

CW Morse Cryptodecoder Upgrade

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.

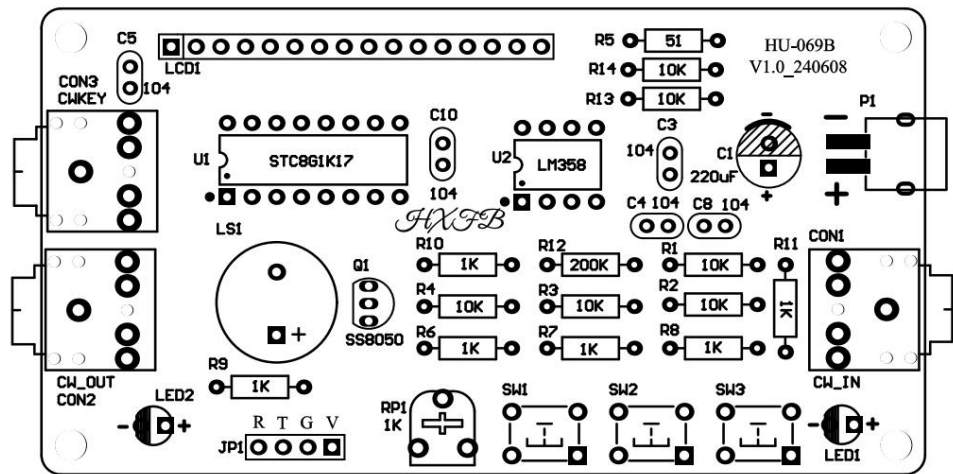
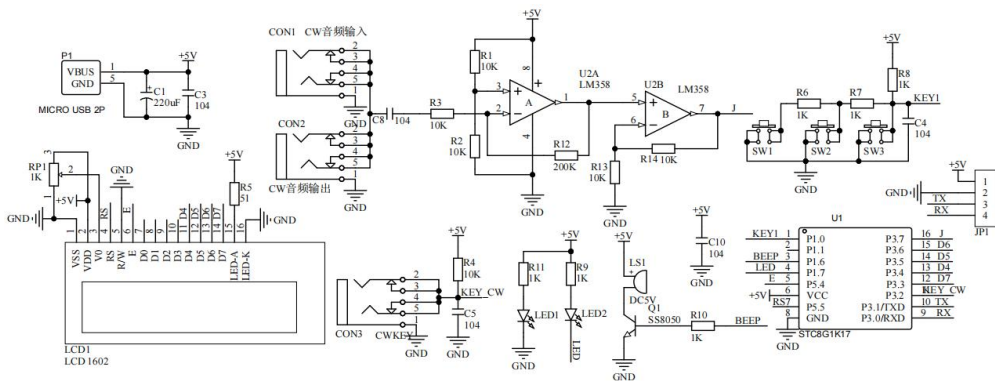


