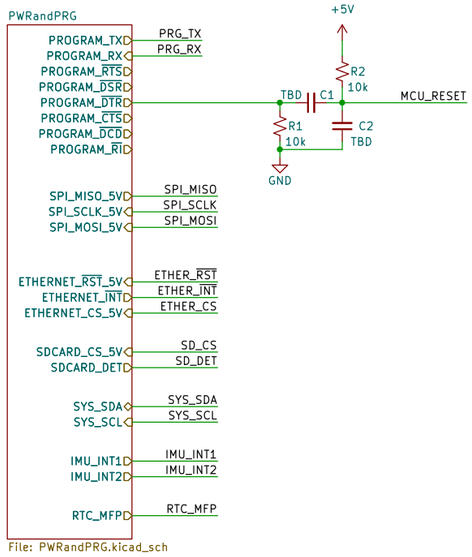
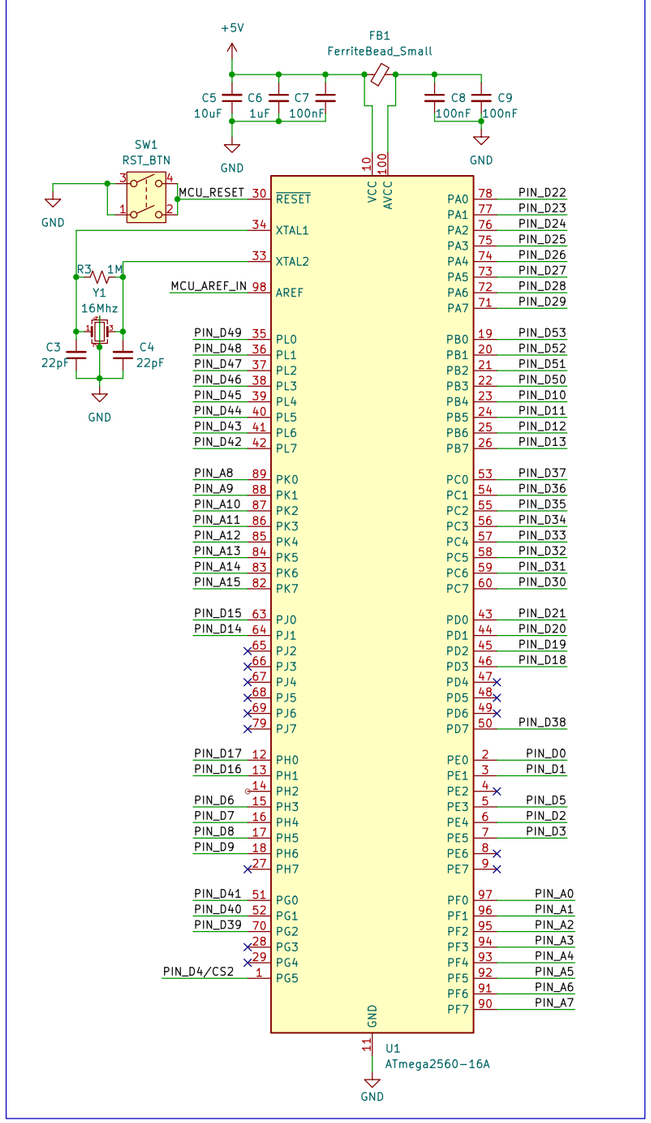
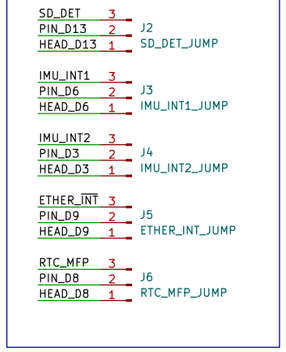
Peripherals



