

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

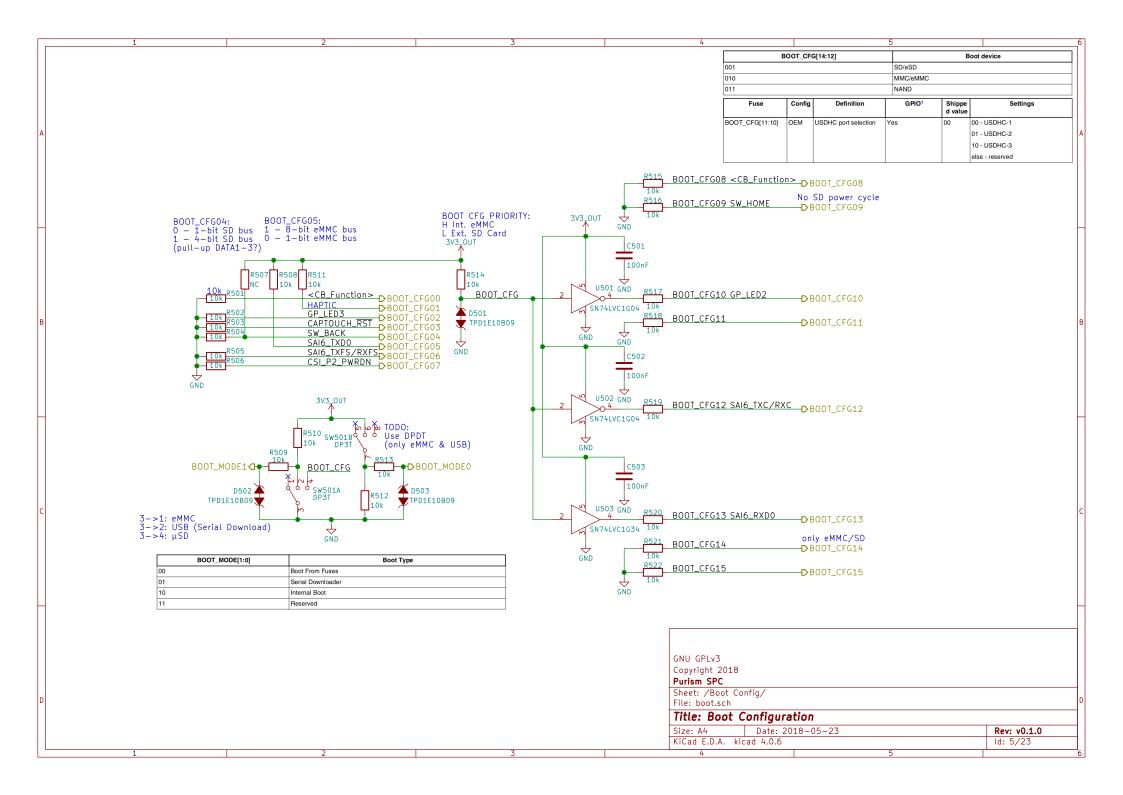
GNU GPLv3 Copyright 2018 **Purism SPC**

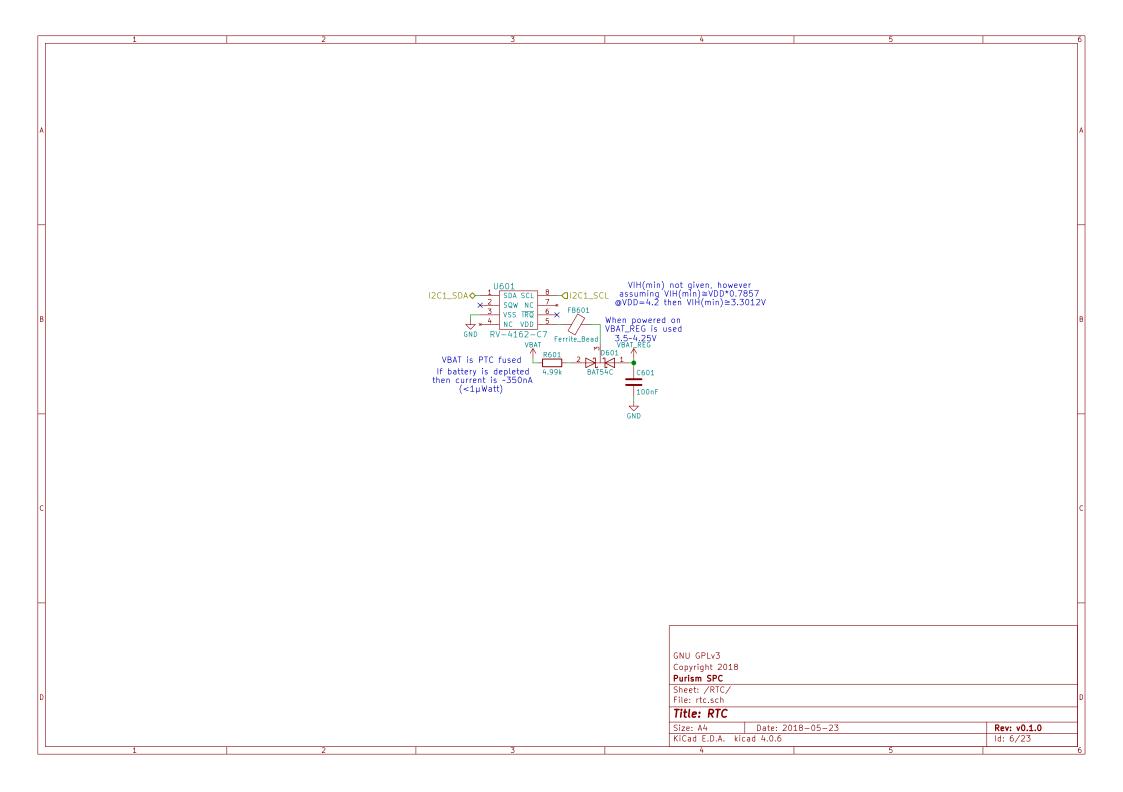
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