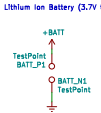
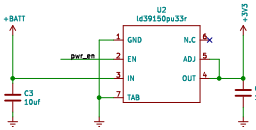
POWER

Lithium Ion Battery (3.7V to 4.2V)

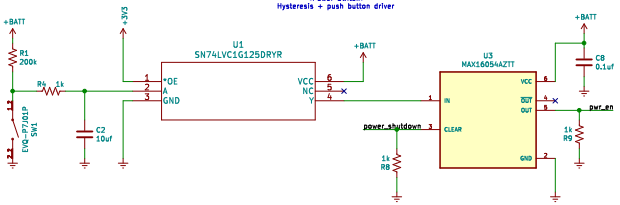


No ground separation between signal/power domain.
Board is too crowded to implement that.

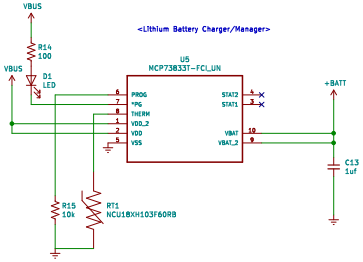
<3.3V LDO>



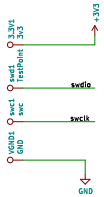
<Power Switch>
Hysteresis + push button driver

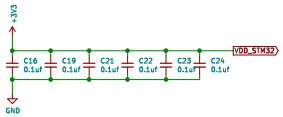


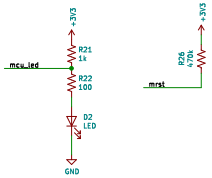
<Lithium Battery Charger/Manager>



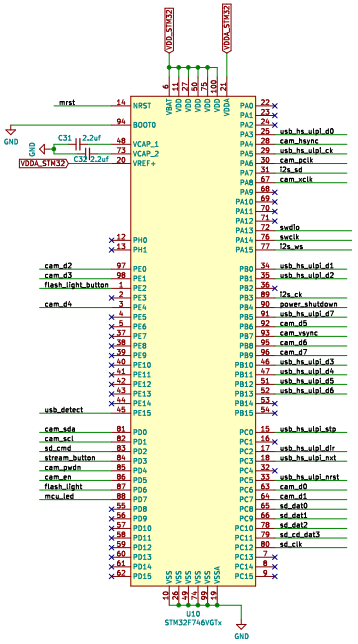
DEBUG



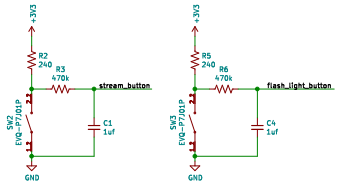




DSP MCU

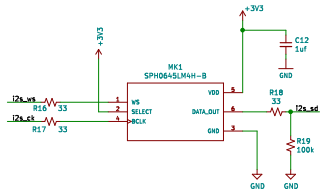


User Buttons

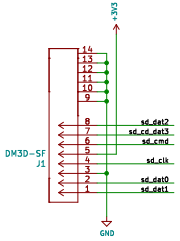


Mechanical Drillings

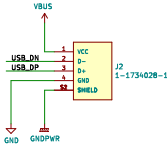
I2S MIC



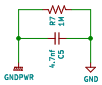
SD CARD

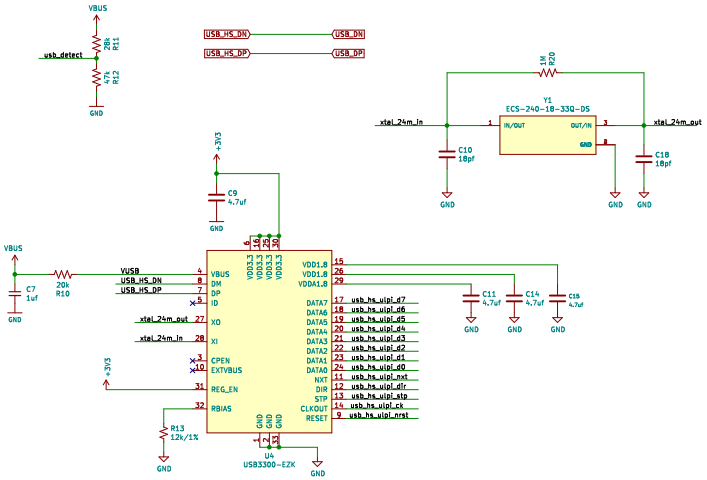


USB 2.0 High Speed PHY

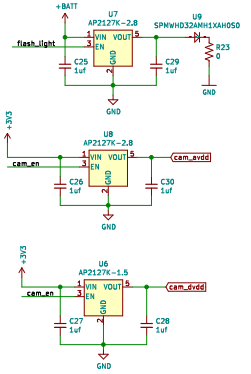


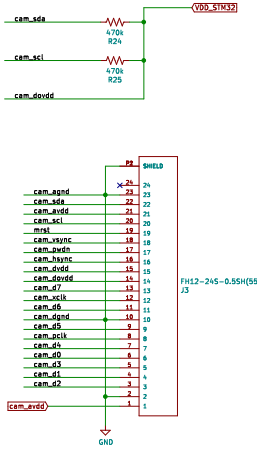
<USB Shield isolation>
Short or isolate with different scheme if necessary
to improve board layout/ESD/EMI





Parallel Camera





Sheets: /
Files: guardianCam_Wifi.sch

Title:

Size: A2	Date:	Rev:
KiCad E.D.A. kicad (5.1.6)-1		Id: 1/1