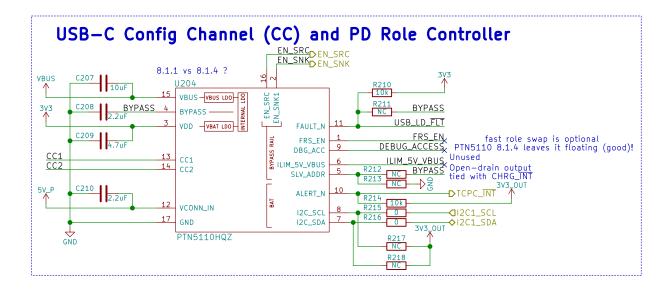
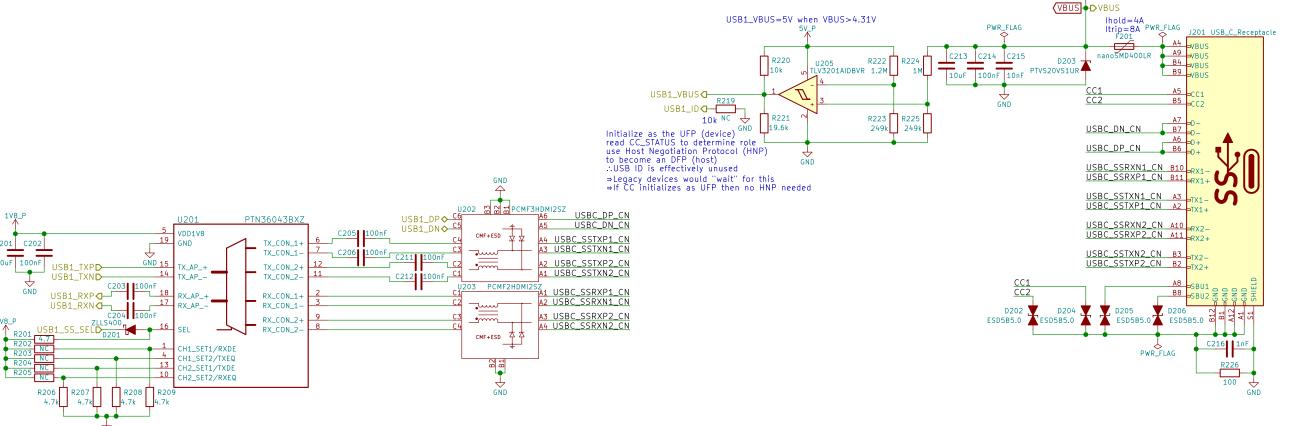
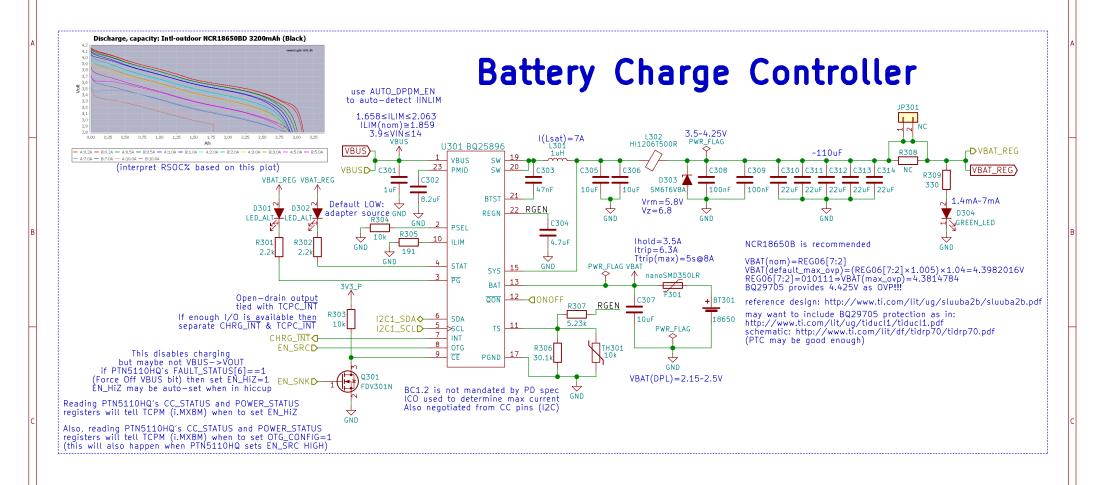


"Under dead battery operation, PTN5110 applies voltage clamps to both CC pins so that the system may receive power as a Sink. To support platforms with buck—boost configuration, PTN5110 asserts EN_SNK1 pin based on validity of VBUS voltage (facilitates 5 V VBUS sinking)."

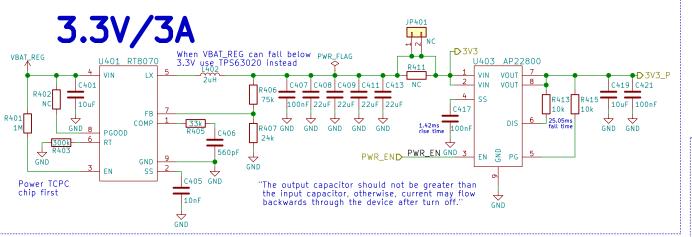


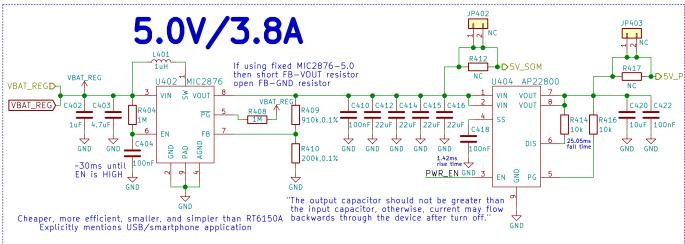


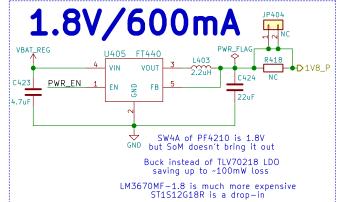


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Purism SPC
Sheet: /Battery/
File: battery.sch

