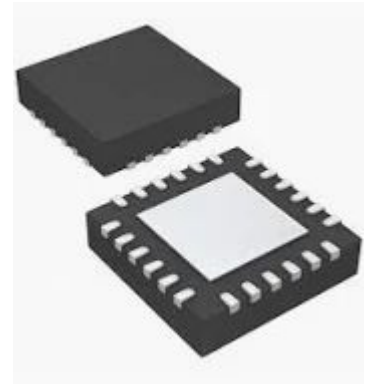# Nano Rev 3.3 + STUSB4500 Power Supply
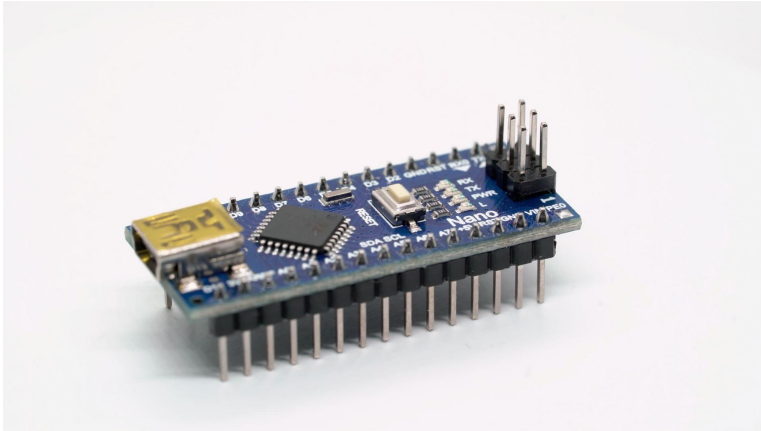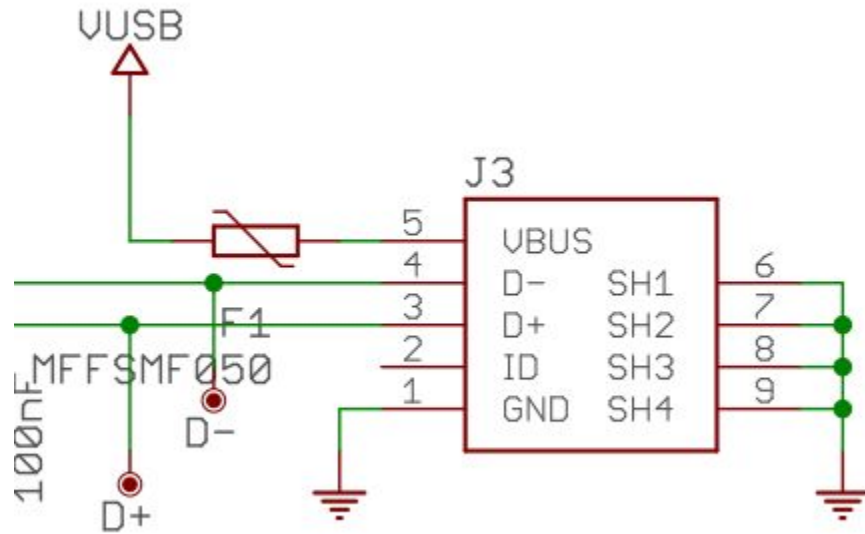
USB Interface
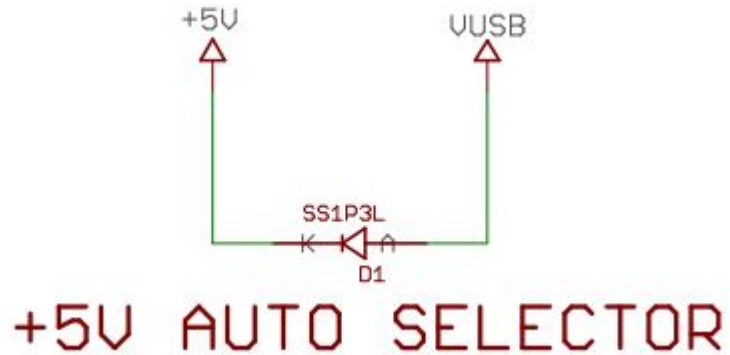

