

1	2	3	4	5	6
A					A
B	Sheet: Avionics File: Avionics.sch	Sheet: Power File: Power.sch	Sheet: Connectors File: Connectors.sch	Sheet: RF and GPS File: RF_and_GPS.sch	Sheet: Burn Wires File: Burn_Wires.sch
C					C
D					D
1	2	3	4	5	6

Max Holliday
Zac Manchester

Sheet: /
File: mainboard.sch

Title: PyCubed Mainboard

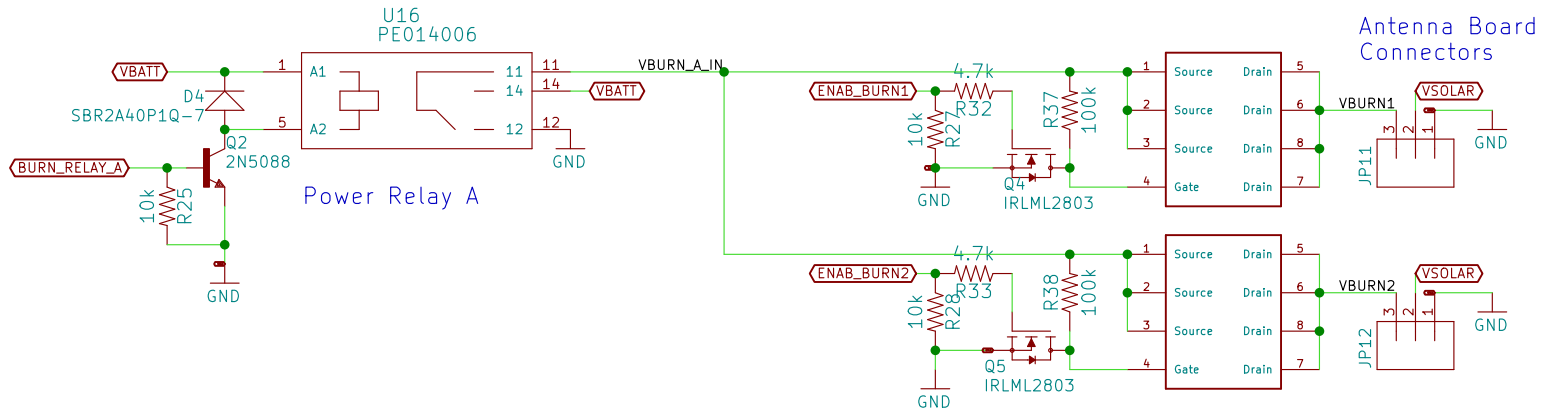
Size: A4 Date: 2020-01-08

KiCad E.D.A. eeschema (5.1.5)-3

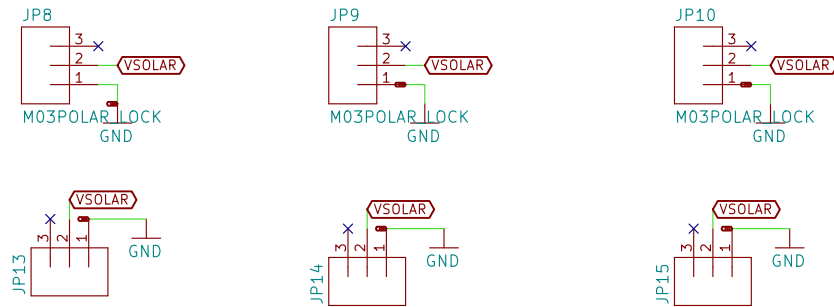
Rev: v04

Id: 1/6

Burn Wire Control (Antenna Depolym)



