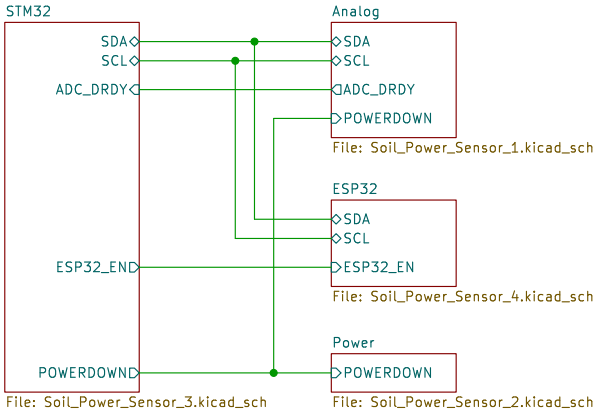
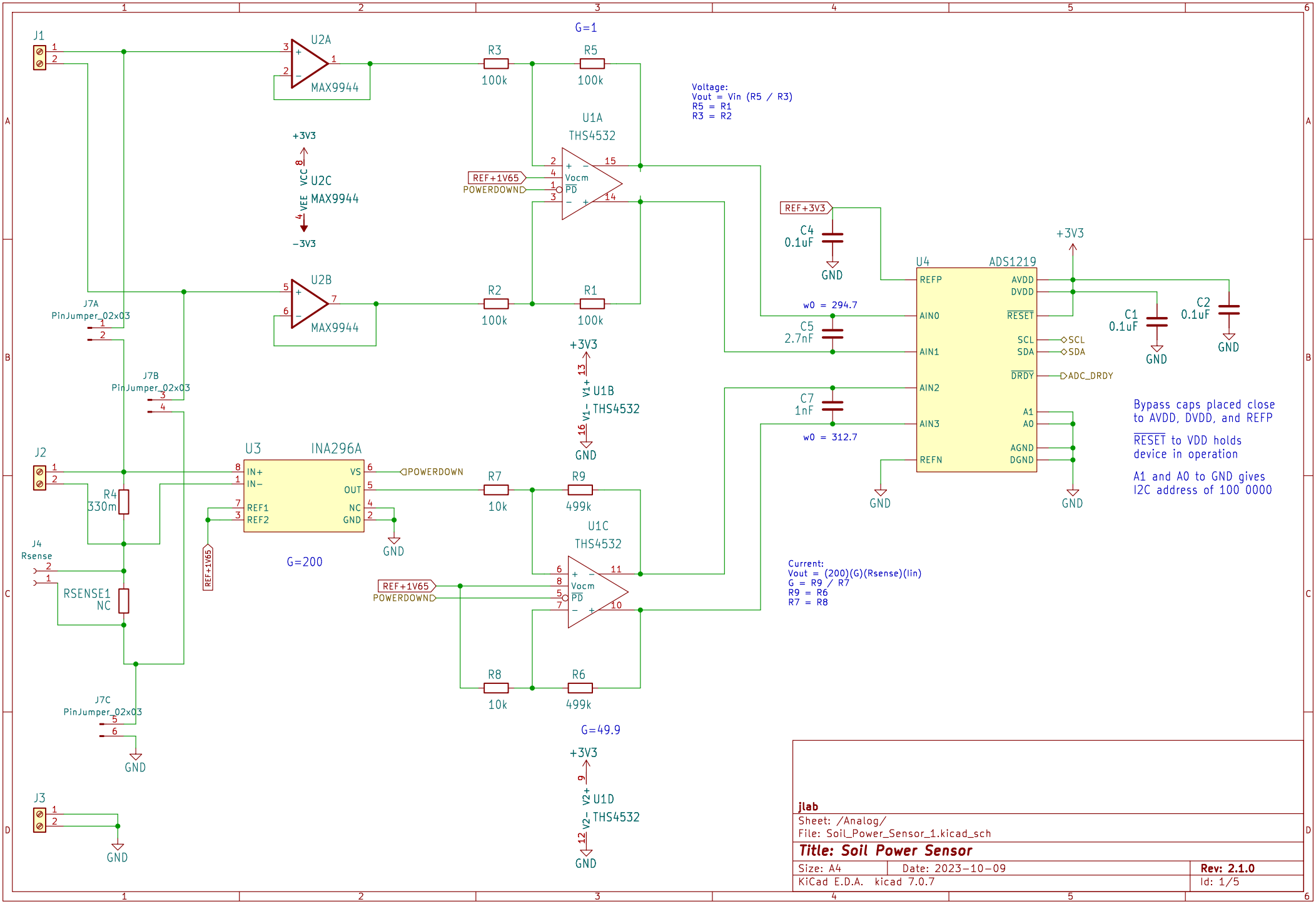


