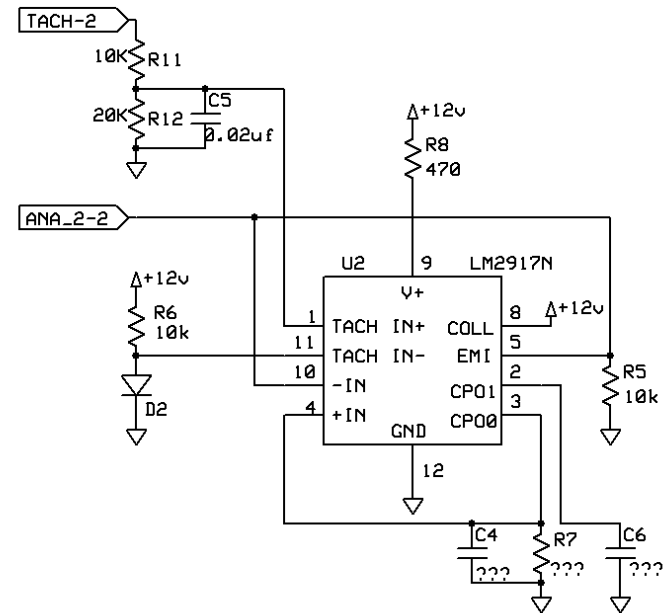


Tachometer 1

TODO: Values of R3, C2, C3, R7, C4, C6 to be calculated

