
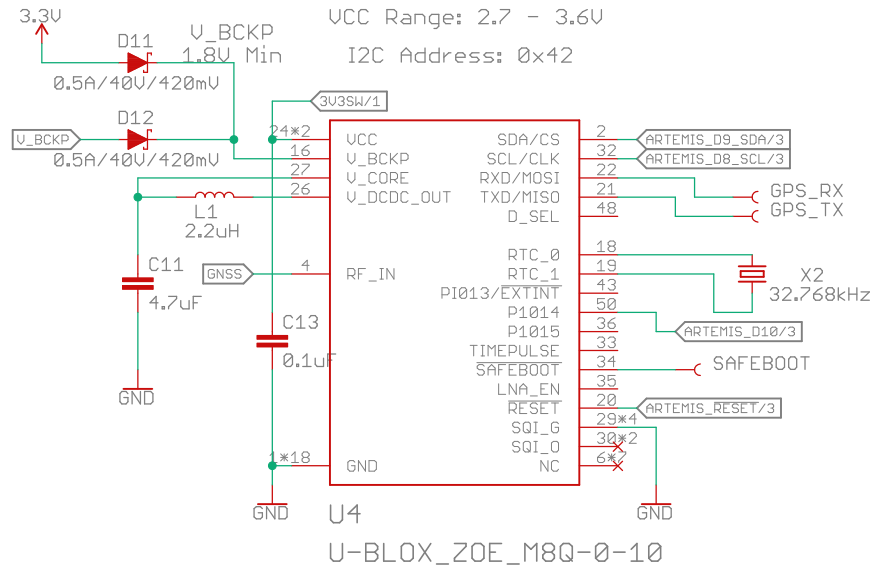


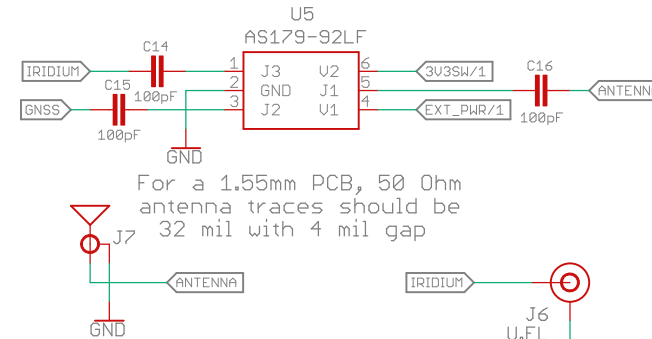
Released under the Creative Commons Attribution Share-Alike 4.0 License https://creativecommons.org/licenses/by-sa/4.0/			
TITLE: Artemis_Global_Tracker			
Design by: Paul Clark Based on the SparkFun Artemis and Qwiic ZOE-M8Q			REV: V2
Date: 22/03/2020 10:00		Sheet: 1/4	

uBlox ZOE-M8Q-0-10



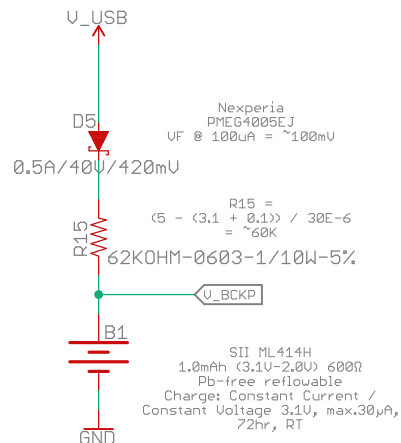
Antenna Switch

** !! Make sure 3V3SW and EXT_PWR are not enabled simultaneously !! **

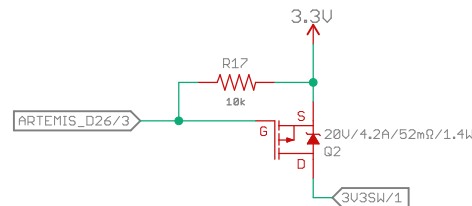


A good choice for the antenna is the Maxtena M1600HCT-P-SMA which is tuned for Iridium, GPS and GLONASS