Title: Battery
Size: A4 Date: 2018-05-18 Rev: v0.1.0
KiCad E.D.A. kicad 4.0.6 Id: 3/20







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

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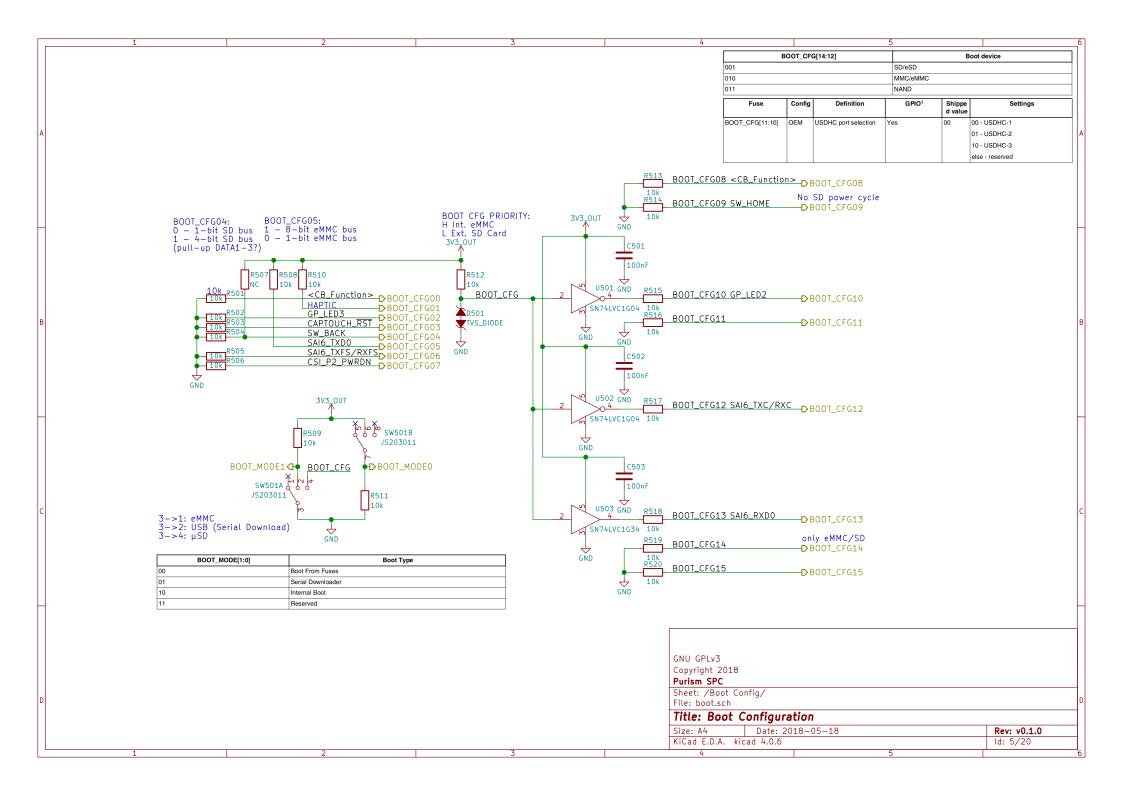
