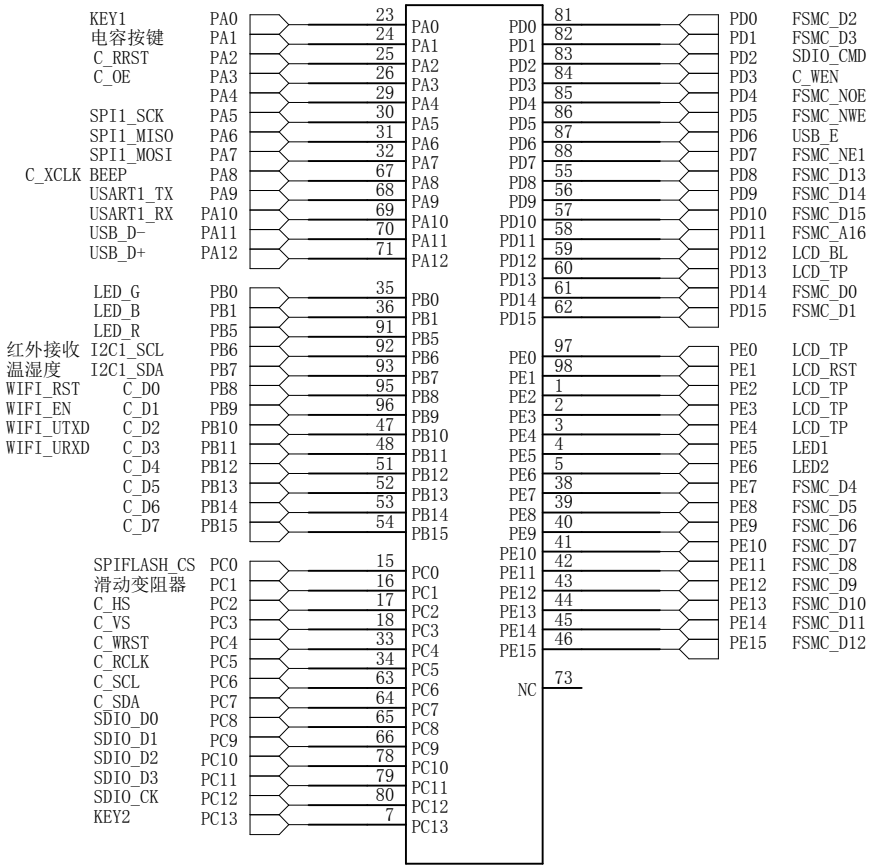
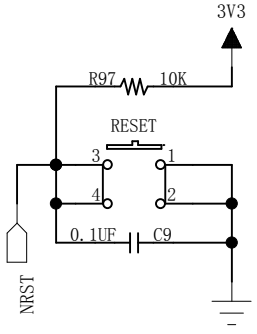
MCU_GPIO_A

