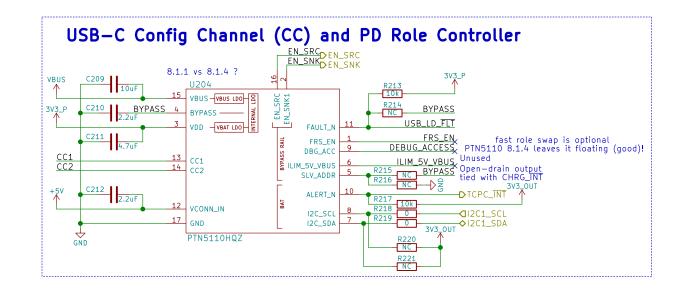


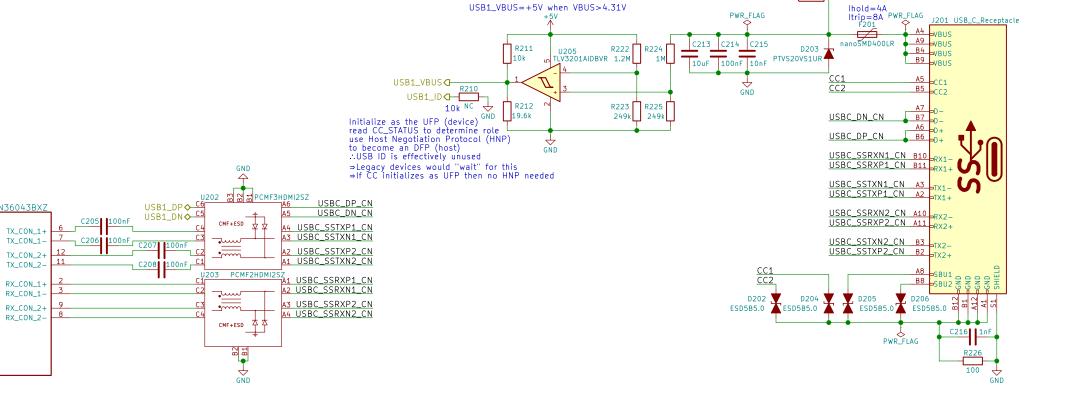
"Under dead battery operation, PTN5110 applies voltage clamps to both CC pins so that the system may receive power as a Sink. To support platforms with buck—boost configuration, PTN5110 asserts EN_SNK1 pin based on validity of VBUS voltage (facilitates 5 V VBUS sinking)."



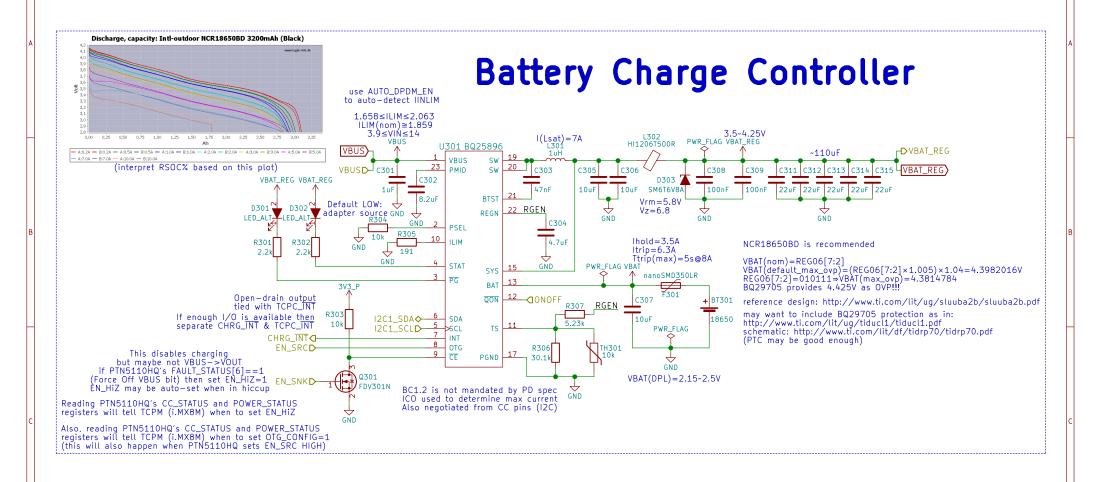
VDD1V8

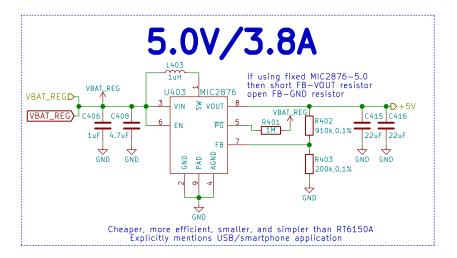
CH1_SET2/TXEQ CH2_SET1/TXDE CH2_SET2/RXEQ