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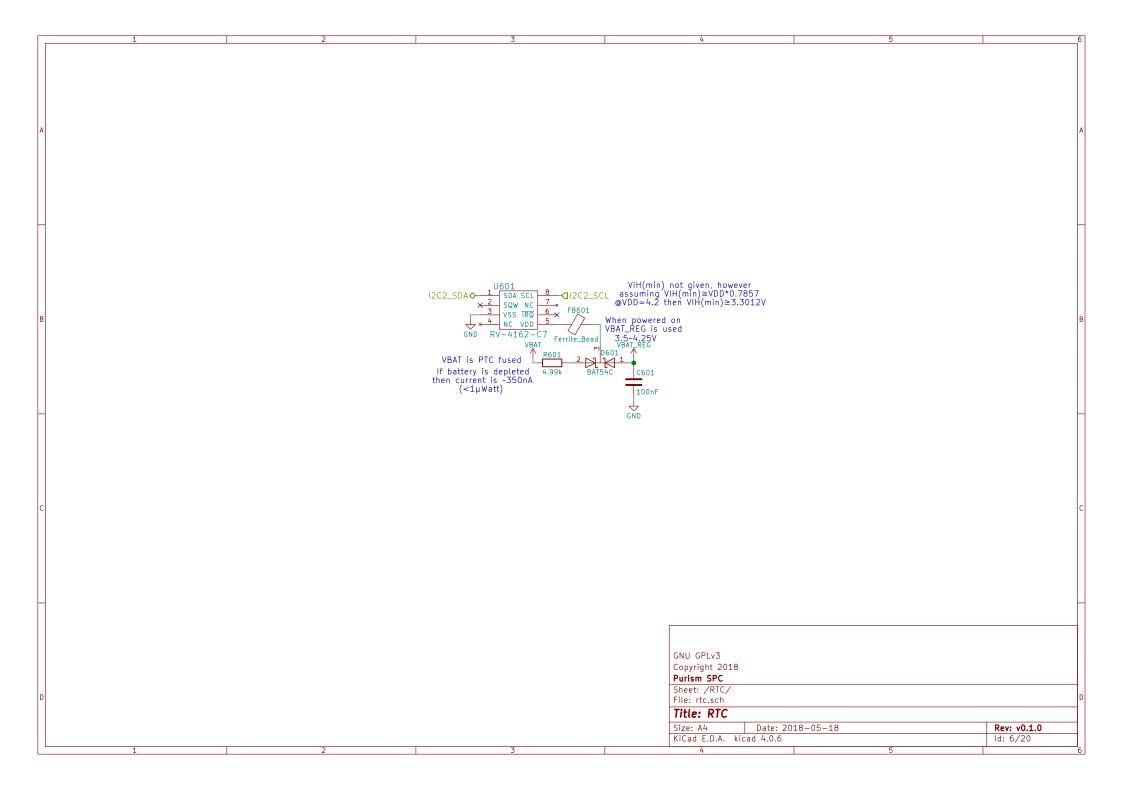
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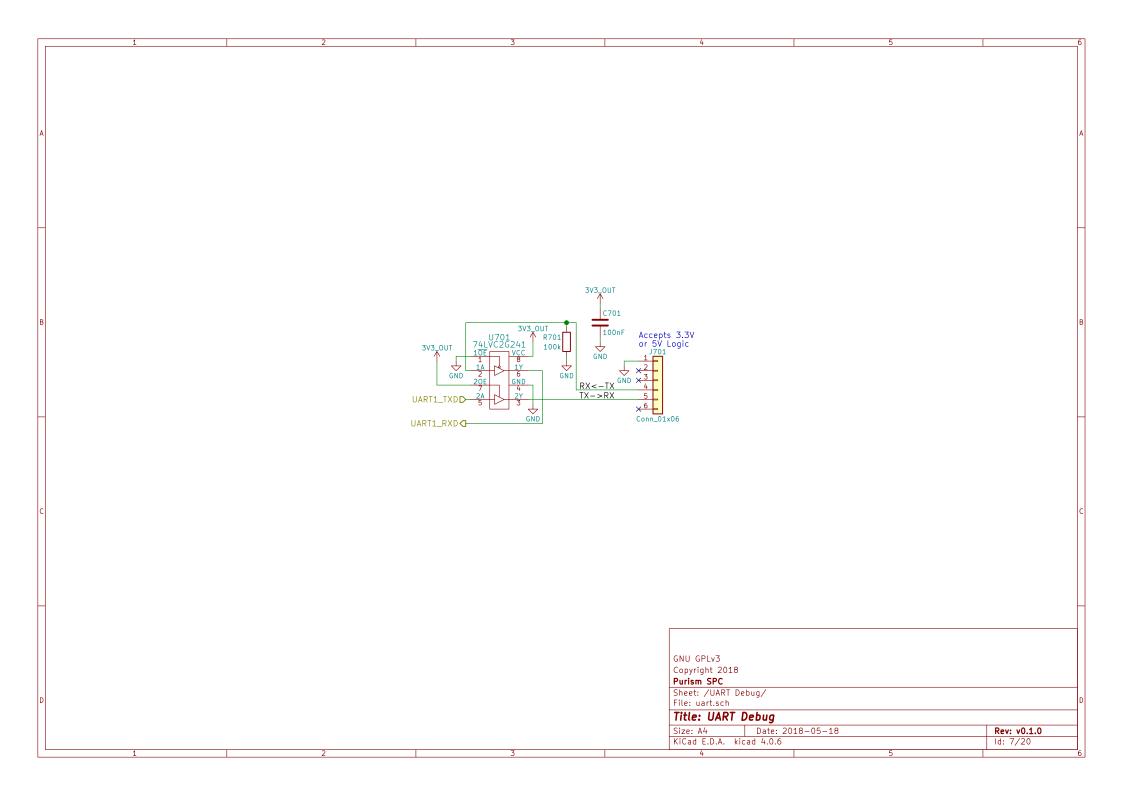
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