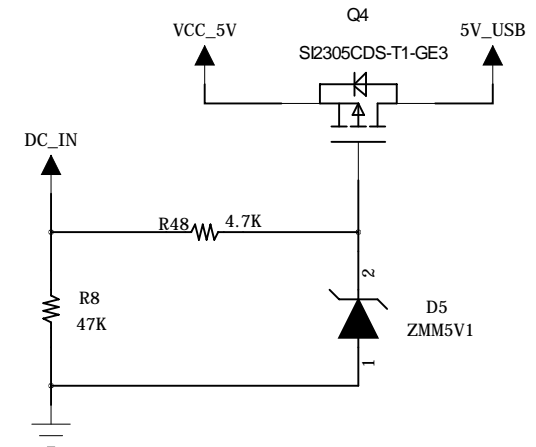
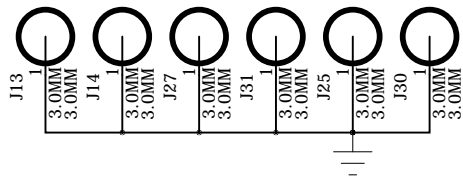
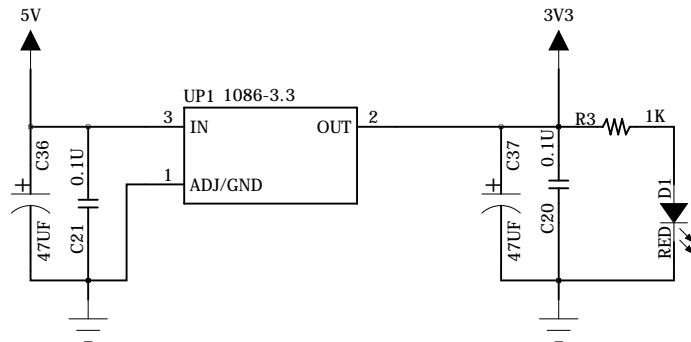
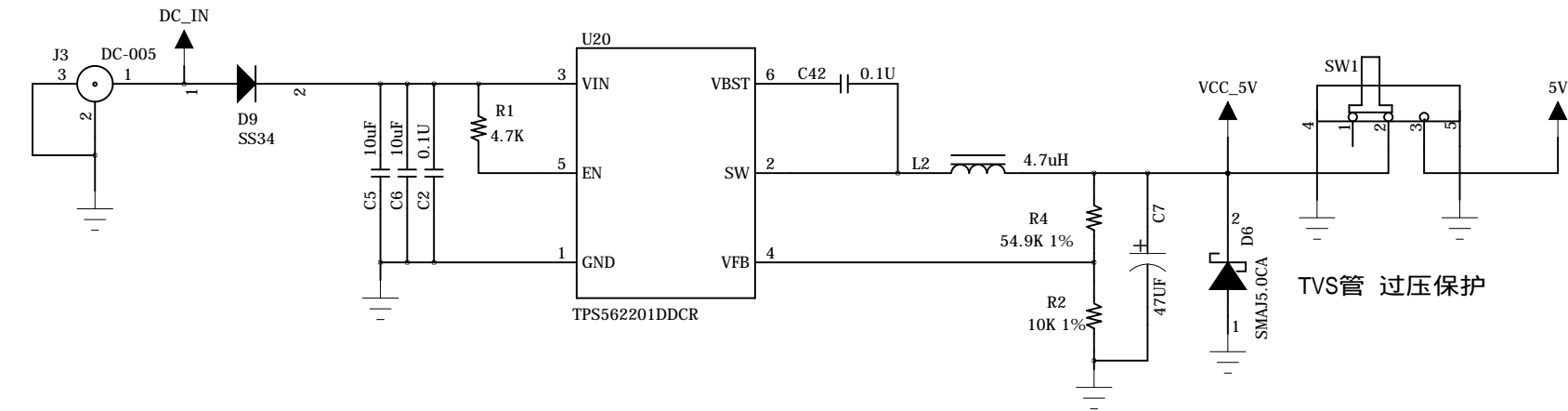


