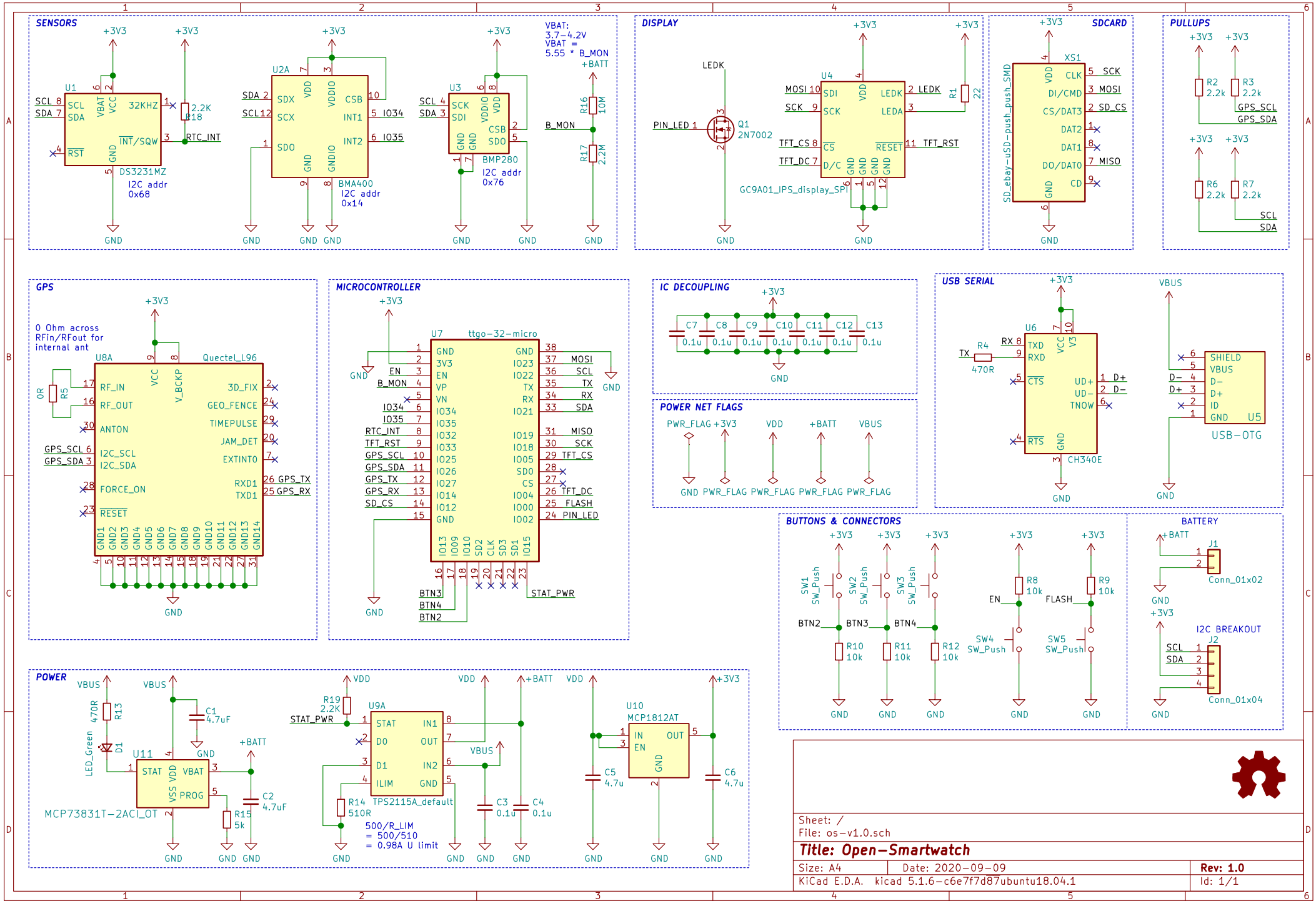
SENSORS
U1
DS3231MZ
I2C addr 0x68
U2A
BMA400
I2C addr 0x14
U3
BMP280
I2C addr 0x76
VBAT: 3.7–4.2V
VBAT = 5.55 * B_MON
DISPLAY
U4
GC9A01_IPS_display_SPI
SDCARD
XS1
SD_ebay-uSD-push-push_SMD
PULLUPS
GPS
0 Ohm across RFin/RFout for internal ant
U8A
Quectel_L96
MICROCONTROLLER
U7
ttgo-32-micro
IC DECOUPLING
POWER NET FLAGS
USB SERIAL
U6
CH340E
USB-OTG
BUTTONS & CONNECTORS
BATTERY
I2C BREAKOUT
POWER
U11
MCP73831T-2ACI_OT
U9A
TPS2115A_default
500/R_LIM = 500/510 = 0.98A U limit
U10
MCP1812AT
Sheet: /
File: os-v1.0.sch
Title: Open-Smartwatch
Size: A4
Date: 2020-09-09
Rev: 1.0
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1
Id: 1/1