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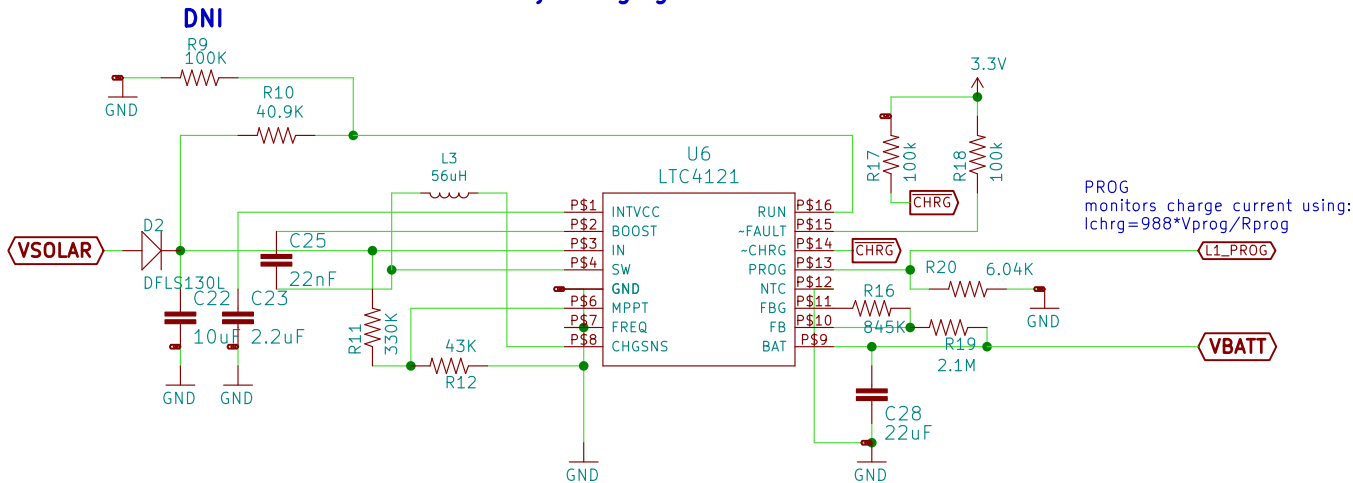
Sheet: /
File: mainboard.sch

Title: PyCubed Mainboard

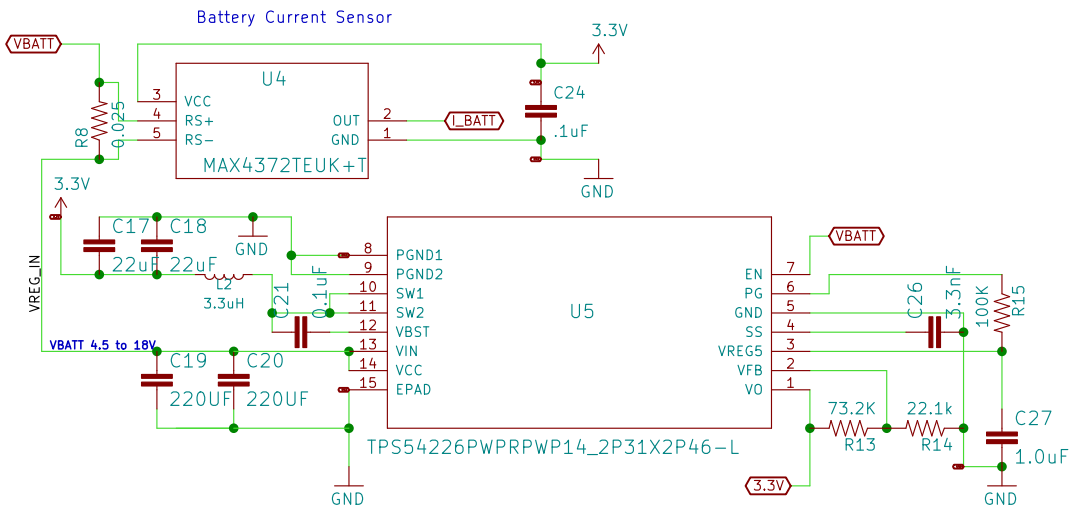
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KICad E.D.A. kicad (5.1.0)-1		Id: 1/6

