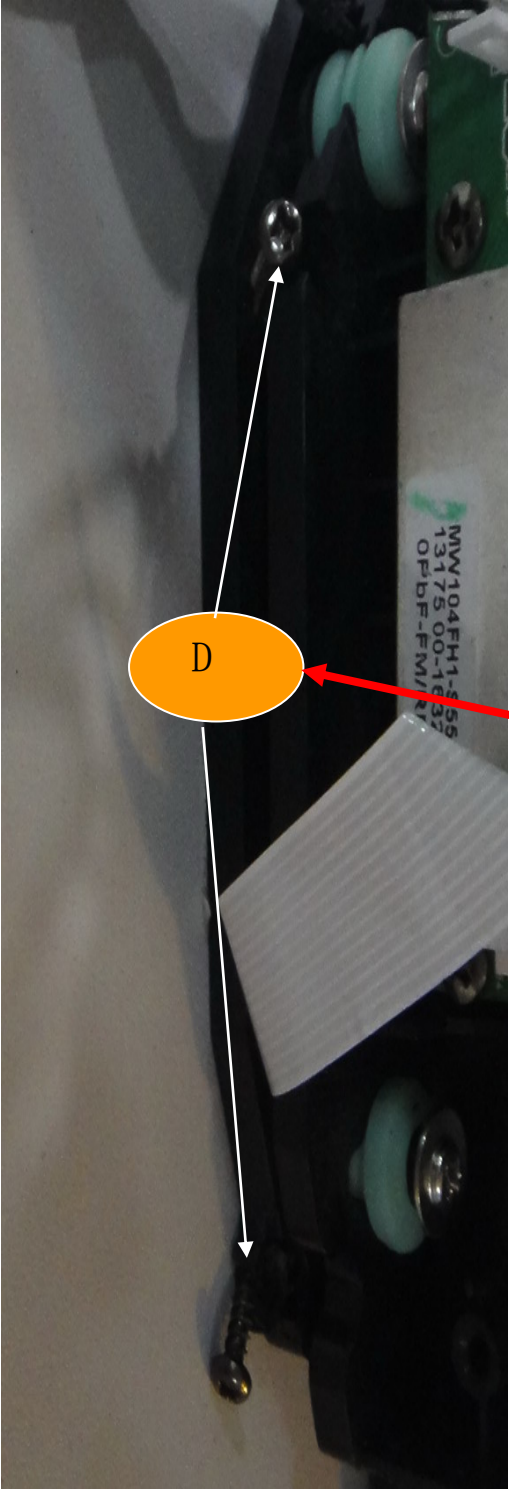
a. Remove 8 screws A&B as indicated to loosen the back cabinet



b. Remove 2 screws C as indicated to loosen the top cabinet

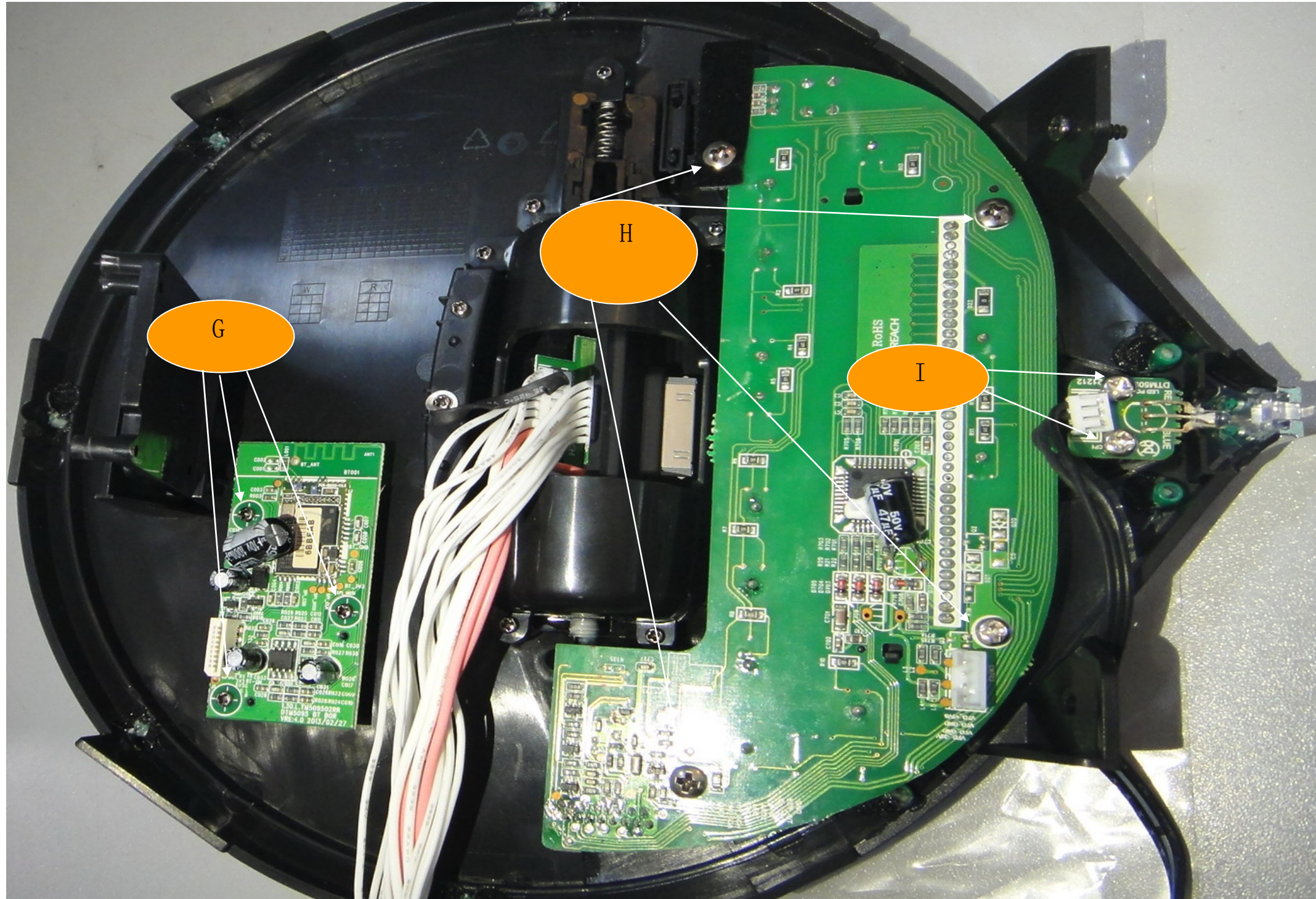


c. Remove 8 screws D, E&F as indicated to loosen the top cabinet

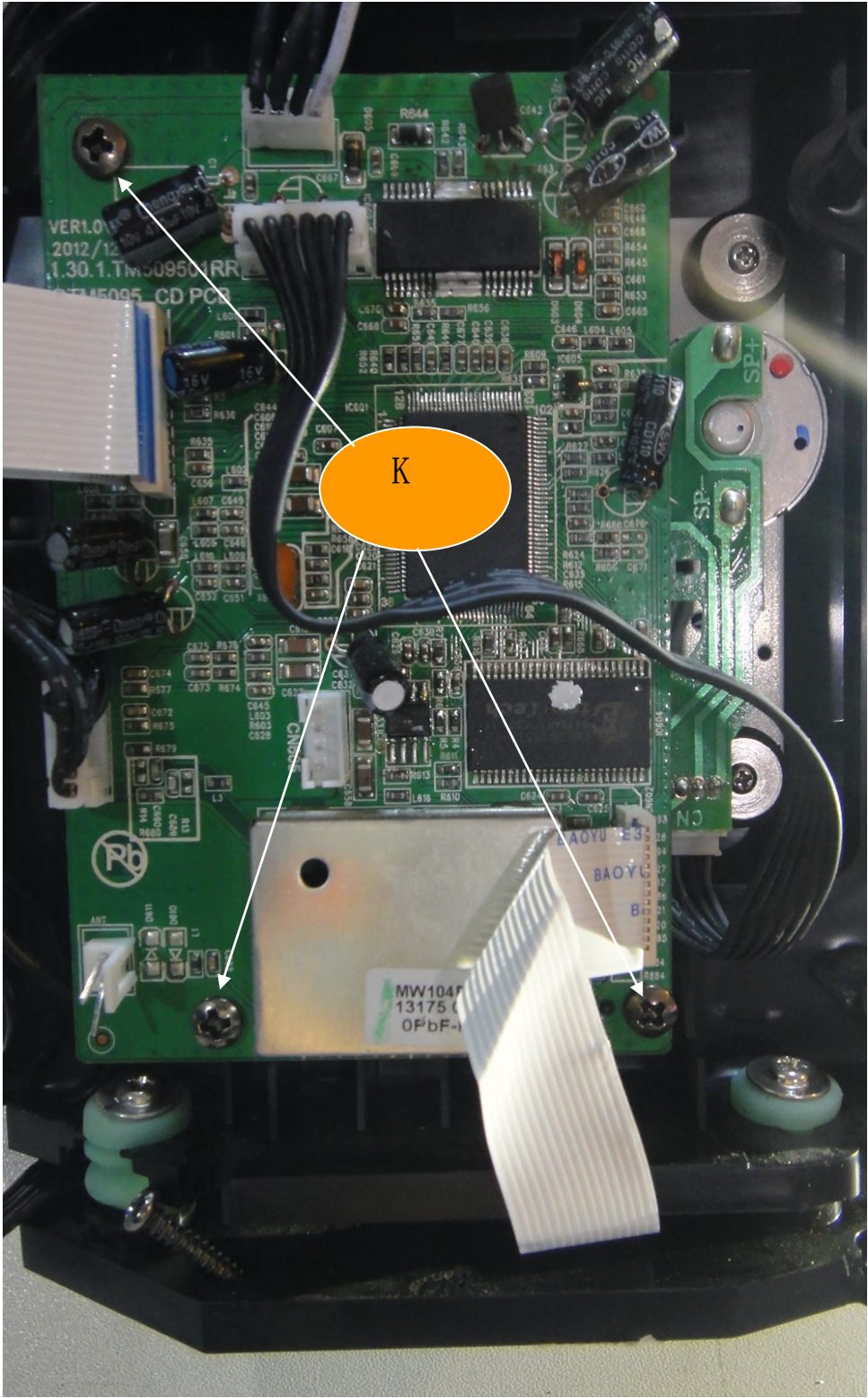
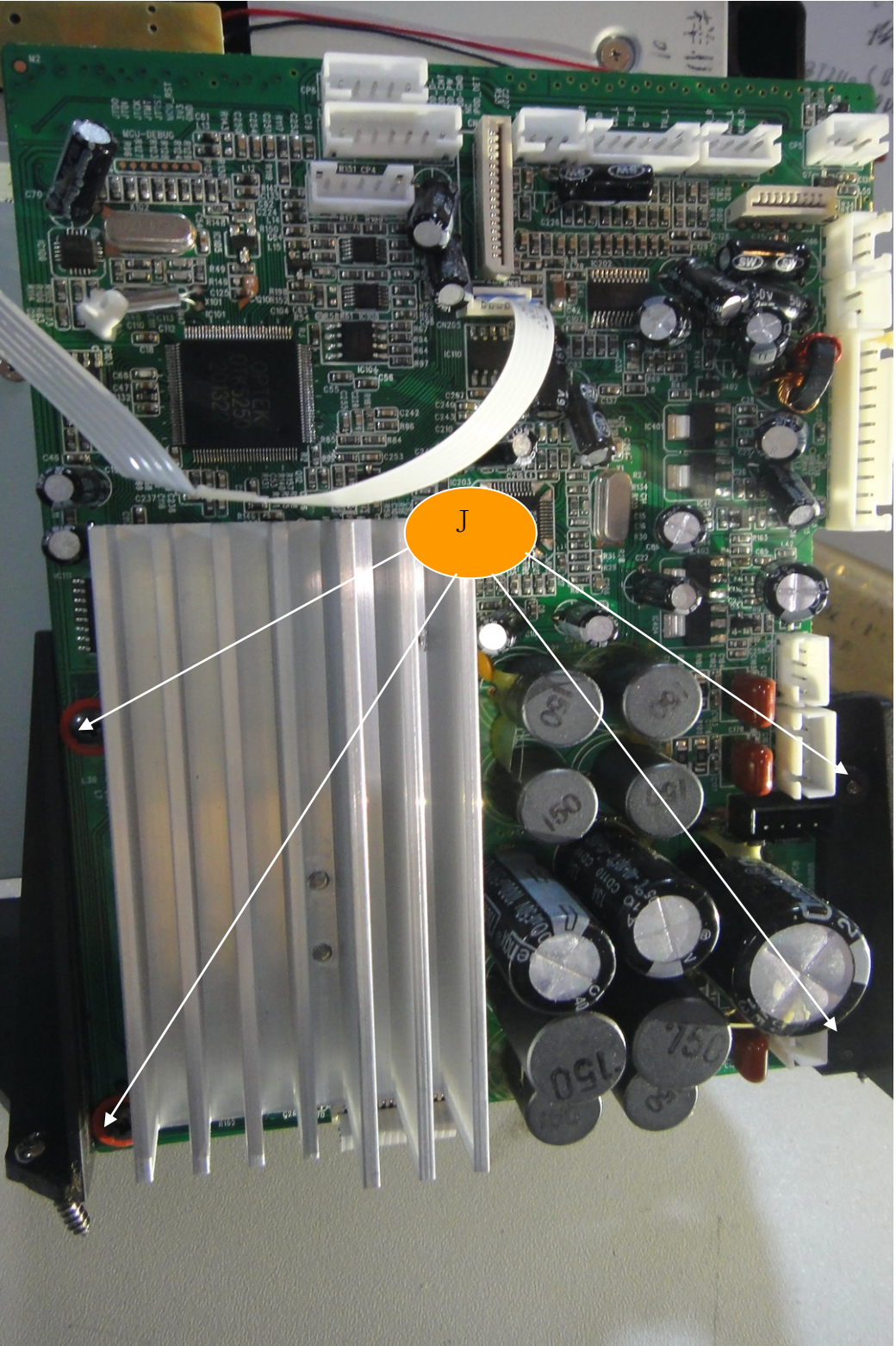


