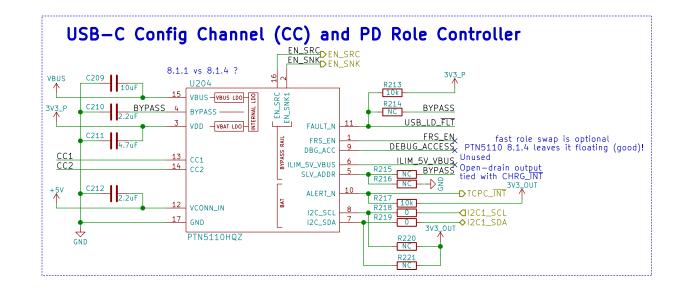
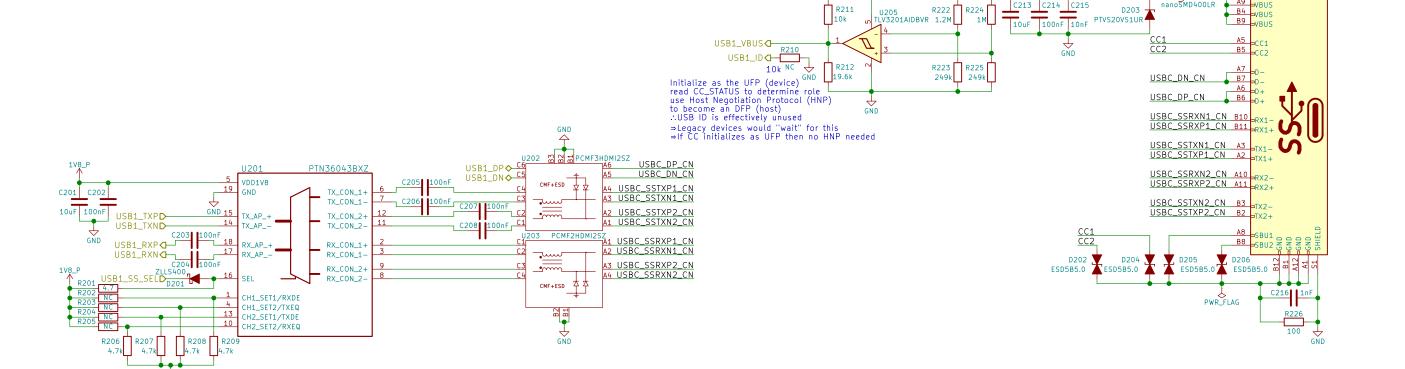


"Under dead battery operation, PTN5110 applies voltage clamps to both CC pins so that the system may receive power as a Sink. To support platforms with buck—boost configuration, PTN5110 asserts EN\_SNK1 pin based on validity of VBUS voltage (facilitates 5 V VBUS sinking)."



 $USB1_VBUS=+5V$  when VBUS>4.31V

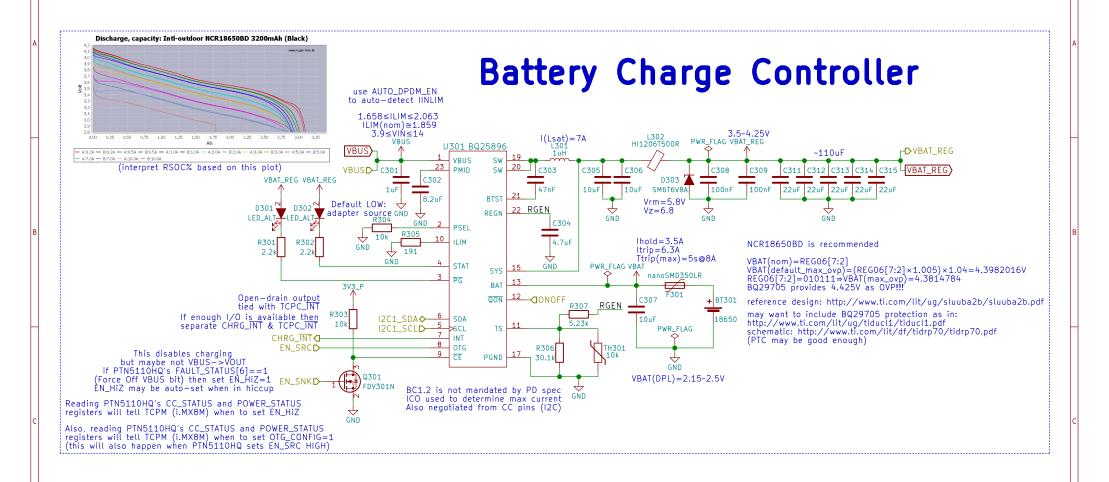


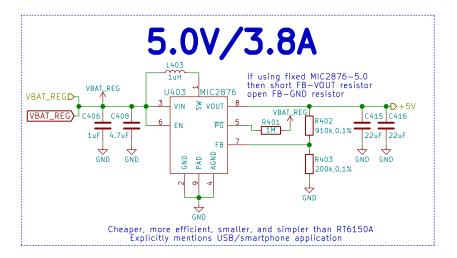
	GNU GPLv3				
	Copyright 2018				
	Purism SPC				
	File: usb-c.sch				
	Title: USB Type C				
	Size: A3	Date: 2018-05-15		Rev: v0.1.0	
	KiCad E.D.A. kic	ad 4.0.7		ld: 2/21	

