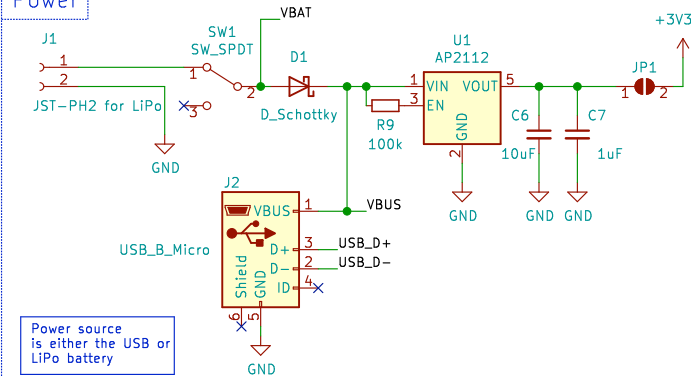
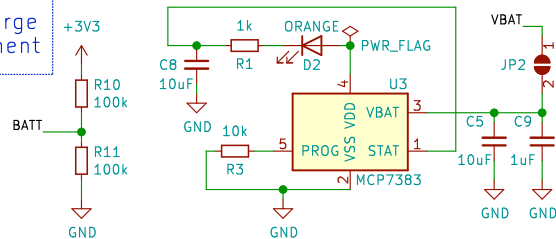


Power



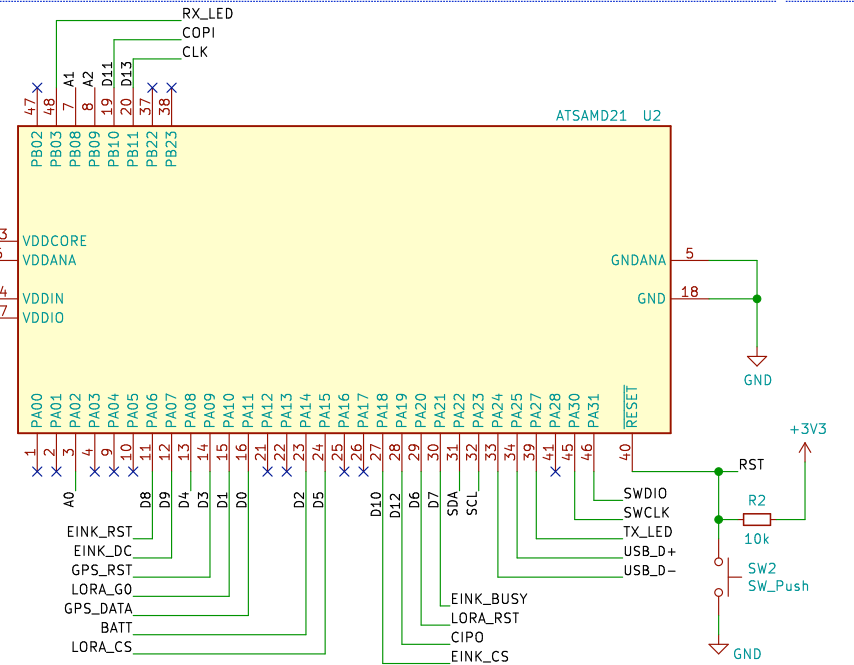
LiPo Charge Management



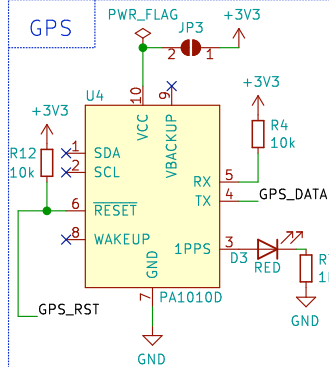
Microcontroller

Arduino Zero pins | SAMD21G pins

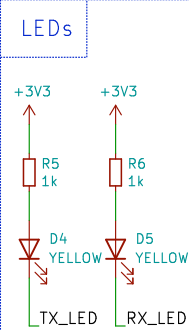
1. GPS_DATA - D0/RX - PA11
2. LORA_G0 - D1/TX - PA10
3. LORA_CS - D5 - PA15
4. LORA_RST - D6 - PA20
5. EINK_BUSY - D7 - PA21
6. EINK_RST - D8 - PA06
7. EINK_DC - D9 - PA07
8. EINK_CS - D10 - PA18
9. COPI - ICSP_COPI - PB10
10. CLK - ICSP_SCK - PB11
11. CIPO - ICSP_CIPO - PA19
12. BATT - D2 - PA14
13. GPS_RST - D3 - PA09



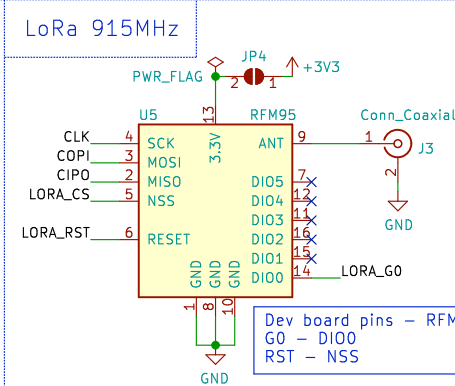
GPS



LEDs

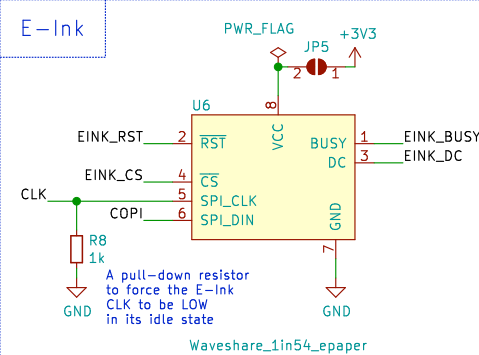


LoRa 915MHz

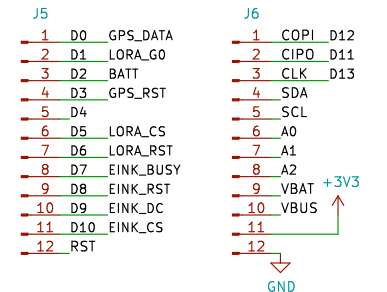


Dev board pins - RFM95 pins
G0 - DI00
RST - NSS

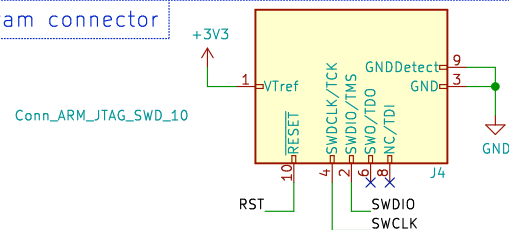
E-Ink



Extension headers



SWD Program connector



Authored by: Sayanee Basu <sayanee@gmail.com>
Project website: <https://hutscape.com/oak>
License: CC-BY-SA 4.0 or TAPR
Description: Measure outdoor distance between 2 keychain holders

Hutscape

Sheet: /
File: Oak.sch

Title: Oak

Size: A4
KiCad E.D.A. kicad (5.1.6-0-10_14)

Date: 2020-11-23

Rev: V1.0

Id: 1/1