

# 下堆式磁悬浮-焊接教程

- 1.焊接顺序为**从低到高 从小到大 从内到外**
- 2.有脚的**长正短负**
- 3.烙铁焊接温度**320°-380°**，焊接**3-5秒**左右，**不可长时间焊接！** 以免焊坏电路板地线
- 4.电路板标识**VCC正 GND负**
- 5.**注意静电及产品供电大小5v 9v 12 v** 以免烧坏电路及元器件！

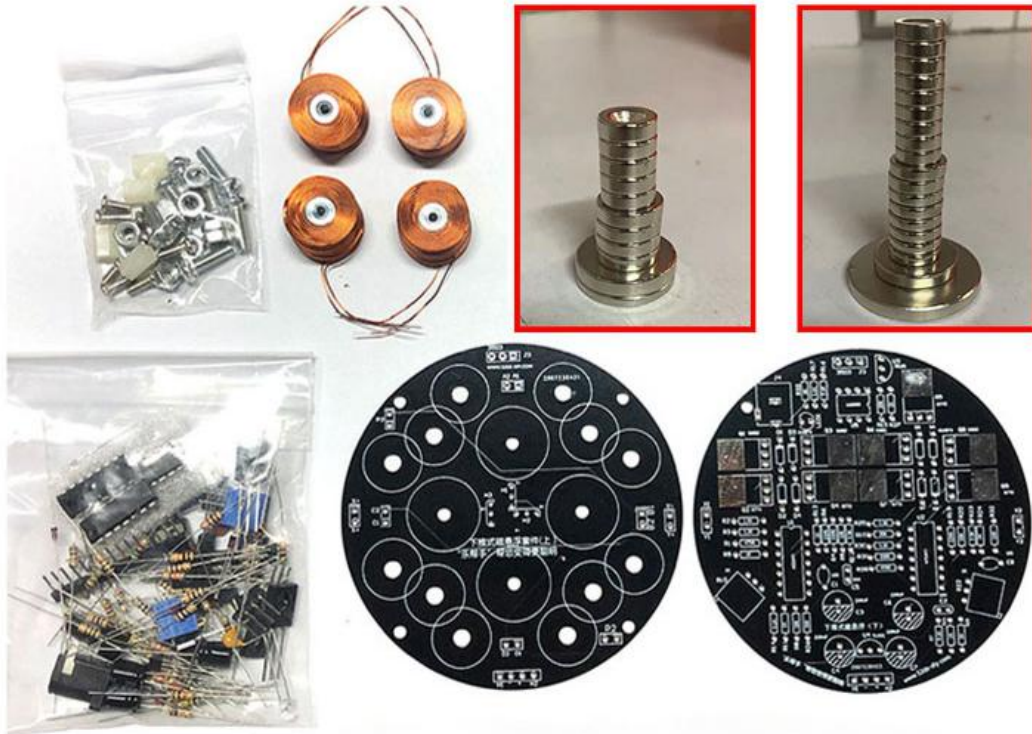
## 英文翻译

1. The welding sequence is from low to high, from small to large, from inside to outside
2. The length of the feet is positive and the short is negative
3. The soldering iron soldering temperature is 320 °C -380 °C , and the soldering time is about 3-5 seconds. Do not solder for a long time! So as not to damage the circuit board ground wire
4. Circuit board identification VCC positive GND negative
5. Pay attention to static electricity and the product power supply is not small 5v 9v 12 V to avoid burning out the circuit and components!