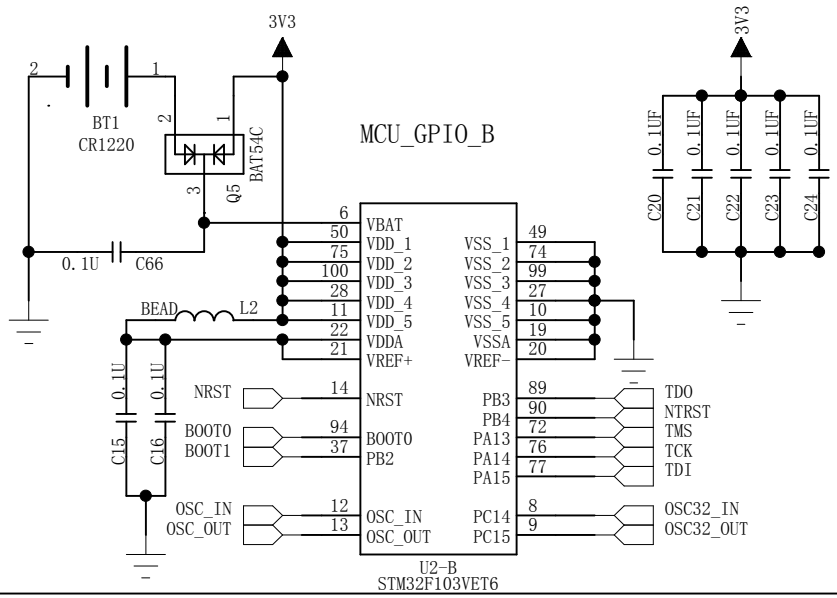
C_：表示Camera



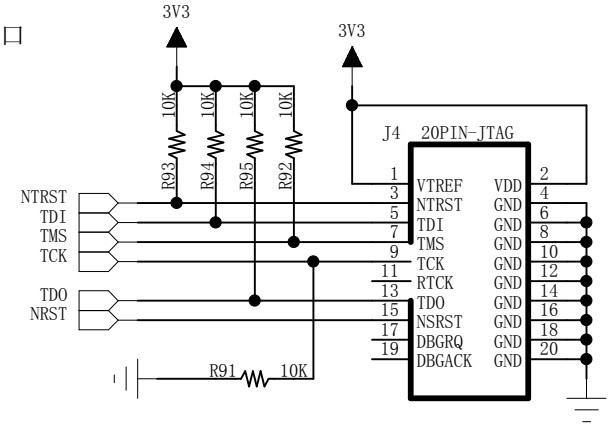
复位电路



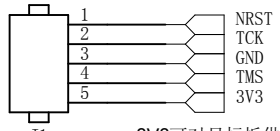
MCU_GPIO_B



JTAG下载接口

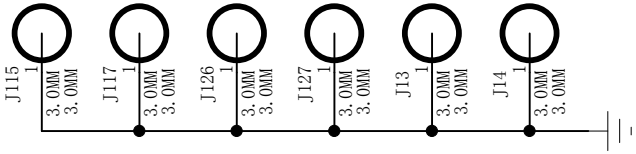


NRST 接 MCU 复位引脚 可以增加稳定性