HU-069B 升级版CW摩尔斯码解码器

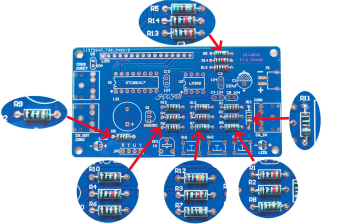
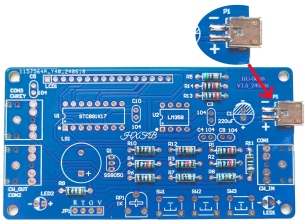
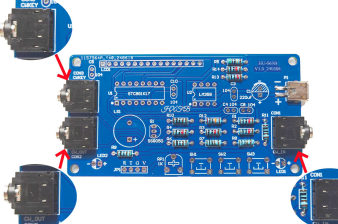
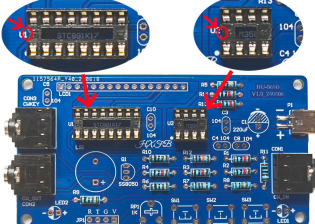
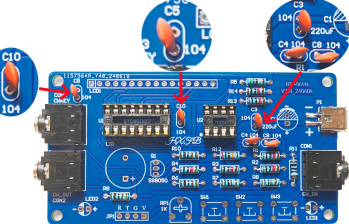
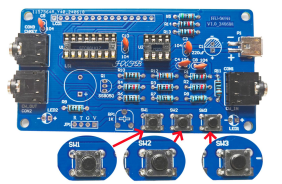
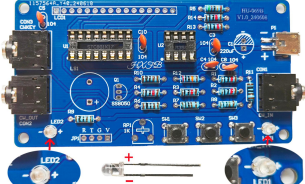
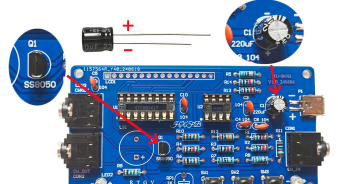
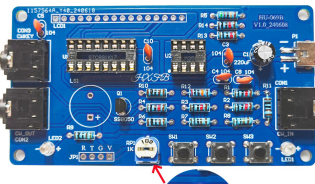
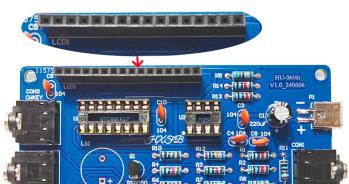
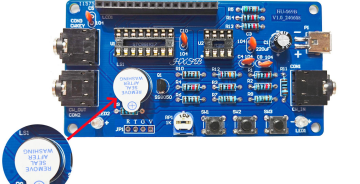
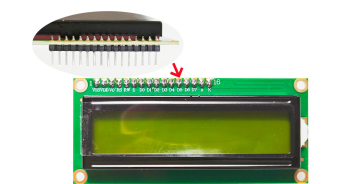
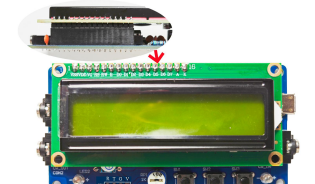
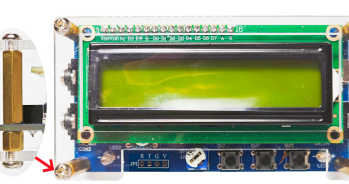
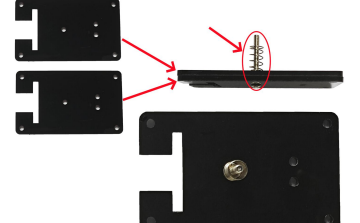
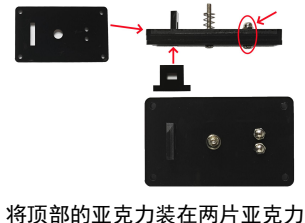
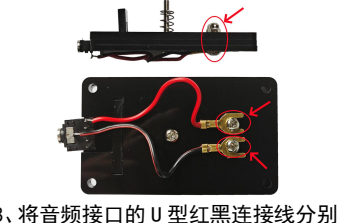
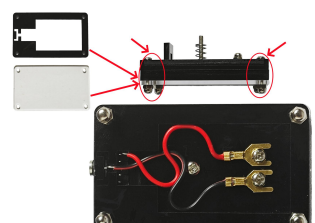
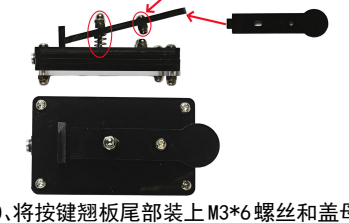
序号 /Number	名称	Name	标号/Lable	数量 /Number	备注 /Remarks
1	3F07 耳机插座	3F07 headphone socket	CON1、CON2、CON3	3	/
2	USB 插座	USB socket	P1	1	/
3	8050 三极管	8050 transistor	Q1	1	/
4	蓝白电位器 1K	Blue and white potentiometer 1K	RP1	1	/
5	白发红发光二极管	White red light-emitting diode	LED1、LED2	2	/
6	直插电阻 51Ω	Direct insertion resistor 51Ω	R5	1	/
7	直插电阻 1K	Direct insertion resistor 1K	R6、R7、R8、 R9、R10、R11	6	/
8	直插电阻 10K	Direct insertion resistor 10K	R1、R2、R3、 R4、R13、R14	6	/
9	直插电阻 200K	Direct insertion resistor 200K	R12	1	/
10	瓷片电容 104	Ceramic capacitor 104	C3、C4、C5、C8、C10	5	/
11	电解电容 220uF	Electrolytic capacitor 220uF	C1	1	/
12	8P IC 座	8P IC socket	U2	1	/
13	16P IC 座	8P IC socket	U1	1	/
14	LM358	LM358	U2	1	/
15	STC8G1K17	STC8G1K17	U1	1	/
16	1*16P 单排母座	1 * 16P single row socket	LCD1	1	/
17	6*6*5 按键	6*6*5 key	KEY1、KEY2、KEY3	3	/
18	LCD1602 液晶显示屏	LCD1602 LCD display screen	LCD1	1	/
19	1*16P 单排排针	1 * 16P single row needle	/	1	/
20	蜂鸣器	Buzzer	LS1	1	/
21	音频线	Audio cable	/	1	/
22	USB 电源线	USB power cord	/	1	/
23	解码器 PCB	Decoder PCB	/	1	/
24	说明书	Instructions	/	1	/
25	外壳	Housing	/	1	/
26	螺丝包	Screw pack	/	1	/

