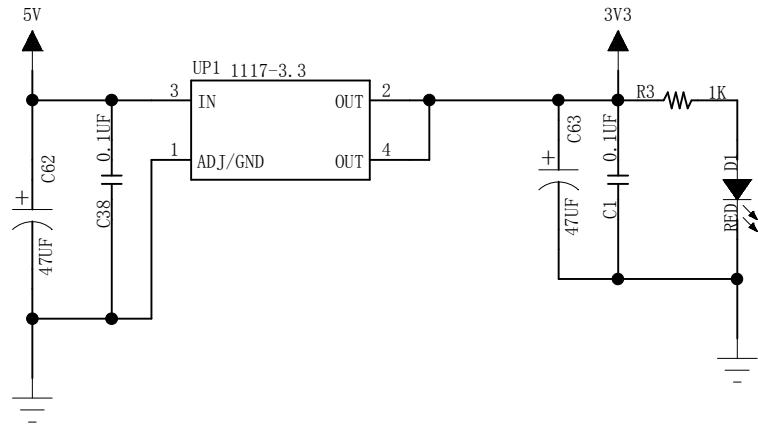
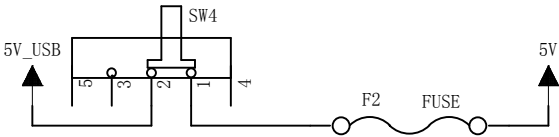
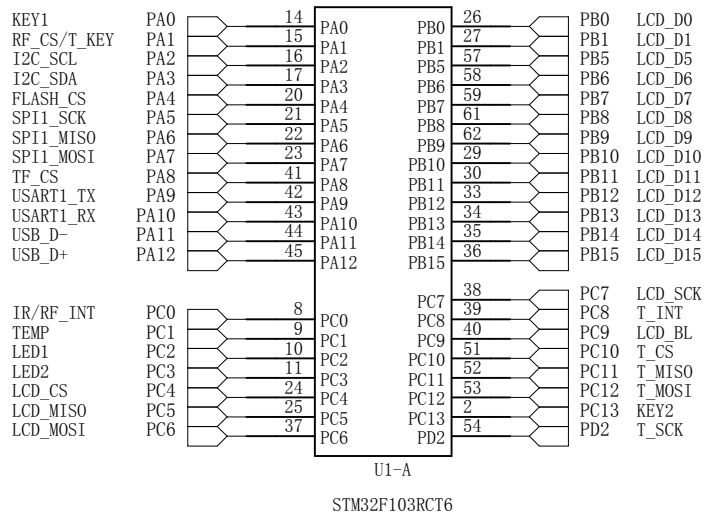


# 电源供电



3V3输出

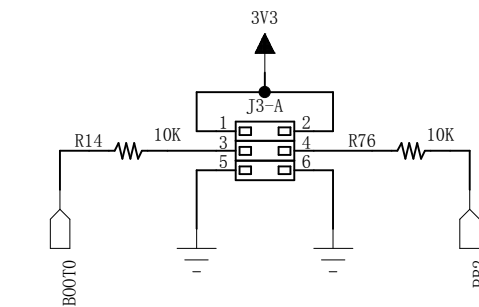
MCU



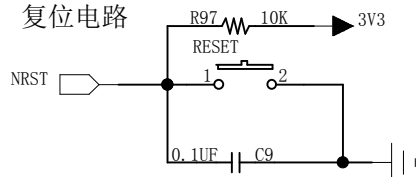
BOOT设置

BOOT0	BOOT1	启动方式
0	X	内部FLASH
1	0	系统存储器/ISP模式
1	1	内部SRAM

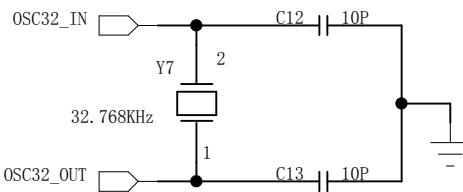
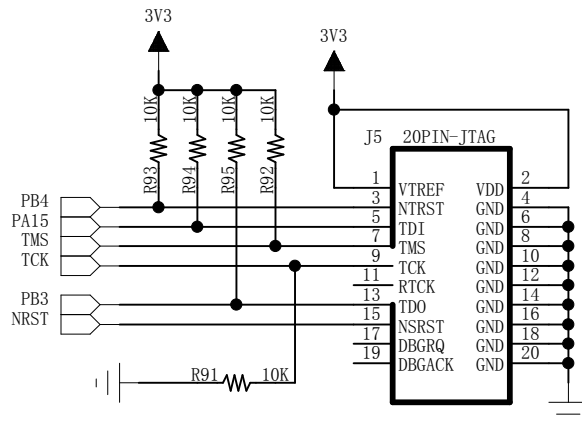
默认配置是内部FLASH，BOOT0&1接地