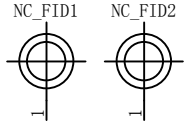


3V3可对目标板供电

3M 螺丝孔



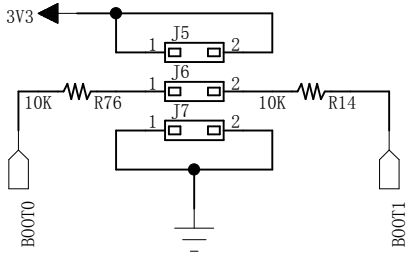
MARK 点



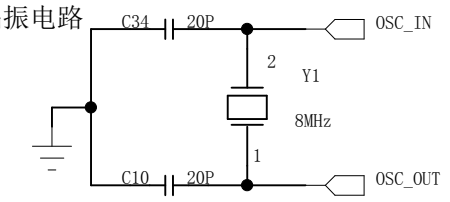
BOOT设置

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

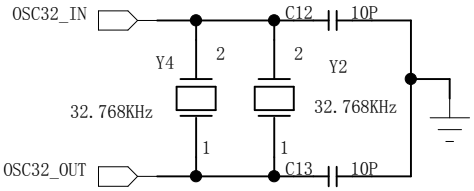
默认配置是内部FLASH，BOOT0&1接地



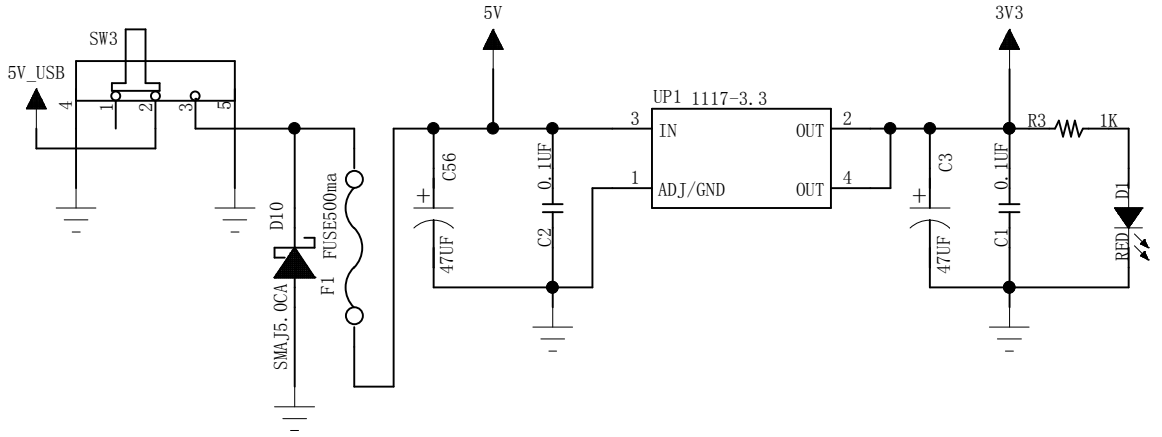
晶振电路



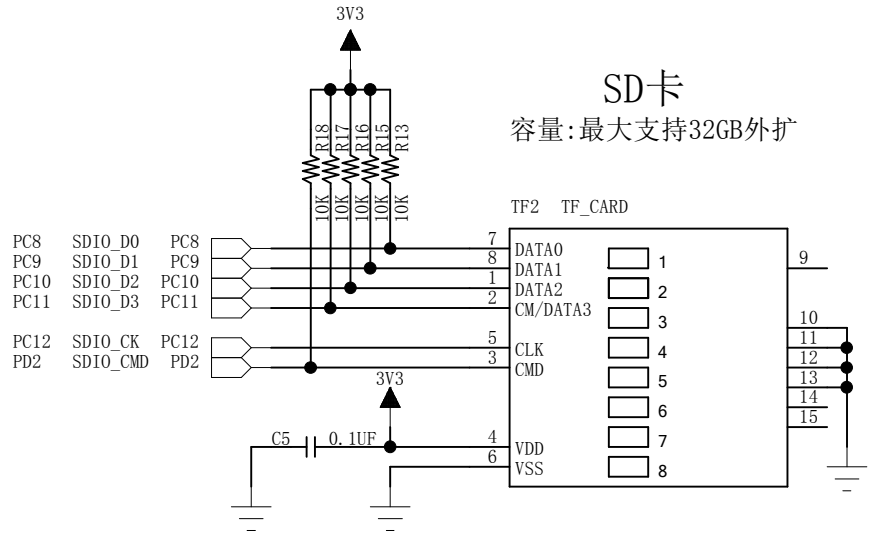
兼容两种封装，只焊接一种



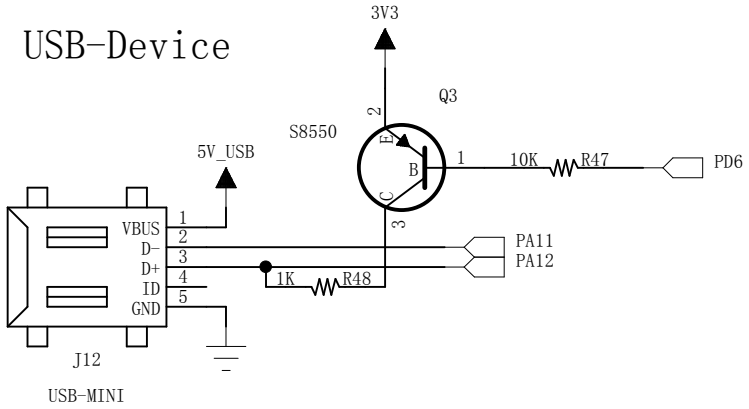
电源电路
USB-5V供电



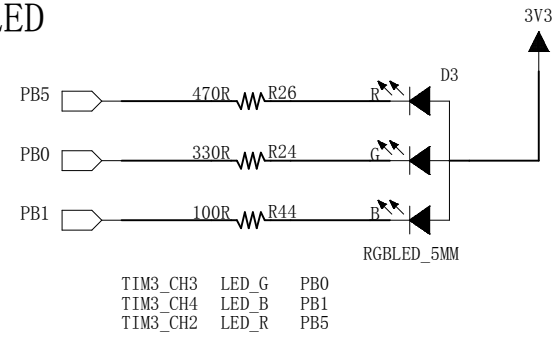
SD卡
容量:最大支持32GB外扩



