

数显版 RDA5807 收音机制作套件 HU-017F

Digital RDA5807 Radio Production Kit

关于售后服务:

1.售后时间: 上午 10 点—12 点, 下午 13 点—18 点 (周一到周六)

2.可通过微信扫一扫, 查看图文说明书 (带图片说明)

Detailed installation tutorial can be obtained by scanning QR code on mobile Phone.

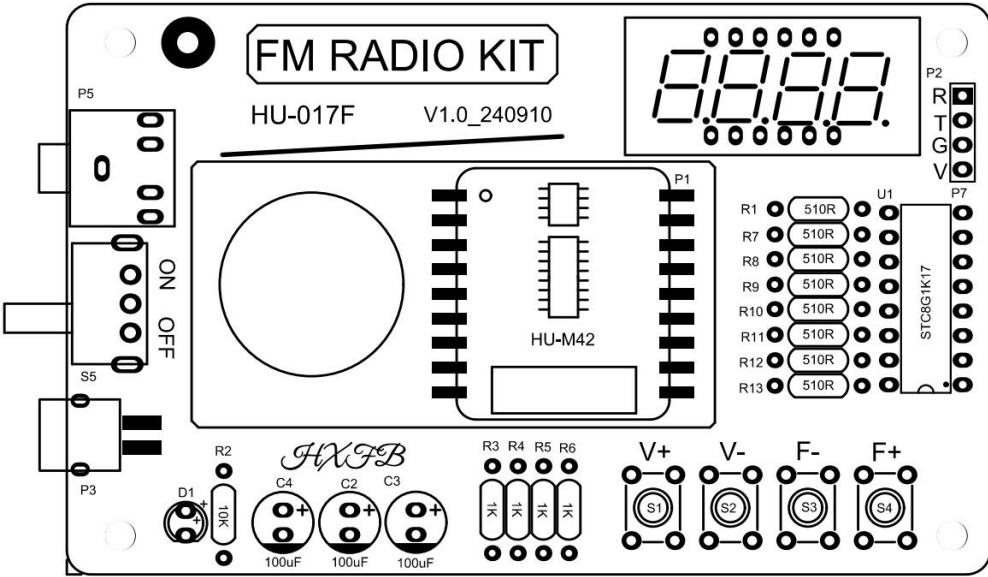
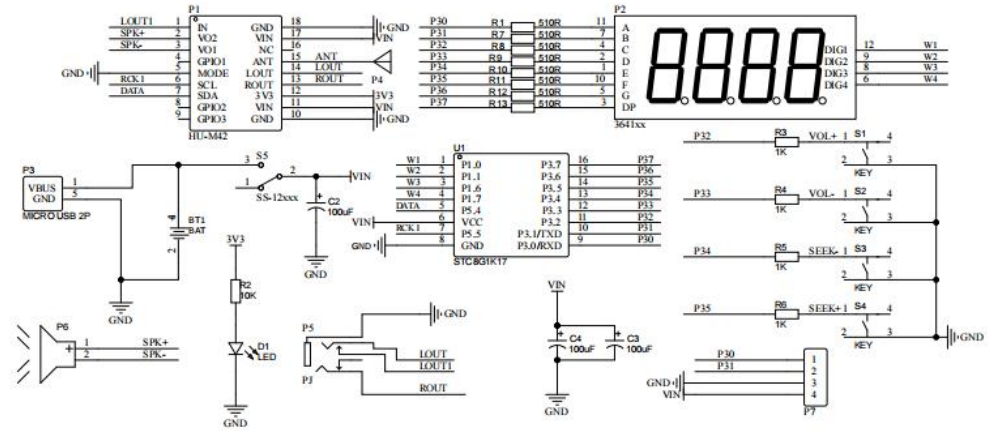
I. 元件清单 BOM