序号 /Number	名称	Name	标号/Lable	数量 /Number	备注 /Remarks
1	3F07 耳机插座	3F07 headphone socket	/	1	/
2	螺丝包	Screw pack	/	1	/
3	弹簧	Spring	/	1	/
4	U 型黑红连接线	U-shaped black and red connecting wires	/	1	/
5	外壳	Housing	/	1	/

II.电路原理&元件分布图 Schematic&Component map



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 51 Ω、1K、10K、200K 电阻。 Solder resistance of 51 Ω, 1K, 10K, and 200K.	 2、焊接 usb 插座。 Solder USB socket.	 3、焊接音频插座。 Solder audio socket.	 4、焊接 IC 座 8P 和 16P。(注意缺口方向) Solder the IC socket 8P and 16P. (Pay attention to the direction of the IC socket)	 5、焊接 104 瓷片电容。 Solder 104 ceramic capacitors.
 6、焊接 6*6*5 按键。 Solder 6*6*5 key.	 7、焊接白发红发光二极管。(长正短负) Solder white emitting red light-emitting diodes. (Long positive short negative)	 8、焊接 8050 三极管和 220uF 电解电容。(长正短负) Solder 8050 transistor and 220uF electrolytic capacitor. (Long positive short negative)	 9、焊接 102 电位器。 Solder the 102 potentiometer.	 10、焊接 1*16P 排母。 Solder 1 * 16P socket.
 11、焊接蜂鸣器。 Solder buzzer.	 12、将 STC8G1K17 和 LM358 芯片插到 IC 座上。(注意芯片方向) Insert the STC8G1K17 and LM358 chips into the IC socket. (Pay attention to chip direction)	 13、将 1*16P 排针焊到 LCD 屏上。 Solder 1 * 16P pins onto the LCD screen.	 14、将 LCD 屏插到 1*16P 排母上。 Insert the LCD screen into a 1 * 16P socket.	 15、用 M3 螺丝和铜柱将外壳组装。 Assemble the housing with M3 screws and copper pillars.
 16、用 M3*25 螺丝和螺母将中间的两片亚克力进行固定并将弹簧装在螺母上。 Fix the two pieces of acrylic with M3 * 25 screws and nuts, and install the spring on the nut.	 17、将顶部的亚克力装在两片亚克力上方，用 M3*12 螺丝和盖母固定，最后在凹槽处放入亚克力支架。 Install the top acrylic on top of two pieces of acrylic, secure with M3 * 12 screws and cover nuts, and place the acrylic bracket in the groove.	 18、将音频接口的 U 型红黑连接线分别装在 M3*12 螺丝上，并拧紧盖母。 Install the U-shaped red and black connecting wires of the audio interface onto M3 * 12 screws and tighten the cover nuts.	 19、装上底部的两块亚克力并用 M3*16 螺丝和盖母进行固定。 Install the two pieces of acrylic at the bottom and secure them with M3 * 16 screws and cover nuts.	 20、将按键翘板尾部装上 M3*6 螺丝和盖母，将翘板插入支架上并用螺母和盖母固定。 Install M3 * 6 screws and cover nuts onto the tail of the button rocker panel, insert the rocker panel into the bracket, and secure it with nuts and cover nuts.