

像素游戏机 DIY 套件

Pixel Game Consoles DIY 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)

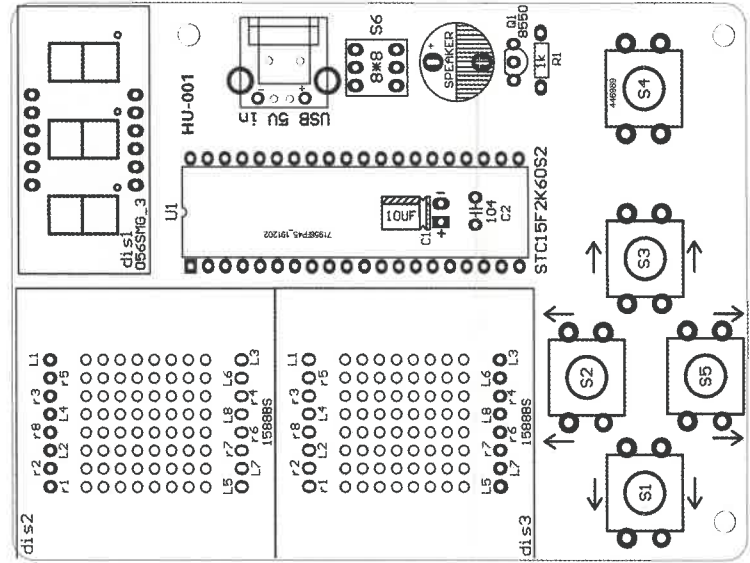
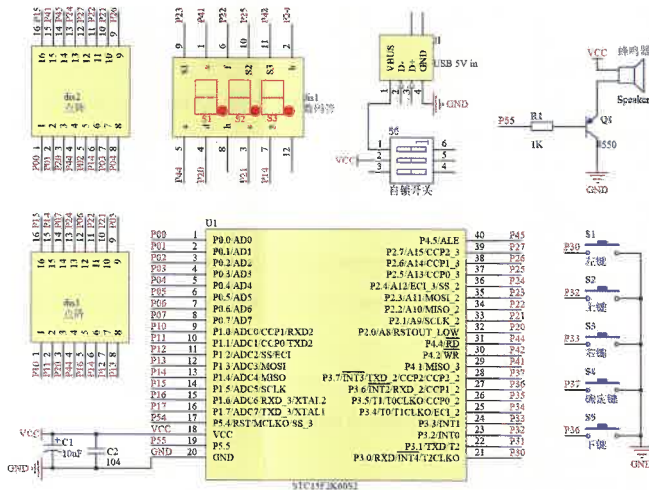
像素游戏机安装教程

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

I. 元件清单 BOM

序号 S/N	名称参数	Name Parameter	标号 Label	数量 Number
1	电路板	PCB	/	1
2	点阵	LED dot matrix	dis2, dis3	1
3	数码管	LED display	dis1	1
4	40P 芯片座	Chip holder 40P	U1	1
5	STC15 芯片	Chip STC15	U1	1
6	10uF 电解电容	E-Cap 10uF	C1	1
7	104 瓷片电容	Ceramic-Cap 104	C2	1
8	5V 蜂鸣器	Buzzer-5V	SPEAKER	1
9	8550 三极管	Triode 8550	Q1	1
10	1K 电阻	Resistor 1KΩ	R1	1
11	自锁开关+帽	Self-locking switch+Keycap	S6	1
12	按键+帽	Button+Keycap	S1,S2,S3,S4,S5	5
13	USB 母座+线	USB Base +line	/	1
14	4 节电池盒	4 battery box	/	1
15	外壳+螺丝	Shell+Screw	/	1

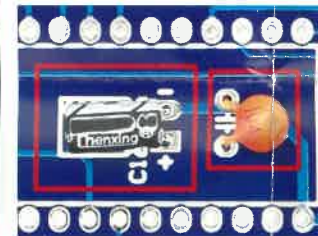
II. 电路原理&元件分布图 Schematic&Component map



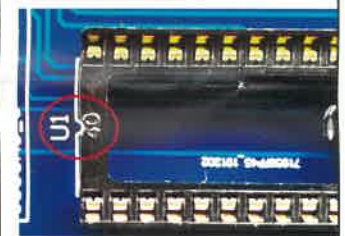
III. 焊接步骤及其注意事项 Welding&Notes



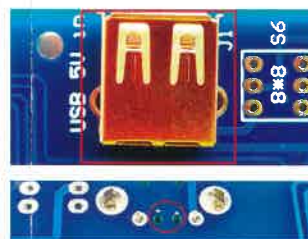
1. 焊接 1K 电阻 (引脚无极性)。 Welding 1K resistor(The pin has no polarity).