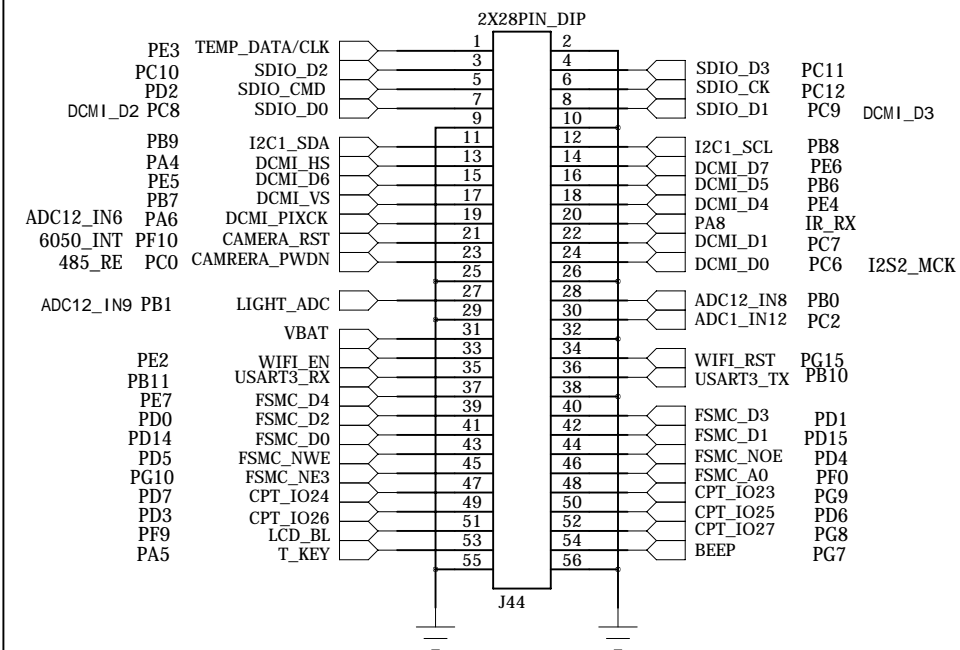
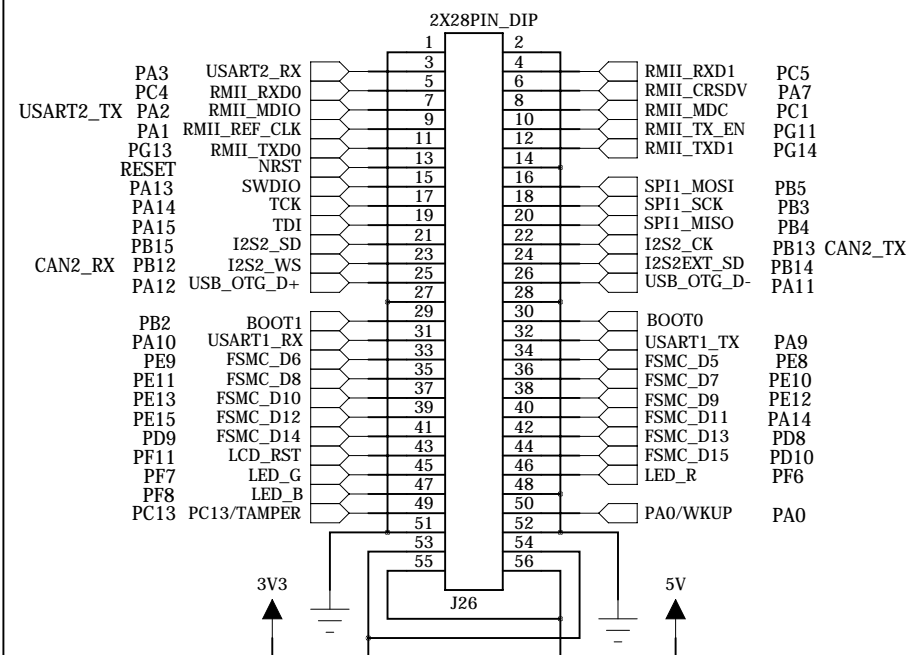
电源供电

