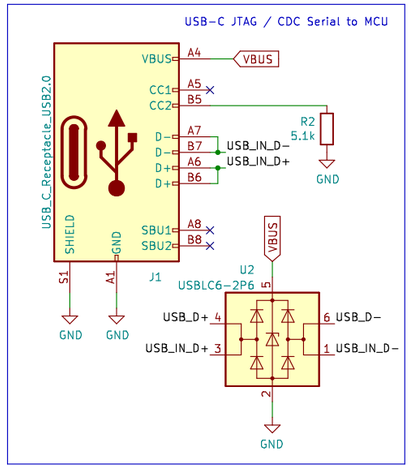
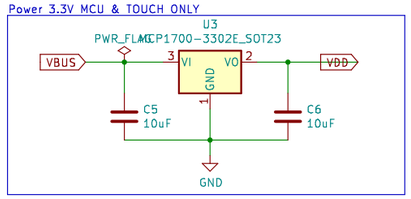
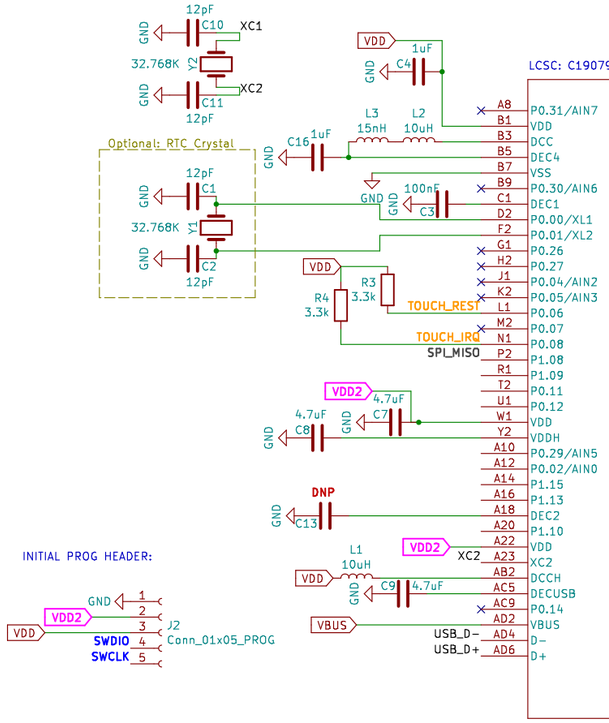
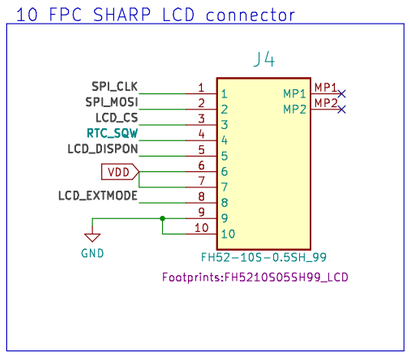
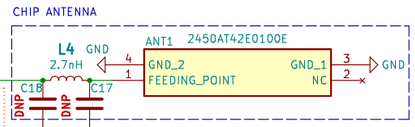
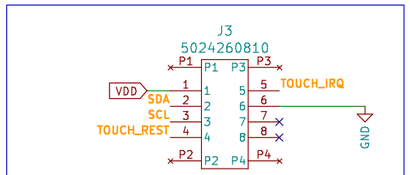












Pending TO-DOs

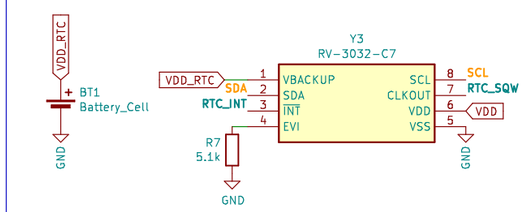
1 Add QWIIC I2C connector

2 Add TP4057 battery charger circuit

3 Or decide if Rel 1.0 should have this

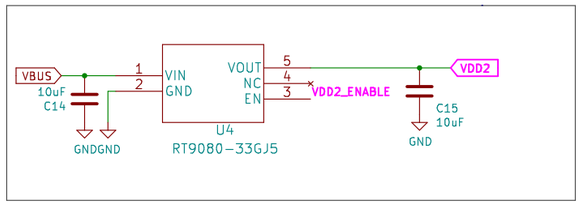
4 IMPORTANT: Double check initial PROG SWDIO/SWCLK connectors

RTC SQW GENERATOR FOR LCD



DESIGN REFERENCES
1 https://resources.altium.com/p/getting-started-nrf52-mcu-pcb
2 https://github.com/mike-rankin/nRF52832_Oled_Board Thanks Mike!

PERIPHERALs POWER



LCD PINOUT REFERENCE

```
Sharp Memory Display Connector as detailed in Datasheet
https://cdn.sparkfun.com/assets/d/e/8/9/7/LS013B7DH03_datasheet.pdf
-----------------------------------------
Pin   Function      Notes
==  ========  ============================
 1   SCLK        Serial Clock
 2   MOSI        Serial Data Input
 3   CS          Serial Chip Select
 4   EXTCOMIN    External COM Inversion Signal <- Fed by RTC_SQW
 5   DISP        Display On(High)/Off(Low)
 6   VDDA        Analog power supply
 7   VDD         Digital 3.3-5.0V (into LDO supply)
 8   EXTMODE     COM Inversion Select (Low = SW clock/serial)
 9   GND
 10  VSSA  -> GND
```