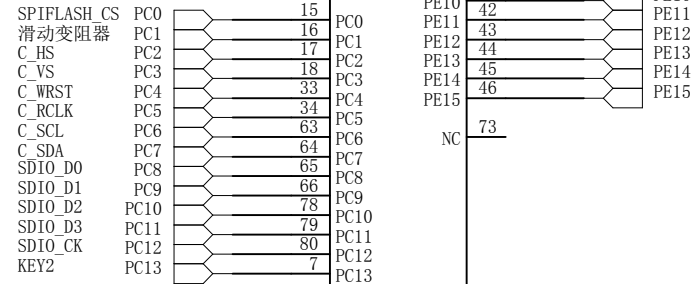
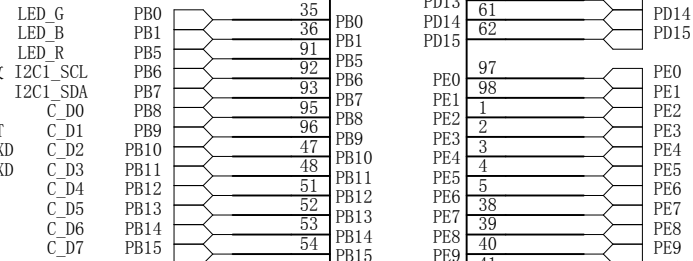
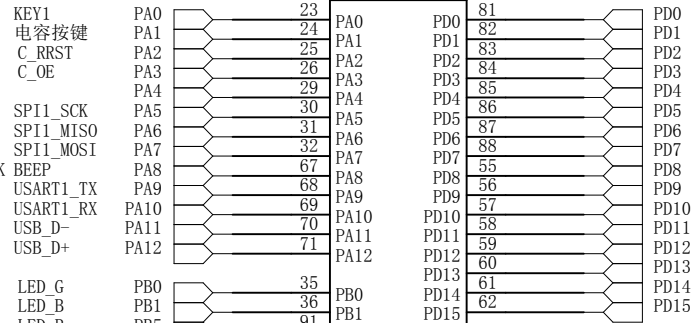