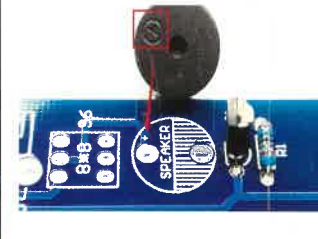
2. 焊接 10uF 电解电容 (短脚为负极)、104 瓷片电容。 Welding 10uF E-capacitor (short pin is negative), 104 ceramic capacitor.



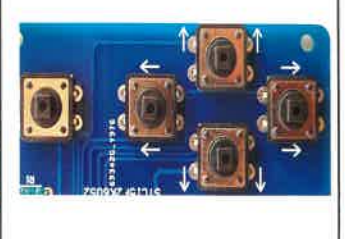
3. 焊接 40P-IC 座 (U 形缺口与丝印对应)。 Welding 40P-IC seat (U-shaped notch corresponds to silk screen).



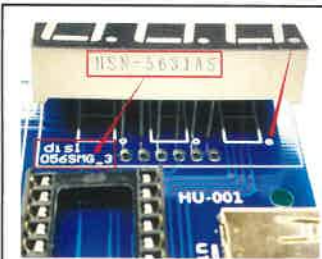
4. 焊接 USB 母座 (中间两个引脚无须焊接)。 Welding the USB socket (the middle two pins do not need to be welded).



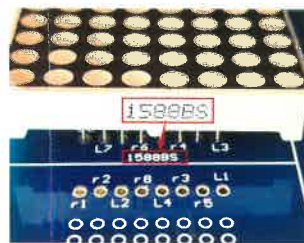
5. 焊接蜂鸣器 (引脚极性与丝印图案对应)。 Welding buzzer (pin polarity corresponds to silk screen pattern).



6. 焊接轻触按键 (如上图所示)。 Welding touch button (as shown above).



7. 焊接数码管 (字符对应丝印放置)。
Welding nixie tube (character corresponding to silk screen placement).

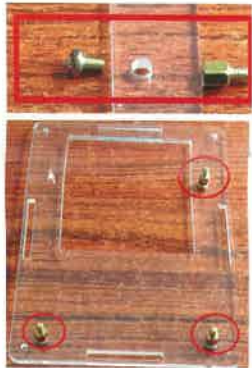


8. 焊接点阵 (字符对应丝印放置)。
Welding dot matrix (characters corresponding to silk screen placement).

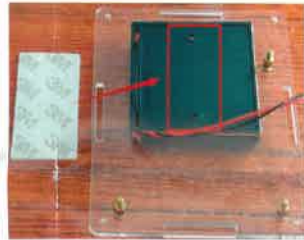


9. 焊接电池盒引线 (红+黑-, 对应丝印标识)。
Welding the battery box lead (red + black-, corresponding to the silk screen logo).

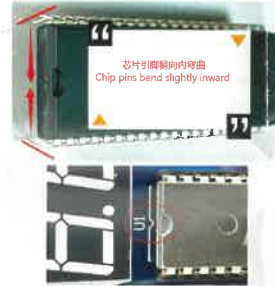
IV. 外壳安装 Shell Installation



1. 安装底板铜柱。
Install the copper pillars of the bottom plate.



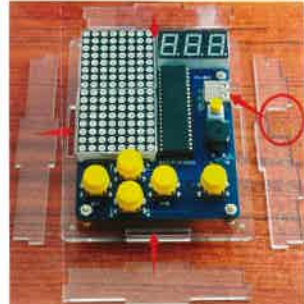
2. 将电池盒按压嵌入底板 (双面胶带可以不用粘贴)。
Press the battery case into the bottom plate (double-sided tape can be omitted).



