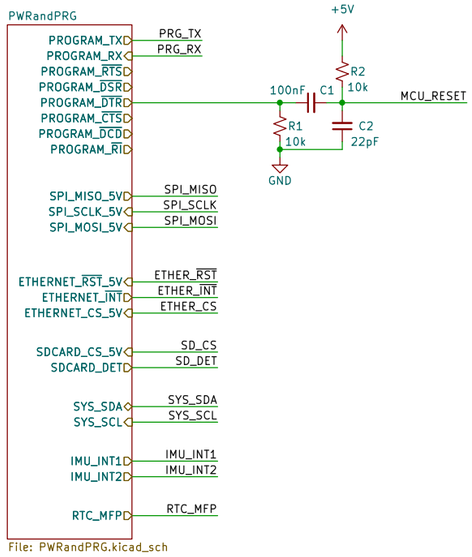
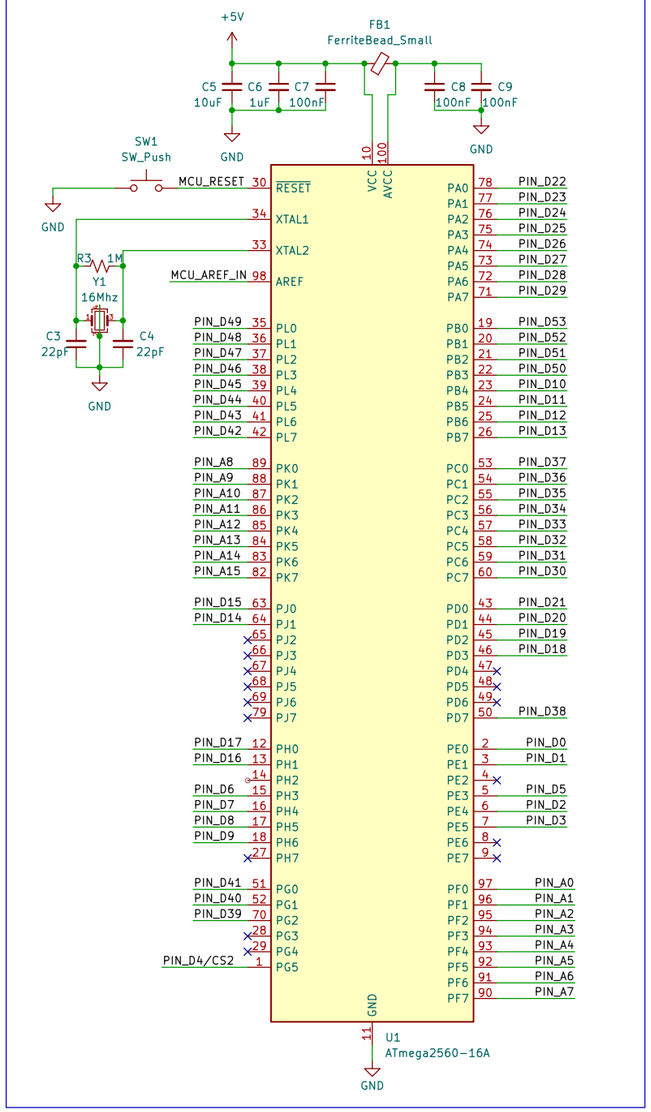
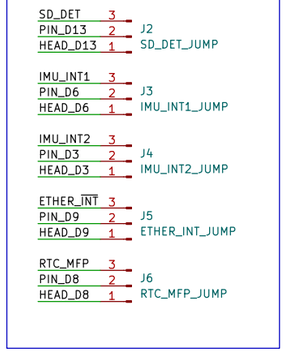
## Peripherals



