

jlab

Sheet: /Analog/
 File: Soil_Power_Sensor_1.kicad_sch

Title: Soil Power Sensor

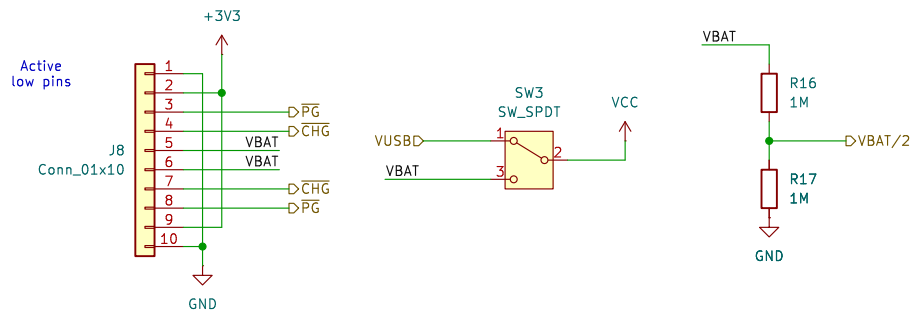
Size: A4 Date: 2024-12-07

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Rev: 2.2.3

Id: 1/6

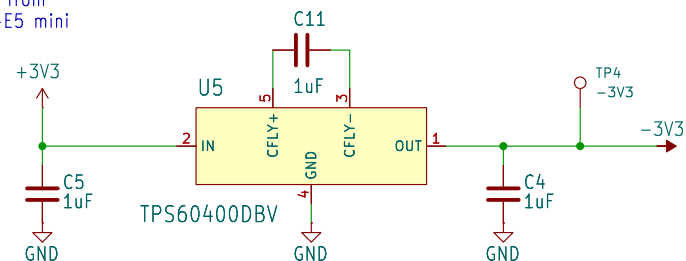
Battery Connector and Switch



Charge Pump for -3V3 Rail

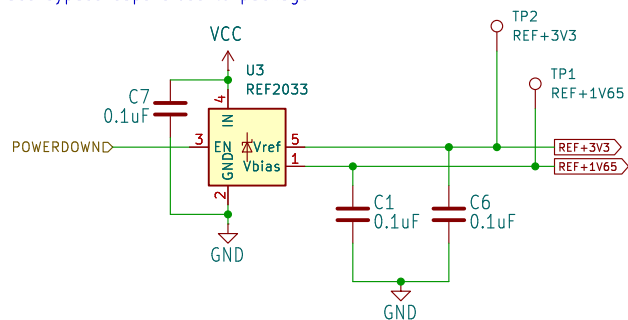
Place bypass caps close to package

+3V3 comes from LDO on Wio-E5 mini



Reference +3V3 and +1V65

Place bypass caps close to package



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Sheet: /Power/
File: Soil_Power_Sensor_2.kicad_sch