DC DC + LDO 方案

DC IN : 6V~12V



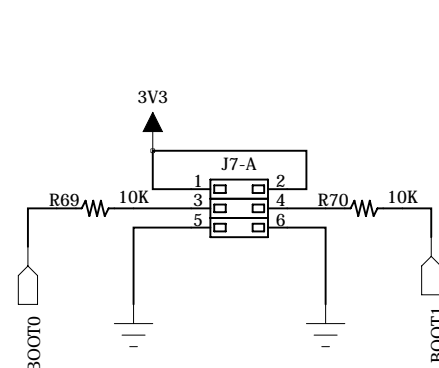
外部电源供电时断开USB供电，防止灌电流，保护电脑USB口



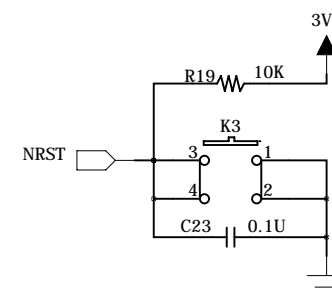
F407 BOOT设置

BOOT0	BOOT1	启动方式
0	x	用户闪存
1	0	系统存储器/ISP
1	1	内嵌SRAM

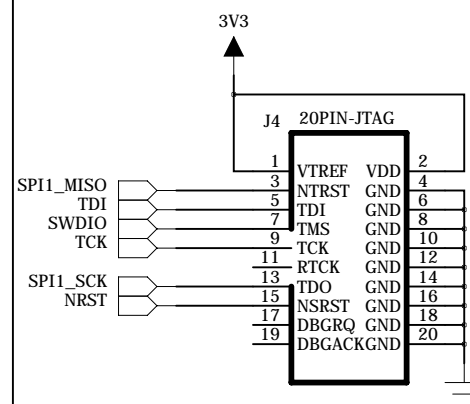
默认配置是用户闪存（即内部Flash）



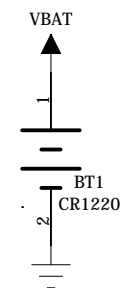
复位



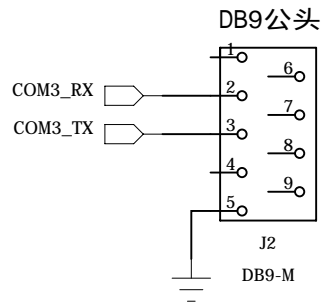
下载



RTC_BAT

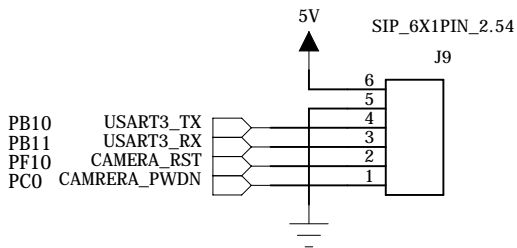


