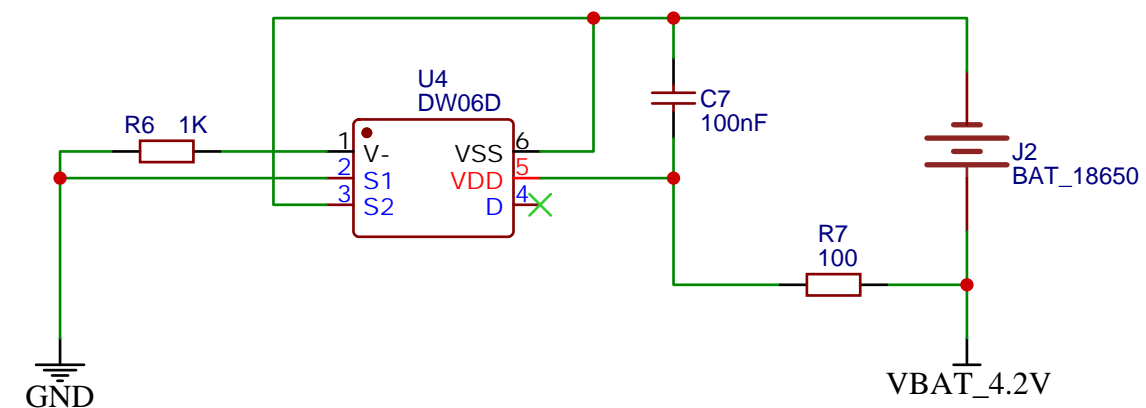
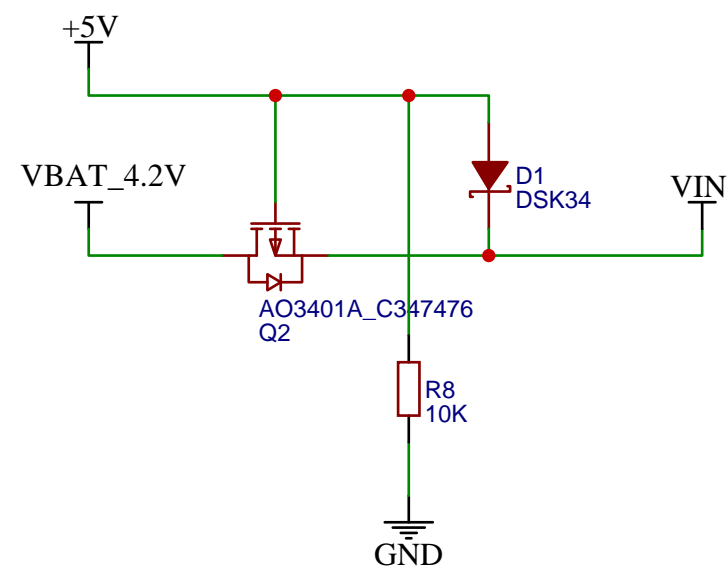


