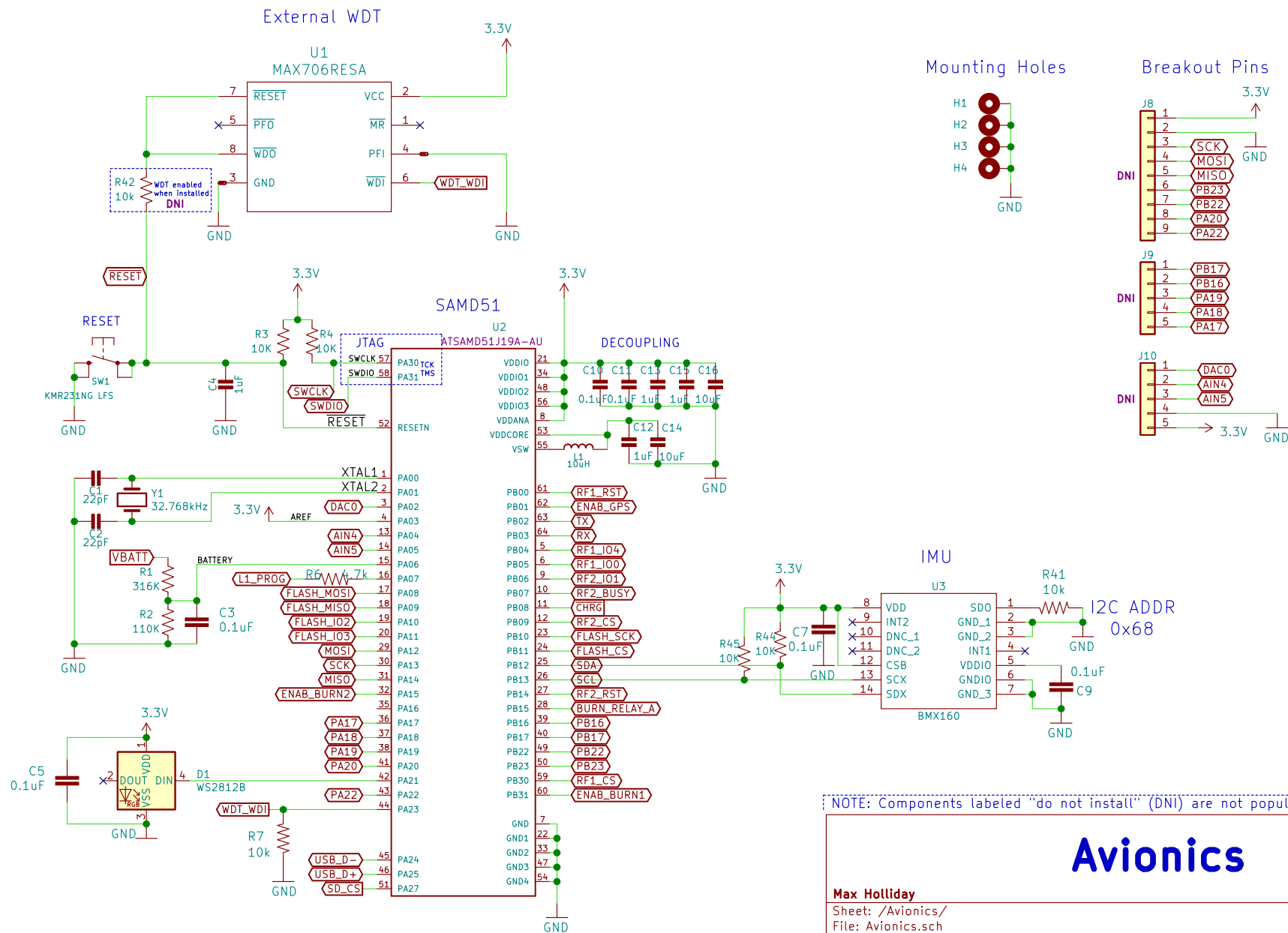


1	2	3	4	5	6	
A						
B	<div>Sheet: Avionics</div> <div>File: Avionics.sch</div>	<div>Sheet: Connectors</div> <div>File: Connectors.sch</div>	<div>Sheet: Power</div> <div>File: Power.sch</div>	<div>Sheet: Burn Wires</div> <div>File: Burn_Wires.sch</div>	<div>Sheet: RF and GPS</div> <div>File: RF_and_GPS.sch</div>	
C						
D	<div><div></div><div><div>Max Holliday</div><div>Sheet: /</div><div>File: mainboard.sch</div><div>Title: PyCubed Mainboard</div><div><div>Size: A4</div><div>Date: 2020-02-10</div><div>KiCad E.D.A. kicad (5.1.5)-3</div></div><div><div>Rev: v04</div><div>Id: 1/6</div></div></div></div>					
	1	2	3	4	5	6