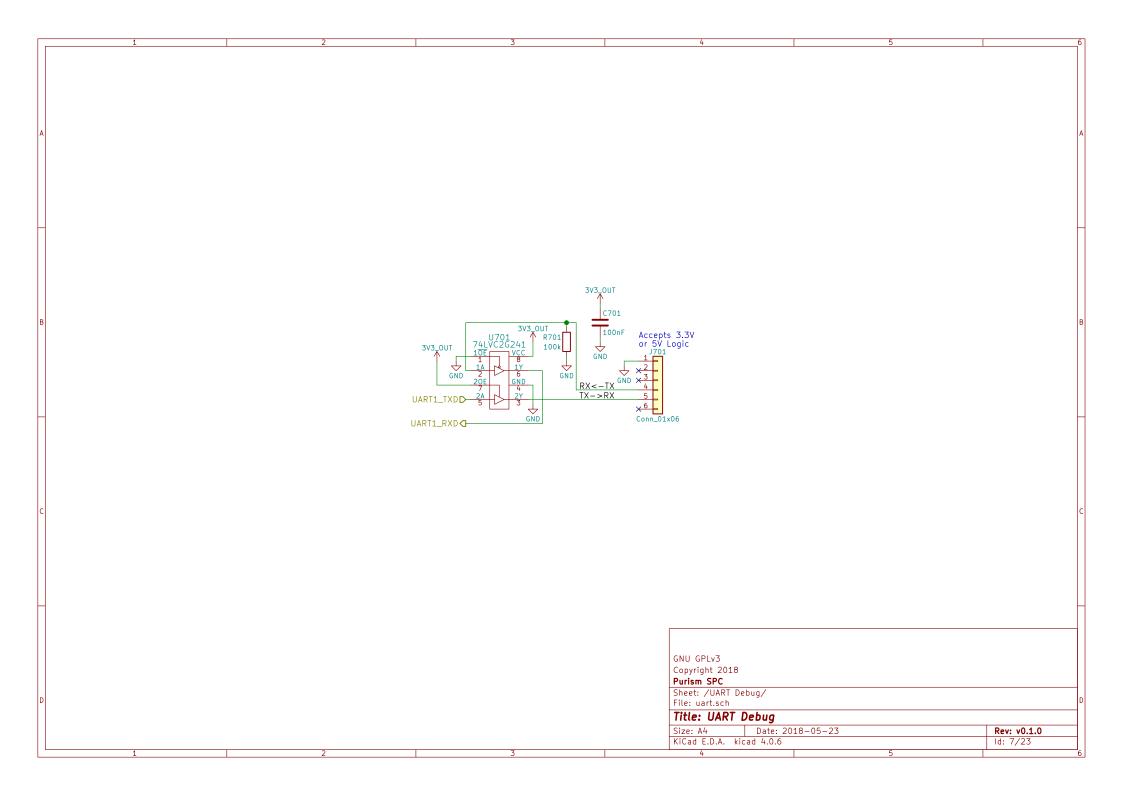
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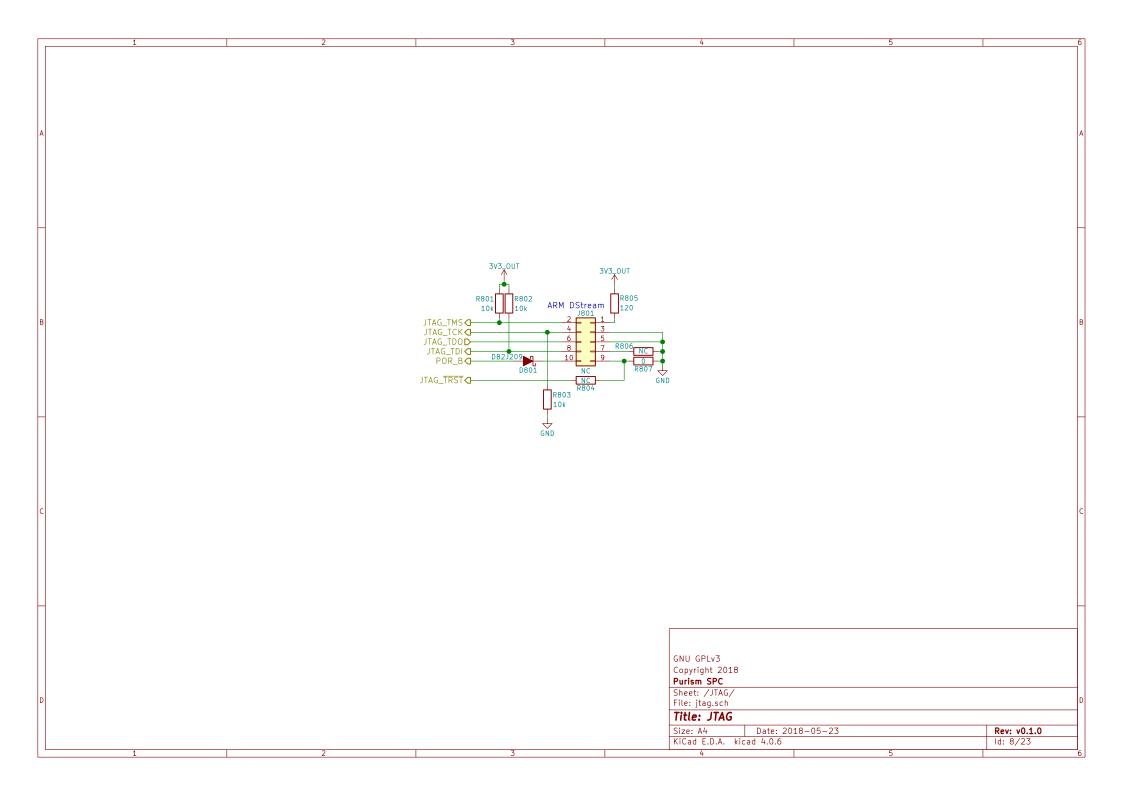
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 Date: 2018-05-23
 Rev: v0.1.0

