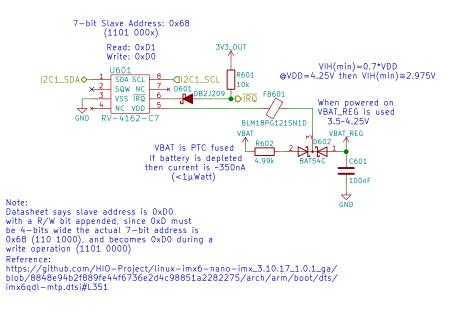
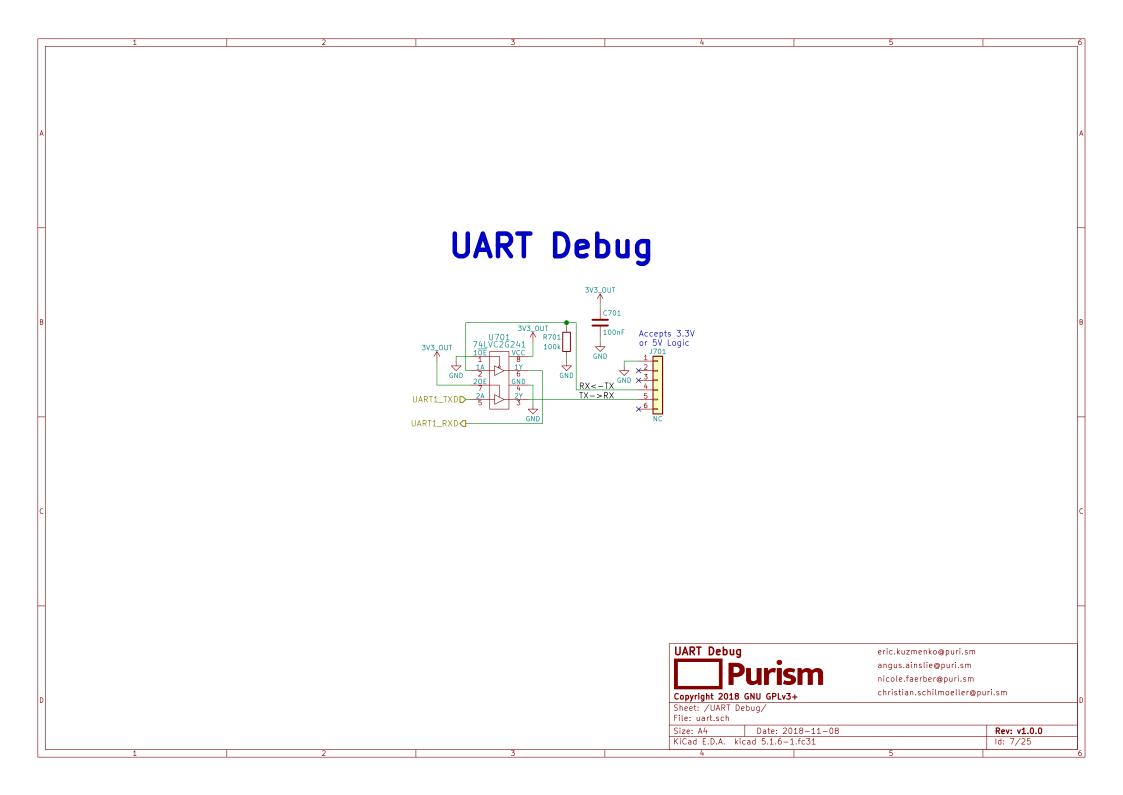
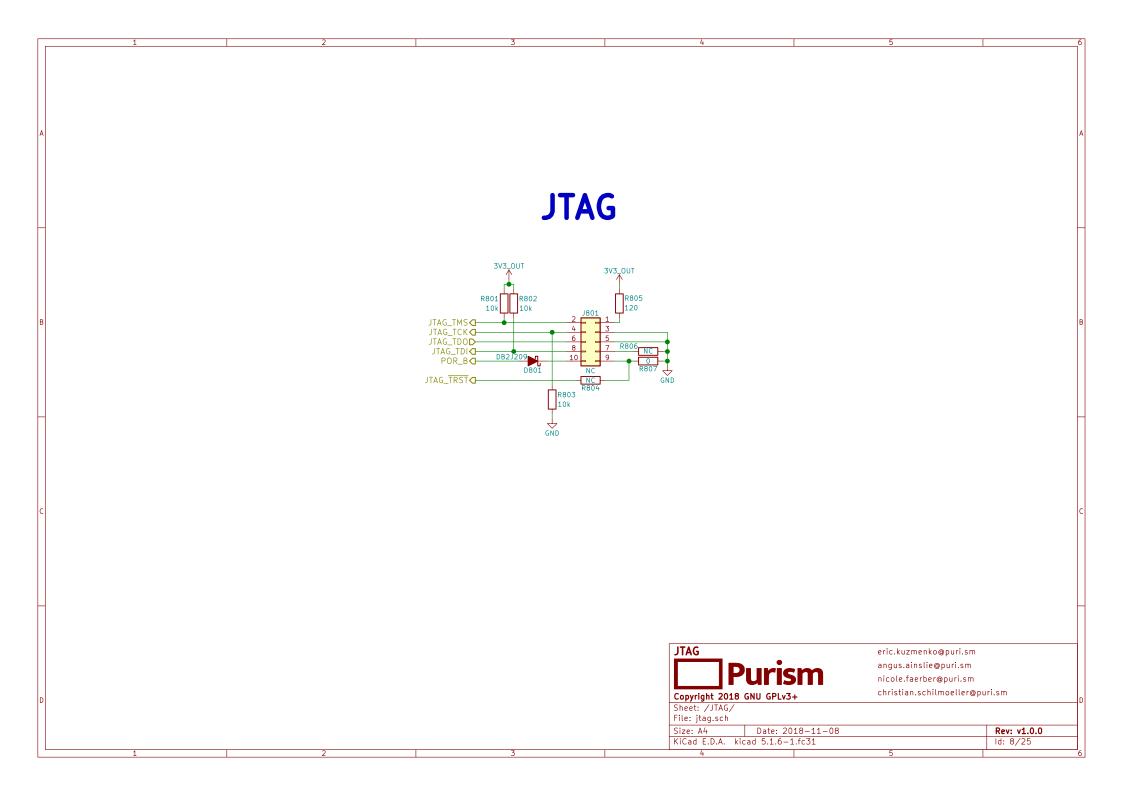