MF-MSMF050 - fuse
➢ Trip Current - 0.5 A

https://www.mouser.com/datasheet/3/40/1/mf_msmf.pdf

VUSB to 5V

SS1P3L - Diode
➢ Reverse Amps - 200 µA
Reverse Peak Voltage - 30 V

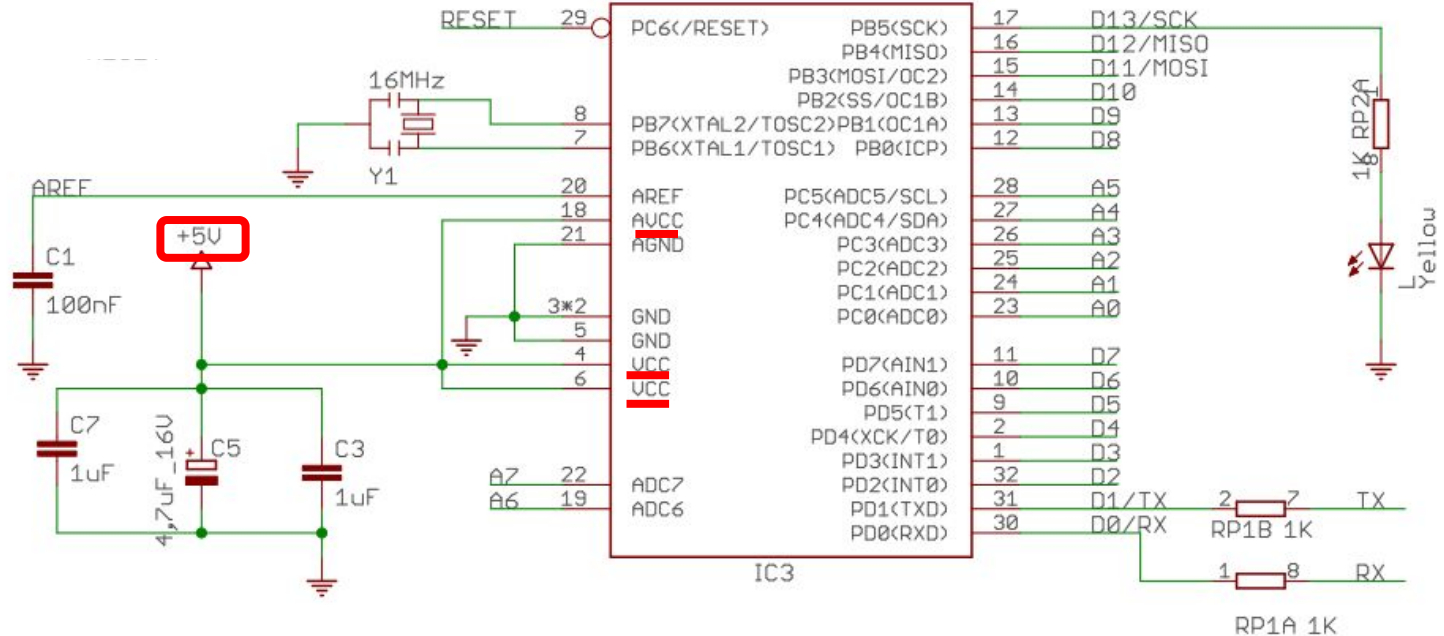

+5V AUTO SELECTOR

VIN to 5V
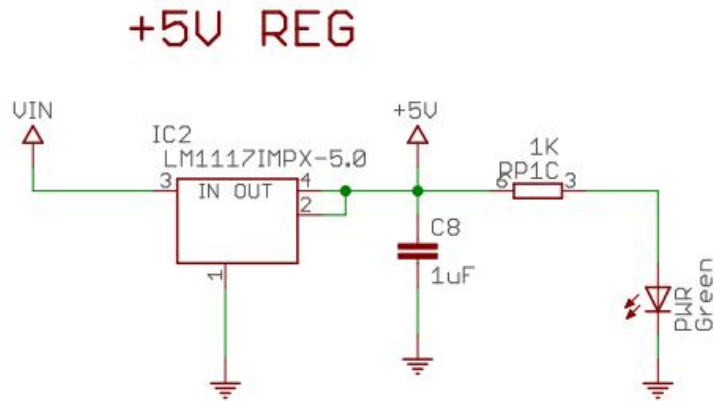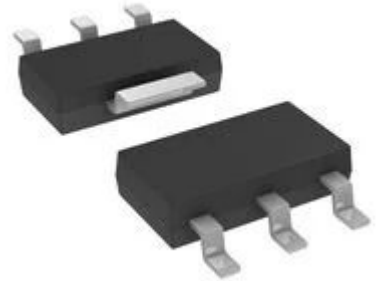
LM1117IMPX-5.0 - Voltage Regulator
➢ Maximum input voltage - 20V
