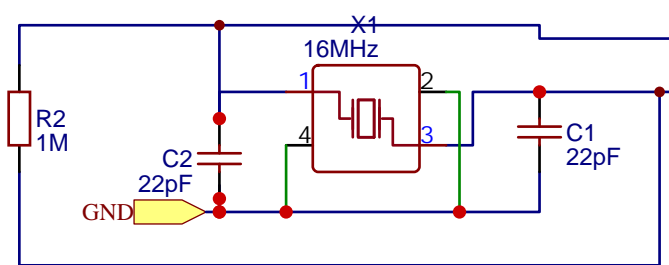
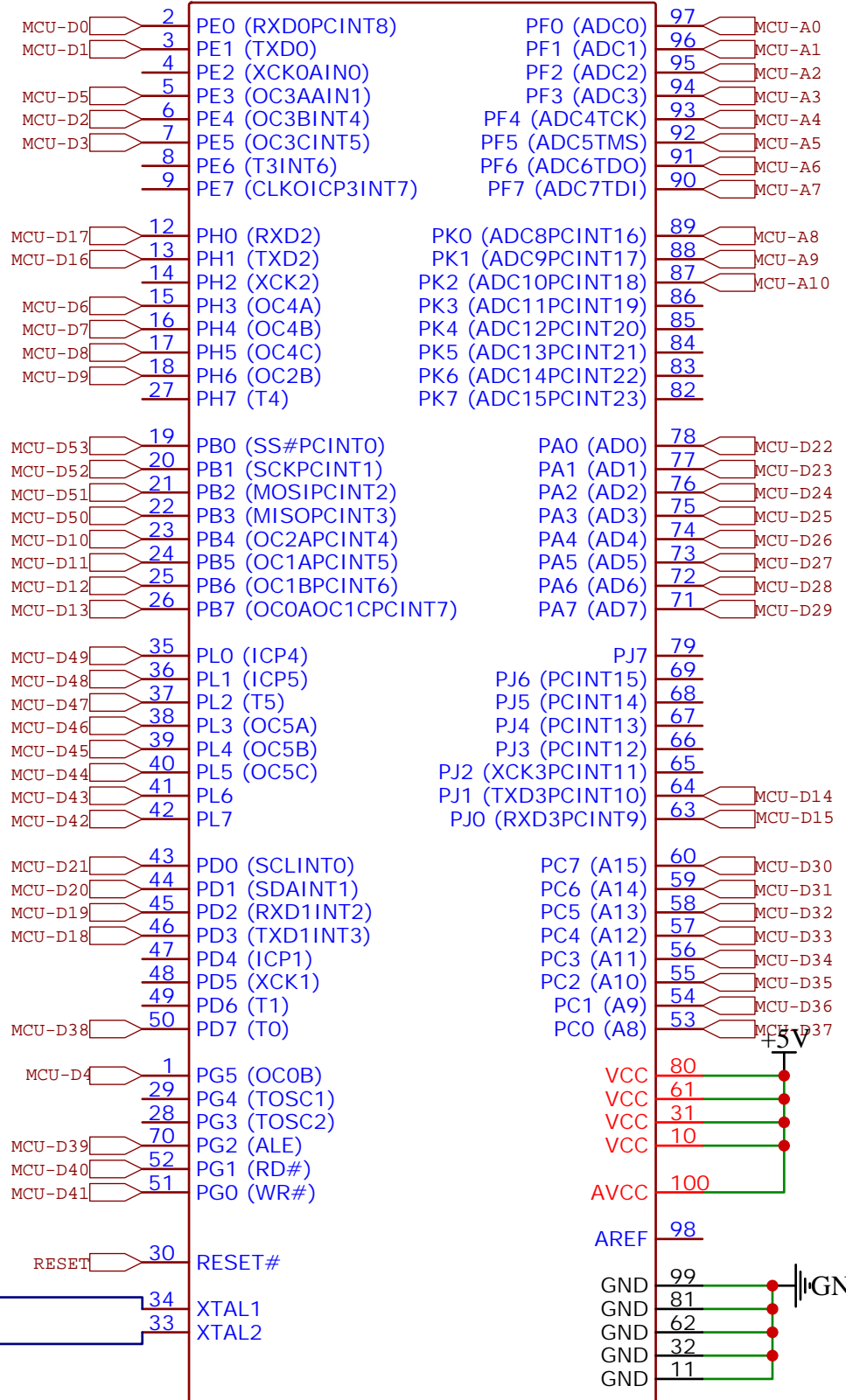
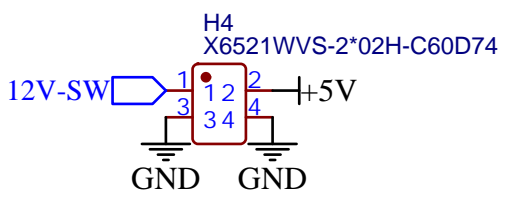
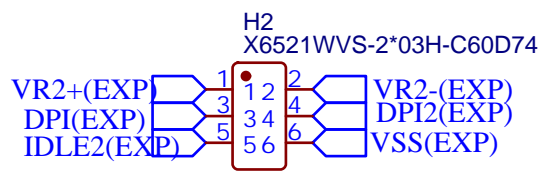
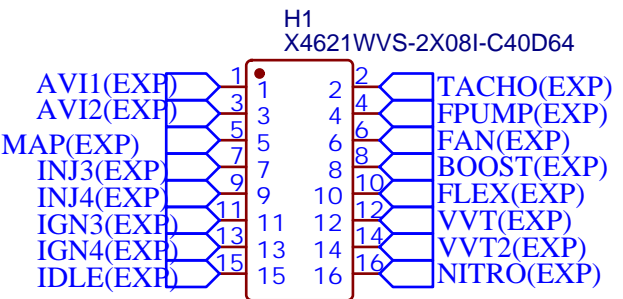


