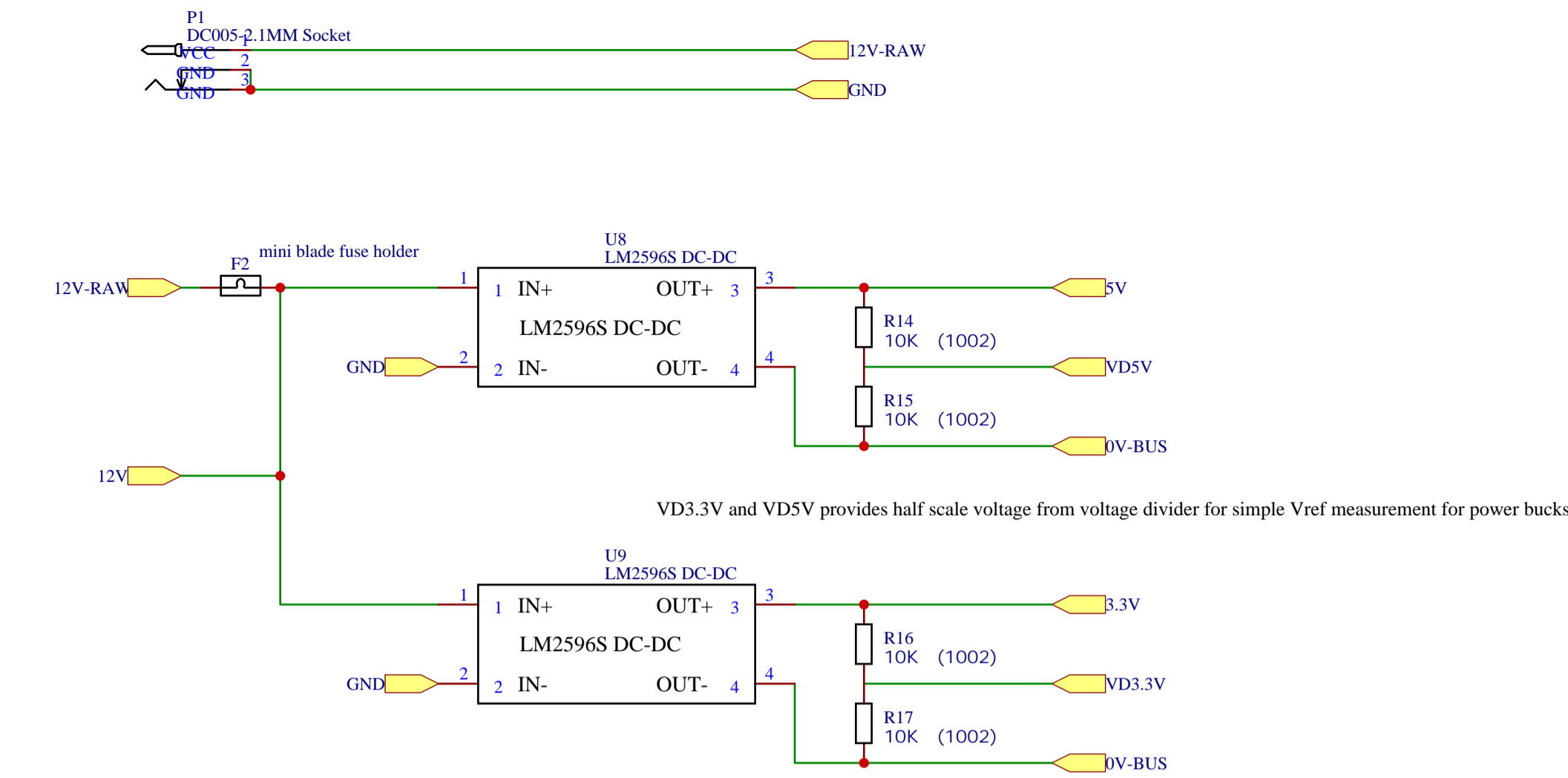