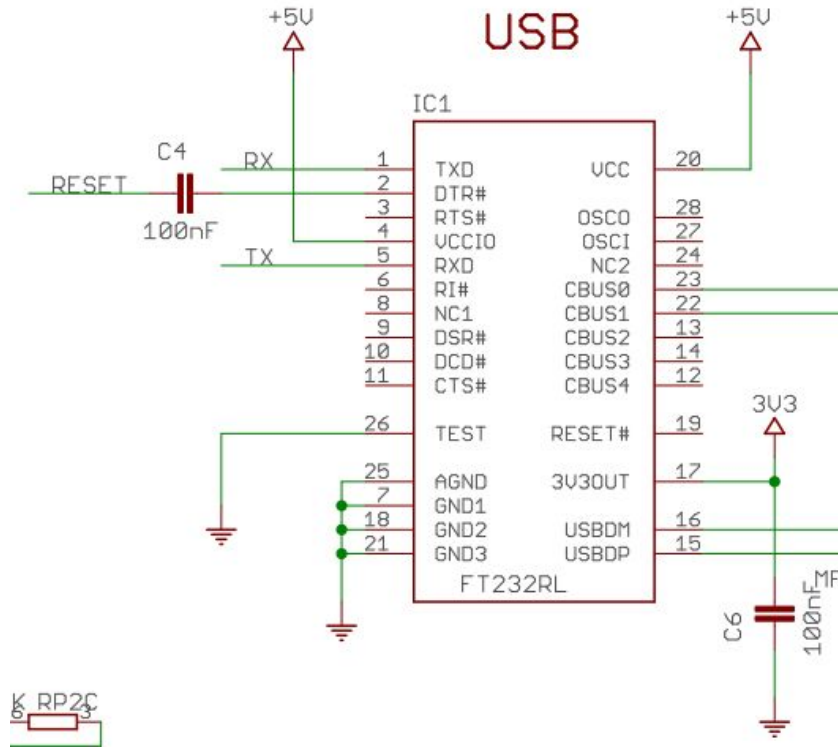Negligible Reverse Voltage

5V to Arduino IC

Atmega328P-MUR - IC
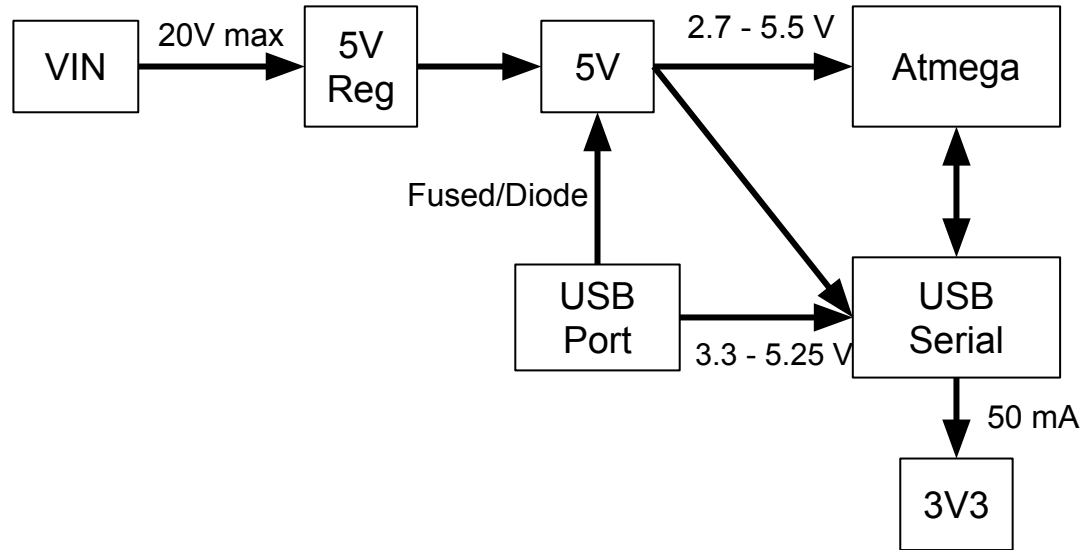   VCC - 2.7 - 5.5 V (for crystal oscillator)

3V3 & FT23RL

FT23RL - USB Communication
➢ Produces Arduino 3V3 - 50 mA
➢ USB Serial
➢ Accepts 3.3 - 5.25 V

https://ftdichip.com/wp-content/uploads/2020/08/DS_FT232R.pdf

Power Movement

Schematic

https://docs.arduino.cc/resources/schematics/A000005-schematics.pdf