Solar Panel Connectors



Max Holliday
Zac Manchester

Burn Wires

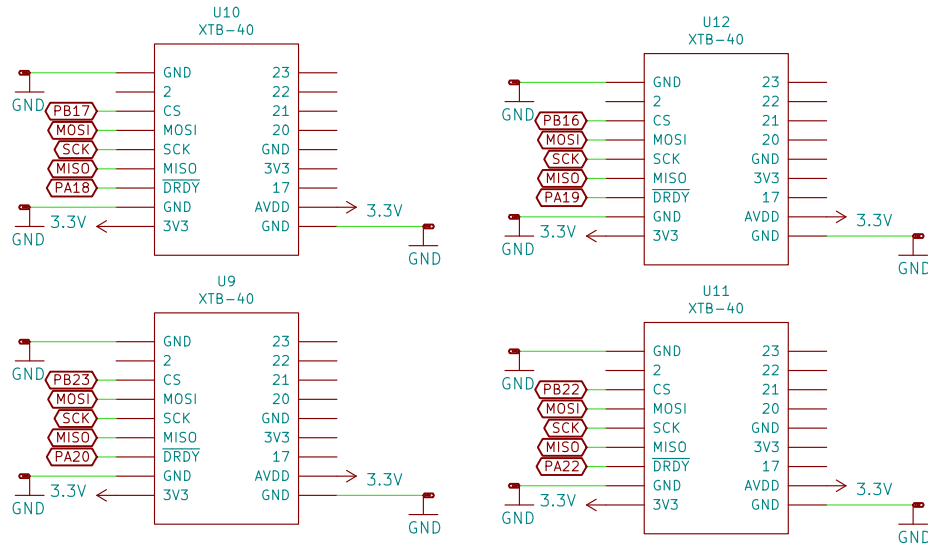
Sheet: /Burn Wires/
File: Burn_Wires.sch

Title: PyCubed Mainboard

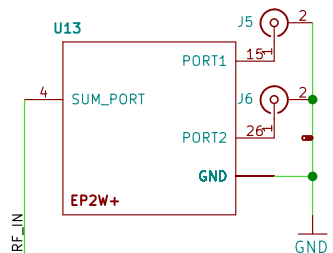
Size: User Date: 2020-01-08
KiCad E.D.A. eeschema (5.1.5)-3