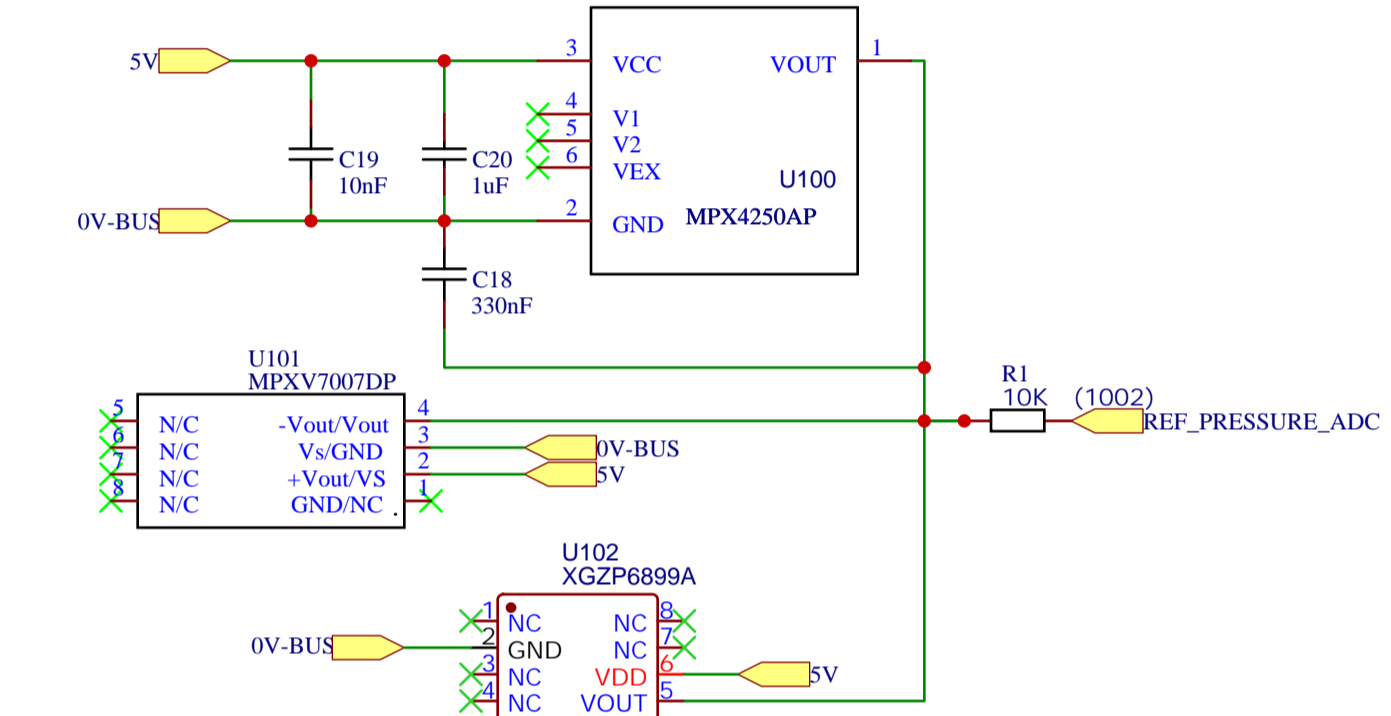