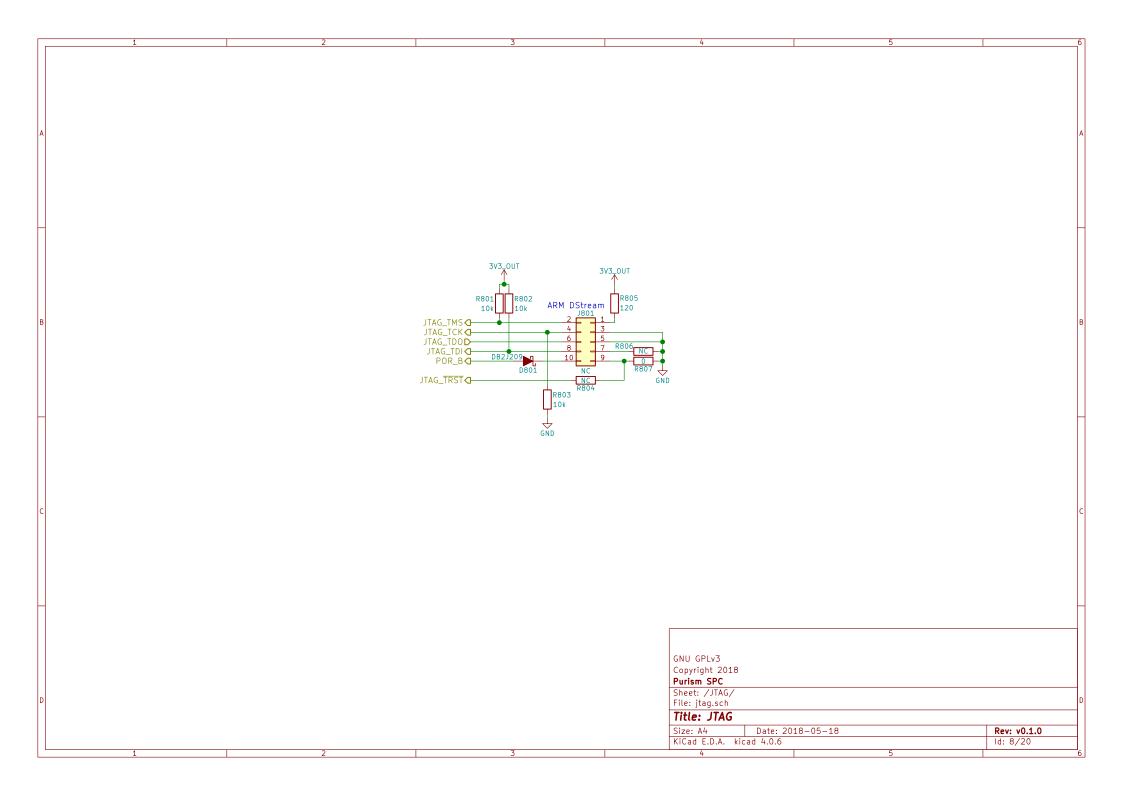
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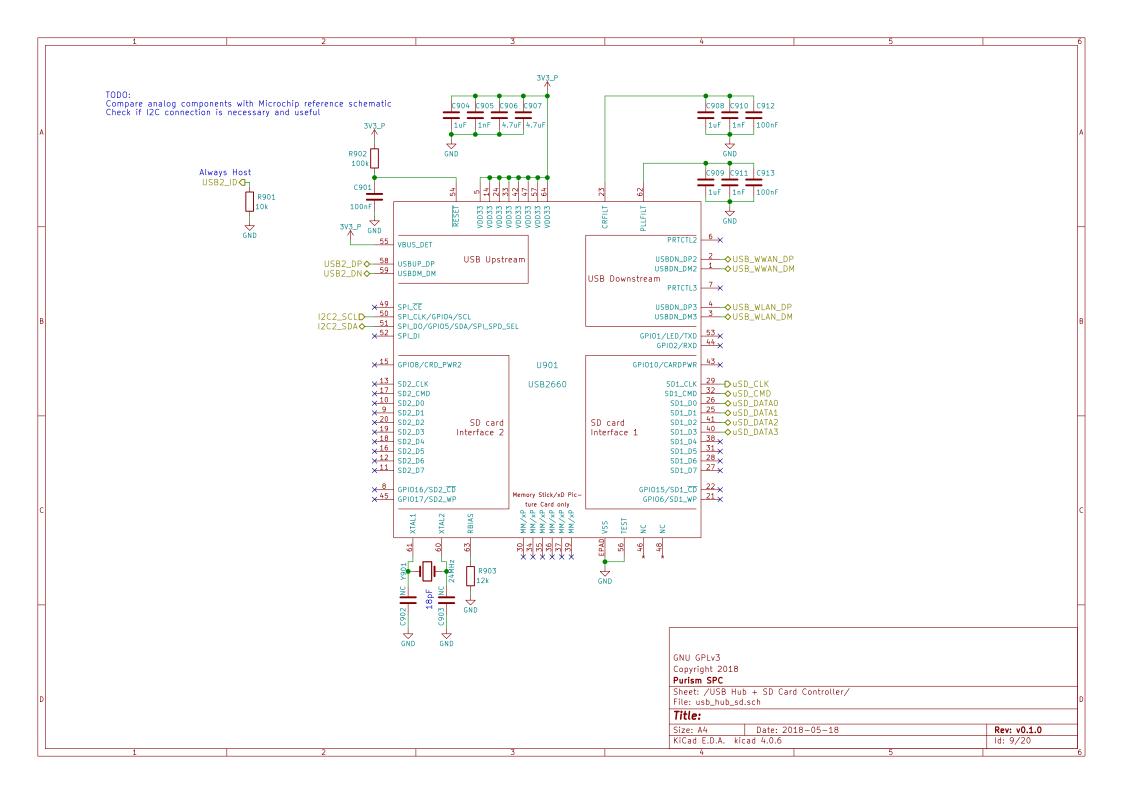
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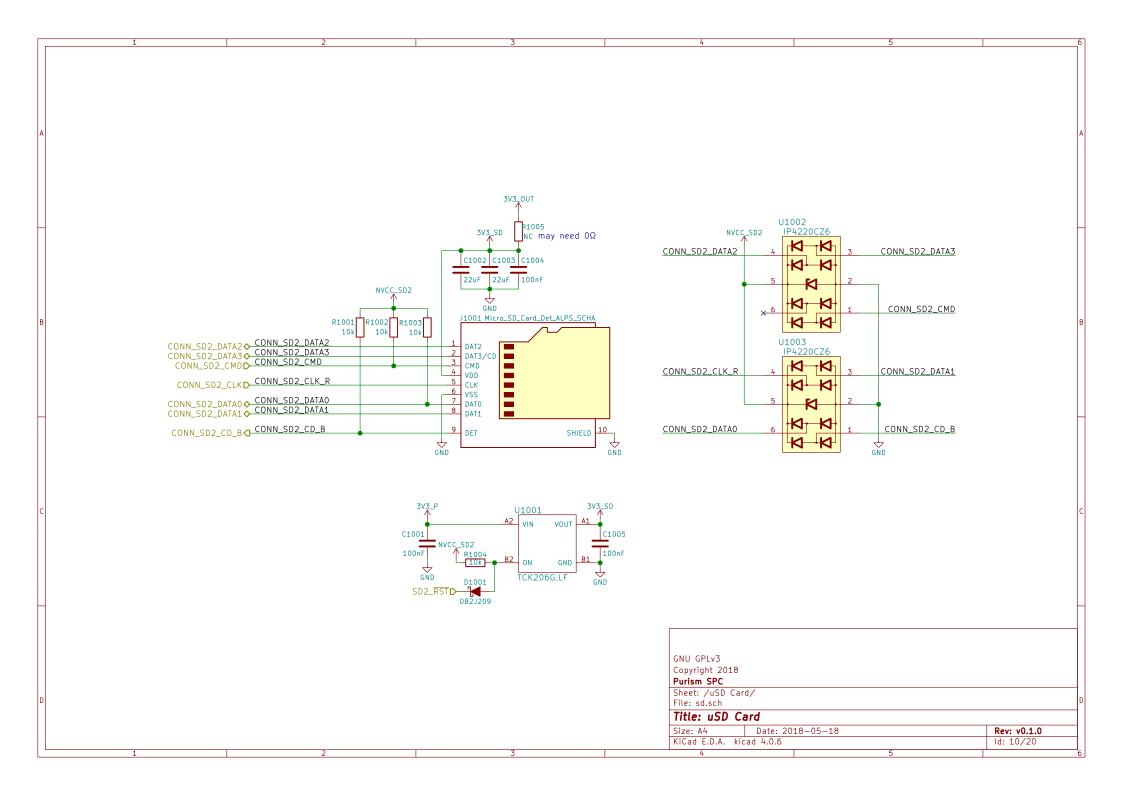