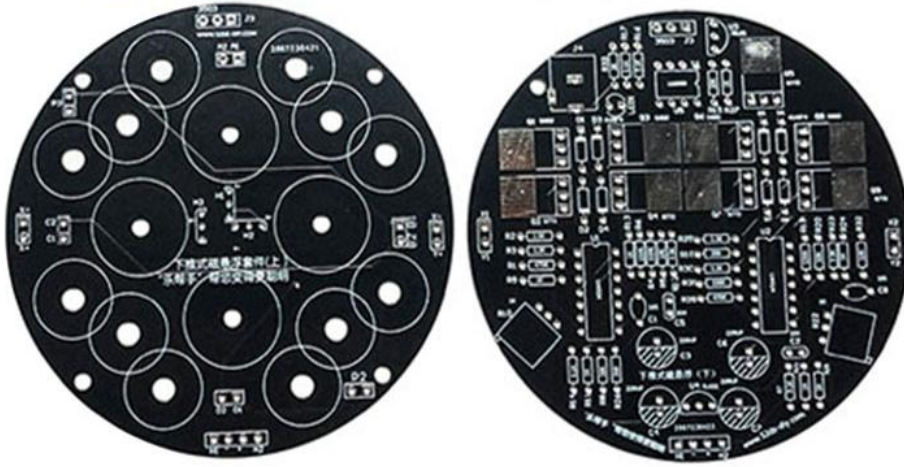
散件展示

150G

300G



# 1. 电路板 1. Circuit board



2. 先焊接电阻  
电阻不分正负，  
注意电阻颜色  
对应电阻数值

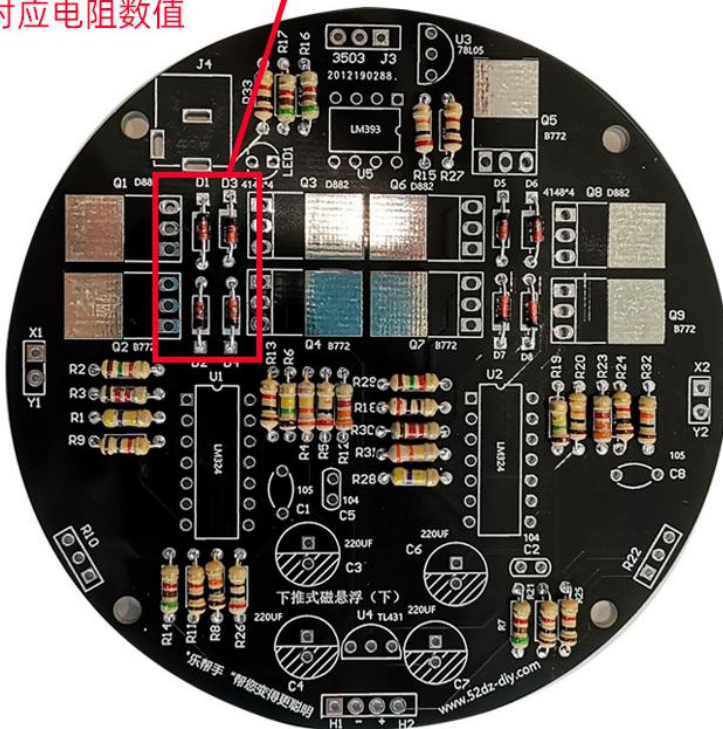
Diode+

二极管



二极管黑色为负  
对齐电路板  
白色部位焊接

The black of the diode is negative, and the white part of the circuit board is aligned and soldered



## 2 Weld the resistance first

The resistance is not divided into positive or negative, pay attention to the color of the resistance, corresponding to the resistance value

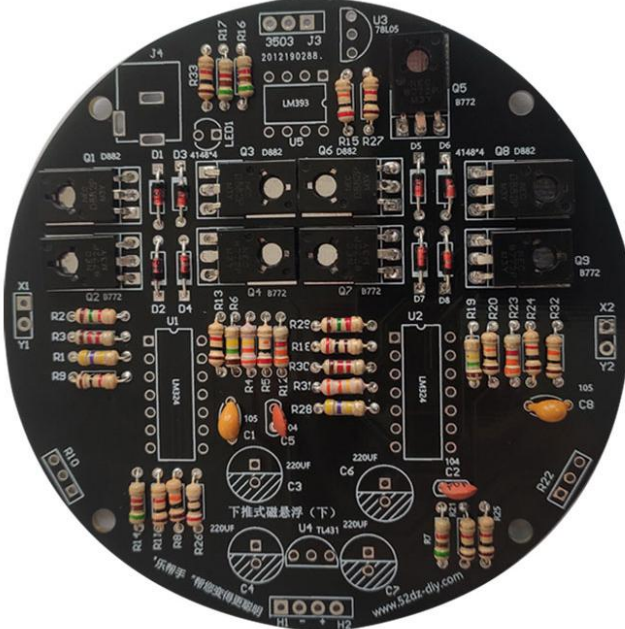


3.焊接背面瓷片电容, 独石电容, 三极管不分正负  
三极管注意数值

3 Weld the back

Ceramic capacitors, monolithic capacitors, three-stage transistors are not distinguished between positive and negative