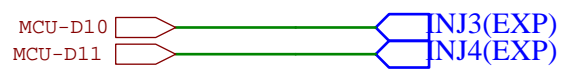
U4
ATMEGA2560-16AU





5v
12v
gnd
inj3d10
inj4d11
ign3d52
ign4d50
idle1d5
tachod49
fpumpd45
fand47
boostd7
flexd2
VVTd4
VVT2d48
Nitrousd3
DPI153
idle2d6
VSS d20
AVI1 A9
AVI2 A10
otro pin

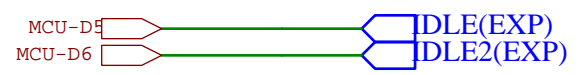
Injector



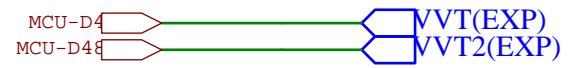
Ignition



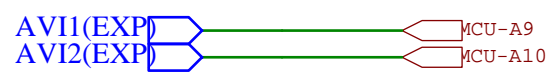
Idle



VVT



AVI



VSS



Flex In



TACHO



FPUMP



FAN



NITROUS



BOOST

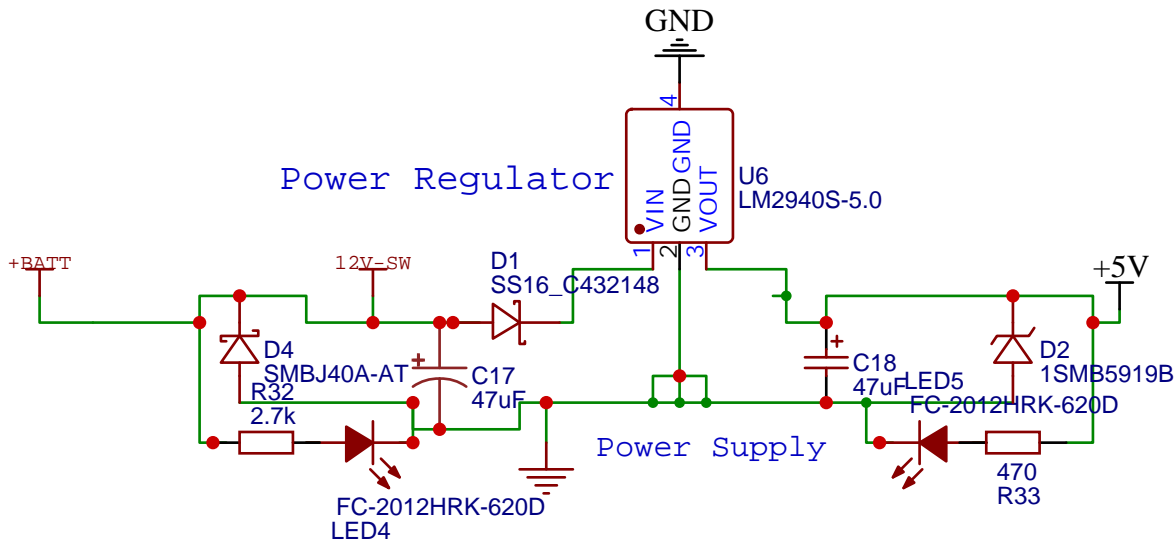


DPI



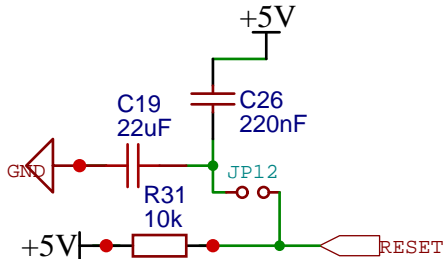
Cam VR



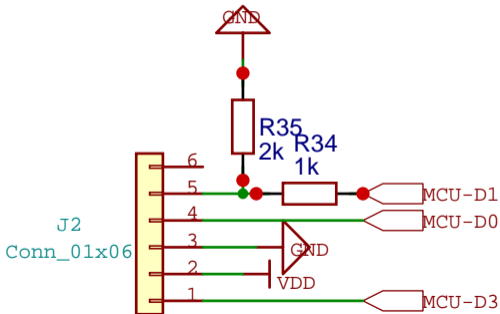


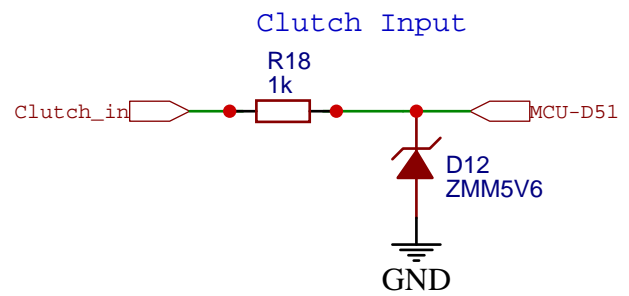