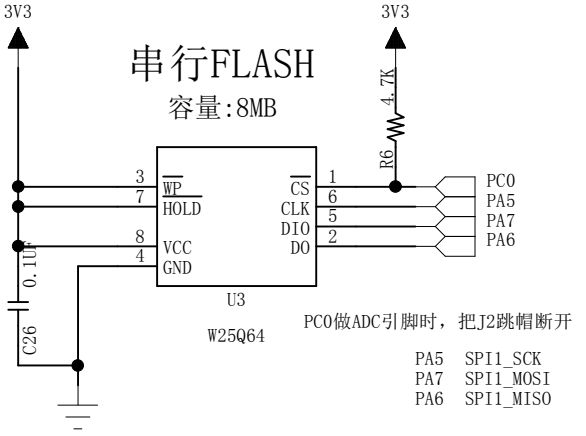
USB-Device

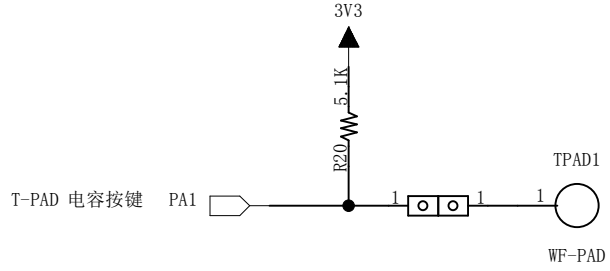


LED



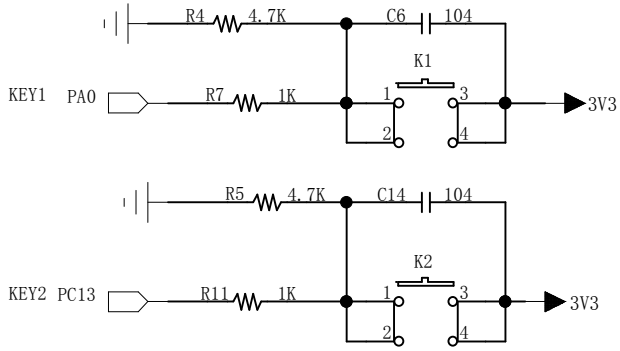
串行FLASH
容量:8MB



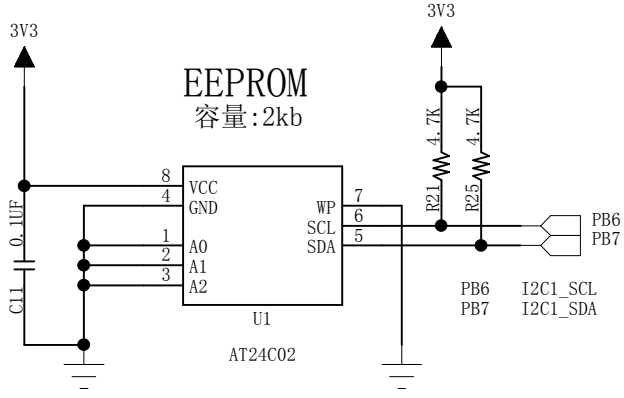


电容按键
程序上用的是ADC的捕获功能

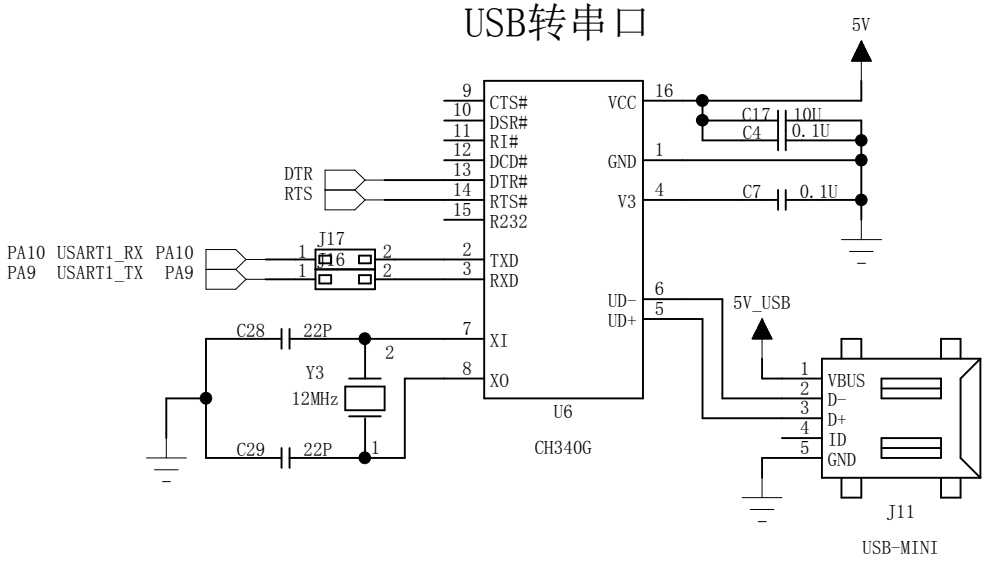