Pay attention to the value of the tertiary tube



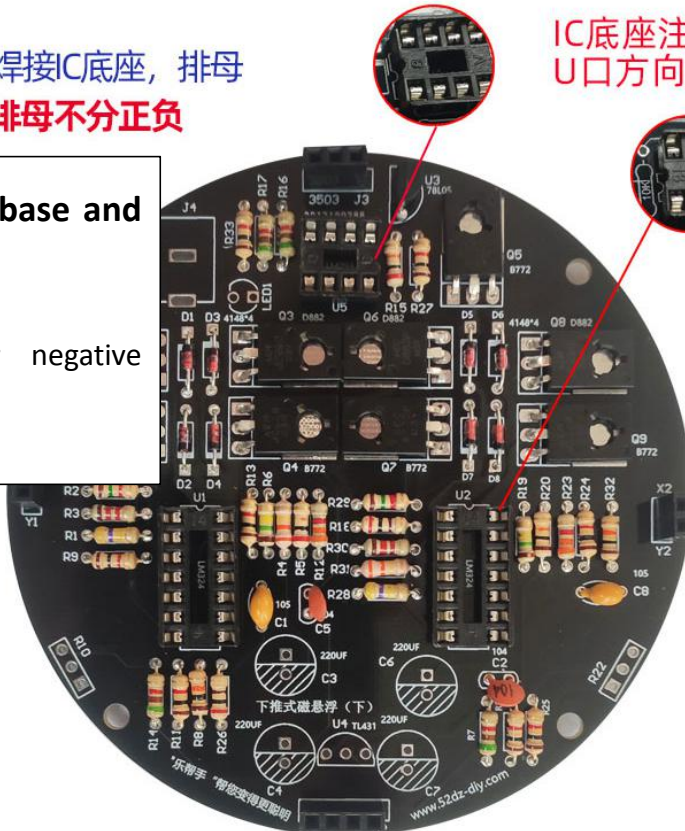
4.焊接IC底座, 排母  
排母不分正负

IC底座注意  
U口方向安装

Pay attention to the direction of the U port to install the IC base

4. Welding IC base and female header

No positive or negative parenthesis

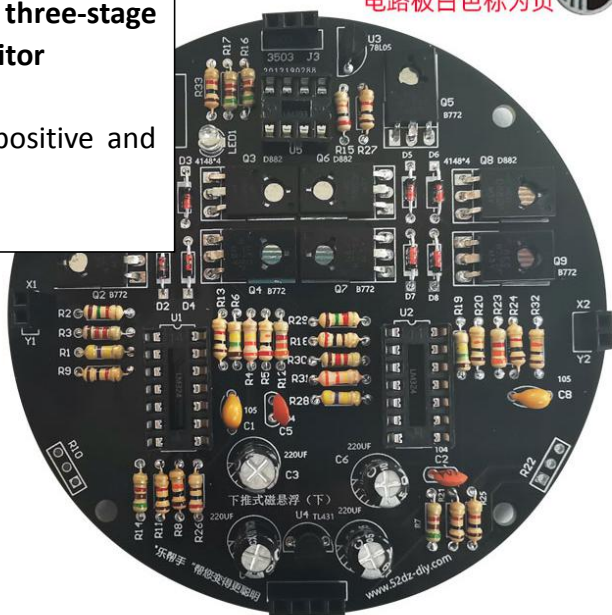


5. 焊接电解电容三极管  
LED灯长正短负

电解电容长正短负 + -  
或者白色区域为负  
电路板白色标为负

Electrolytic capacitor length positive and short negative Or the white area is negative