COM3

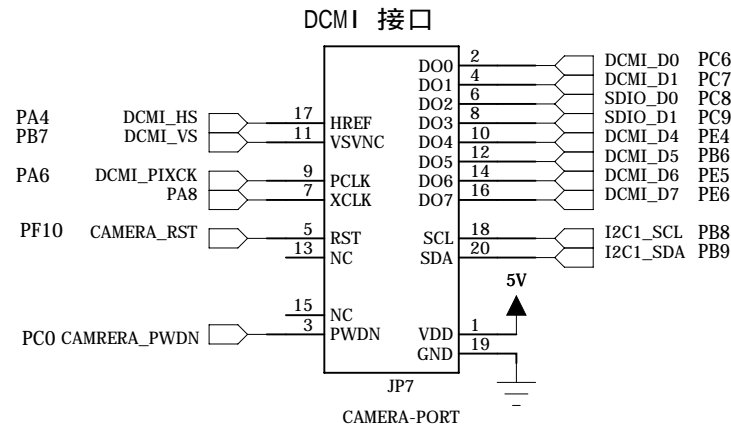


标准公头，跟PC连接需要母头——母头交叉线
跟开发板的COM2母头相连用公头——母头直连线

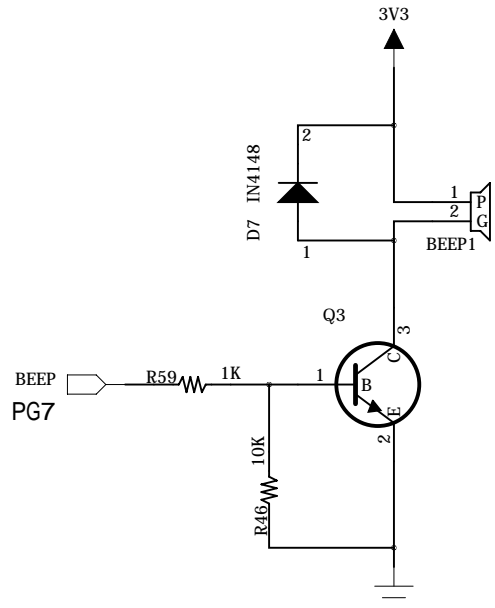
GPS/BT接口



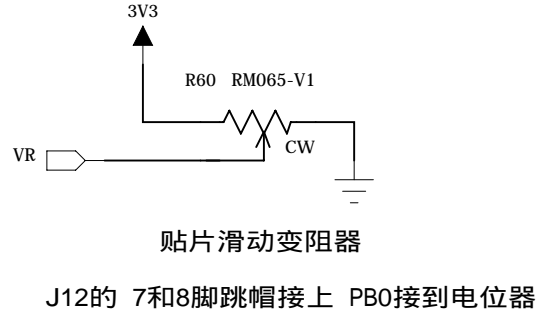
摄像头接口



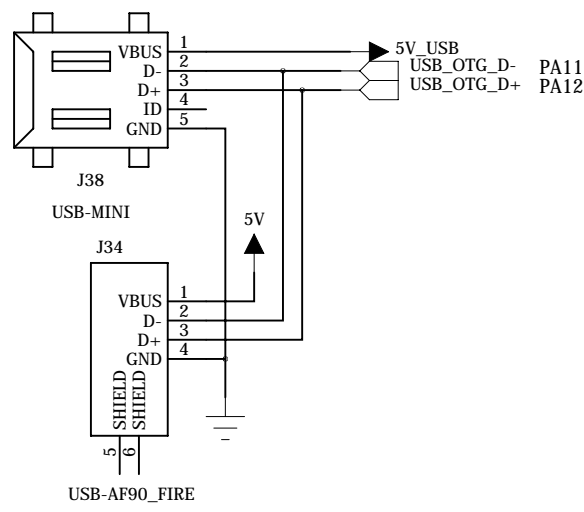
蜂鸣器



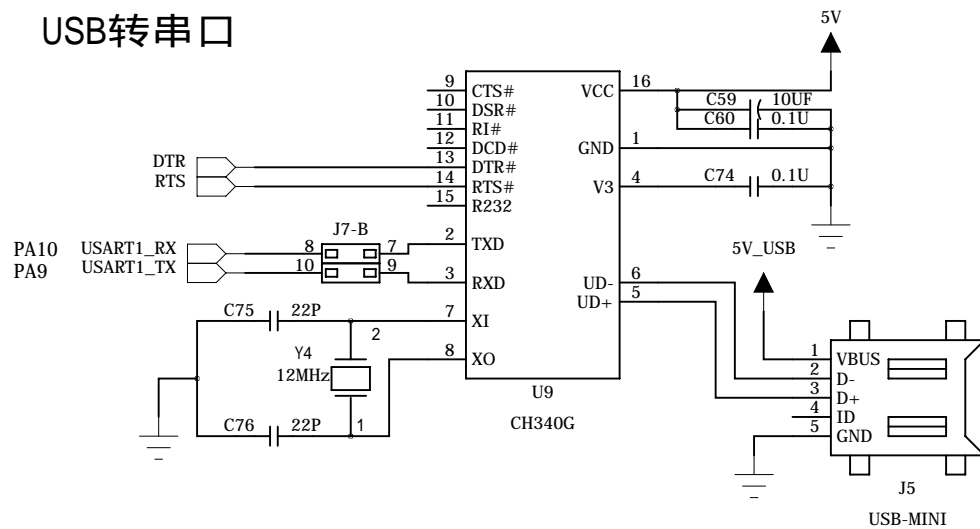
ADC接口



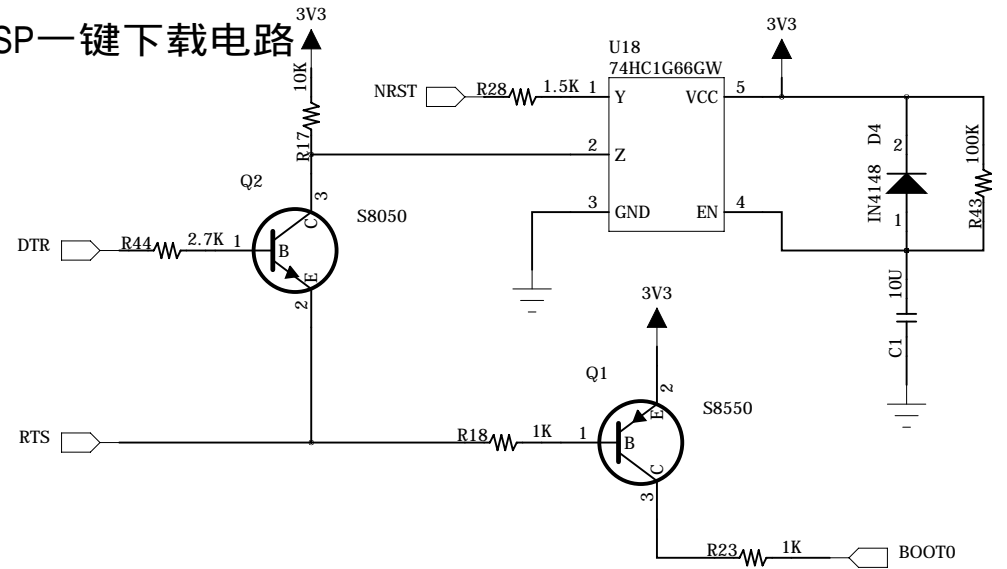
USB-OTG-HS



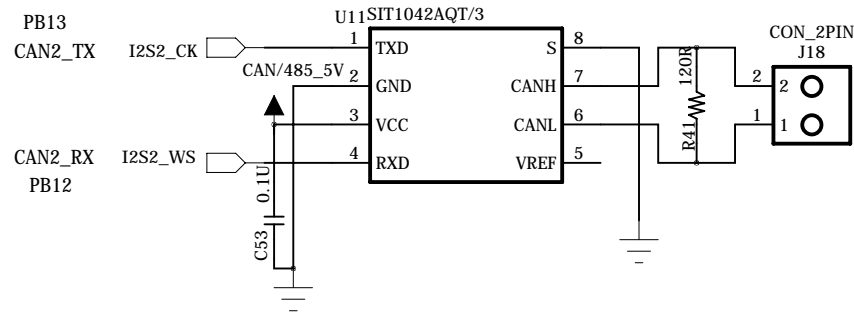