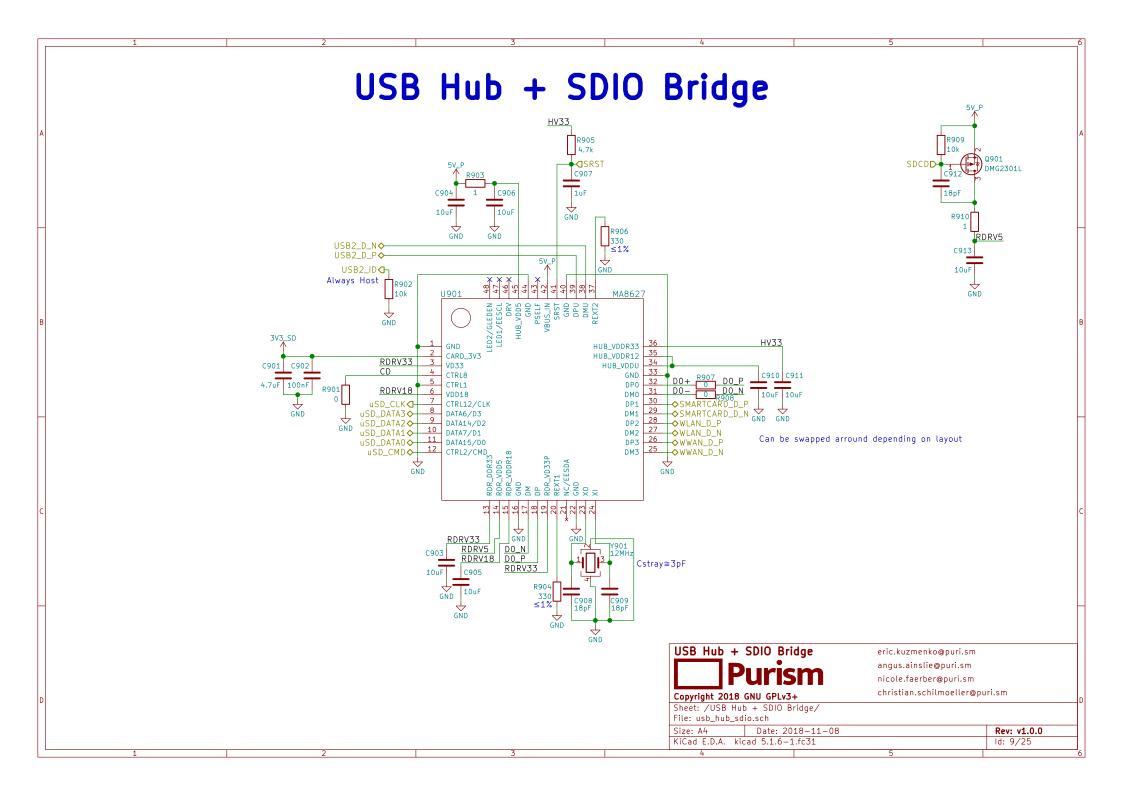
Real-Time Clock

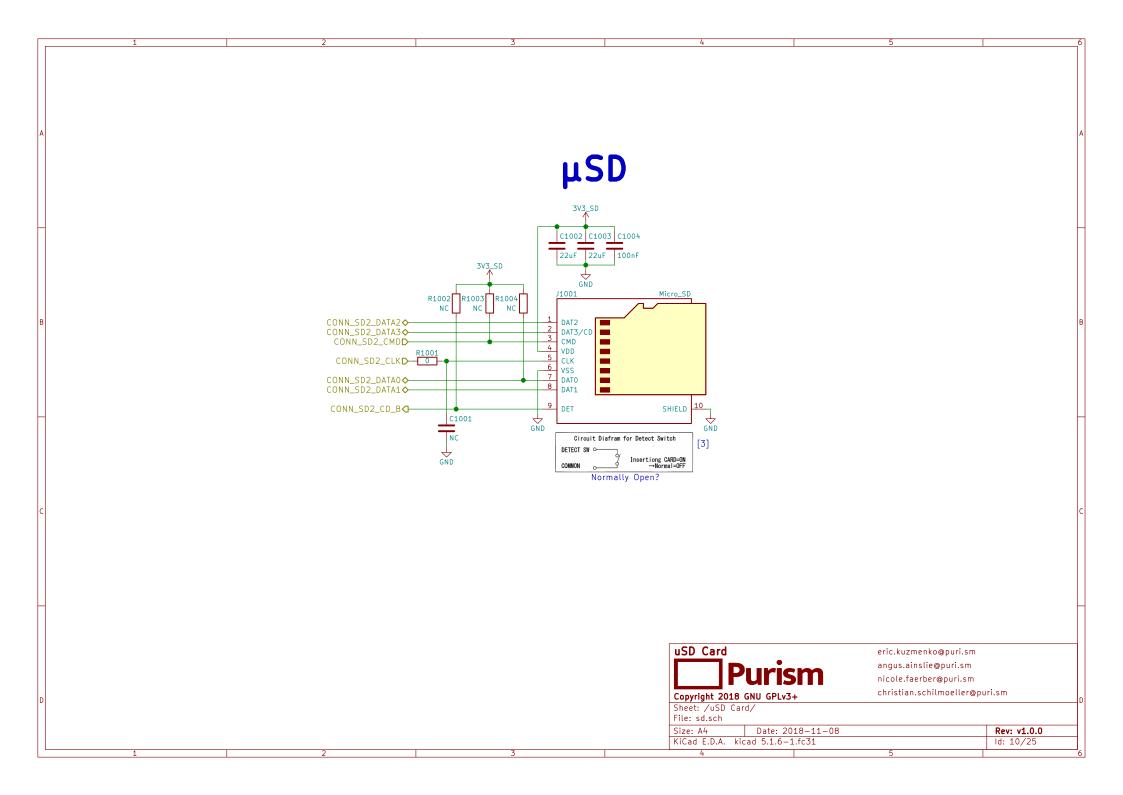




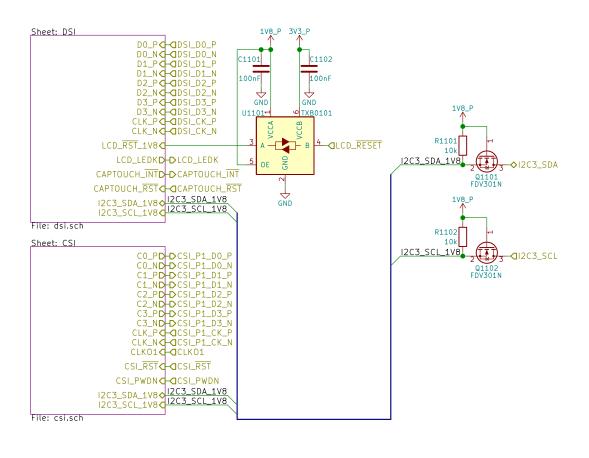




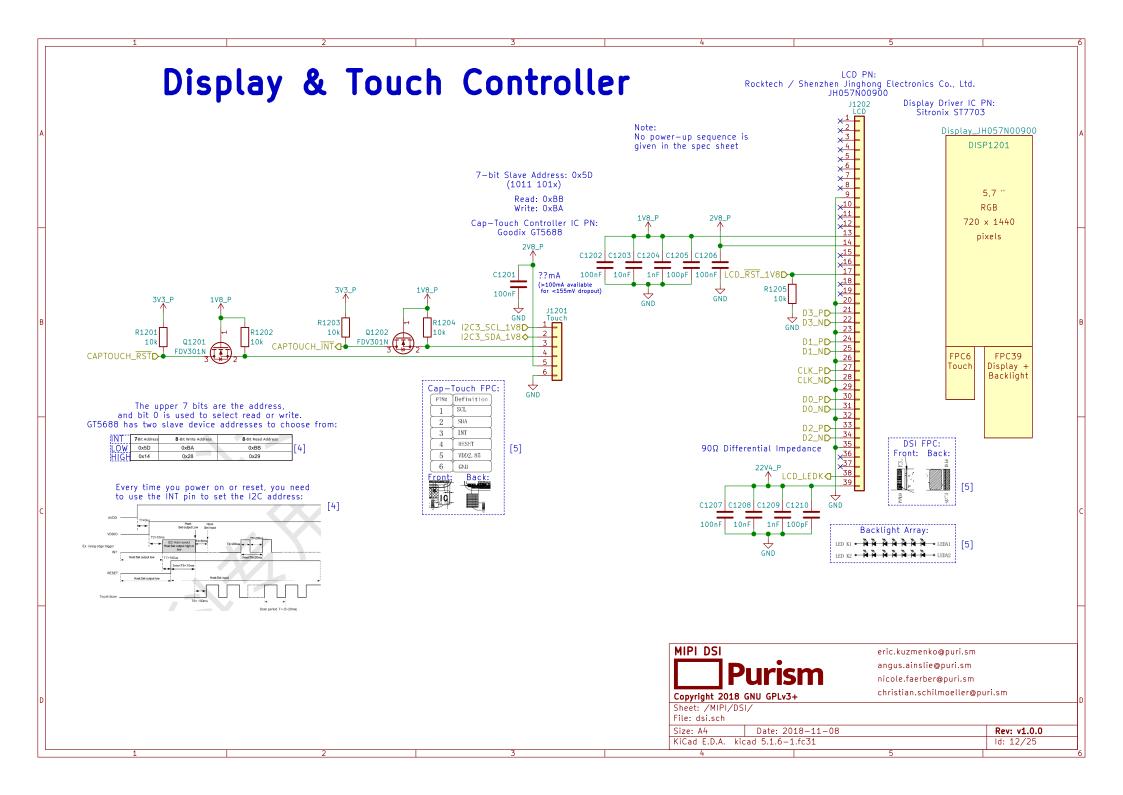