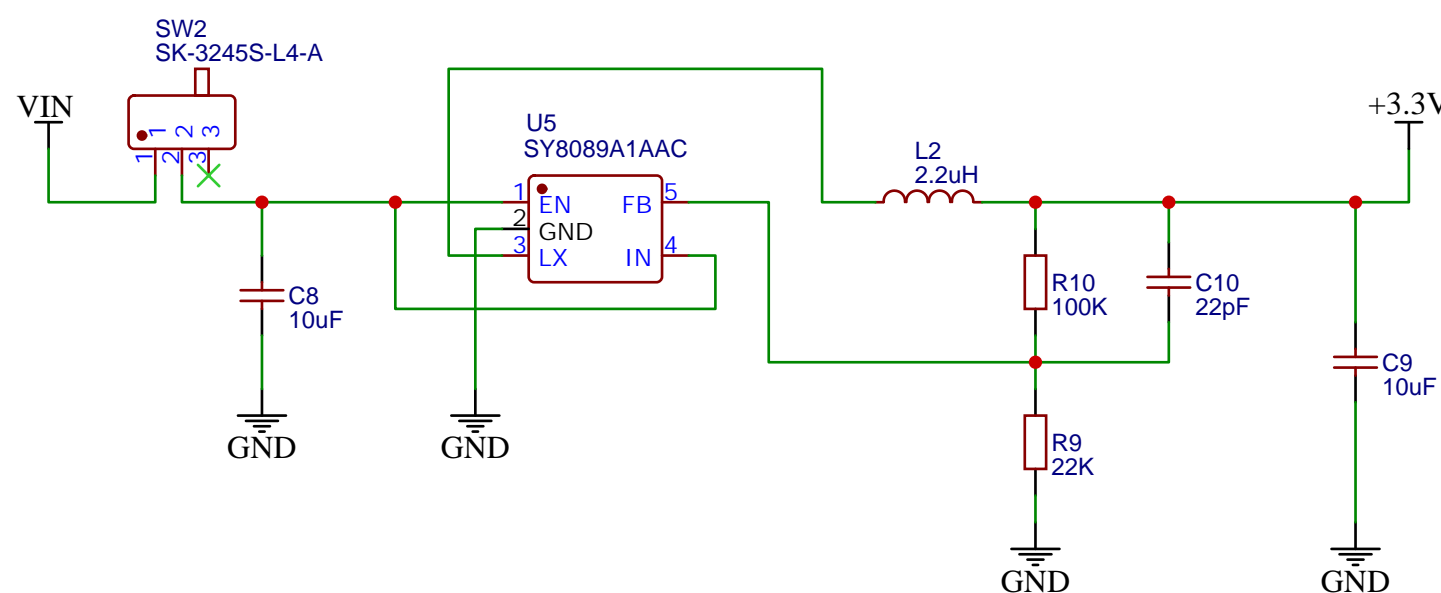
锂电充电、5V升压、4LED电量显示



锂电过充过放过流保护

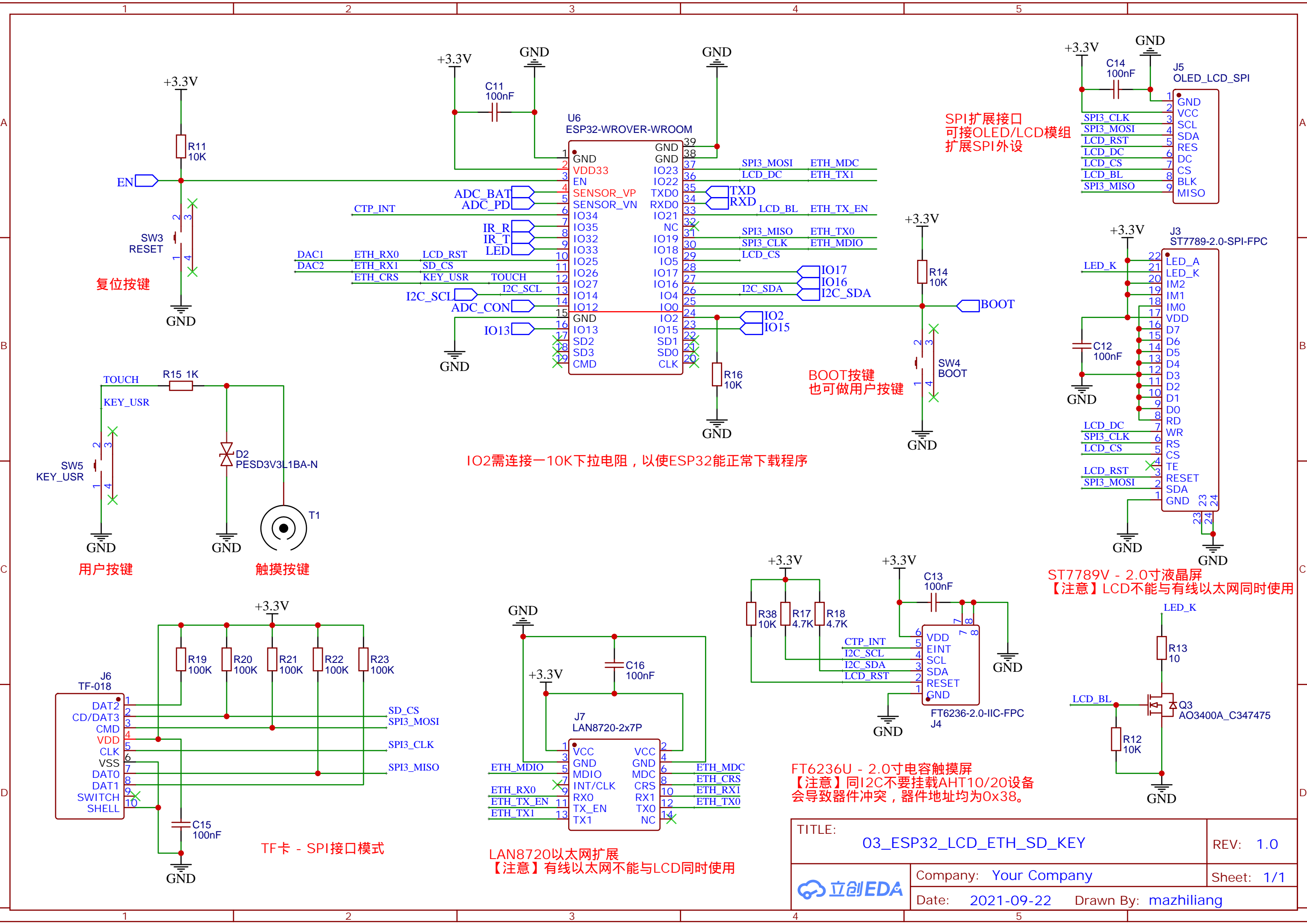


USB/锂电-电源自动切换  
SW2开通并且后备锂电有电的情况下  
3.3V电压域为UPS



3.3V-2A同步DCDC降压，供给MCU和绝大多数外围IC使用

TITLE: 02_POWER		REV: 1.0
立创EDA	Company: Your Company	Sheet: 1/1
	Date: 2021-09-21	Drawn By: mazhiliang



