

MCU and Core Unit

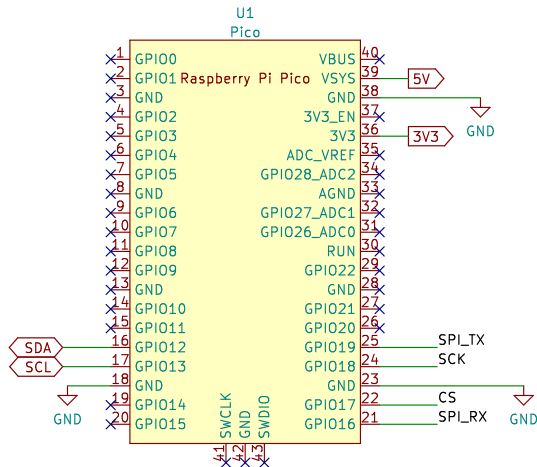
Sensors



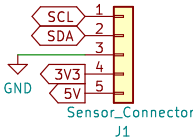
File: sensors_mushlogger.kicad_sch



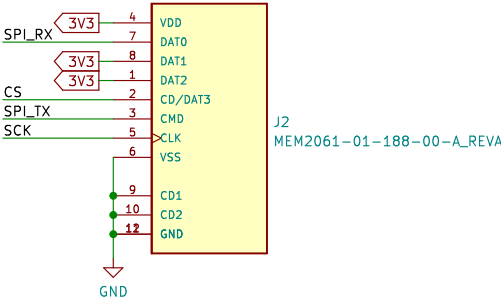
MCU (Raspi Pico W)



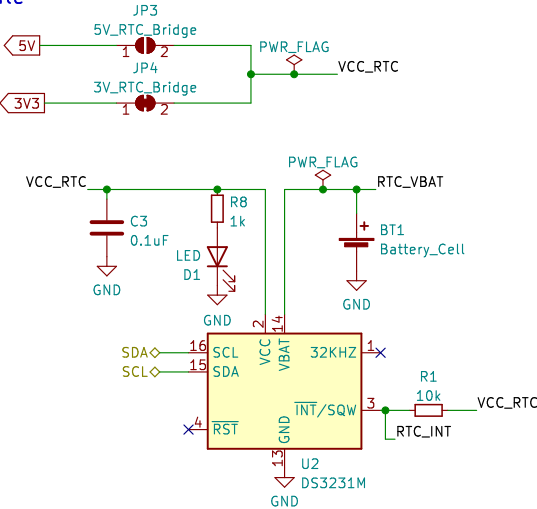
Optional Sensor Expansion Connector



Data Storage (microSD)



RTC Module



- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

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Sheet: /
File: mushroomDataloggerProject.kicad_sch

Title: Mushlogger

Size: A4 Date: 2022-11-30

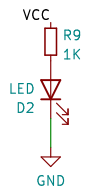
KiCad E.D.A. kicad (6.0.8)

Rev: v1

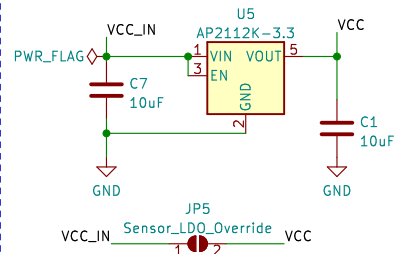
Id: 1/2

Sensor Unit

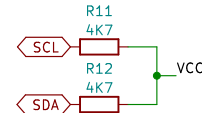
Status Indicators



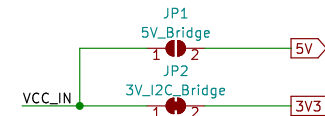
Sensor Power



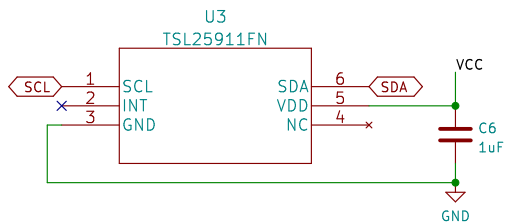
I2C Pullups



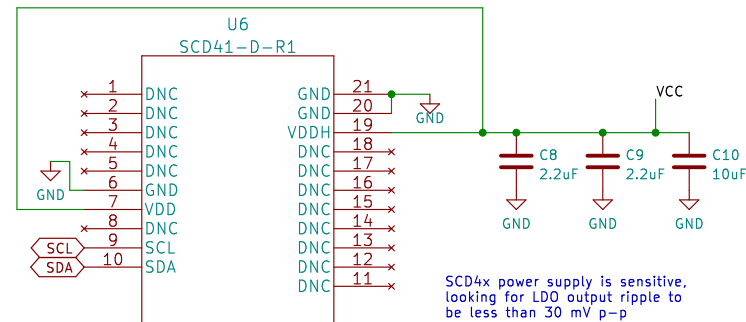
Sensor Lines



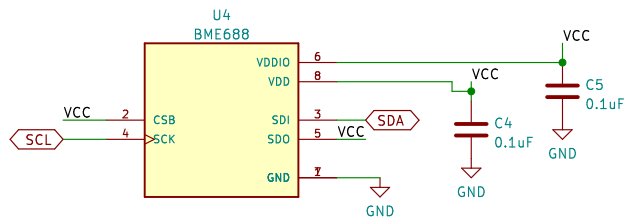
TSL2591 Light Sensor



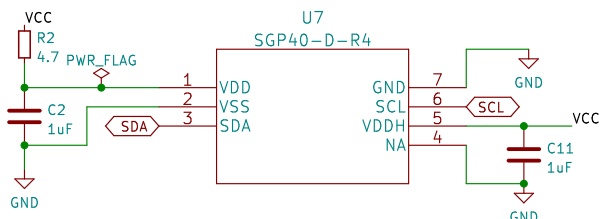
SCD4x CO2, Temperature, Humidity Sensor



BME688 Temperature, Pressure, Humidity, Gas Sensor



SGP40 Lower Cost CO2 Sensor



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Sheet: /Sensors/
File: sensors_mushlogger.kicad_sch

Title: Mushlogger

Size: A4 Date: 2022-11-30
KiCad E.D.A. kicad (6.0.8)

Rev: v1
Id: 2/2