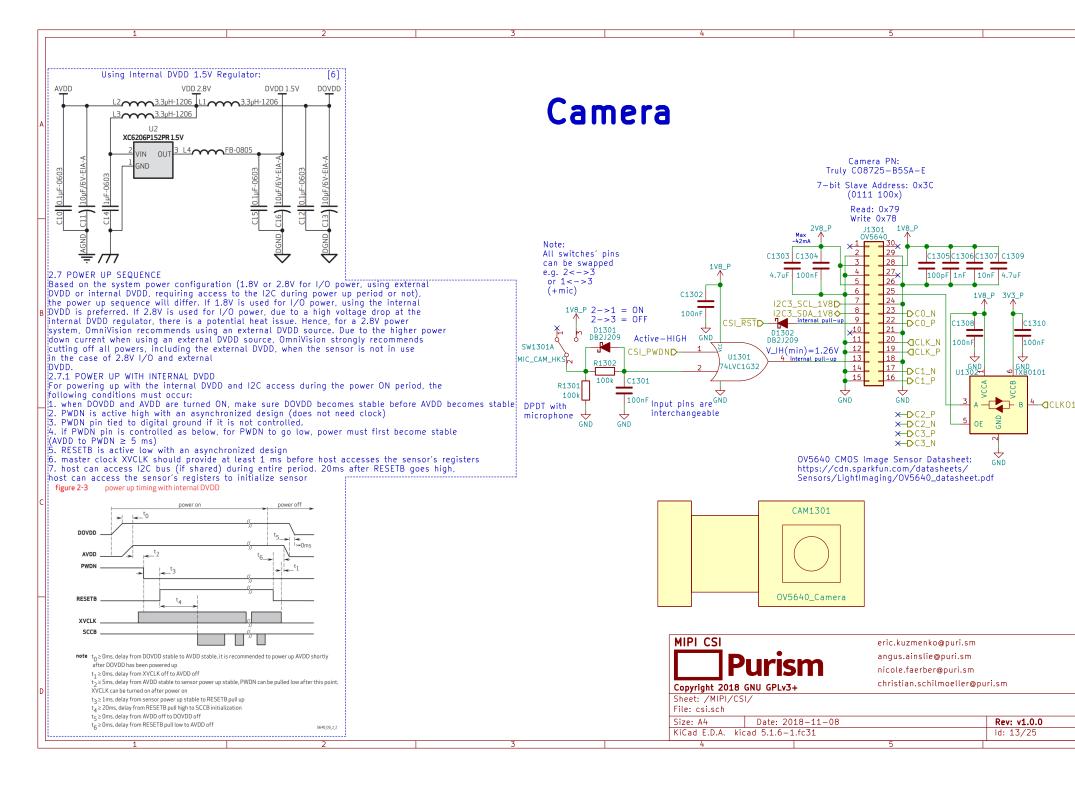




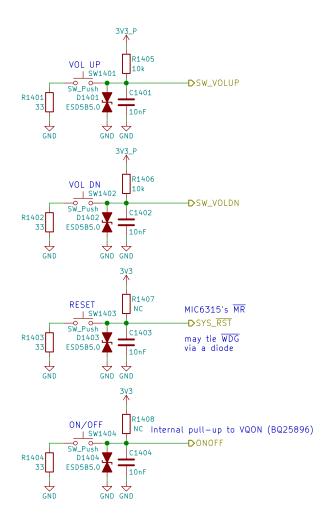


MIPI		eric.kuzmenko@puri.sm		
Purism Copyright 2018 GNU GPLv3+		angus.ainslie@puri.sm nicole.faerber@puri.sm christian.schilmoeller@puri.sm		
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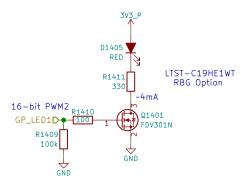