5. Welding the three-stage electrolytic capacitor  
  
LED light length positive and short negative



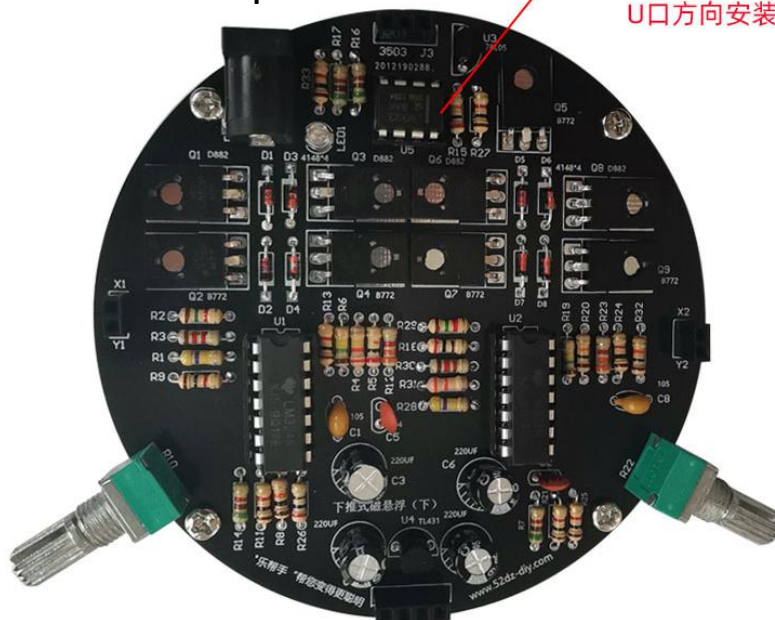
6. 焊接电位器, 电源座, 装上IC芯片

6. Weld the potentiometer, the power socket, and install the IC chip



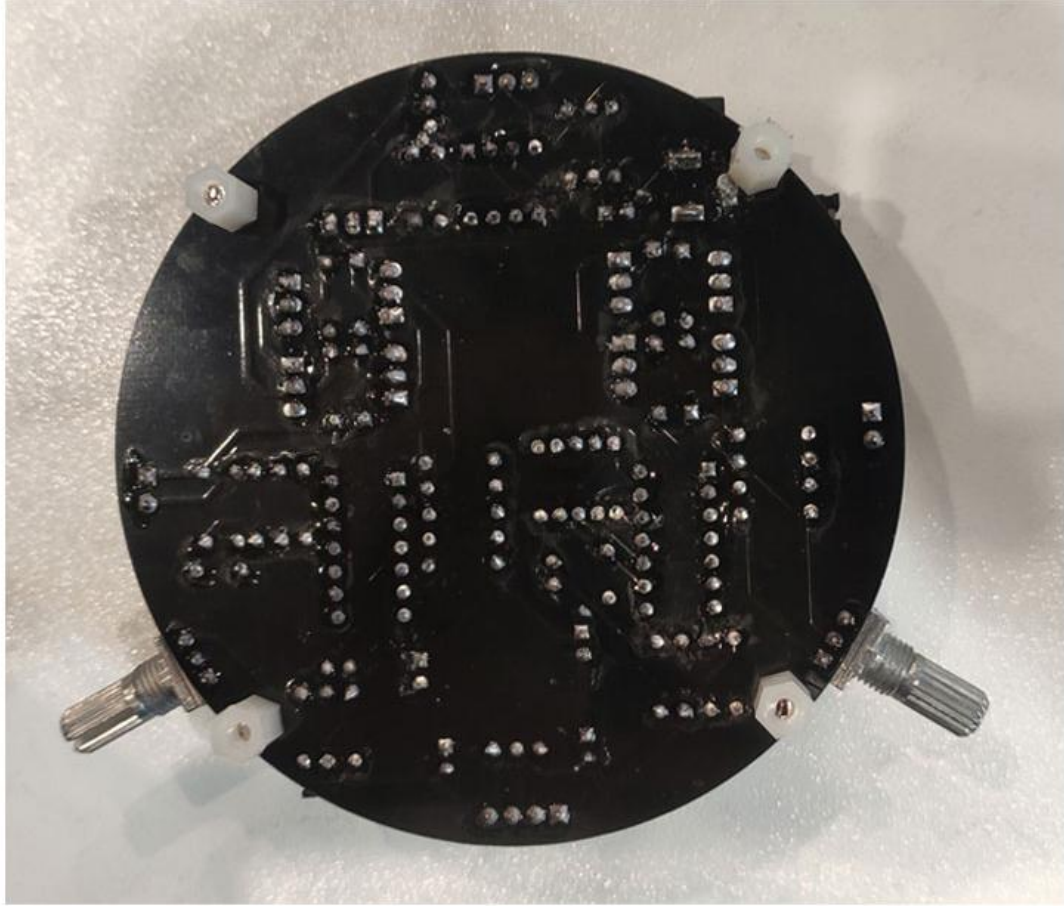
IC芯片注意  
U口方向安装

Pay attention to the installation of the IC chip in the direction of the U port



## 7. 线路板背面

## 7. The back of the circuit board

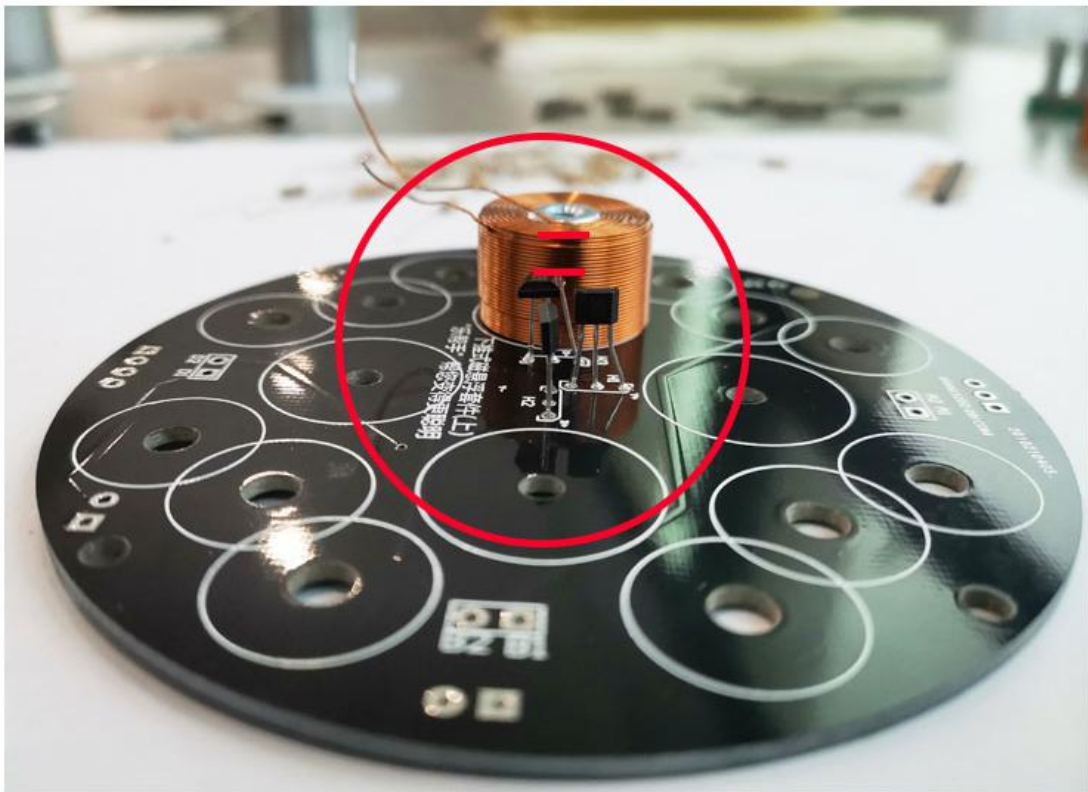




## 二、线圈板焊接

### 1. 焊接线圈霍尔传感器

霍尔传感器顶部大概比线圈顶部矮 2mm 左右  
H3 需要 90 度折弯安放。



## 二、 coil plate welding

### 1. Welding coil hall sensor

The top of the Hall sensor is about 2MM shorter than the top of the coil  
H3 needs to be bent at 90 degrees

## 2. 焊接线圈磁铁

线圈顶上的线分别焊接在 A1, B1, C1, D1

中间的线分别焊接在 A2, B2, C2, D2

注意线圈线用的是漆包线, 外面是绝缘的,

焊的时候, 要焊线头银白色部分

3.150g 版本只需装 4 叠磁铁,

300g 版本装 8 叠磁铁。

所有磁铁安装方向都要一致。

磁铁有方向, 注意安装方向, 线圈板插驱动板上,  
通电 12V, 正常主板的 LED1 不亮, 如果通电 LED1  
就亮说明磁铁都装反了, 反过来安装

150g 浮子



300g 浮子



小磁铁必须在大磁铁的正中间, 注意  
磁铁方向, 当小磁铁这边去靠近线圈板  
上面的磁铁时, 应该是相互吸引的。

方向确认无误后, 可用胶水固定, 防止移动。

## 2. Welding coil magnet

The wires on the top of the coil are respectively welded to A1, B1, C1, D1

The middle wires are respectively welded to A2, B2, C2, D2

Note that the coil wire is enameled wire, and the outside is insulated. When welding, the silver-white part of the joint should be welded.

3. Only 4 stacks of magnets are required for the 3.150g version, 8 stacks of magnets for the 300g version

All magnets must be installed in the same direction.

The magnet has a direction, pay attention to the installation direction, the coil board



is inserted into the drive board, and the power is 12V, and the LED1 of the normal main board is not bright. If the LED1 is on after the power is turned on, it means that the magnets are installed upside down and need to be installed in reverse.

The small magnet must be in the middle of the large magnet. Pay attention to the direction of the magnet. When the small magnet is close to the magnet iron on the coil plate, it should attract each other. After the direction is confirmed, it can be fixed with glue to prevent movement