USB转串口



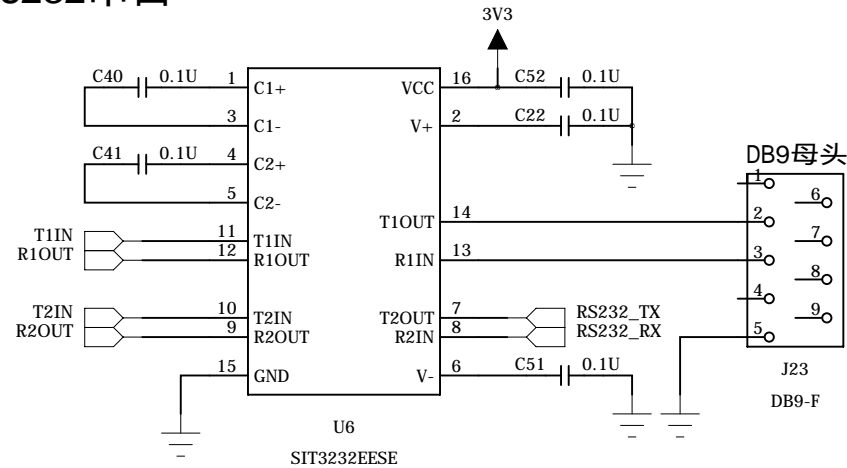
ISP一键下载电路



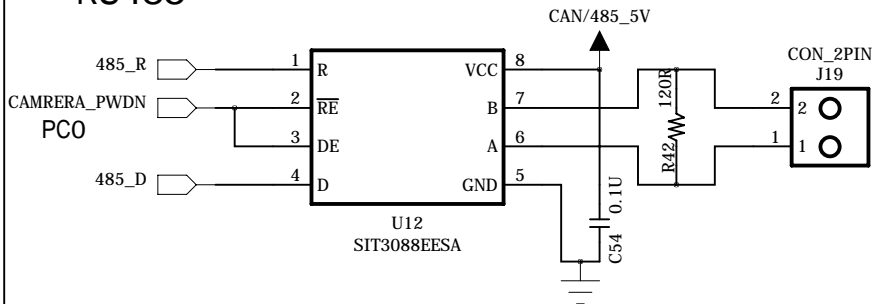
CAN



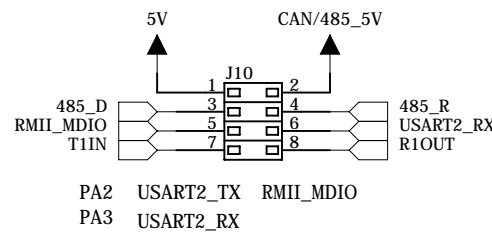
RS232串口



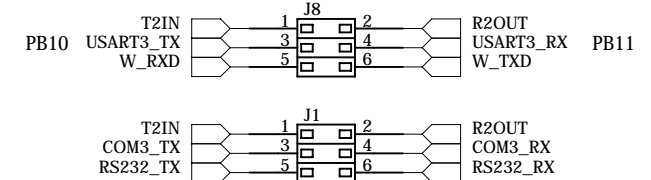
RS485



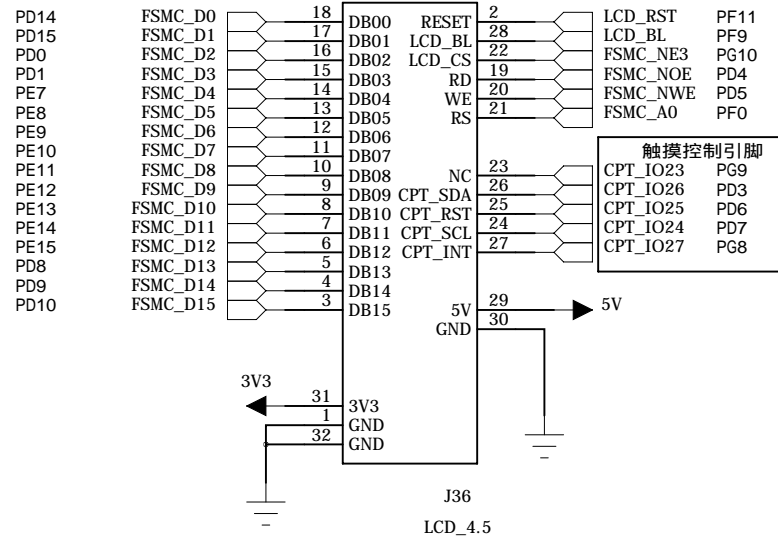
CAN和485的电源由J10 1和2脚的调幅控制，默认不接
USART2通过跳帽选择连接到232或者485
235和485只能选其一不能同时使用



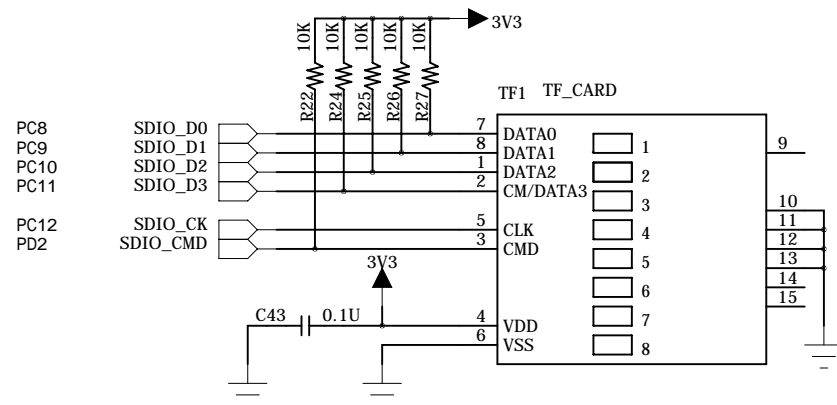
PB10 和 PB11 用于WIFI和COM3，但不能同时使用
默认接到WIFI



