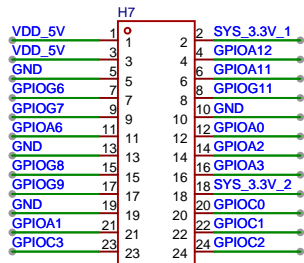
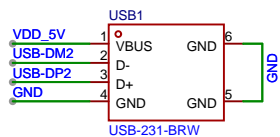


KH-2.54FH-1X12P-H8.5

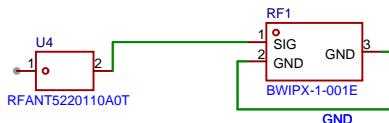


PM254-2-12-Z-8.5

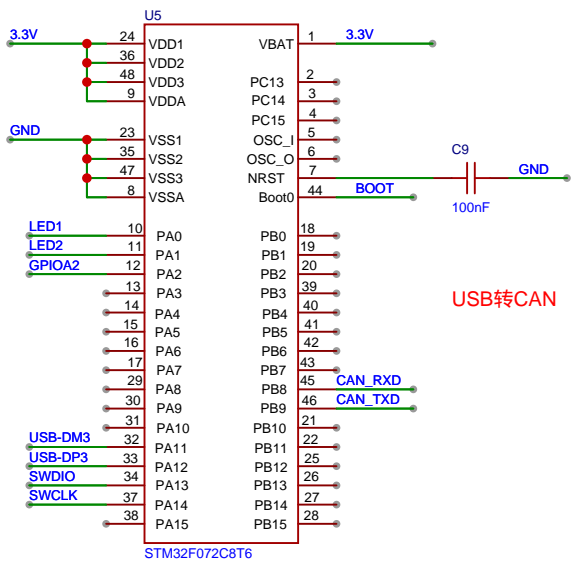
与核心板接口



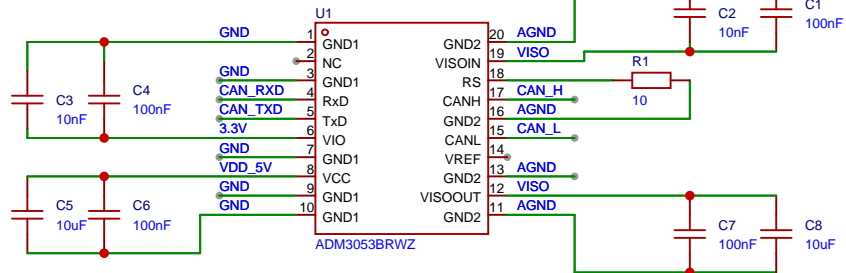
USB-A母口



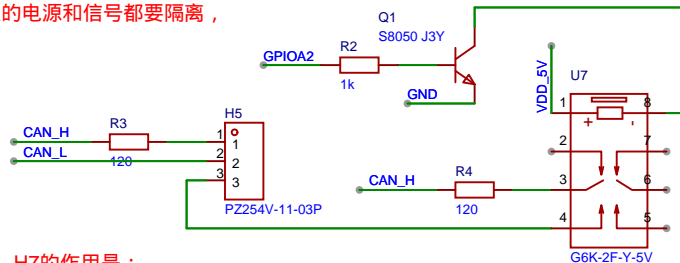
2.4G天线



USB转CAN

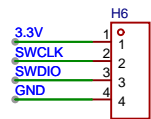


CAN隔离收发器，因为考虑到隔离所以直接用继电器开关终端电阻，这样体积大功耗大，但电路简单，如果用模拟开关，模拟开关的电源和信号都要隔离，电路太复杂。

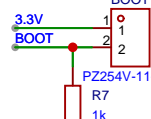


H7的作用是：

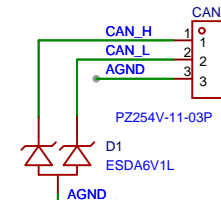
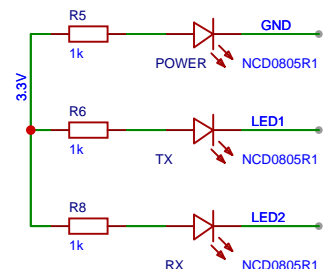
- 1,2短接时：接入终端电阻，不使用远程控制终端电阻
- 2,3短接时：使用远程控制终端电阻



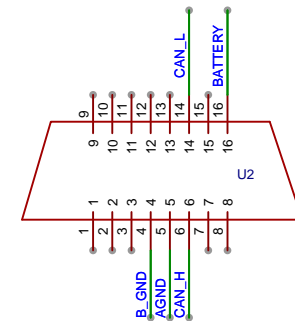
PZ254V-11-04P



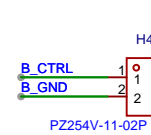
PZ254V-11-02P



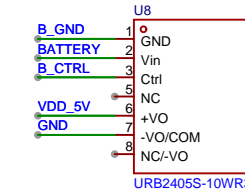
PZ254V-11-03P



URB2405S-10WR3

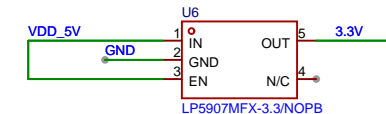


PZ254V-11-02P

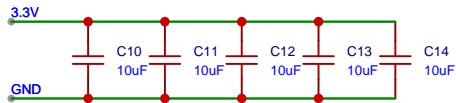


URB2405S-10WR3

OBD供电部分，这个隔离电源的输入是9V~36V，输出5V，功率10W，汽车的电压有12V和24V两种，可以兼容。当VDD_5V的电压大于MicroUSB时，VDD_5V向板子供电，否则板子从MicroUSB取电。H9的作用是禁用电源模块，强制用MicroUSB供电。



核心板上的VDD_5V通过RT8059输出3.3V，电流1A，但担心功率不够，所以再放一个LDO给USB转CAN供电。



原理图	Schematic2		更新日期	2024-06-26
图页	P1		创建日期	2024-06-26
绘制	Spider-expansion-board			
审阅				
版本	尺寸	页 1 共 1		
嘉立创EDA		V1.0	A4	嘉立创EDA