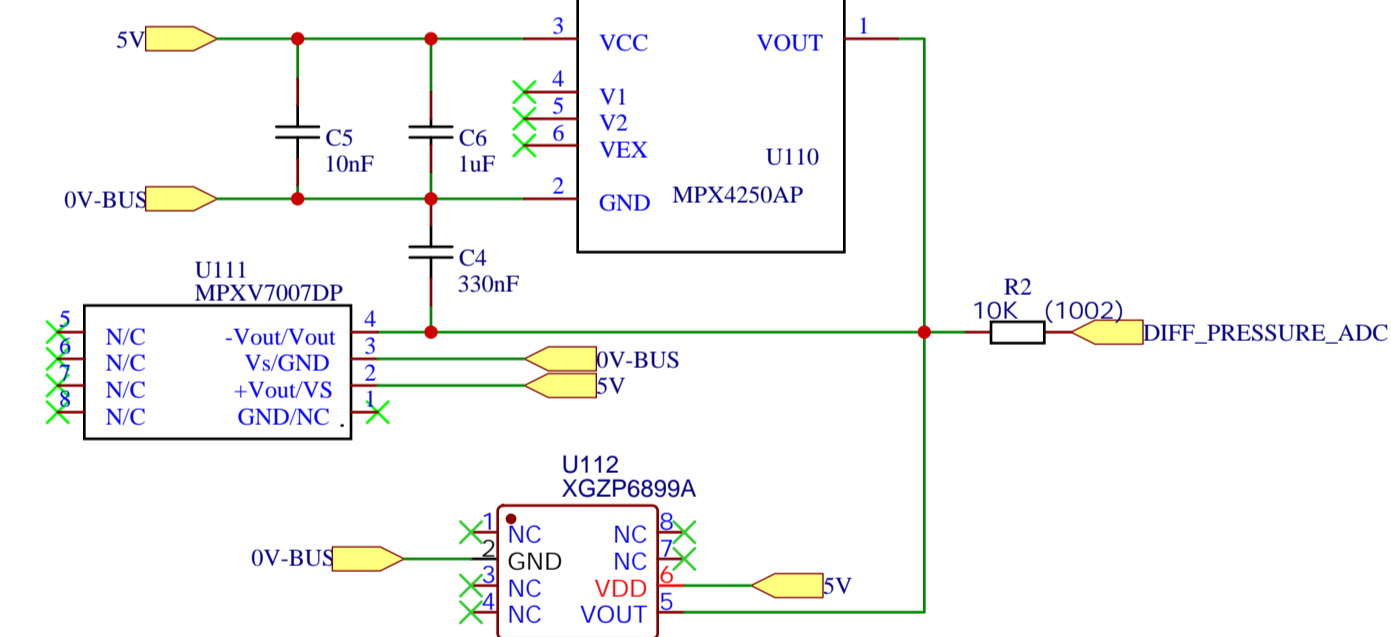
POWER MANAGEMENT



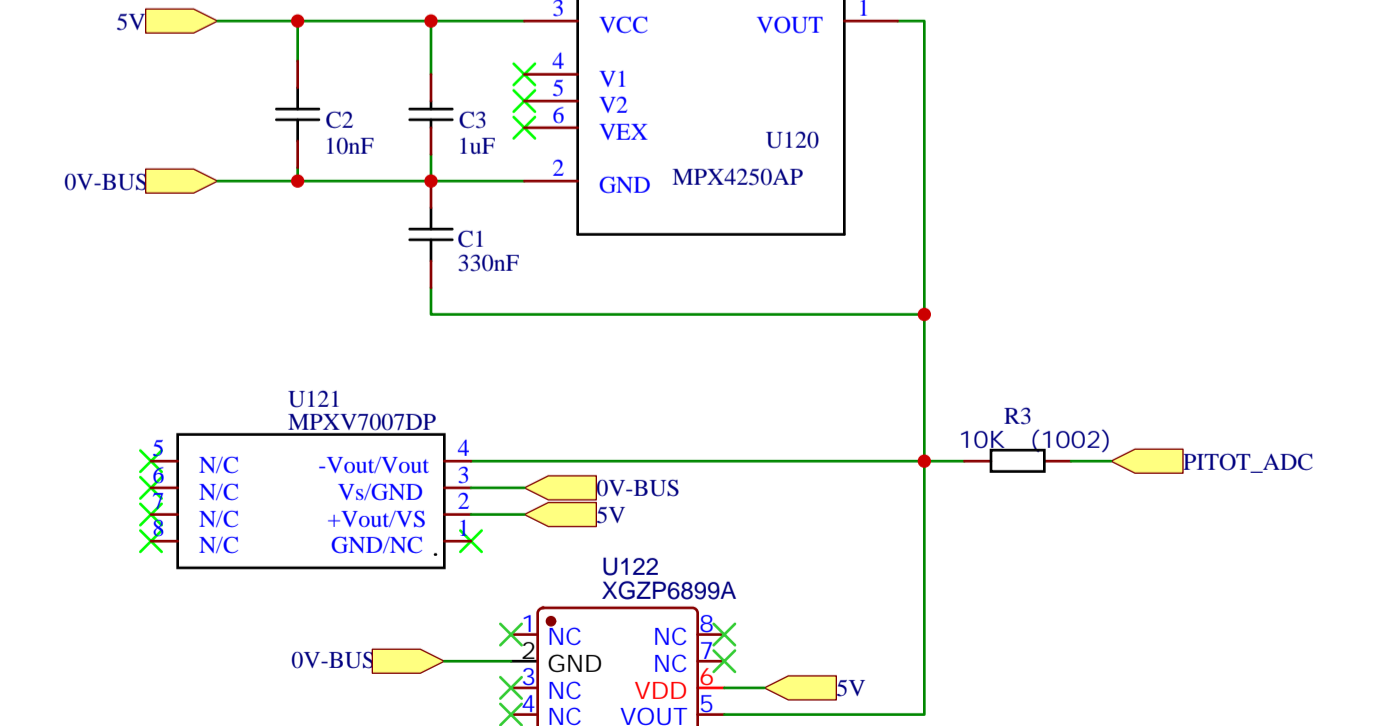
REFERENCE PRESSURE SENSOR



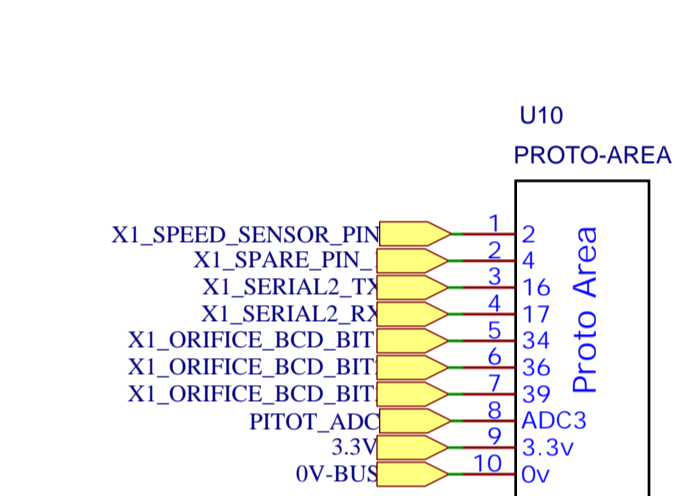
DIFFERENTIAL PRESSURE SENSOR