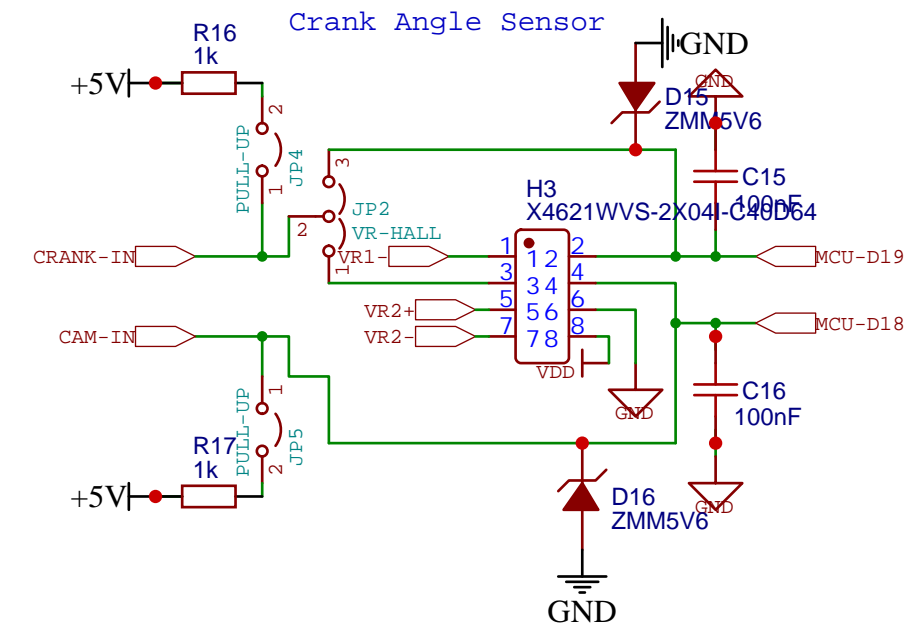
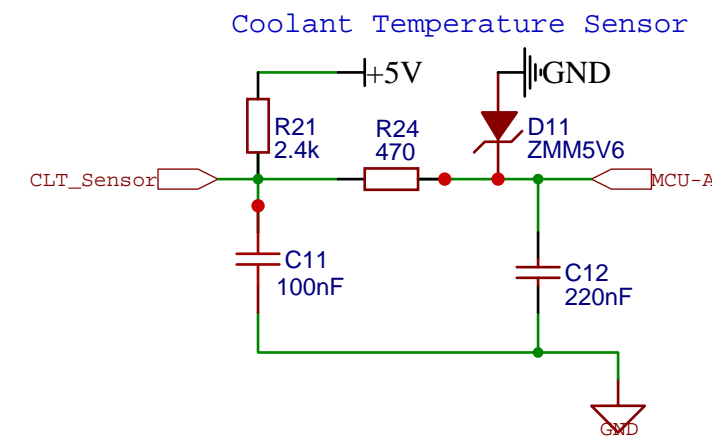
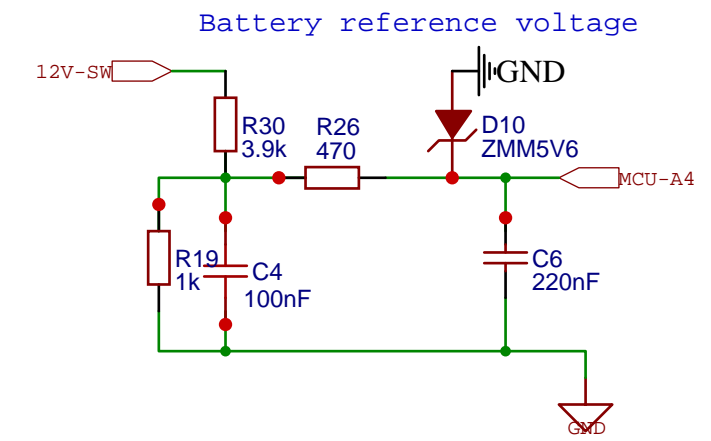
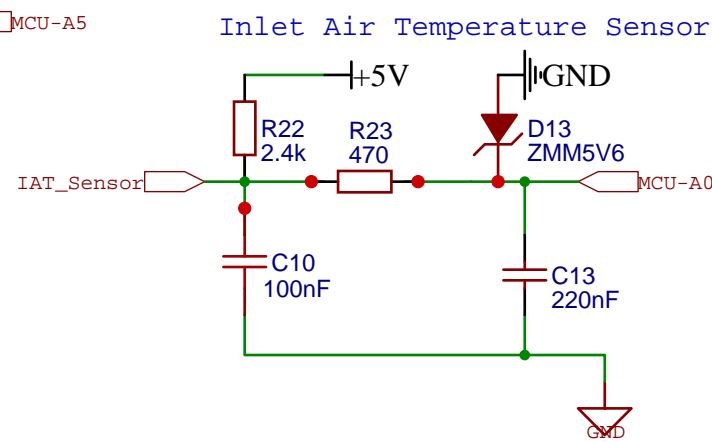
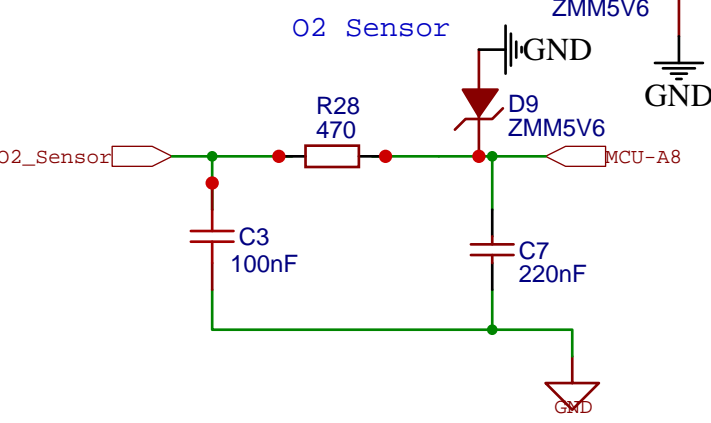
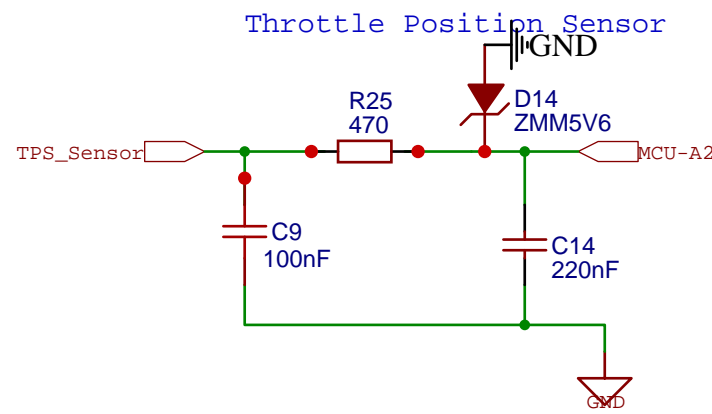
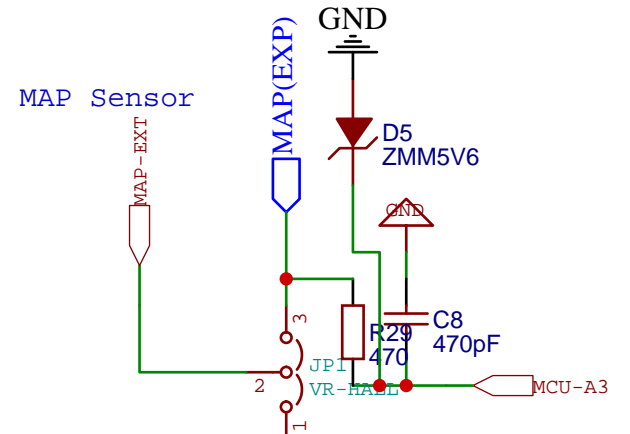
Reset Protection