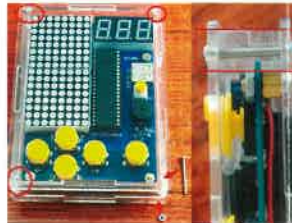
3. 安装 STC15 单片机 (U 形缺口与丝印图案对应)。
Install STC15 MCU (U-shaped notch corresponds to silk screen pattern).



4. 用螺母将电路板固定在铜柱上。
Fix the circuit board on the copper post with nuts.



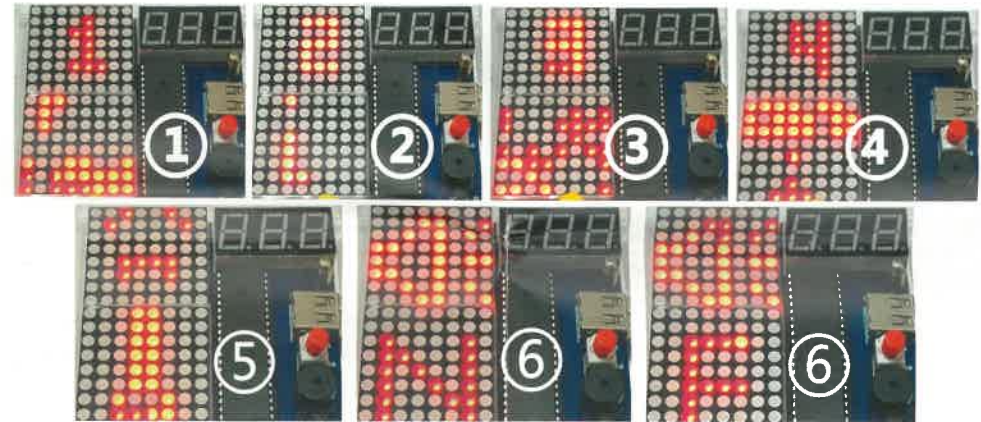
5. 如上图所示安装侧面外壳。
Install the side housing as shown in the figure above.



6. 最后安装顶板, 并在四个顶角用螺丝螺母锁紧固定。
Finally, install the top plate and fix it with screws and nuts at the four top corners.

V. 游戏操作说明 Game Instructions

1. 通电(DC5V 或者 4 节 5 号电池)后按下自锁开关即可启动游戏机。
2. 此时按左右按键可选择游戏项目: ①到④选项的游戏依次为俄罗斯方块、贪吃蛇、赛车、打飞机, 选择好游戏按确定键即可开始。
 - (1)俄罗斯方块: 左右键控制方块左右移动, 下键使方块加速掉落, 确定键为方块旋转。
 - (2)贪吃蛇: 上下左右按键操纵贪吃蛇移动方向, 确定键可加速移动。
 - (3)赛车: 左右键为赛车左右移动, 确定键为加速。
 - (4)打飞机: 左右键为飞机左右移动, 确定键可发射子弹。
3. 选项⑤为屏幕亮度调节, 按上下键可调节点阵显示亮度。
4. 选项⑥为声音控制, 按确定键可以选择关闭或开启声音 (N: 开启; F: 关闭)。
5. 游戏结束时, 按上键可返回游戏选择界面。



1. After power on (DC5V or 4 AA-batteries), press the self-locking switch to start the game machine.
2. Press the left and right buttons to select the game items: the games with ① to ④options are Tetris, Greedy snake, Racing, and Raiden. After selecting the game, press the OK-key to start.
 - (1)Tetris: the left and right key control box move, the Down-key box to accelerate the drop, the OK-key to change direction of box.
 - (2)Greedy snake: up, down, left and right buttons for greedy snake moving direction.
 - (3)Racing: the left and right keys for the racing movement, to determine the key for acceleration.
 - (4)Raiden: the left and right keys for movement, and the OK-key are the firing bullets.
3. Option ⑤ is screen brightness adjustment. Press the up and down keys to adjust the dot matrix display brightness.
4. Option ⑥ is sound control. Press OK-key to turn off or turn on the sound (N: on; F: off).
5. At the end of the game, press the up key to return to the game selection interface.