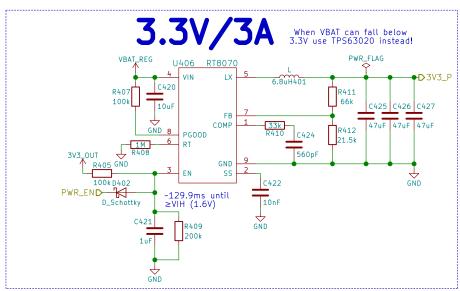
USB1_SS_SELD

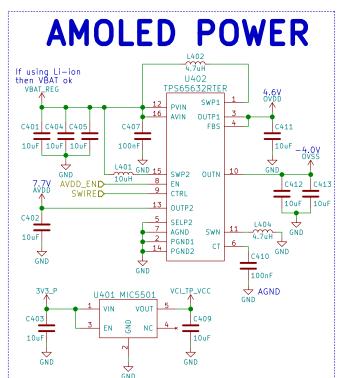


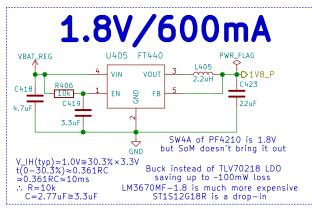
VBUS ◆ D VBUS

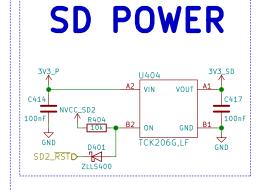












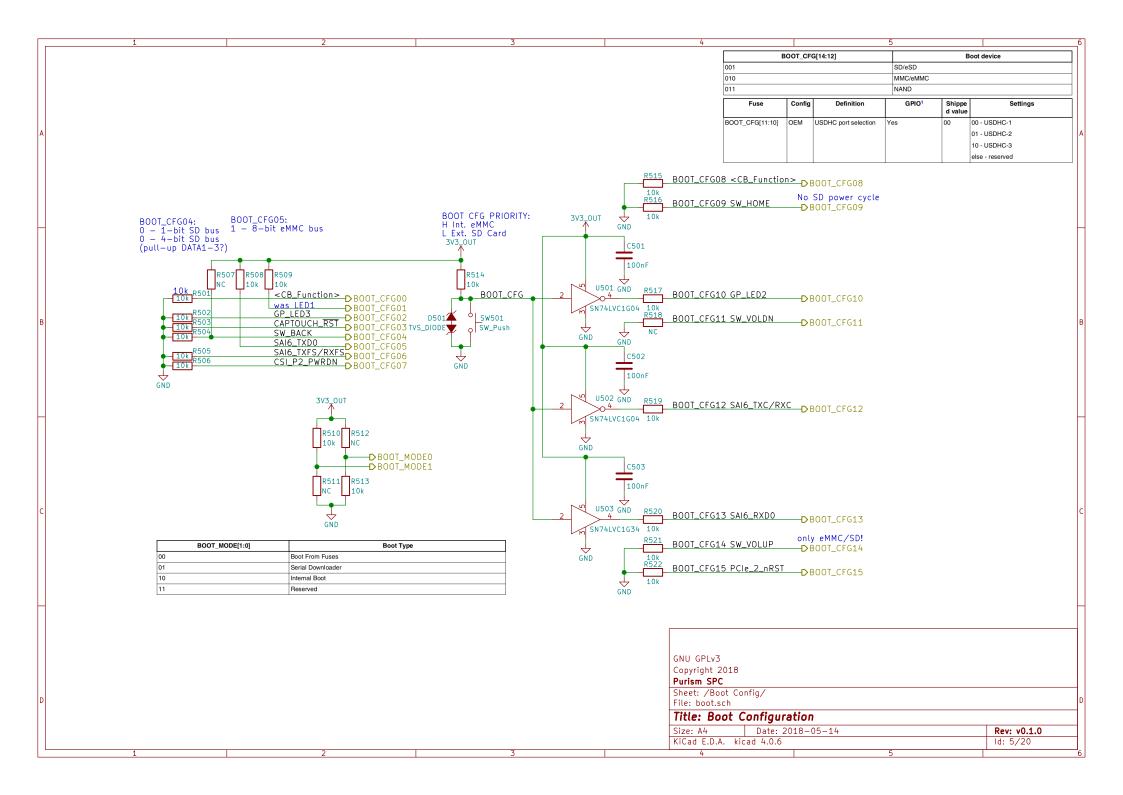
TODO: add parallel 100nF bulk caps! & spread all over the power plane

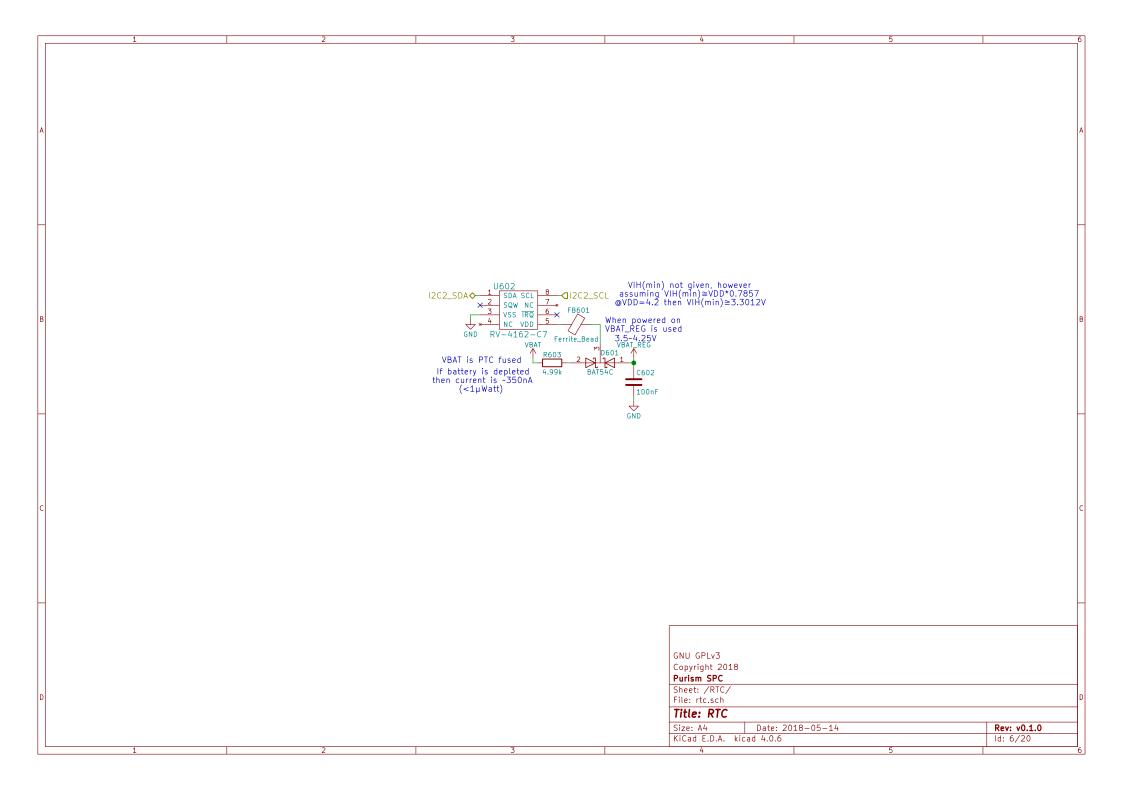
GNU GPLv3
Copyright 2018
Purism SPC
Sheet: /Power/
File: power.sch