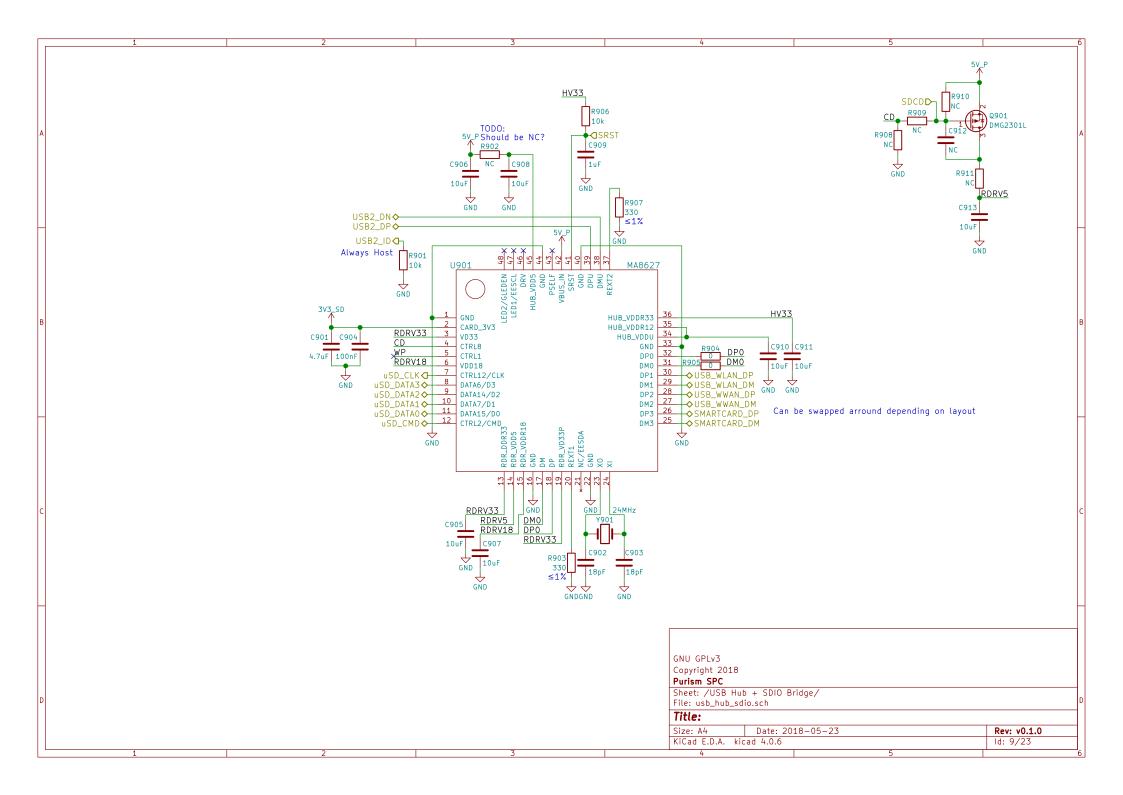
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 Id: 4/23