2) Dismantling the PCB board of the top :

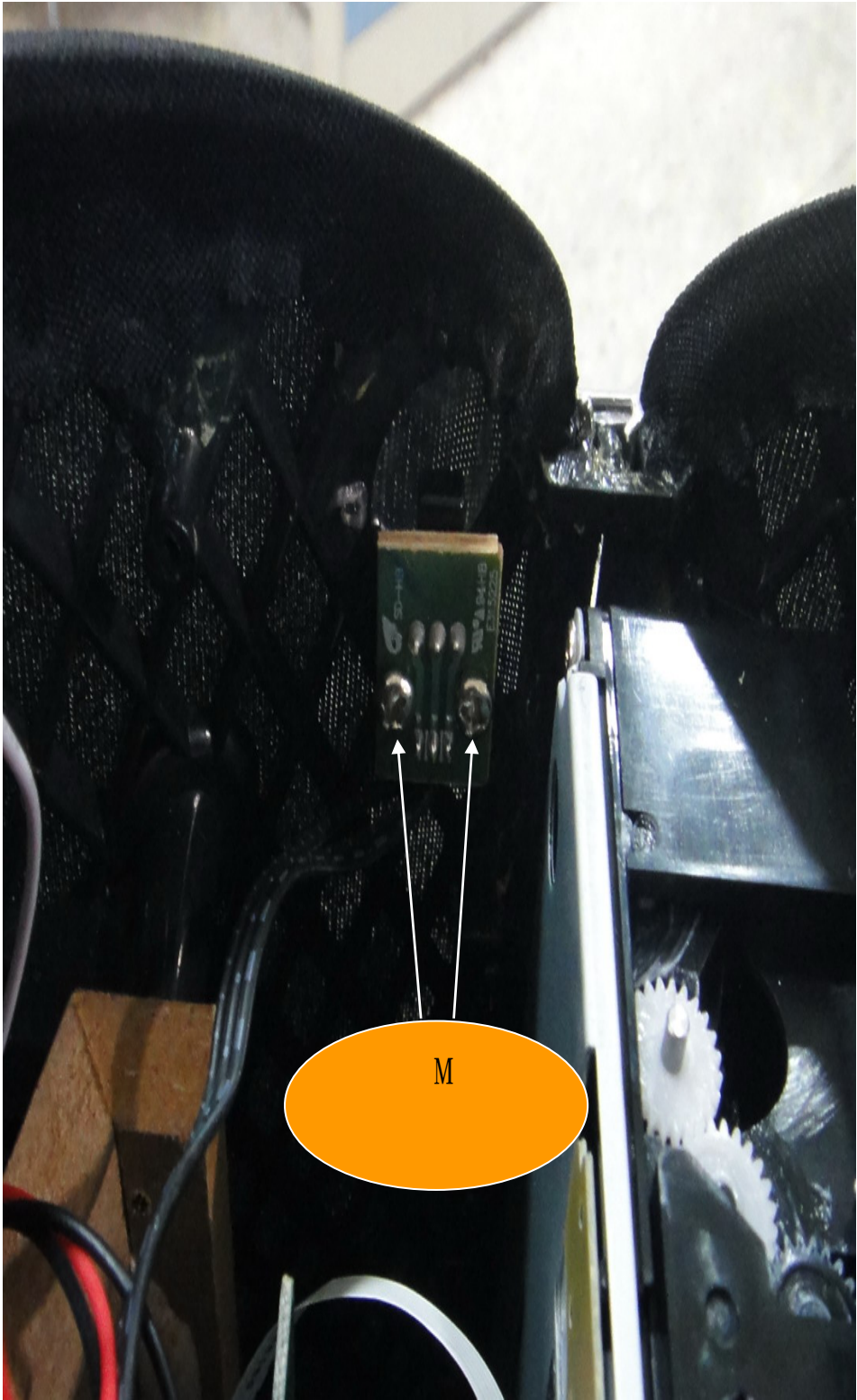
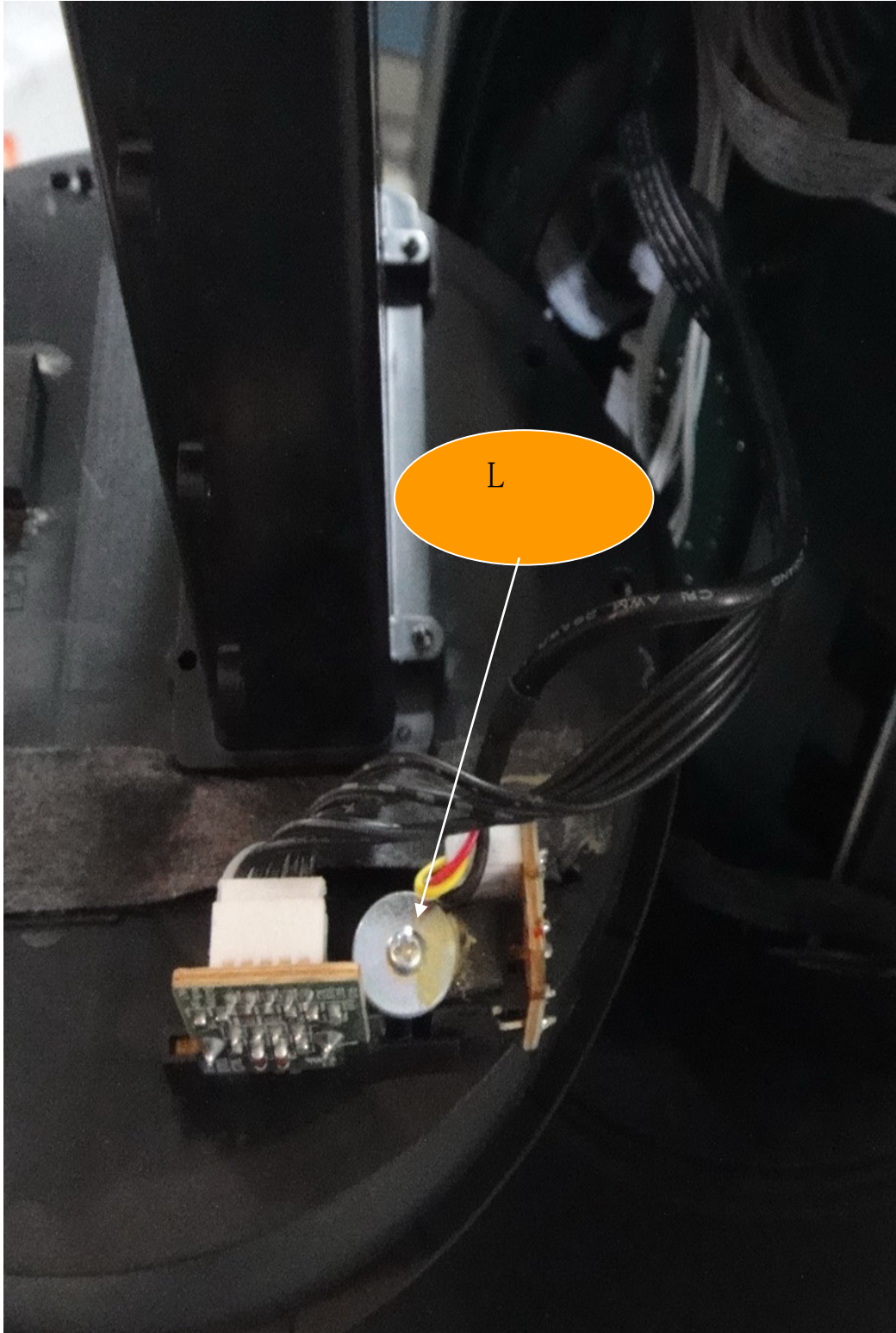
- a: Remove 3 screws G as indicated to loosen the BT board
- b: Remove 4 screws H as indicated to loosen the Key board
- c: Remove 2 screws I as indicated to loosen the BT-LED board



d: Remove 4 screws J as indicated to loosen the Main board
e: Remove 3 screws K as indicated to loosen the CD board

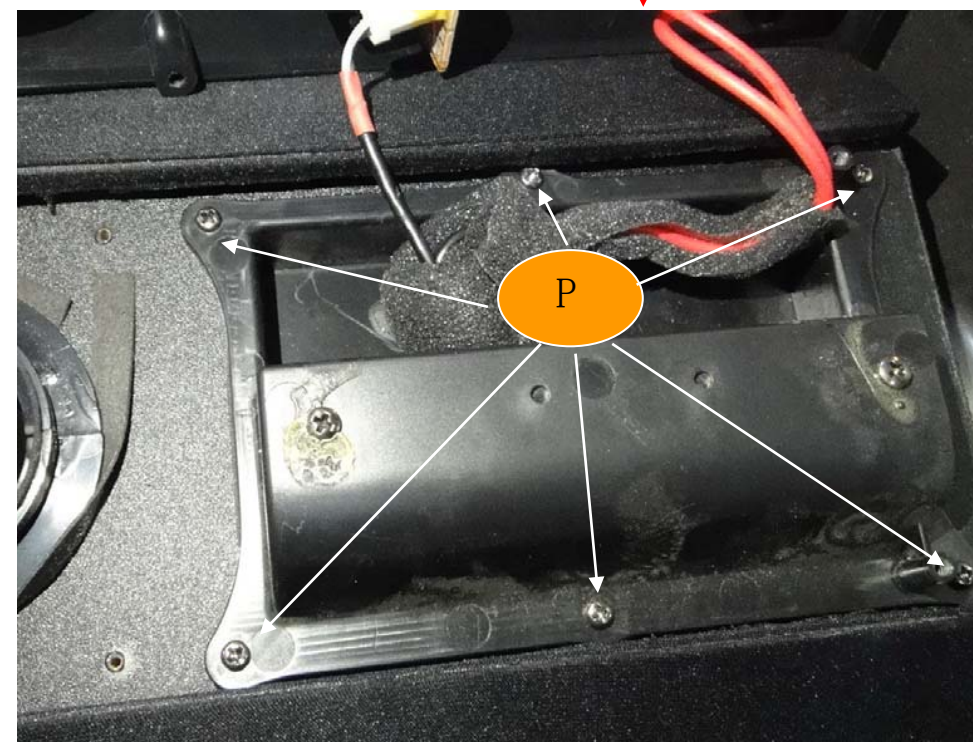


f: Remove 1 screws L as indicated to loosen the USB&AUDIO IN board
g: Remove 2 screws M as indicated to loosen the IR board



