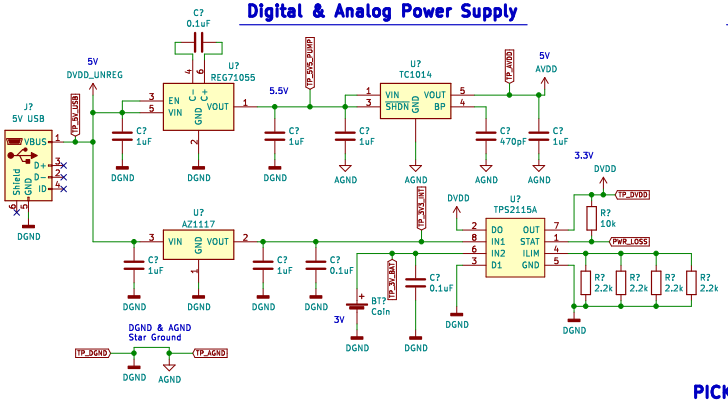
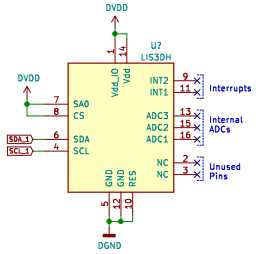
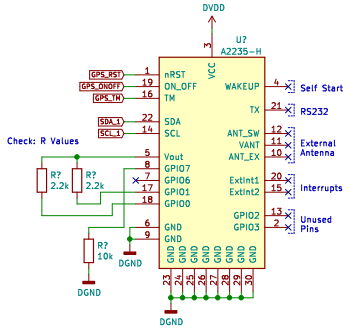
Digital & Analog Power Supply



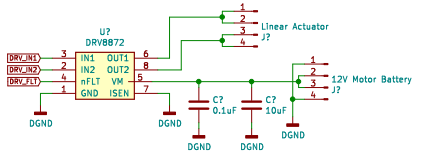
Three Axis Accelerometer



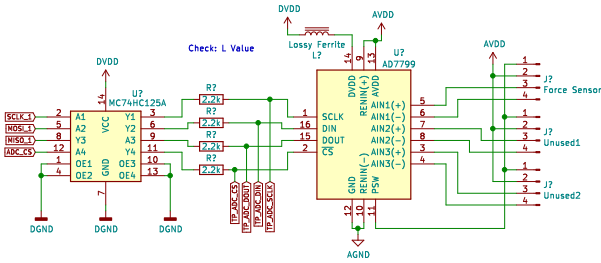
GPS Antenna and Reciever



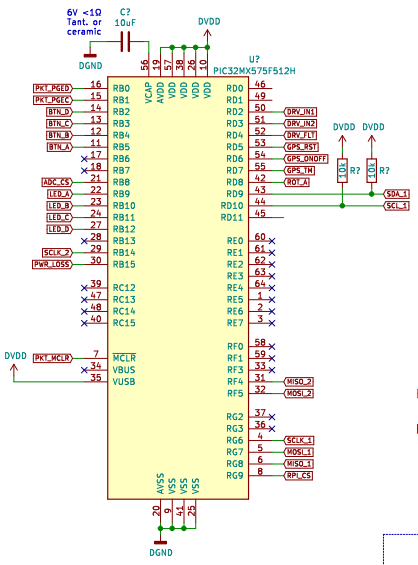
Linear Actuator Interface w/ DC Motor Driver



Force Sensor Interface w/ ADC and Buffer

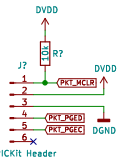


PIC32MX Microcontroller

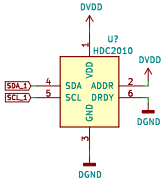


RaspberryPI SPI Header

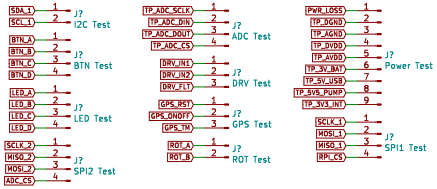
PICKit Programming Header



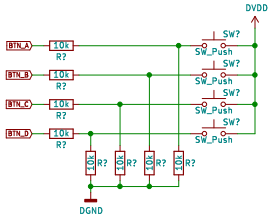
Temperature & Humidity Sensor



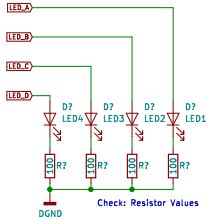
Test Point Headers



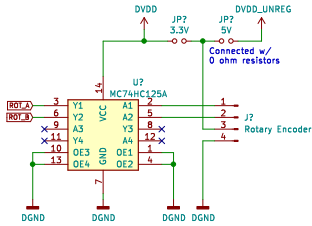
Debugging Push Buttons



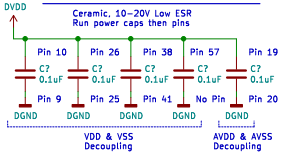
Debugging LEDs



Rotary Encoder Interface w/ Buffer



Microcontroller Decoupling Capacitors



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

Designer 2: Ryan Donahue
Designer 1: Kennedy Caisley
University of Idaho
Sheet: /
File: croptop_rev1.sch

Title: Crop Top Peripheral Board

Size: User	Date: 2018-10-03	**Rev: Revision 1**
KiCad E.D.A. kicad (5.0.0)		Id: 1/1