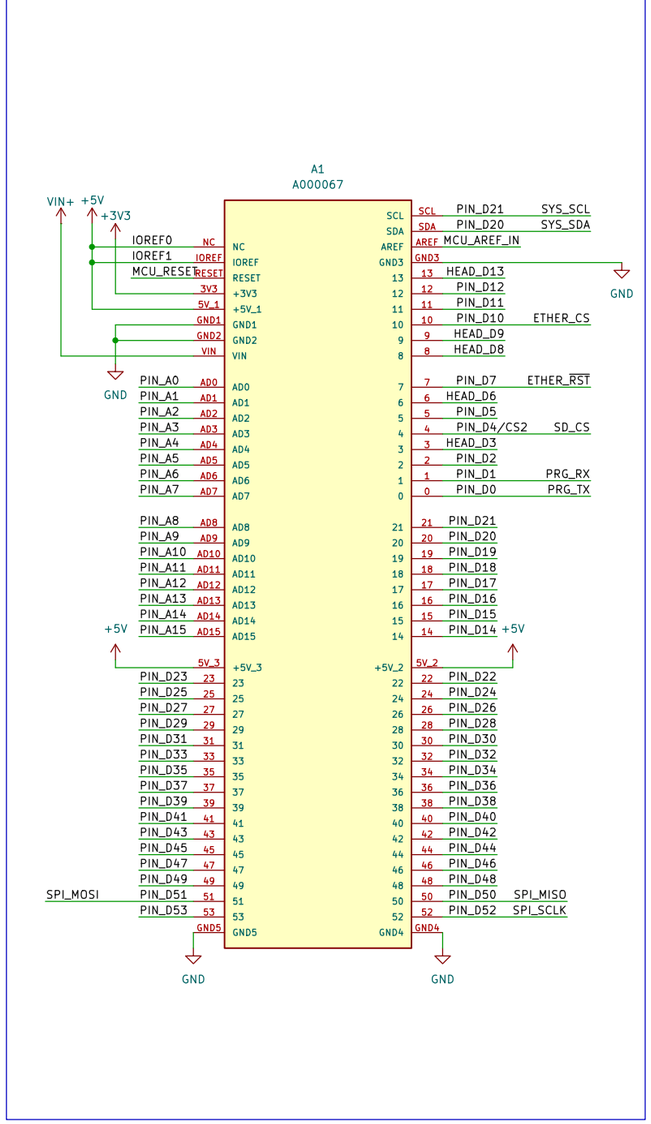

## Arduino Mega Compatible Microcontroller




## Re-routable IO




## Arduino Mega Compatible Headers

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File: ArduinoMega_Ethernet.kicad_sch

