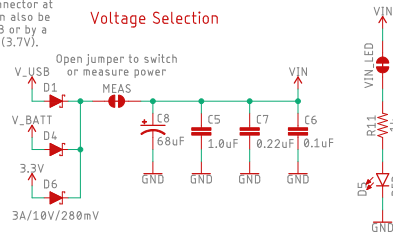
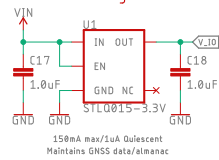


Power is provided primarily by the Qwiic connector at 3.3V. Power can also be supplied by USB or by a LiPo Battery (3.7V).

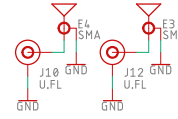
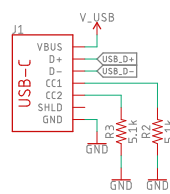
### Voltage Selection



### VIO Regulator

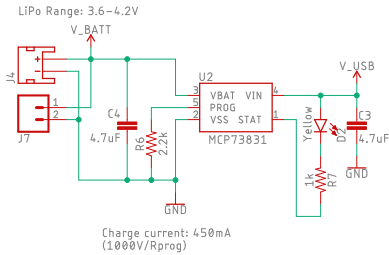


### USB

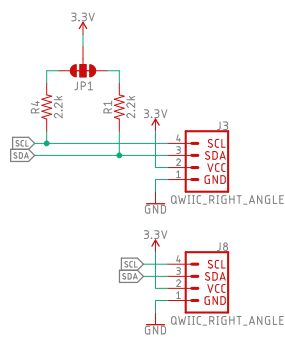


Microstrip Calculation:  
Copper Thickness (1oz): 1.4mil/0.035mm  
Board thickness: 1.6mm  
Dielectric thickness: 1.53mm  
Eri 4.5  
Polygon Isolation: 4mil/0.1016mm  
RF Trace Width: 29.1mil/0.74mm  
<https://tamefp.com/calculators/impedance-impedance-usb-ground-calculator.htm>

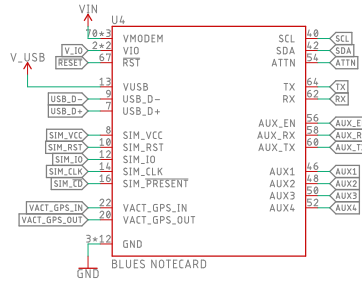
### LiPo Charger



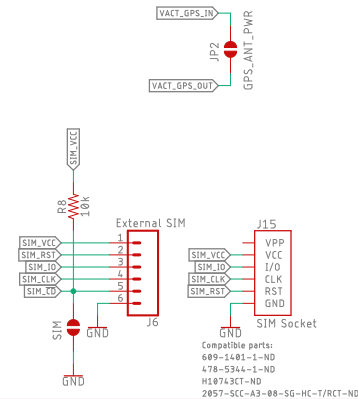
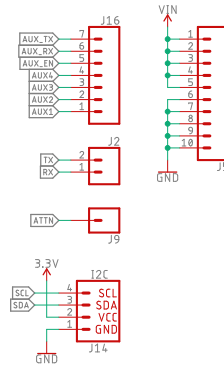
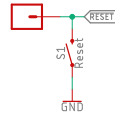
### Qwiic



### Peripheral and Pin Connections



H5  
STAND-OFF



Qwiic



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TITLE: Qwiic-Cellular-Notepad

Design by: N. Seidle

REV:  
x02

Date: 6/14/2021 3:58 PM

Sheet: 1/1