NOTE: Components labeled "do not install" (DNI) are not populated by default

Avionics

Max Holliday		
Sheet: /Avionics/		
File: Avionics.sch		
Title: PyCubed Mainboard		
Size: A4	Date: 2020-02-10	Rev: v04
KiCad E.D.A. kicad (5.1.5)-3		Id: 2/6



Max Holliday

Title: PyCubed Mainboard

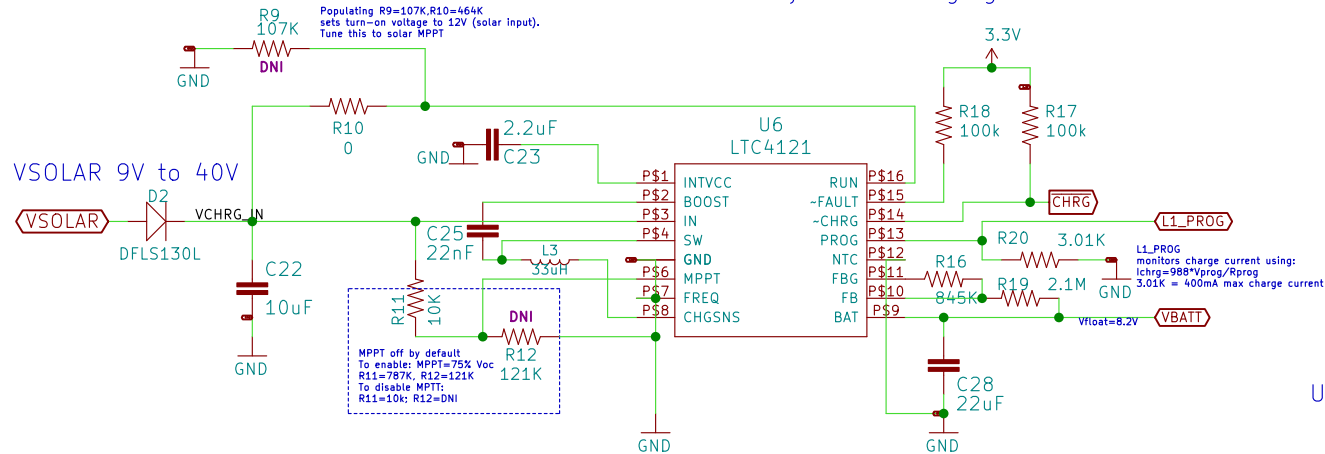
Size: A4	Date: 2020-02-10	Rev: v04
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KiCad E.D.A. kicad (5.1.5)-3	Id: 3/6
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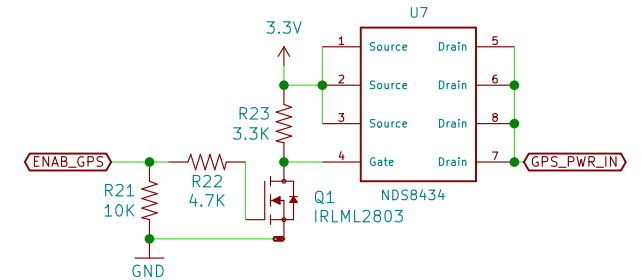
4	5	
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Id: 3/6