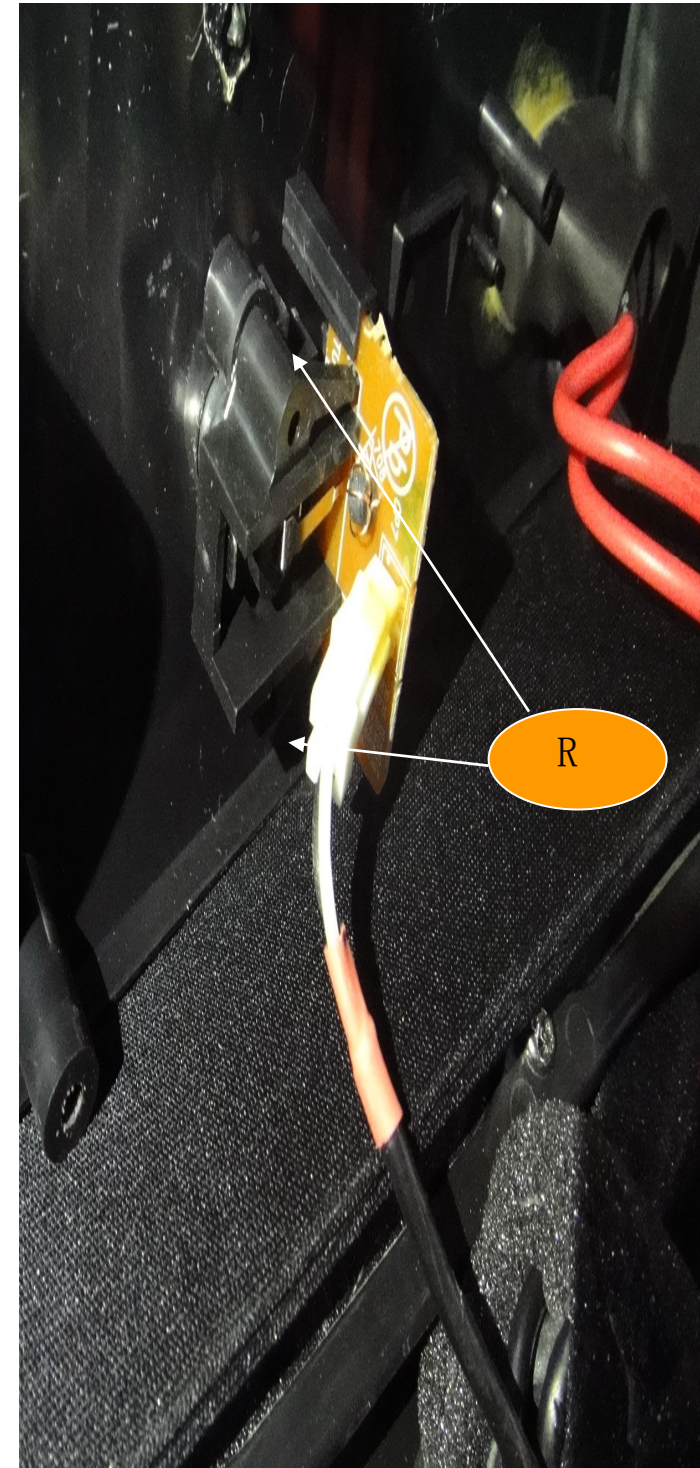
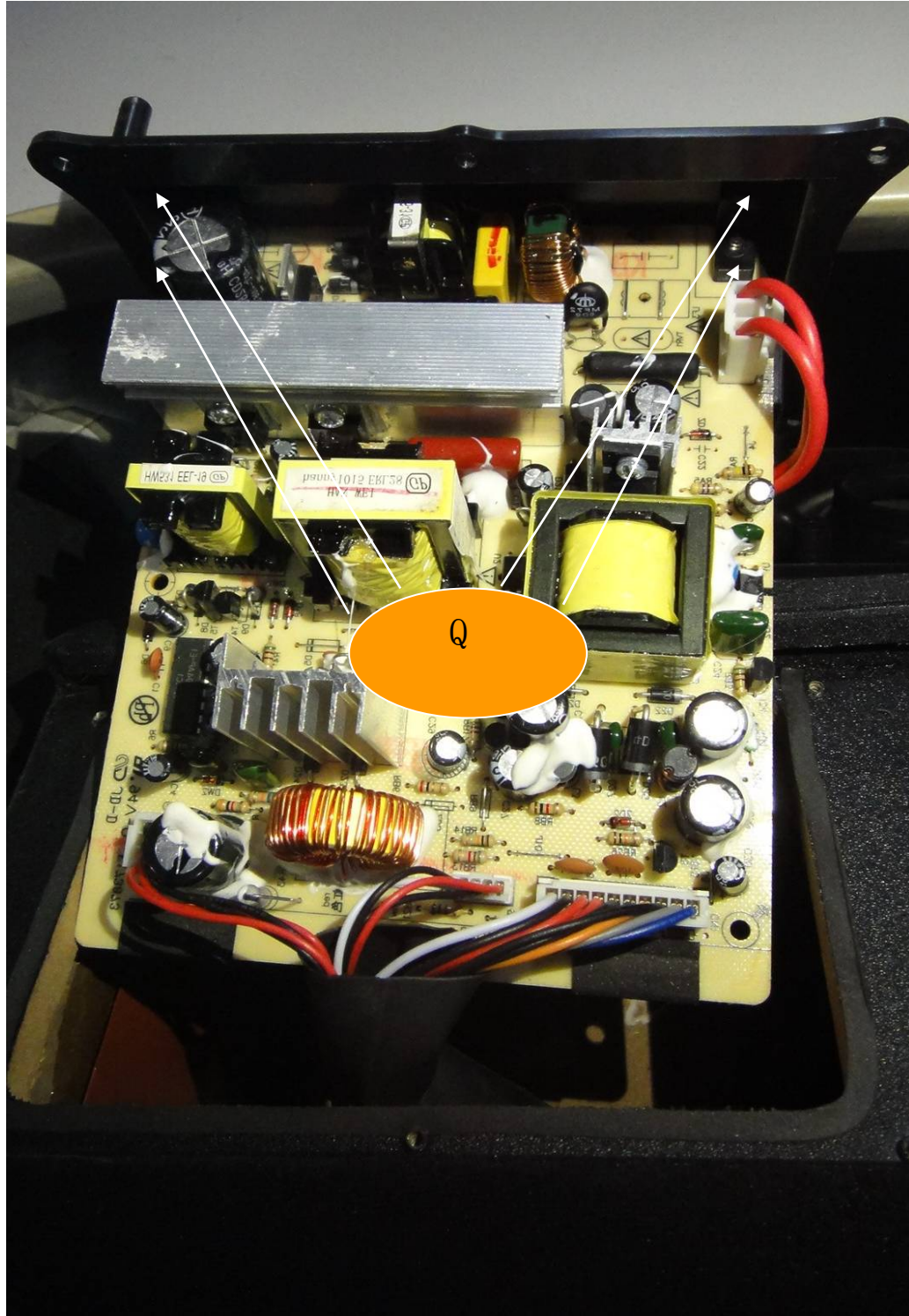
3) Dismantling of the bottom cabinet:

1. Remove 10 screws O&P as indicated to loosen the back cabinet

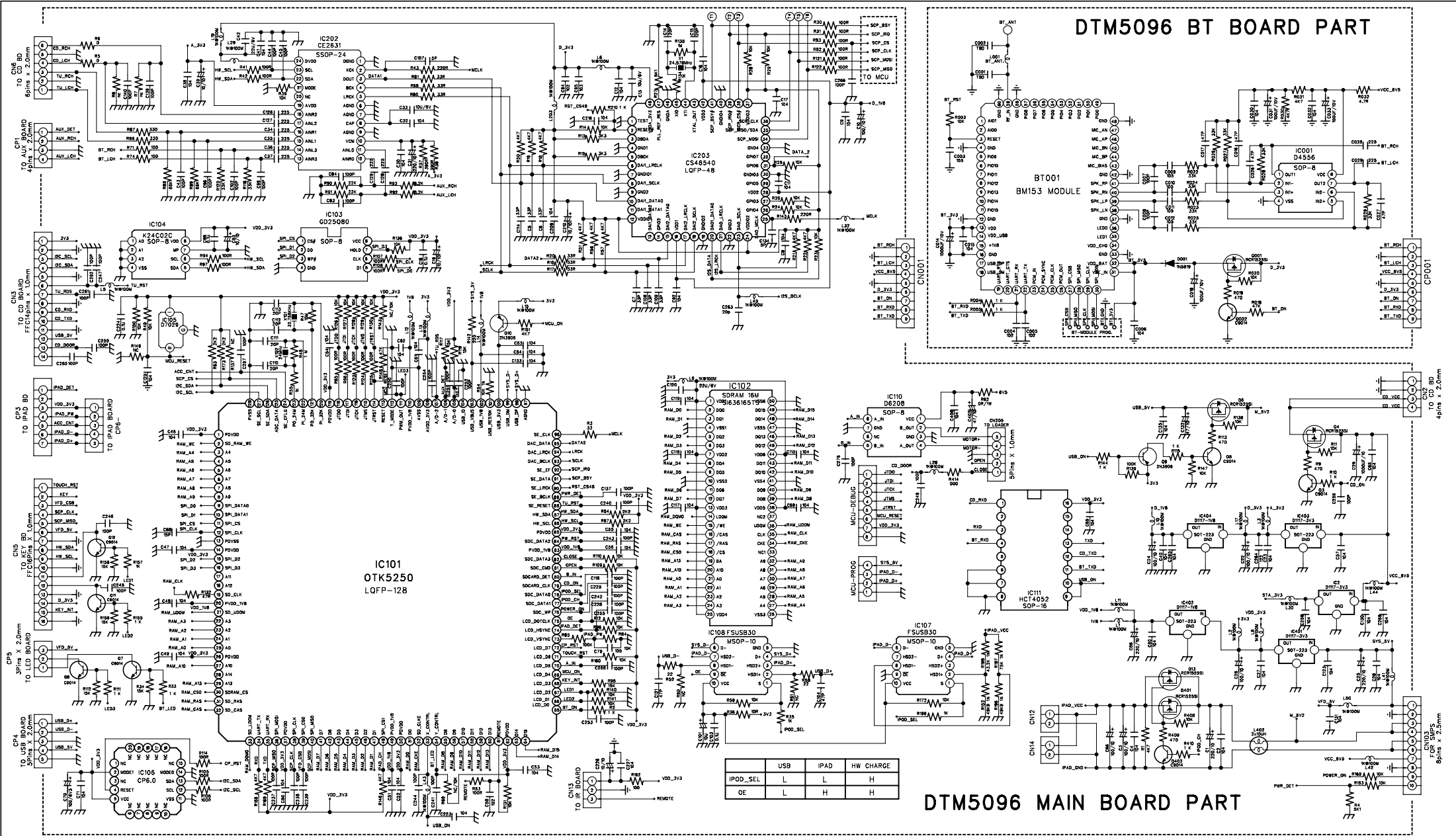


2) Dismantling the PCB board of the Bottom :

- a: Remove 4 screws Q as indicated to loosen the SMPS board
- b: Remove 2 screws R as indicated to loosen the FM-ANT board



7-1.Main Board Circuit Diagram



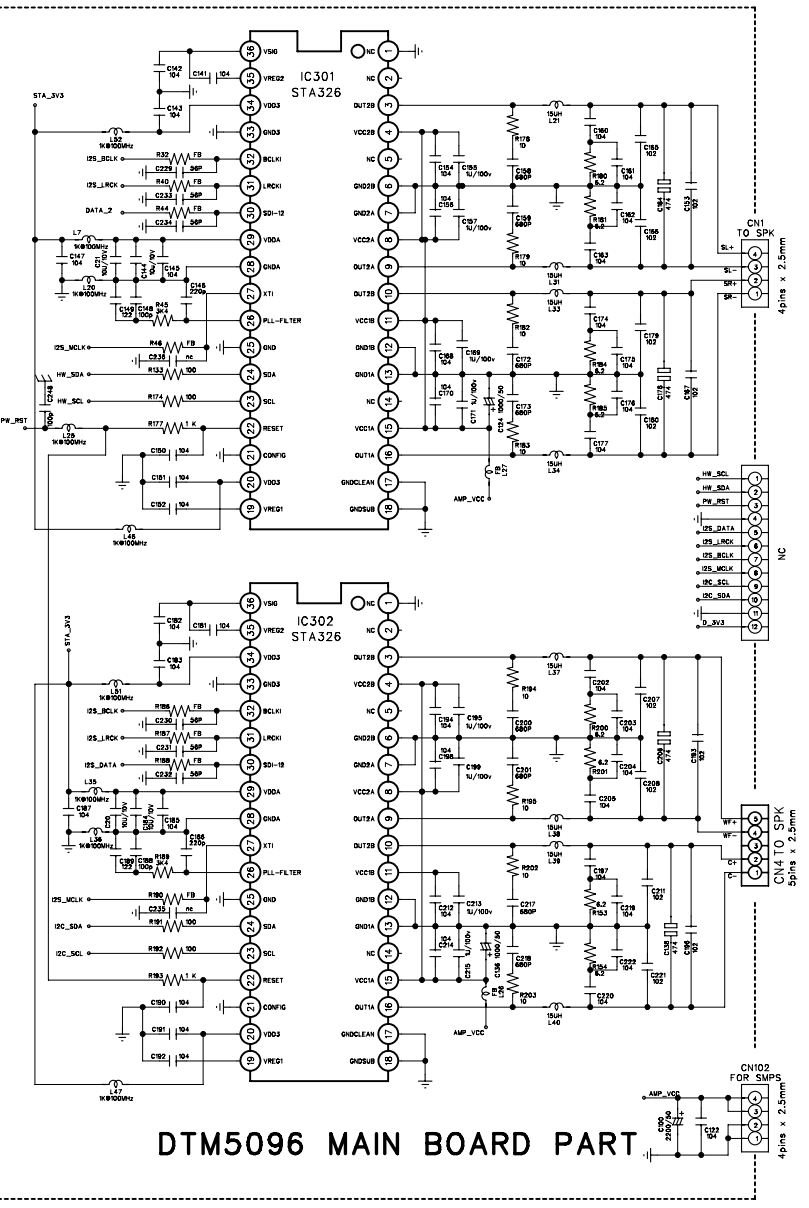
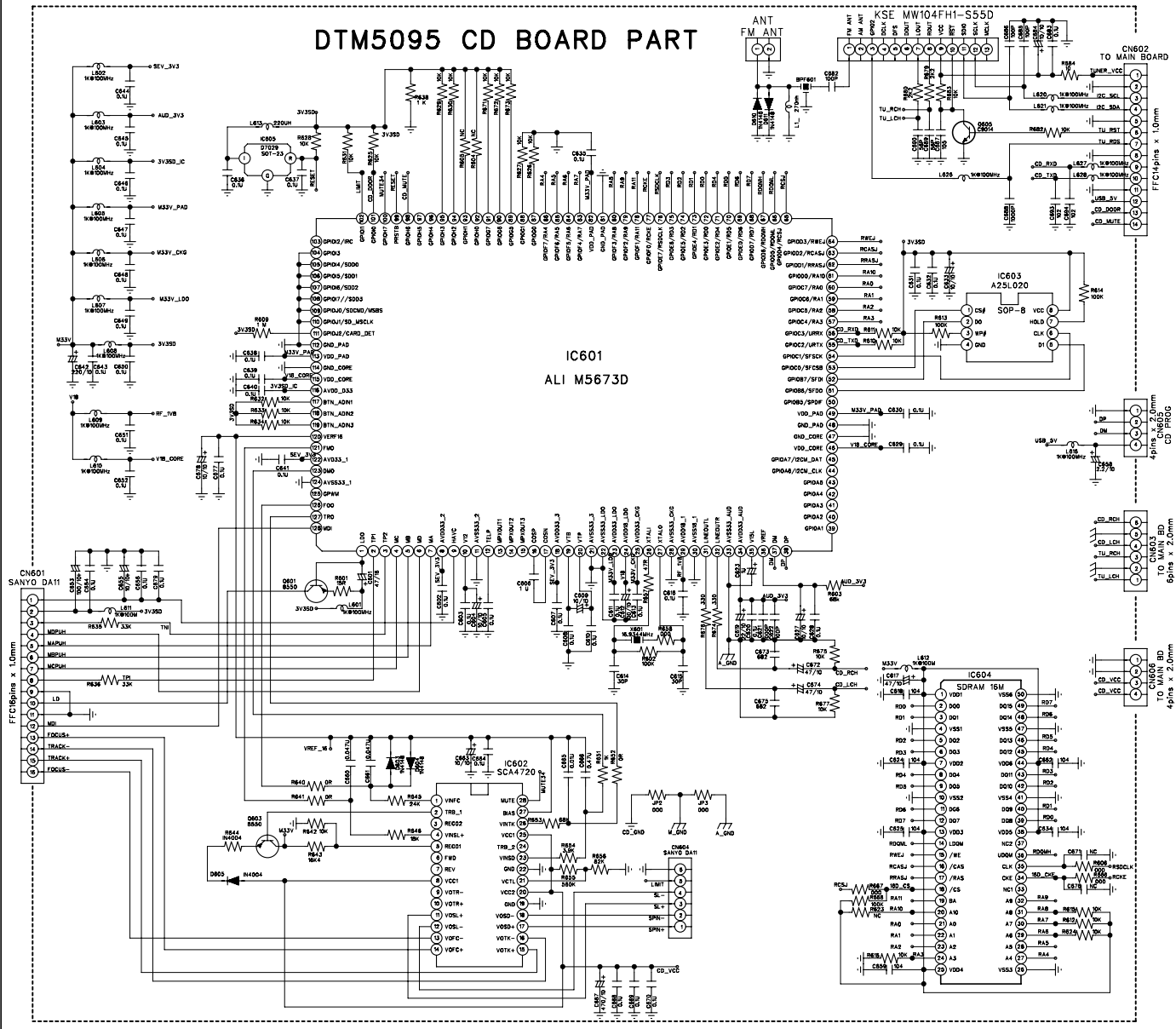
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	SCALE	UNIT	DRAWN:	AO	MODEL: DTM5096
	N / S	CHECKED:			
	APPROVED:				REV: A
					2 0 1 3 0 3 1 8

