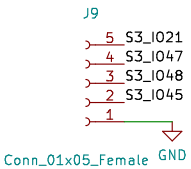
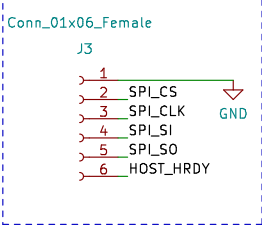


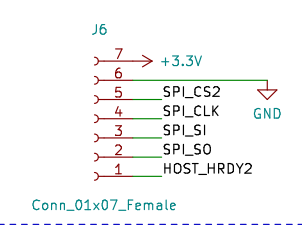
S3 available IOs



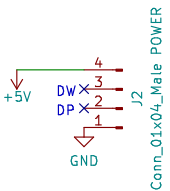
SPI Interface CINREAD



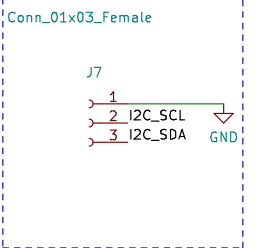
SPI Interface 2 (external)



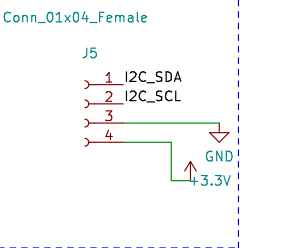
CINREAD IT8951 Power source



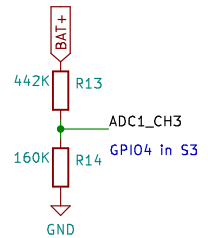
I2C interface CINREAD



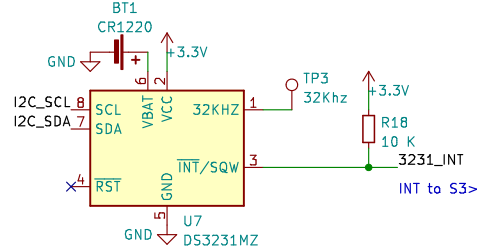
I2C interface 2 (BME 280 like)



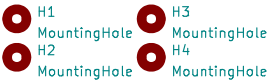
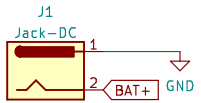
Voltage divider (via ADC1\_CH3)



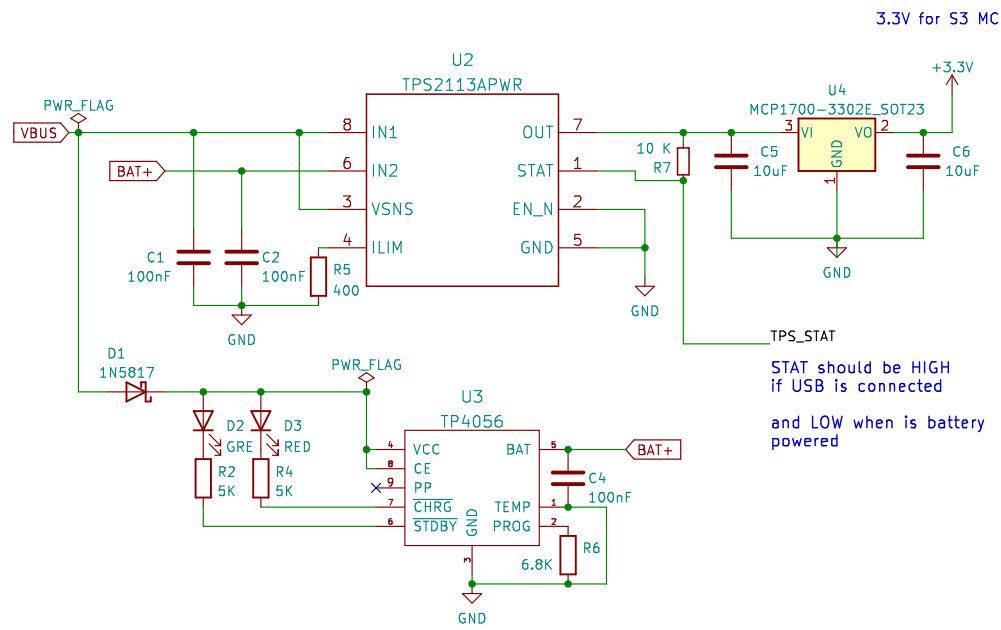
DS3231 Real time clock via I2C



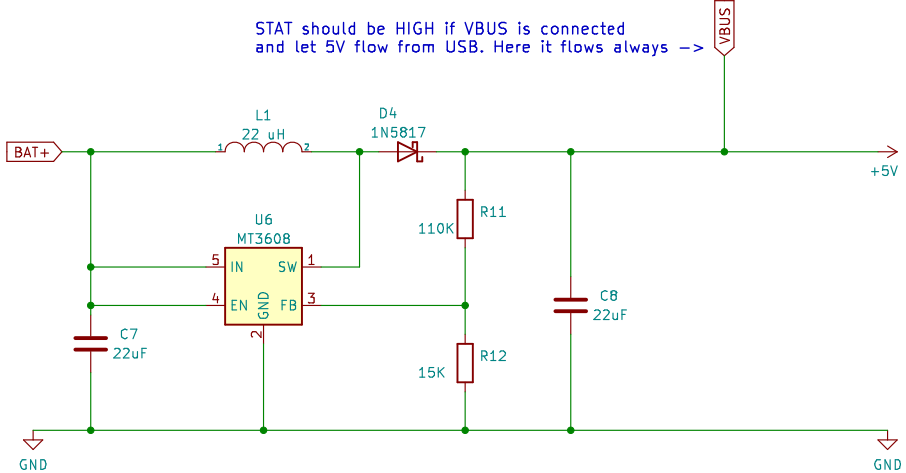
Battery jack



LiPo 3.7V charging circuit + 3.3 V step down



3V to 5V BOOST converter MT3608



Referenced from:  
<https://somanlytech.com/3-v-to-5v-boost-converter-circuit-diagram-dc-dc-buck-converter-schematics>