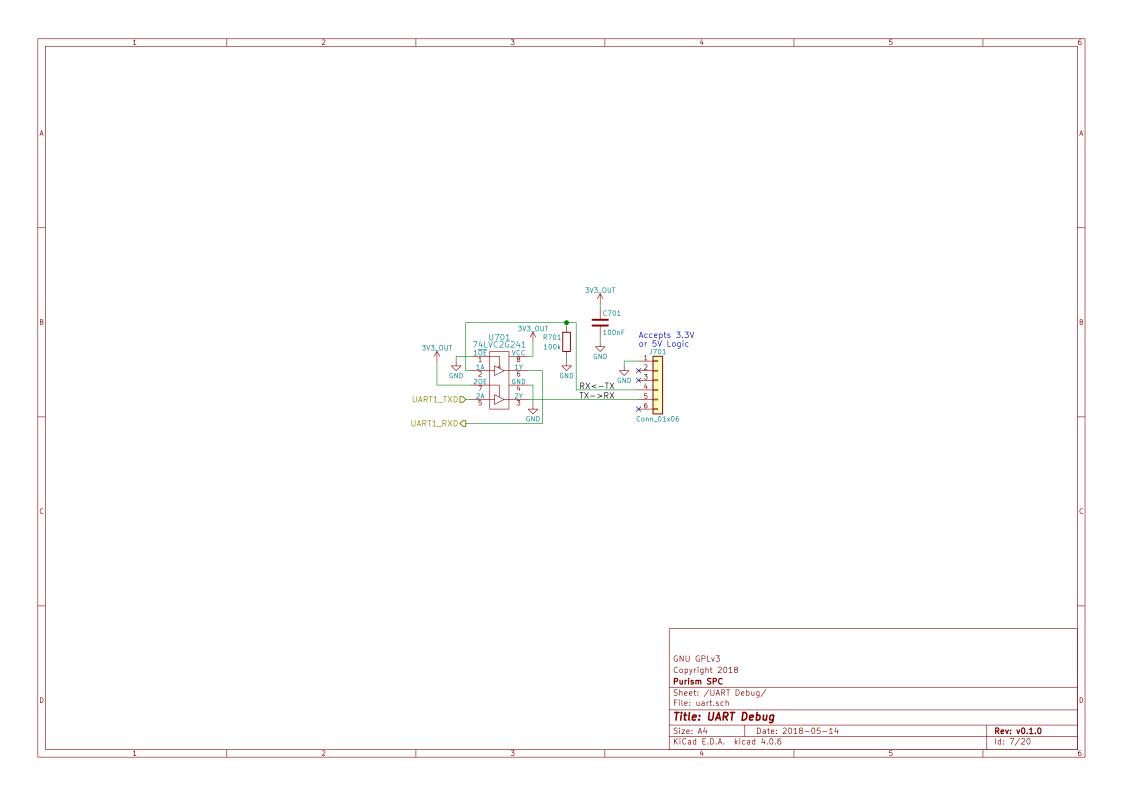
Title: Power
Size: A4 Date: 2018-05-14 Rev: v0.1.0

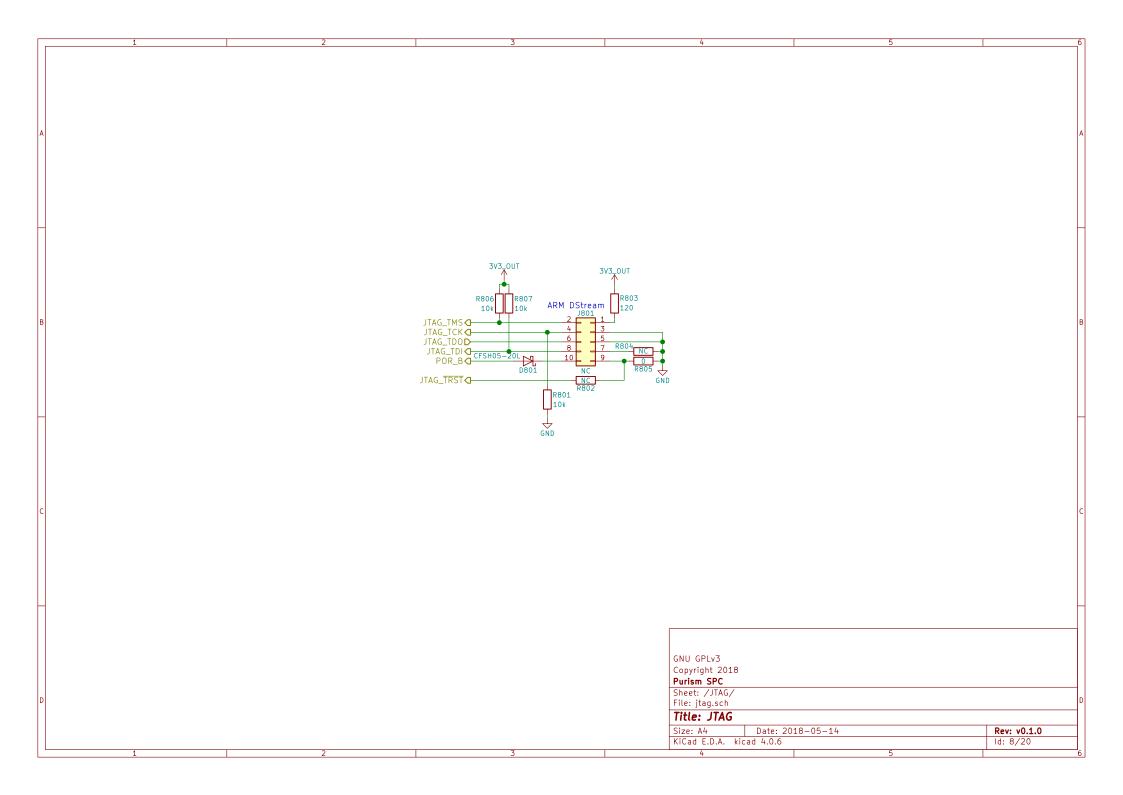
 Size: A4
 Date: 2018-05-14
 Rev: v0.1.0