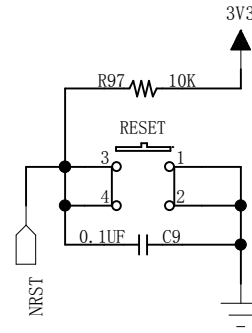
MCU_GPIO_A

C_：表示Camera

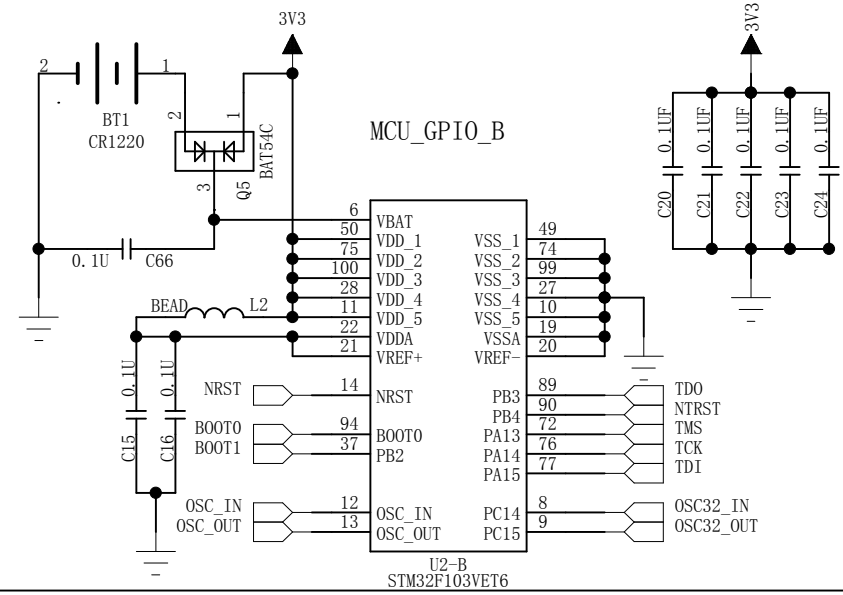


U2-A
STM32F103VET6

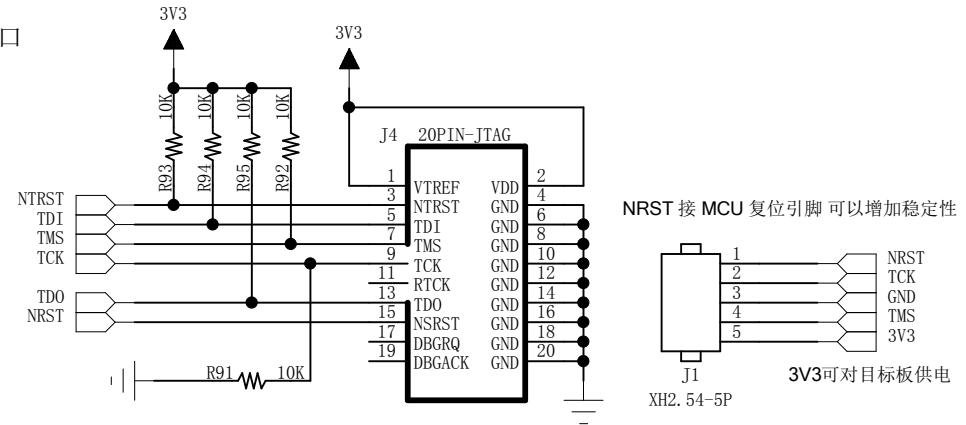
复位电路



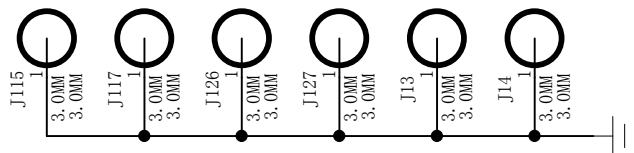
MCU_GPIO_B



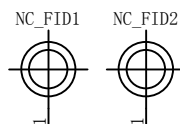
JTAG下载接口



3M 螺丝孔



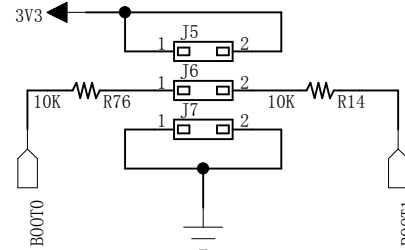
MARK 点



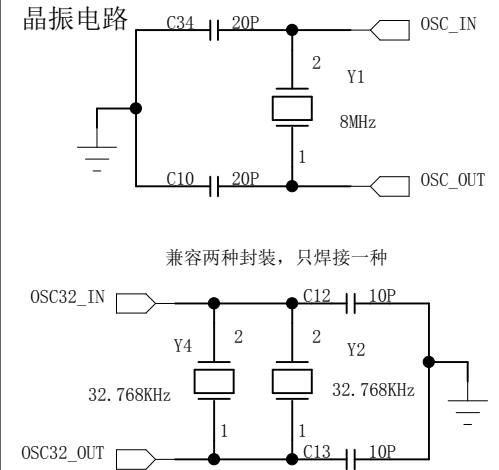
BOOT设置

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



SD卡
容量:最大支持32GB外扩

TF2 TF_CARD

PC8 SDIO_D0 PC8
PC9 SDIO_D1 PC9
PC10 SDIO_D2 PC10
PC11 SDIO_D3 PC11

PC12 SDIO_CLK PC12
PD2 SDIO_CMD PD2

3V3

C5 0.1UF

DATA0
DATA1
DATA2
CM/DATA3
CLK
CMD
VDD
VSS

1
2
3
4
5
6
7
8

9
10
11
12
13
14
15

串行FLASH
容量:8MB

3V3

0.1uF

C26

U3