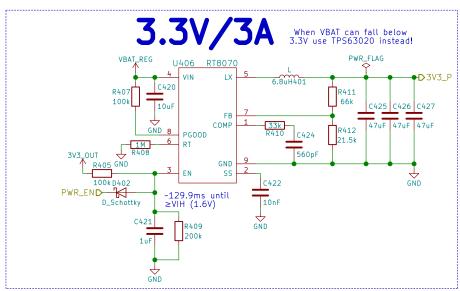
**VBUS** ◆ **D VBUS** 

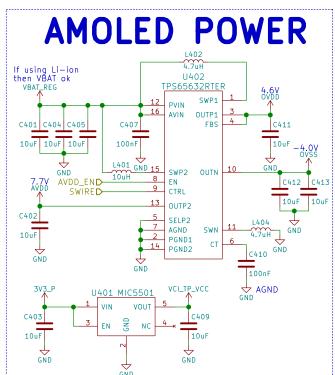
Ihold=4A Itrip=8A PWR\_FLAG F201\_ →

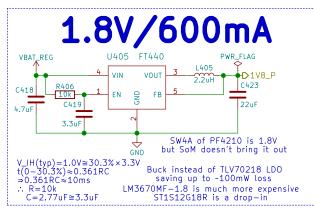
J201 USB\_C\_Receptacle

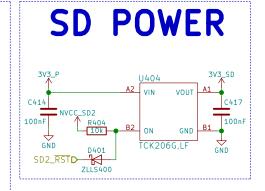












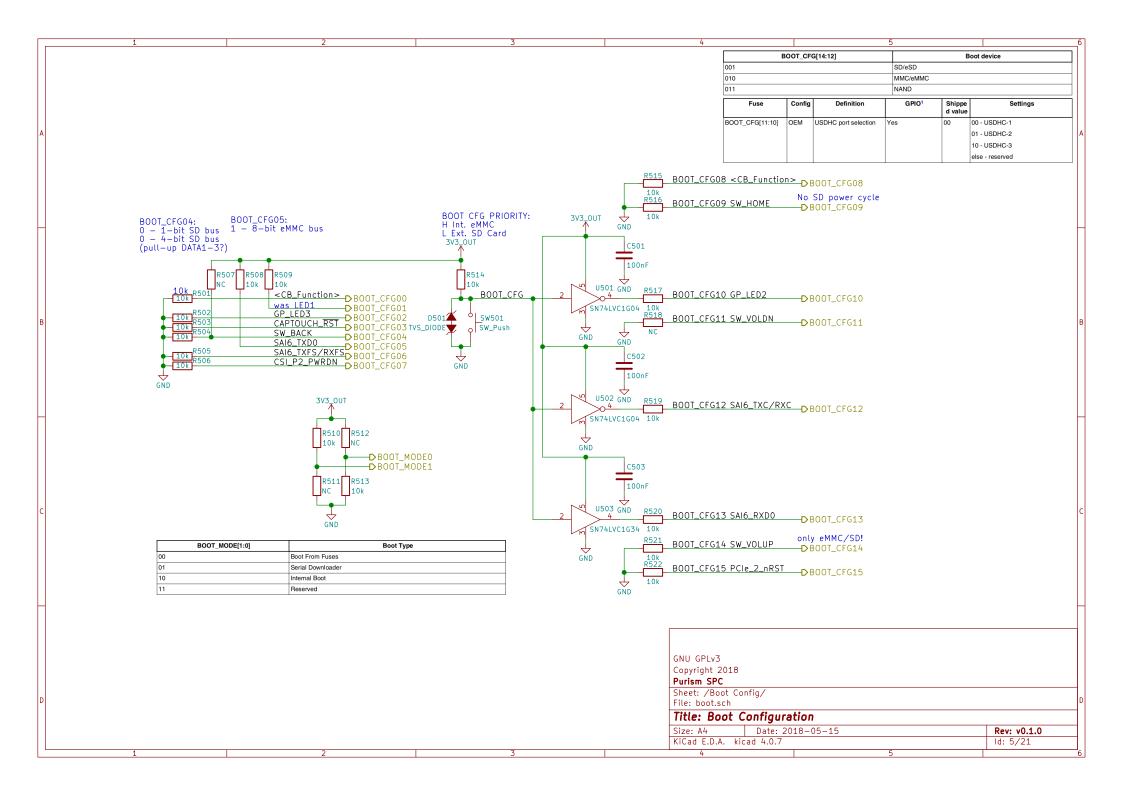
TODO:
add parallel 100nF bulk caps!
& spread all over the power plane