SPI扩展接口  
可接OLED/LCD模组  
扩展SPI外设

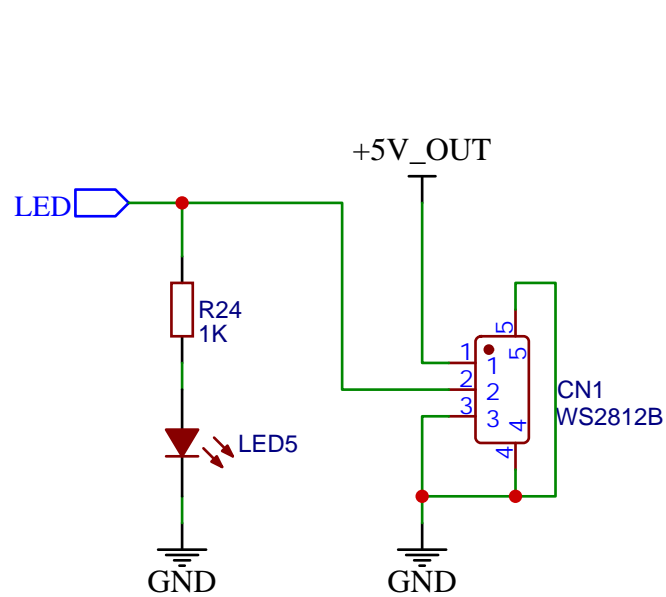
BOOT按键  
也可做用户按键

IO2需连接一10K下拉电阻, 以使ESP32能正常下载程序

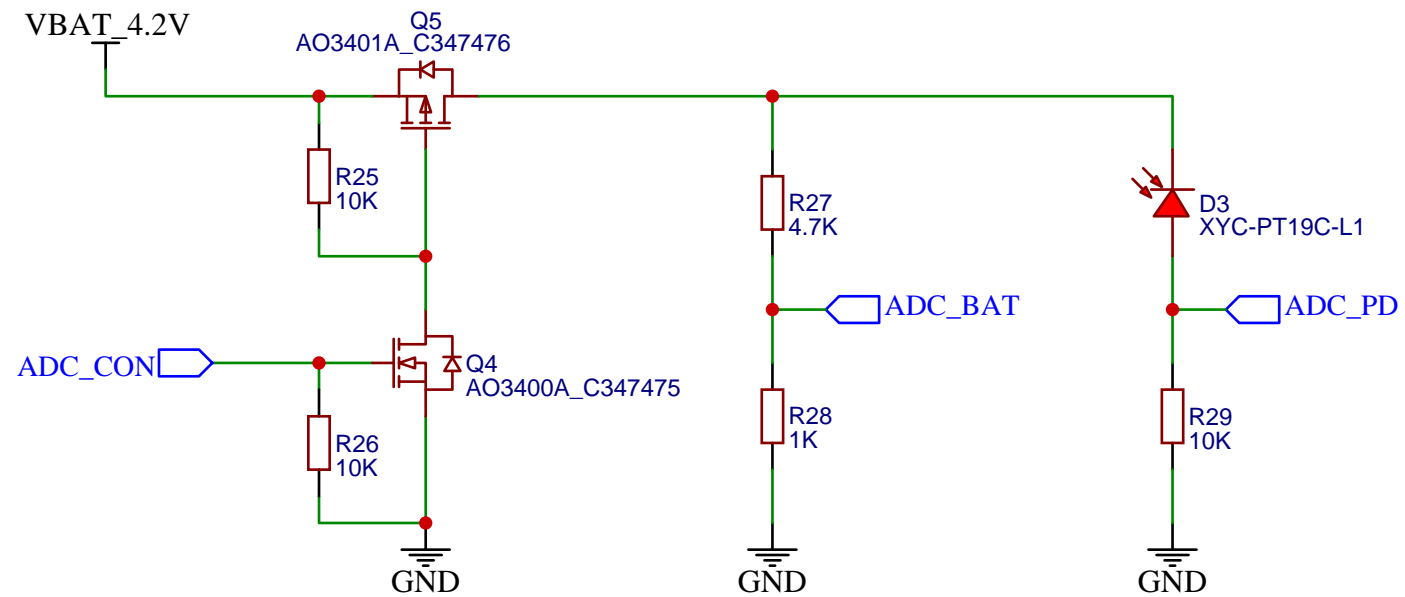
ST7789V - 2.0寸液晶屏  
【注意】LCD不能与有线以太网同时使用

FT6236U - 2.0寸电容触摸屏  
【注意】同I2C不要挂载AHT10/20设备  
会导致器件冲突, 器件地址均为0x38。

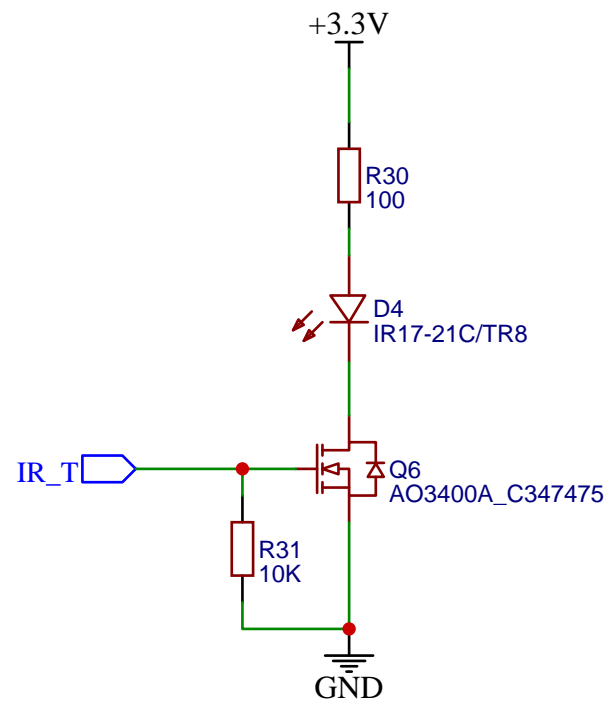
TITLE: 03_ESP32_LCD_ETH_SD_KEY		REV: 1.0
立创EDA	Company: Your Company	
	Date: 2021-09-22 Drawn By: mazhiliang	
		Sheet: 1/1