W25Q64

3 7 8 4 1 6 5 2

WP HOLD VCC GND CS CLK DIO DO

4.7K

R6

PC0
PA5
PA7
PA6

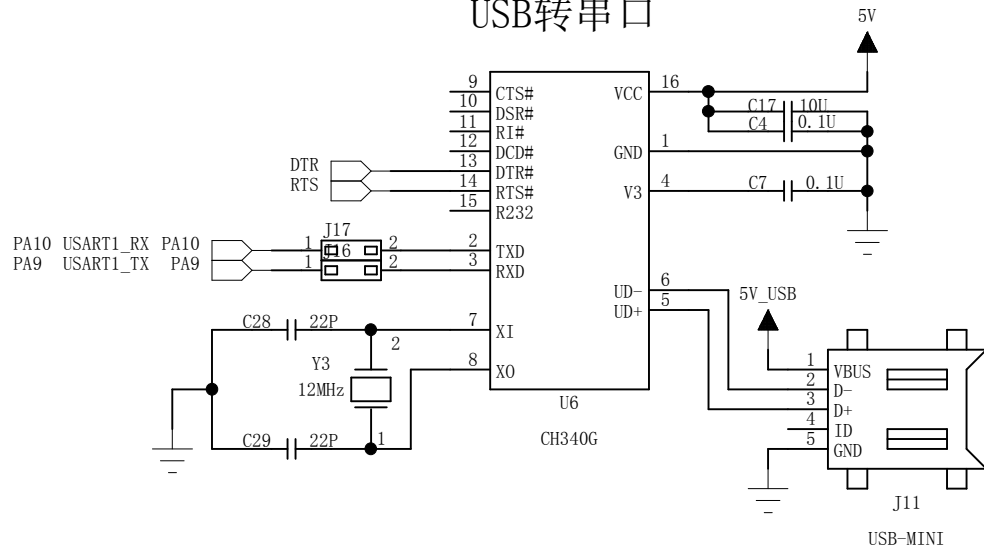
PC0做ADC引脚时，把J2跳帽断开

PA5 SPI1_SCK
PA7 SPI1_MOSI
PA6 SPI1_MISO

The diagram shows an AT24C02 EEPROM (U1) with the following connections:

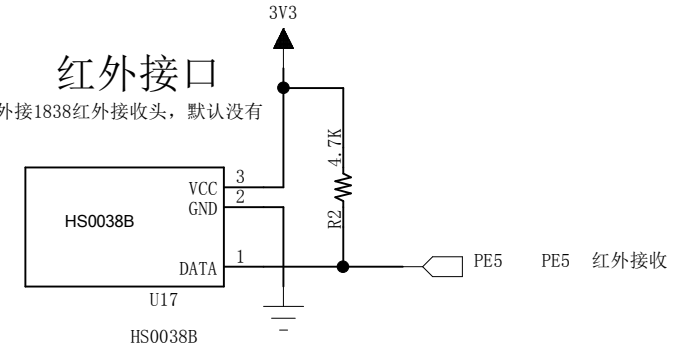
- VCC (Pin 8):** Connected to a 3V3 supply through a 0.1uF capacitor (C11).
- GND (Pin 4):** Connected to ground.
- Address Pins (A0, A1, A2):** Pins 1, 2, and 3 are connected to ground.
- Control Pins (WP, SCL, SDA):** Pins 7, 6, and 5 are connected to the I2C bus lines PB6, PB7, and PB7 respectively.
- Resistors:** Two 4.7k resistors (R21 and R25) are connected between the 3V3 supply and the I2C bus lines PB6 and PB7.

