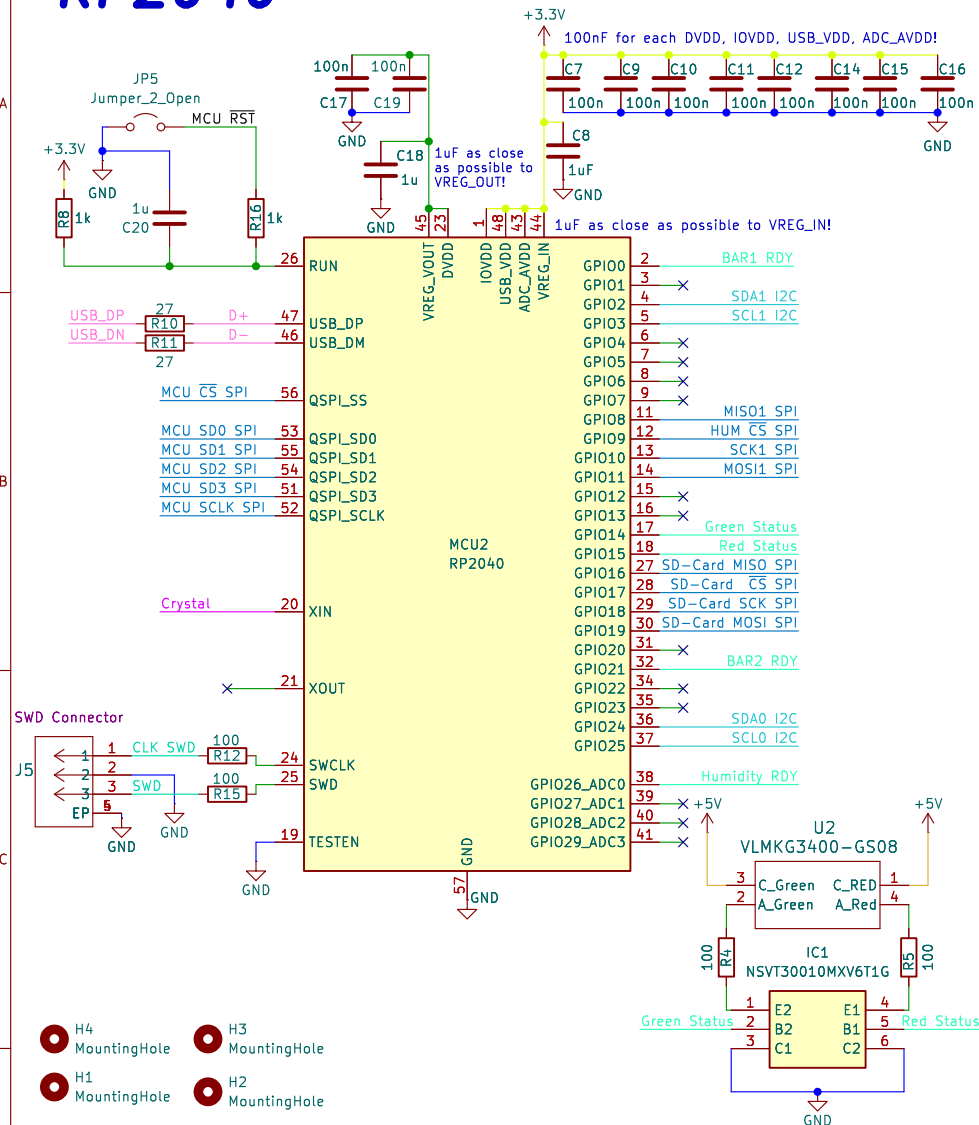
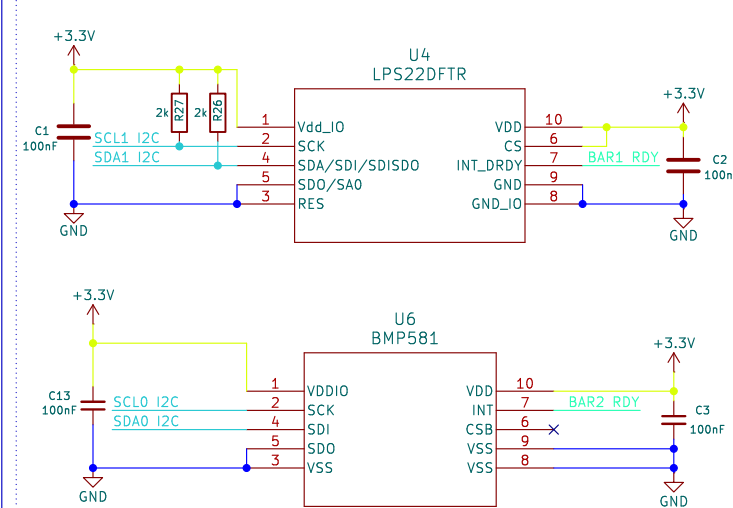