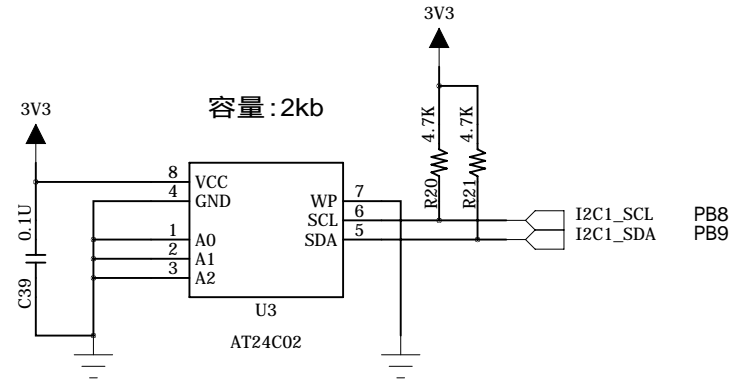
4.5寸液晶 FSMC接口



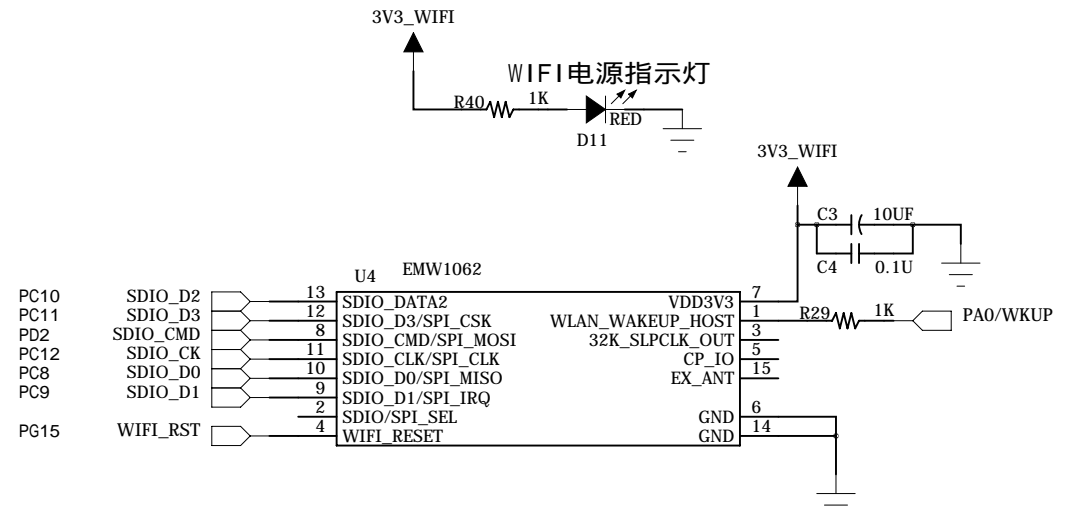
SD卡



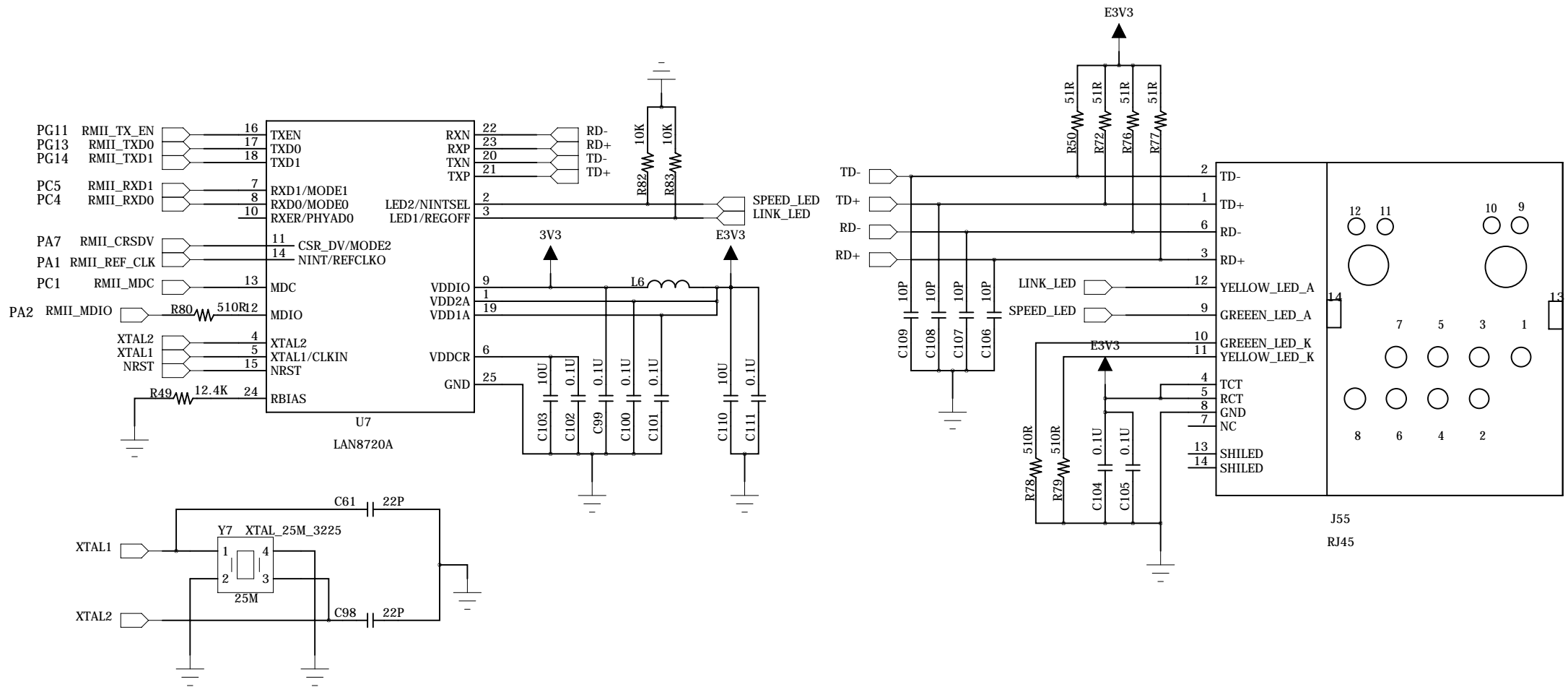
EEPROM



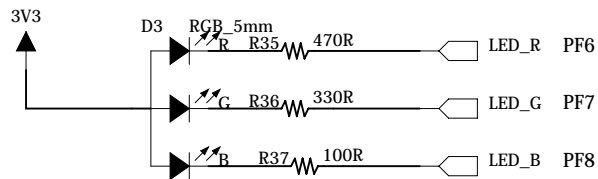
