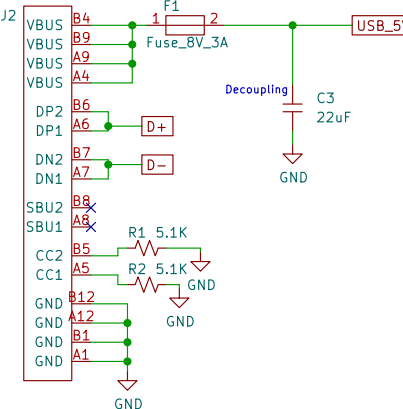
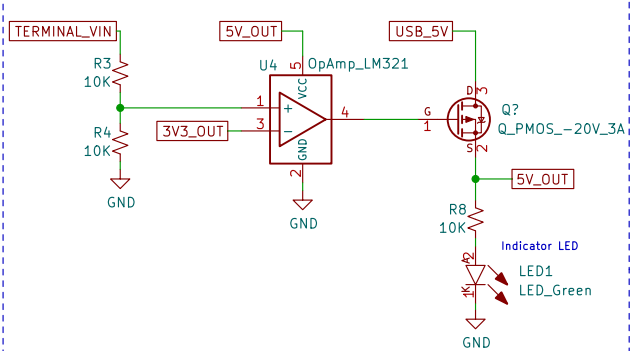


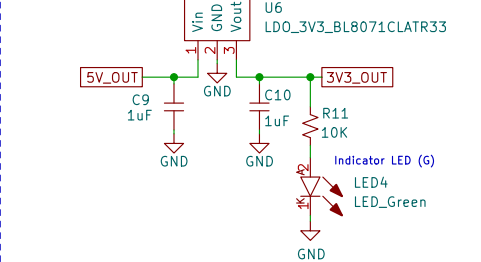
USB C Input – Power+Data



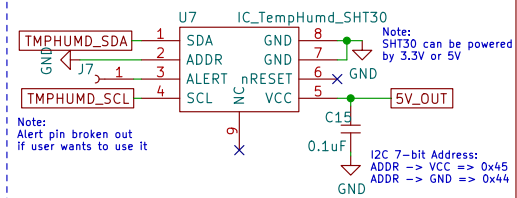
Automatic Power Selection (VIN OR USB)



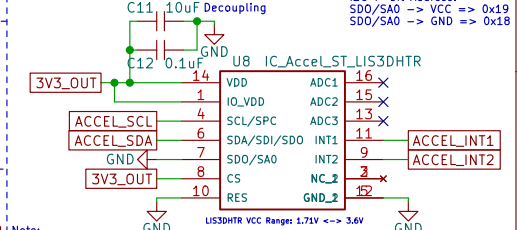
3V3 LDO (1.5A max / 500mV dropout / 6V Vin max)