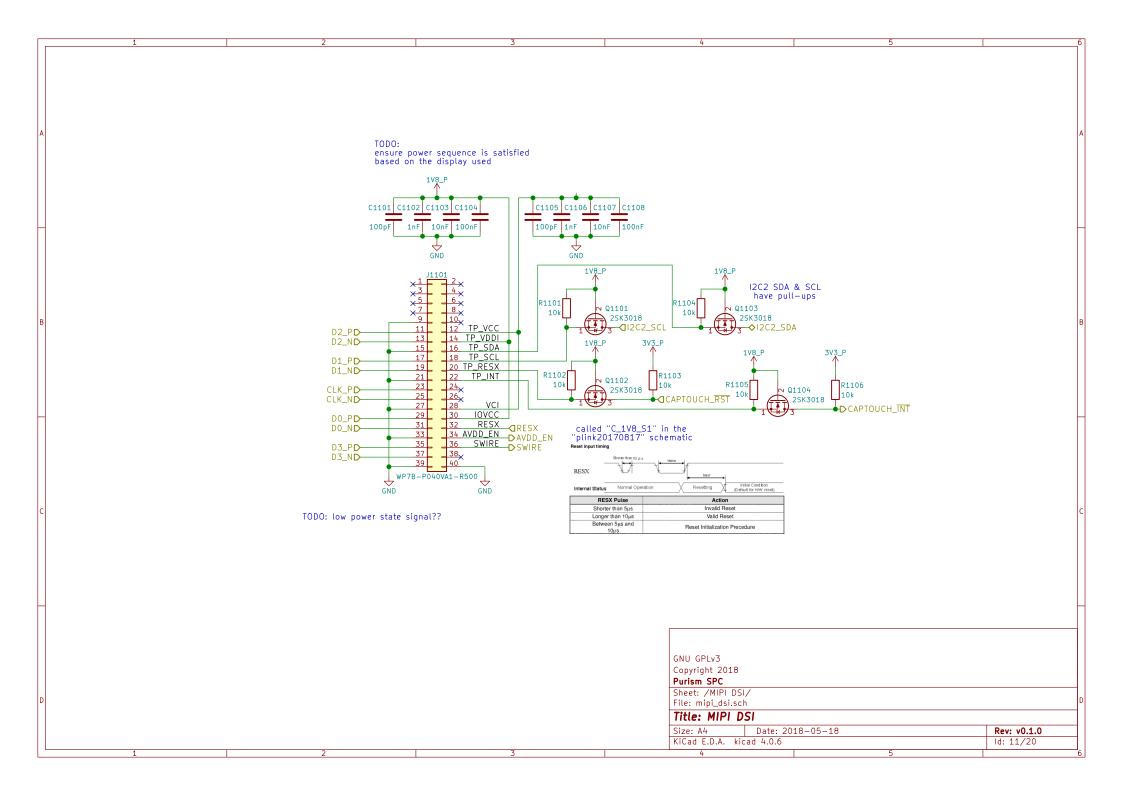


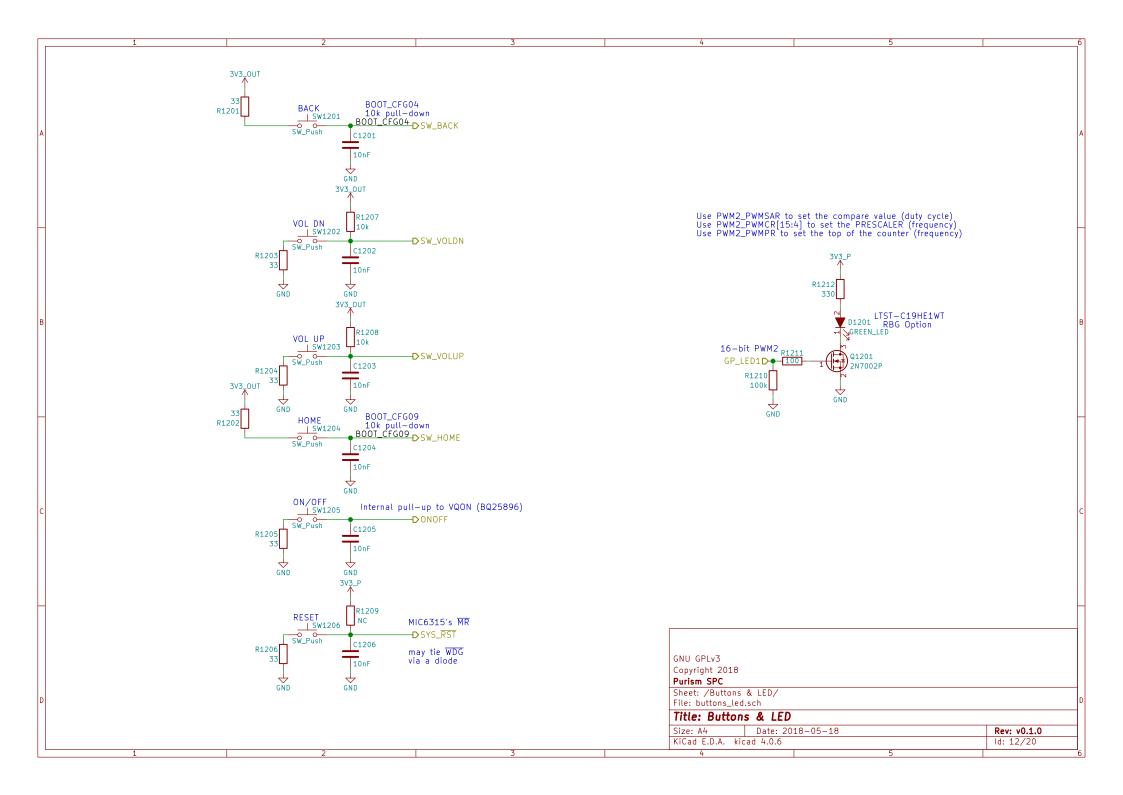


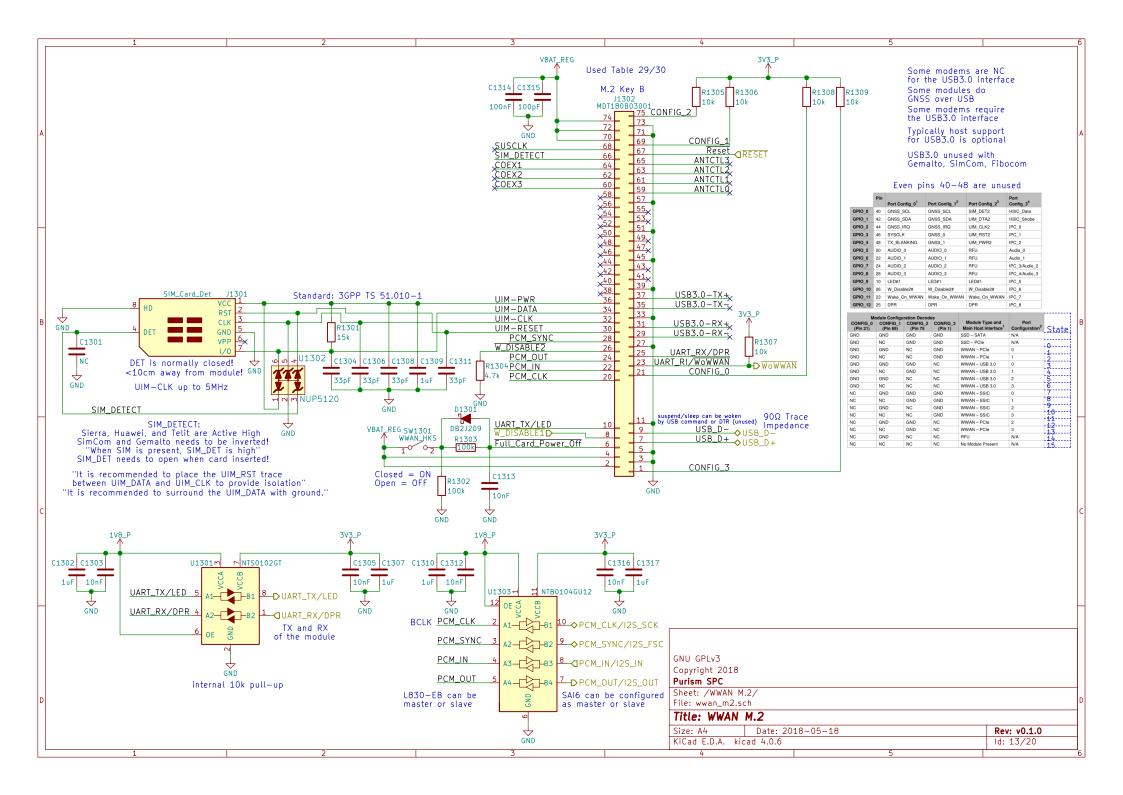


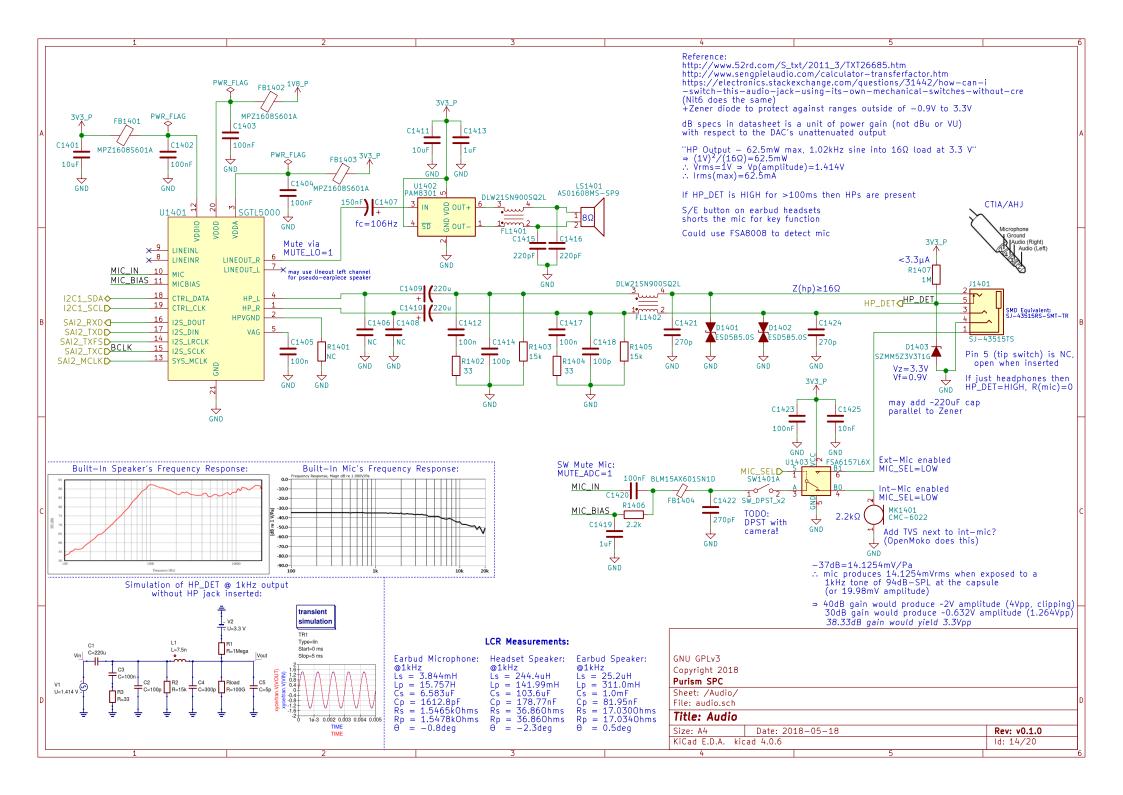


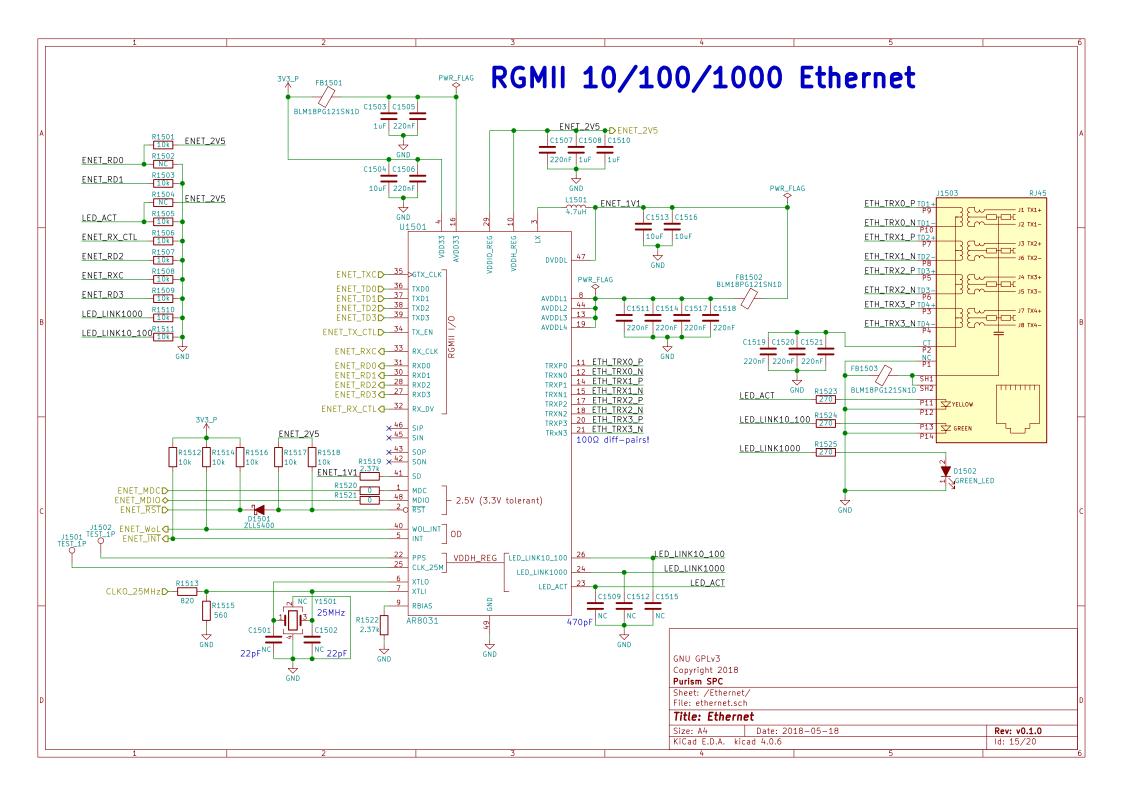


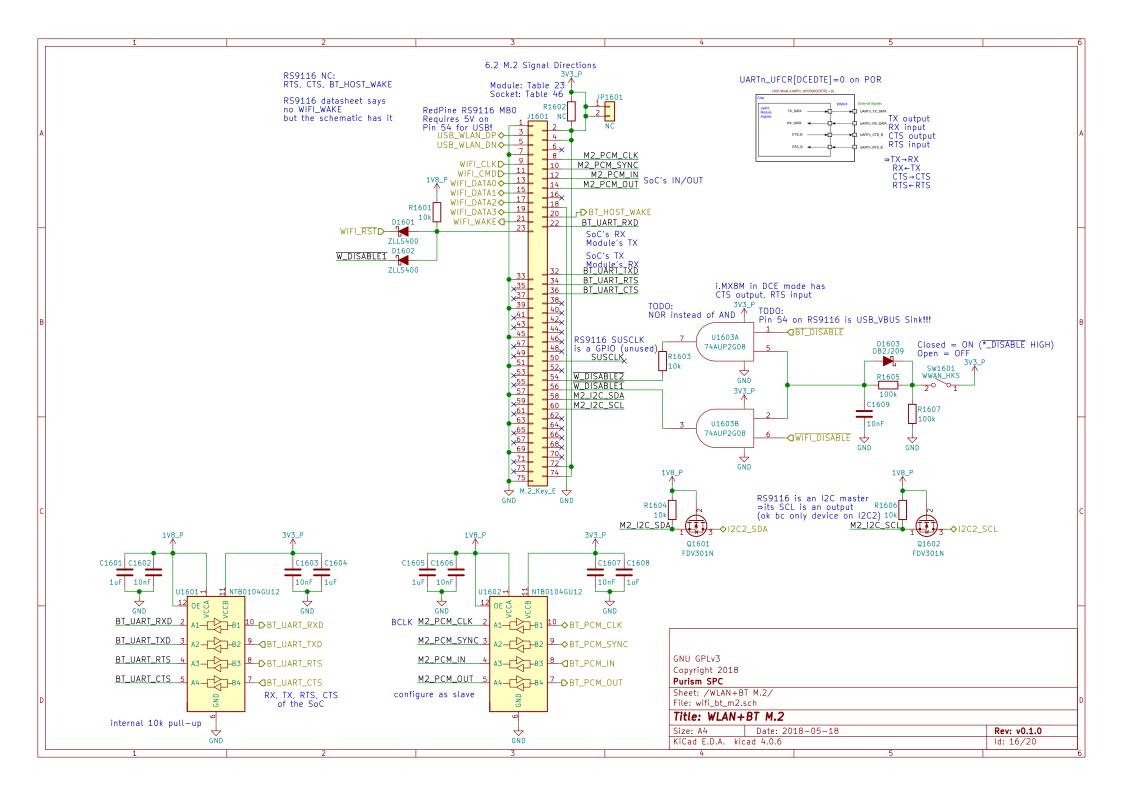


