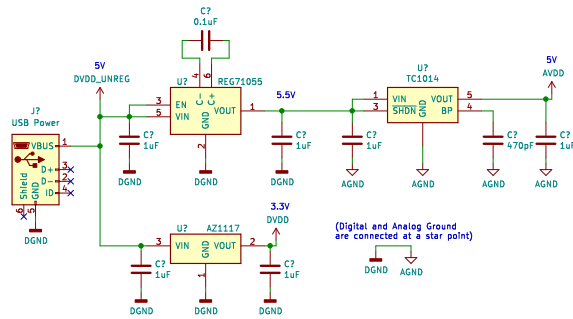
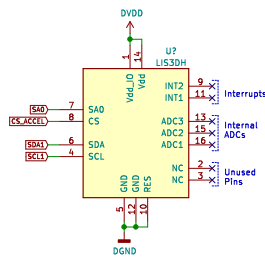


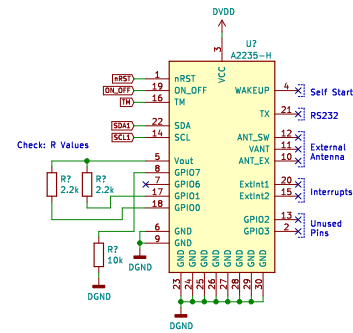
## Digital & Analog Power Supply



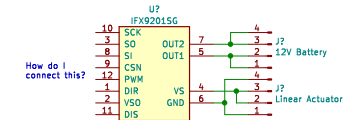
## Three Axis Accelerometer



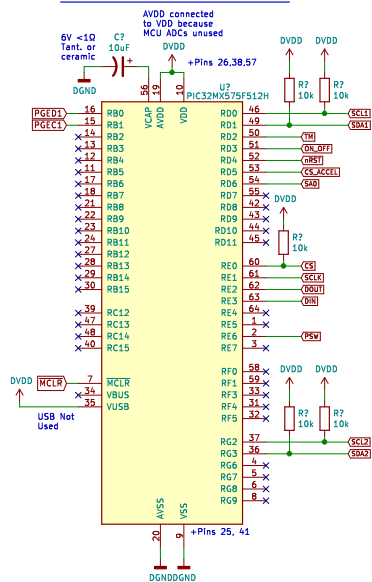
## GPS Antenna and Receiver



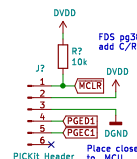
## Linear Actuator Interface w/ DC Motor Driver



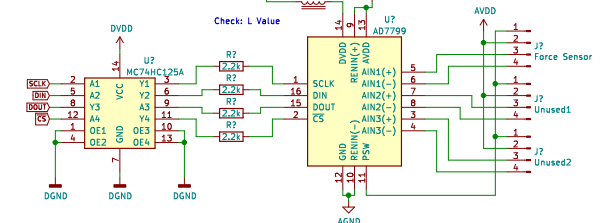
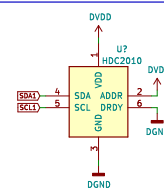
## PIC32MX Microcontroller



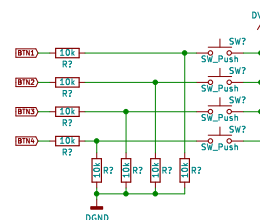
## PICKit Programming Header



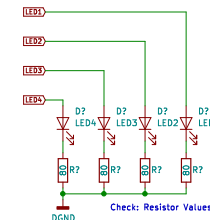
## Temperature & Humidity Sensor



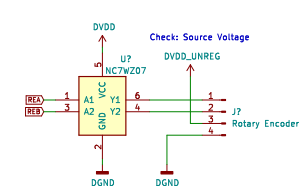
## Debugging Push Buttons



## Debugging LEDs



## Rotary Encoder Interface w/ Buffer



(This area will contain the RaspberryPI SO-DIMM and Peripherals in later revisions of this board)

- To Do List:
- Coin battery for GPS
  - LEDs on board
  - External Oscillator
  - Complete power on ADC
  - Redo Microcontroller Pinout
  - Change GPS 2.2k resistors?

Designer 2: Ryan Donahue  
Designer 1: Kennedy Caisley  
University of Idaho

Sheet:  
Files: crop\_top\_rev1.sch

Title: Crop Top Peripheral Board

Size: User Date: 2018-10-03

KiCad E.D.A. KiCad (5.0.0)

Rev: Revision 1  
Id: 1/1