按键



EEPROM
容量:2kb

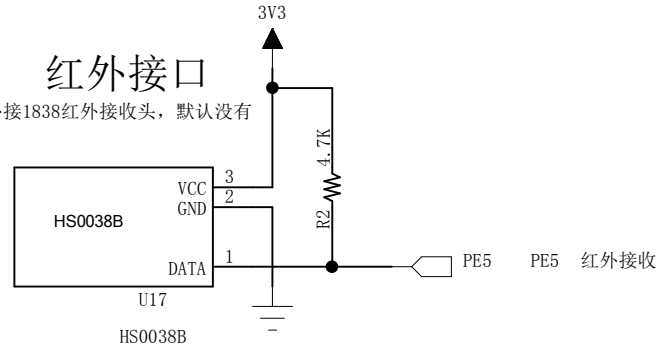


USB转串口

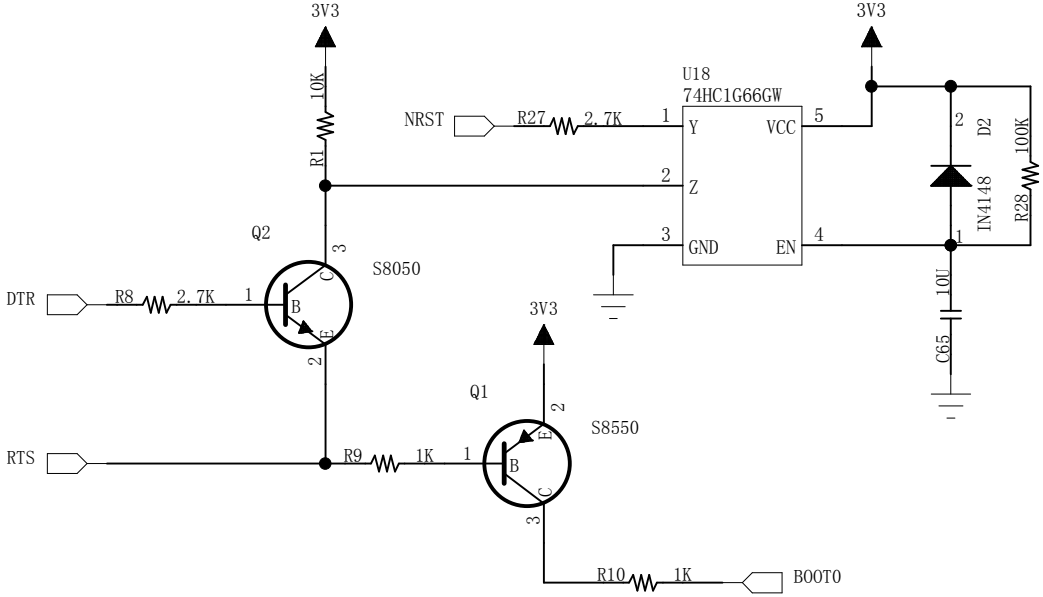


红外接口

可外接1838红外接收头，默认没有

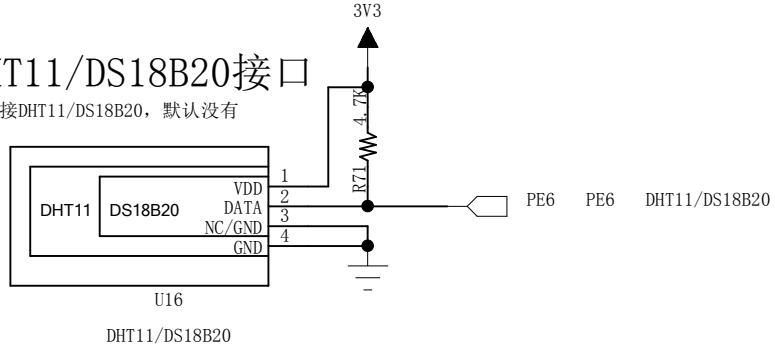


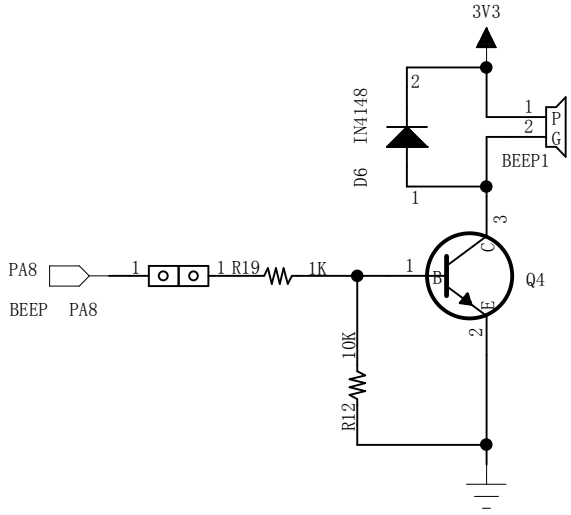
ISP一键下载电路



DHT11/DS18B20接口