RP2040



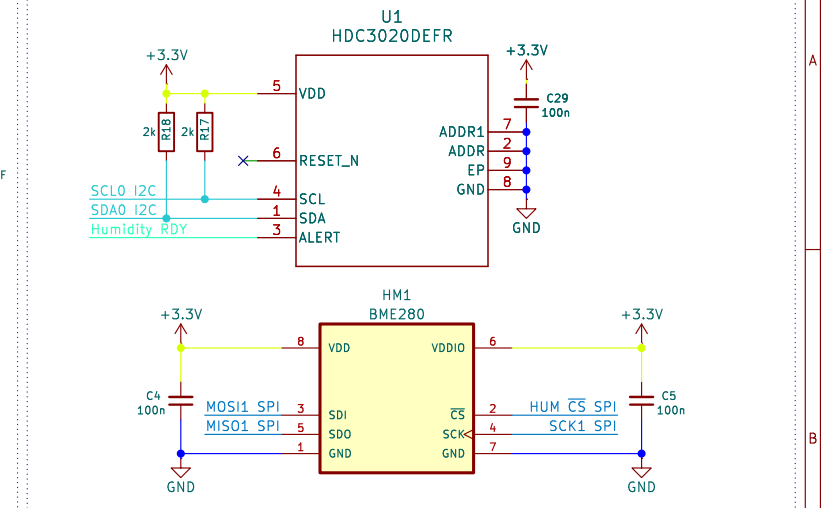
SensorBay

Pressure & Temperature Sensors



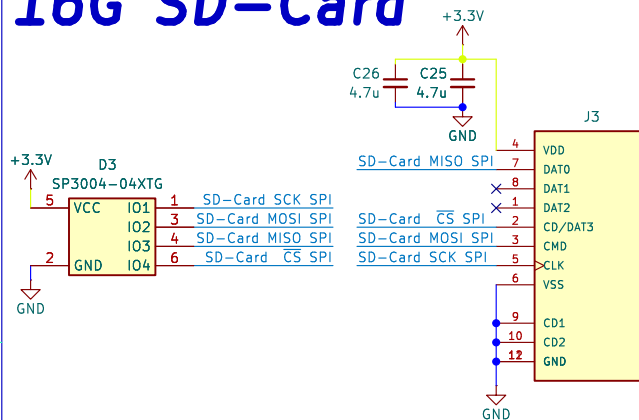
BOSH BMP581: 400Hz, Fast Mode 400kHz, ADDR 0x46
ST LPS22DF: 200Hz, I2C Fast Mode Plus 1MHz, ADDR 0x5C