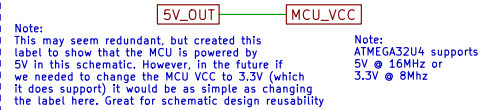
Temperature/Humidity Sensor



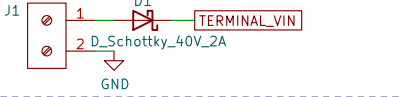
Accelerometer



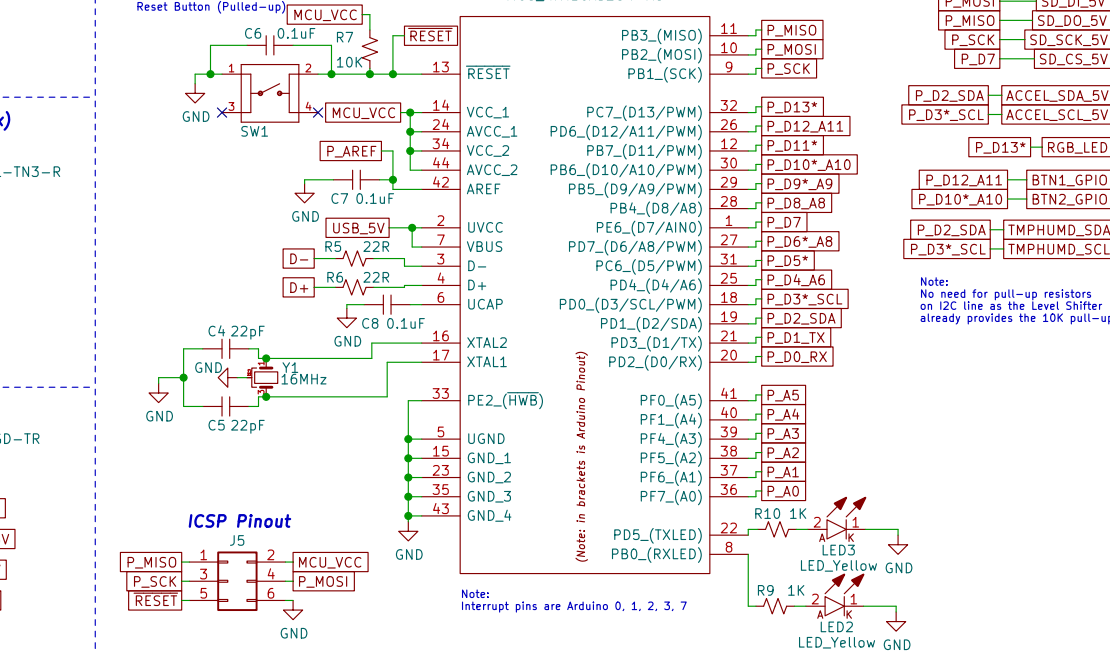
MCU VCC Selection



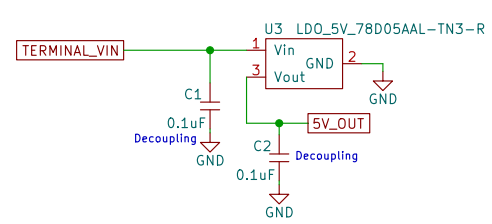
Screw Terminal Power Input



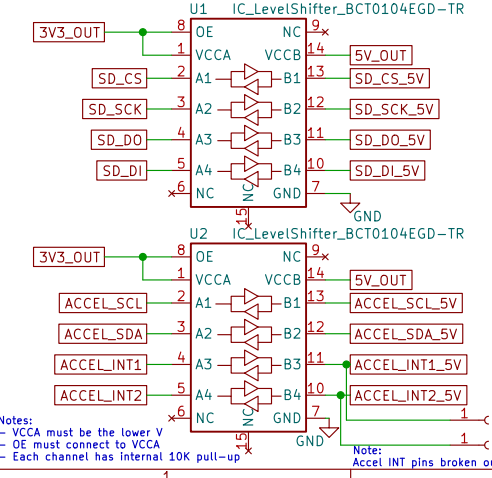
MCU – ATMEGA32U4–AU



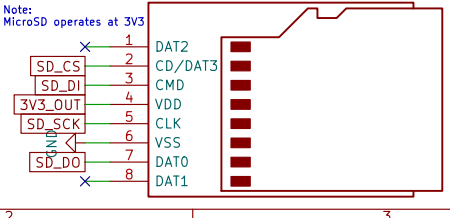
5V LDO (1.5A max / 2V dropout / 35V Vin max)



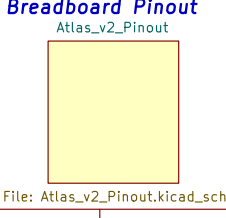
Logic Level Shifters



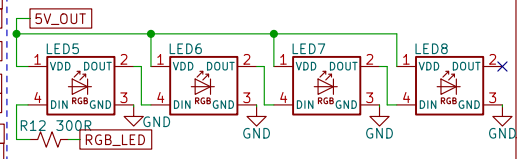
MicroSD Slot



Schematic Breadboard Pinout



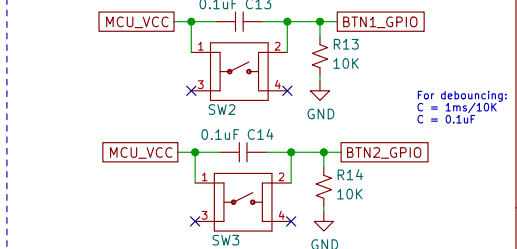
RGB LEDs



Mounting Screws (no connections – just for reference)

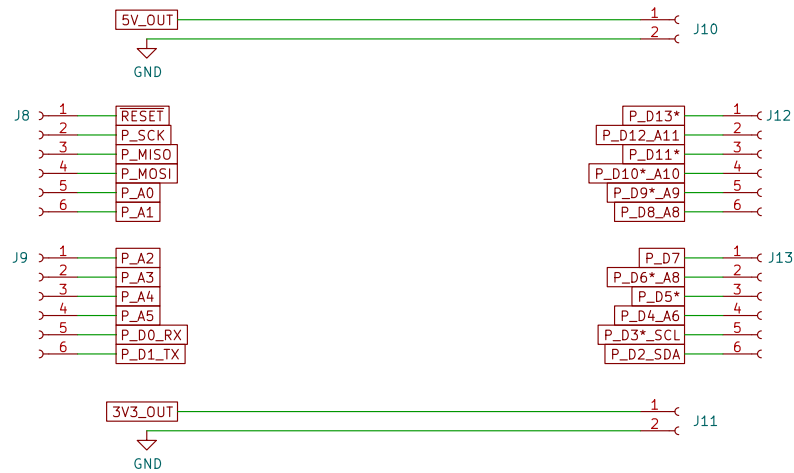


Additional Buttons



Notes:
 - VCCA must be the lower V
 - OE must connect to VCCA
 - Each channel has internal 10K pull-up

Breadboard Pins
Follows the layout to a certian extent



Khalid AlAwadhi
Remal IoT

Sheet: /Atlas_v2_Pinout/
File: Atlas_v2_Pinout.kicad_sch

Title: Atlas Breadboard Pinout

Size: A4 Date: 2022-07-15
KiCad E.D.A. kicad (6.0.6)

Rev: v2
Id: 2/2