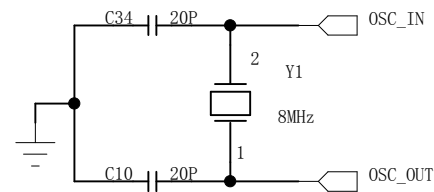
复位电路



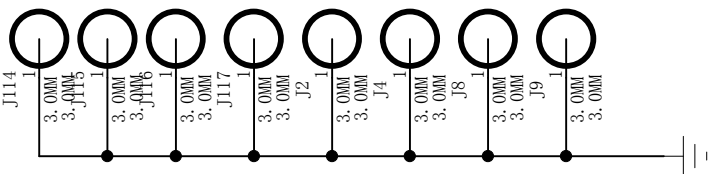
JTAG下载接口



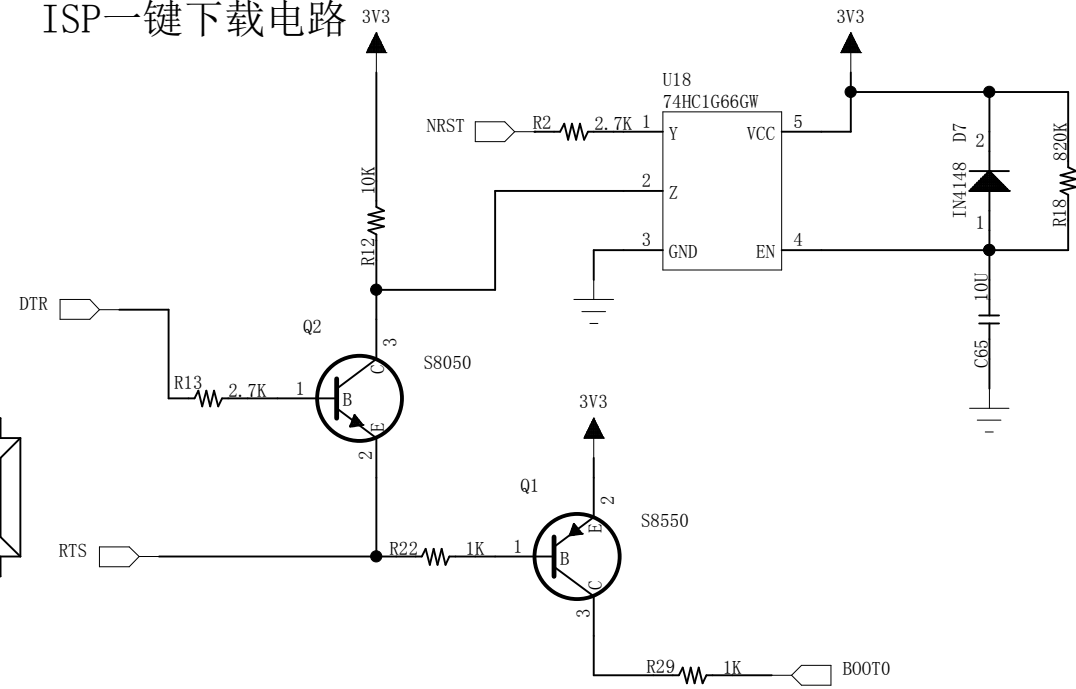
晶振电路



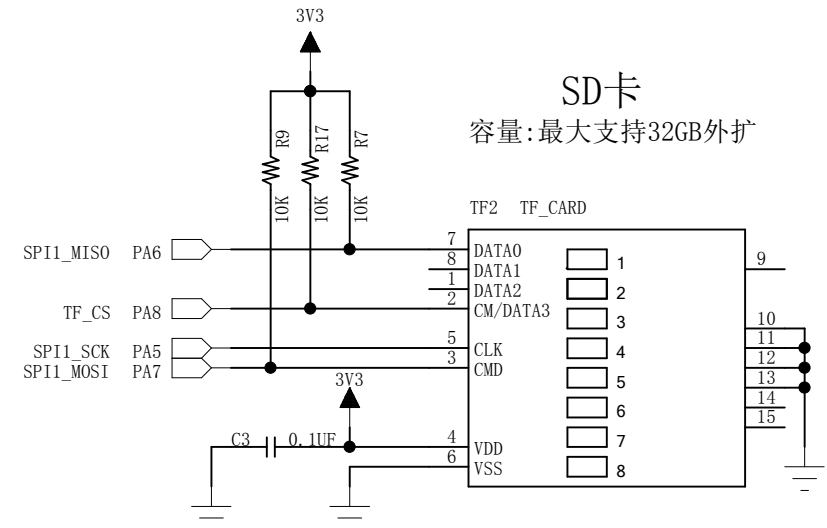
3mm 螺丝孔



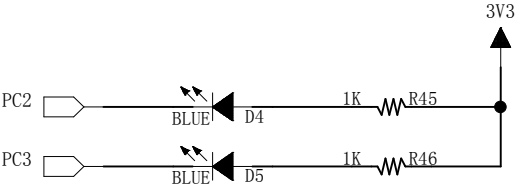
## ISP一键下载电路



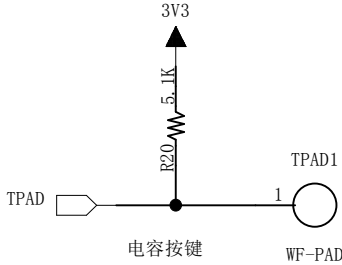
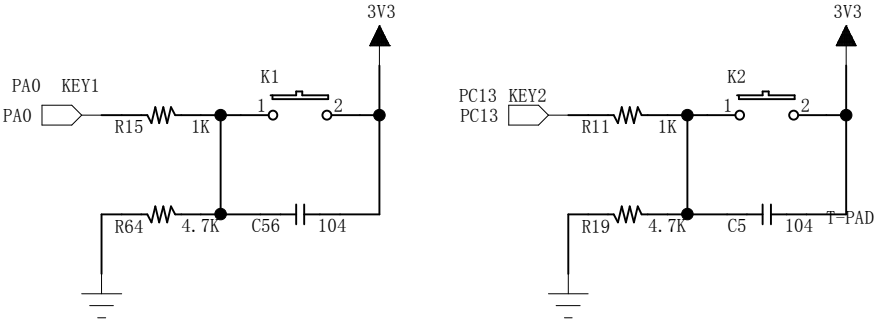