DTM5096 MAIN BOARD PART

DTM5096 BT BOARD PART

DTM5095 CD BOARD PART

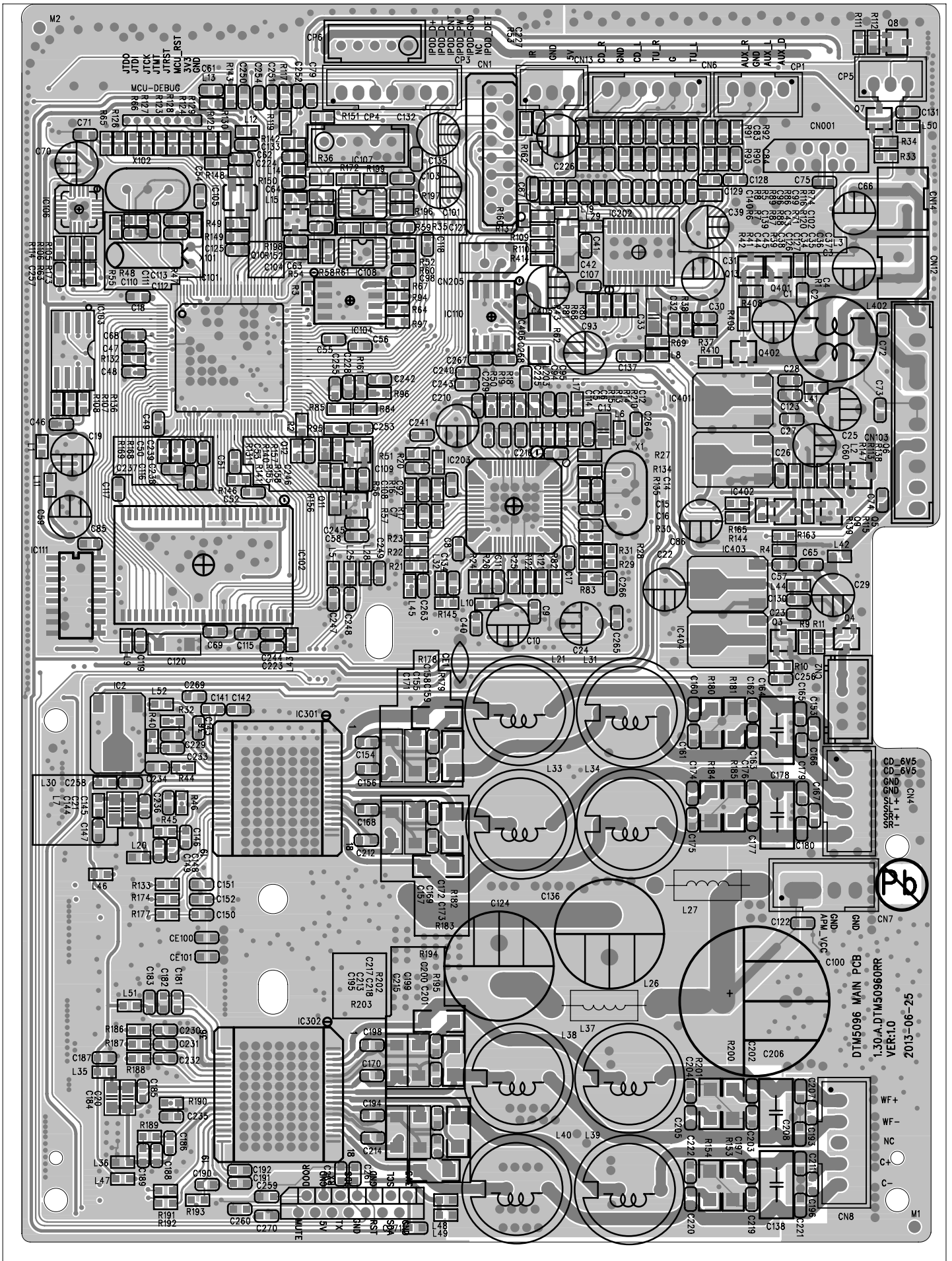


DTM5096 MAIN BOARD PART

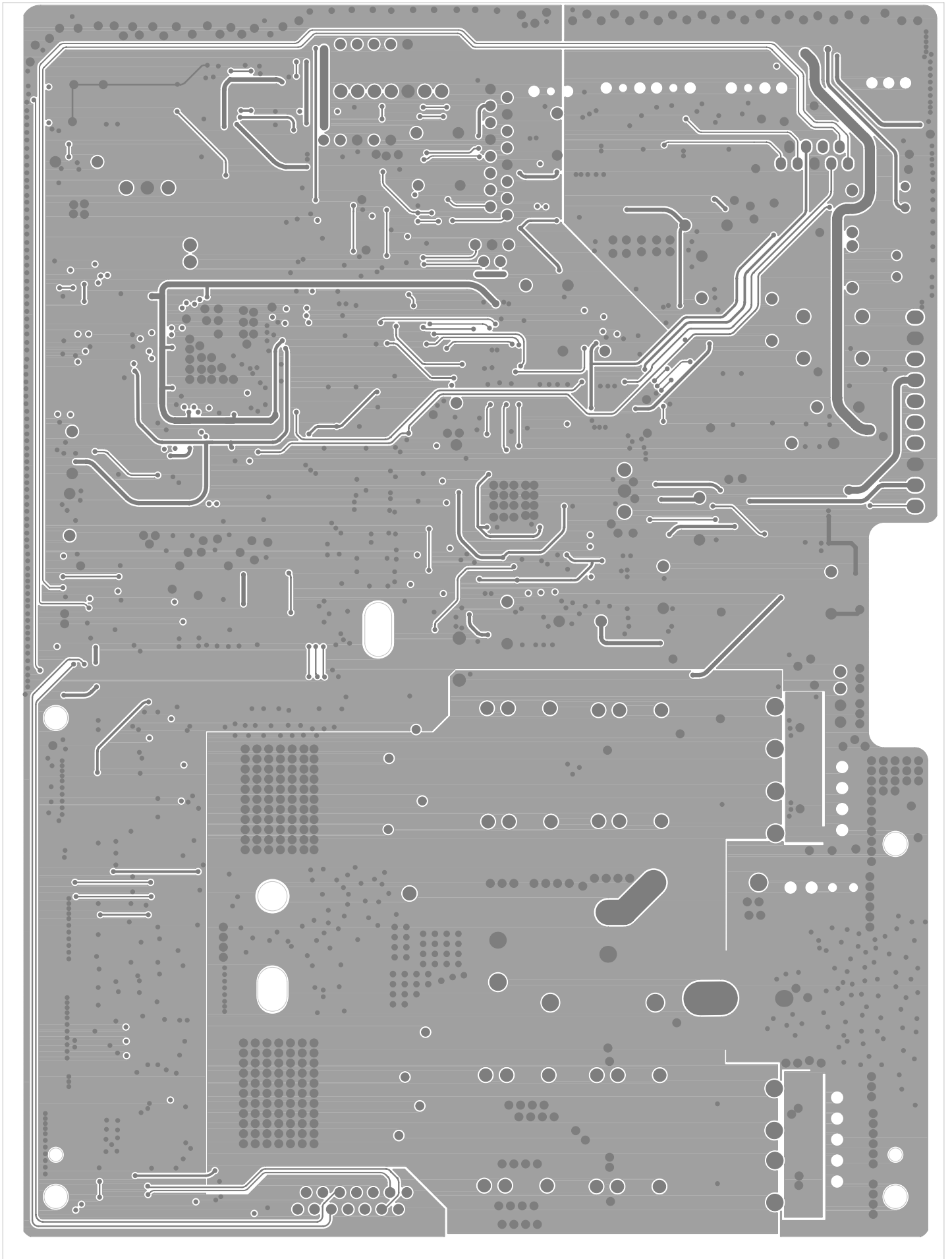
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	SCALE	UNIT	DRAWN: AO	MODEL: DTM5096							
	N / S		CHECKED:	CD SCH		REV: A					
	APPROVED:			2	0	1	3	0	3	1	8
	2013-03-18										