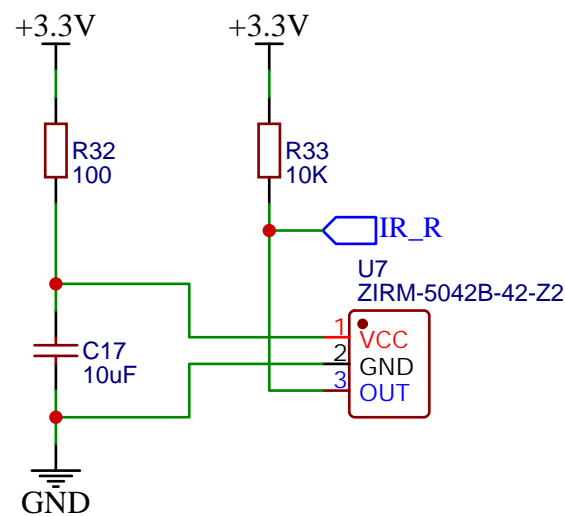
LED灯 和 外接的WS2812B灯带



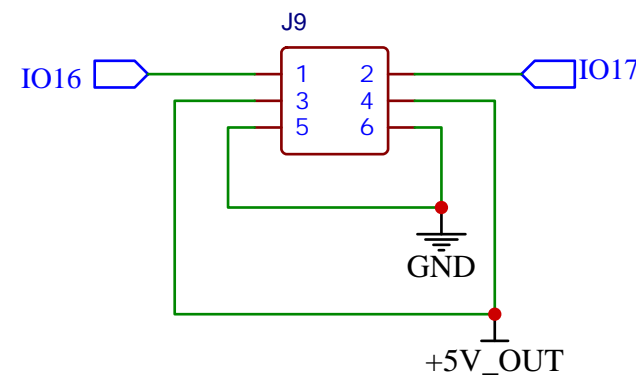
电池电压、环境光 - ADC测量



红外发射

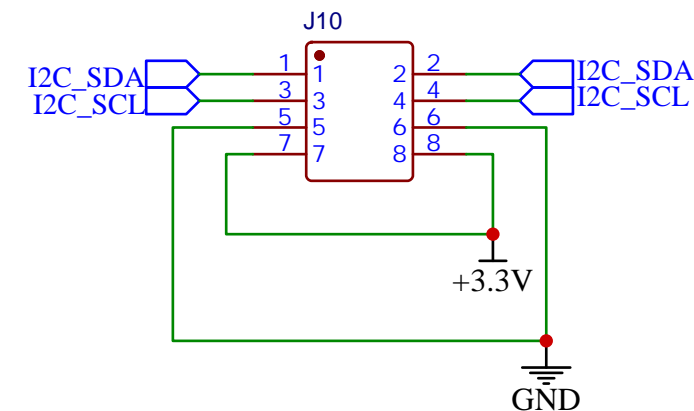


红外接收



扩展端口  
可外接舵机，可做GPIO

【注意】WROVER模组没有IO16、17



I2C扩展接口

TITLE: 04_LED_ADC_IR		REV: 1.0
立创EDA	Company: Your Company	Sheet: 1/1
	Date: 2021-09-23	Drawn By: mazhiliang



电容屏机械尺寸；板框四周固定孔

H5  
MECH\_HOLE\_ST7789\_CTP

TITLE: 05_I2C_RTC_485_CAN		REV: 1.0
	Company: Your Company	Sheet: 1/1
	Date: 2021-09-24	Drawn By: mazhiliang