USB转串口

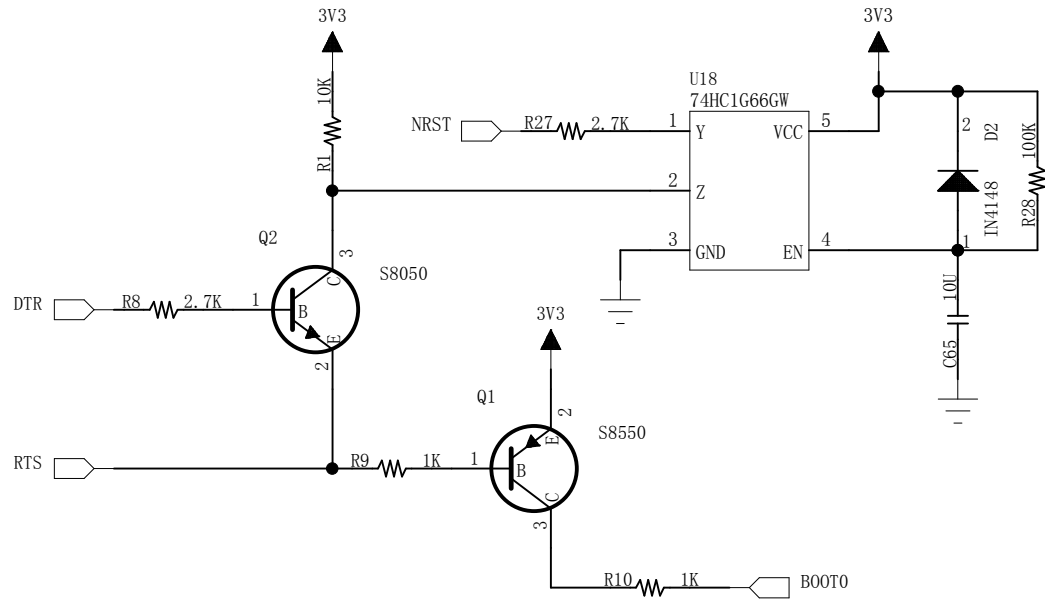


红外接口

可外接1838红外接收头，默认没有

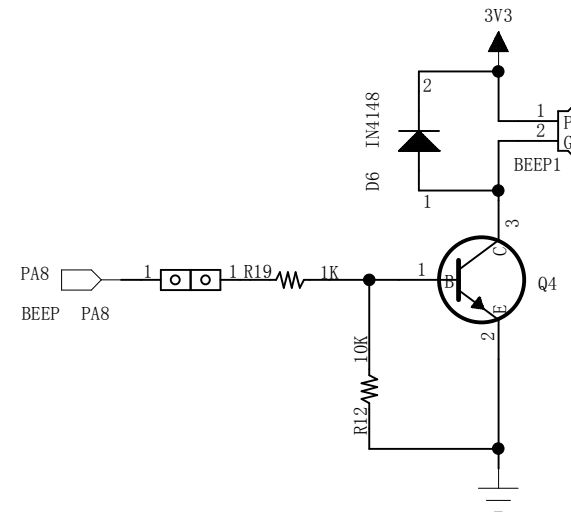
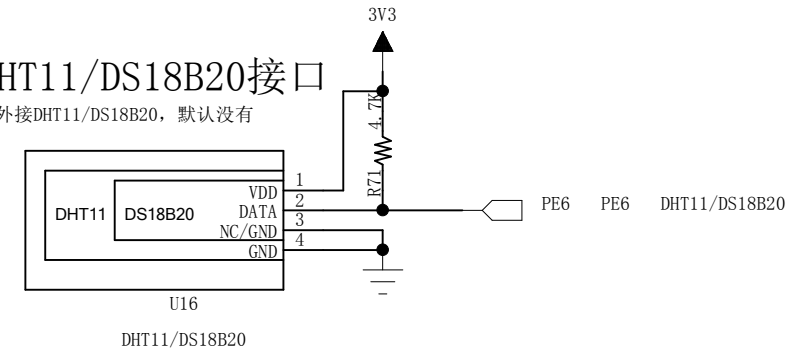