Rev: v02
Id: 2/6

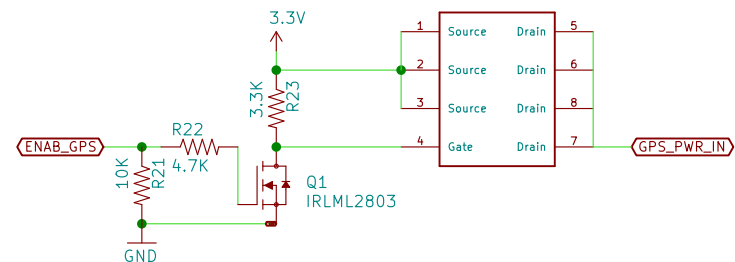
2s2P Li-Ion Battery Charging Circuit



Regulator – 3.3V OUT



GPS Power



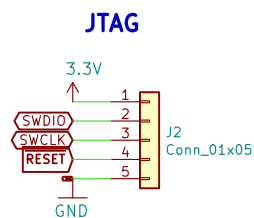
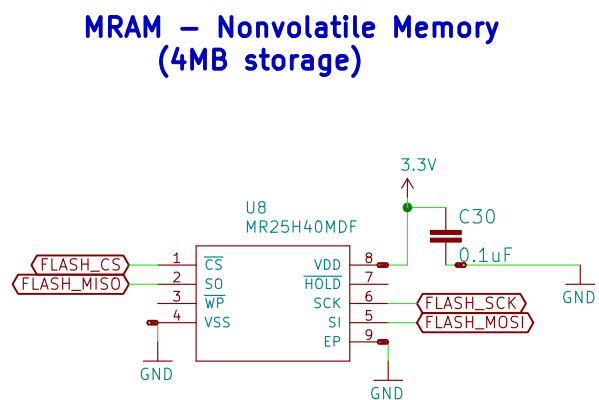
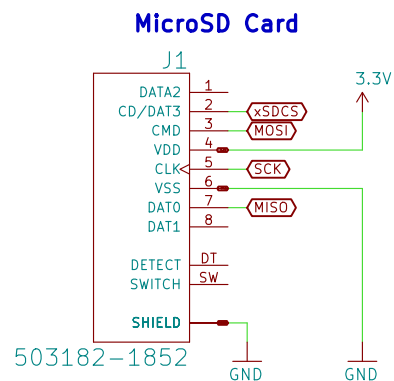
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Sheet: /Power/
File: Power.sch

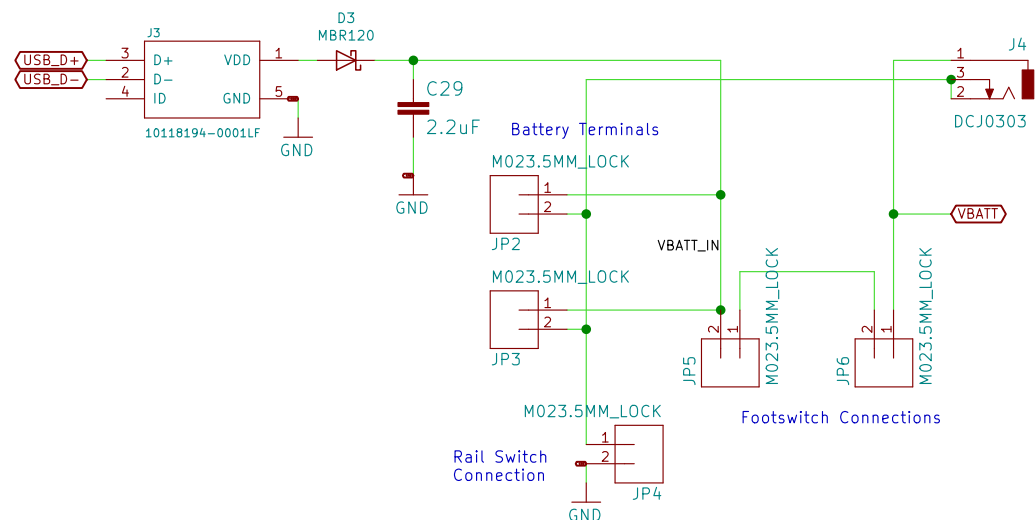
Title: PyCubed Mainboard

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Rev: v02
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Power Connectors: USB, Barrel Plug, Battery