2s2P Li-Ion Battery Solar Charging Circuit

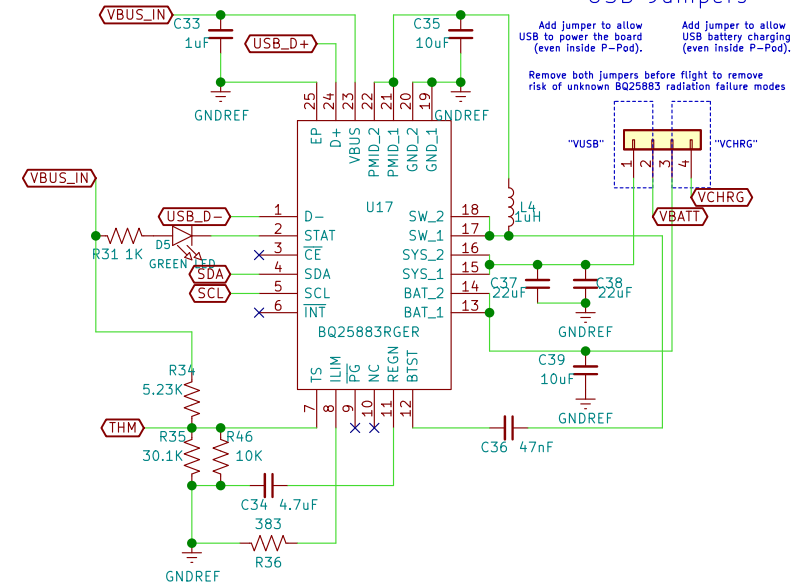


GPS Power

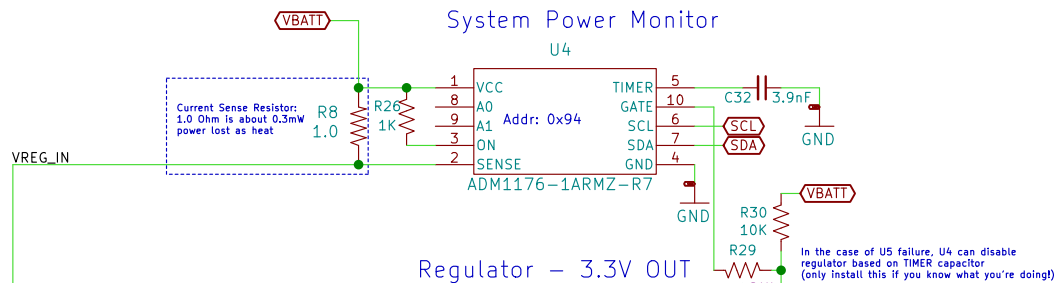


USB (Boost) Charging for 2-cell Li-Ion

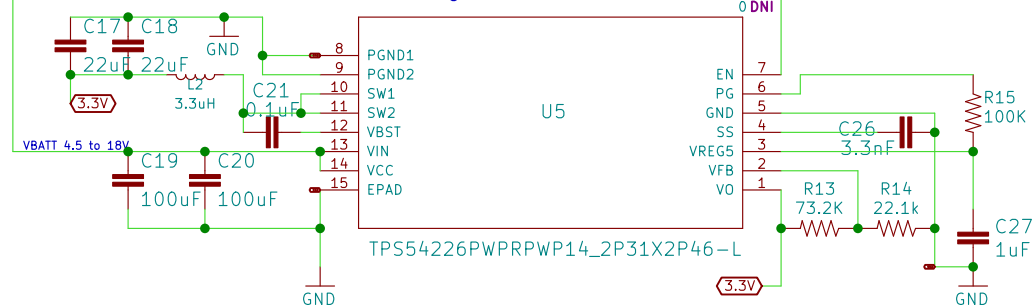
USB Jumpers



System Power Monitor



Regulator - 3.3V OUT



NOTE: Components labeled "do not install" (DNI) are not populated by default

Power

Max Holliday

Sheet: /Power/
File: Power.sch

Title: PyCubed Mainboard

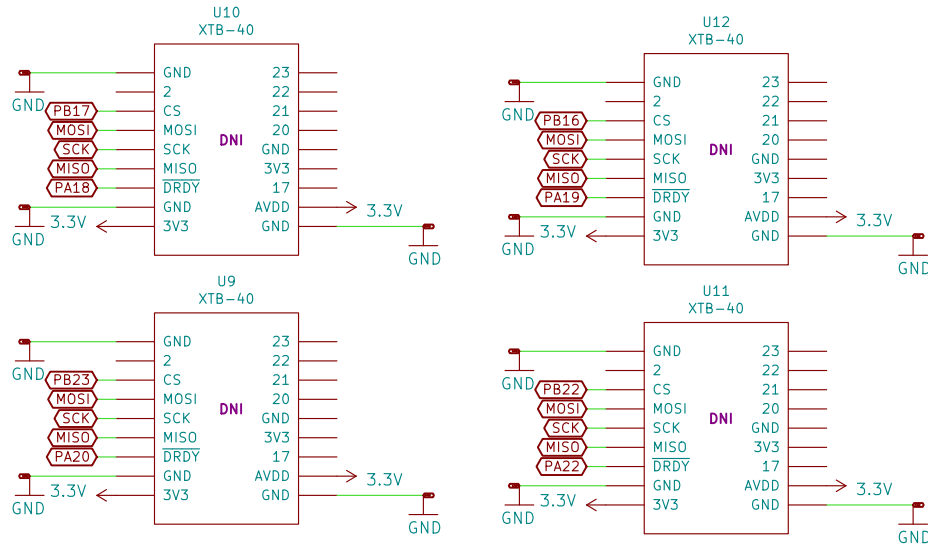
Size: A4 Date: 2020-02-10

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