ISP一键下载电路



DHT11/DS18B20接口

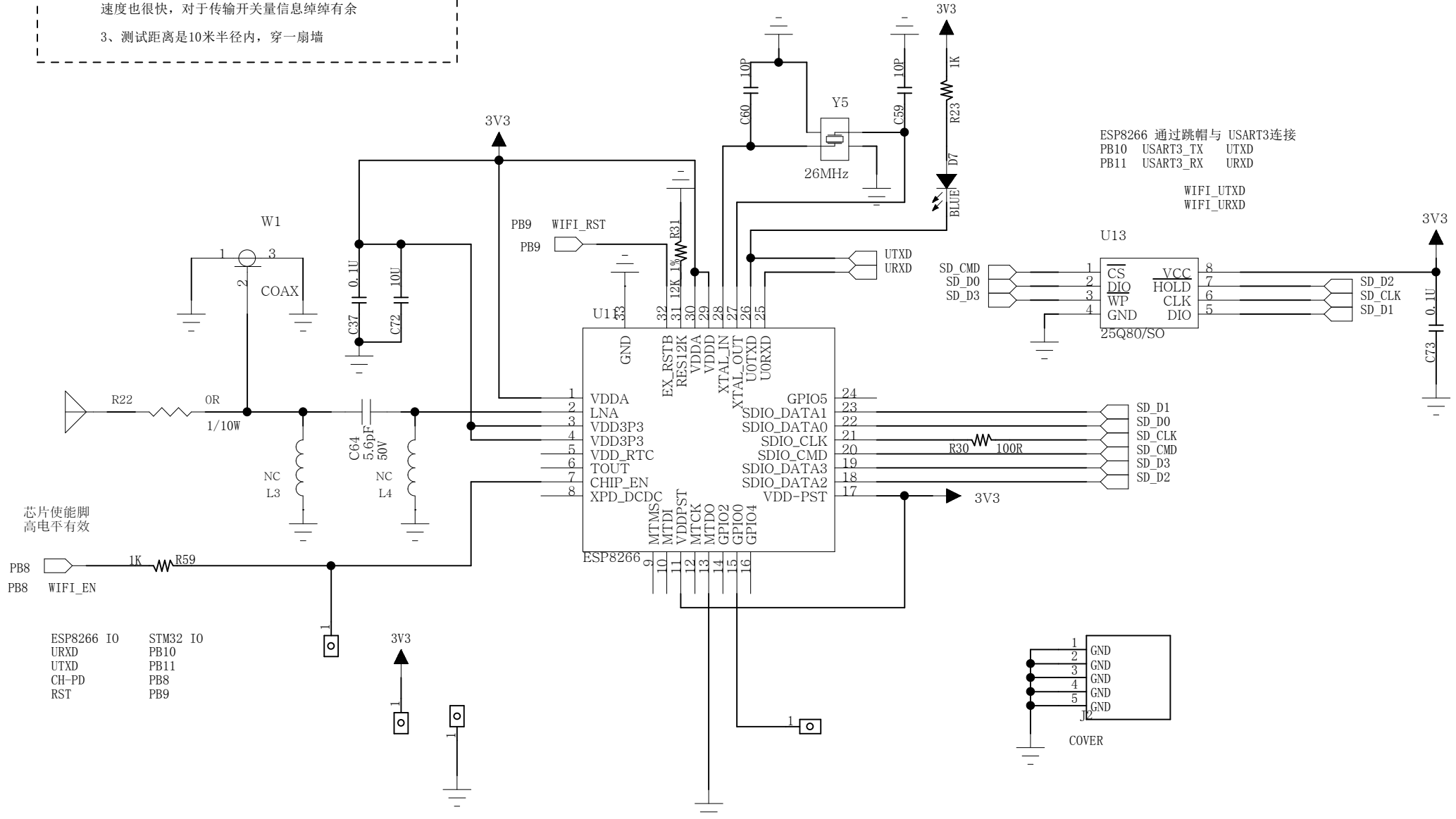
可外接DHT11/DS18B20，默认没有



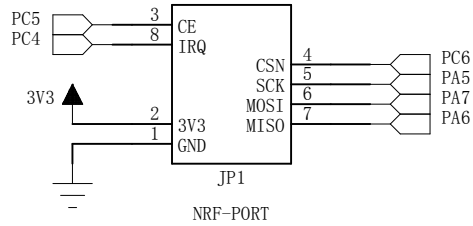
WIFI ESP8266方案 串口透传

注意

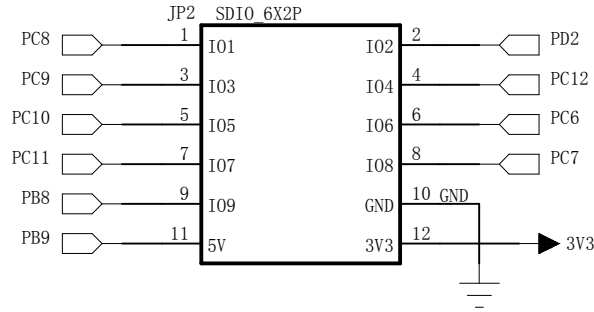
- 1、ESP8266 定位于物联网，主要用于传输小数据量
比如一些温湿度信息，或者其他一些传感器的开关量
不能用于传输图像音频视频等大数据量的文件
- 2、我们测试每次传输200字节非常稳定，不丢包
速度也很快，对于传输开关量信息绰绰有余
- 3、测试距离是10米半径内，穿一扇墙