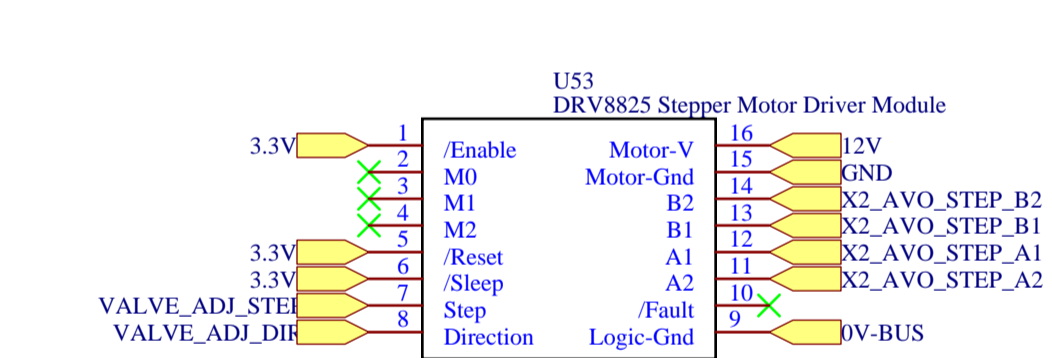
PITOT SENSOR



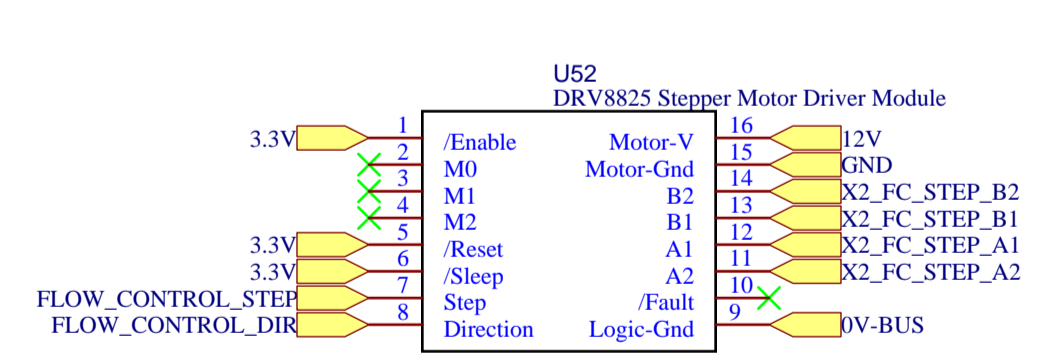
Prototyping Area



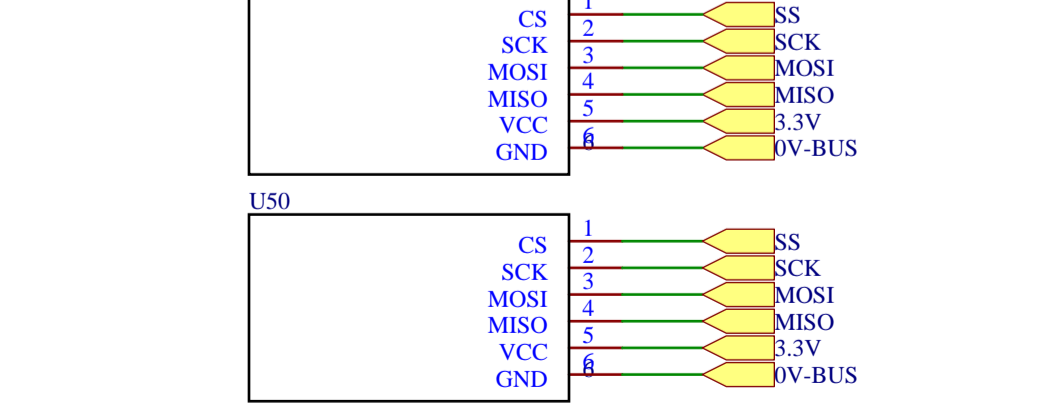
AUTO VALVE STEPPER MOTOR



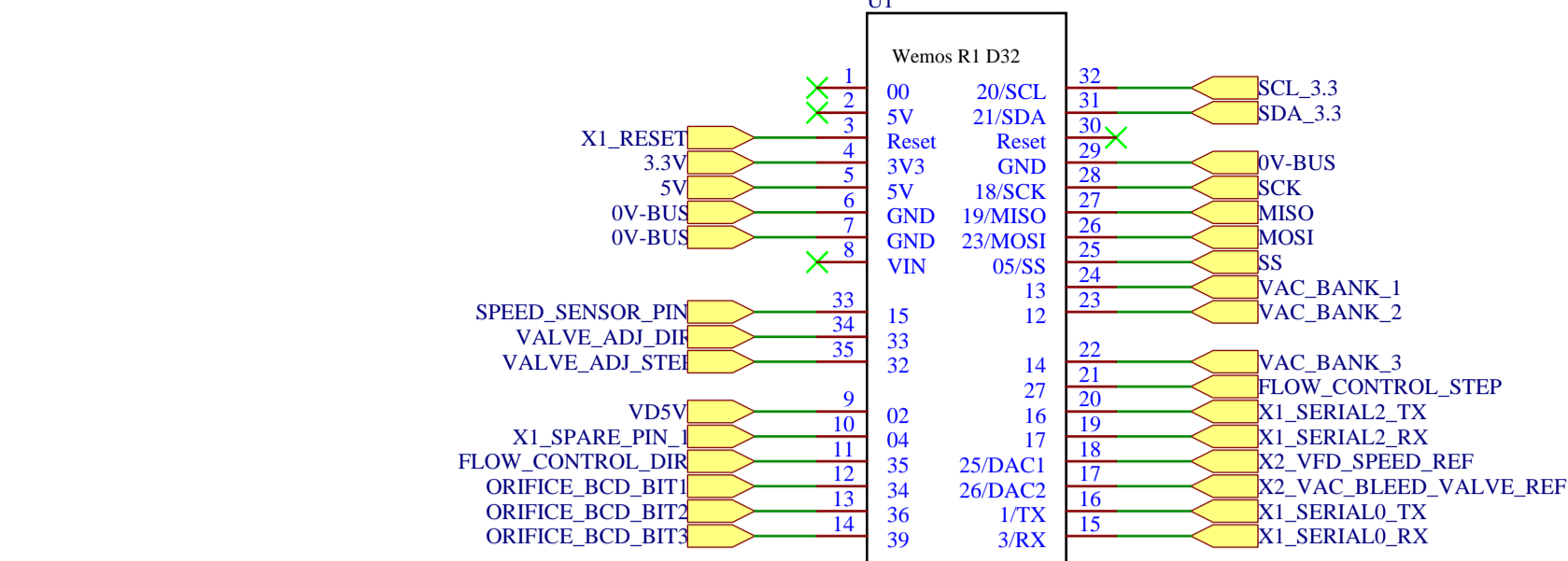