jlab

Sheet: /
File: Soil Power Sensor.kicad_sch

Title: Soil Power Sensor

Size: A4	Date: 2023-10-09	**Rev: 2.1.0**
KiCad E.D.A. kicad 7.0.7		Id: 1/5



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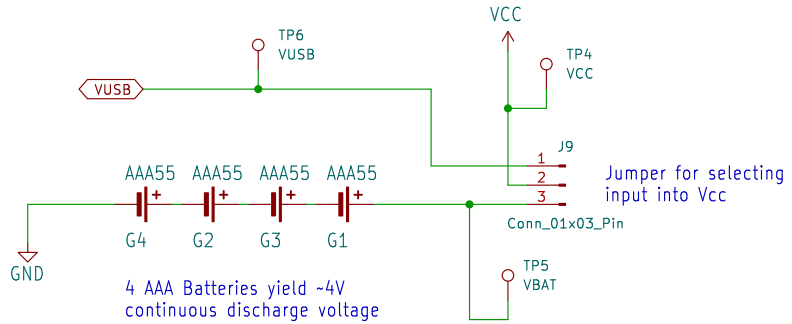
Size: A4	Date: 2023-10-09	**Rev: 2.1.0**
KiCad E.D.A. kicad 7.0.7		Id: 1/5

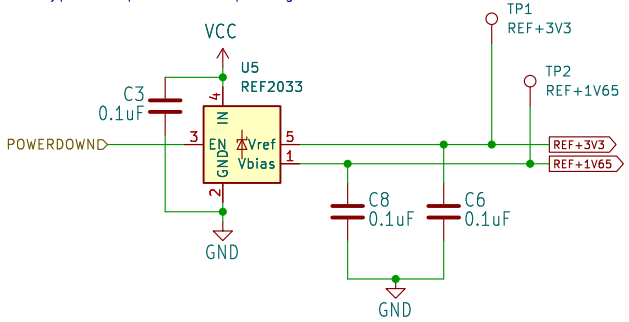
VCC Input



+3V3 comes from
LDO on Wio-E5 mini

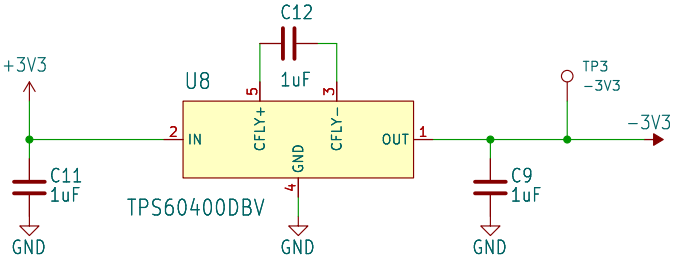
Reference +3V3 and +1V65

Place bypass caps close to package



Charge Pump for -3V3 Rail

Place bypass caps close to package



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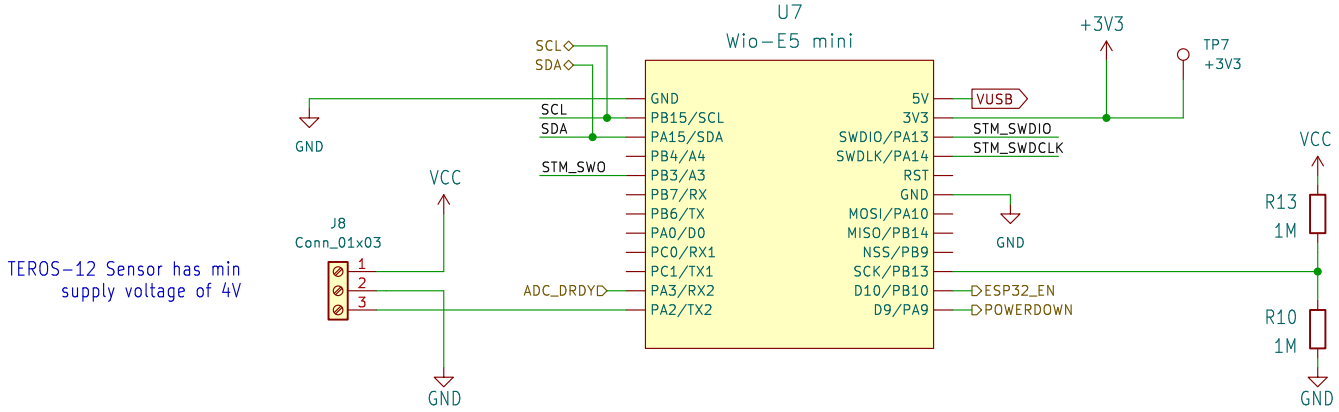