Rev: v04
Id: 2/6

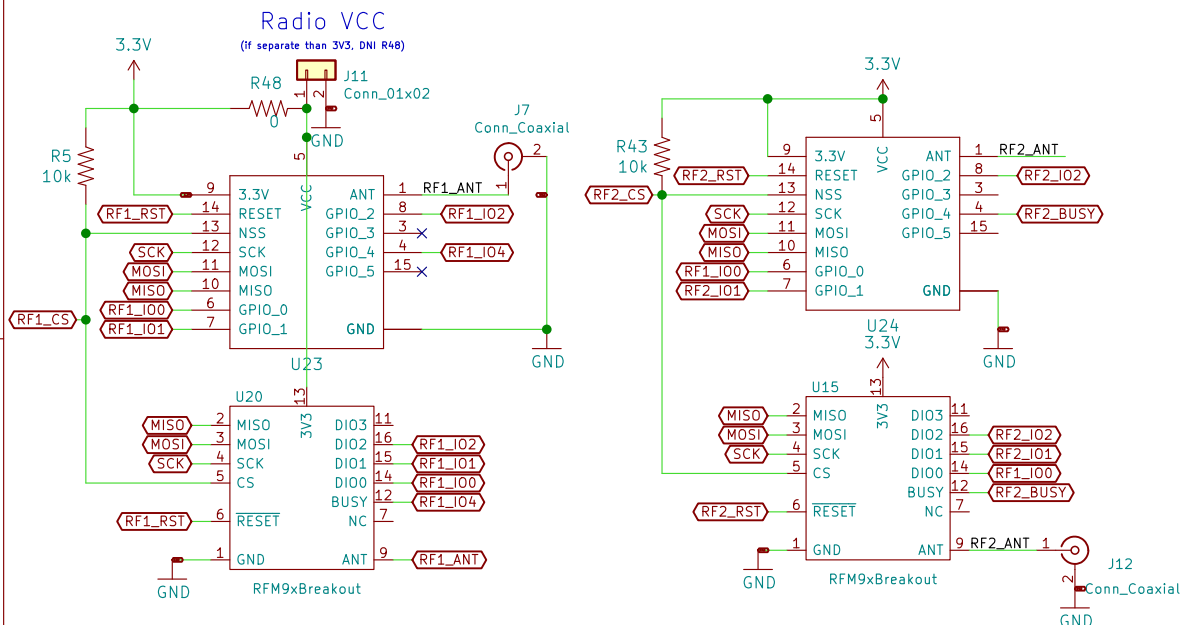
Modular Payloads



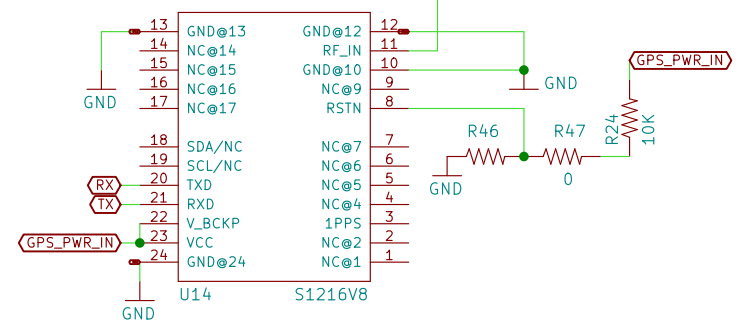
RF Splitter (2 Way, 0deg DC-Pass)



Modular Radios (HopeRF format)