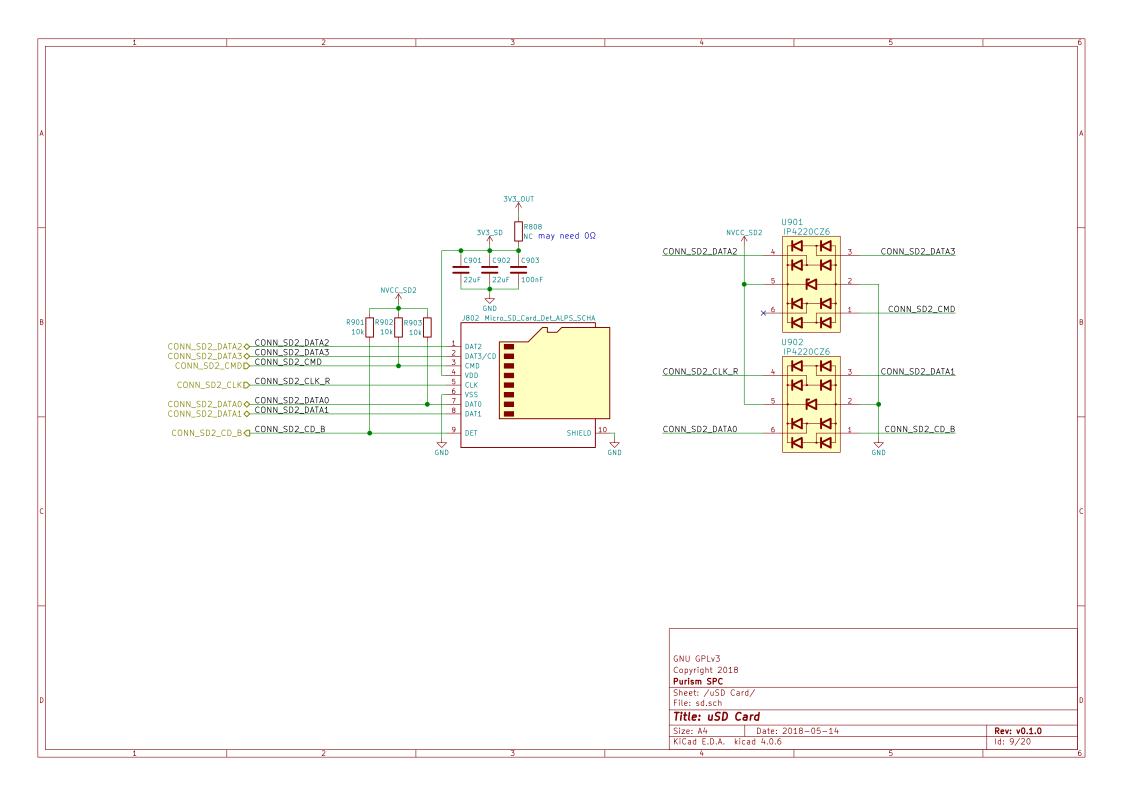
 KiCad E.D.A. kicad 4.0.6
 Id: 4/20

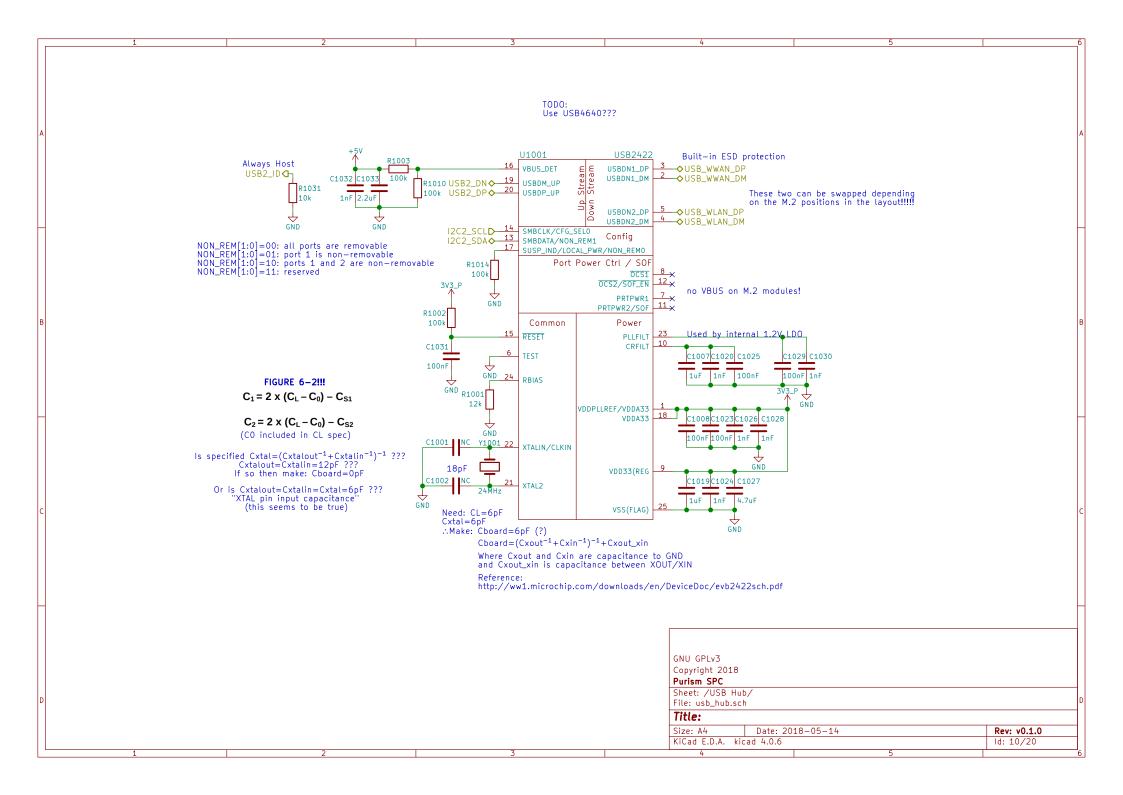


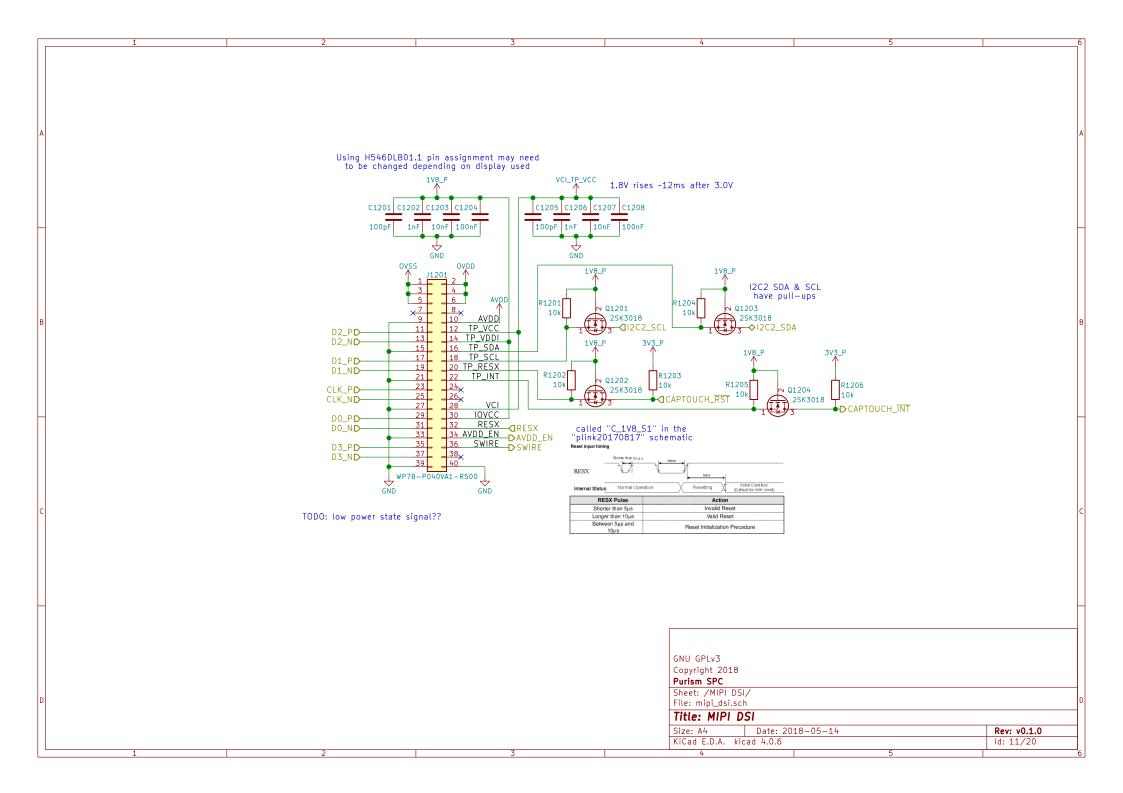


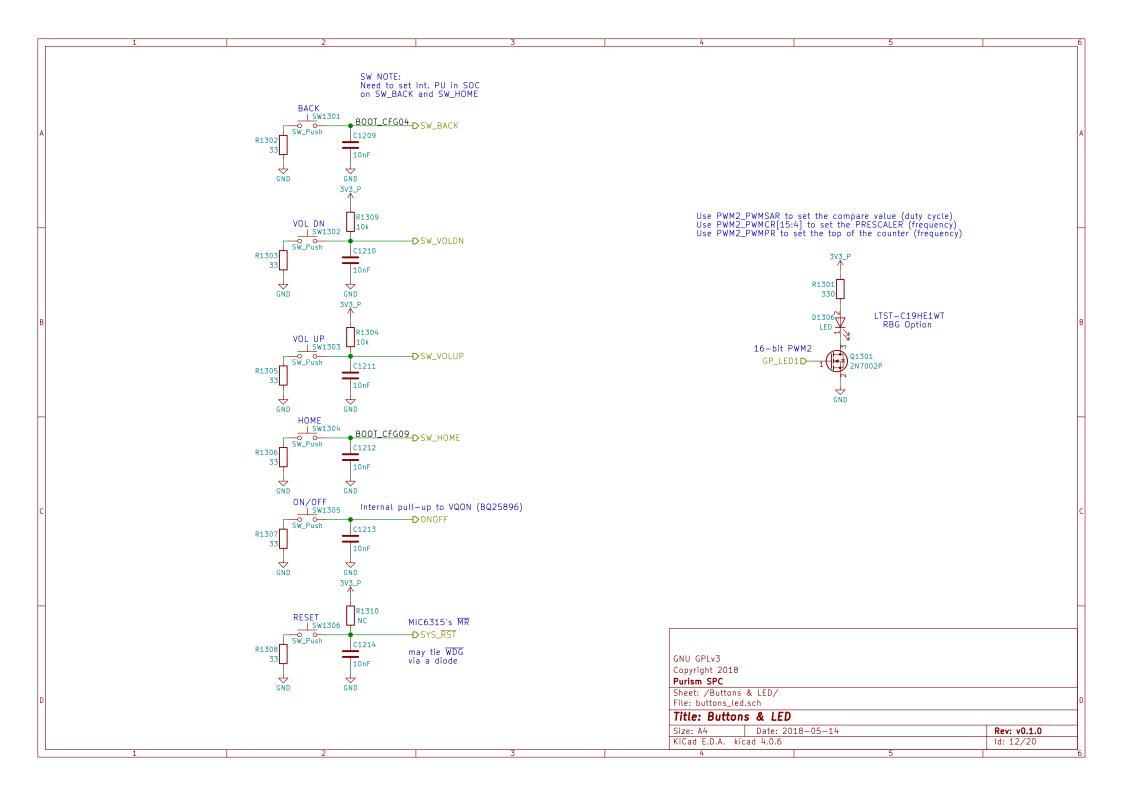


