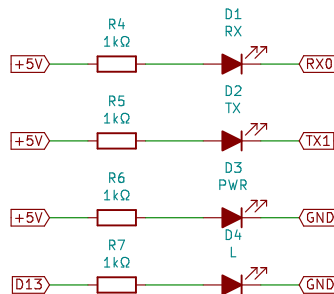
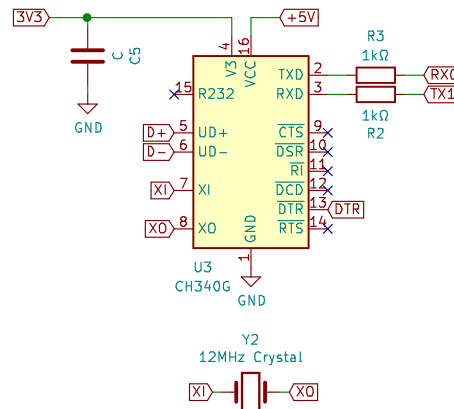


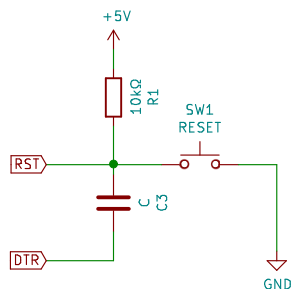
Arduino Nano's Processor



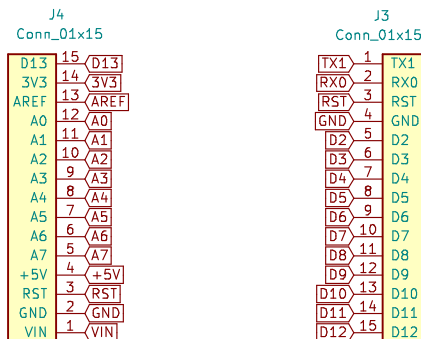
Led Indicators



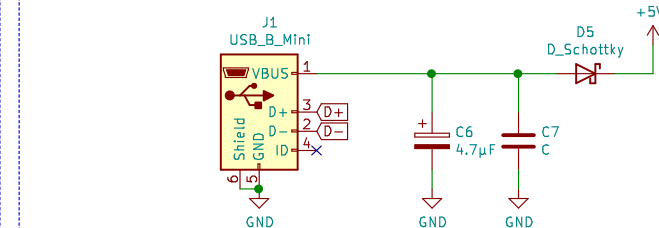
CH340G Serial-USB Converter



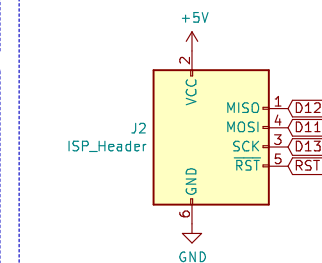
Reset Circuit



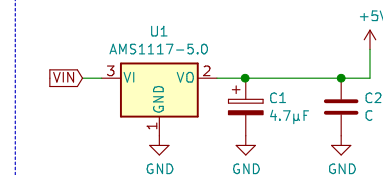
Arduino Main Headers



Mini USB Connector



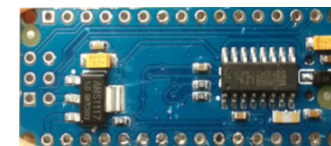
ISP Header



6-20V to 5V Converter



Arduino Nano's Front Side



Arduino Nano's Back Side

Notes:

- The values of the ceramic capacitors C2, C3, C4, C5 and C7 are unknown but I expect to be around 100nF.
- Couldn't discover Y1's frequency value by looking at the component alone although is well known from the Arduino community that it is 16MHz for the 5V Version.
- Y1 and Y2 crystals don't have external load capacitors, but probably have internal ones but those are not referenced here.
- This Arduino Nano's version is the cheap 5V version with CH340.

Igor Kelvin <igorkelvin@gmail.com>
<https://github.com/igorkelvin/kicad-arduino-nano-reveng>

CEFET/RJ

Sheet: /

File: kicad-arduino-nano-reveng.sch

Title: Arduino Nano CH340G Rev. Engineering

Size: A4 Date: 2020-08-01

KiCad E.D.A. kicad 5.1.6

Rev: 0

Id: 1/1