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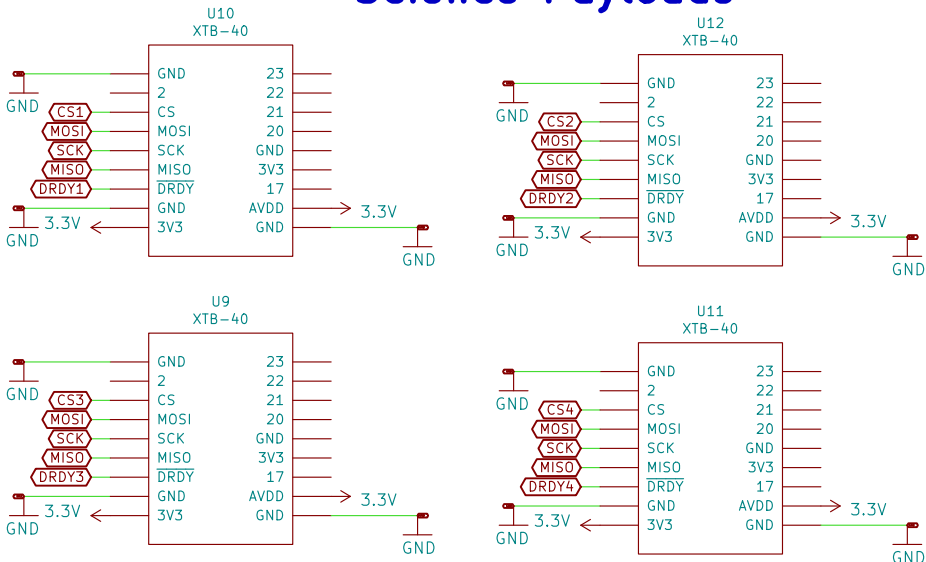
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Title: PyCubed Mainboard

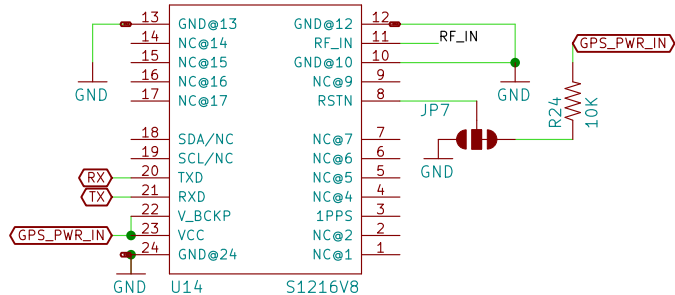
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Rev: v02
Id: 4/6

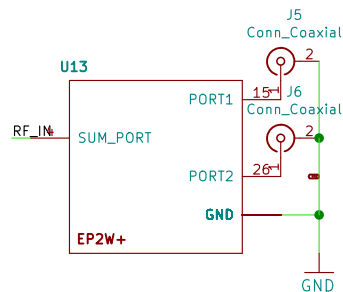
Science Payloads



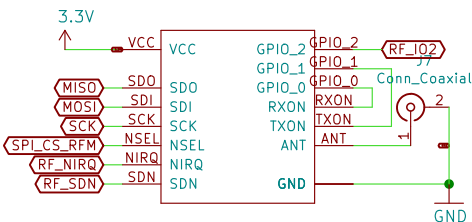
GPS Module



RF Splitter (2 Way, 0deg DC-Pass)



HopeRF RFM23B module at 3.3V



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Sheet: /RF and GPS/
File: RF_and_GPS.sch