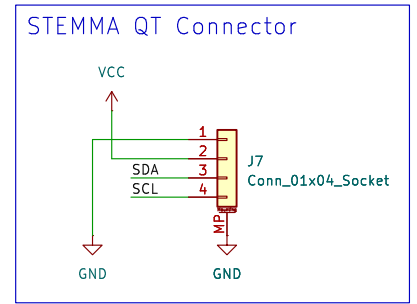
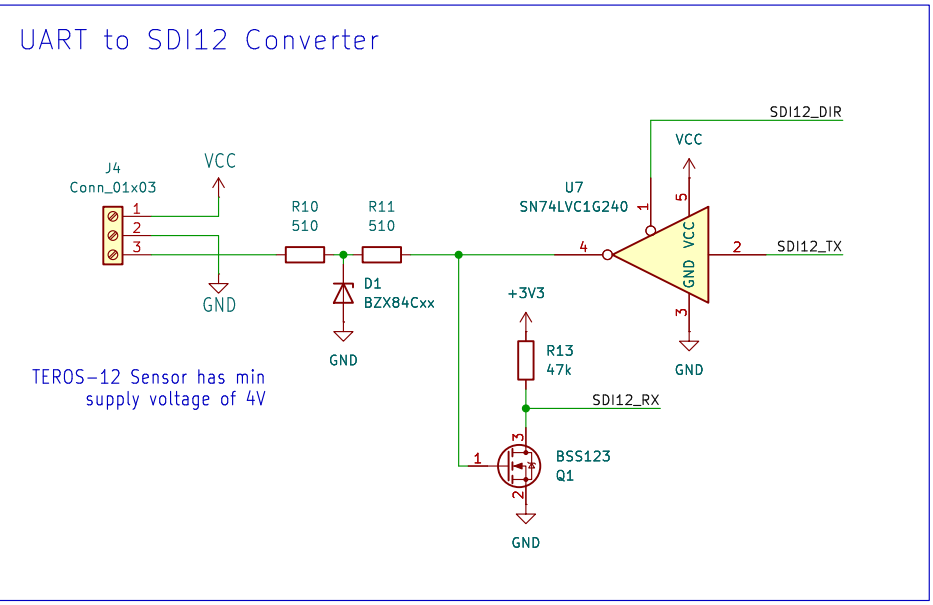
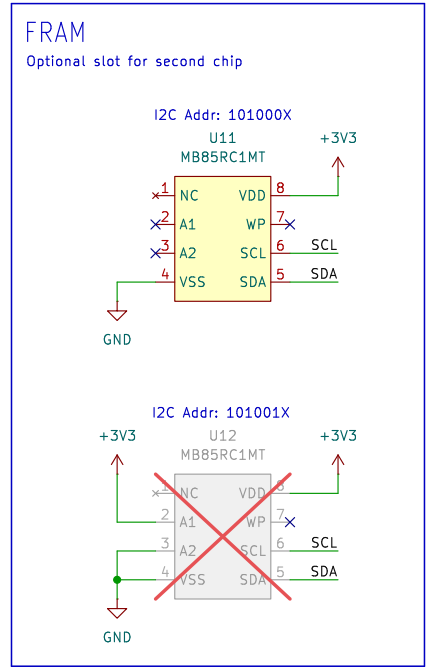
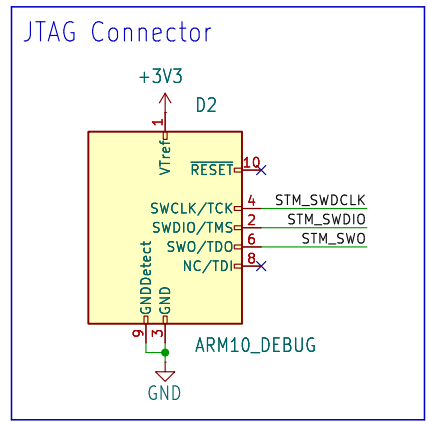
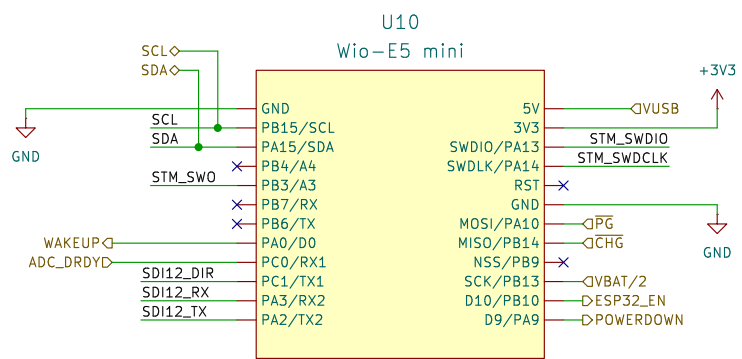
Title: Soil Power Sensor

