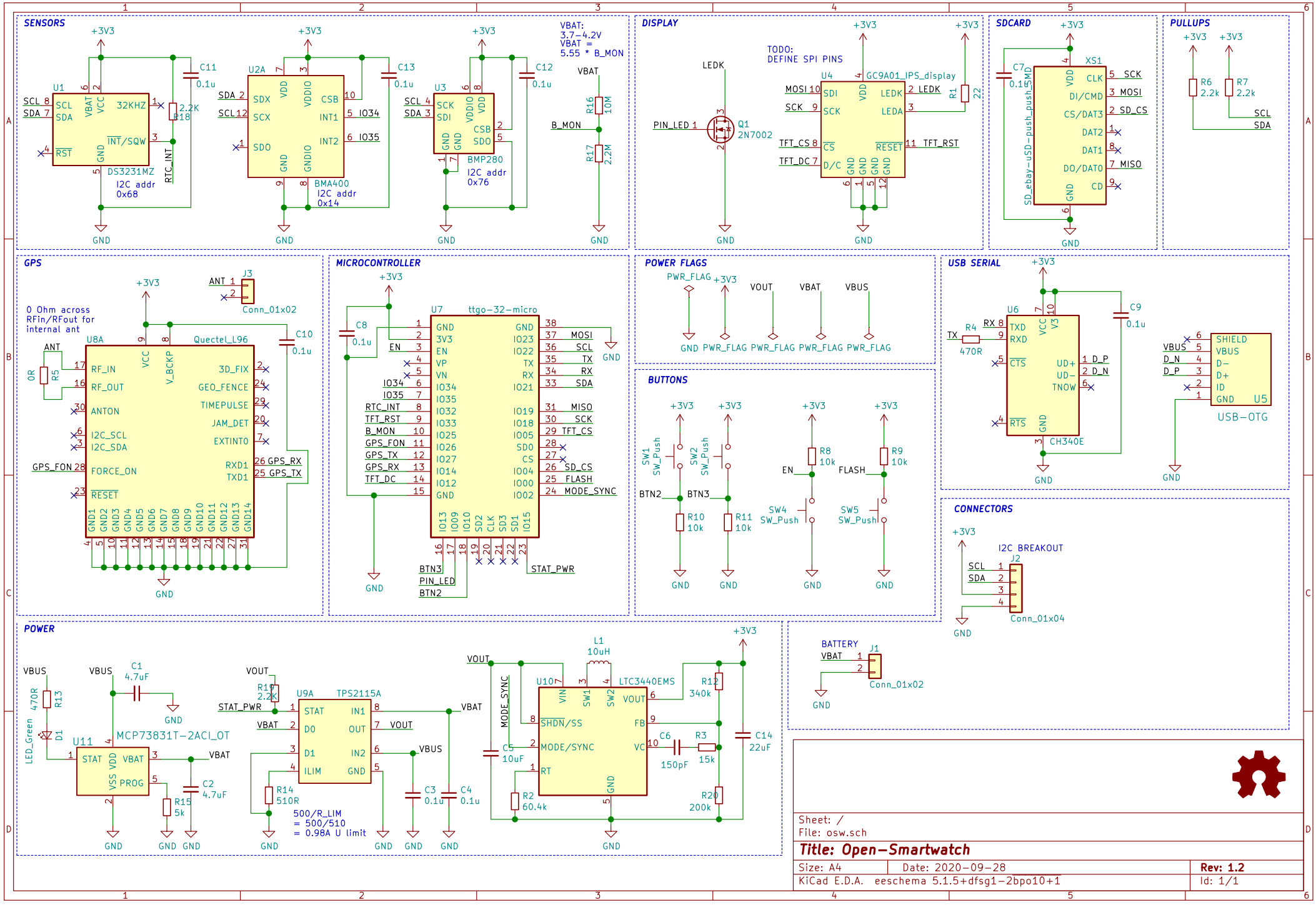
SENSORS
U1
DS3231MZ
I2C addr 0x68
U2A
BMA400
I2C addr 0x14
U3
BMP280
I2C addr 0x76
VBAT: 3.7–4.2V
VBAT = 5.55 * B_MON
DISPLAY
TODO: DEFINE SPI PINS
U4
GC9A01_IPS_display
Q1 2N7002
SDCARD
XS1
SD_ebay-uSD-push_push_SMD
PULLUPS
GPS
J3
Conn_01x02
0 Ohm across RFin/RFout for internal ant
U8A
Quectel_L96
MICROCONTROLLER
U7
ttgo-32-micro
POWER FLAGS
BUTTONS
USB SERIAL
U6
CH340E
USB-OTG
U5
CONNECTORS
I2C BREAKOUT
J2
Conn_01x04
POWER
U11
MCP73831T-2ACI_OT
U9A
TPS2115A
500/R_LIM = 500/510 = 0.98A U limit
U10
LTC3440EMS
BATTERY
J1
Conn_01x02
Sheet: /
File: osw.sch
Title: Open-Smartwatch
Size: A4
Date: 2020-09-28
Rev: 1.2
KiCad E.D.A. eeschema 5.1.5+dfsg1-2bpo10+1
Id: 1/1