GPS Module



Max Holliday
Zac Manchester

Radio, GPS, Payloads

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

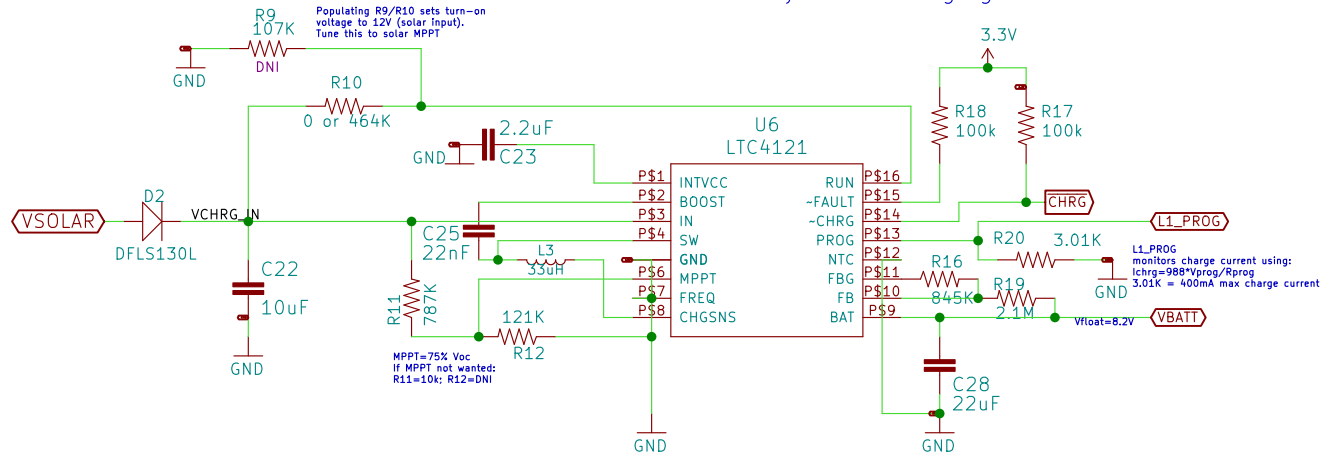
Title: PyCubed Mainboard

Size: A4 Date: 2020-01-08
KiCad E.D.A. eeschema (5.1.5)-3

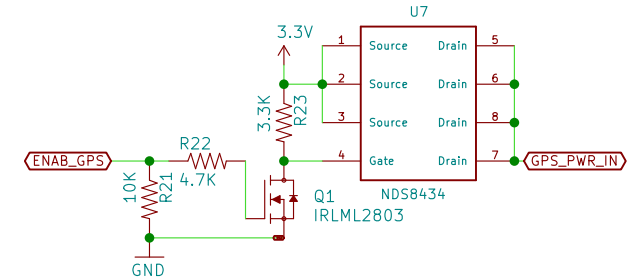
Rev: v04
Id: 3/6



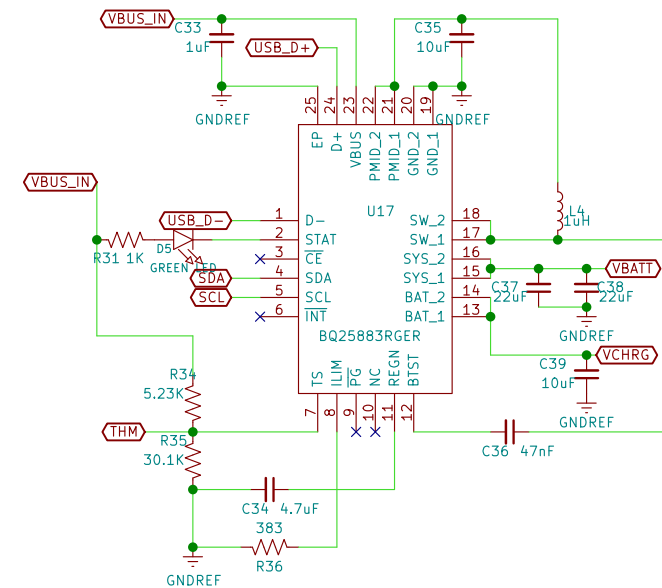
2s2P Li-Ion Battery Solar Charging Circuit



