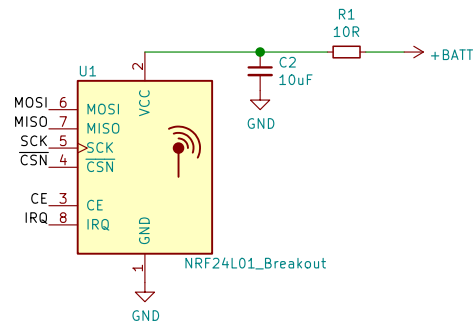
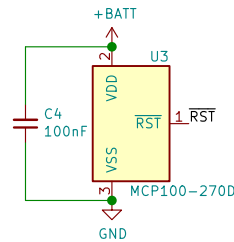


nRF24 Radio



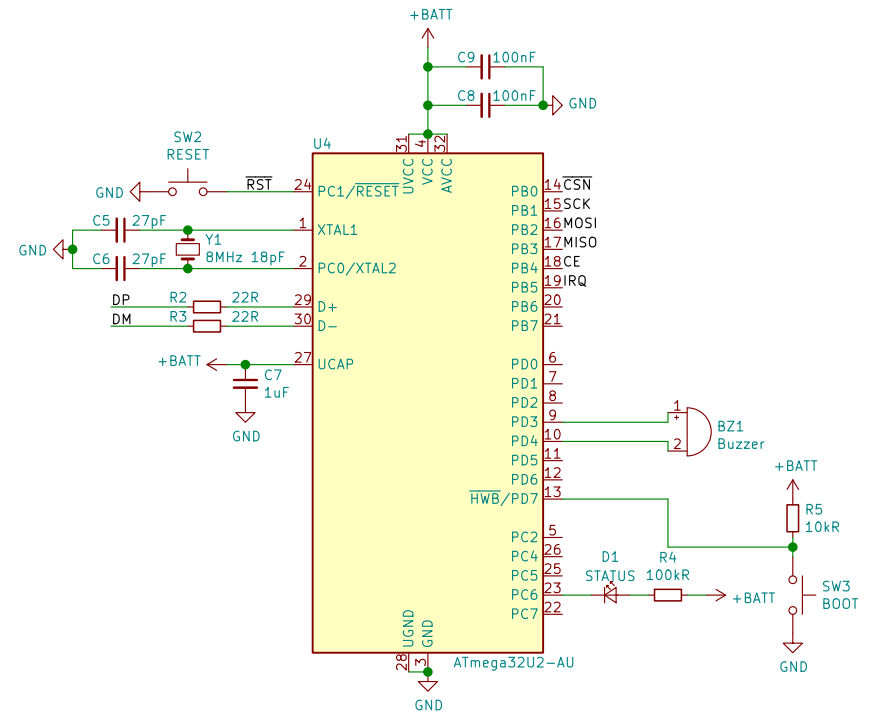
The nRF24L01+ comes in a small SMD package that can be soldered on. It will operate in 250Kbps mode for best range and lowest power.

Reset Supervisor

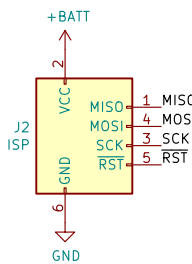


This will hold the MCU in reset if the power drops below 2.7V

ATmega32u2 MCU

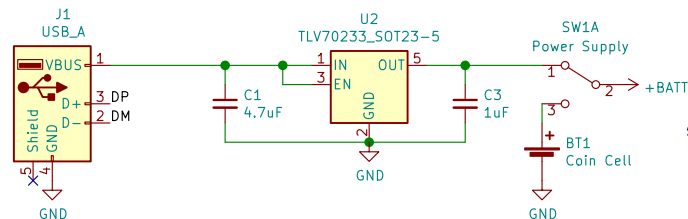


ISP



The fuses for the ATmega32u2 will need to be changed for the brown out detector to disable it.

Power Supply



Implement the USB connector in copper on the PCB. This way the entire device can be plugged straight in.

Allow selection between USB and Battery power. This doubles as a power switch when the USB is not plugged in.

Ben Mitchell

Sheet: /
File: node.sch

Title: Pranker Node

Size: A4
KiCad E.D.A. kicad (6.0.0-rc1-dev-1554-g7bec70716)

Date: 2019-03-14

Rev: 1
Id: 1/1