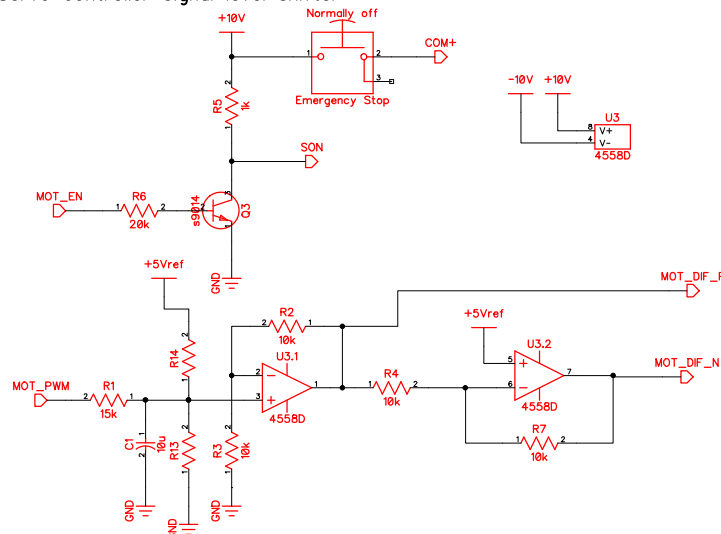
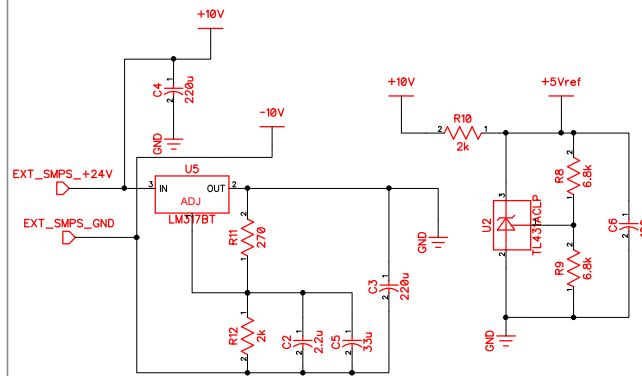


Servo controller signal level shifter



R13 and R14 keep the servo driver at zero movement when atmega is disconnected

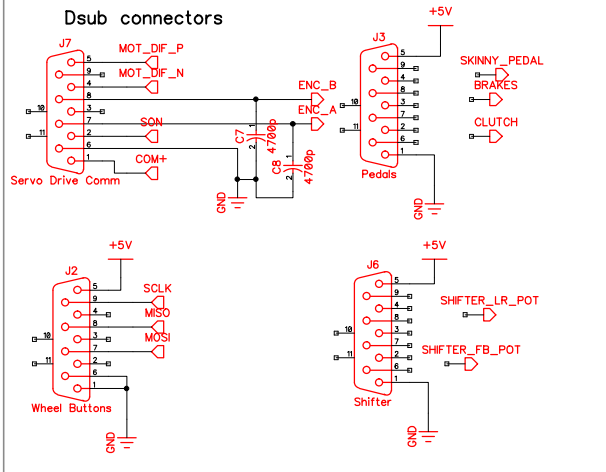
Power Supply



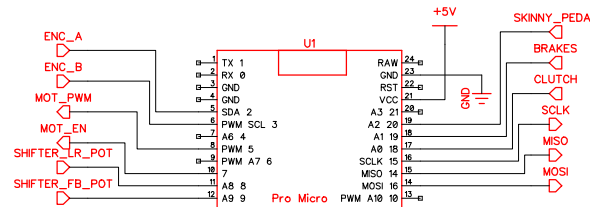
The external smps must be at least 15V.
The -10V rail must be at least -5V for the op-amp to be able to output 0V.
recalculate r11 for different voltage

Project:	FFB Steering wheel
Part:	Control Board
Engineer:	Joesphan Lu
Date:	9/14/2020
rev	0.1
CAD:	Diptrace 3.3.0.1

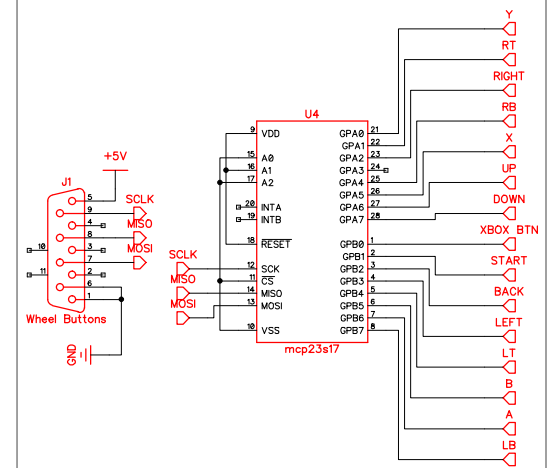
Dsub connectors



Microcontroller



Xbox Wheel Side



Active Low SPI address = 010