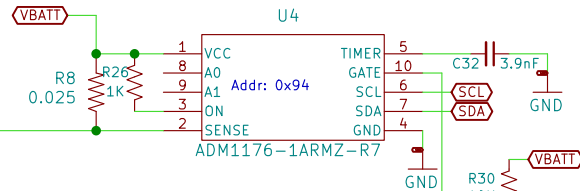
GPS Power



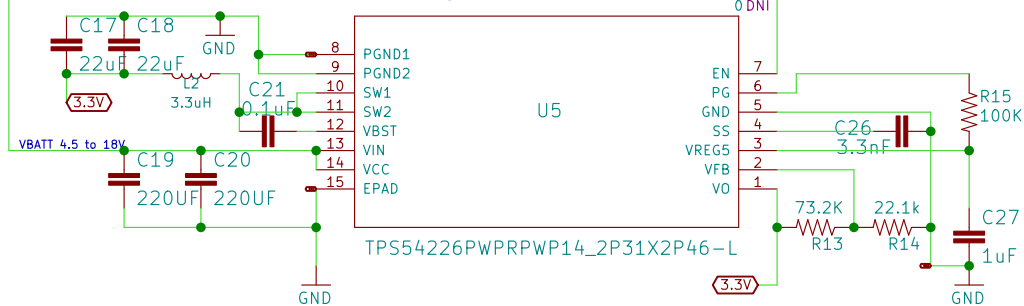
USB (Boost) Charging for 2-cell Li-Ion



System Power Monitor



Regulator - 3.3V OUT



Power

Max Holliday
Zac Manchester

Sheet: /Power/
File: Power.sch

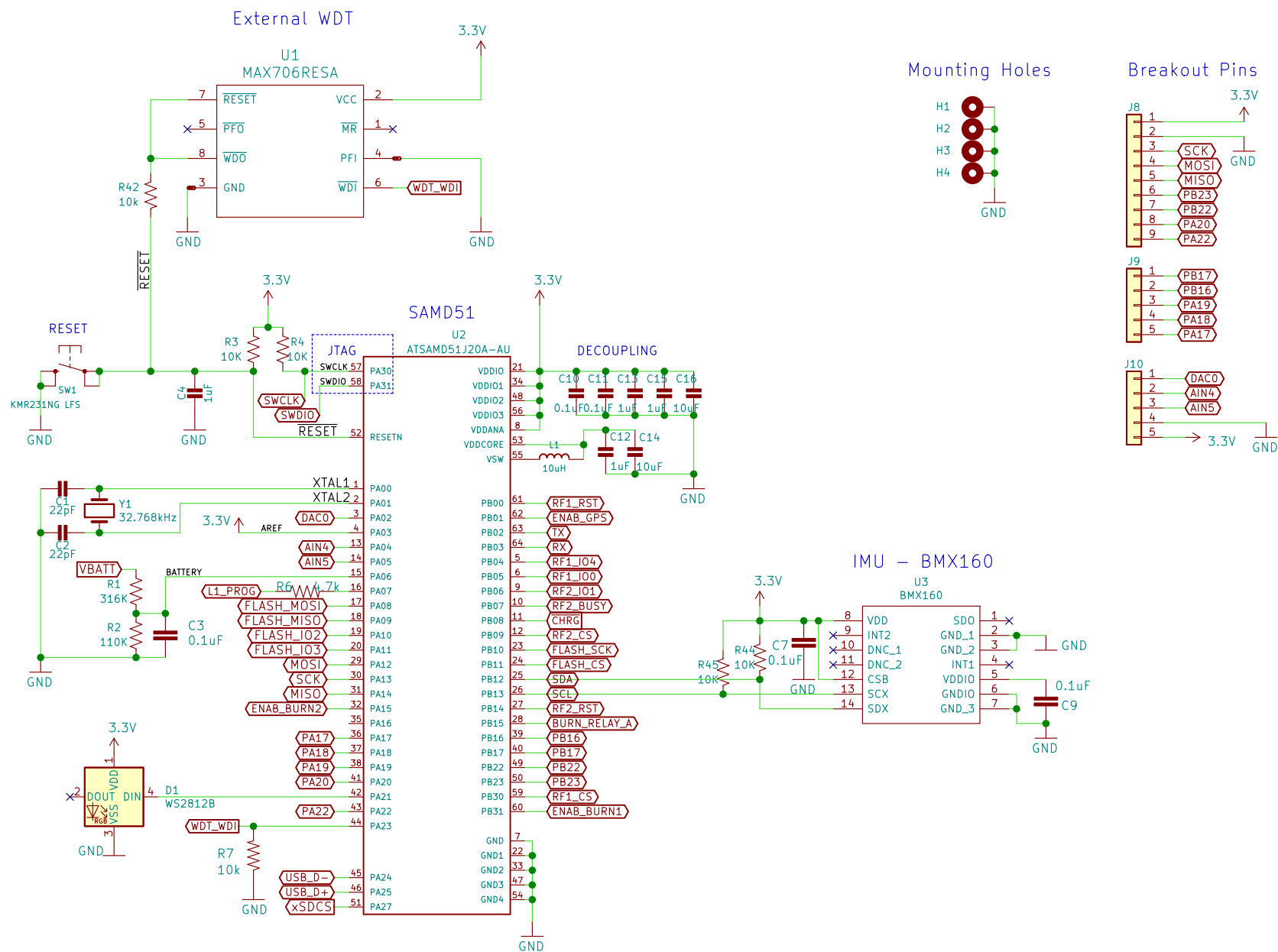
Title: PyCubed Mainboard

Size: A4 Date: 2020-01-08

KiCad E.D.A. eeschema (5.1.5)-3

Rev: v04

Id: 5/6



Max Holliday
Zac Manchester

Avionics

Sheet: /Avionics/
File: Avionics.sch

Title: PyCubed Mainboard

Size: User Date: 2020-01-08
KiCad E.D.A. eeschema (5.1.5)-3

Rev: v04
Id: 6/6