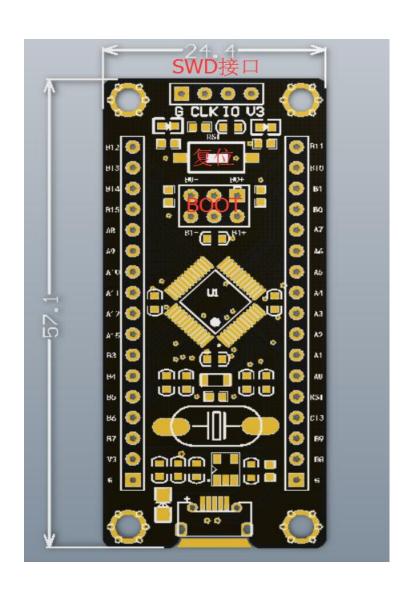
核心板在线调试使用 stlink SWD 模式 https://item.taobao.com/item.htm?spm=a1z1 0.3-c.w4002-10831283312.9.deMcOl&id=268 02964172





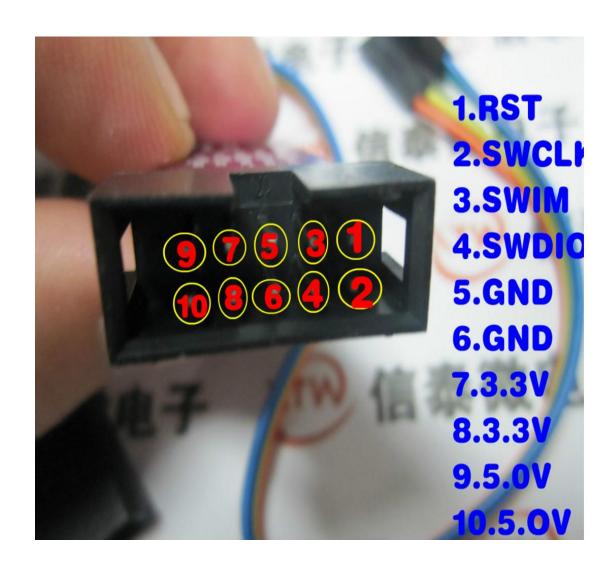
对应四条线接到核心板

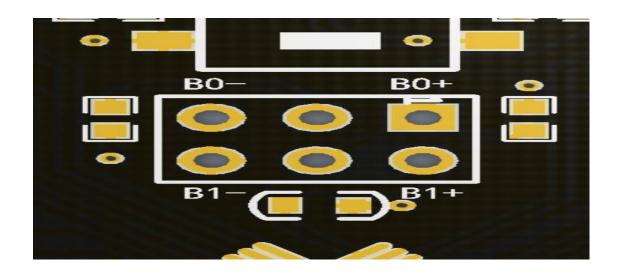
G--GND

**CLK--SWCLK** 

IO--SWDIO

V3--3.3V





核心板启动方式和排针对应如下:

0-BOOT0-1

0-BOOT1-1

默认是 flash 的启动方式

| воото | BOOT1 | MODE  |
|-------|-------|-------|
| 0     | X     | FLASH |
| 1     | 1     | SRAM  |
| 1     | 0     | ISP   |