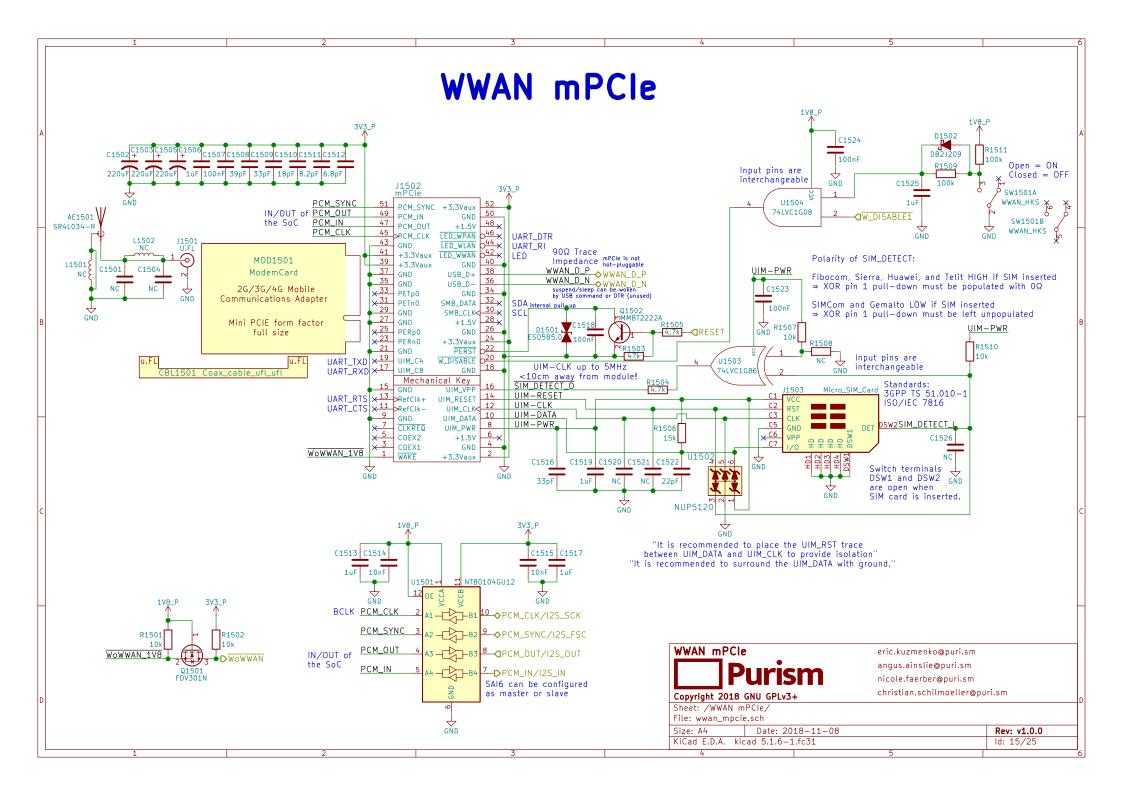
Buttons & LED

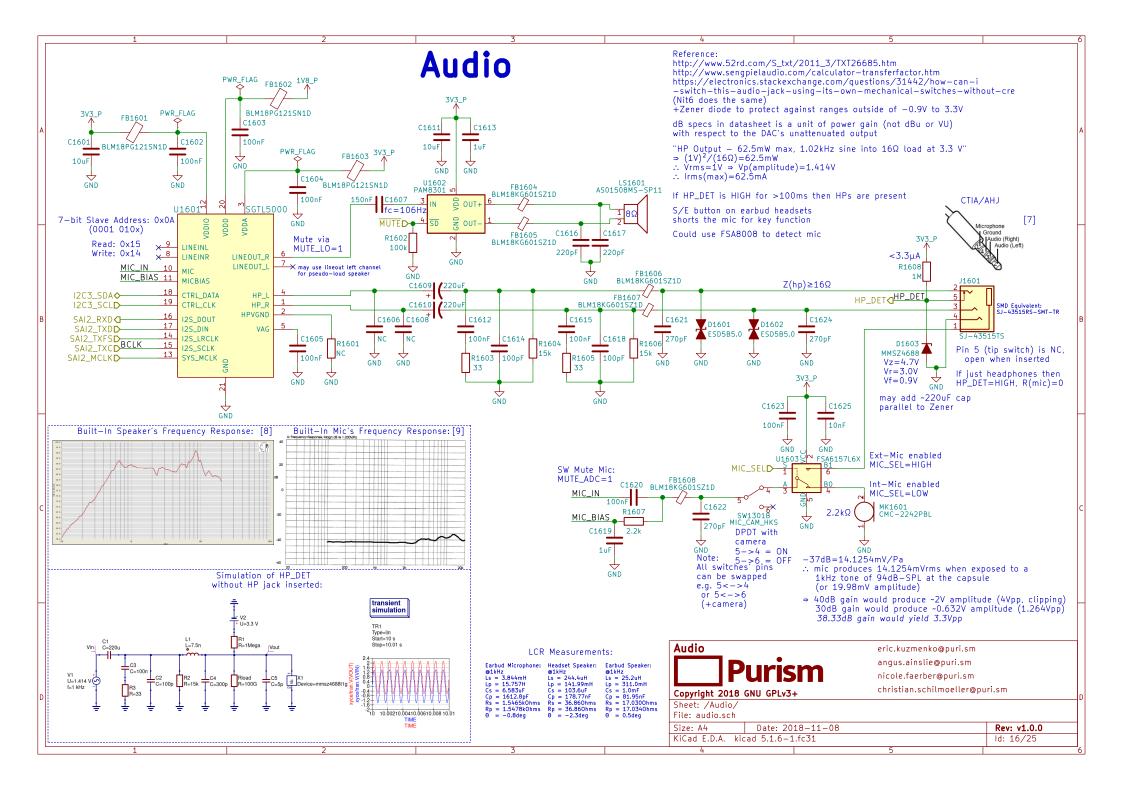


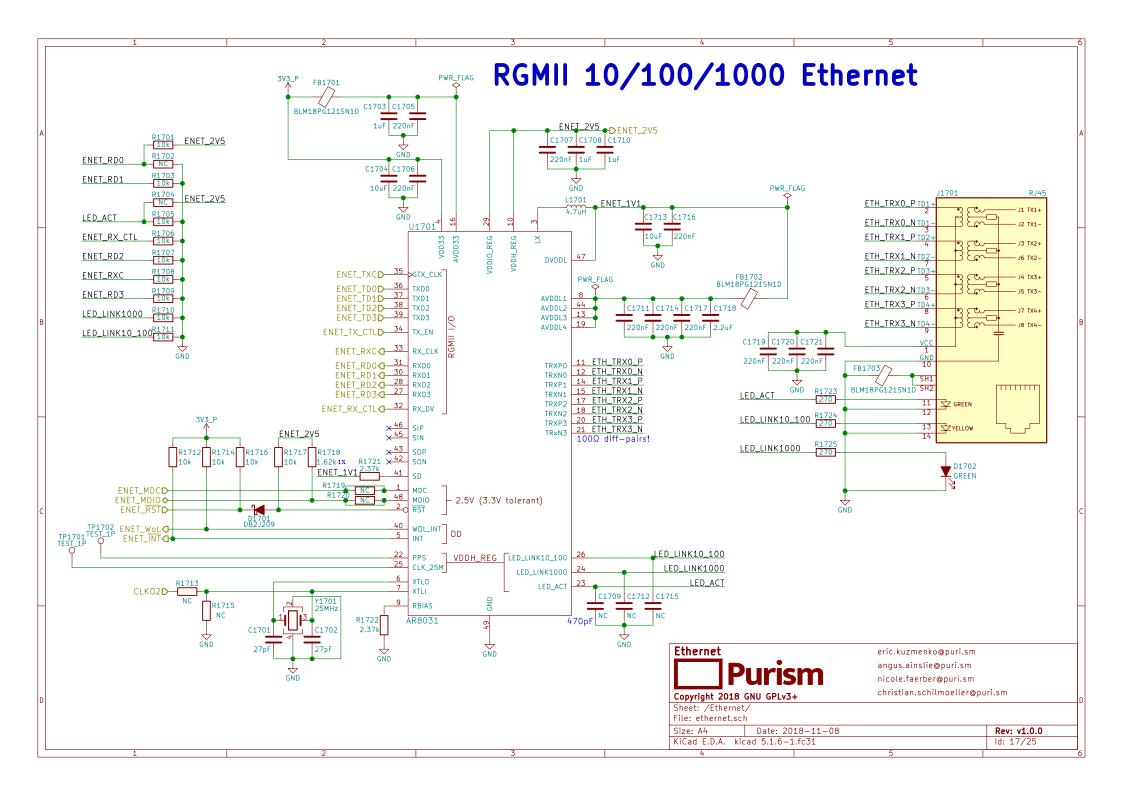
Use PWM2_PWMSAR to set the compare value (duty cycle)
Use PWM2_PWMCR[15:4] to set the PRESCALER (frequency)
Use PWM2_PWMPR to set the top of the counter (frequency)