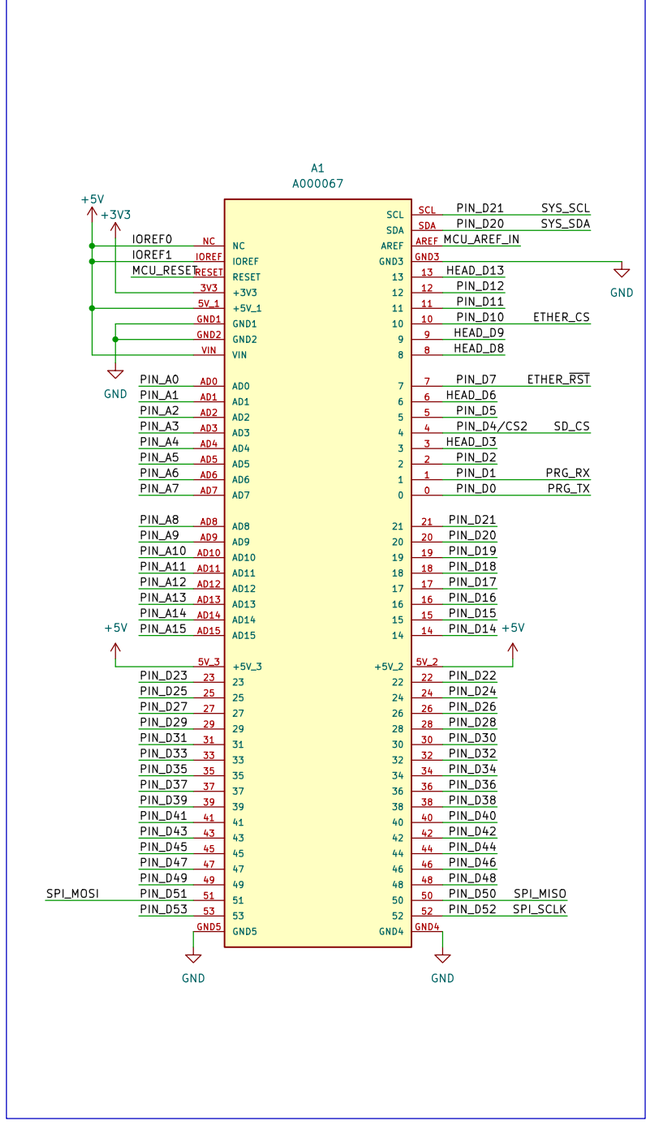
Arduino Mega Compatible Microcontroller



Re-routable IO



Arduino Mega Compatible Headers



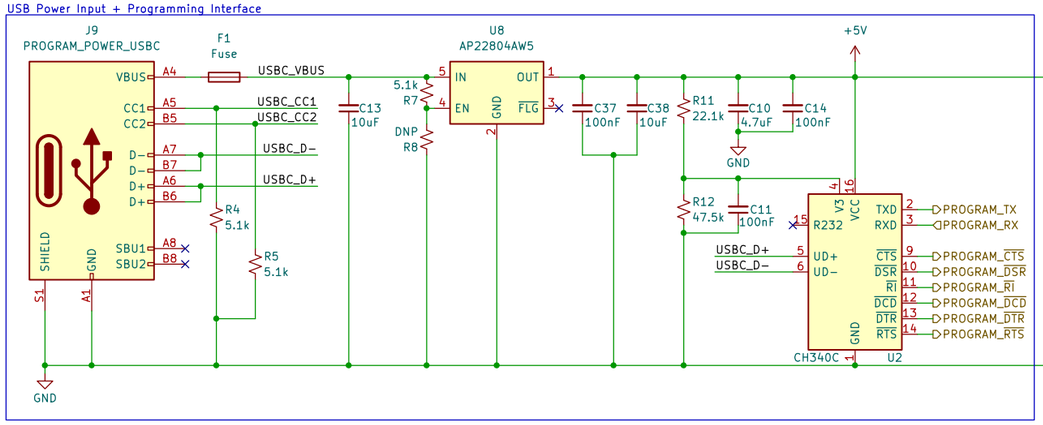
Design by: Daniel J Manla

Sheet: /
File: ArduinoMega_Ethernet.kicad_sch

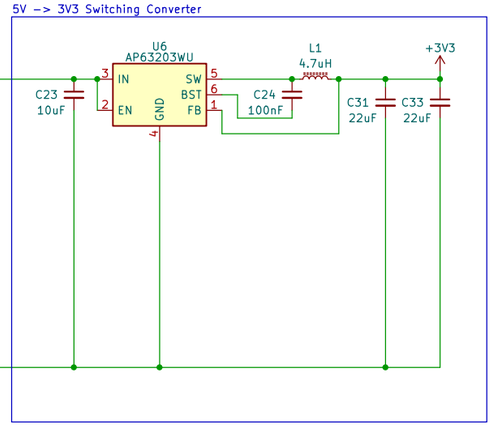
Title: Ardunio Mega with Ethernet

Size: A3	Date: 2022-02-19	**Rev: A0**
