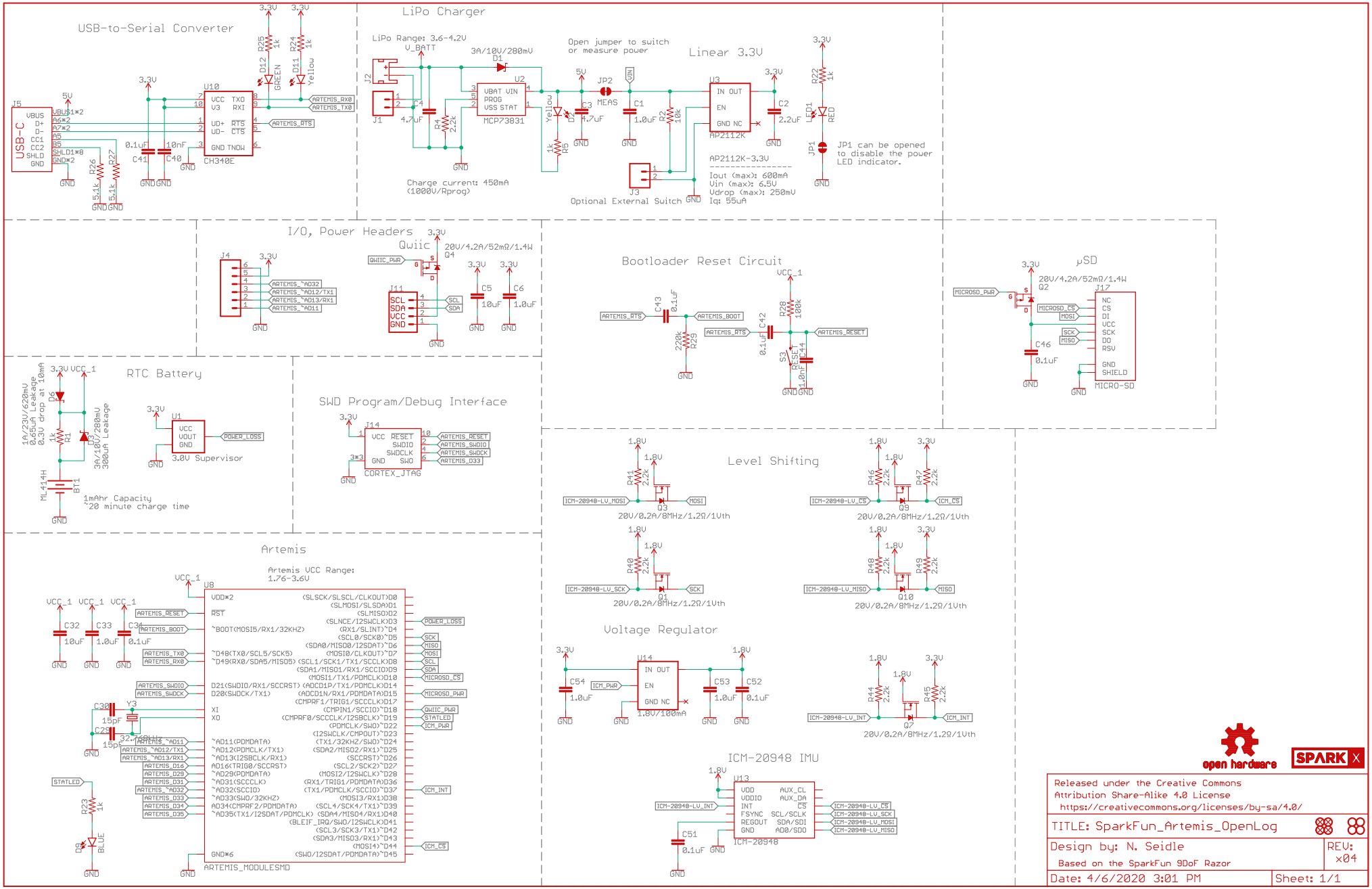
USB-to-Serial Converter
LiPo Charger
LiPo Range: 3.6-4.2V
V_BATT
3A/10V/280mV
Open jumper to switch or measure power
Linear 3.3V
JP1 can be opened to disable the power LED indicator.
AP2112K-3.3V
Iout (max): 600mA
Vin (max): 6.5V
Vdrop (max): 250mV
Iq: 55uA
Charge current: 450mA
(1000V/Rprog)
Optional External Switch
I/O, Power Headers
Qwiic
20V/4.2A/52mΩ/1.4W
Bootloader Reset Circuit
µSD
RTC Battery
1mAhr Capacity
~20 minute charge time
3.0V Supervisor
SWD Program/Debug Interface
Artemis
Artemis VCC Range:
1.76-3.6V
Level Shifting
20V/0.2A/8MHz/1.2Ω/1Vth
Voltage Regulator
ICM-20948 IMU
open hardware
SPARK X
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TITLE: SparkFun_Artemis_OpenLog
Design by: N. Seidle
Based on the SparkFun 9DoF Razor
REV: x04
Date: 4/6/2020 3:01 PM
Sheet: 1/1