R3, C2, C3, R7, C4, C6 are precision components

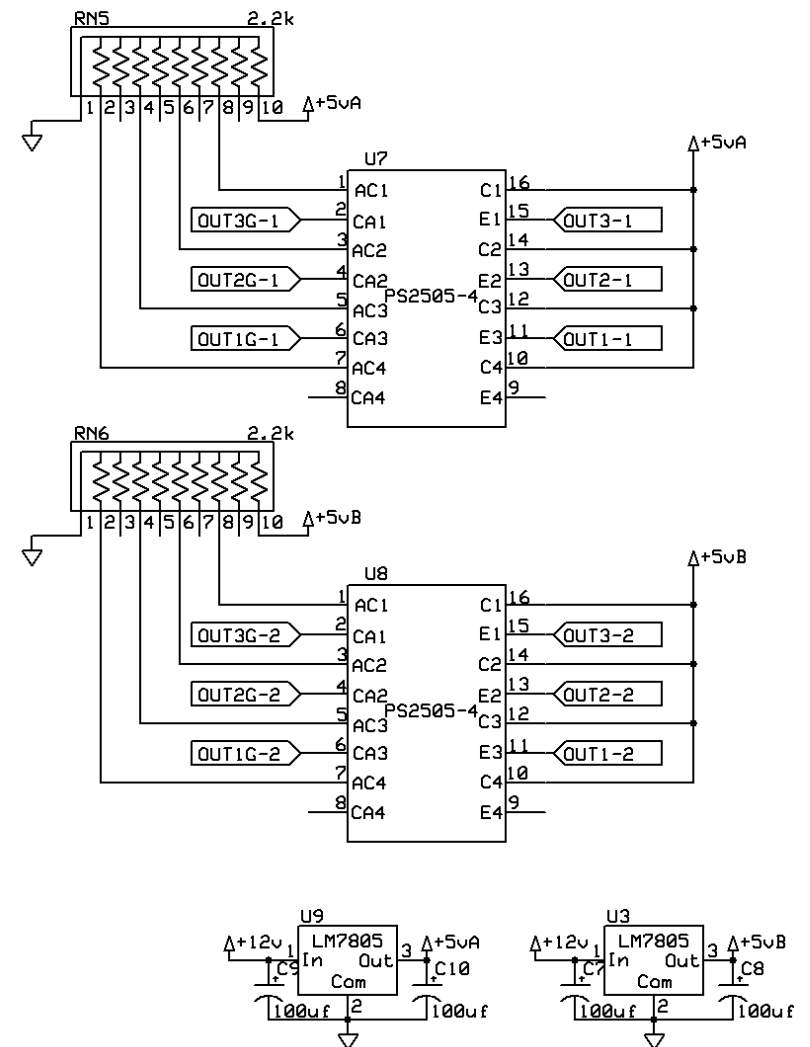
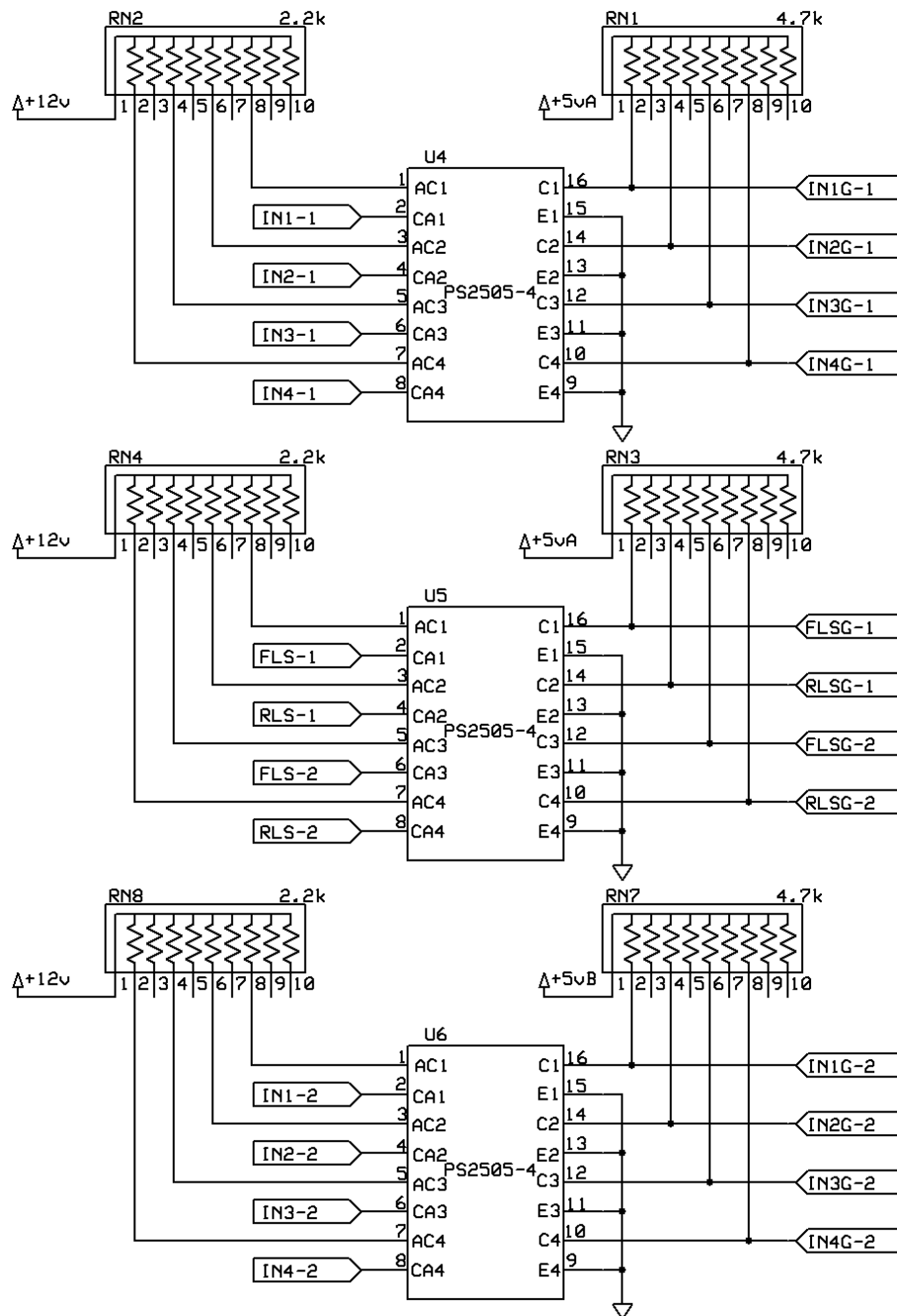
All resistors 1/4 W