Refer AVR040 Application Note

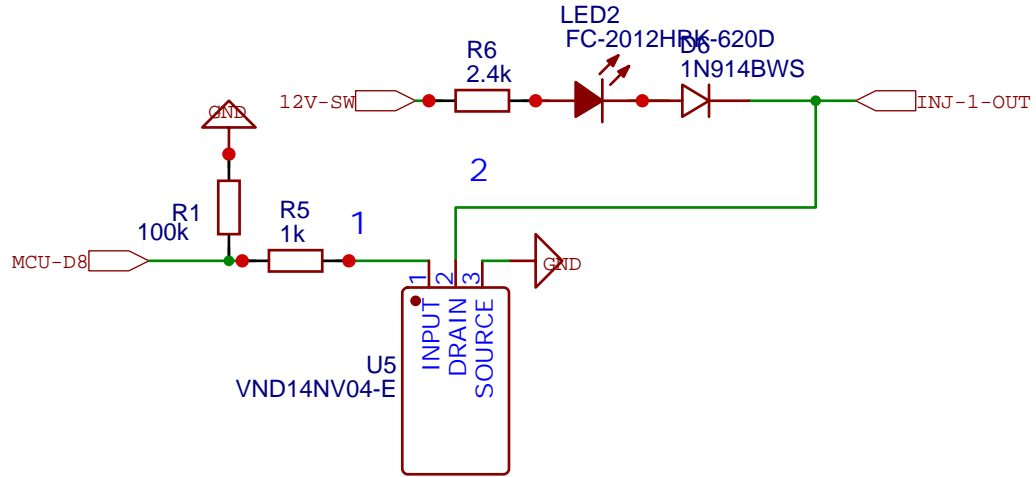


HC-05 Bluetooth Connector

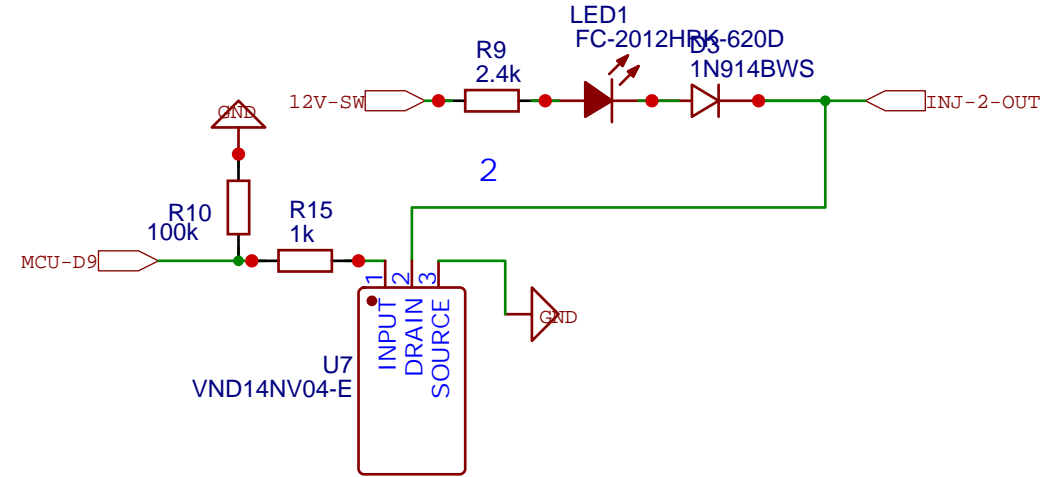




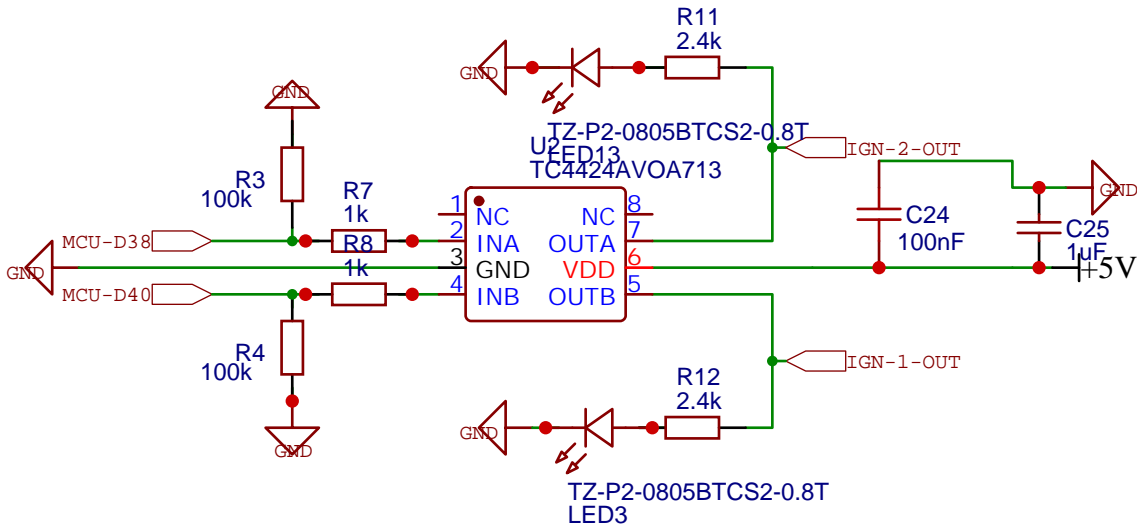
Injector Driver 1



Injector Driver 2

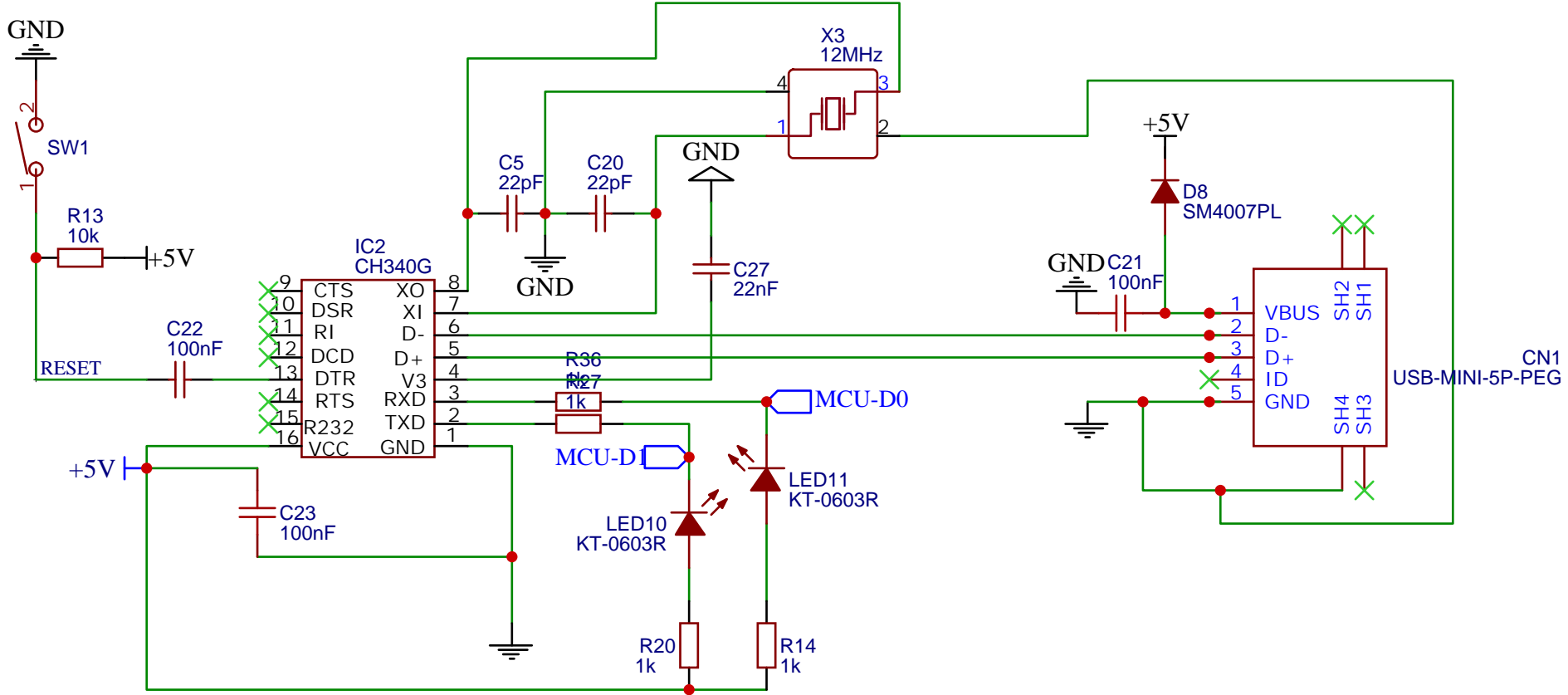


Ignition Driver 1

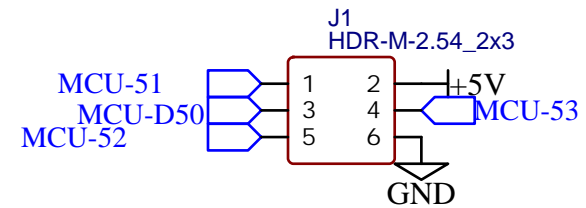