SDIO WIFI



网络接口



LED

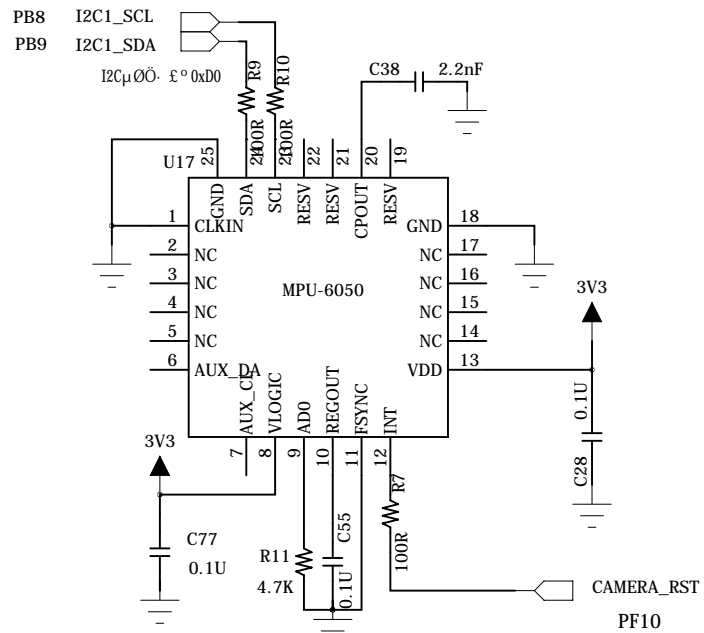


PF6 TIM10_CH1

PF7 TIM12_CH1

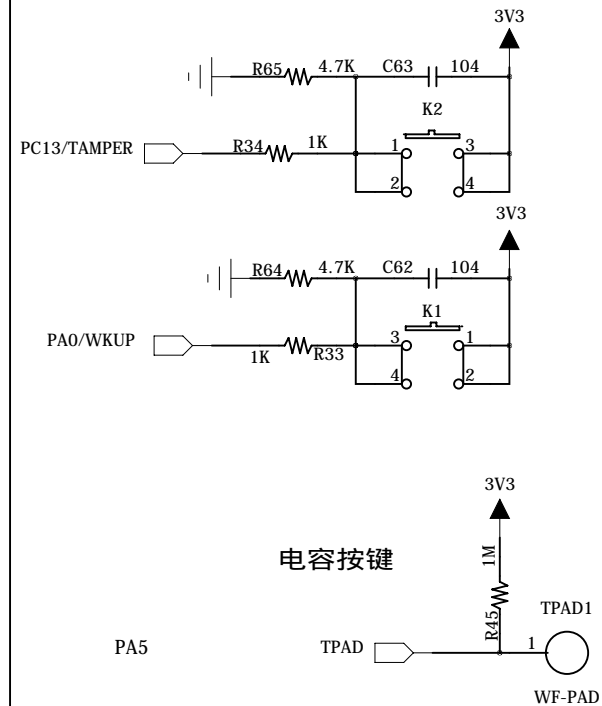
PF8 TIM13_CH1

六轴传感器

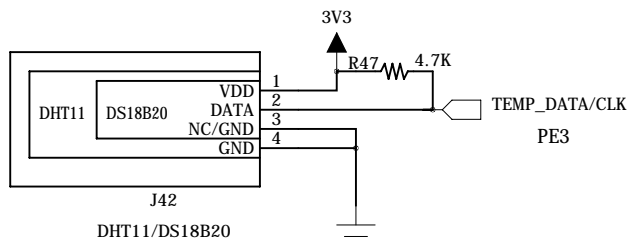


