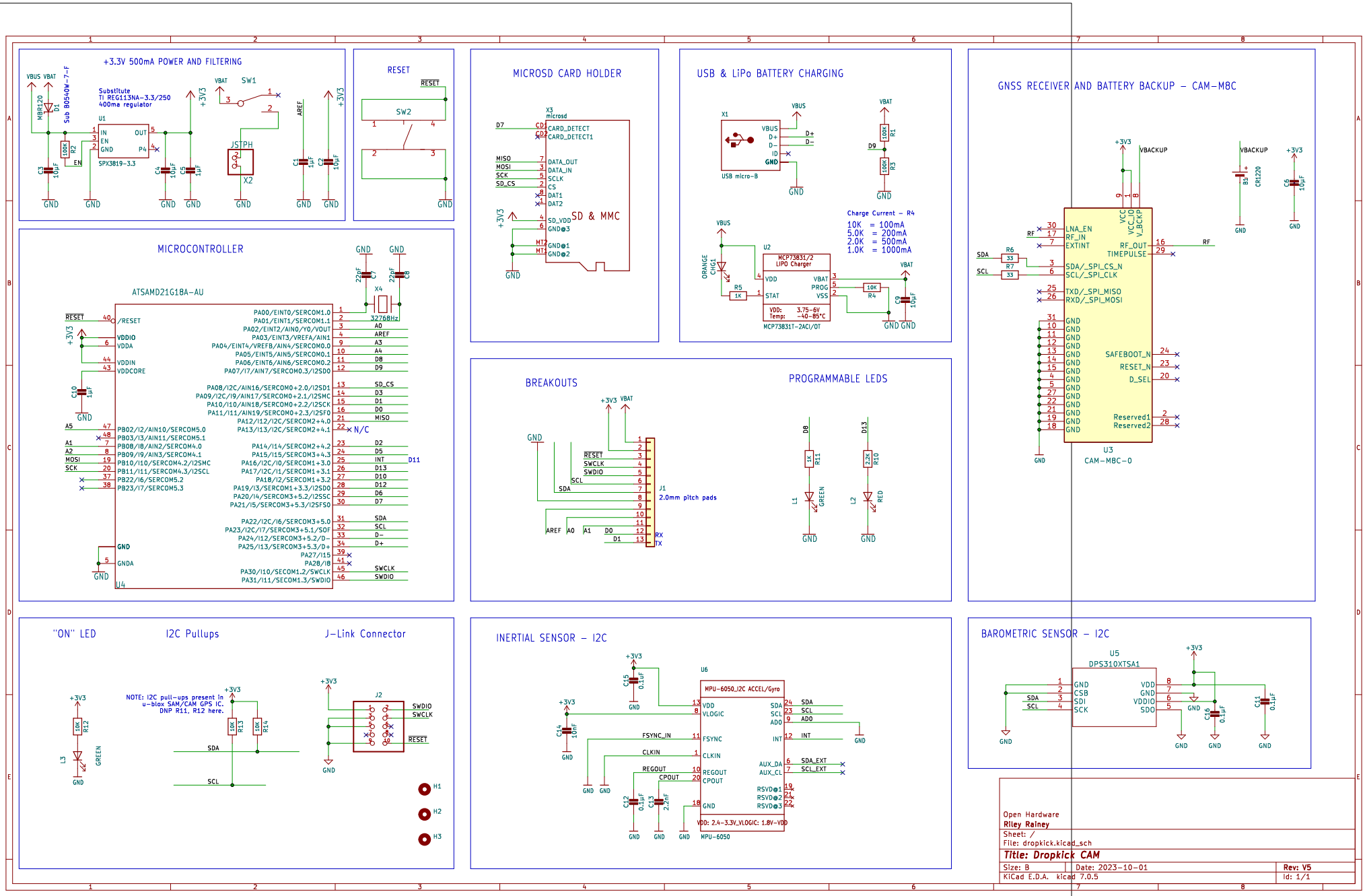
+3.3V 500mA POWER AND FILTERING
Substitute
TI REG113NA-3.3/250
400ma regulator
SPX3819-3.3
RESET
MICROSD CARD HOLDER
SD & MMC
USB & LiPo BATTERY CHARGING
USB micro-B
MCP73831/2
LiPO Charger
MCP73831T-2ACI/OT
Charge Current - R4
10K = 100mA
5.0K = 200mA
2.0K = 500mA
1.0K = 1000mA
GNSS RECEIVER AND BATTERY BACKUP - CAM-M8C
CAM-M8C-0
MICROCONTROLLER
ATSAMD21G18A-AU
BREAKOUTS
2.0mm pitch pads
PROGRAMMABLE LEDS
"ON" LED
I2C Pullups
NOTE: I2C pull-ups present in u-blox SAM/CAM GPS IC. DNP R11, R12 here.
J-Link Connector
INERTIAL SENSOR - I2C
MPU-6050_I2C ACCEL/Gyro
MPU-6050
BAROMETRIC SENSOR - I2C
DPS310XTSA1
Open Hardware
Riley Rainey
Sheet: /
File: dropkick.kicad_sch
Title: Dropkick CAM
Size: B
Date: 2023-10-01
Rev: V5
KiCad E.D.A. kicad 7.0.5
Id: 1/1