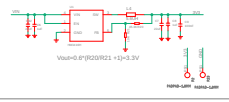
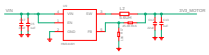
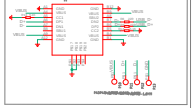
模块3.3V电源
3.3V Power



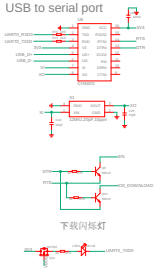
电机3.3V降压电路
Motor step-down circuit



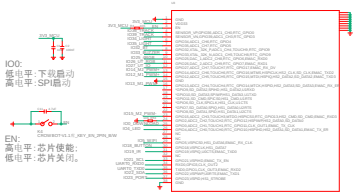
USB



USB转串口
USB to serial port

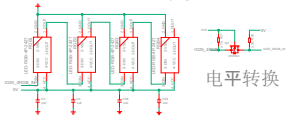


主控 ESP32-WROVER-B

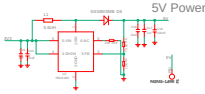


红外接收头
IR receiver

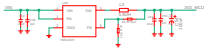
4个RGB灯



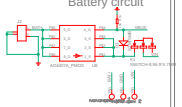
模块5V电源电路
5V Power



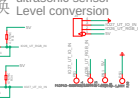
主控3.3V降压电路
Main control step-down circuit



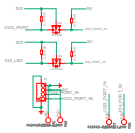
电池及控制电路
Battery circuit



超声波传感器
电平转换 ultrasonic sensor
Level conversion

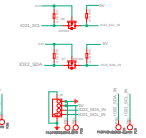


GPIO口电平转换
GPIO level conversion



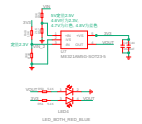
D Port

I2C电平转换
I2C level conversion

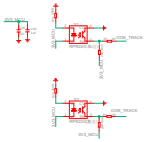


I2C Port

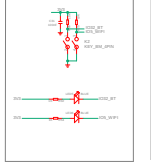
电池电量指示
Battery status indication



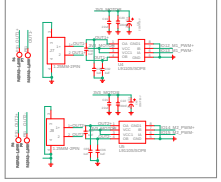
循迹模块
Line trcaking module



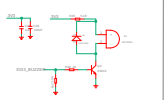
WiFi和BT开关
WiFi & bluethooth switch



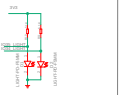
电机驱动
Motor drive



蜂鸣器
Buzzer



光敏传感器
Photosensitive sensor



按键
Button