KiCad E.D.A. 9.0.2		Id: 1/2

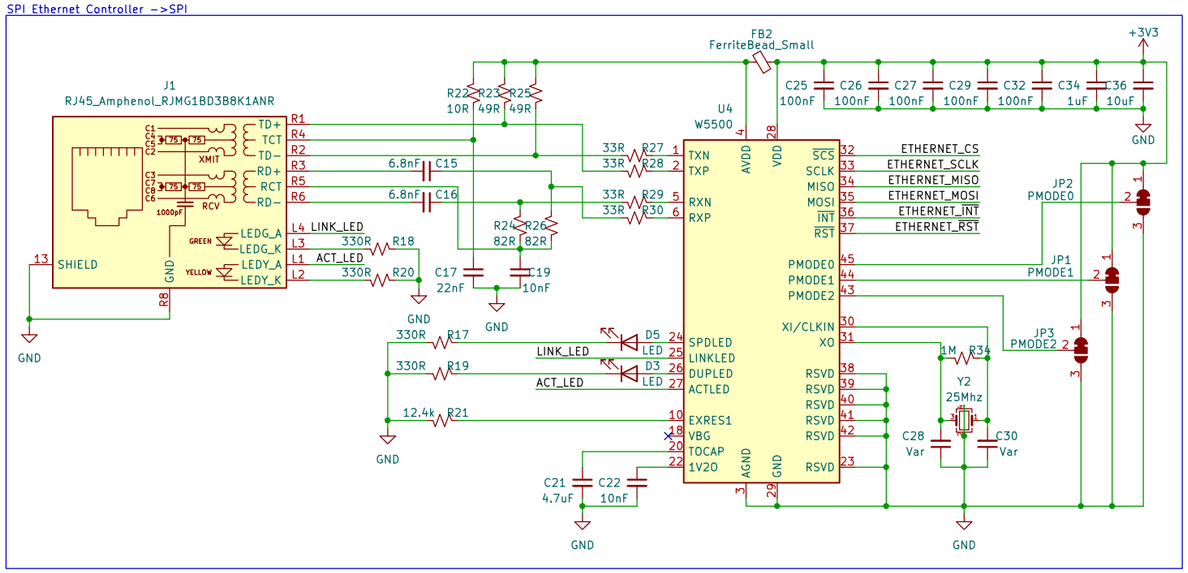
USB Power Input + Programming Interface



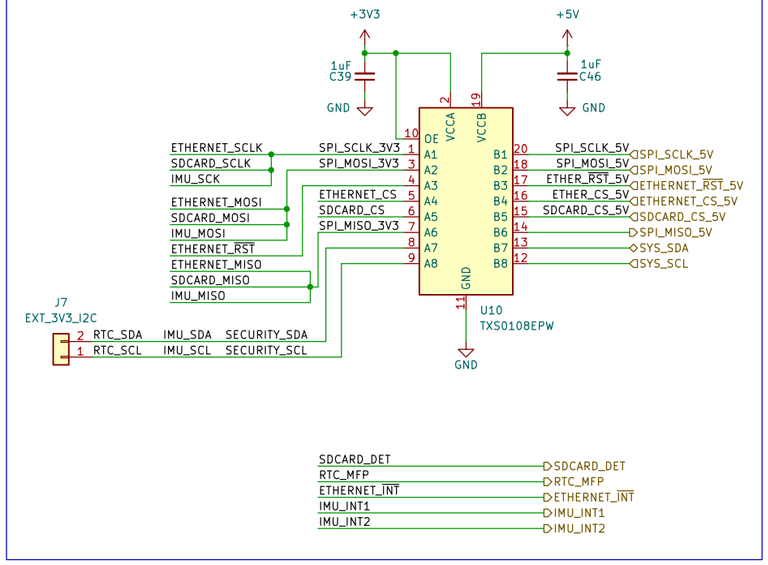
5V −> 3V3 Switching Converter



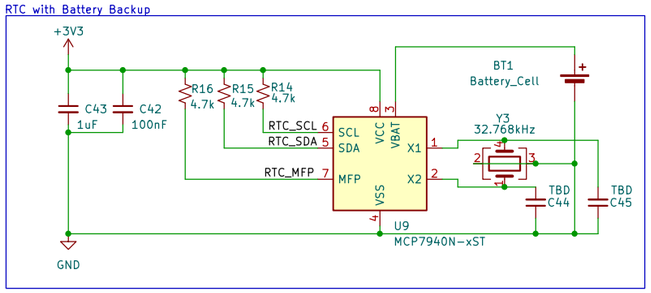
SPI Ethernet Controller −>SPI



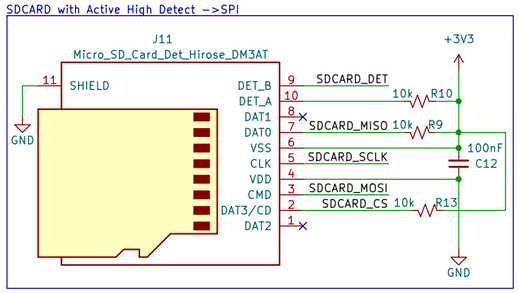
3V3<−>5V IO Shift



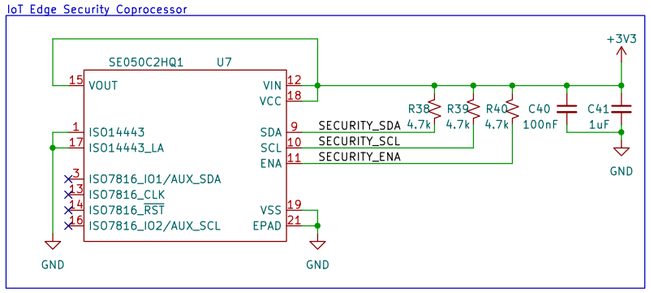
RTC with Battery Backup



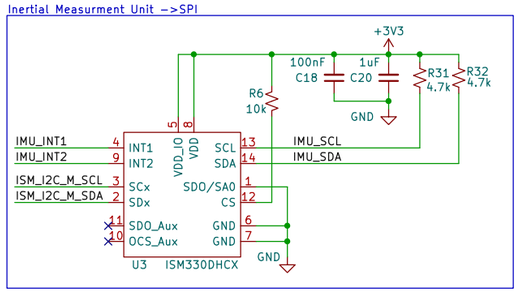
SDCARD with Active High Detect −>SPI



IoT Edge Security Coprocessor



Inertial Measurment Unit −>SPI



Design by: Daniel J Manla

Sheet: /PWRandPRG/
File: PWRandPRG.kicad_sch

Title: Ardunio Mega with Ethernet

Size: A3	Date: 2025−05−18	**Rev: A0**
KiCad E.D.A. 9.0.2		Id: 3/2