可外接DHT11/DS18B20，默认没有



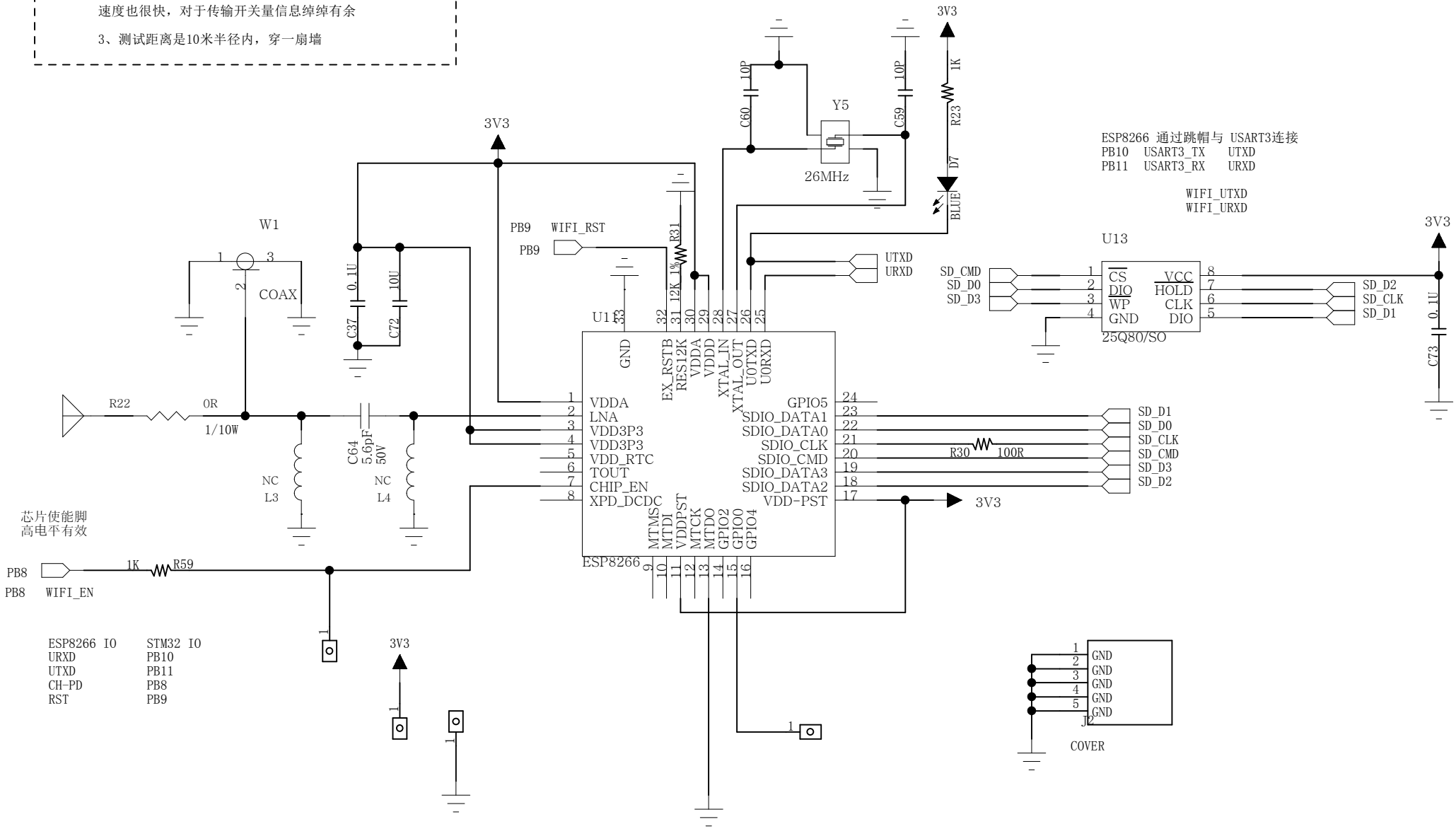


WIFI　　ESP8266方案　　串口透传

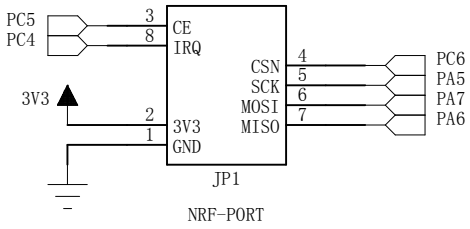
注意

1、ESP8266 定位于物联网，主要用于传输小数据量
比如一些温湿度信息，或者其他一些传感器的开关量
不能用于传输图像音频视频等大数据量的文件
2、我们测试每次传输200字节非常稳定，不丢包
速度也很快，对于传输开关量信息绰绰有余