KEY

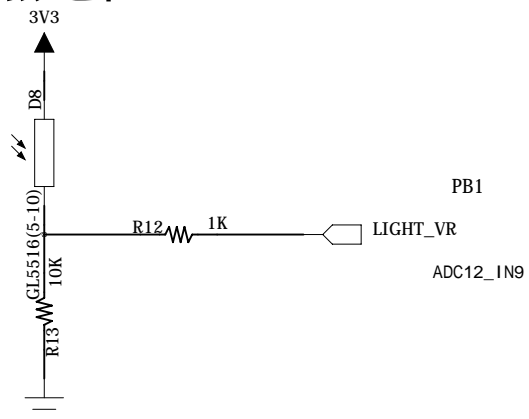
按键设计上是上升沿中断的



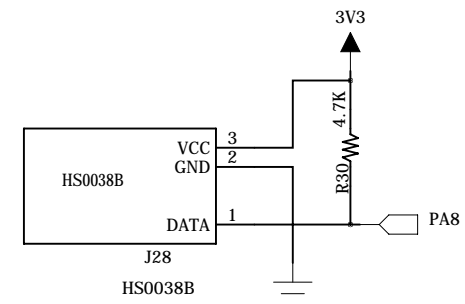
温湿度传感器接口



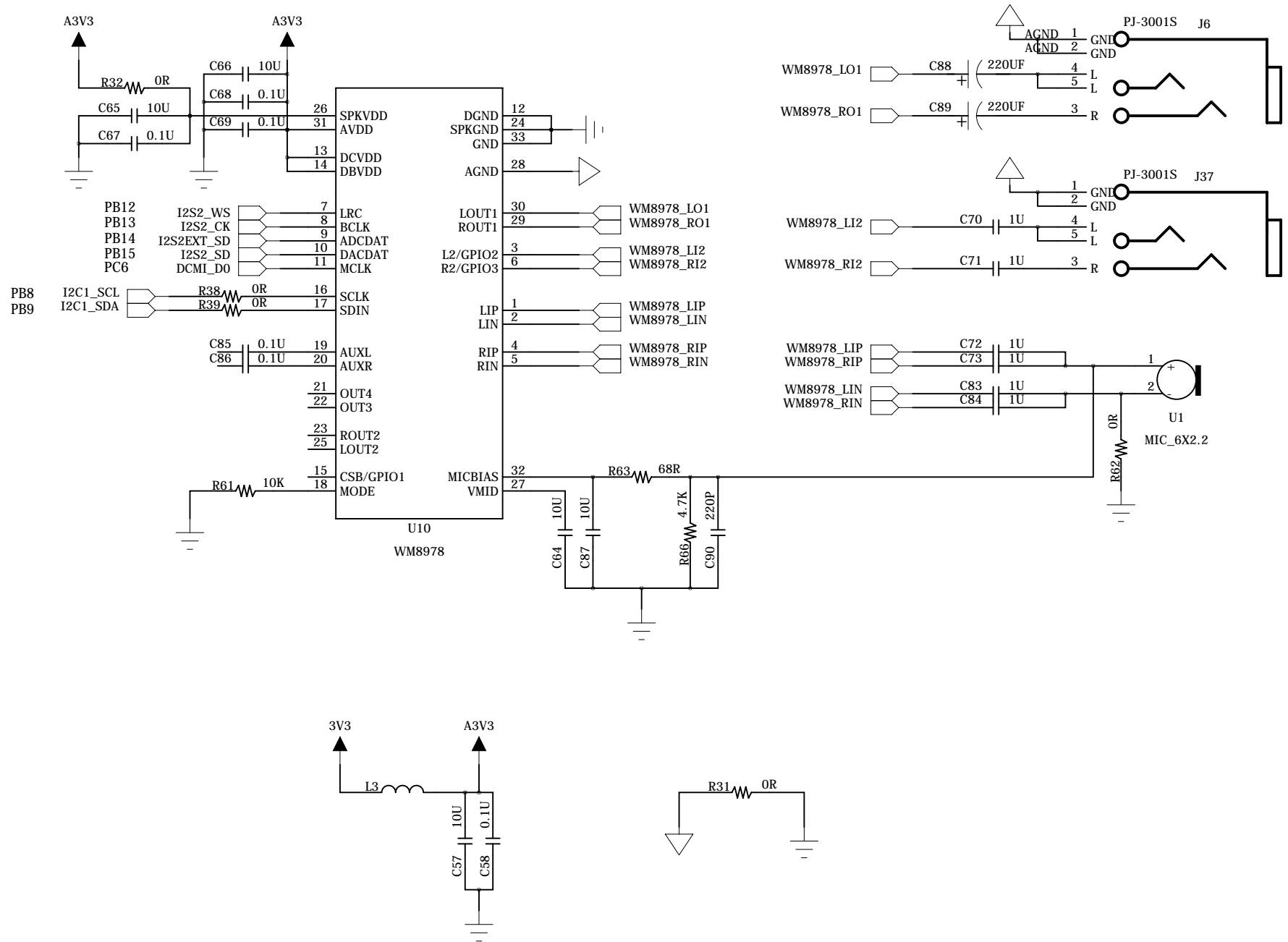
光照电阻



红外接收接口



I2S音频DAC



串口WIFI模块