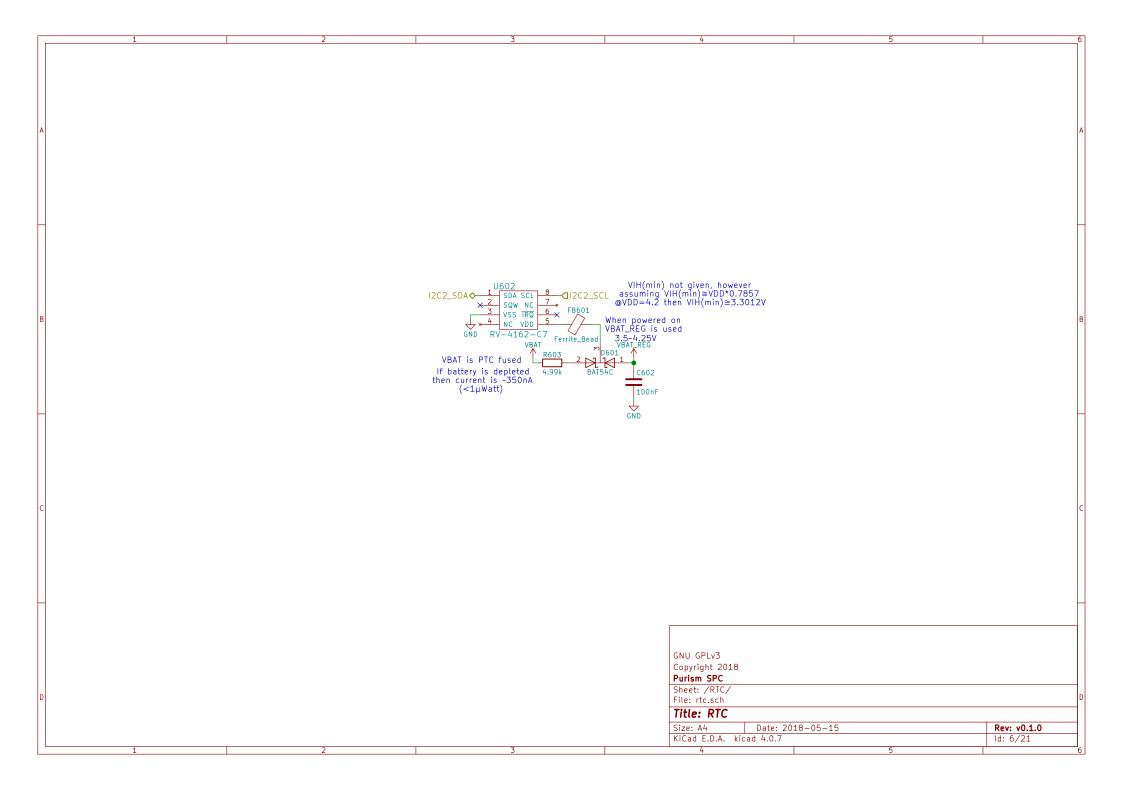
KiCad E.D.A. kicad 4.0.7

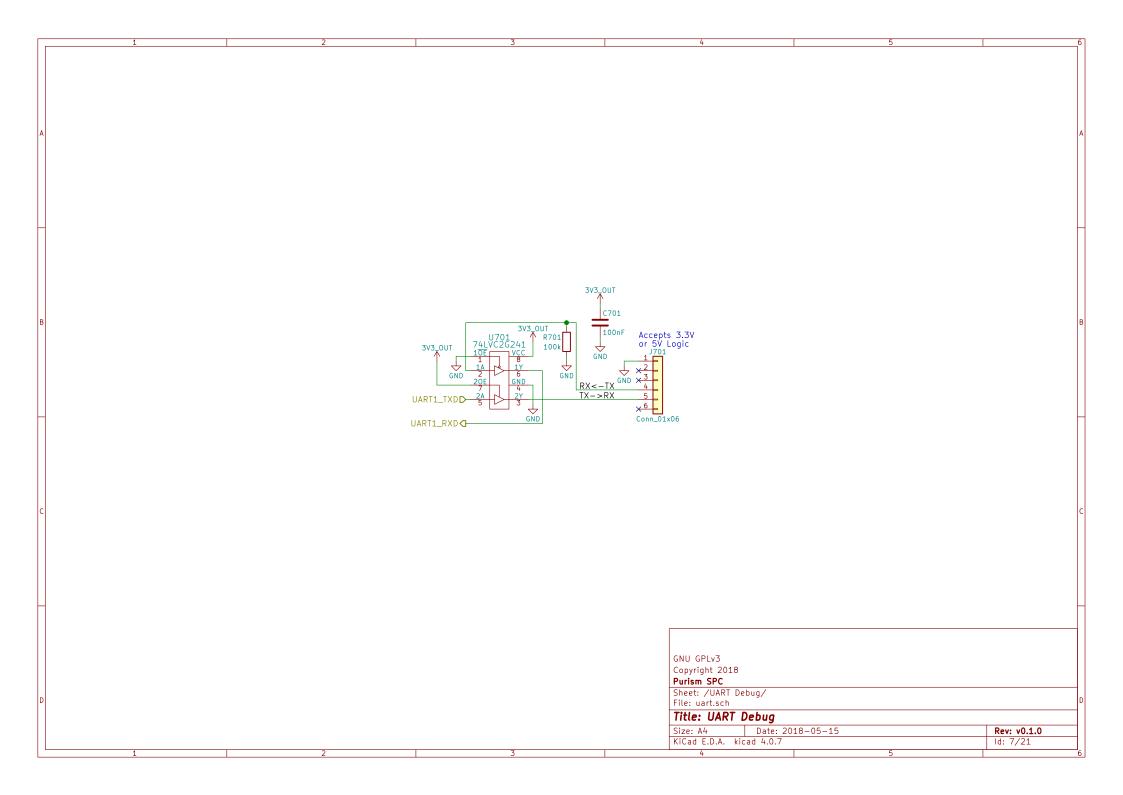
GNU GPLv3
Copyright 2018
Purism SPC
Sheet: /Power/
File: power.sch

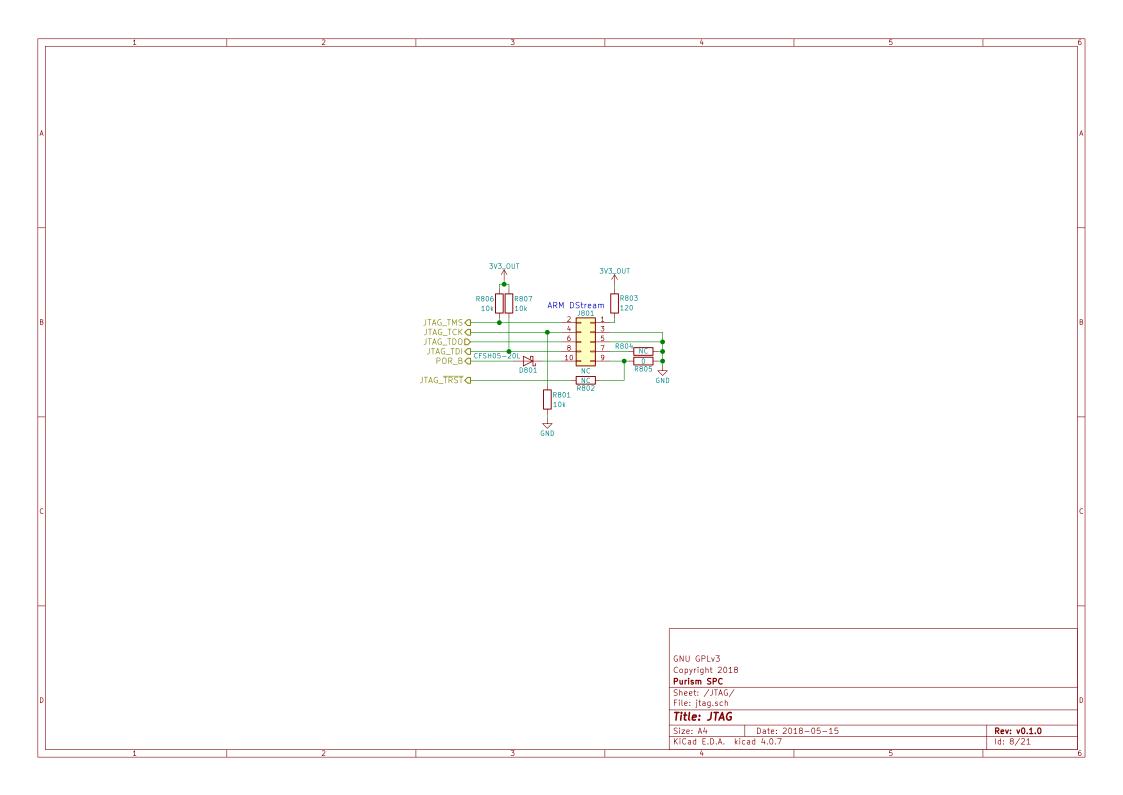
Title: Power
Size: A4 Date: 2018-05-15 Rev: v0.1.0

