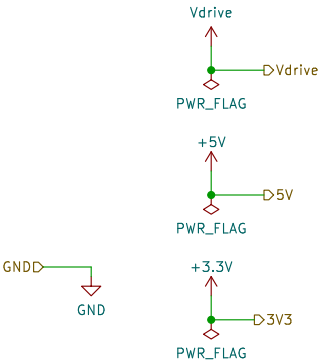
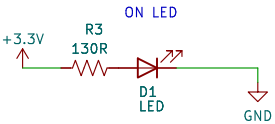
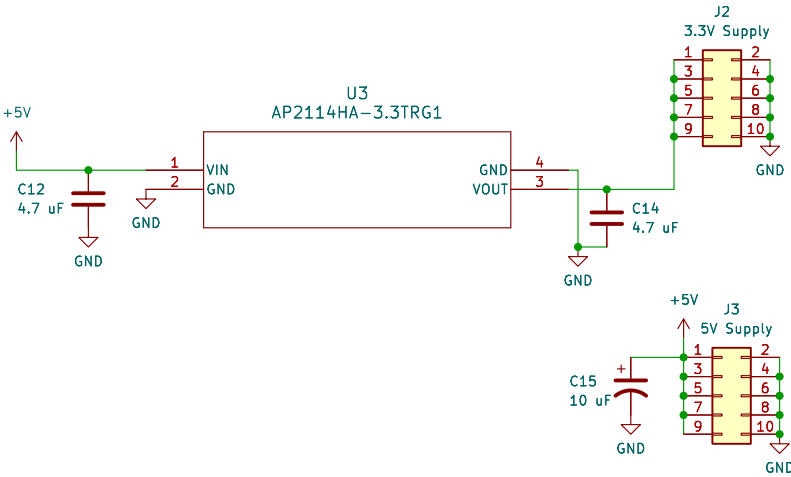
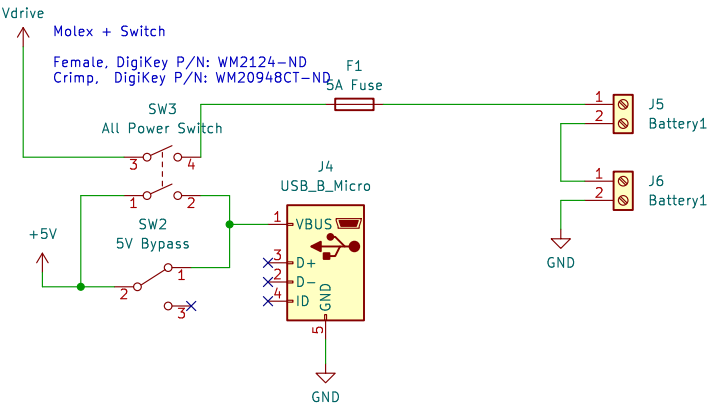
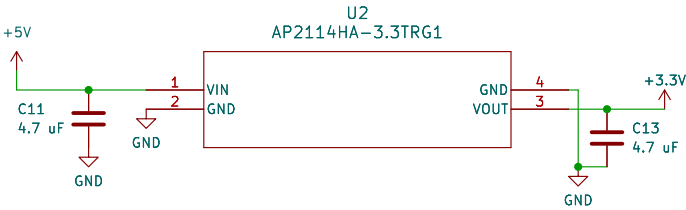