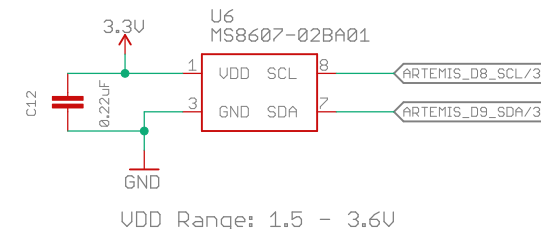
Back-Up Battery



GPS Power Switch



Pressure, Humidity & Temperature Sensor



I2C Addresses:
Pressure & Temperature: 0x76
Relative Humidity: 0x40

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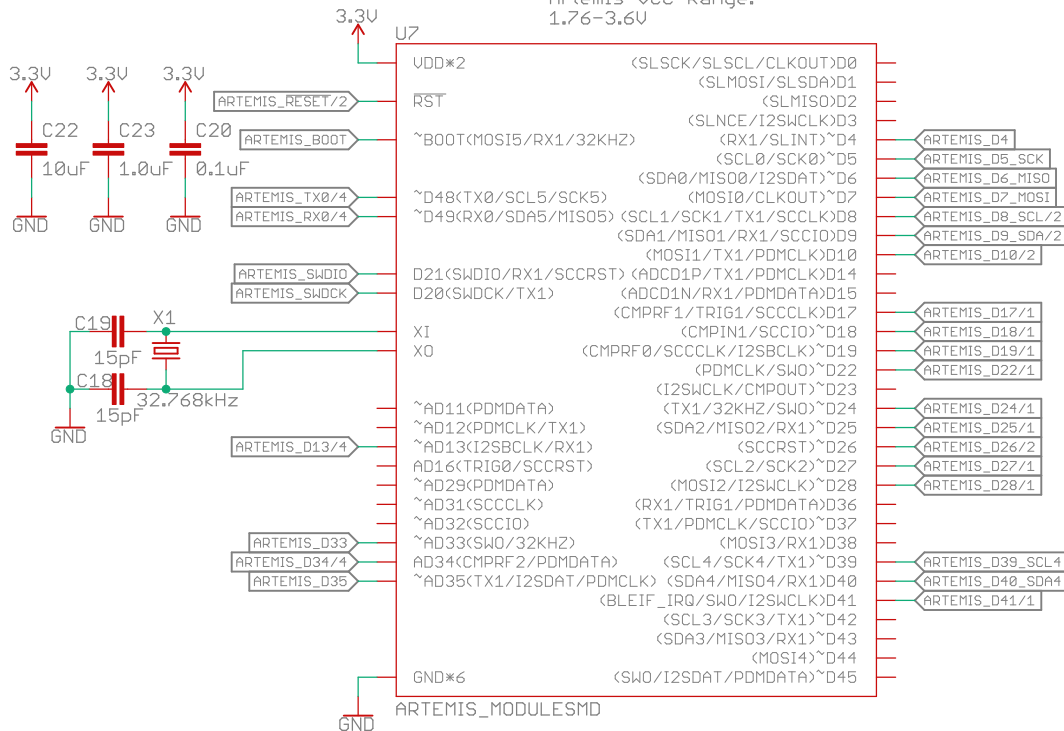
REV:
U2

Date: 22/03/2020 10:00

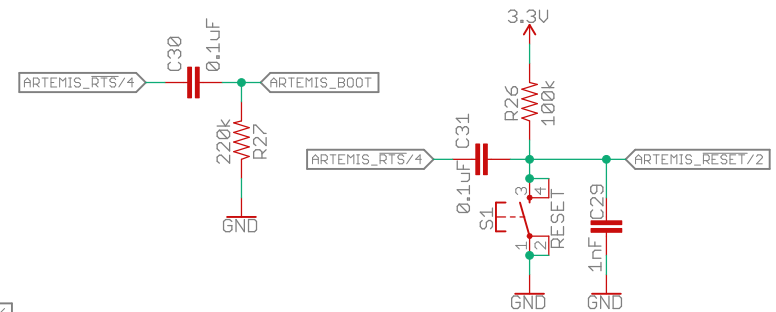
Sheet: 2/4

Artemis (Apollo3)

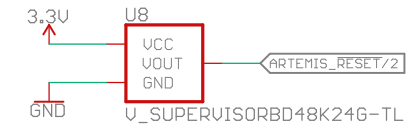
Artemis VCC Range:
1.76-3.6V



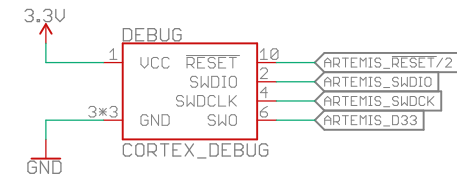
Bootloader Reset Circuit



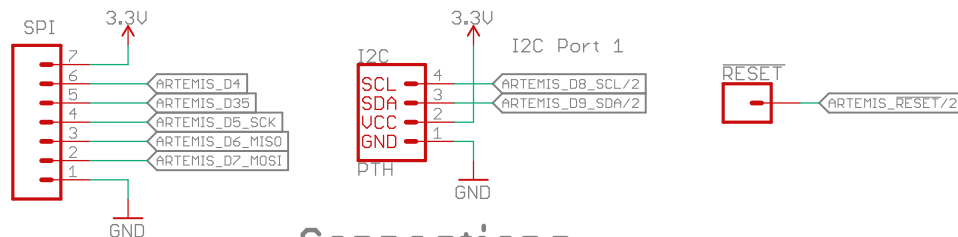
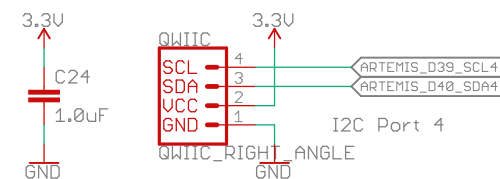
2.4V Reset Supervisor (Ensures a clean start on solar power)



SWD Program/Debug Interface



I2C/Qwiic



Connections

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TITLE: Artemis_Global_Tracker

Design by: Paul Clark
Based on the SparkFun Artemis
and Qwiic ZOE-M8Q

REV:
V2

Date: 22/03/2020 10:00

Sheet: 3/4

[illegible][illegible]

Charge rate set to 500mA

REV:
V2

Sheet: 4/4