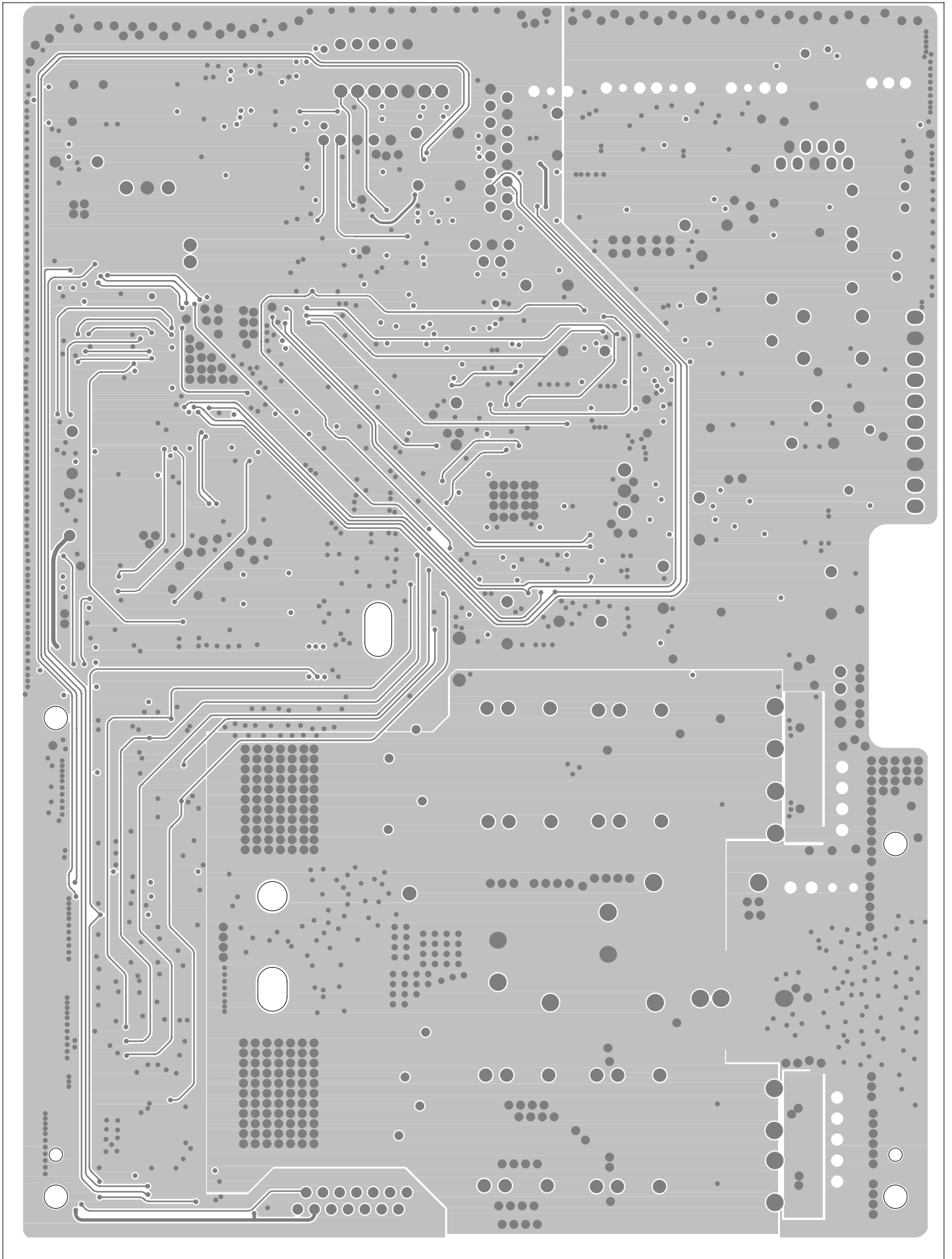
7-2.Main Board Layout Diagram



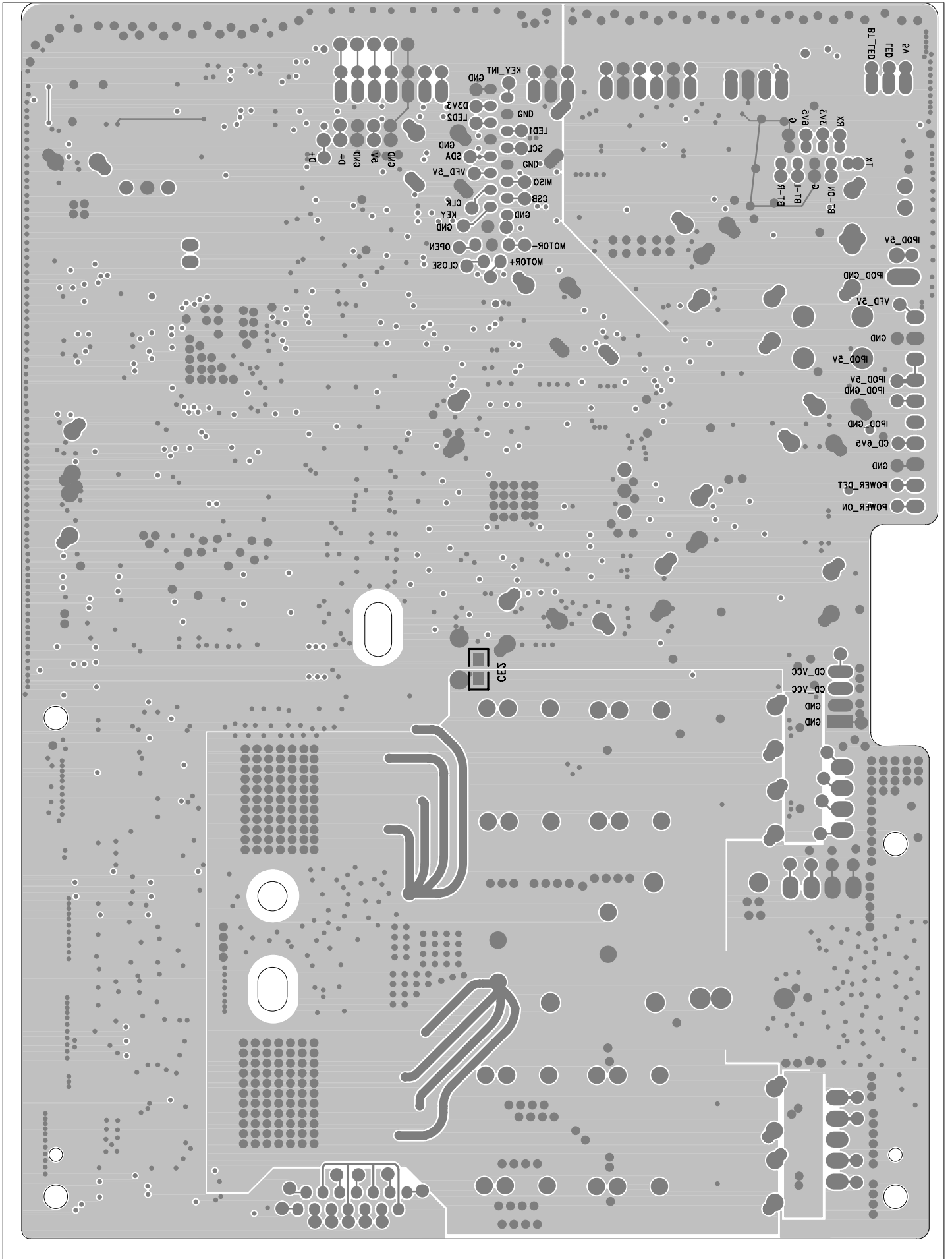
Main Board Layout Diagram



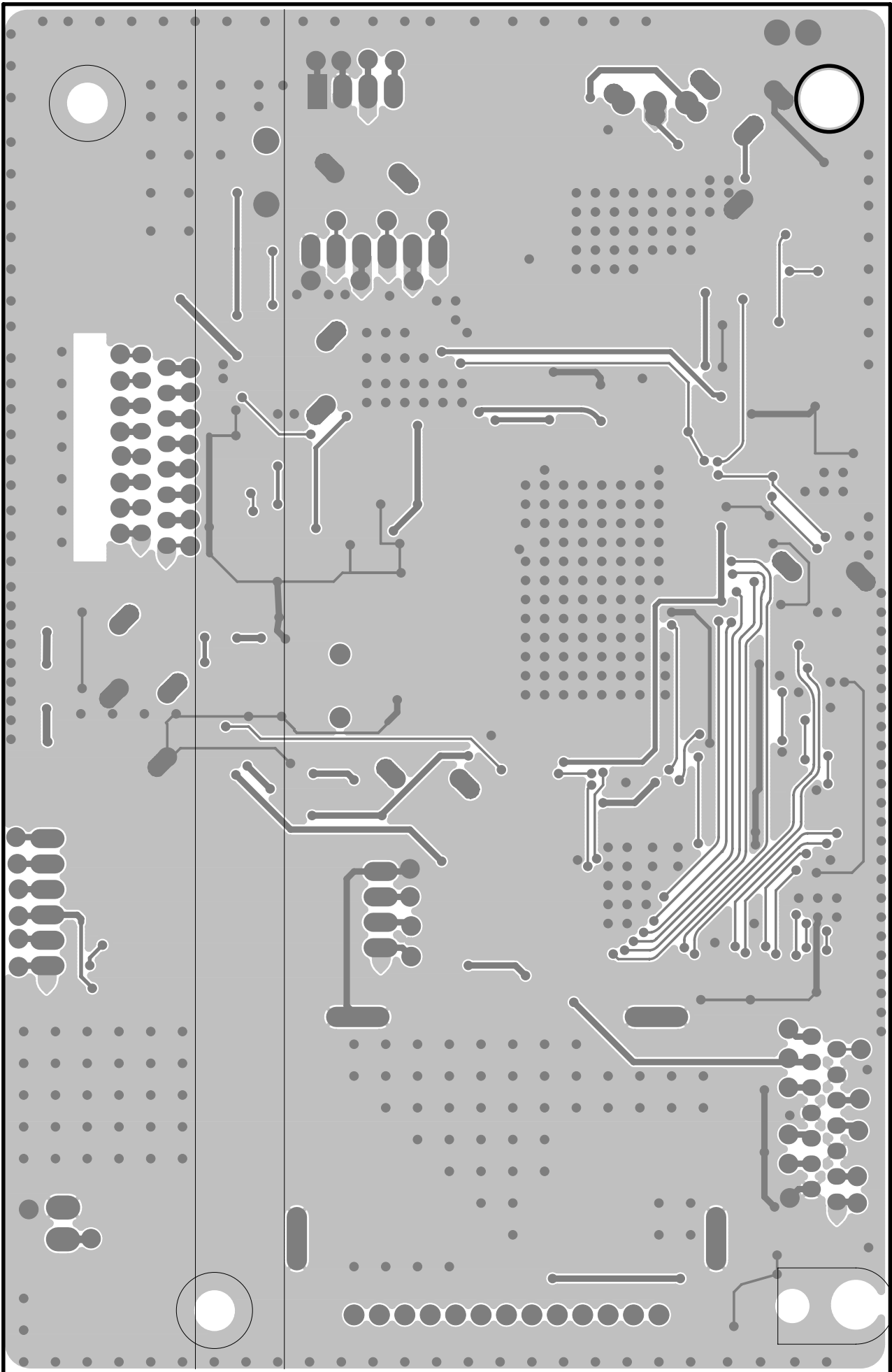
Main Board Layout Diagram

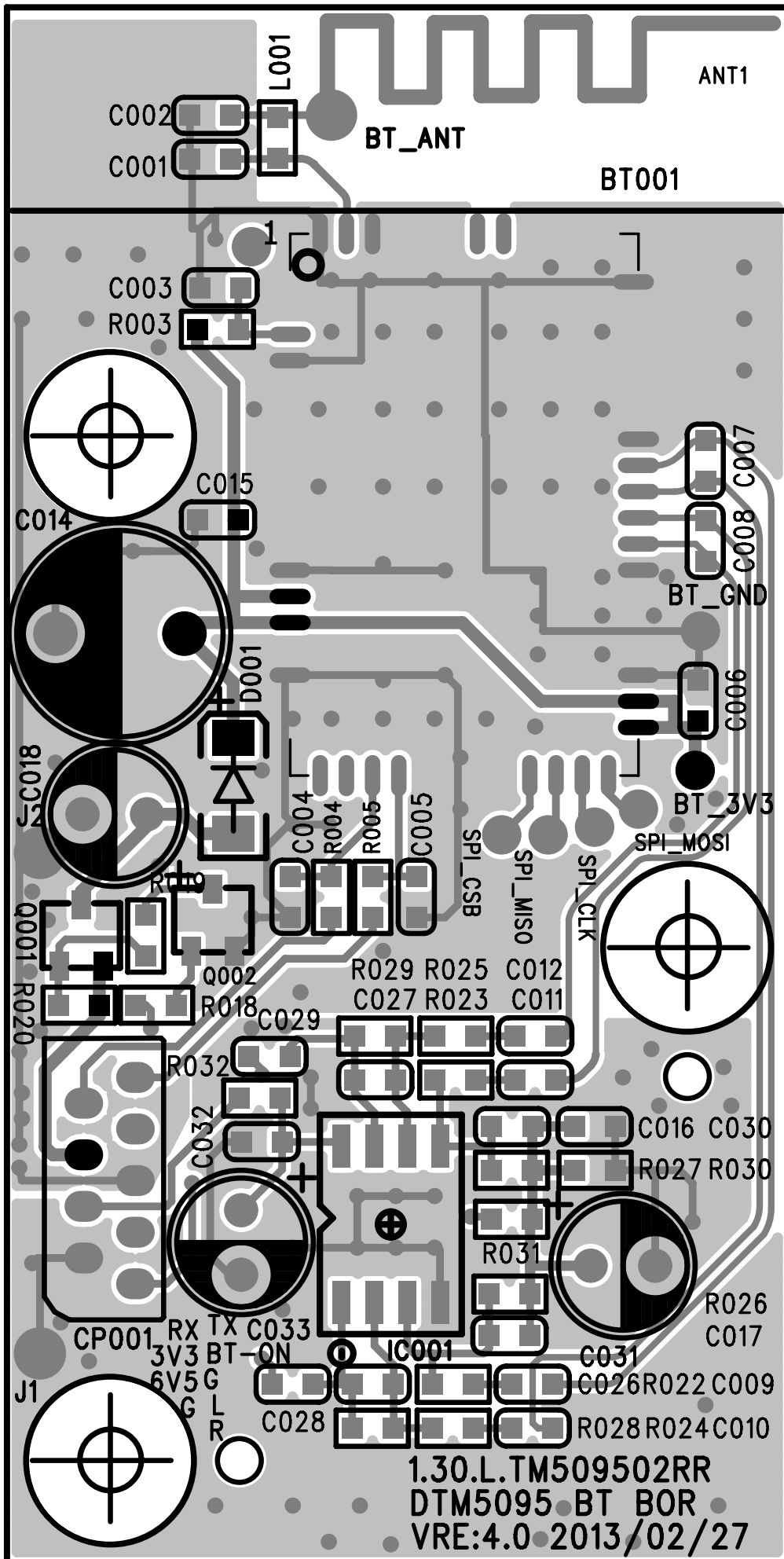


Main Board Layout Diagram

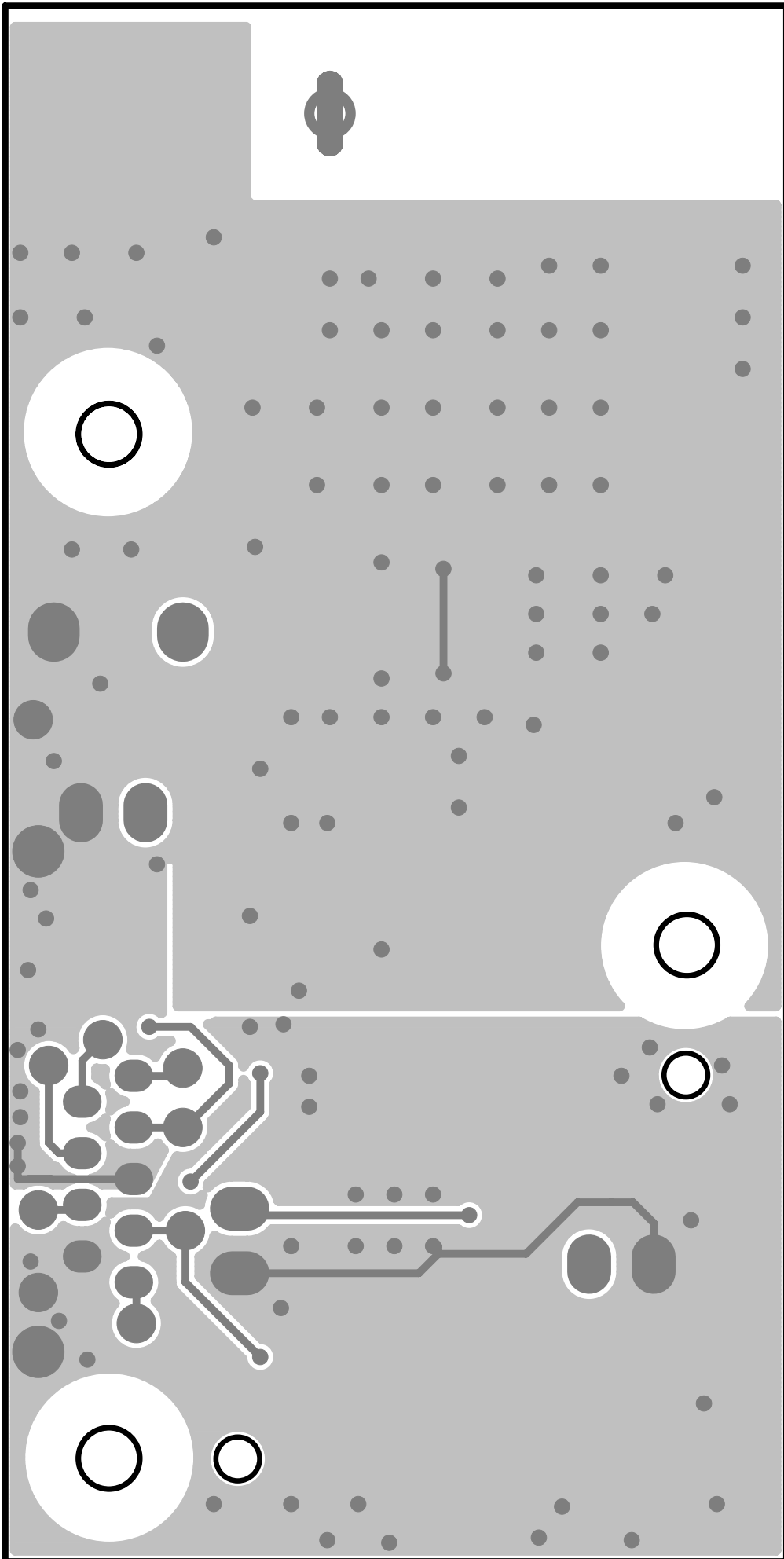


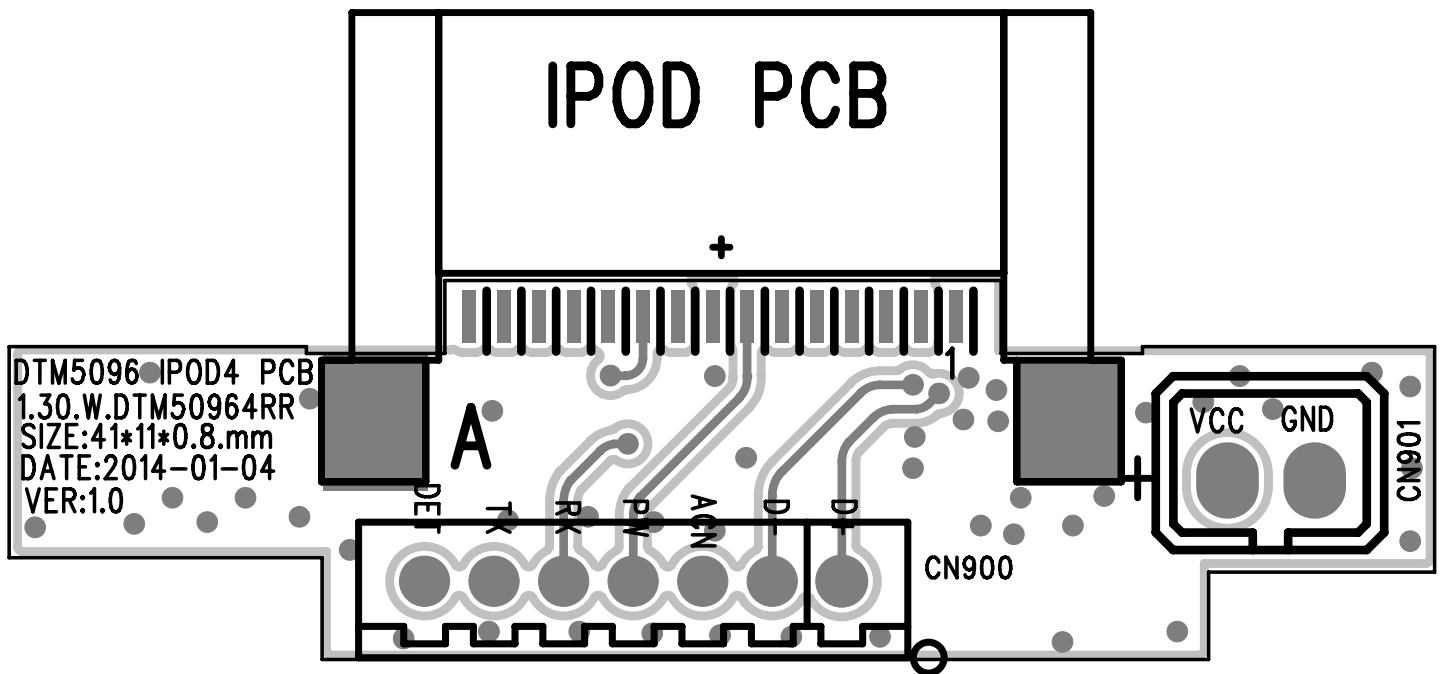
Main Board Layout Diagram

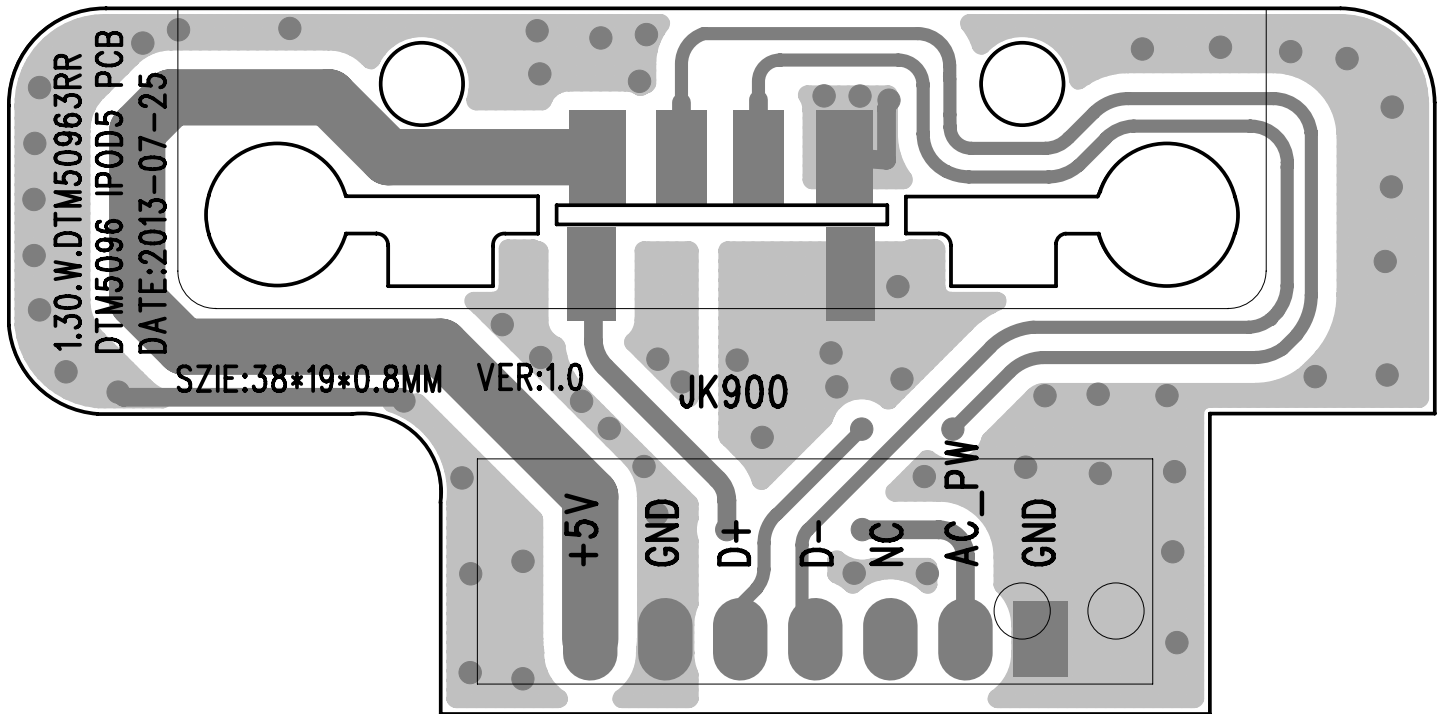