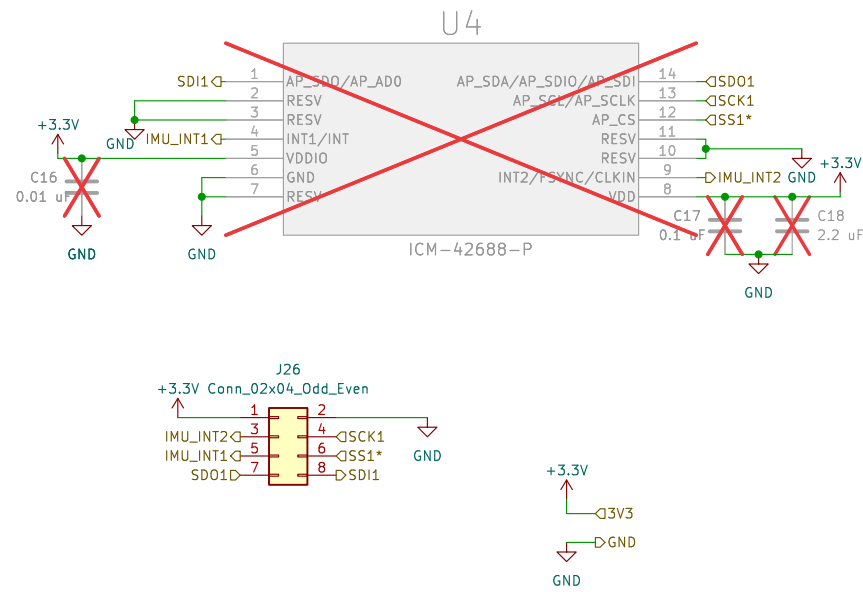
Inputs:
1) Motor Battery: 2x NiMH Battery, 7.2 V Each
2) Battery For Jetson: 12 V
3) Battery for MCU: 5 V

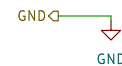
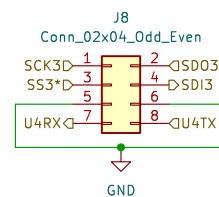
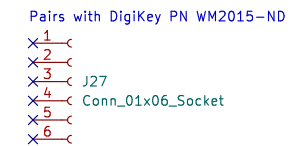
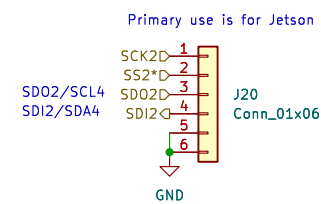
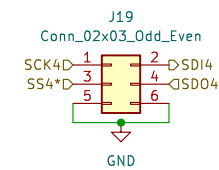
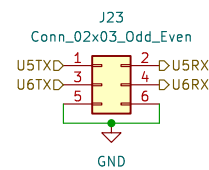
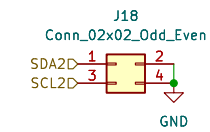
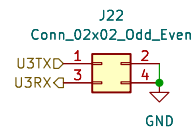
Allow MCU 3.3V/5V to be supplied by motor battery or external 5 V battery

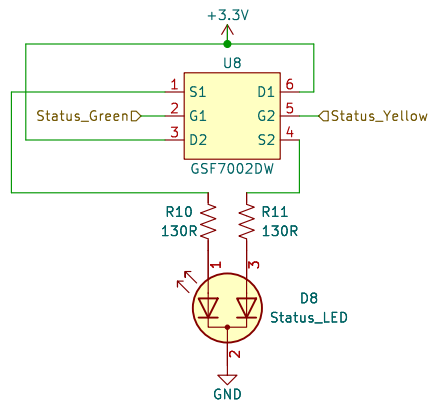
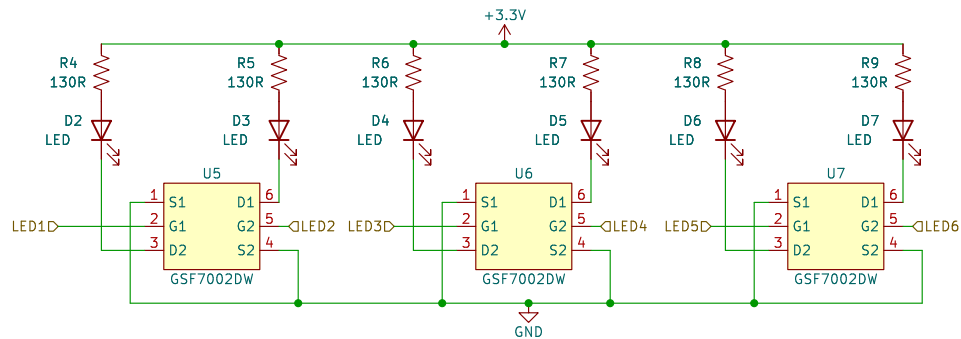