序号 /Number	名称	Name	标号/Lable	数量 /Number	备注 /Remarks
1	音频插座	Audio jack	P5	1	/
2	拨动开关	Toggle Switch	S5	1	/
3	USB 插座	USB socket	P3	1	/
4	直插电阻 510	Direct insertion resistor 510	R1、R7、R8、R9、R10、 R11、R12、R13	8	/
5	直插电阻 1K	Direct insertion resistor 1K	R3、R4、R5、R6	4	/
6	直插电阻 10K	Direct insertion resistor 10K	R2	1	/
7	电解电容 100uF	Electrolytic capacitor 100uF	C2、C3、C4	3	/
8	红色发光二极管	Red led	D1	1	/
9	6*6*12.5 按键	6*6*12.5 key	S1、S2、S3、S4	4	/
10	按键帽	Key cap	S1、S2、S3、S4	4	/
11	8P IC 座	8P IC socket	U1	1	/
12	STC8G1K17	STC8G1K17	U1	1	/
13	HU-M42 模块	HU-M42 module	HU-M42	1	/
14	数码管	Digital tube	P2	1	/
15	收音天线	Radio antenna	U6	1	/
16	M2 螺丝	M2 screw	/	1	/
17	M2 螺母	M2 nut	/	1	/
18	喇叭	Speaker	P6	1	/
19	海绵圈	Sponge Circle	/	1	/
20	4P 红黑连接线	4P red and black wire	/	1	/
21	电池弹片	Battery shrapnel	/	1	选配 Optional
22	电源线	Power line	/	1	/
23	PCB	PCB	/	1	/
24	说明书	Instructions	/	1	/
25	外壳	Housing	/	1	选配 Optional
26	螺丝包	Screw pack	/	1	选配 Optional



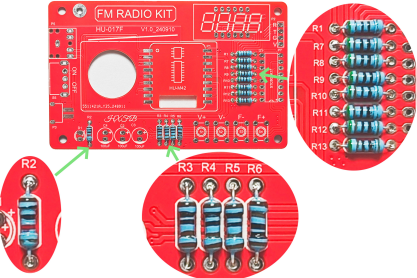
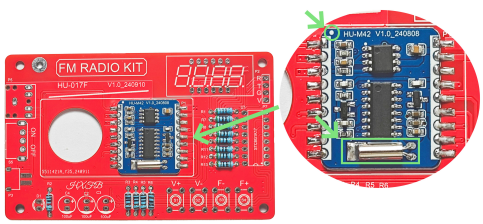
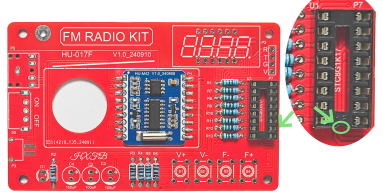
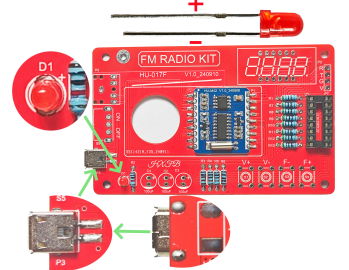
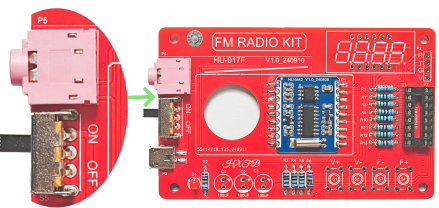
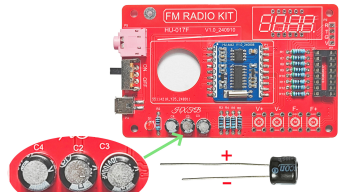
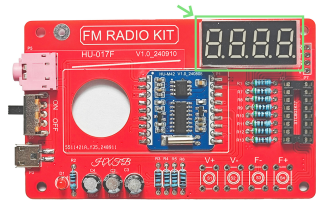
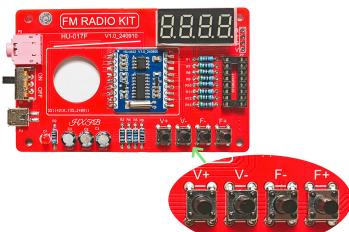
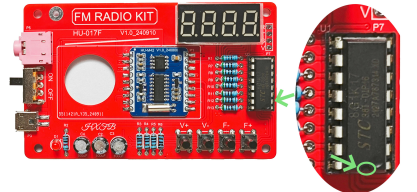
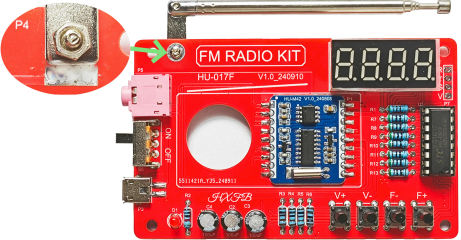
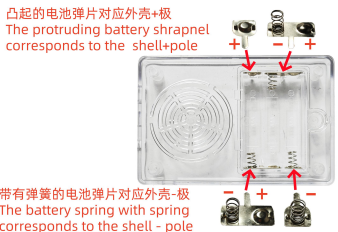
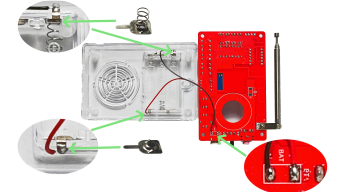
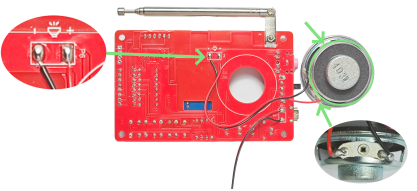
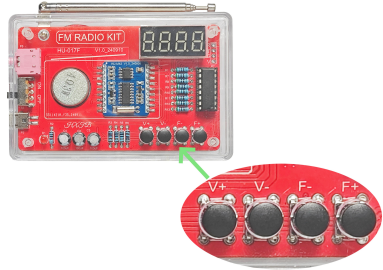
HU-017F 数显版RDA5807收音机