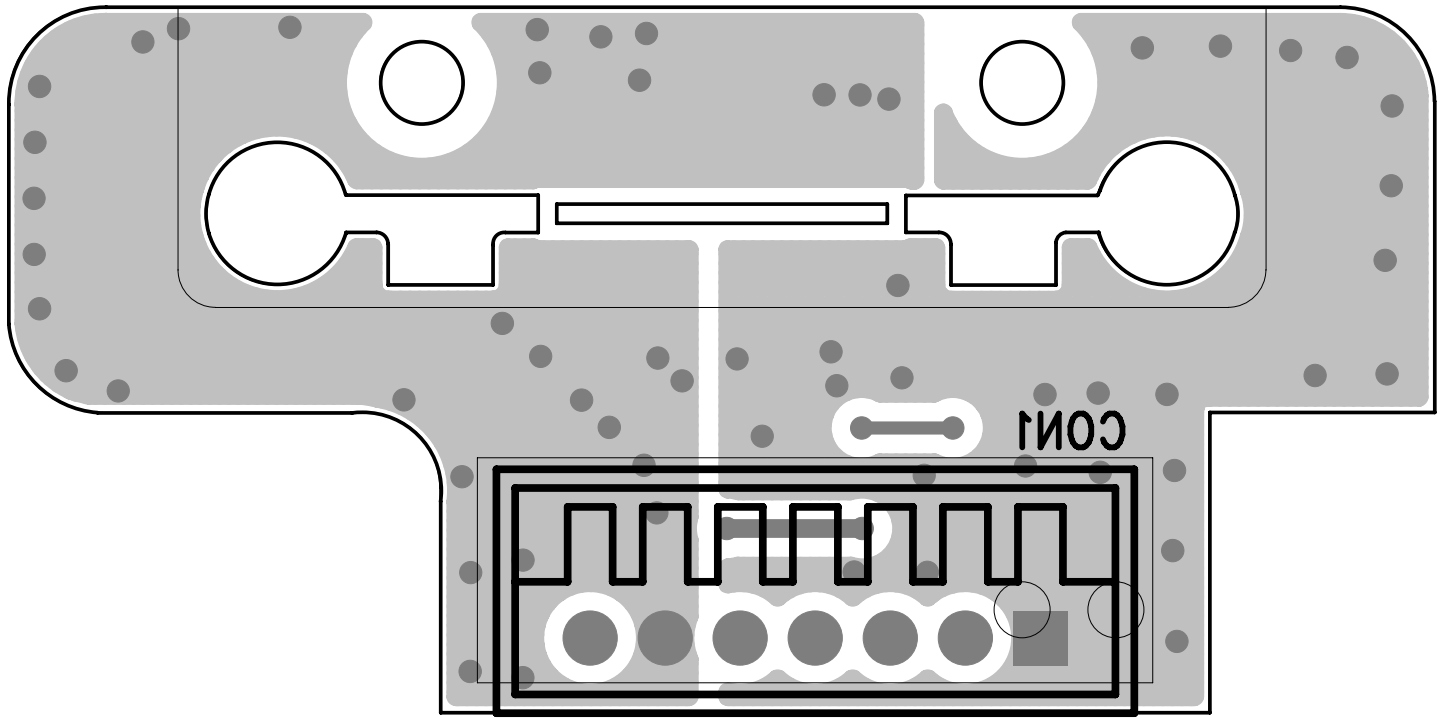
BT Board Layout Diagram



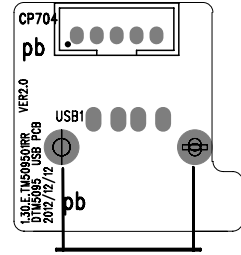
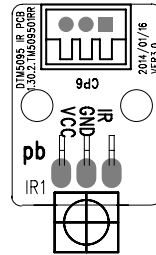
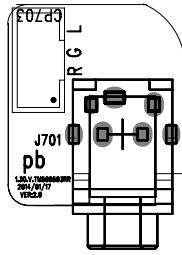
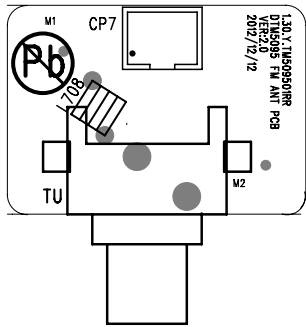




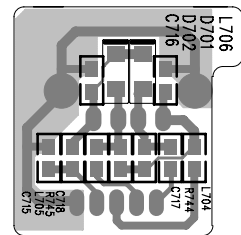
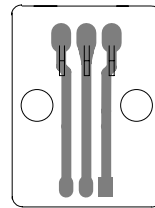
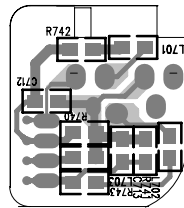
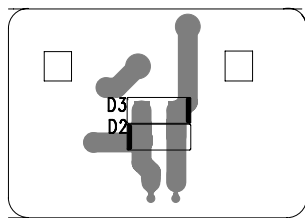
iPhone5 Board Layout Diagram