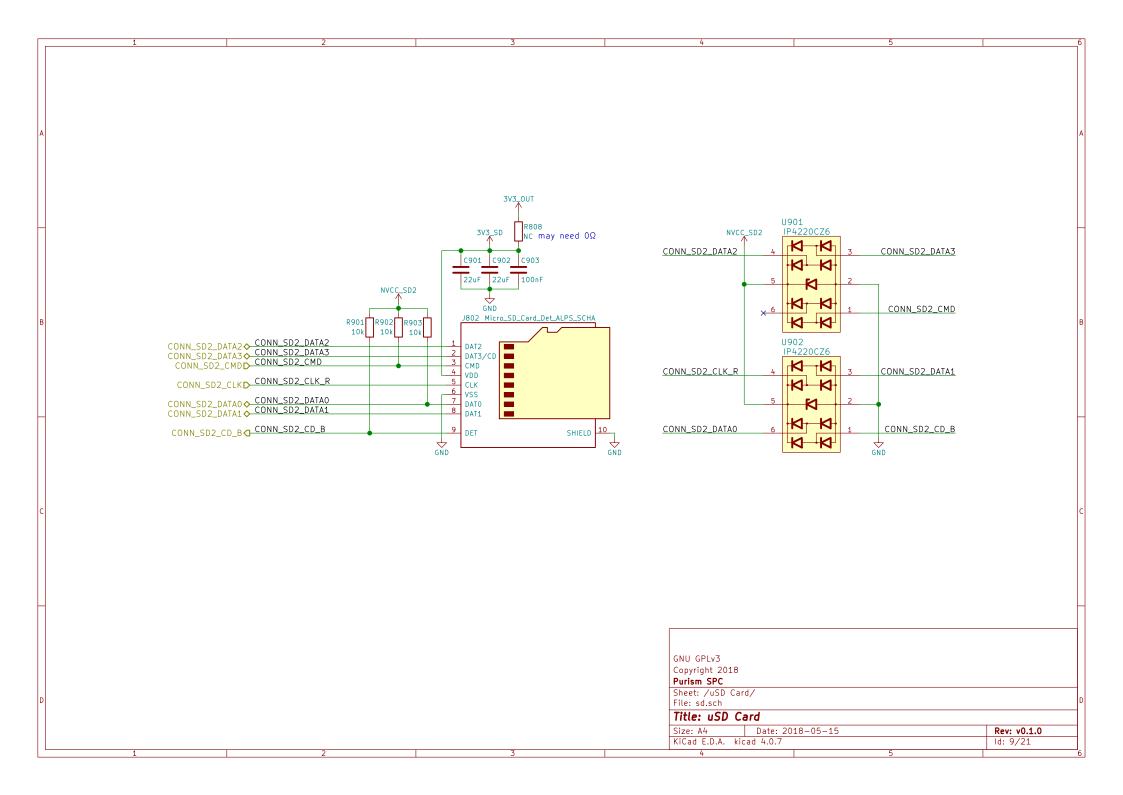
ld: 4/21

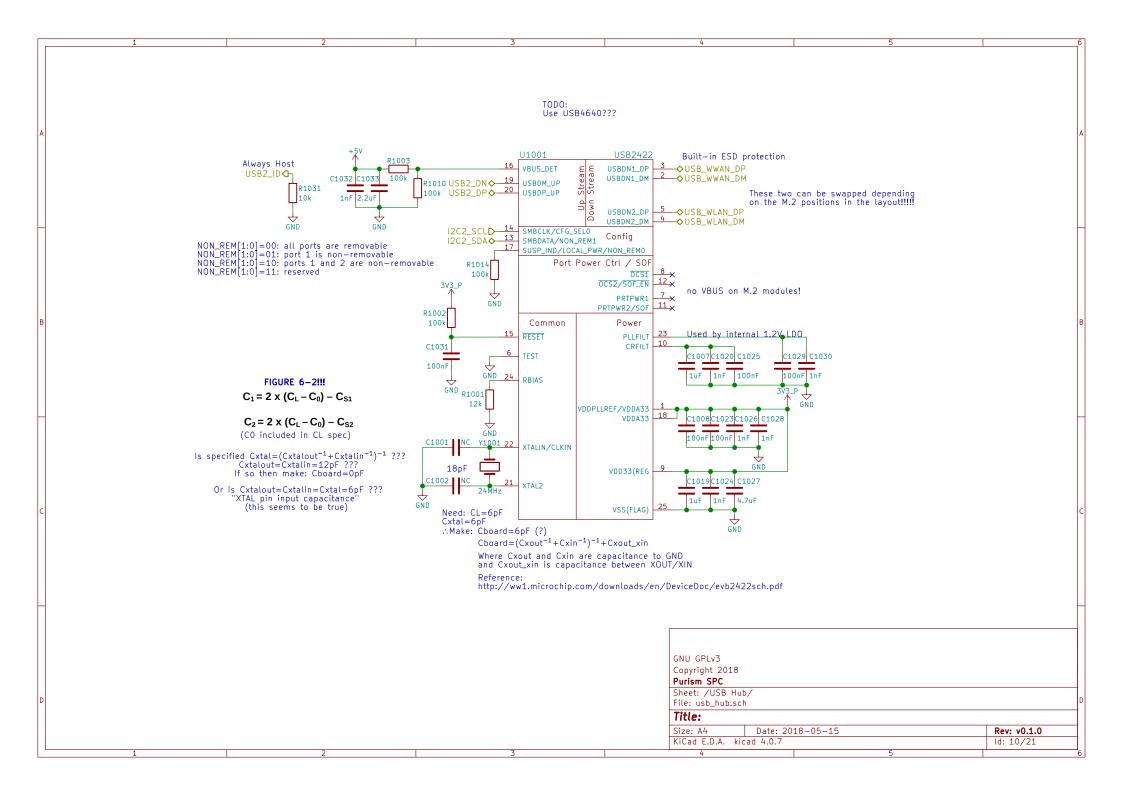


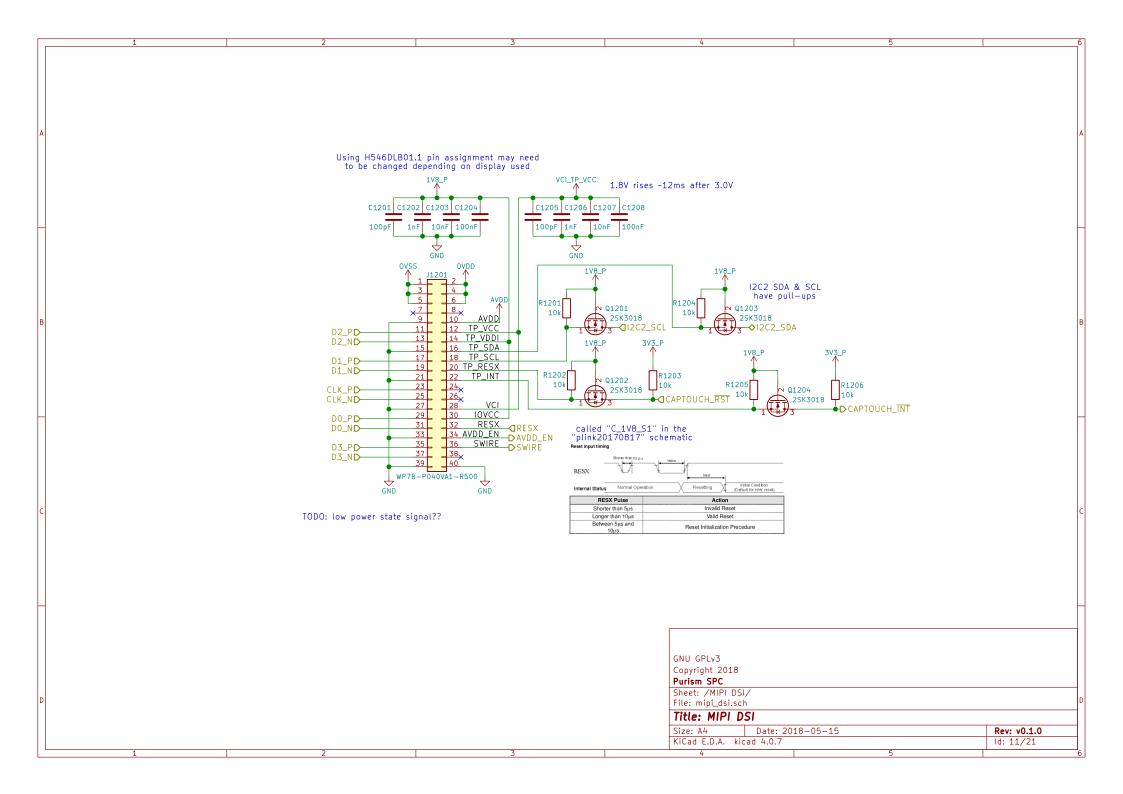


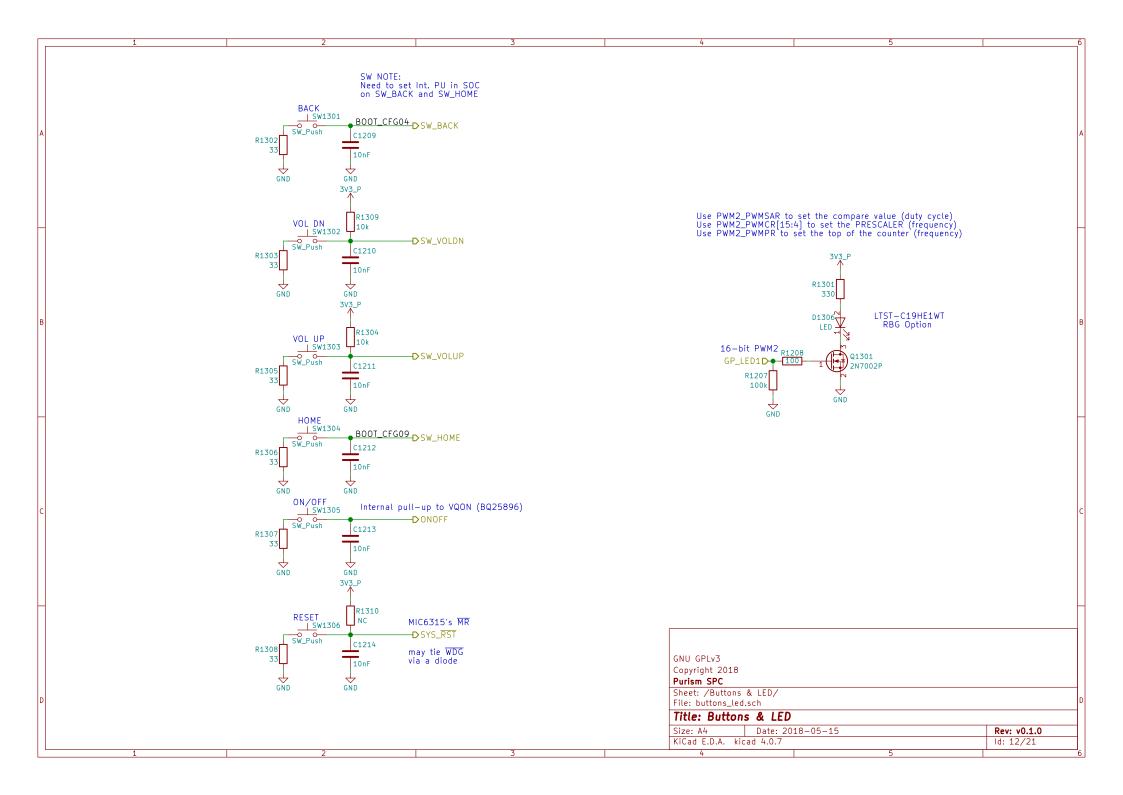


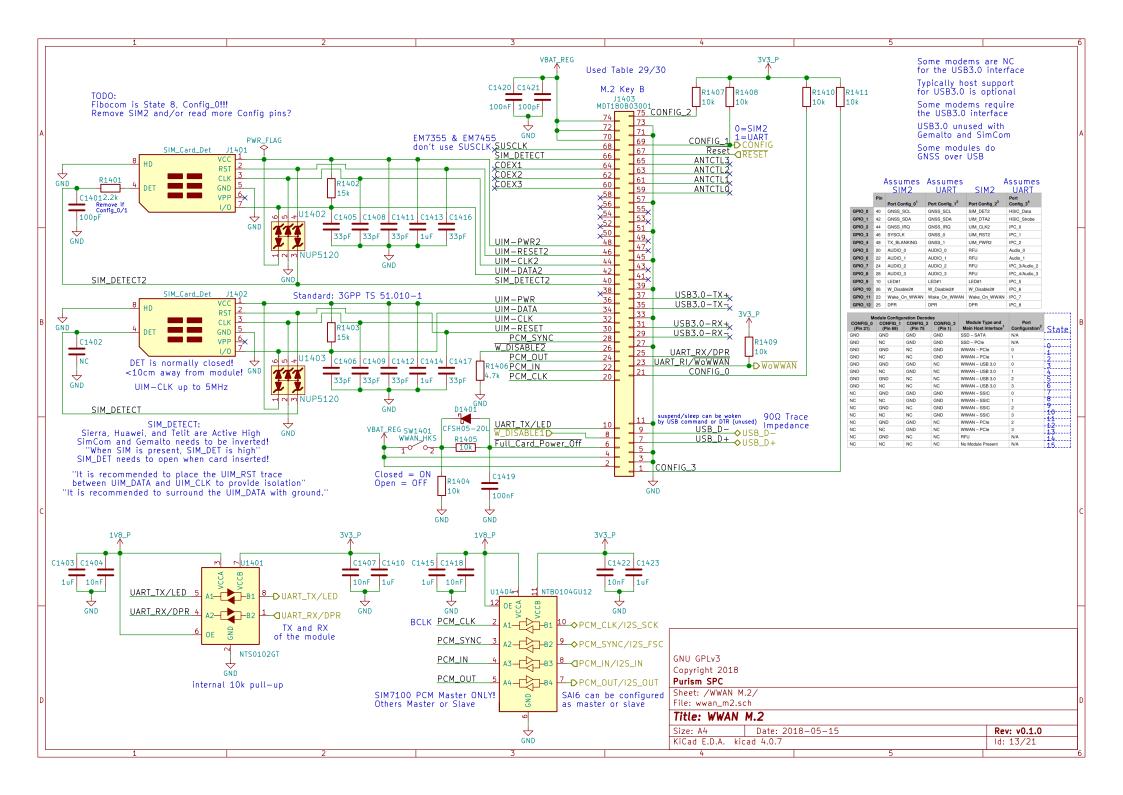


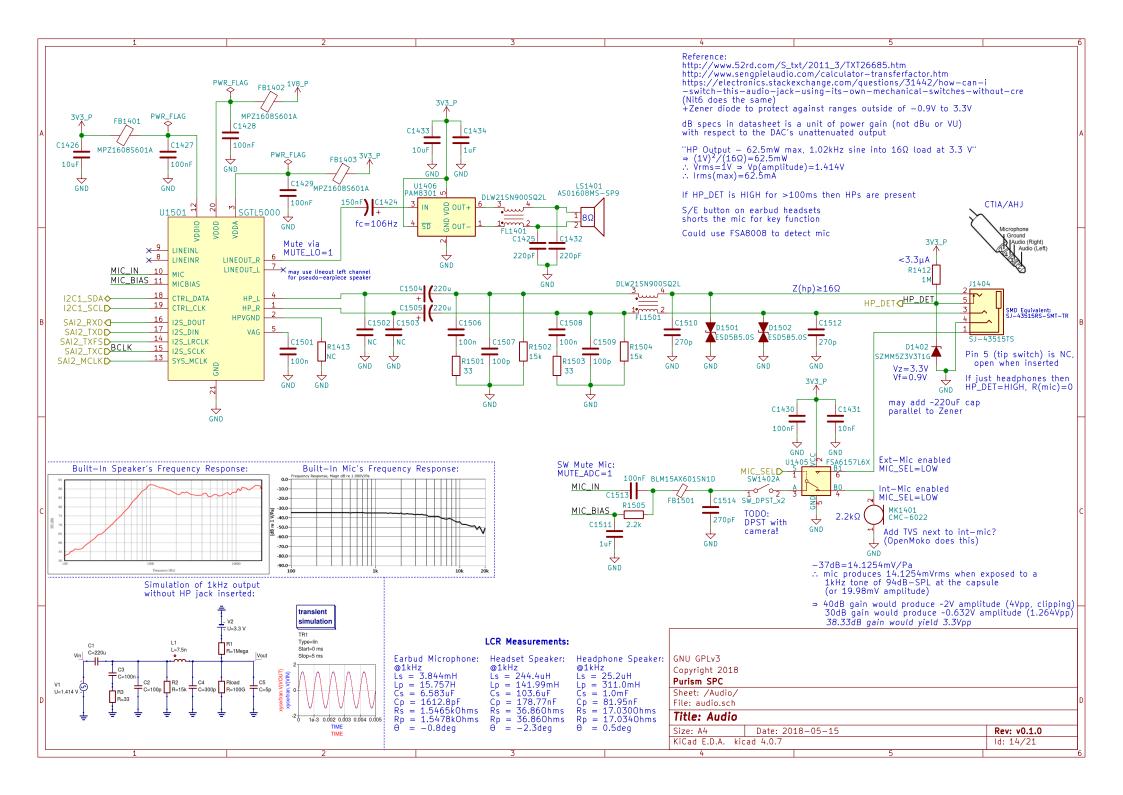