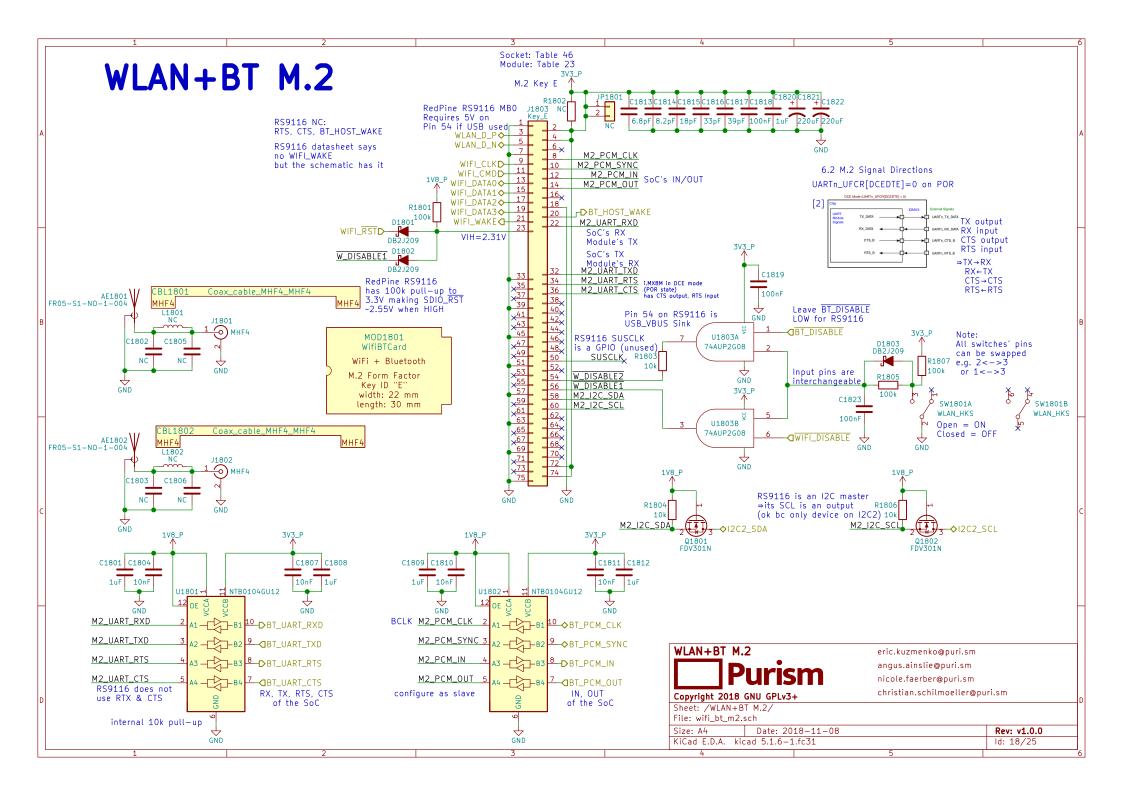






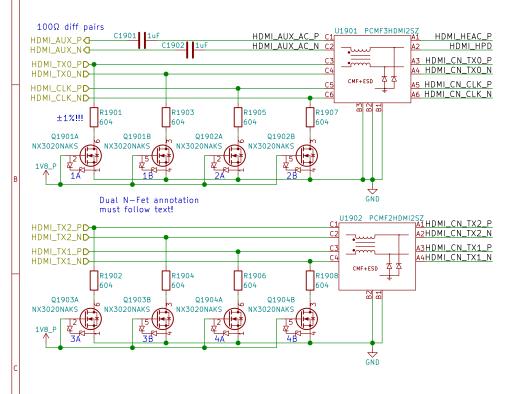


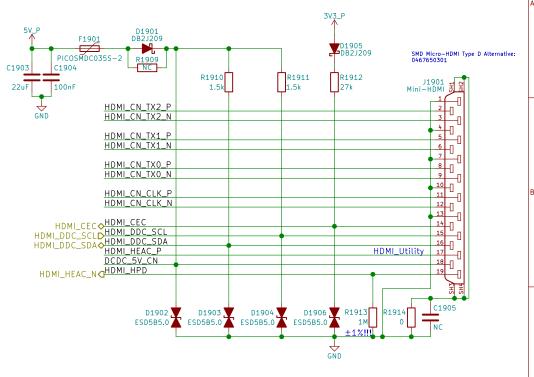




TUSB546A-DCI can be used for HDMI over USB-C

HDMI

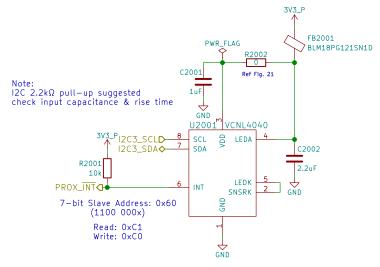






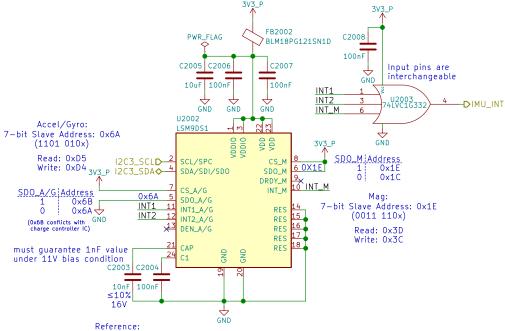
Sensors

Proximity & Ambient Light

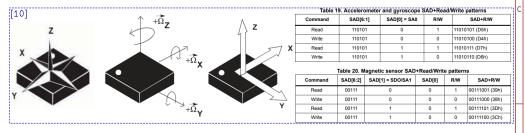


Reference: https://www.vishay.com/docs/84307/designingvcnl4040.pdf http://www.vishay.com/docs/84931/vcnl4040sensorboardfiles.pdf