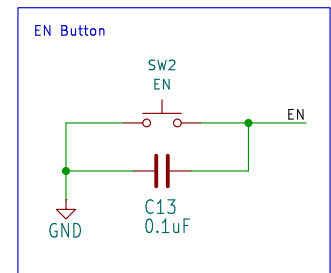
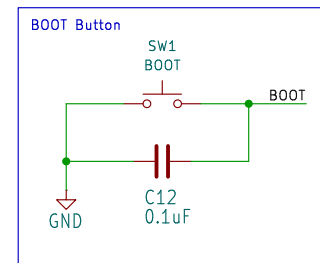
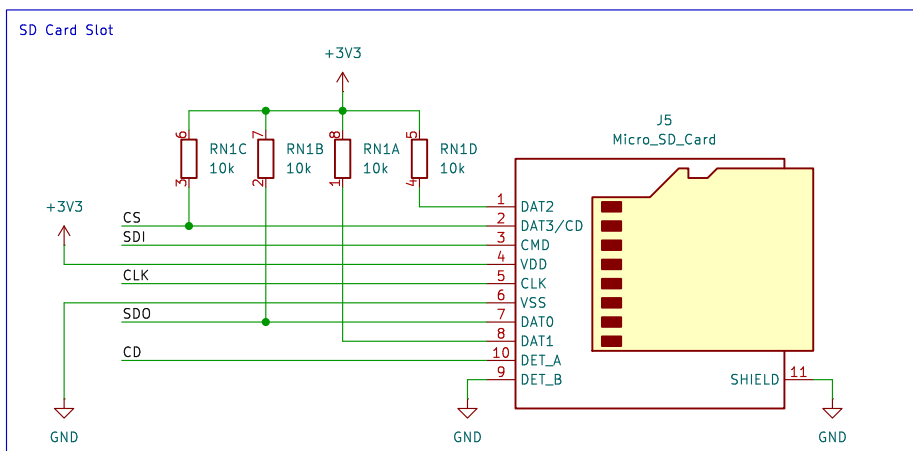
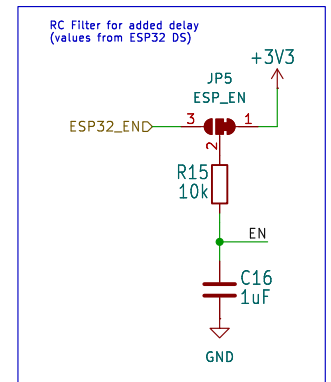
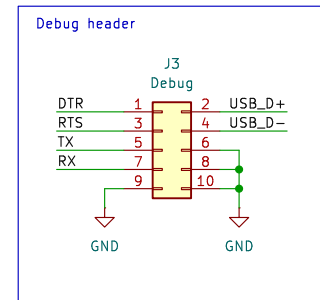
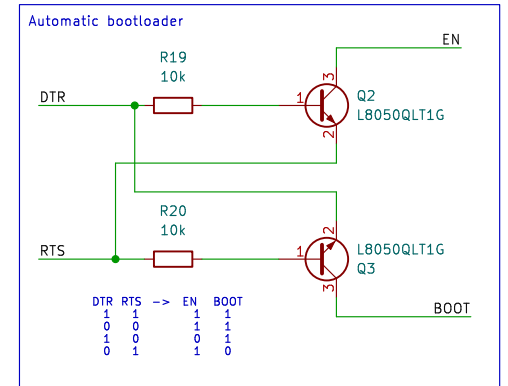
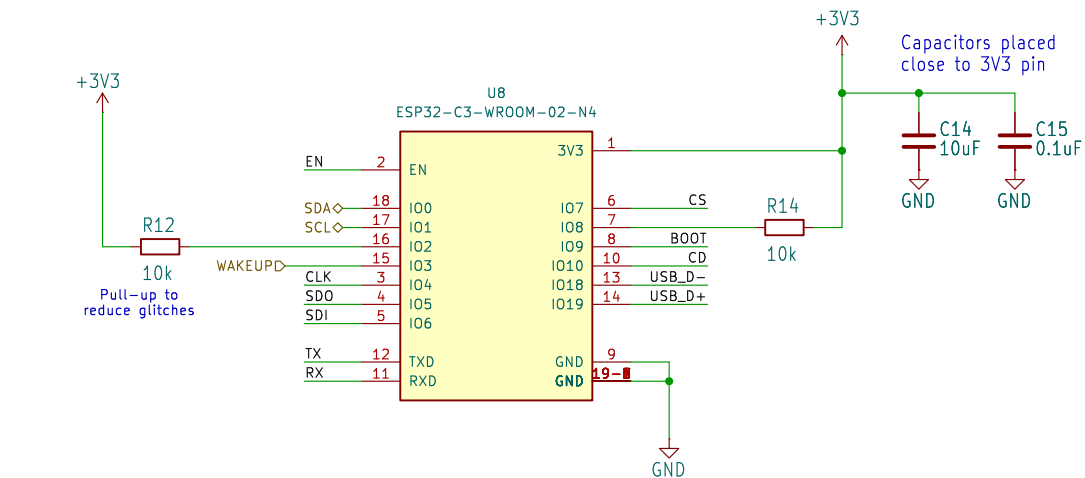
Size: A4 Date: 2024-12-07

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Sheet: /ESP32/
File: Soil_Power_Sensor_4.kicad_sch

Title: Soil Power Sensor

Size: A4 Date: 2024-12-07

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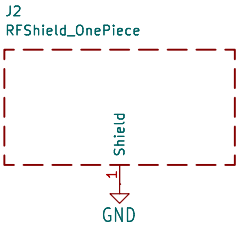
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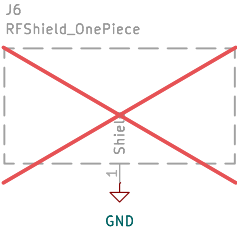
RF Shield

Covers analog components in sheet 1 and reference voltage source.

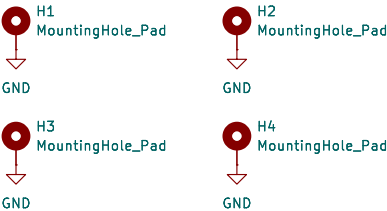
Frame placed
on PCB



Cover not placed



Mounting Holes



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Sheet: /Hardware/
File: hardware.kicad_sch

Title: Soil Power Sensor

Size: A4 Date: 2024-12-07

KiCad E.D.A. 8.0.6

Rev: 2.2.3

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