USB Comms with CH340

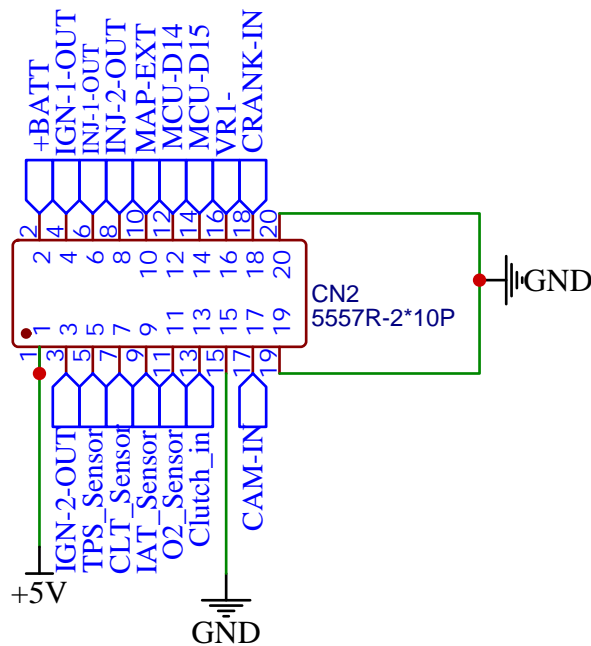
CH340G USB Comms



Programming Port



Main Connector




Trace notes

Pins INJ1, INJ2 must have a trace that withstands at least 2A for 10ms

Placing of CN1, CN2, H1 and H2 is important, H1 and H2 must be at opposites and the middle of the board of 55mm side (like in PCB)
CN1 and CN2 must be at a side of the board, since it needs to be connectable from outside

Another design will connect to this board using H1 and H2, like an Arduino with a connected shield

TITLE: Sheet_1		REV: 1.0
 EasyEDA	Company: Your Company	Sheet: 1/1
	Date: 2022-03-29	Drawn By: Norman Alphaspeed