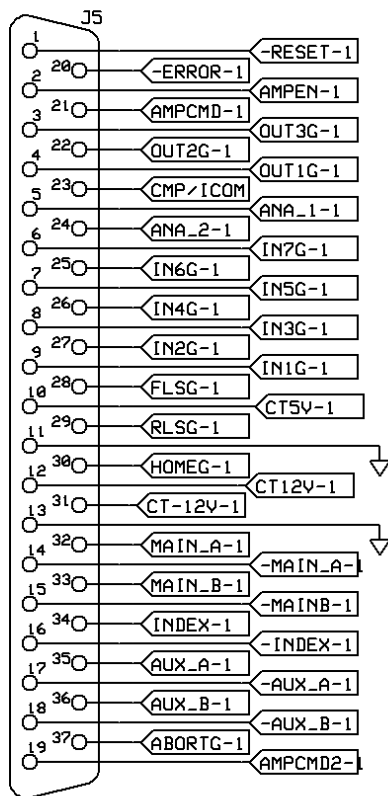
Tachometer 2

Team Overbot		
GCThrottle		
Ed Okerson	Rev 1.2	Tachometers
	7/20/2004	

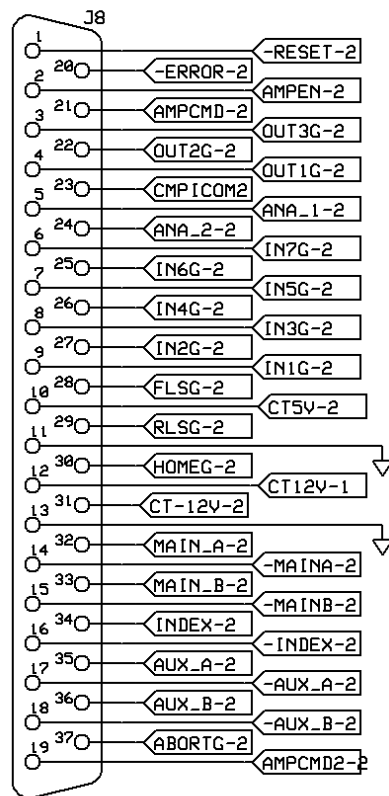
TODO: Determine whether RN5, RN6 should have +5 or GND removed



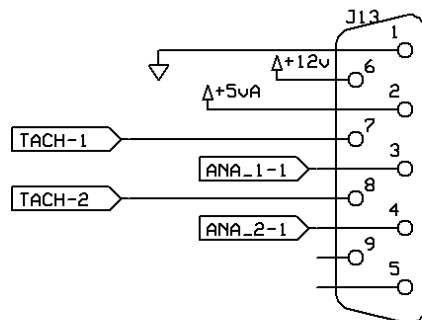
Team Overbot		
GCThrottle		
Ed Okerson	Rev 1.2 7/20/2004	Optoisolators



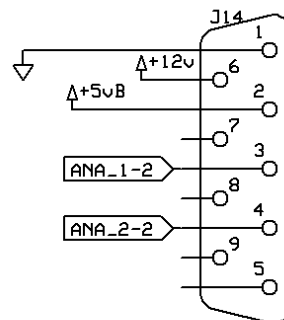
Controller A



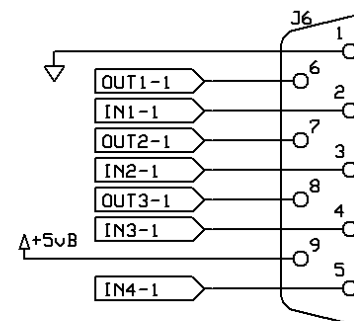
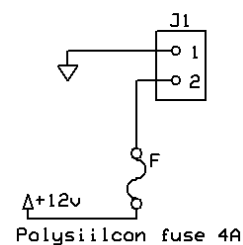
Controller B