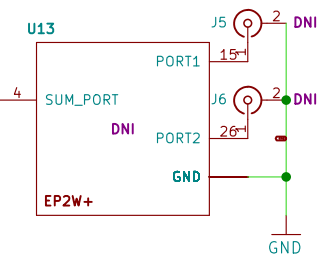
Rev: v04

Id: 4/6

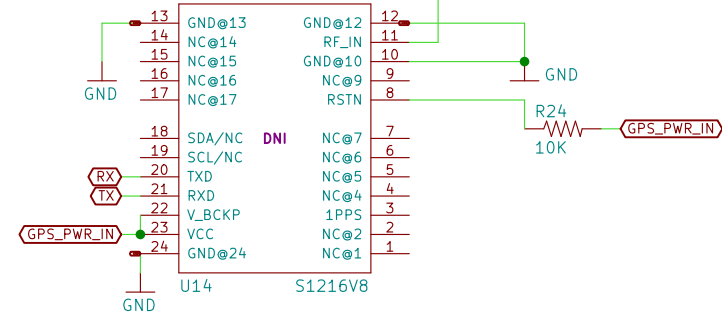
Modular Payloads



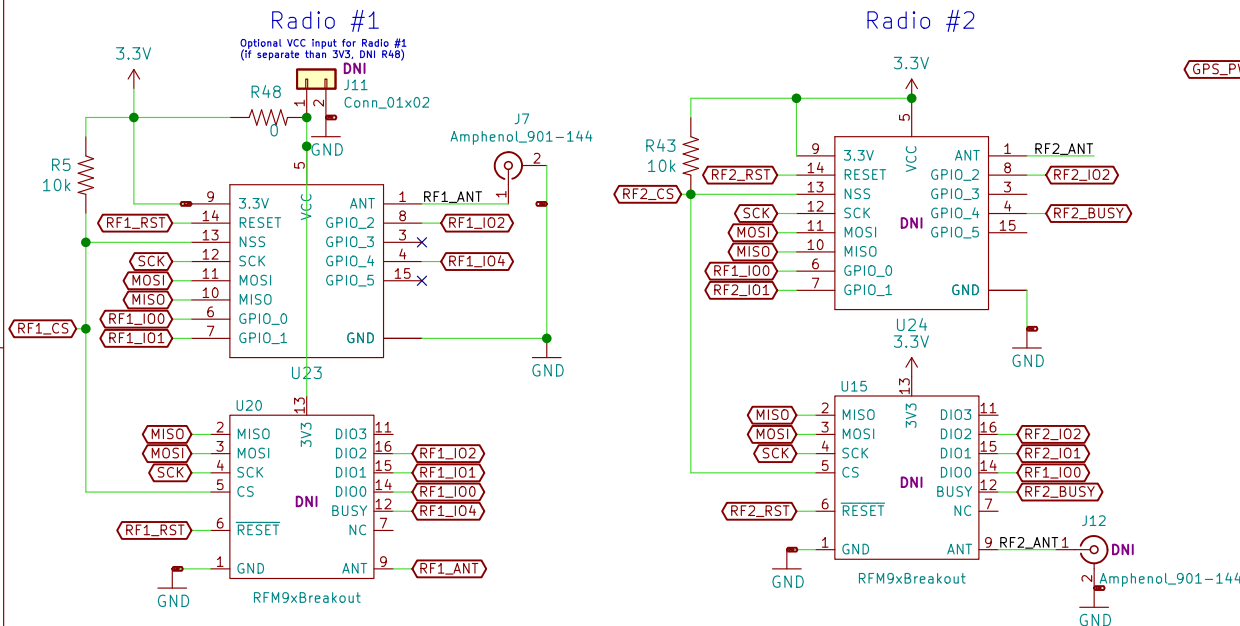
RF Splitter (2 Way, 0deg DC-Pass)



GPS Module



Modular Radios (HopeRF format)



NOTE: Components labeled "do not install" (DNI) are not populated by default

Radio, GPS, Payloads

Max Holliday

Sheet: /RF and GPS/

File: RF_and_GPS.sch

Title: PyCubed Mainboard

Size: A4 Date: 2020-02-10

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

Rev: v04

Id: 6/6