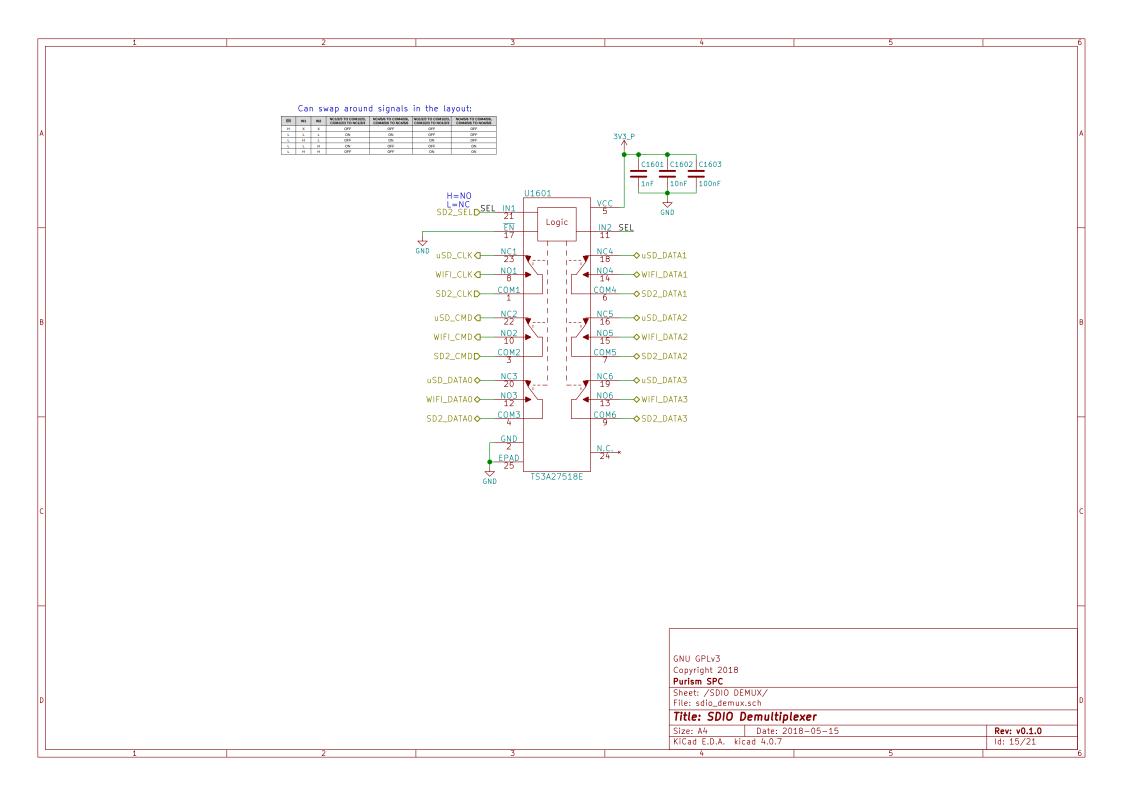


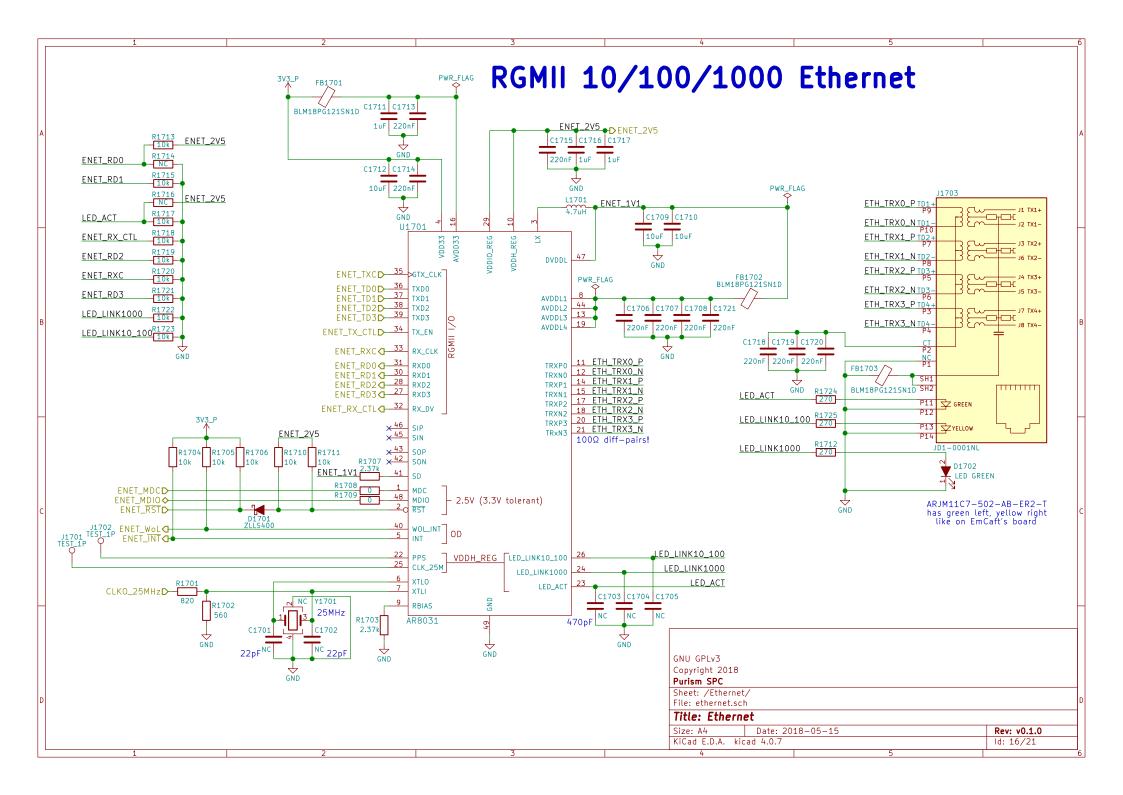


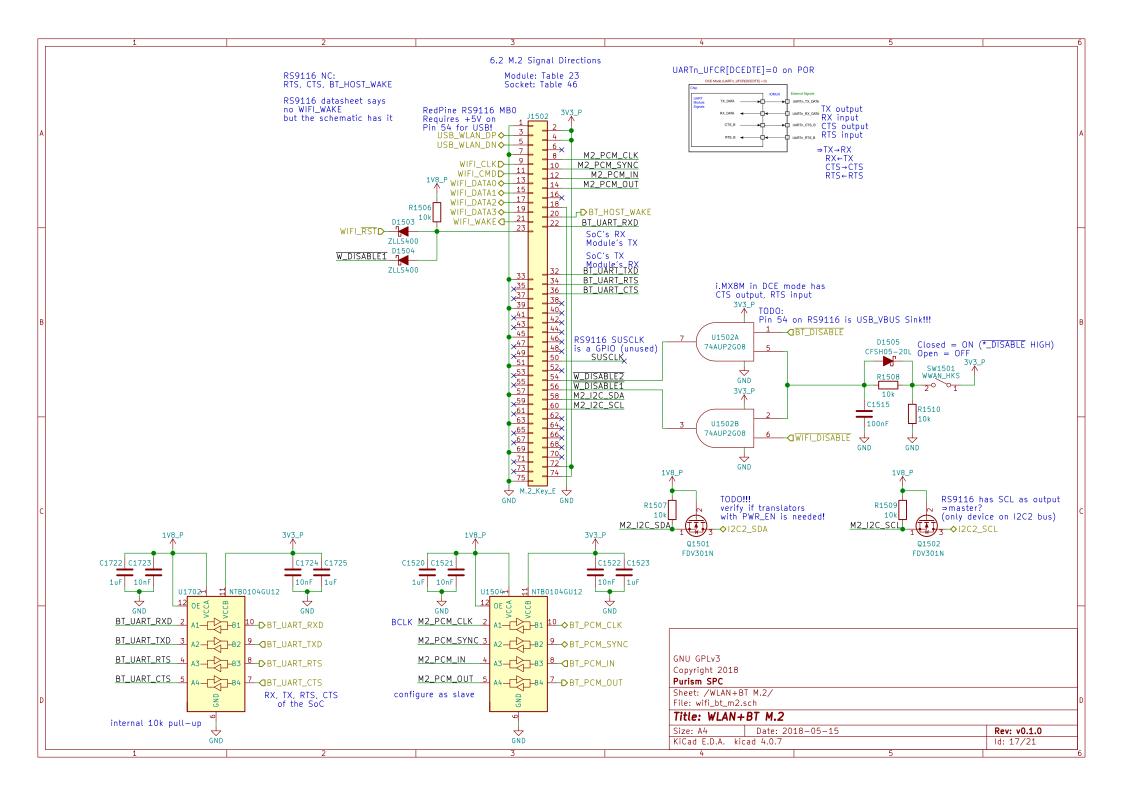


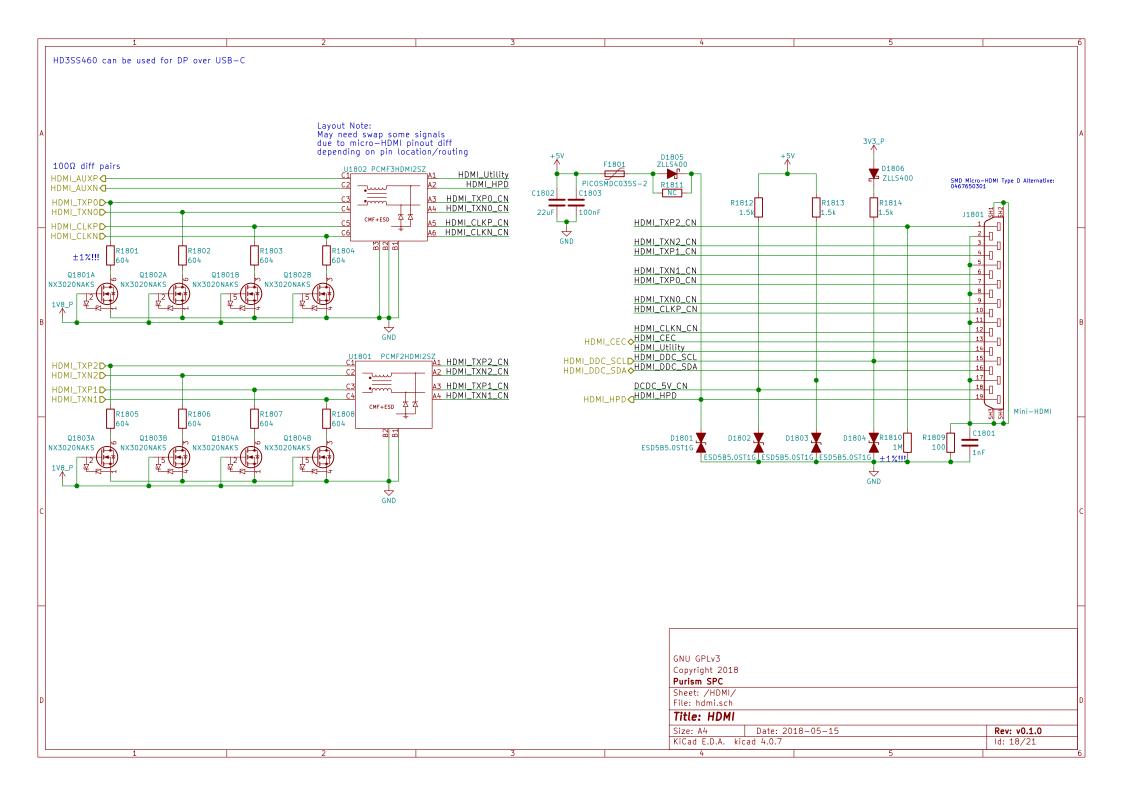




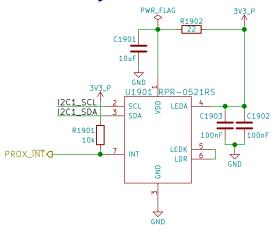




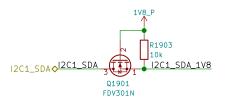




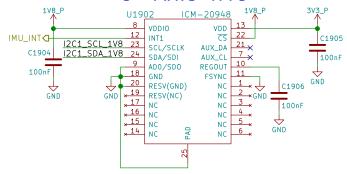
## Proximity & Ambient Light



Reference: http://www.rohm.com/web/global/sensor-shield-support/ps-als-sensor



## 9-Axis IMU



Peference:

https://store.invensense.com/datasheets/invensense/AN-IVS-0001EVB-00%20v1%202.pdf

ADO sets the slave address's LSB (110100X)

INT1\_ACTL sets if IMU\_INT
is active—high or active—low

"FSYNC - Connect to GND if unused"

12C's VIH=1.8V

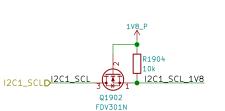




Figure 12. Orientation of Axes of Sensitivity and Polarity of Rotation



Figure 13. Orientation of Axes of Sensitivity for Magnetometer

GNU GPLv3
Copyright 2018
Purism SPC
Sheet: /Sensors/
File: sensors.sch

Tit	le:	Se	nso	rs
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Size: A4	Date: 2018-05-15	Rev: v0.1.0
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