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Size: A4

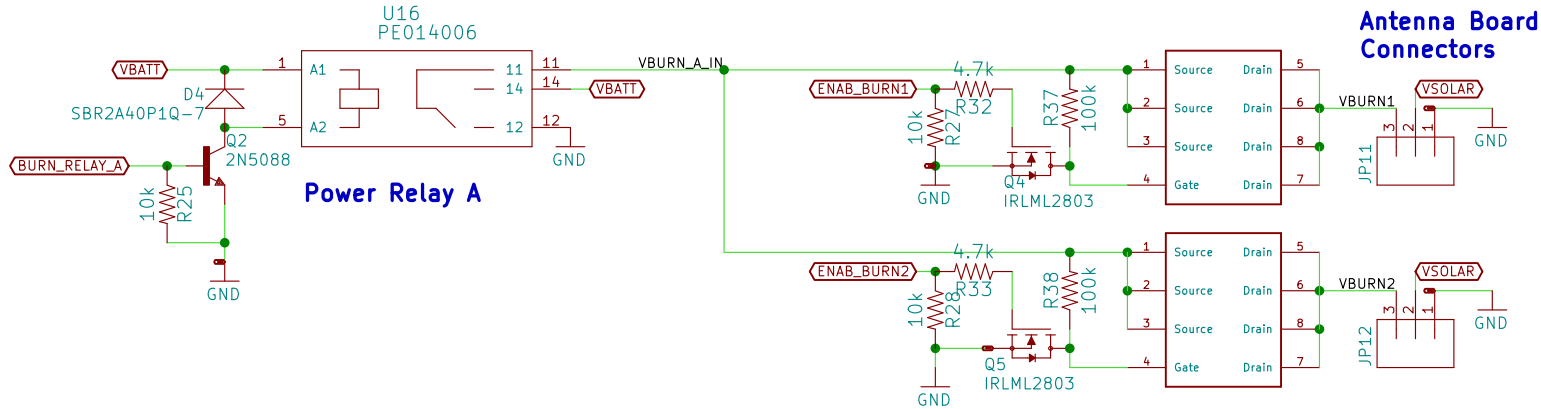
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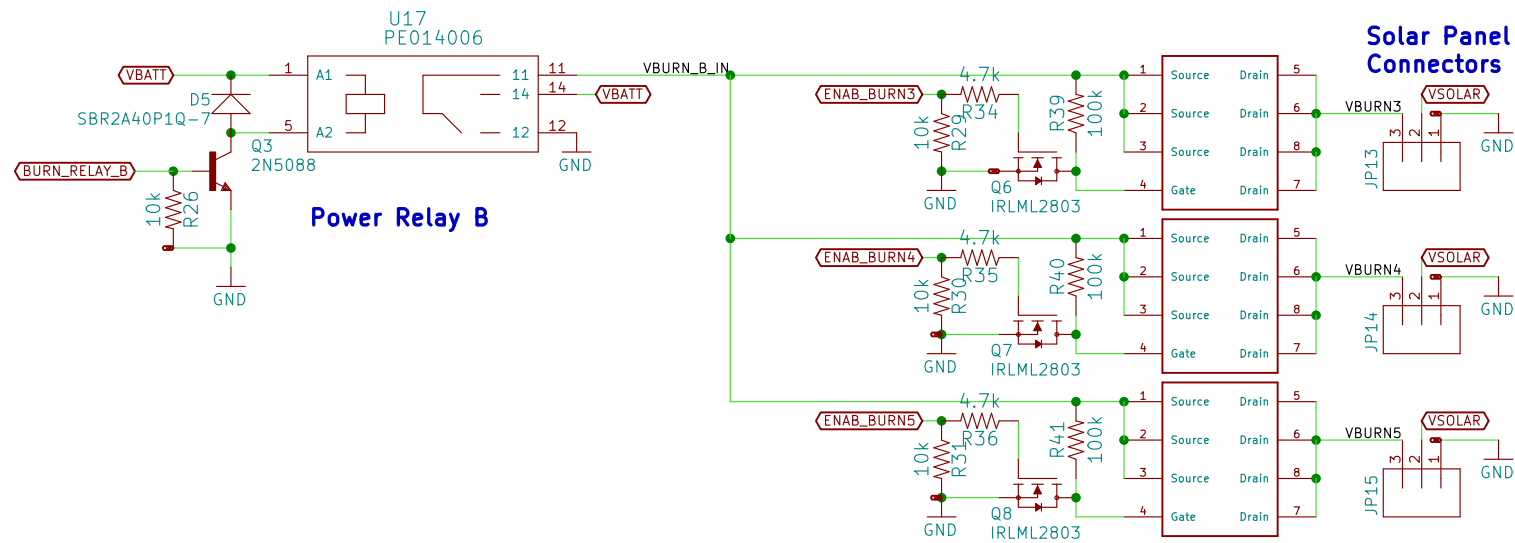
Rev: v02

Id: 5/6

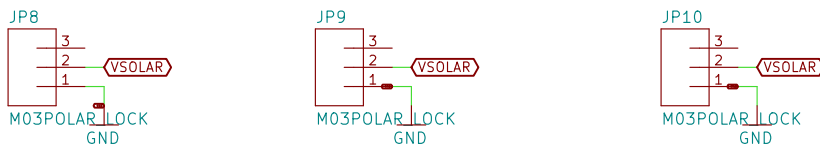
Burn Wire Control (Antenna Deployment)



Burn Wire Control (Sprite deployment)



Solar Panel Connectors



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Sheet: /Burn Wires/
File: Burn_Wires.sch

Title: PyCubed Mainboard

Size: User Date:
KiCad E.D.A. kicad (5.1.0)-1

Rev: v02
Id: 6/6