Humidity & Temperature Sensors

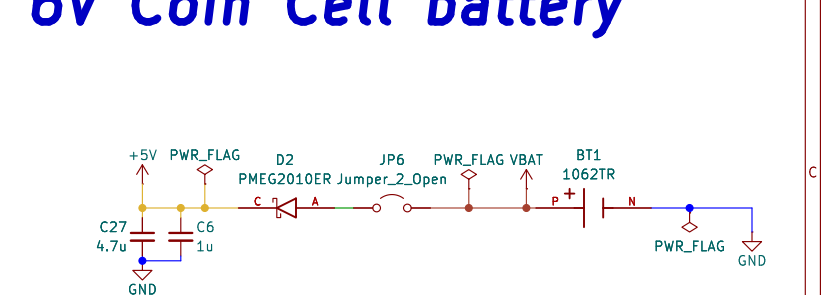


Bosh BME280: 1Hz, SPI 10MHz
Texas HDC3020: 1Hz, I2C Fast Mode 400kHz, ADDR 0x44

16G SD-Card

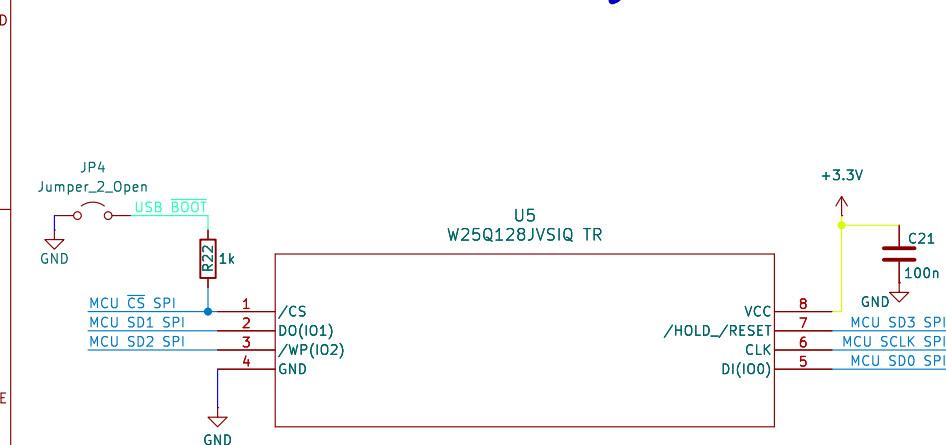


6V Coin Cell battery

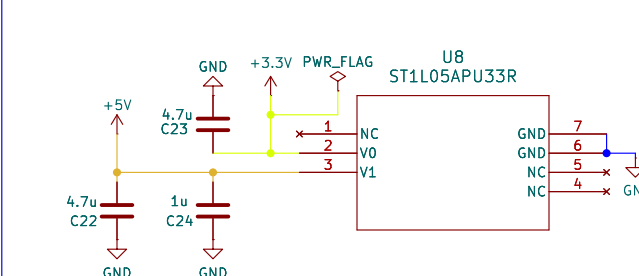


USB-C MUST BE DISCONNECTED
WHEN BATTERY JUMPER IS SHORTED

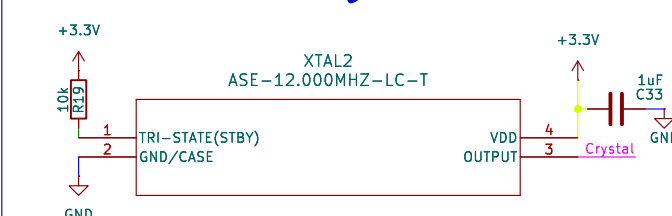
16MB Flash Memory



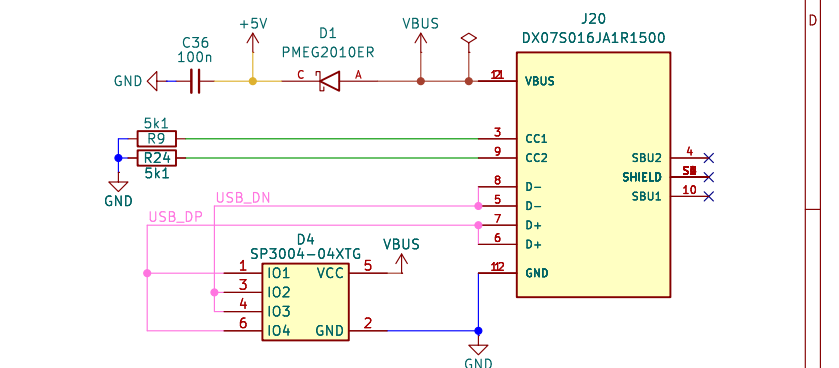
3V3 LDO



Powered Crystal



USB-C



Miguel Amorim
Porto Space Team

Sheet: /
File: PocketSat.kicad_sch

Title: PocketStat

Size: User Date: 2025-02-25
KiCad E.D.A. 9.0.2

Rev: 1.0
Id: 1/1