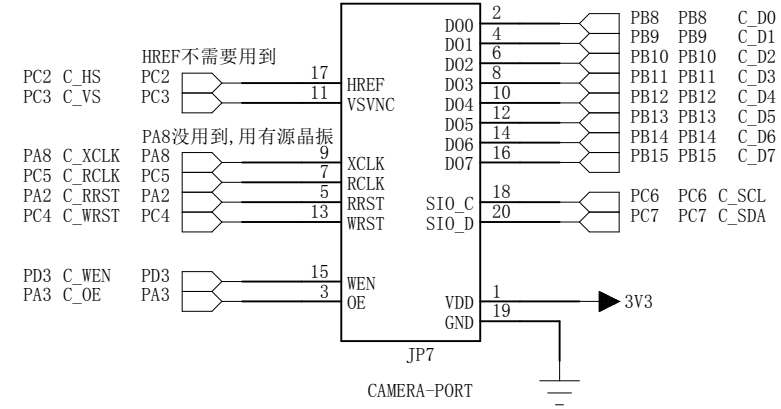
NRF24L01接口



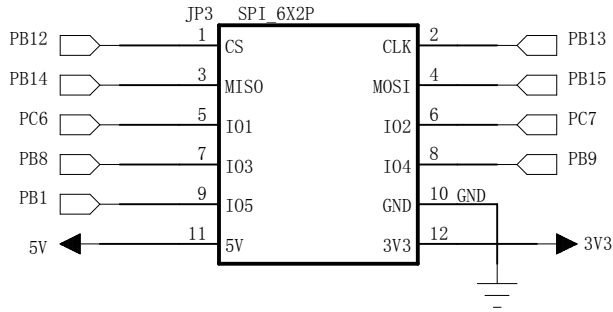
SDIO接口



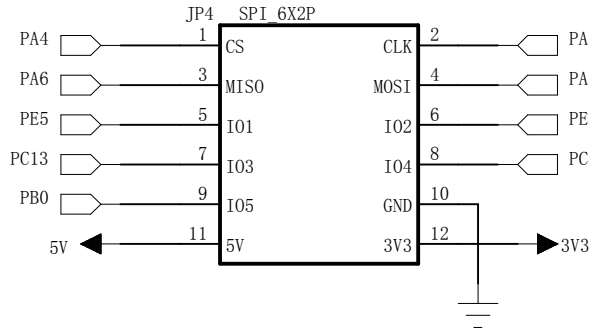
摄像头接口



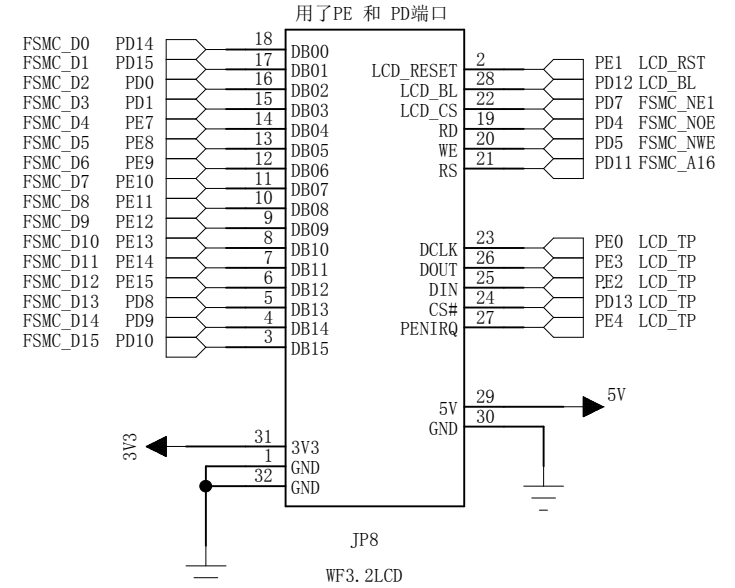
SPI2/I2S接口



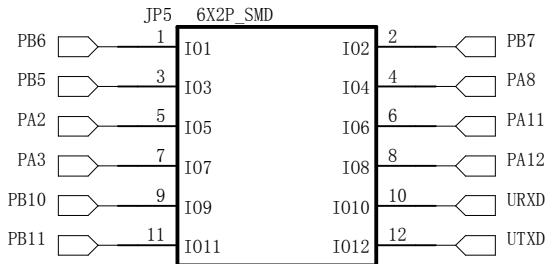
SPI1接口



液晶接口

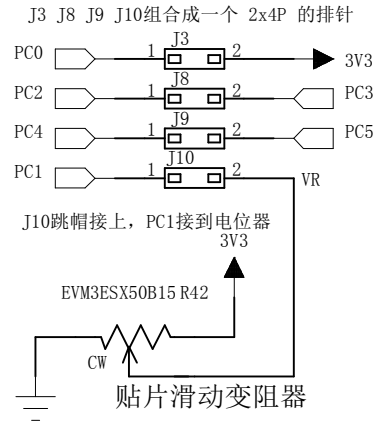


I2C1/2-USART2/3



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



J10跳帽接上, PC1接到电位器
EVM3ESX50B15 R42
贴片滑动变阻器