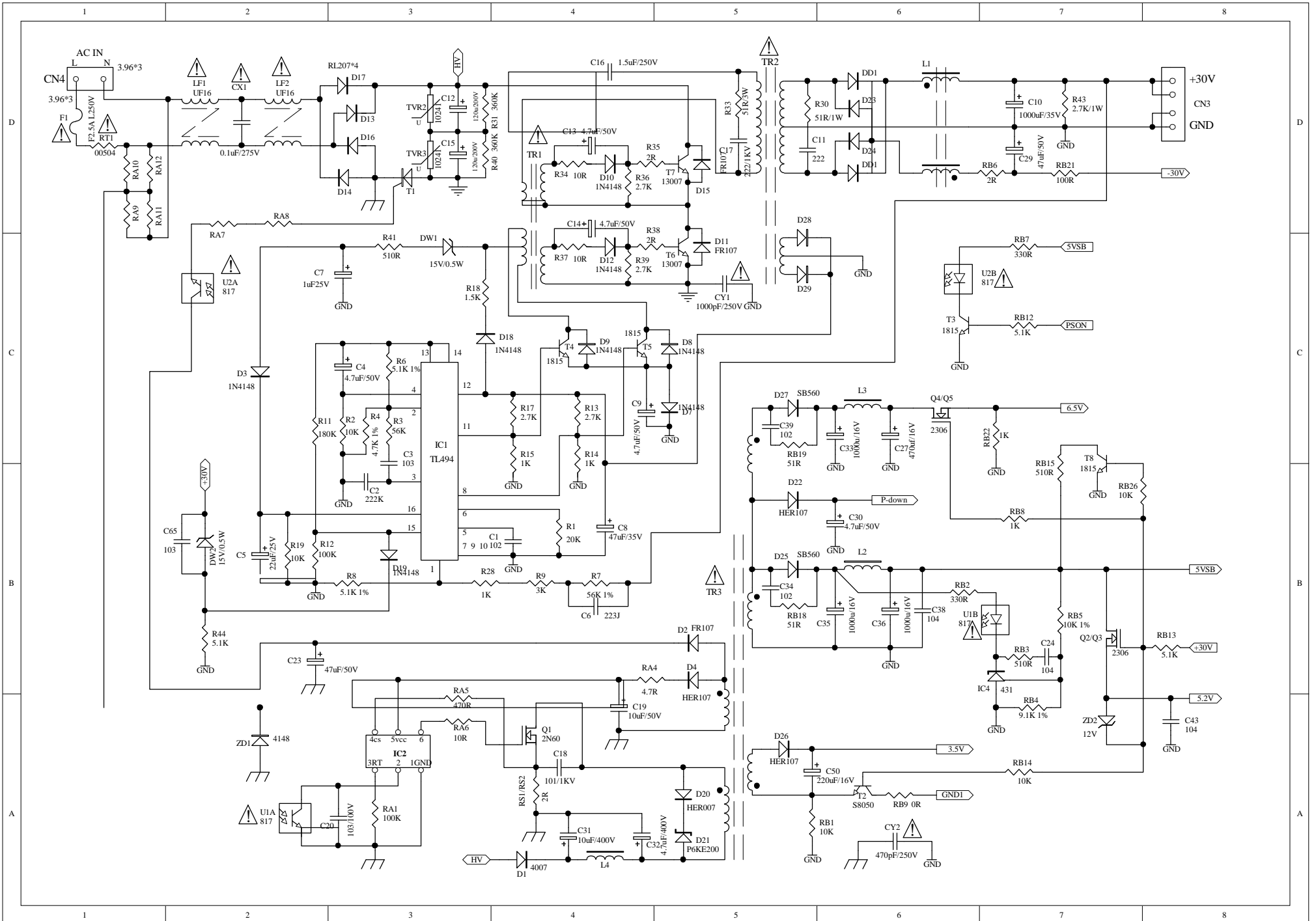
Input Board Layout Diagram



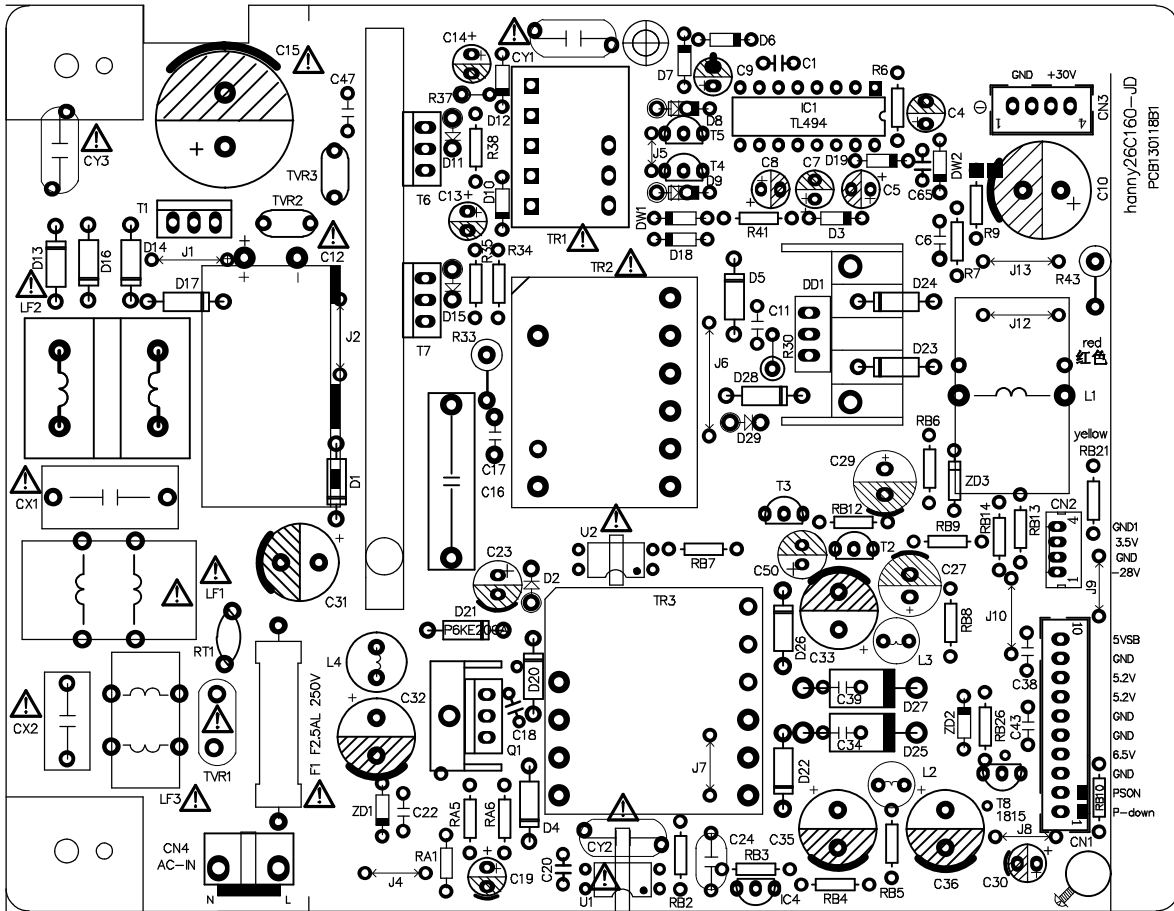
Input Board Layout Diagram



8-1.SMP Board Circuit Diagram

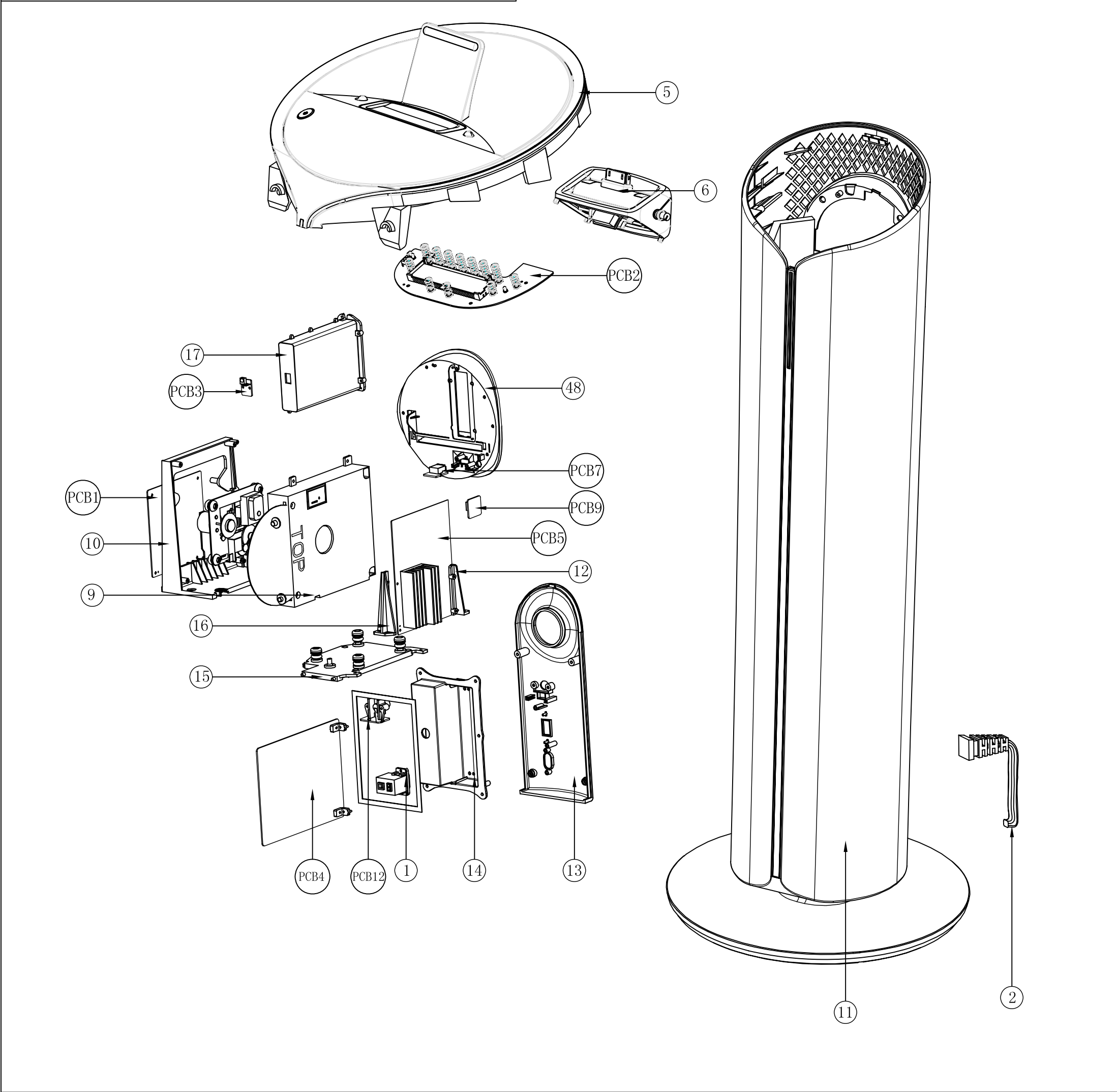
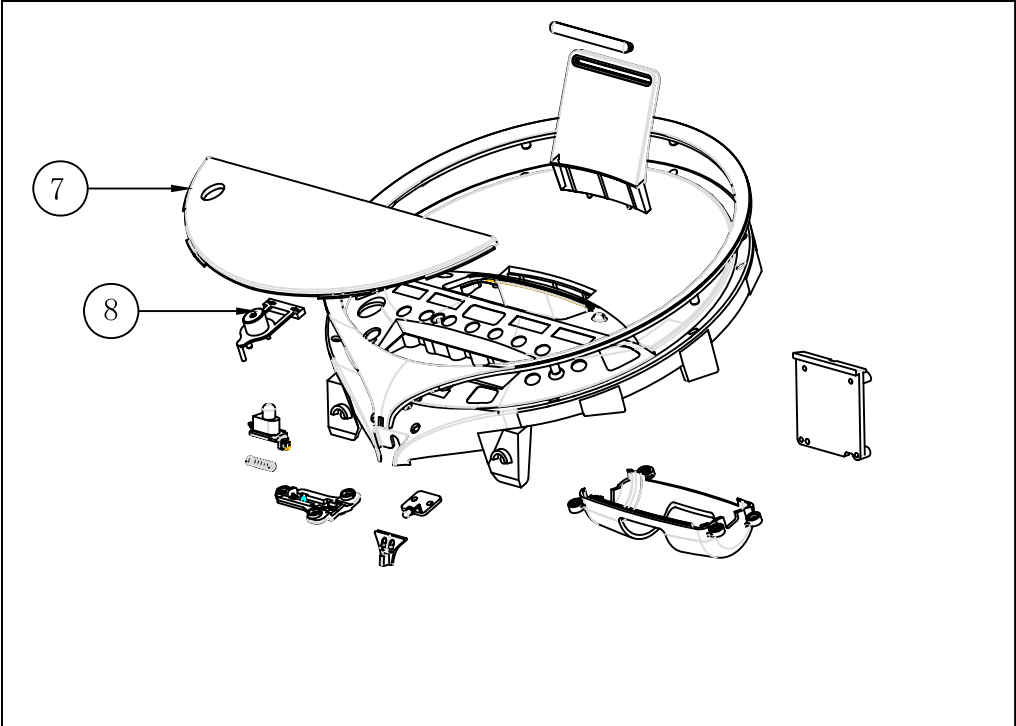