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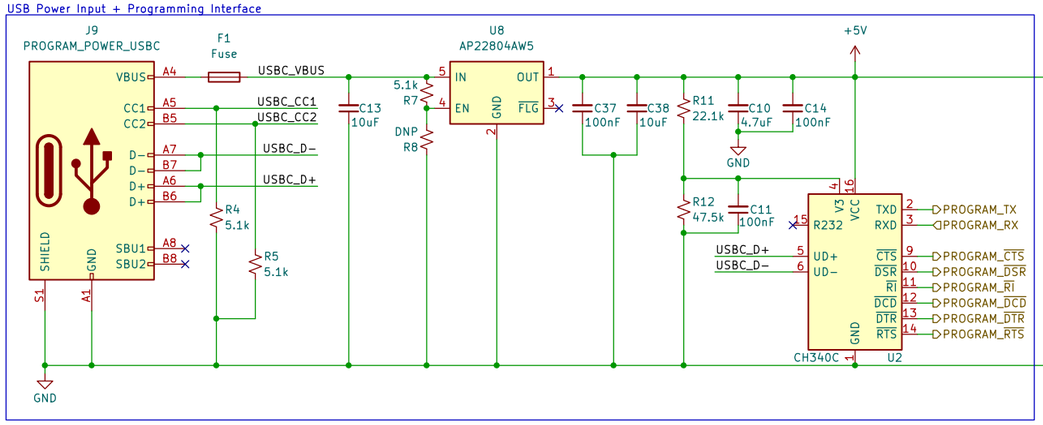
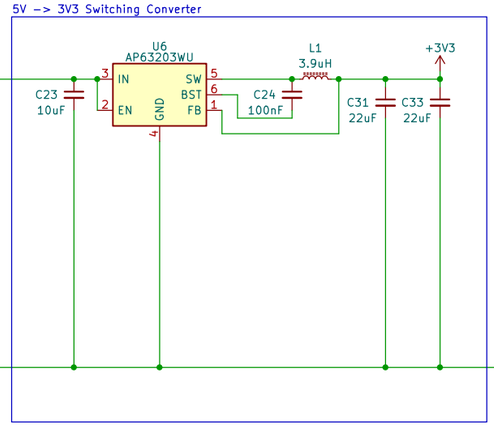
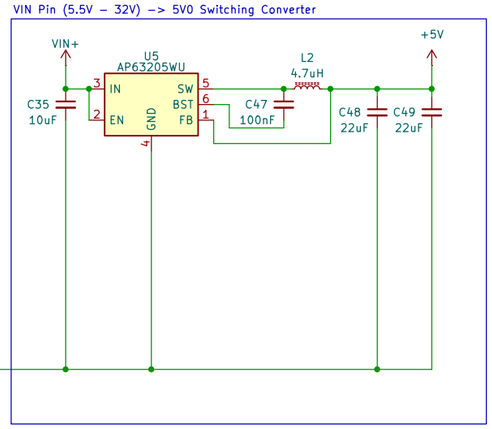
## USB Power Input + Programming Interface