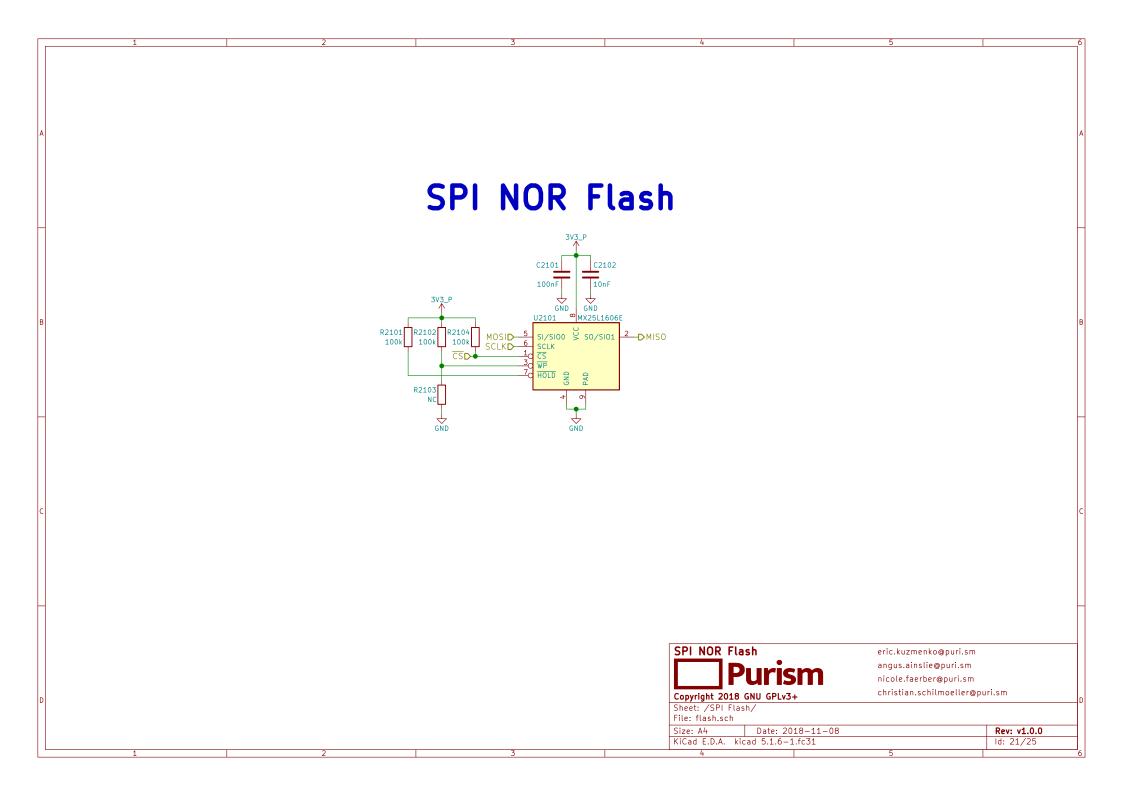
9-Axis IMU



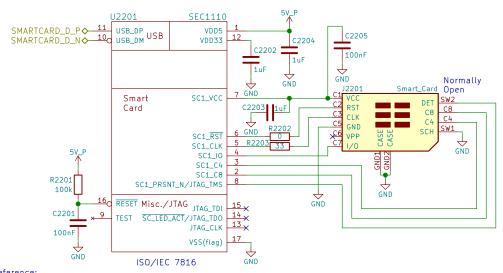
http://www.st.com/en/evaluation-tools/steval-mki159v1.html





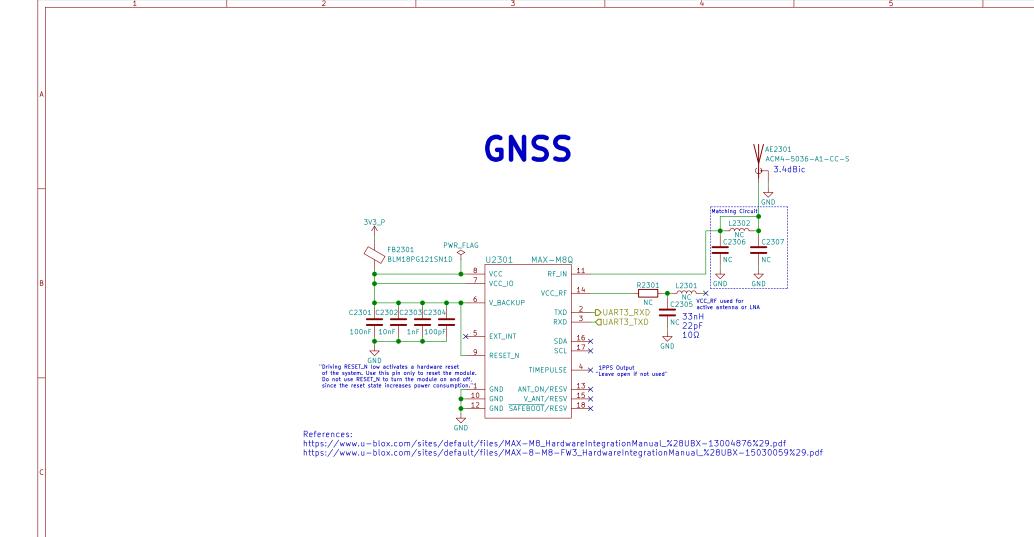


Smart Card



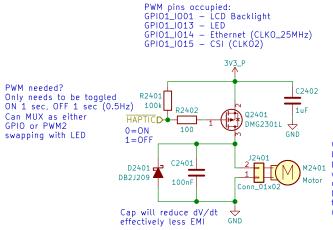
http://www.microchip.com/DevelopmentTools/ProductDetails.aspx?PartNO=EVB-SEC1110







Haptic Motor



When the motor is off both terminals are at GND Motor will have wire leads with a 2-pin Molex or Boom Precision connector installed (by request) Metal housing is floating thick adhesive layer underneath (not connected to either pin)

Purism

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Sheet: /Haptic Motor/ File: haptic.sch

Size: A4 Date: 2018-11-08 KiCad E.D.A. kicad 5.1.6-1.fc31 Rev: v1.0.0

Cad E.D.A. kicad 5.1.6-1.fc31 Id: 24/25

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