SD卡  
容量:最大支持32GB外扩



LED



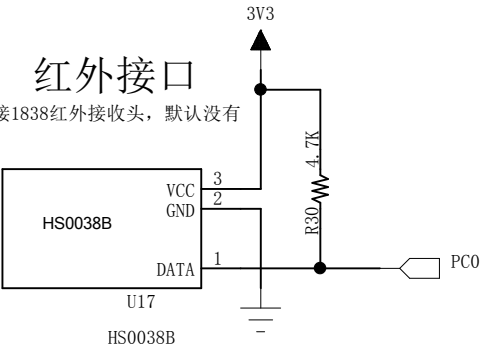
按键



J7的29-30跳帽接上，PA1接到触摸按键

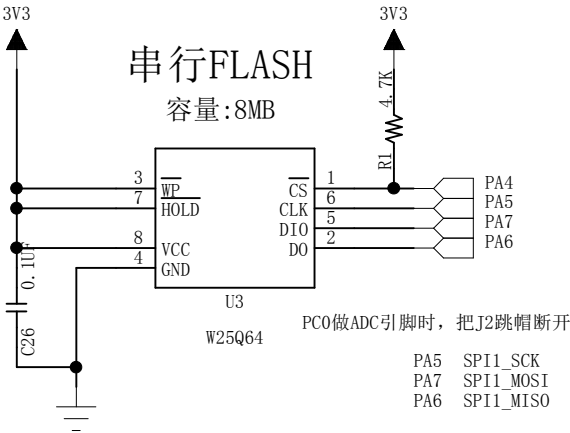
红外接口

可外接1838红外接收头，默认没有



串行FLASH

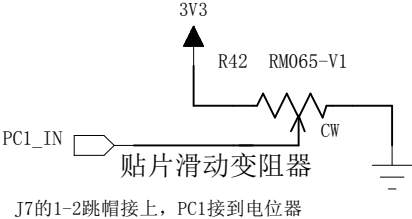
容量:8MB



PC0做ADC引脚时，把J2跳帽断开

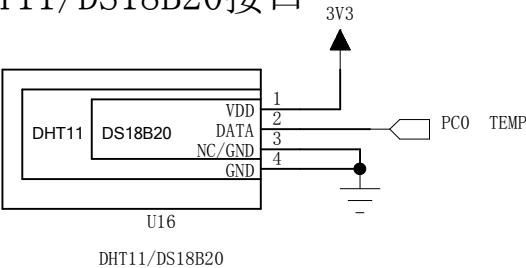
- PA5 SPI1\_SCK
- PA7 SPI1\_MOSI
- PA6 SPI1\_MISO