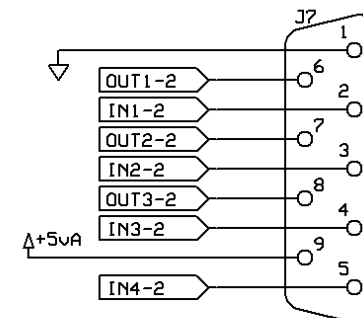
Analog/Tach A



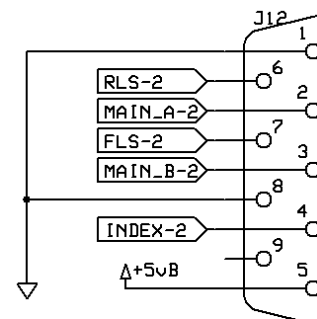
Analog In B



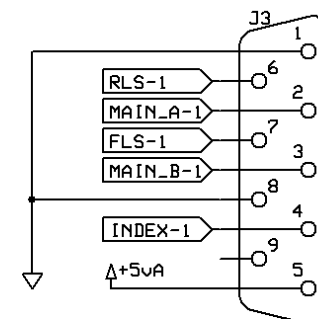
Digital in/out A



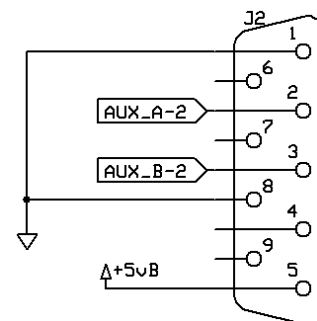
Digital in/out B



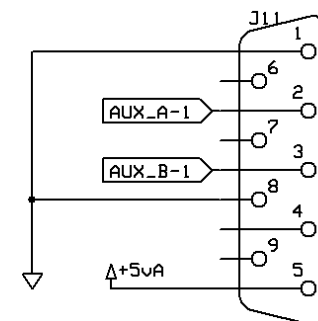
Main encoder A



Main encoder B



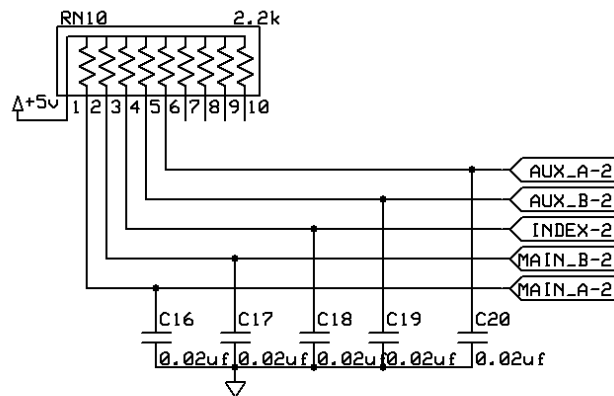
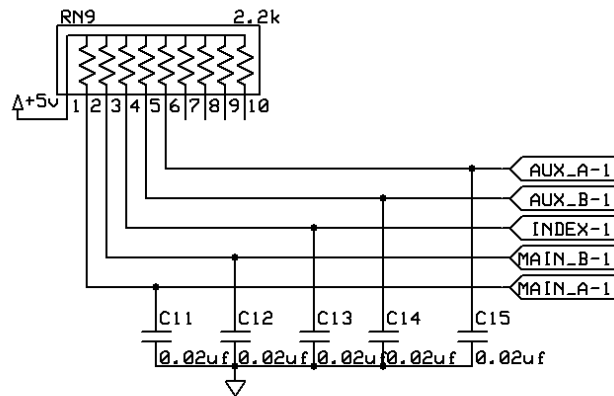
Aux encoder A



Aux encoder B

NOTE: 12v traces to J13/J14 must be sized for 4 amps.

Team Overbot		
Galil interface unit		
J. Nagle	Rev 1.2 7/20/2004	Connectors



Encoder pull-up resistors and bypass caps

Rearrange as convenient for layout

Team Overbot		
Galil Interface Unit		
John Nagle	Rev 1.2	Pullups
	7/20/2004	