FLOW CONTROL STEPPER MOTOR



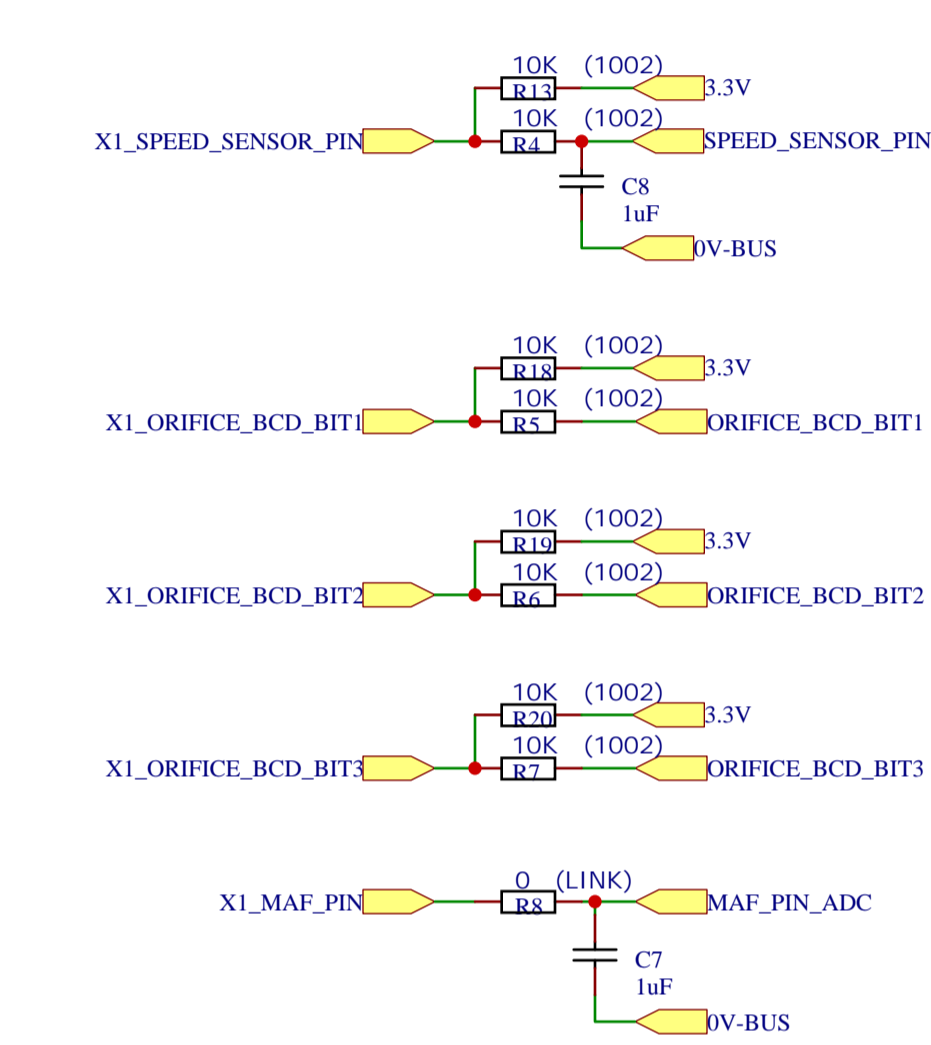
SD CARD



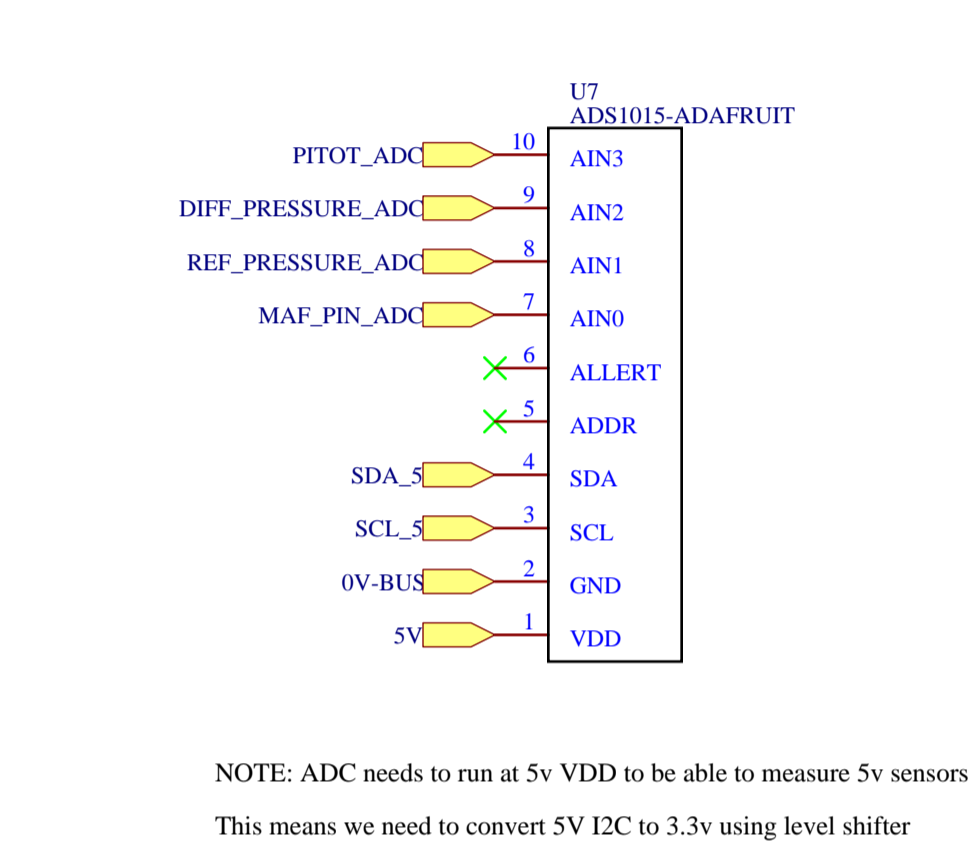
CPU - Wemos D1 R32



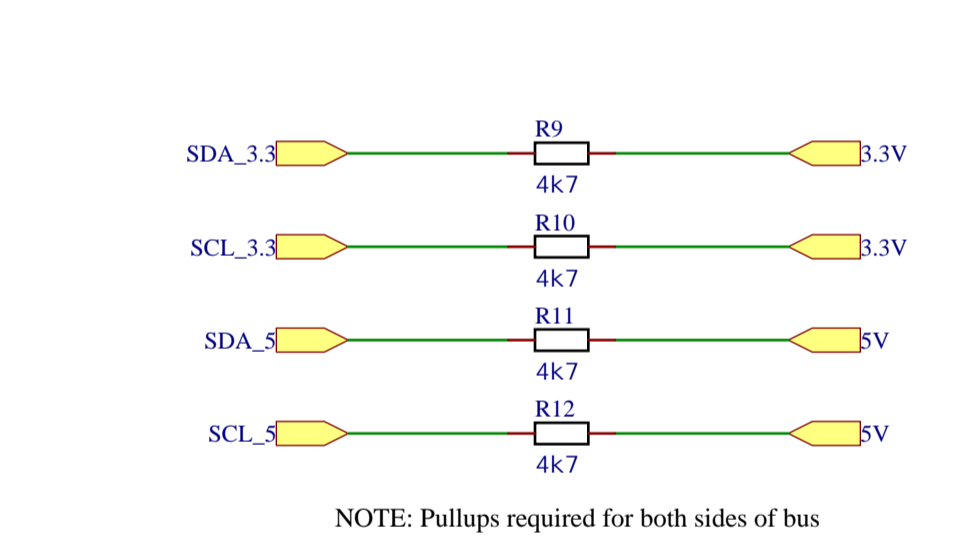
INPUT SIGNAL CONDITIONING