II. 电路原理&元件分布图 Schematic&Component map



注意: USB 接口不能和电池同时通电, 需要二选一, 否则收音机可能损坏。
Attention: The USB interface cannot be powered on at the same time as the battery. You need to choose one or the other, otherwise the radio may be damaged.

详细焊接&外壳组装步骤请扫描二维码查看图文教程。 For detailed welding & shell assembly steps, please scan the QR code to view the graphic tutorials.

 1、焊接 510Ω、1K、10K 电阻。 Solder 510Ω, 1K, 10K resistors.	 2、将晶振焊到 HU-M42 模块上并折弯，再焊接 HU-M42 模块。 Solder the crystal oscillator onto the HU-M42 module and bend it, then solder the HU-M42 module.	 3、焊接 16P 的 IC 座。（IC 座有缺口的一边对着丝印有缺口的一边） Solder 16P IC socket. (The side of the IC socket with a gap faces the side with a gap in the silk screen)	 4、焊接 USB 插座和红色发光二极管。（引脚长+短-） (Long pin+Short pin -)
 5、焊接拨动开关和音频插座。 Solder toggle switches and audio sockets.	 6、焊接 100uF 电解电容。（引脚长+短-） Solder 100uF electrolytic capacitors. (Long pin+Short pin -)	 7、焊接数码管。（注意方向） Solder digital tubes. (Pay attention to the direction)	 8、焊接 6*6*12.5 按键。 Solder 6*6*12.5 key.
 9、将 STC8G1K17 芯片插到 16P 的 IC 座上。（IC 座有缺口的一边对着丝印有缺口的一边） Insert the STC8G1K17 chip into the 16P IC socket. (The side of the IC socket with a gap faces the side with a gap in the silk screen)	 10、用 M2 的螺丝和螺母固定收音天线并焊接。 Secure the radio antenna with M2 screws and nuts and weld them together.	 凸起的电池弹片对应外壳+极 The protruding battery shrapnel corresponds to the shell+pole 带有弹簧的电池弹片对应外壳-极 The battery spring with spring corresponds to the shell - pole 11、将电池弹片插入到外壳上对应的位置。 Insert the battery shrapnel into the corresponding position on the casing.	 12、将红黑连接线一端焊到短电池弹片上，另一端焊到电路板上。（红+黑-） Solder one end of the red and black connecting wire to the short battery spring and the other end to the circuit board. (Red+Black -)
 13、将红黑连接线一端焊到喇叭上，另一端焊到电路板上，并将海绵圈贴到喇叭上。（红+黑-） Solder one end of the red and black connecting wire to the horn and the other end to the PCB, and stick the sponge ring onto the speaker. (Red+Black -)	 14、将喇叭装进卡槽中，装好外壳并用自攻螺丝进行固定。 Insert the speaker into the slot, install the casing, and secure it with self tapping screws.	 15、装好电池后装上电池盖，并用自攻螺丝进行固定。 After installing the battery, attach the battery cover and secure it with self tapping screws.	 16、装上按键帽。 Install the key cap.