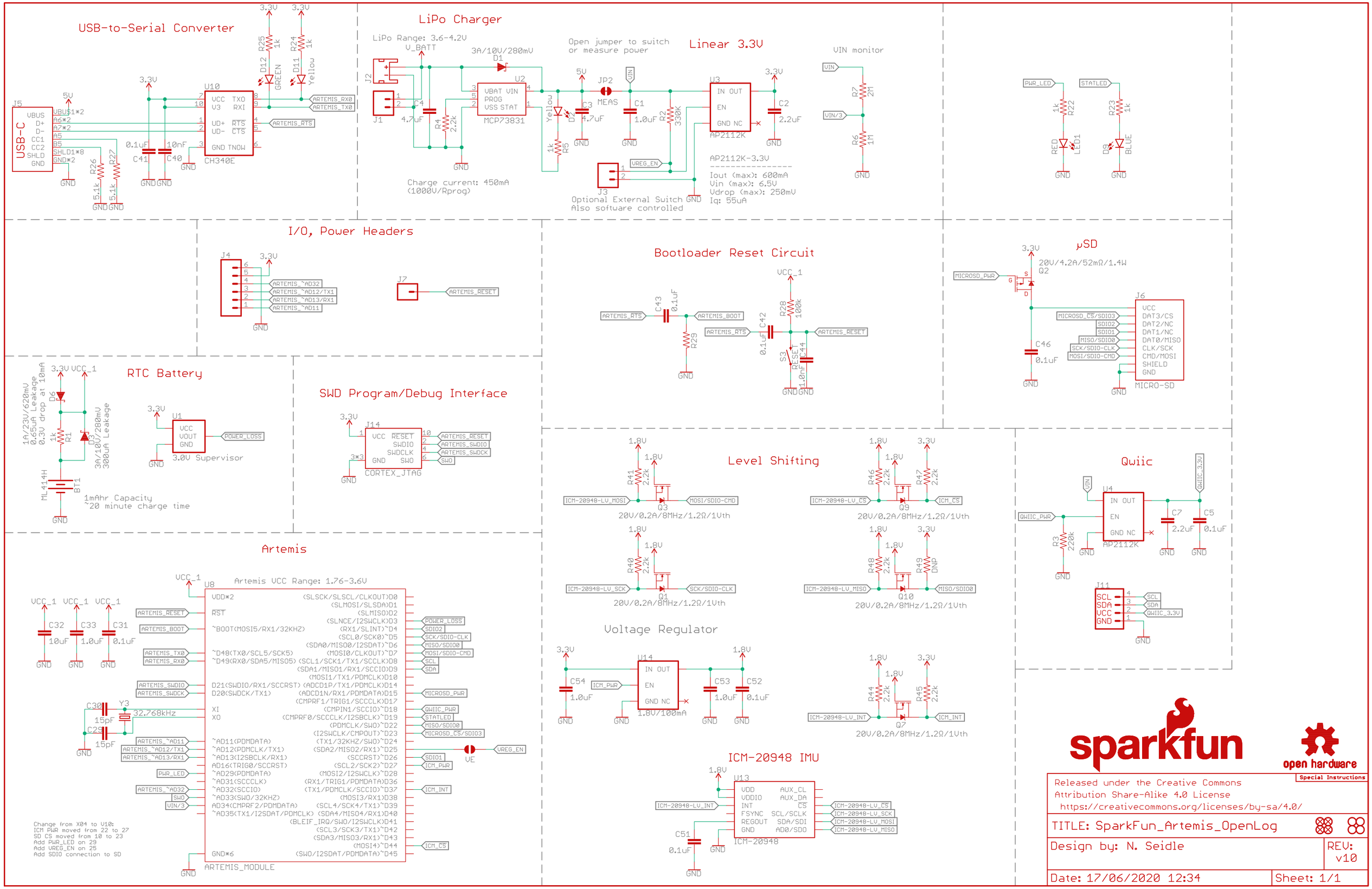
USB-to-Serial Converter
LiPo Charger
LiPo Range: 3.6-4.2V
V_BATT
3A/10V/280mV
Open jumper to switch or measure power
Linear 3.3V
VIN monitor
Charge current: 450mA (1000V/Rprog)
Optional External Switch Also software controlled
AP2112K-3.3V
Iout (max): 600mA
Vin (max): 6.5V
Vdrop (max): 250mV
Iq: 55uA
I/O, Power Headers
Bootloader Reset Circuit
µSD
20V/4.2A/52mΩ/1.4W
RTC Battery
1mAhr Capacity
~20 minute charge time
3.0V Supervisor
SWD Program/Debug Interface
Level Shifting
20V/0.2A/8MHz/1.2Ω/1Vth
Qwiic
Voltage Regulator
ICM-20948 IMU
Artemis
Artemis VCC Range: 1.76-3.6V
ARTEMIS_MODULE
Change from X04 to V10:
ICM PWR moved from 22 to 27
SD CS moved from 10 to 23
Add PWR_LED on 29
Add VREG_EN on 25
Add SDIO connection to SD
sparkfun
open hardware
Special Instructions
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TITLE: SparkFun_Artemis_OpenLog
Design by: N. Seidle
REV: v10
Date: 17/06/2020 12:34
Sheet: 1/1