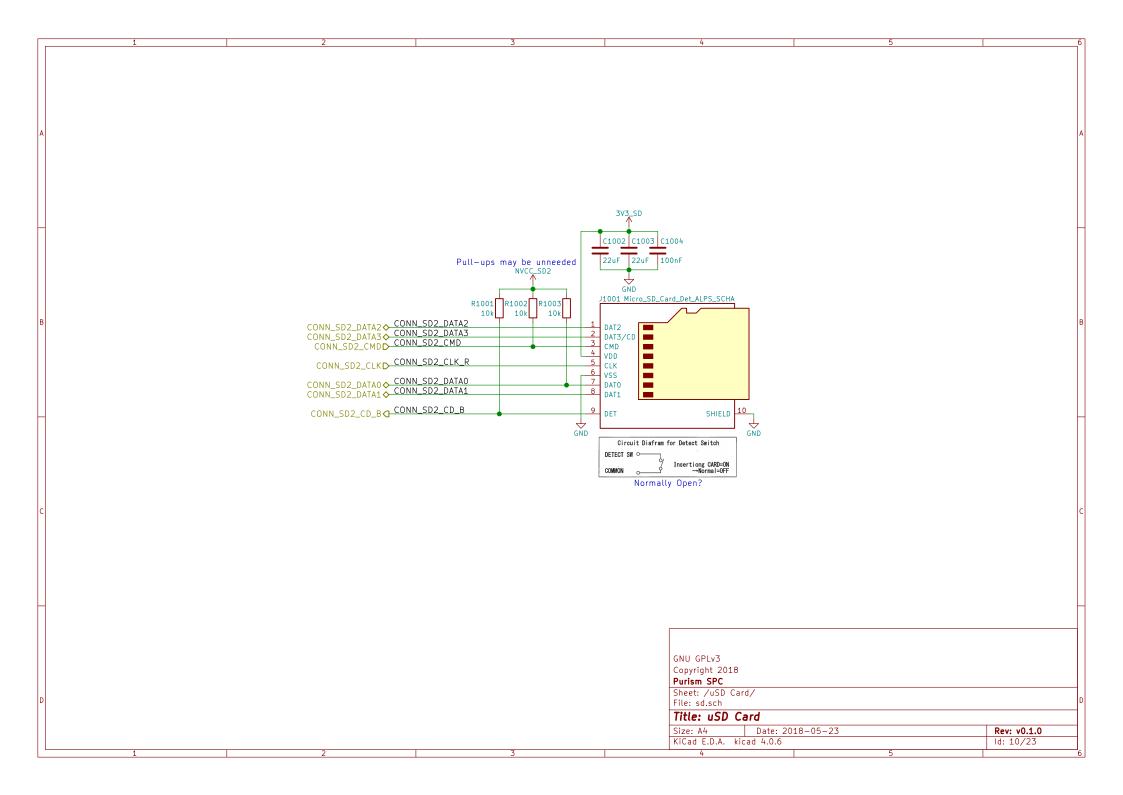


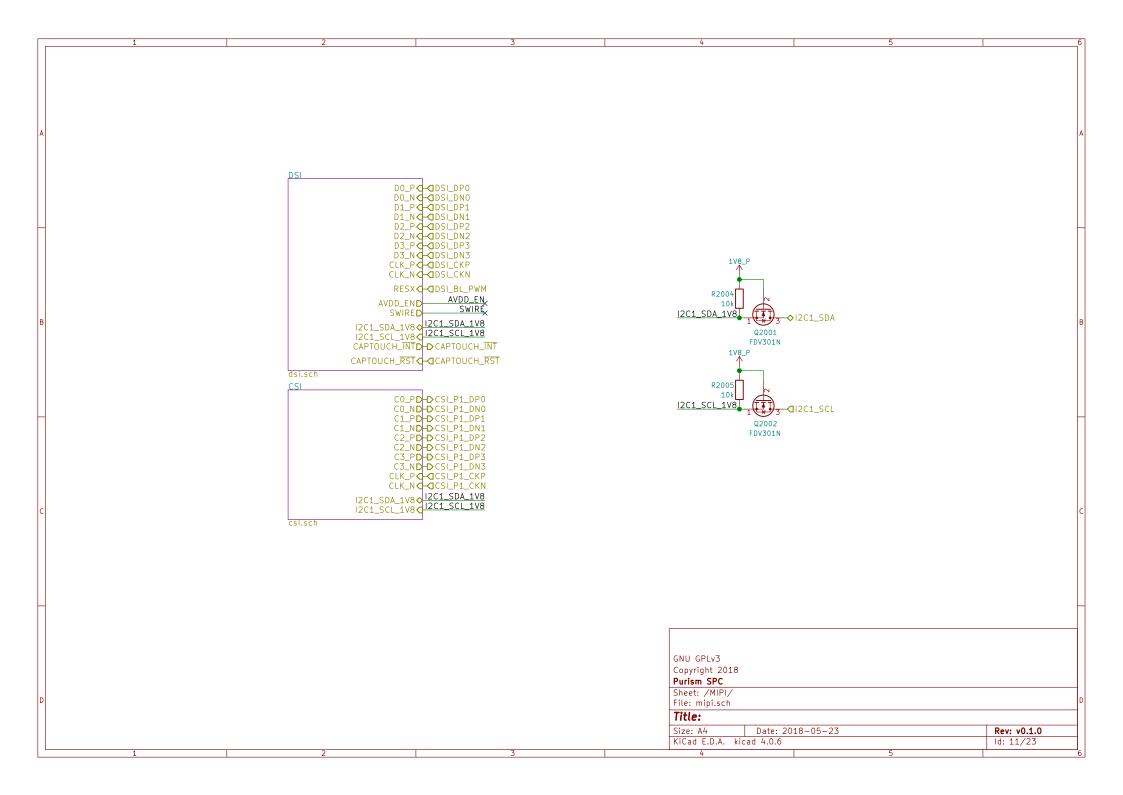


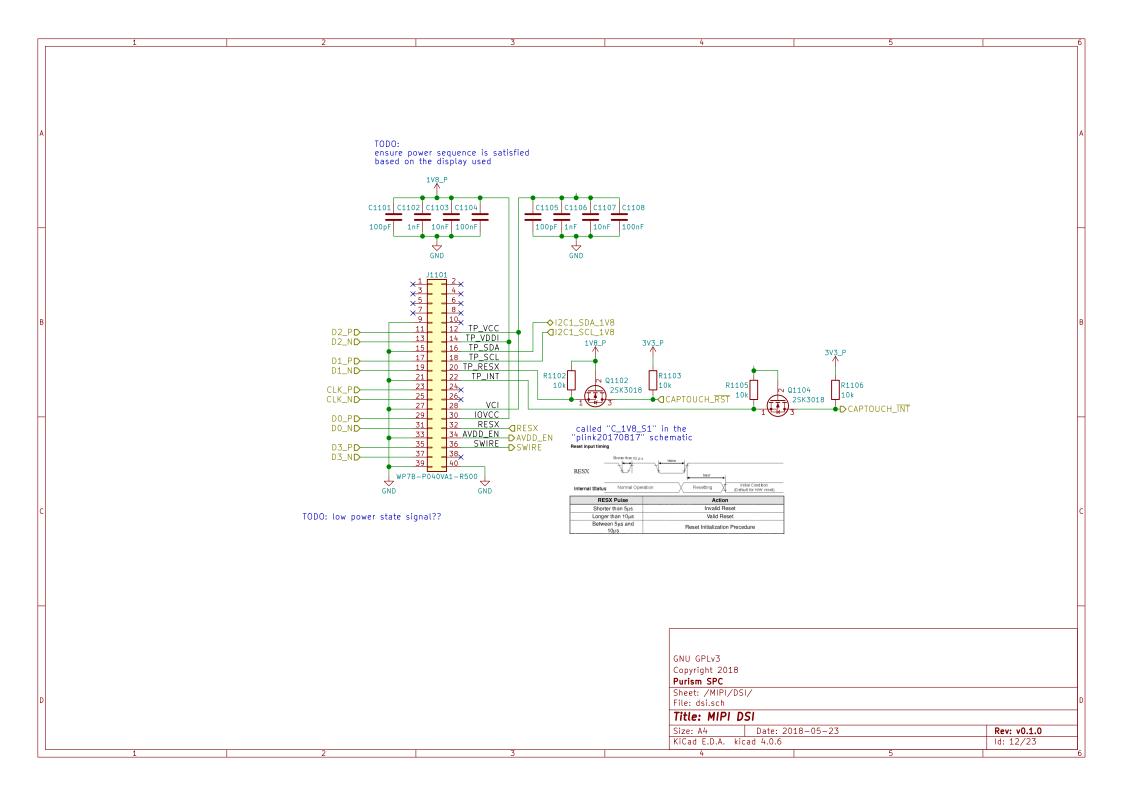




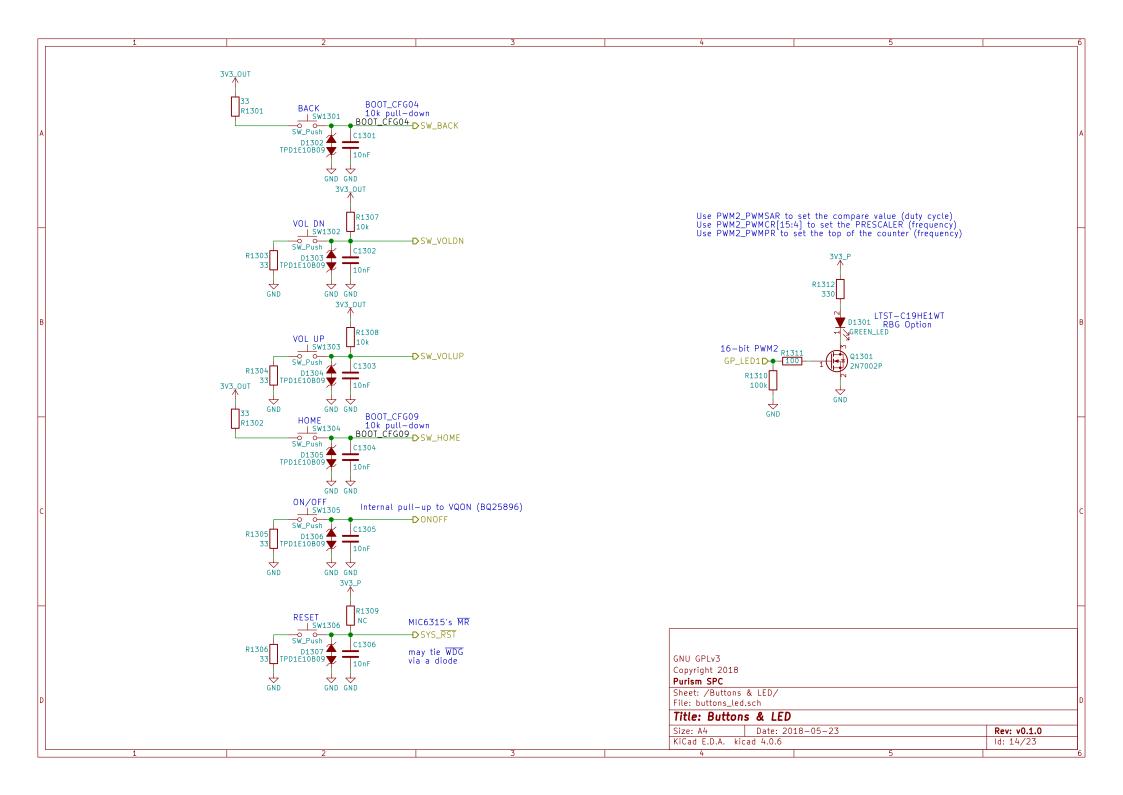


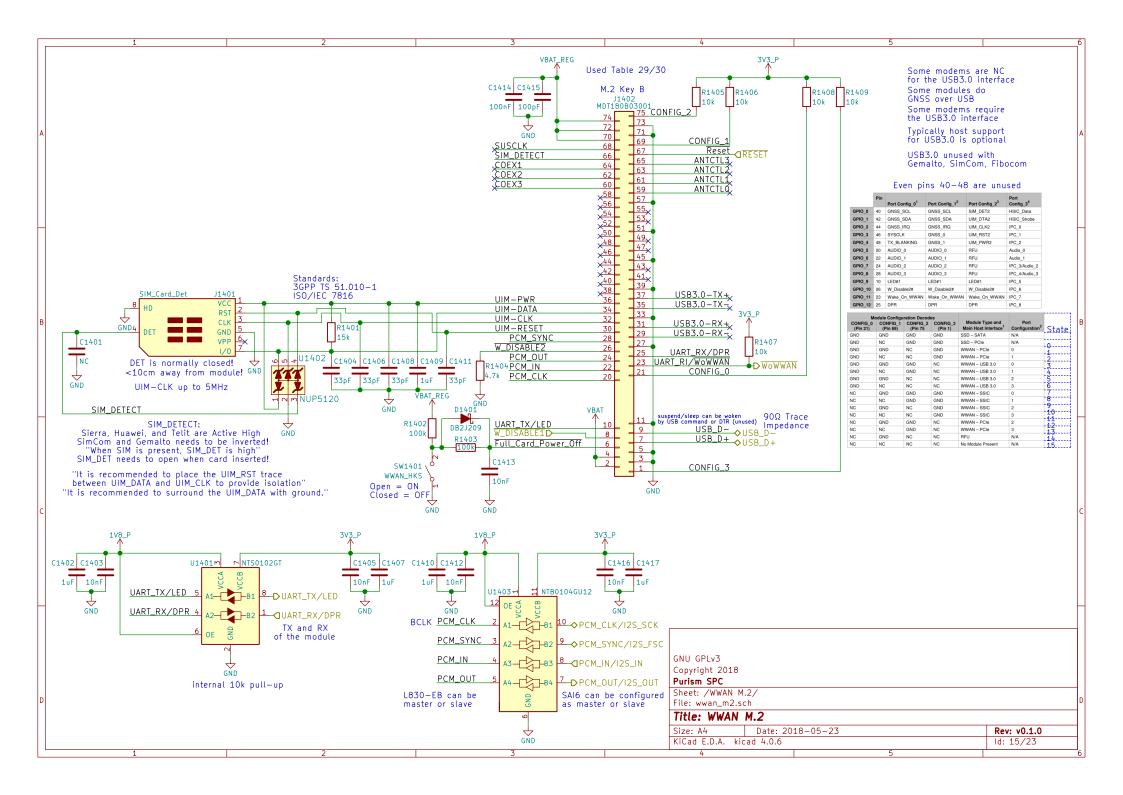