Matthew Sato Stanford University Engineering Informatics Group Department of Civil and Environmental Engineering satomm@stanford.edu		
Sheet: /Power/ File: Power.kicad_sch		
Title: MCU Controller		
Size: B	Date:	Rev: 0.2
KiCad E.D.A. kicad 7.0.6		Id: 2/12

6 Axis IMU: Accel + Gyro, Temperature



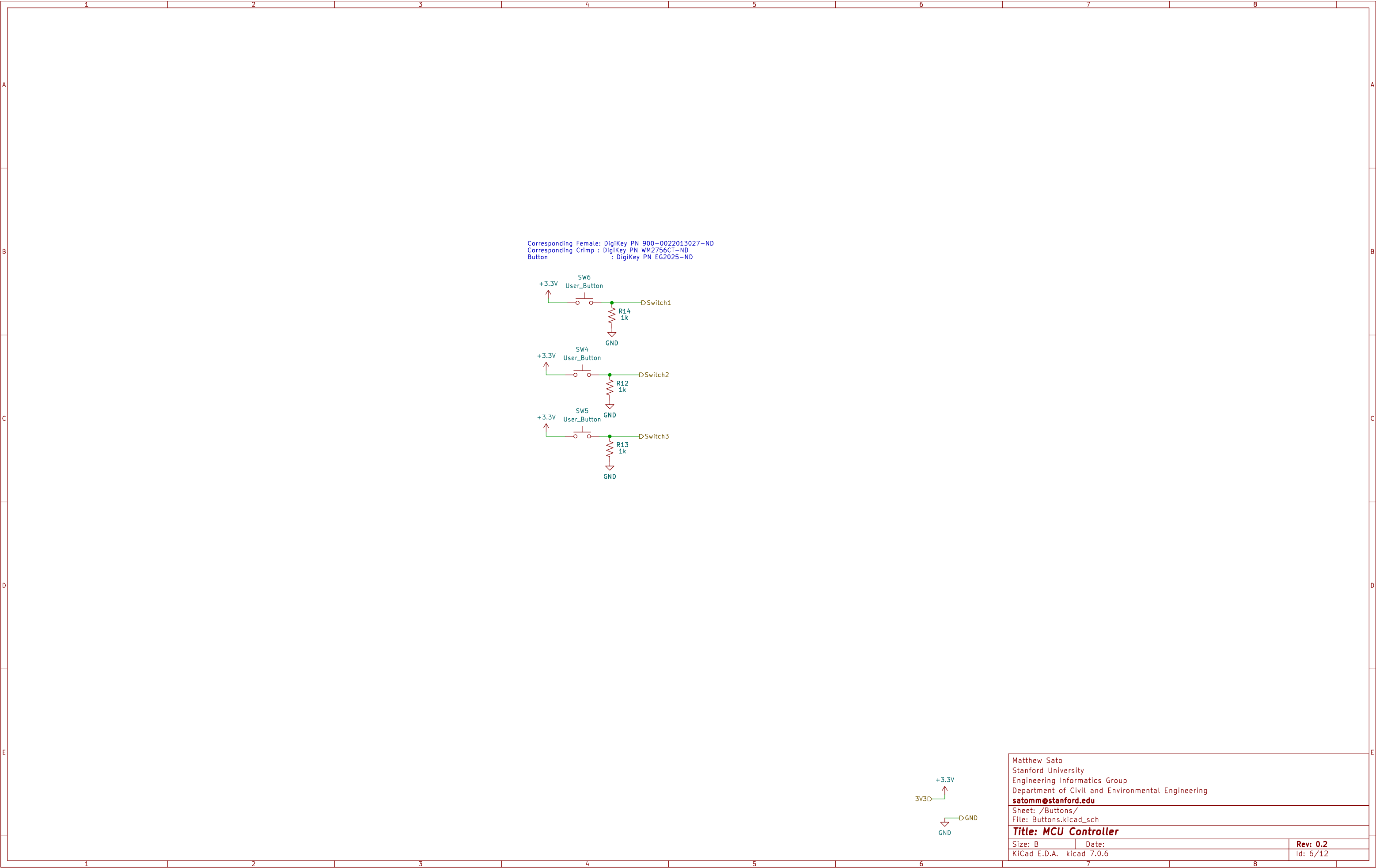


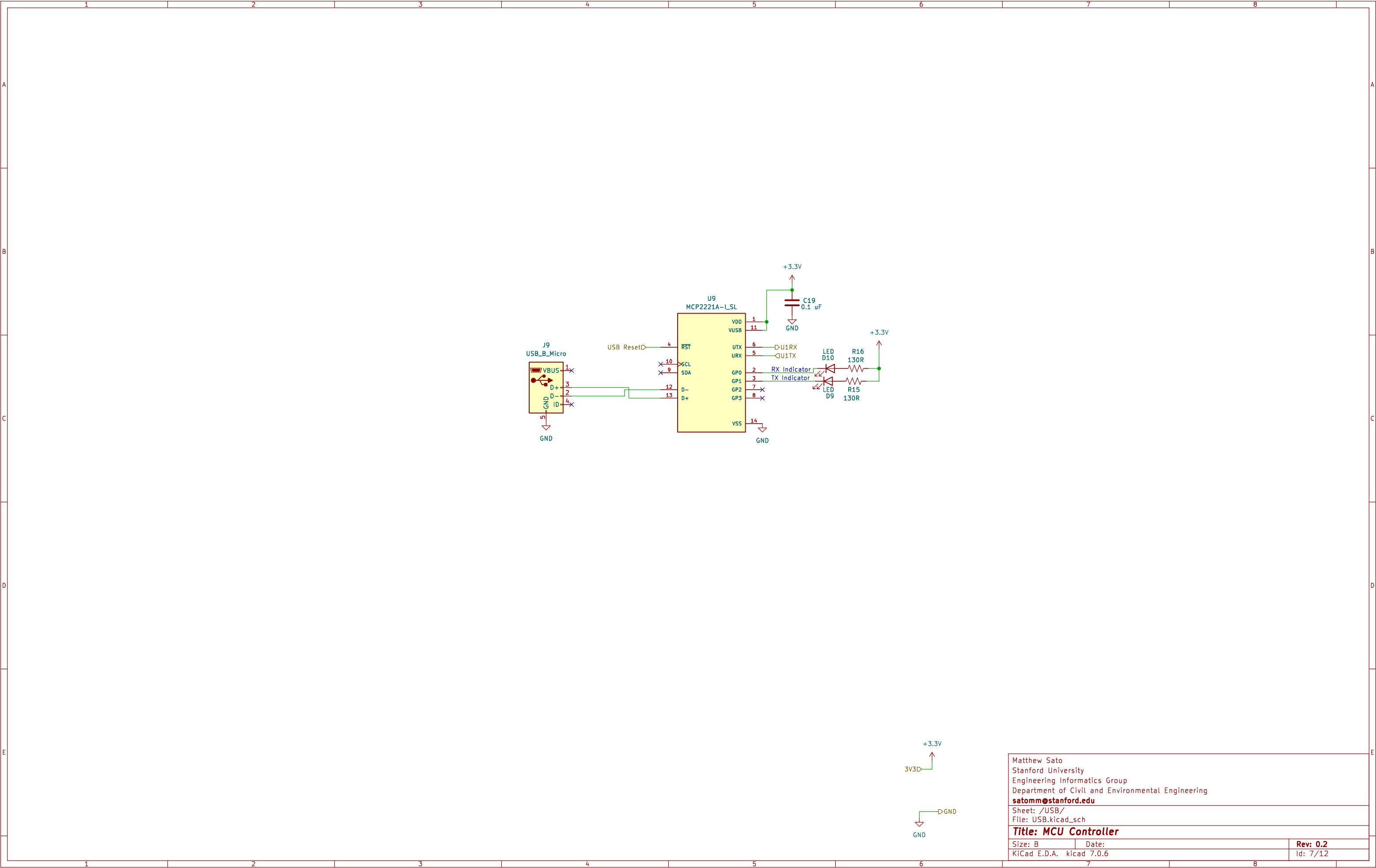


2.54 mm Lead spacing

Corresponding Female: DigiKey PN 900-0022013037-ND
Corresponding Crimp : DigiKey PN WM2756CT-ND