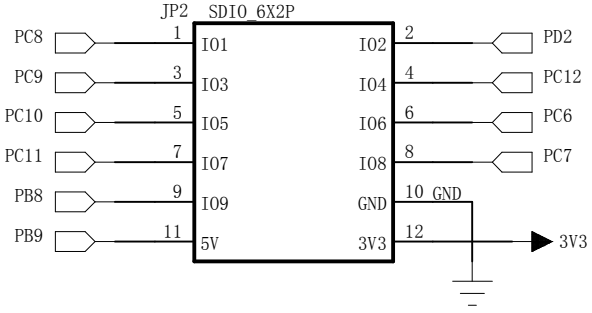
3、测试距离是10米半径内，穿一扇墙



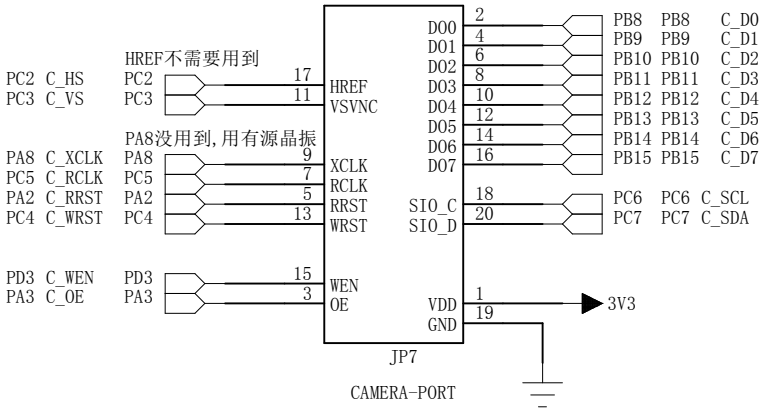
NRF24L01接口



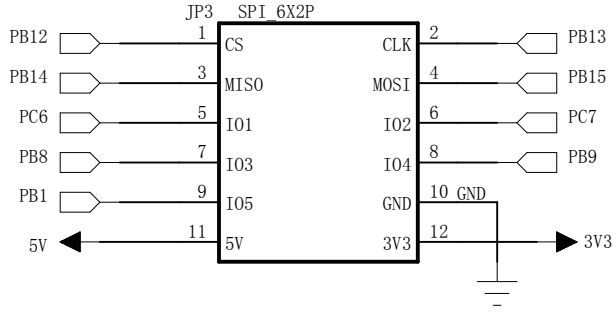
SDIO接口



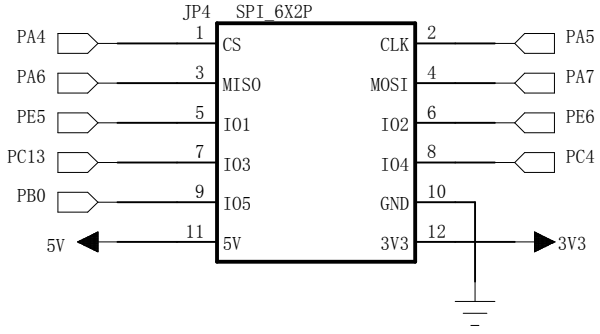
摄像头接口



SPI2/I2S接口

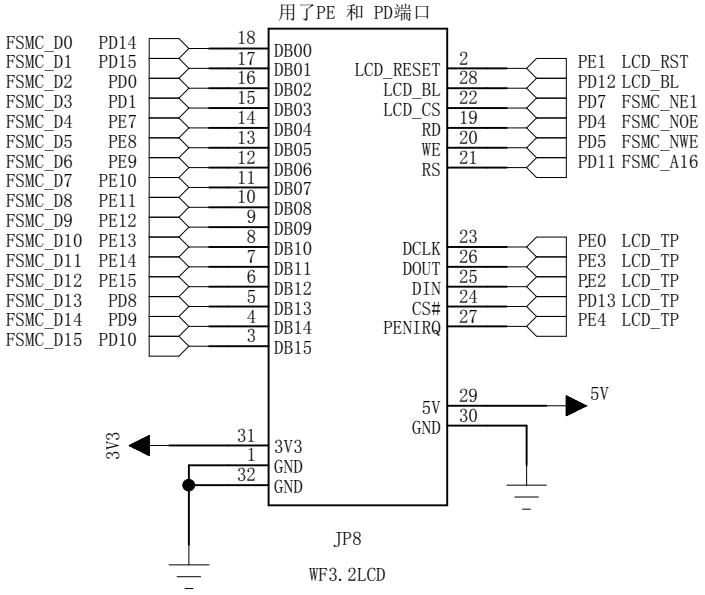


SPI1接口

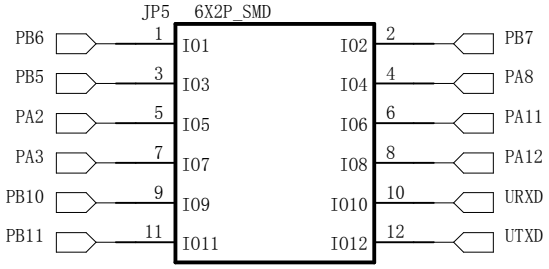


液晶接口

支持3.2寸/5寸液晶



I2C1/2-USART2/3



URXD UTXD 是 WIFI 的接口
PB10：USART3_TXD
PB11：USART3_RXD
默认情况下，9 10 11 12 用跳帽短接

ADC接口

J3 J8 J9 J10组合成一个 2x4P 的排针