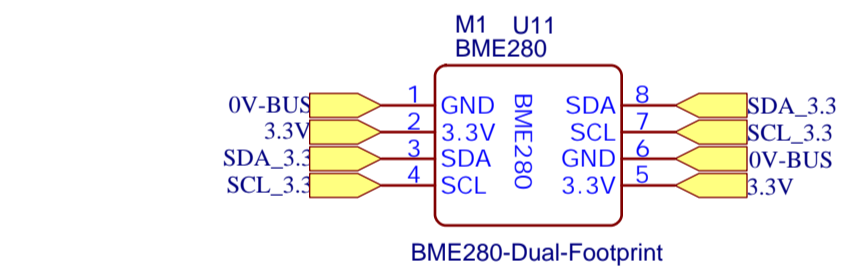
ADS1115



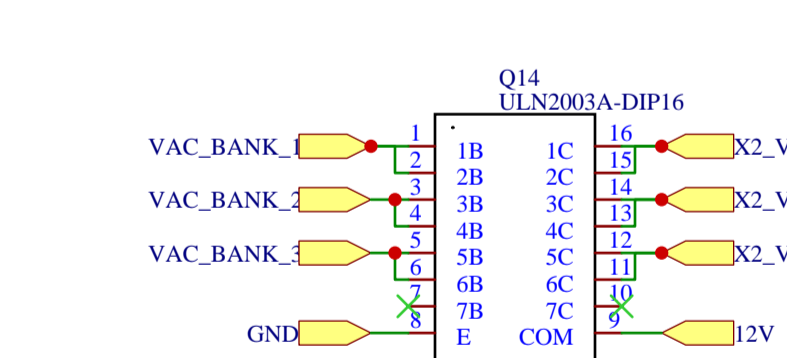
I2C Bus / Level Shifter



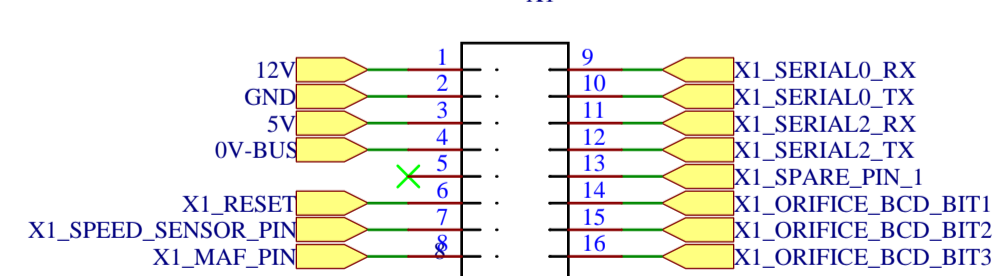
BME280



OP DARLINGTON ARRAY

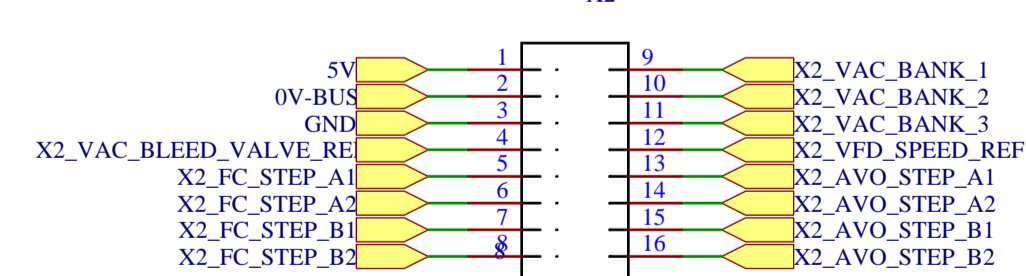


FIELD INPUTS



NOTE: MAF input also needs to handle frequency based MAFs...
ADS1115 / I2C can handle up to 100kHz
Typical MAF maxes out at 5kHz
Possibly utilise frequency to voltage converter such as LM231/LM331

FIELD OUTPUTS



Schematic	DIY-Flow-Bench.V2.3			Update Date	2024-09-11
Page	DIY-FB-V2.3			Create Date	2020-07-30
Drawn	DEEEMM			Part Number	DIYFB-2.3
Reviewed	DM			DIY-FLOW-BENCH	
		VER	SIZE	PAGE	OF
		V2.3	A3	EasyEDA.com	