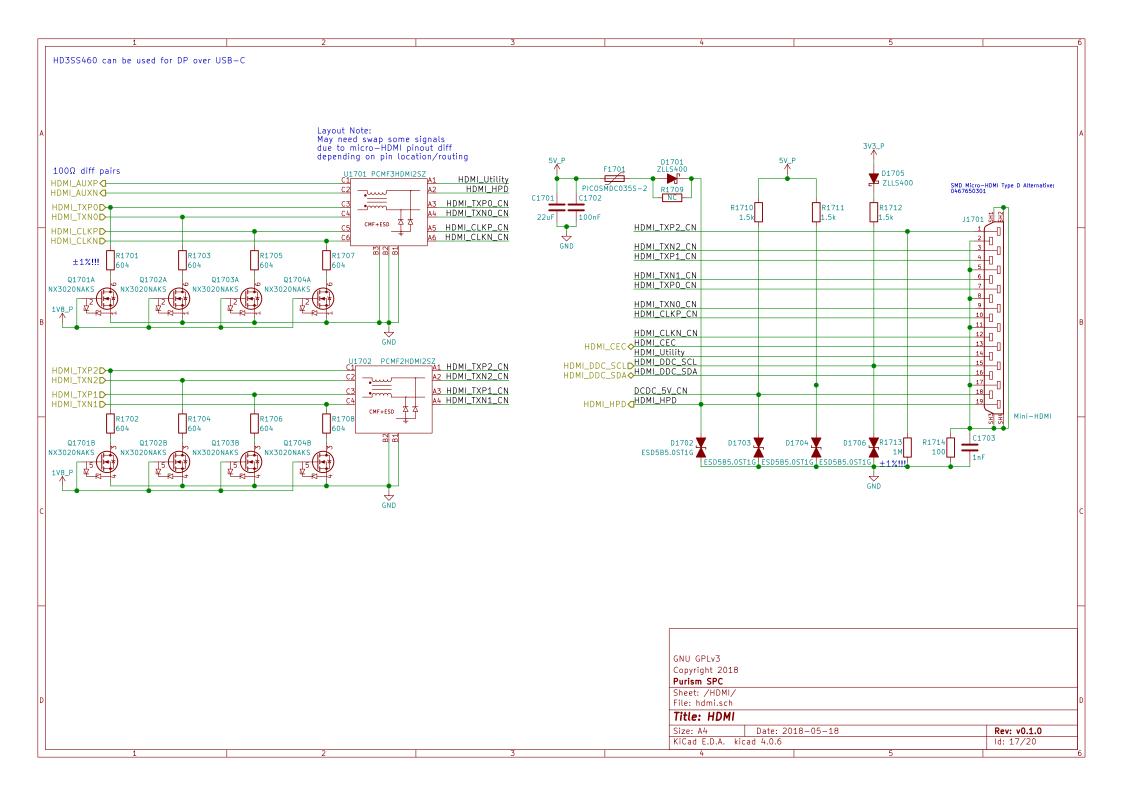




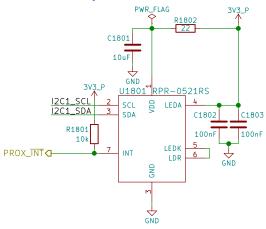




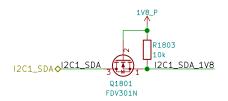




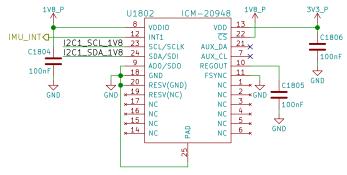
Proximity & Ambient Light



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



9-Axis IMU



Reference:

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"

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12C's VIH=1.8V

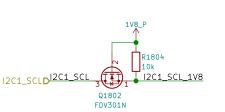




Figure 12. Orientation of Axes of Sensitivity and Polarity of Rotation



Figure 13. Orientation of Axes of Sensitivity for Magnetometer

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Sheet: /Sensors/
File: sensors.sch

Title: Sensors
Size: A4 Date: 2018-05-18 Rev: v0.1.0

ld: 18/20