贴片滑动变阻器



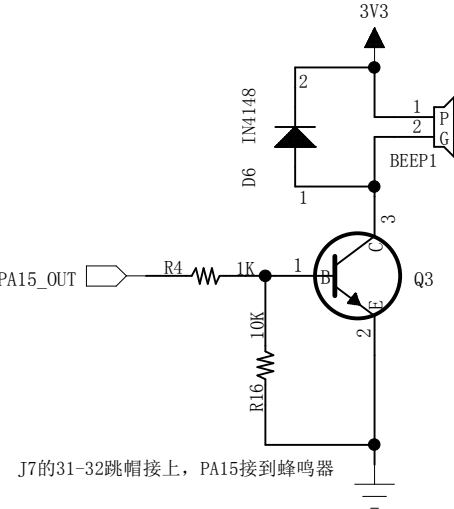
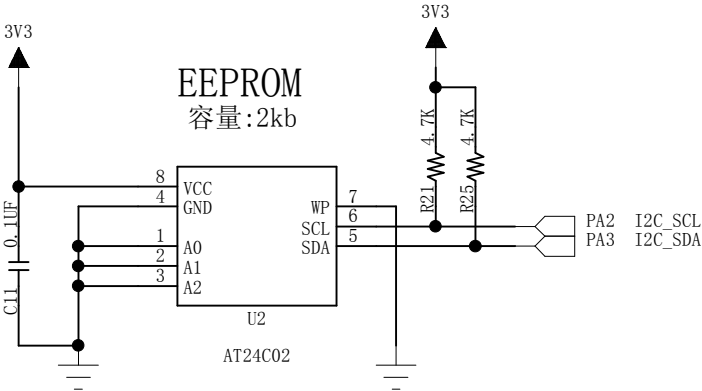
J7的1-2跳帽接上，PC1接到电位器

DHT11/DS18B20接口



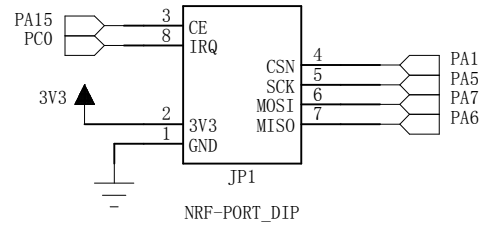
EEPROM

容量:2kb

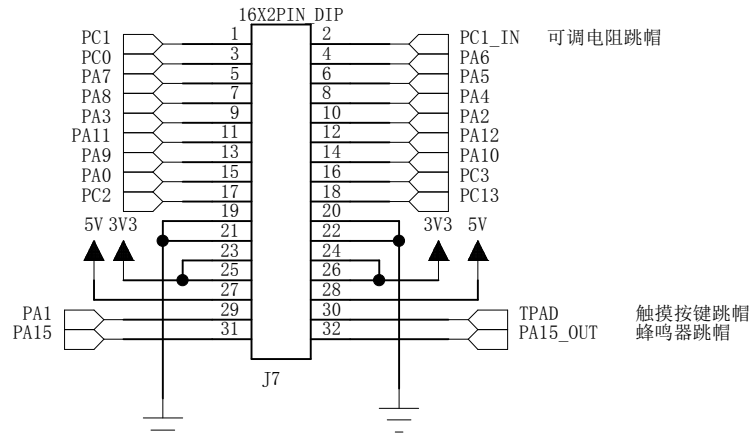


J7的31-32跳帽接上，PA15接到蜂鸣器

## NRF24L01接口

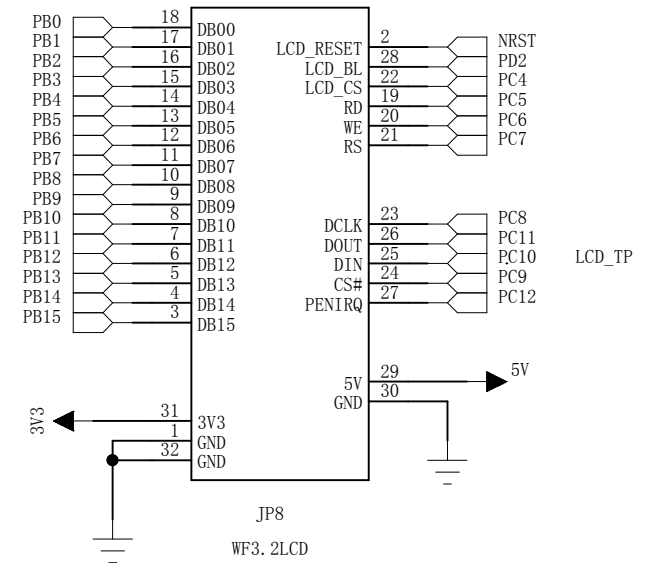


## 引出IO口及跳帽



## 液晶接口

### 支持2.8寸/3.2寸液晶



## 液晶扩展排针

