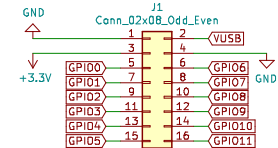
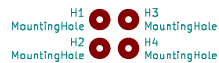
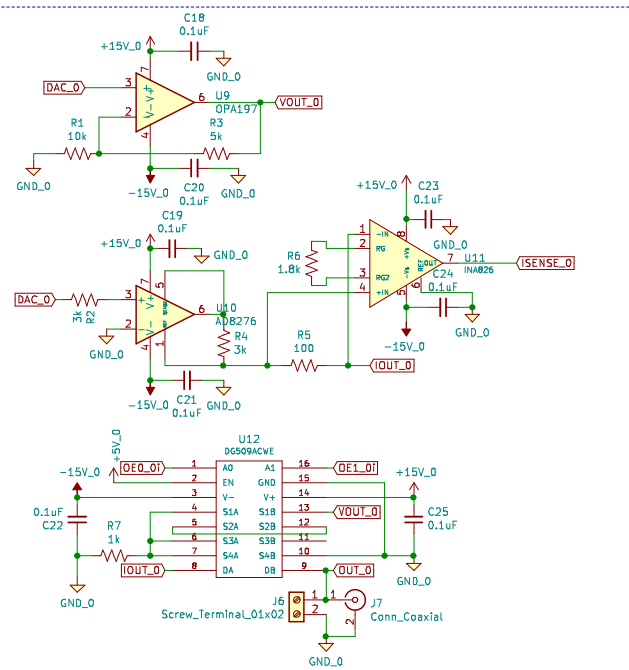
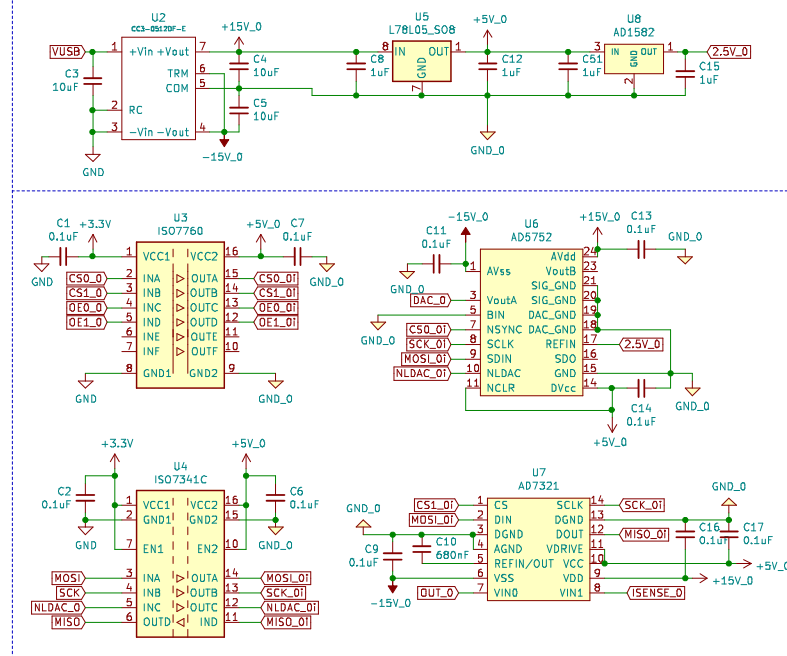


Stim channel 0



OE0	OE1	Output
0	0	VOLTAGE
1	0	CURRENT
0	1	High-Z
1	1	GND

Max current output (0ohm load) is $(+/-10V)/3k = +/- 3.33mA$.
 Current resolution is $20V/2^{16}/3k = 0.1uA$.
 Max voltage output (infinite load) is $40/43*14.8V = +/-13.76V$.
 gain is $Rsense*(1+49.4k/Rg) = 100*(1+49.4k/1.8k) = 2.87 mV/uA$.
 Voltage output range is thus $+/-3333*0.00287 = +/-9.57V$.
 output needs to be within $+/-10V$.
 current sensing resolution is $10000 mV / 2^{12} / (2.87mV/uA) = 0.85uA$.

Stim channel 1