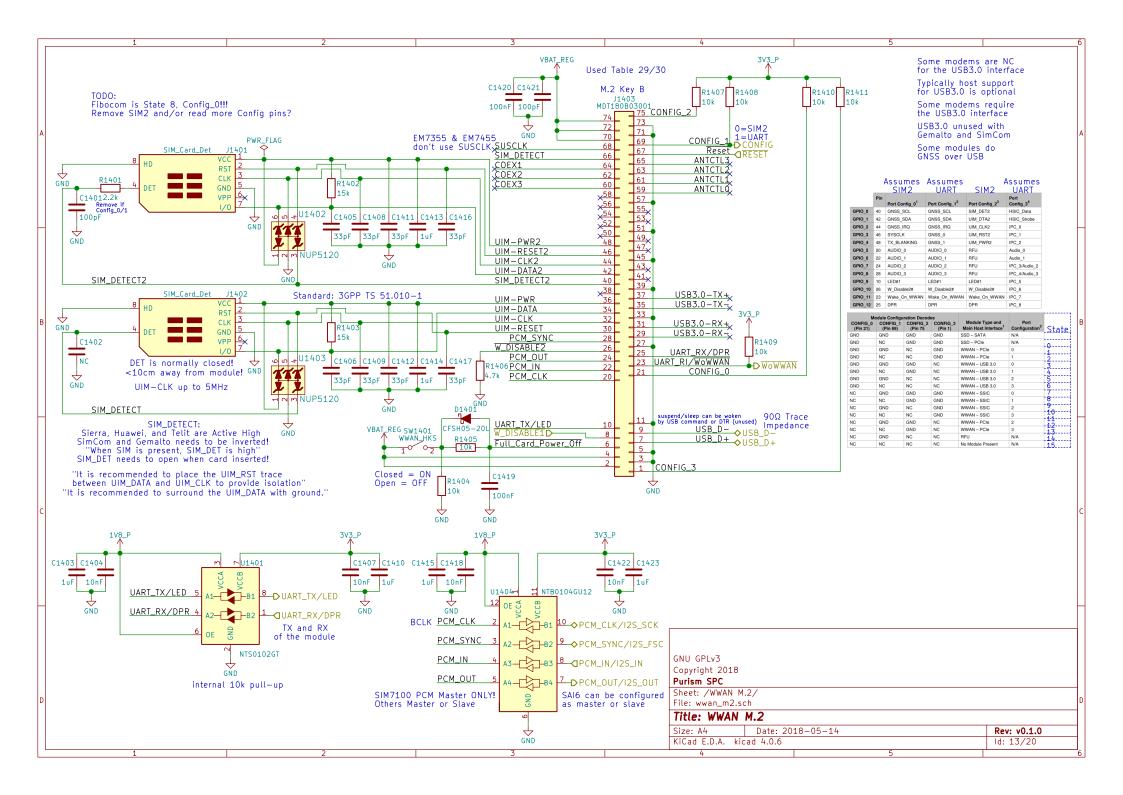


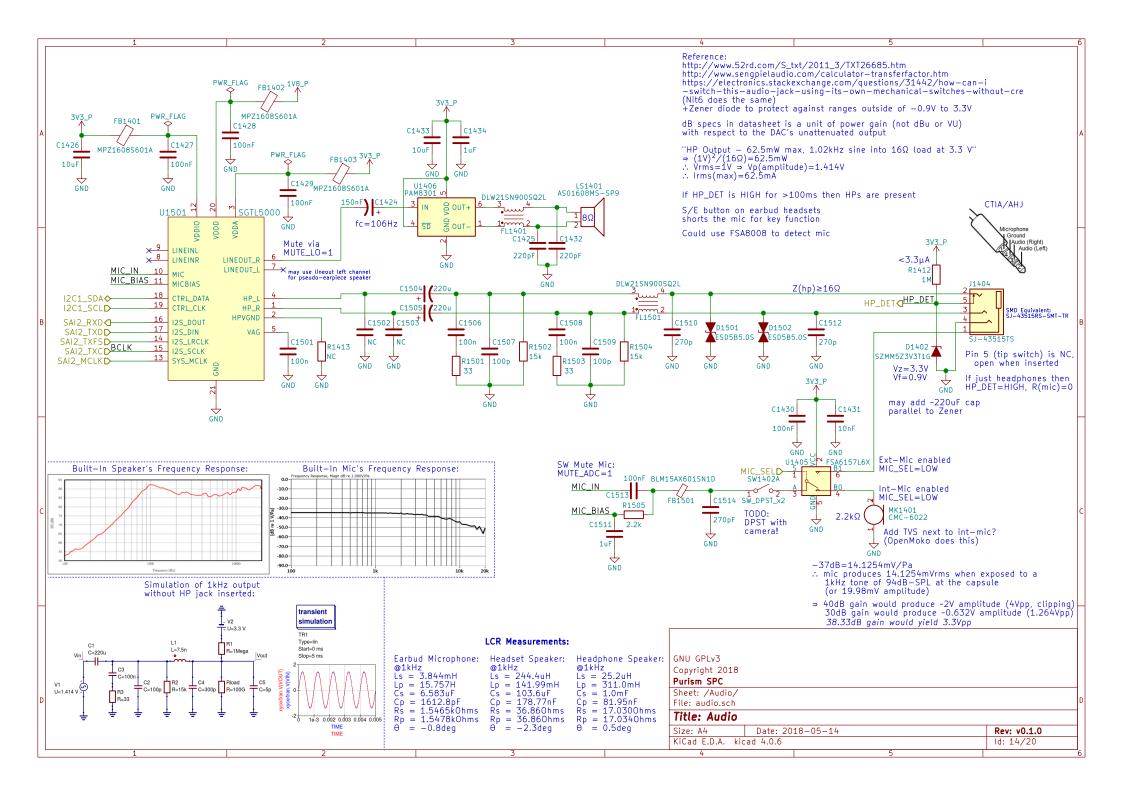


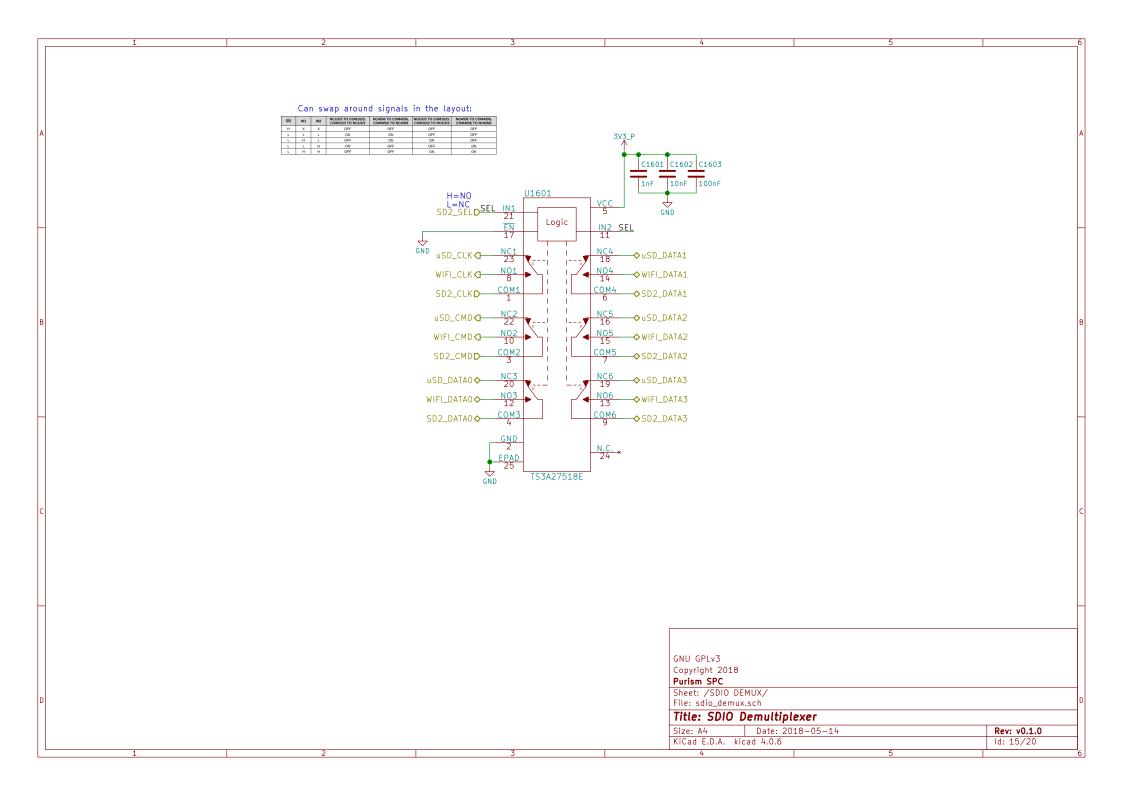


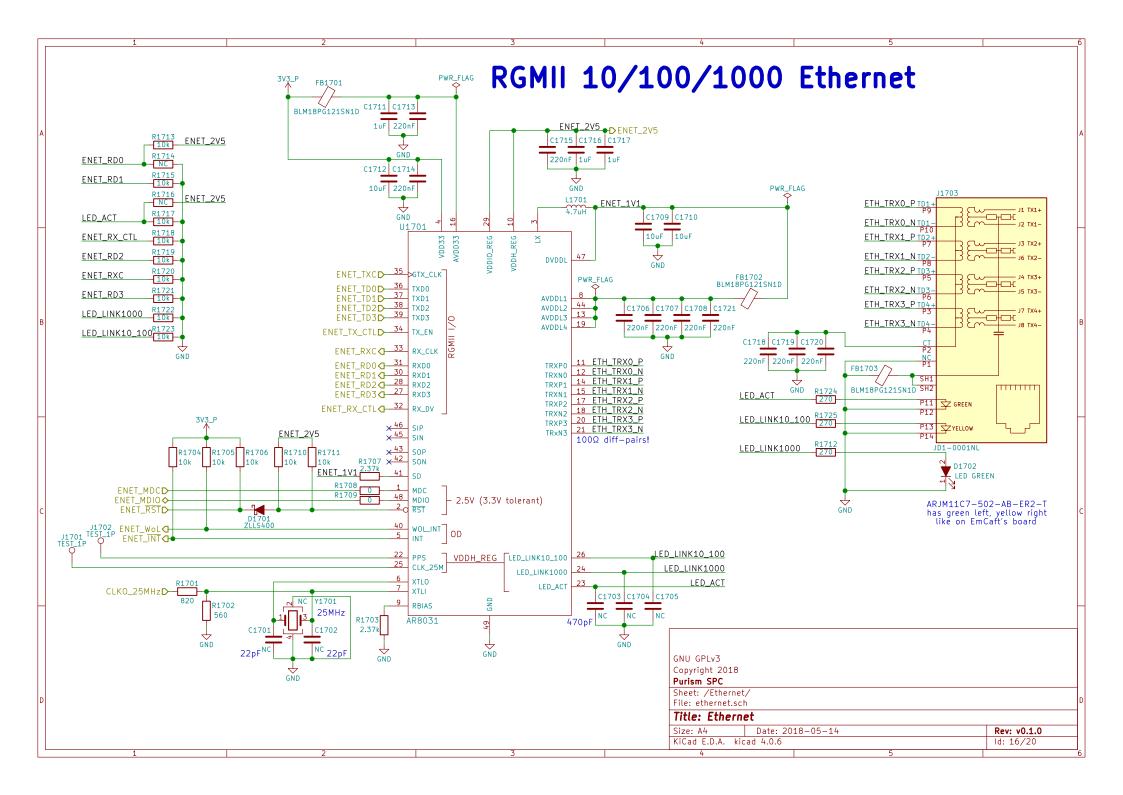


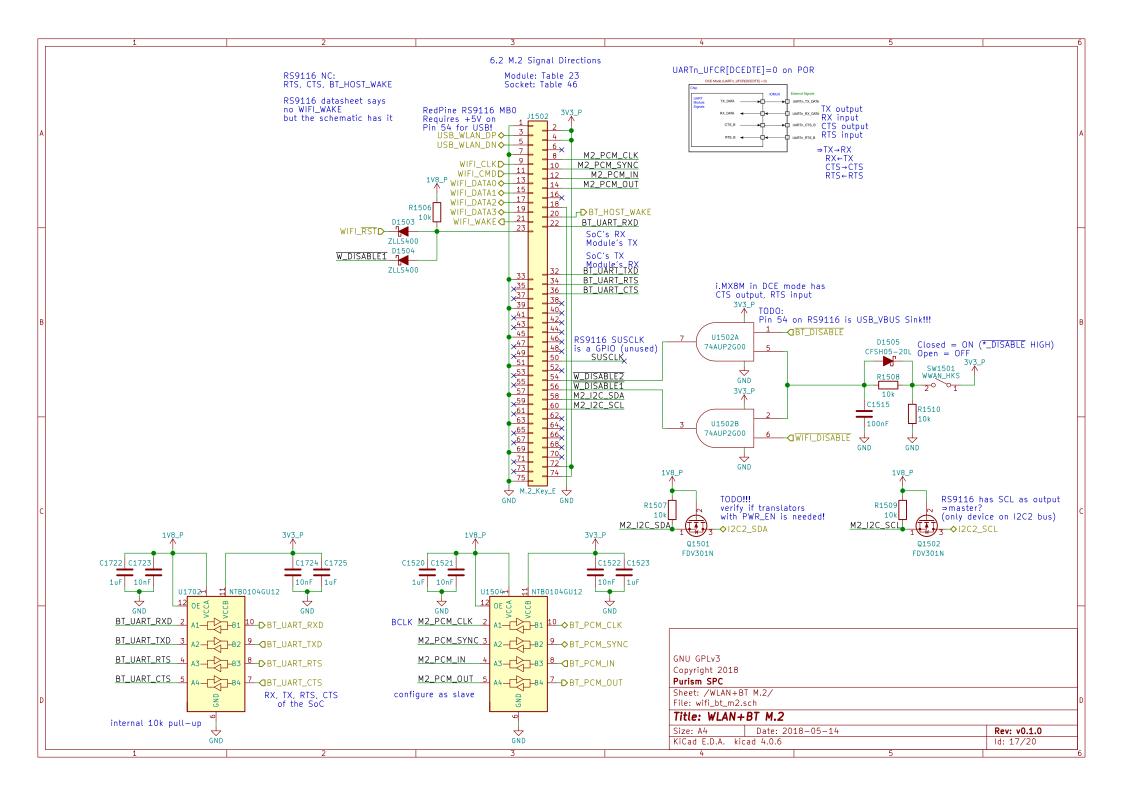