8-2.SMP Board Layout Diagram

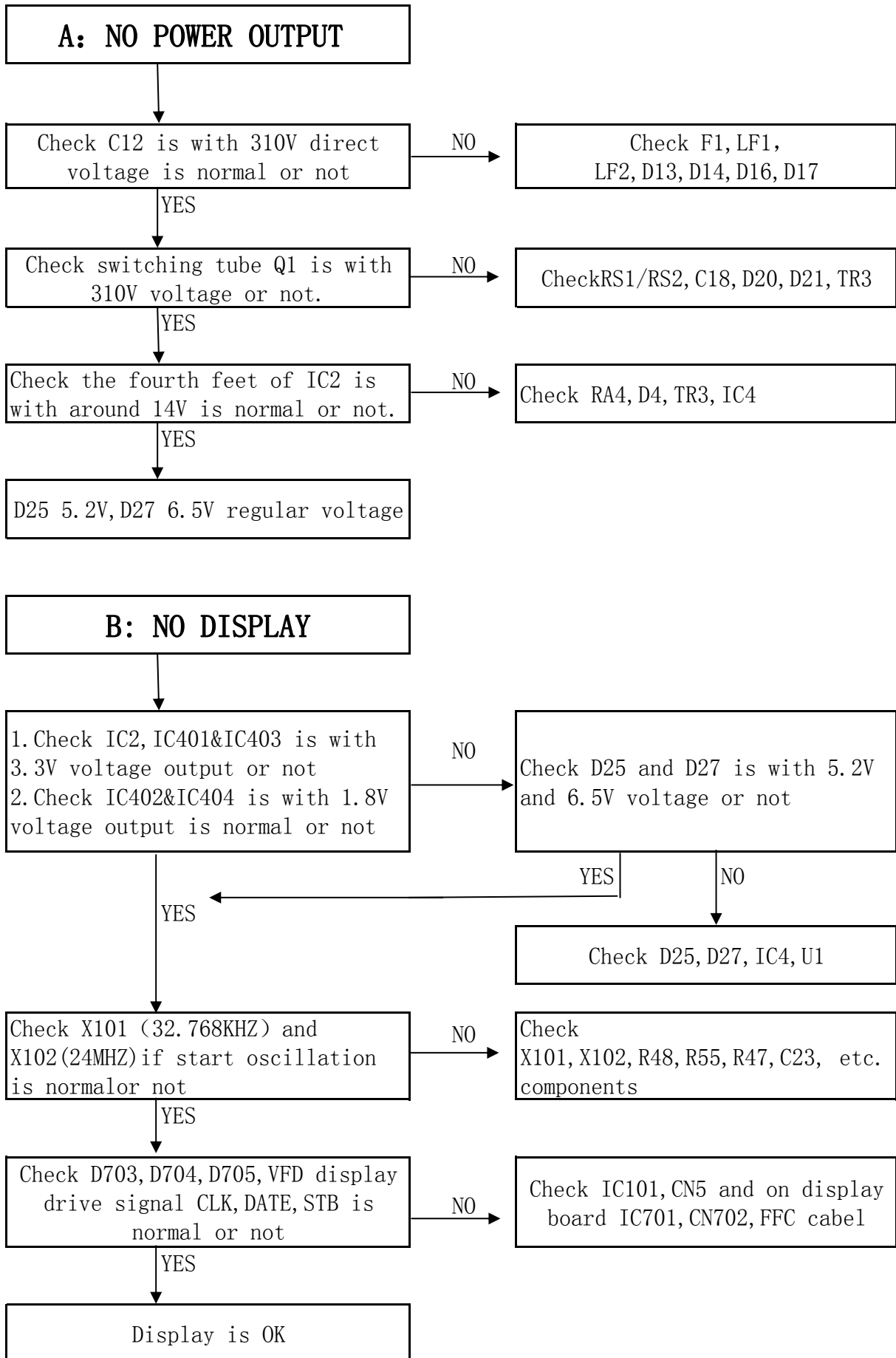


SMP Board Layout Diagram

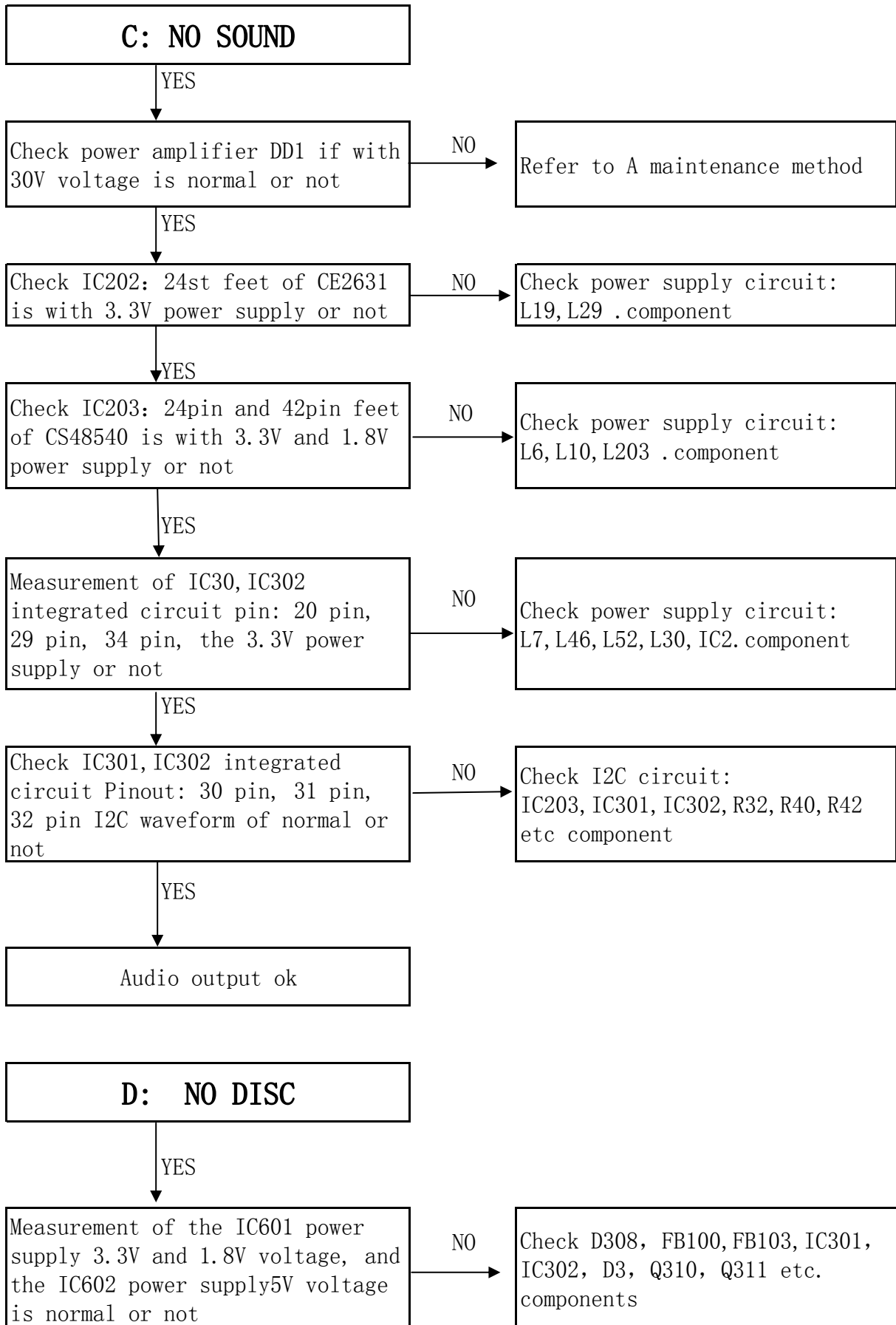




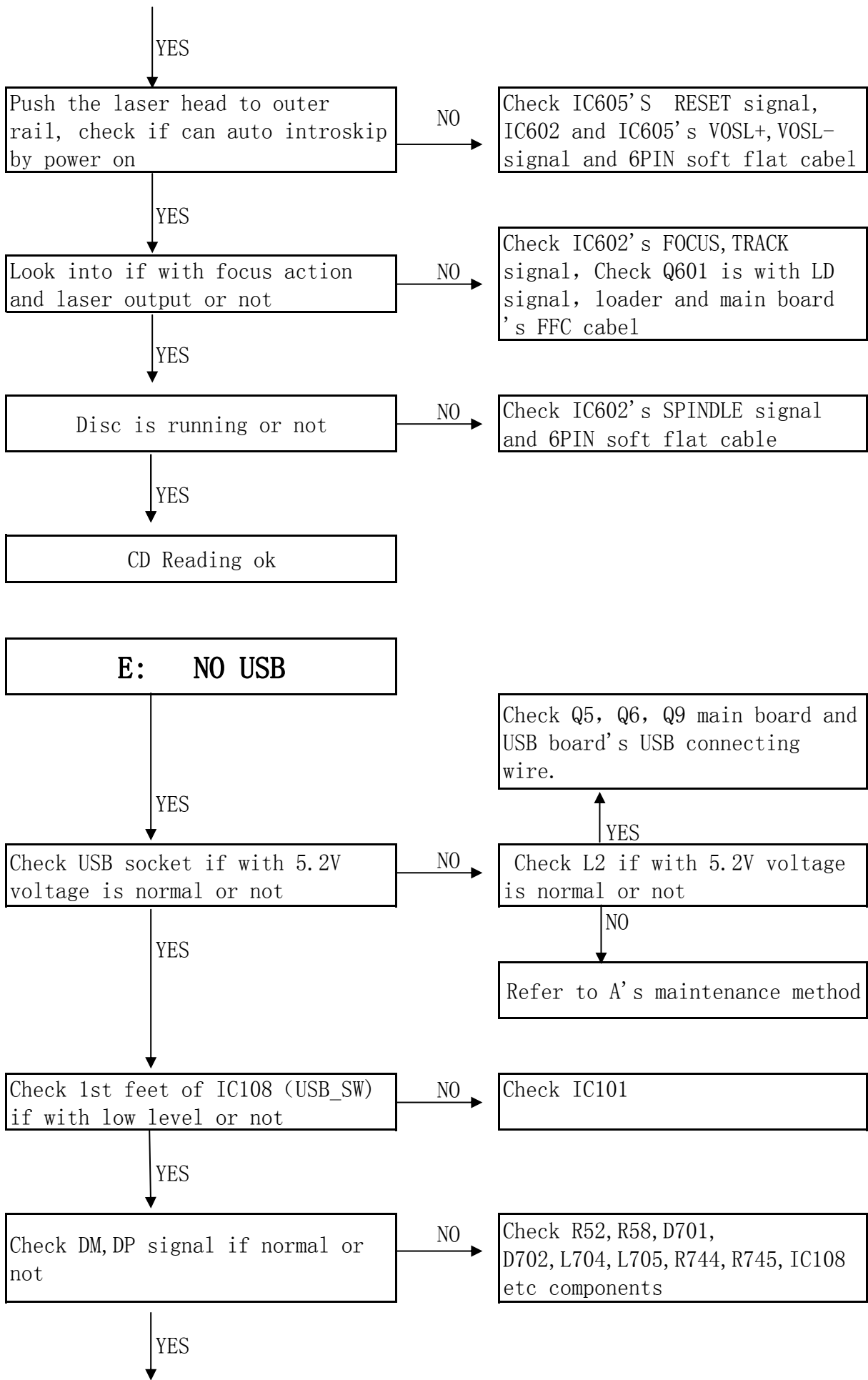
10. TROUBLE SHOOTING



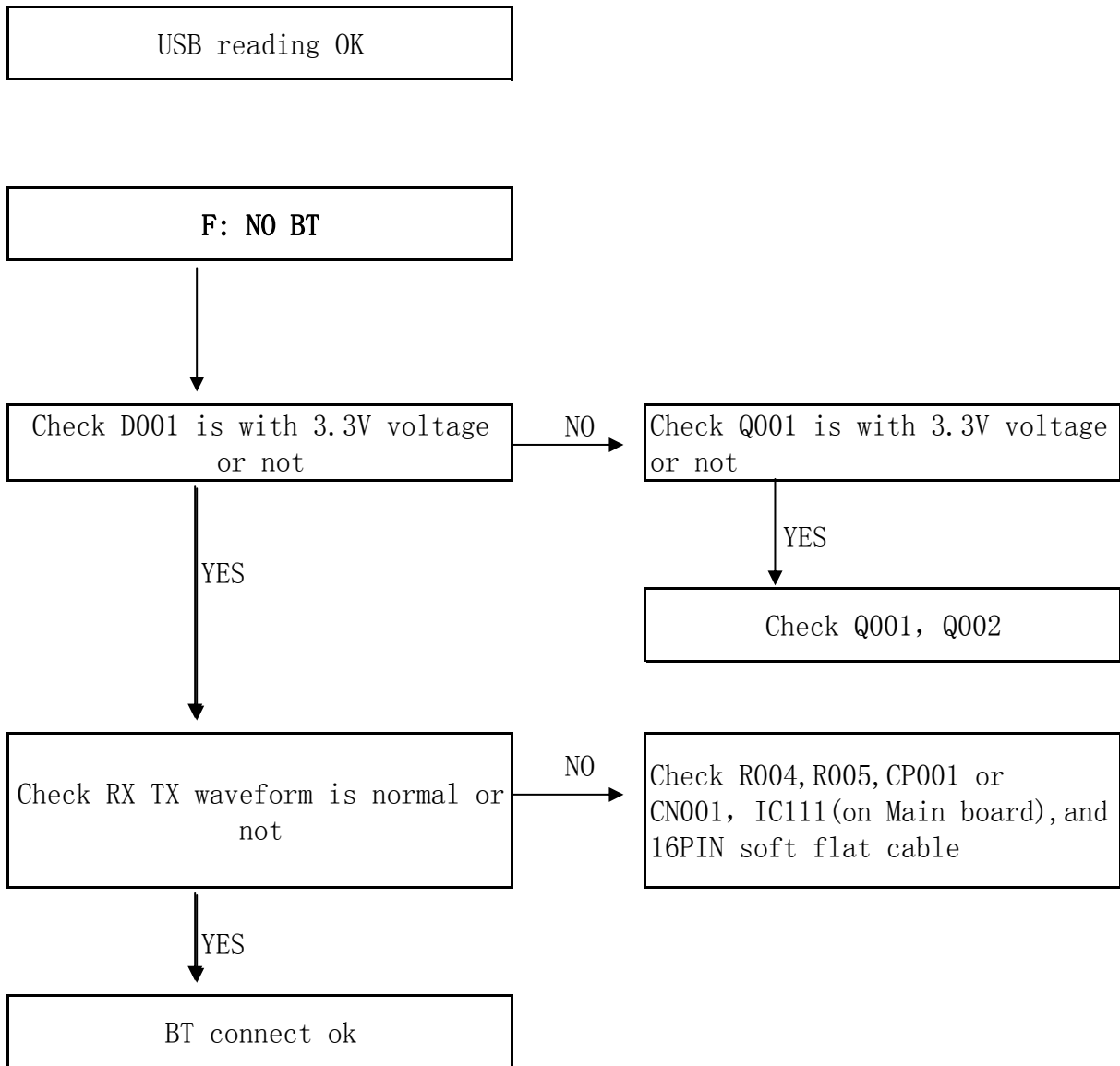
TROUBLE SHOOTING



TROUBLE SHOOTING



TROUBLE SHOOTING



11. Software upgrade & procedure to restore product setting

1. Restore Factory Settings:

Plug in, power up in no CD status, long press "PROG" button, display will show software version. Then short press "PROG" button for two times, will display "RESET", product will get in standby after a while. When it displays "00:00", it means the product has restored factory settings.

2. Check the software version:

Plug in, power up in no CD status, long press "PROG" button, it will display product software version at this time.

For example: MCU-V007 CD-V005 TP-021

3. How to upgrade the software:

Copy the upgrade files "System"(files include "upgrade.txt" and "upgrade_dcm5090.bin) into USB, plug the USB into products, display will show "UPGRADE" which means it is getting upgrade. After dozens of second, display will show "SUCCESS", which means the upgrade is done. Then can plug up the power cable and remove the USB. Please pay attention that it must not blackout while upgrade, or the product will crash down (can not work, display shows nothing). After crash down, the only way is to remove the FLASH IC (IC103, GD25Q80) and record the software or replace a new IC with effective software directly.

REVITON LIST

V1.0	2014.04.03	initial release
V2.0	2015.01.27	Exploded View Update