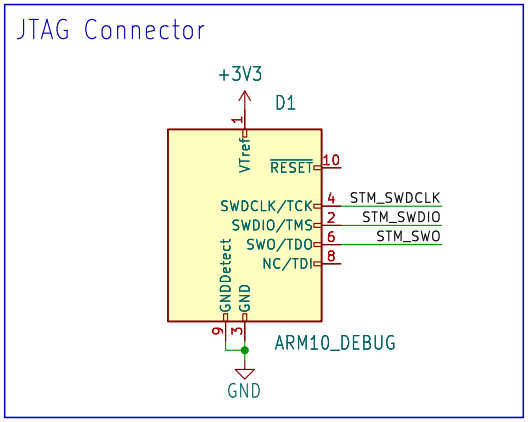

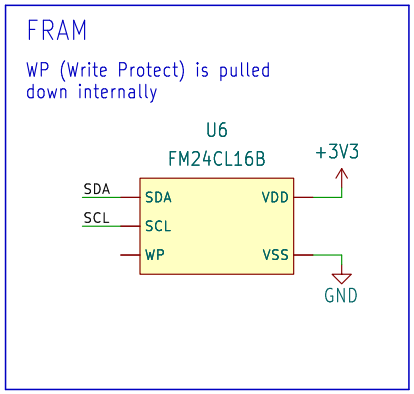

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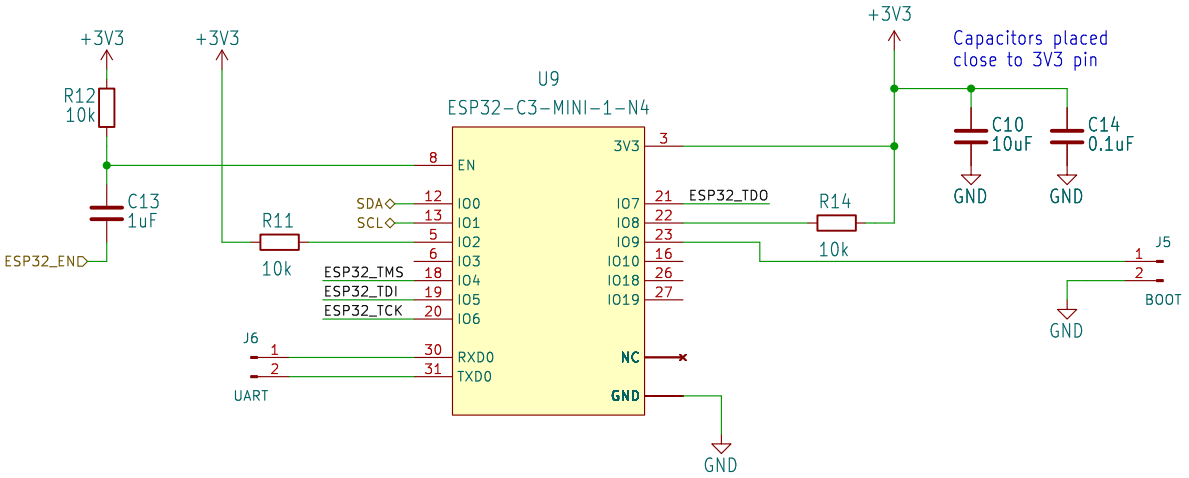
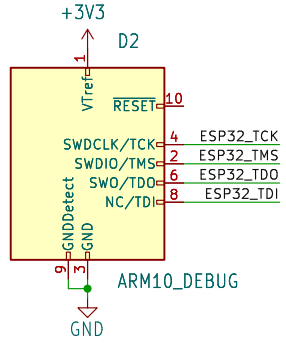
Title: Soil Power Sensor		
Size: A4	Date: 2023-10-09	**Rev: 2.1.0**
KiCad E.D.A. kicad 7.0.7		Id: 3/5

RC Filter for added delay
(values from ESP32 DS)



JTAG Connector



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KiCad E.D.A. kicad 7.0.7		Id: 4/5