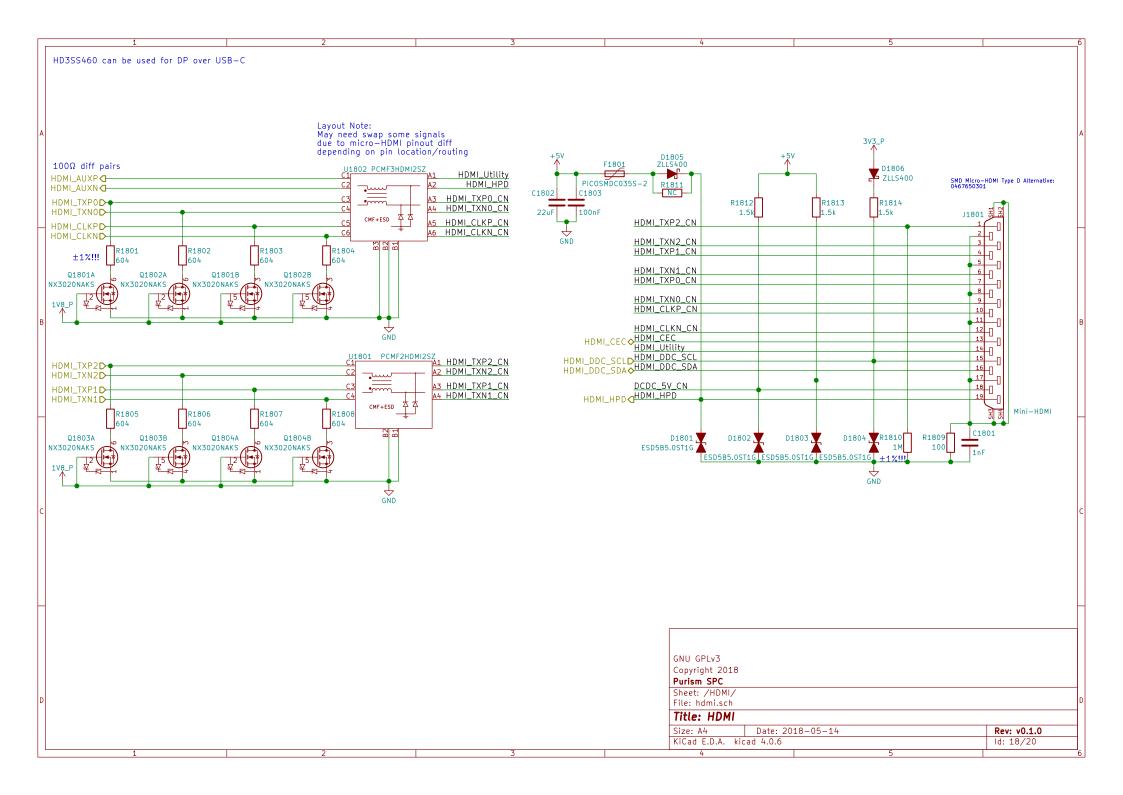




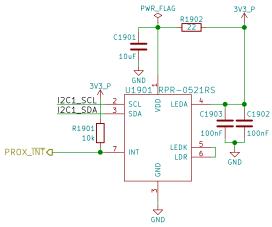




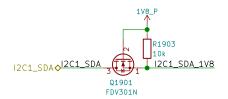




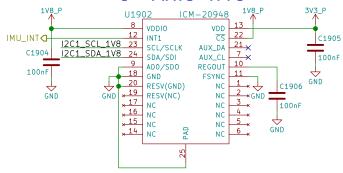
Proximity & Ambient Light



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"

I2C's VIH=1.8V

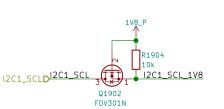




Figure 12. Orientation of Axes of Sensitivity and Polarity of Rotation



Figure 13. Orientation of Axes of Sensitivity for Magnetometer

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Purism SPC
Sheet: /Sensors/
File: sensors.sch

Title: Sensors

 Size: A4
 Date: 2018-05-14
 Rev: v0.1.0

 KiCad E.D.A. kicad 4.0.6
 Id: 19/20