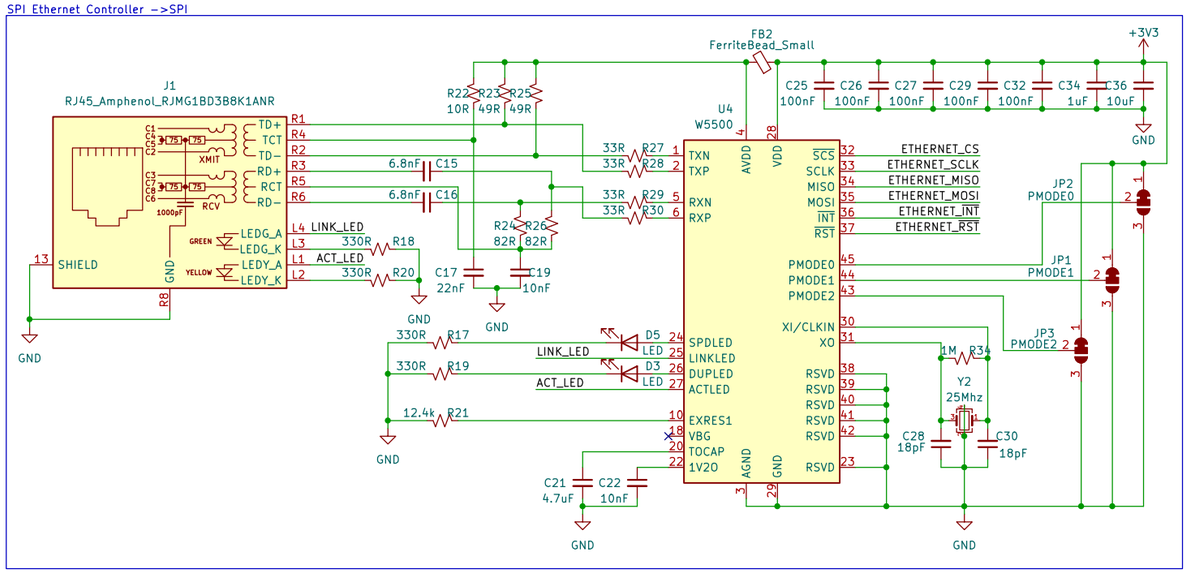

## 5V –> 3V3 Switching Converter



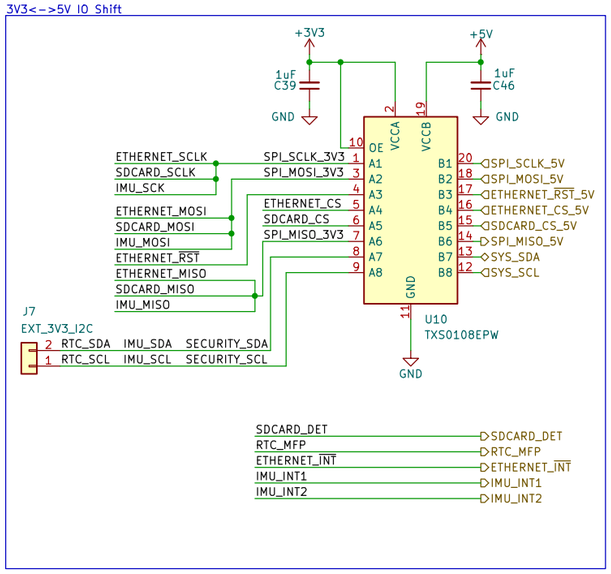

## VIN Pin (5.5V – 32V) –> 5V0 Switching Converter



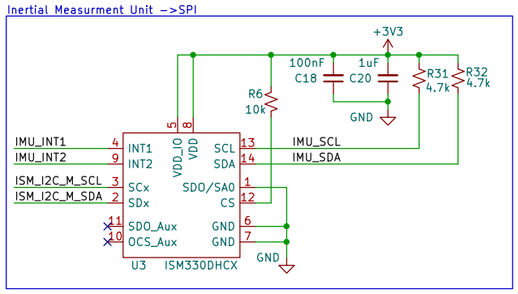

## SPI Ethernet Controller –>SPI



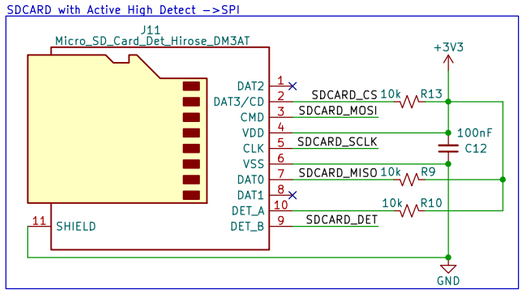

## 3V3<–>5V IO Shift



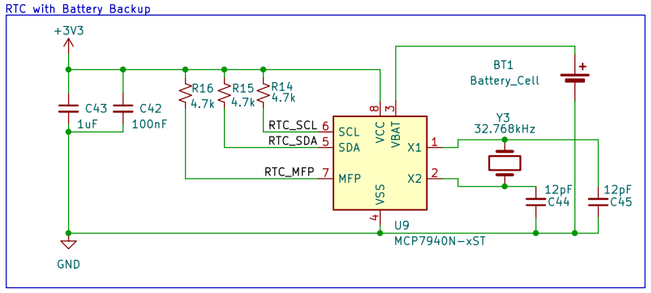

## Inertial Measurment Unit –>SPI



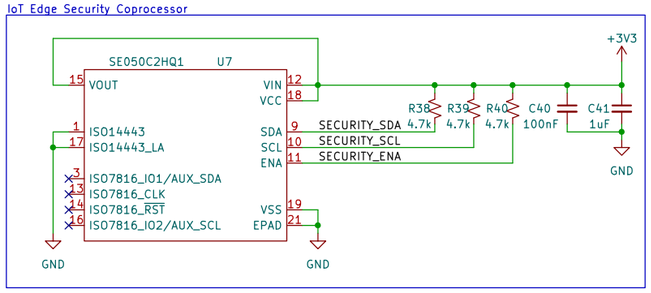

## SDCARD with Active High Detect –>SPI




## RTC with Battery Backup




## IoT Edge Security Coprocessor

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