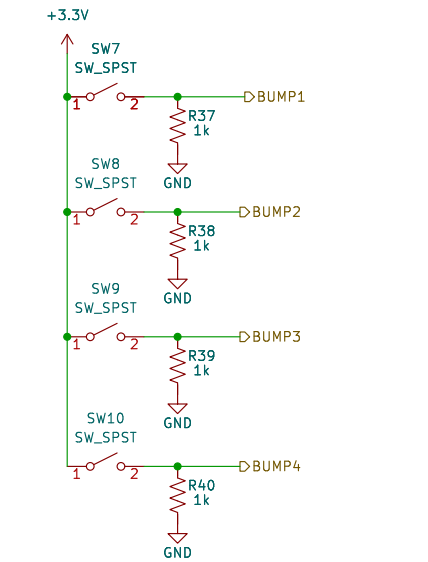


D

E

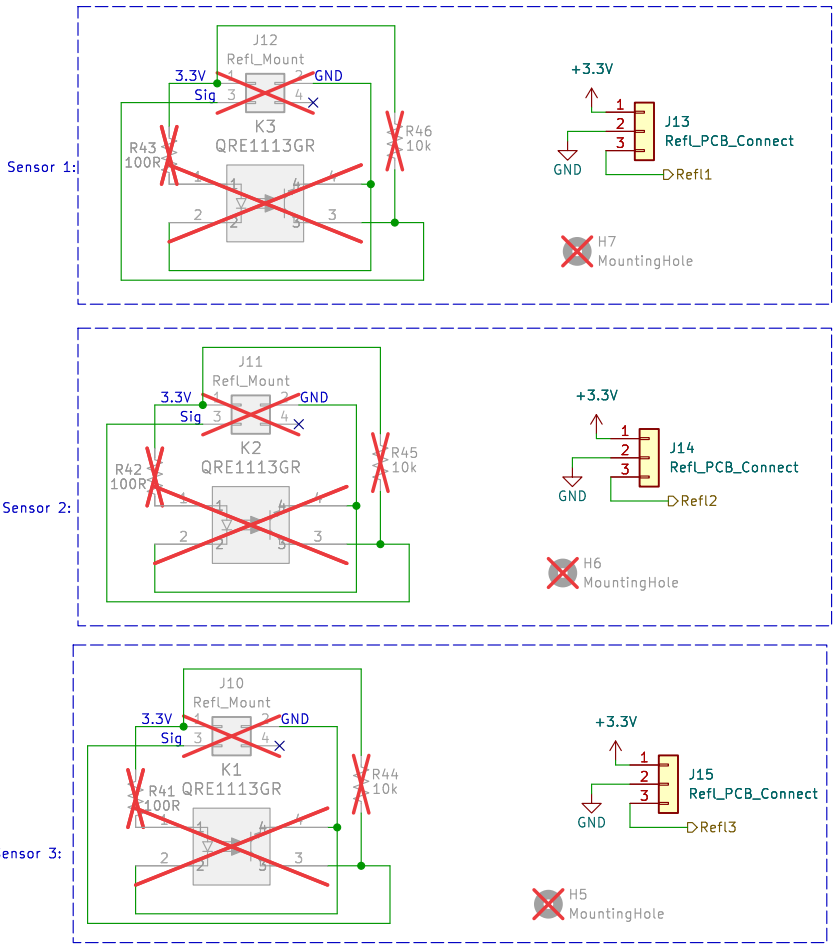


Bumper Sensors



Corresponding Female: DigiKey PN 900-0022013027-ND
Corresponding Crimp : DigiKey PN WM2756CT-ND
Limit Switch : DigiKey PN _____

Reflective Optical Sensors
(Cliff Sensor)



Corresponding Female: DigiKey PN 900-0022013037-ND
Corresponding Crimp : DigiKey PN WM2756CT-ND



