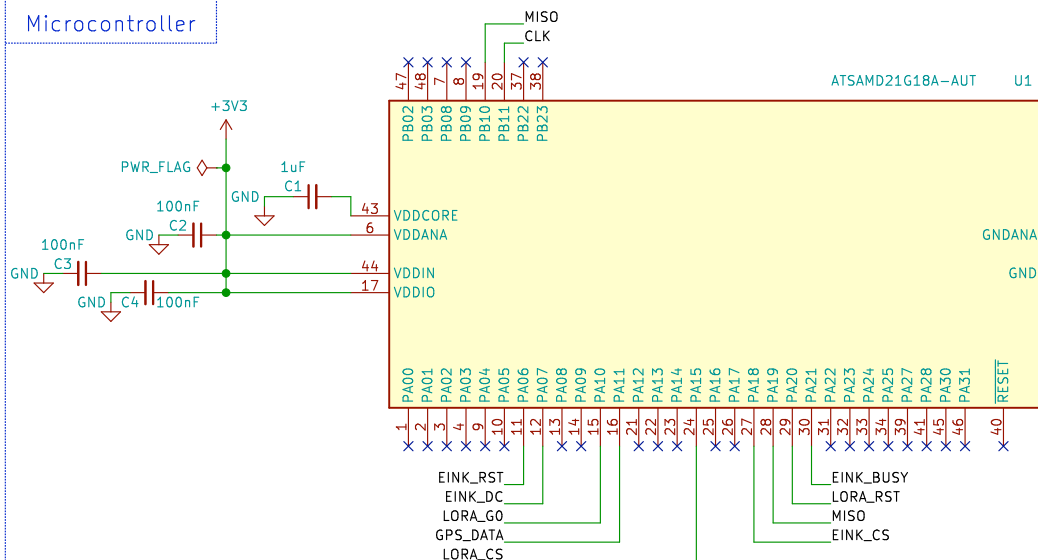


## Microcontroller



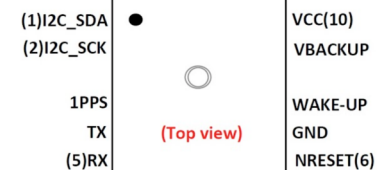
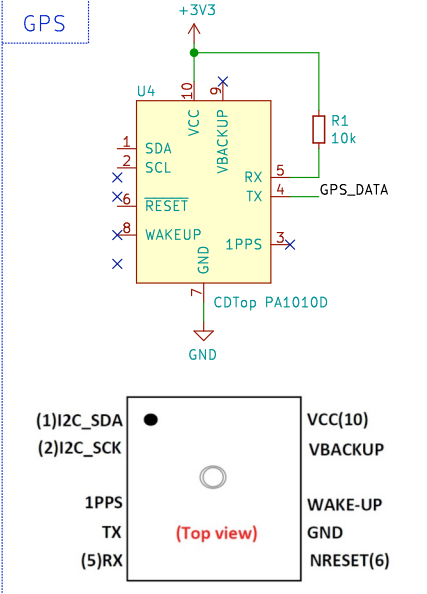
## Arduino Zero pins | SAMD21G pins

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. MOSI - ICSP\_MOSI - PB10
10. CLK - ICSP\_SCK - PB11
11. MISO - ICSP\_MISO - PA19

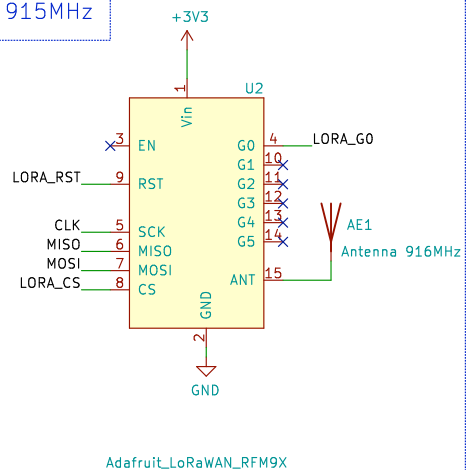
TODO:

- reset pin
- TX/RX LED
- USB\_D+ / USB\_D-
- SWD pins

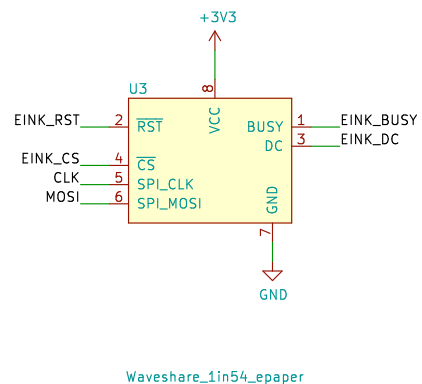
## GPS



## LoRa 915MHz



## E-Ink



Authored by: Sayanee Basu  
Project website: <https://hutscape.com/oak>

Measure outdoor distance between 2 keychain holders

**Hutscape**

Sheet: /  
File: Oak.sch

**Title: Oak**

Size: A4 Date: 2020-10-20

KiCad E.D.A. kicad (5.1.6-0-10\_14)

**Rev: V1.0**

Id: 1/1