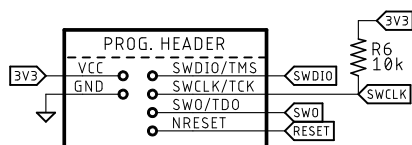
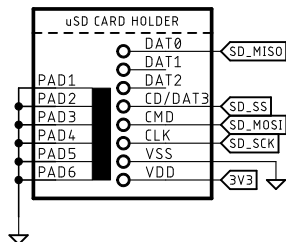
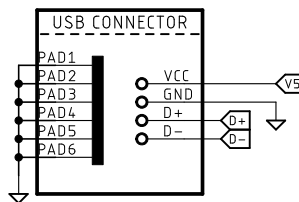
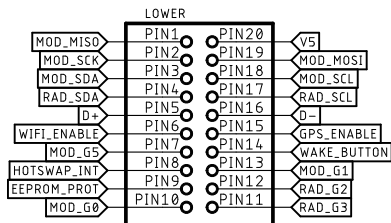
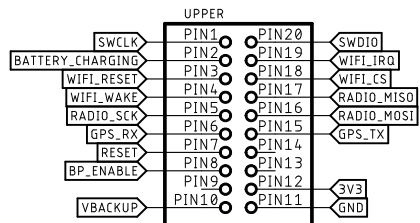
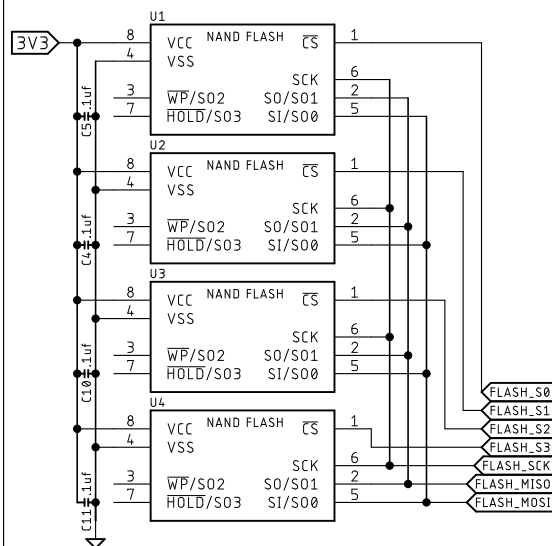


CONNECTORS

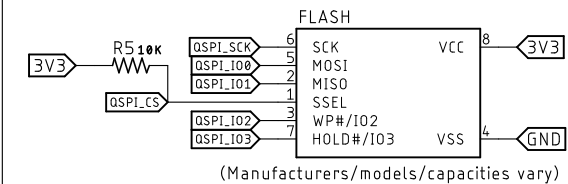


Data Memory

1-4 WSON8 NAND Flash Modules
(Manufacturers/models/capacities vary)

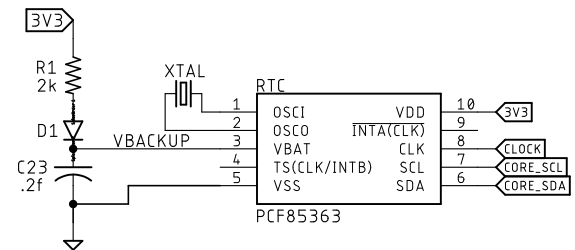


Firmware Memory



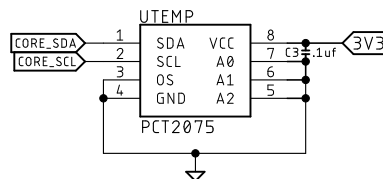
Real-Time Clock

CLOCK output also drives primary clock of the ATSAM51.
VBACKUP Provided by supercap C23
Inrush/Charging Current limited by R1
D1 prevents backfeed when power is not present.



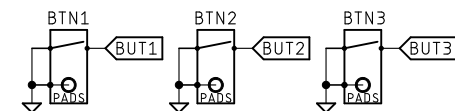
Temperature Sensor

Temperature inside the FieldKit enclosure is logged mostly to predict battery health in the cold.



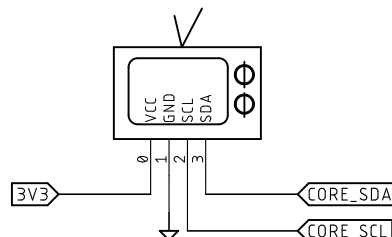
User Buttons

Buttons under the screen for navigating the user interface. biased by internal pull-ups on the ATSAM51.



OLED Display

Generic 1.3" i2C OLED Module.
Don't watch too much, you'll rot your brain.



⊗ ⊗ ⊗ ⊗ ⊗ ⊗

Designed by Bradley Gawthrop for FieldKit

PERIPHERALS

TITLE: fieldkit-upper

Document Number:

REV:

Date: 2/13/21 1:00 PM

Sheet: 2/2