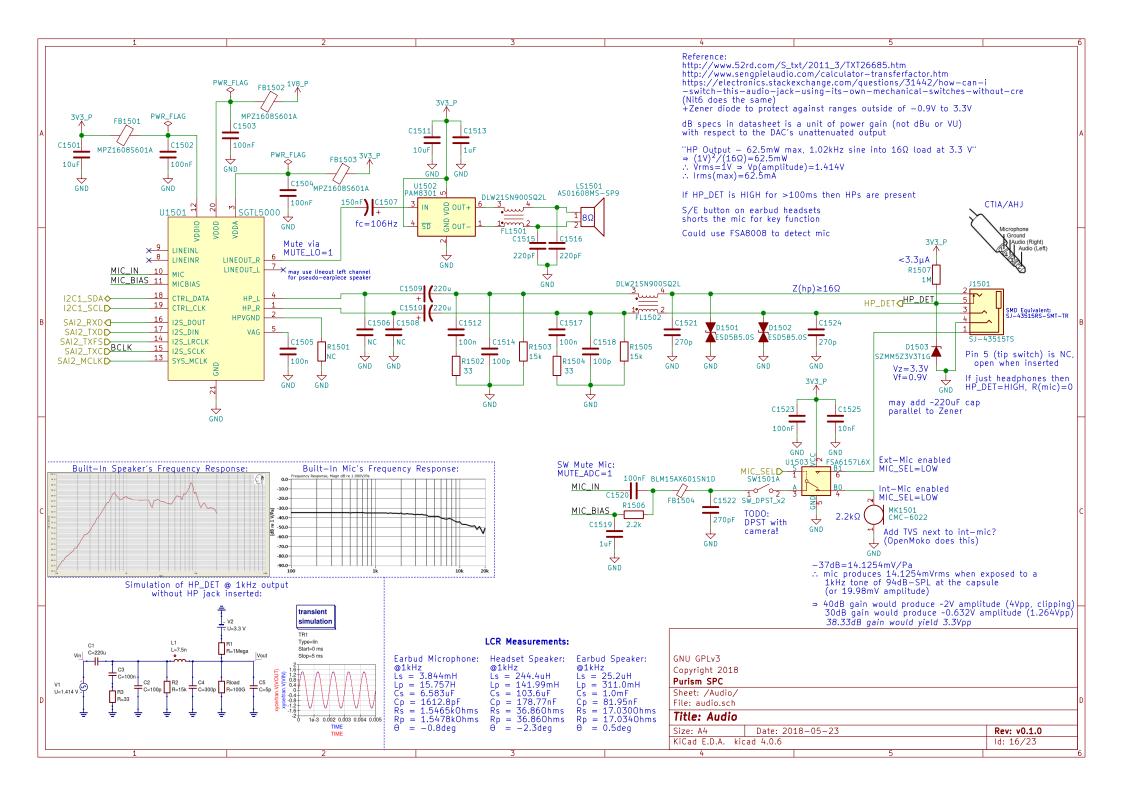


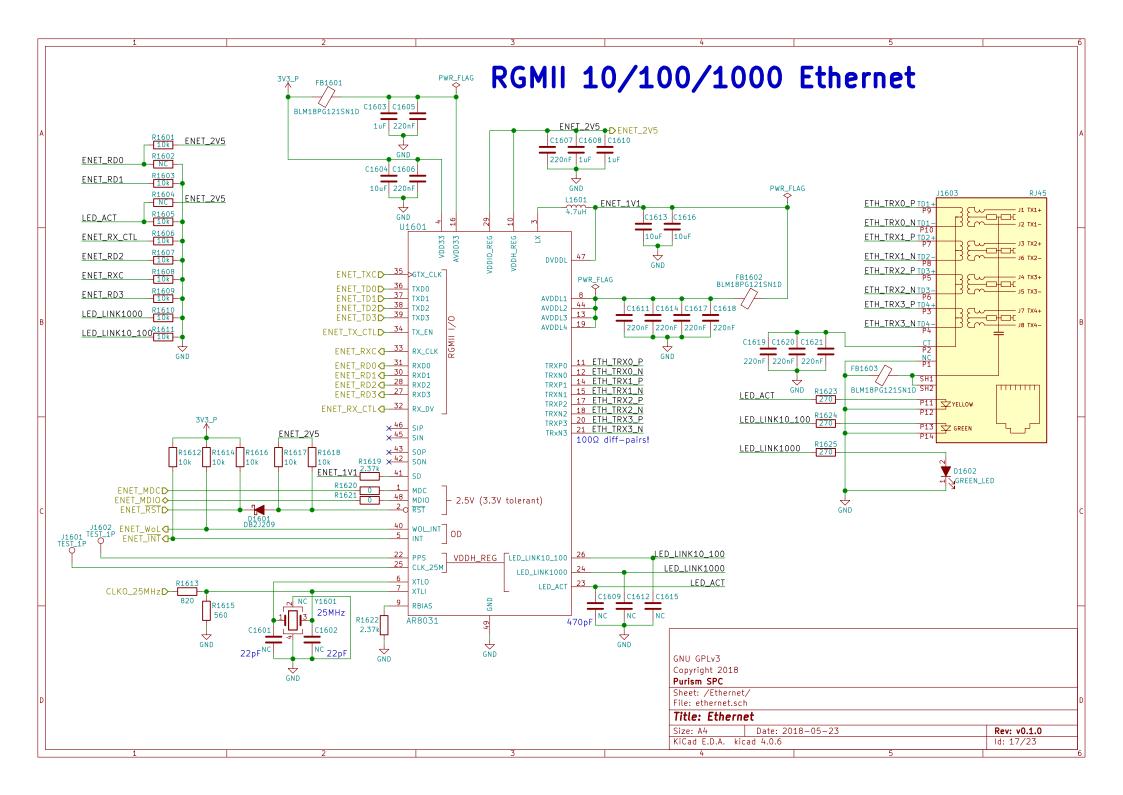


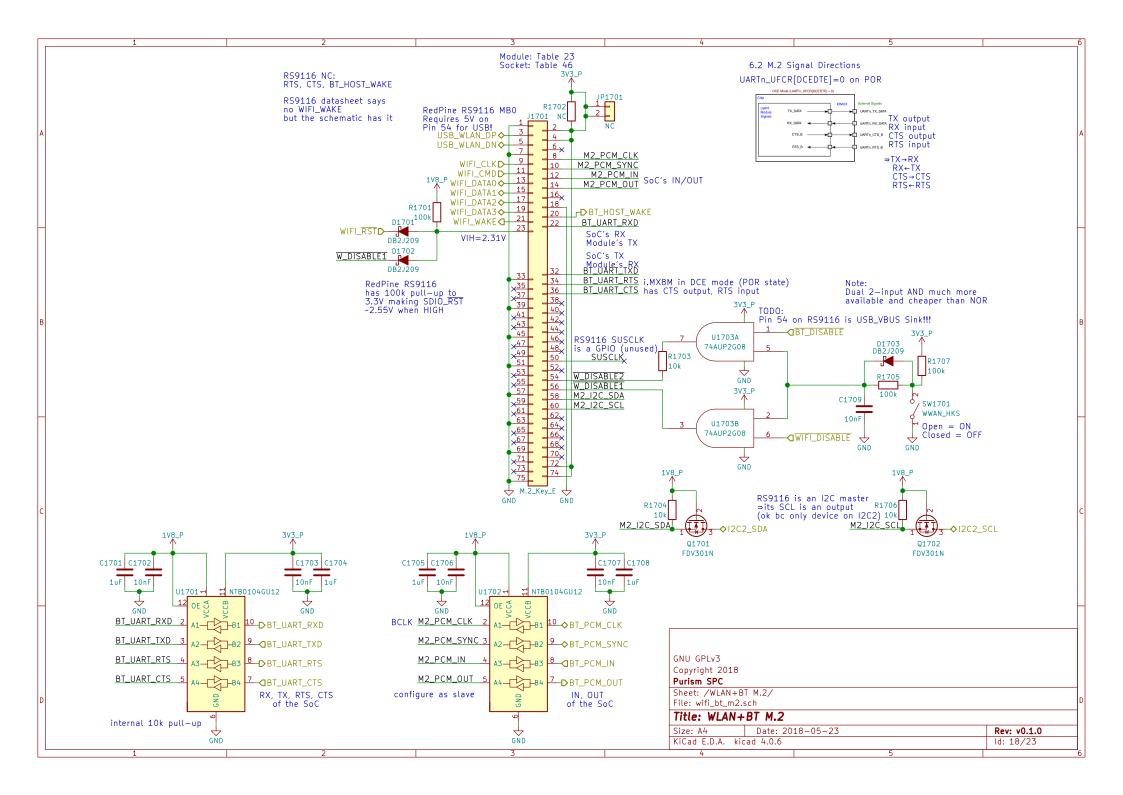
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E				*DC0_P *DC0_N *DC1_P *DC1_N *DC2_P *DC2_P *DC3_P *DC3_P *DC3_N *GCLK_P *GCLK_N -\$ 2C1_SDA_1V8 -G 2C1_SCL_1V8						В
C										С
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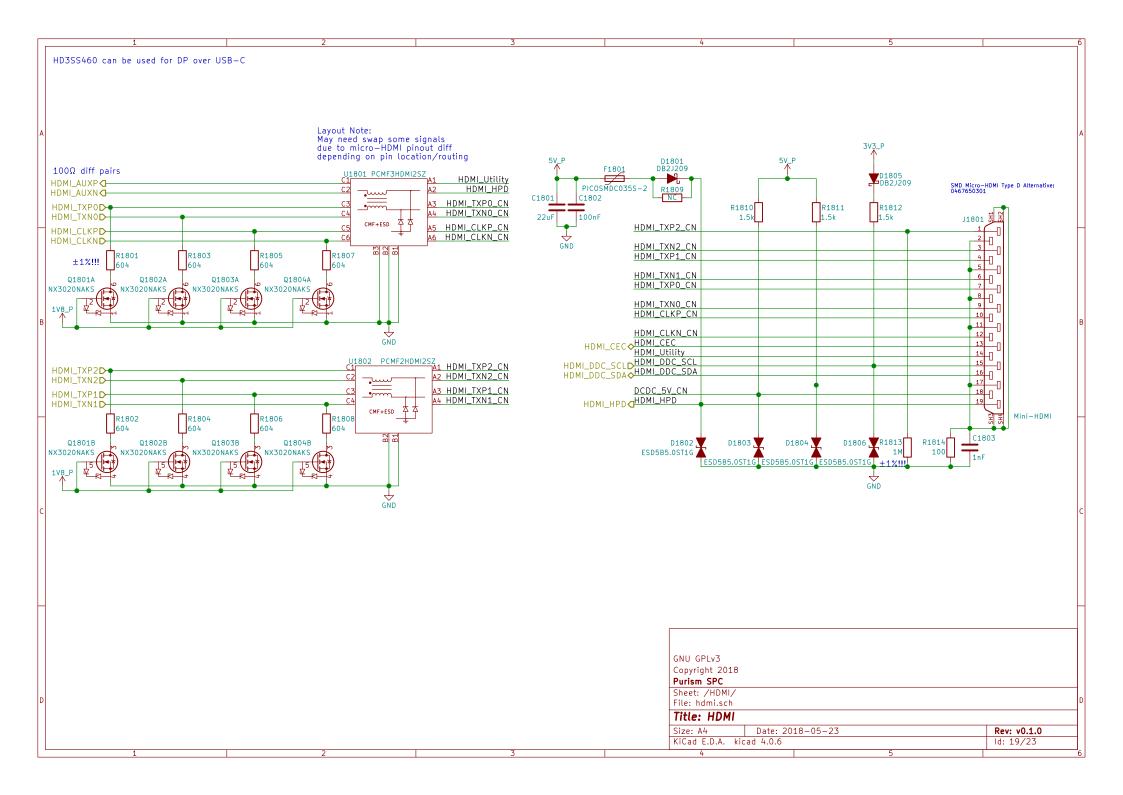




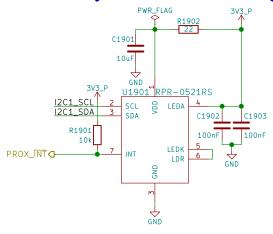




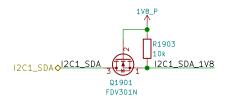




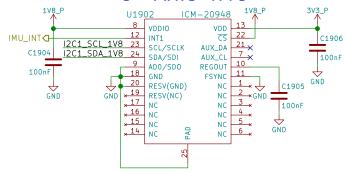
Proximity & Ambient Light



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

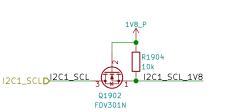




Figure 12. Orientation of Axes of Sensitivity and Polarity of Rotation



Figure 13. Orientation of Axes of Sensitivity for Magnetometer

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Purism SPC

Sheet: /Sensors/ File: sensors.sch

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