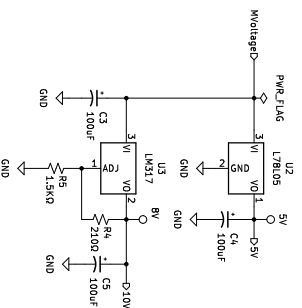
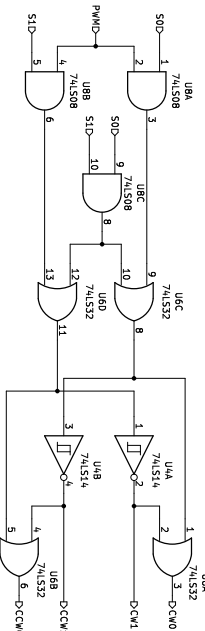


Voltage Regulation

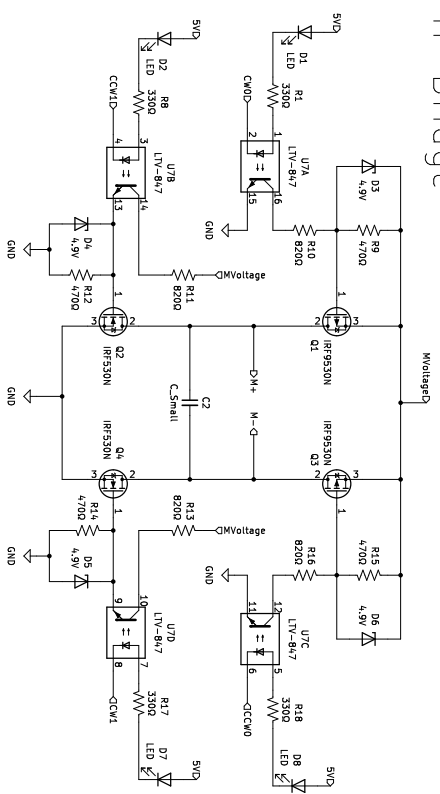


Control

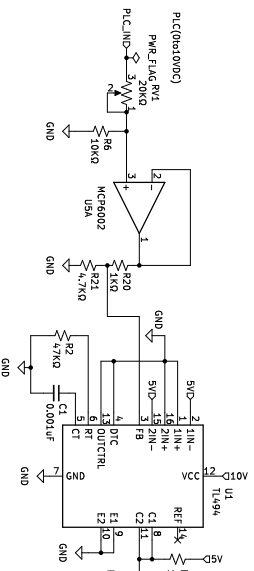
S0S1
0 0 = Coast
0 1 = CW
1 0 = CCW
1 1 = Brake



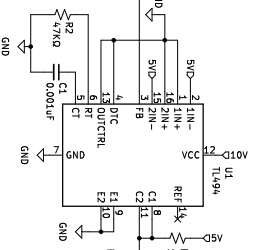
H-Bridge



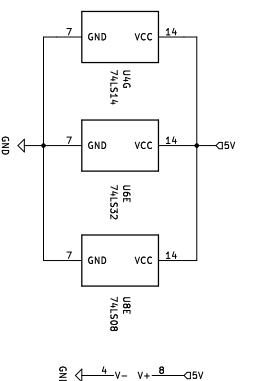
Voltage Level Adj.



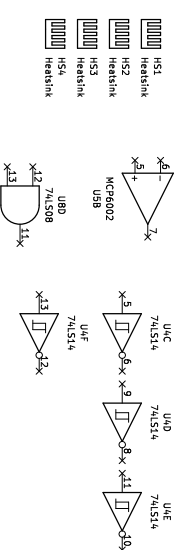
PWM



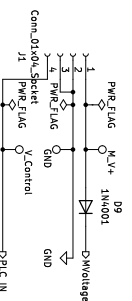
IC Voltage Connections



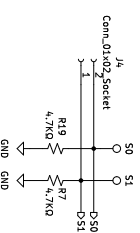
No Connects



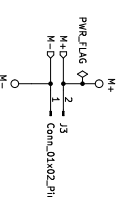
Motor Voltage In (12V to 24V) PLC Voltage In (0 to 10V)



Control In (S0 and S1)



Motor Connector



Assistant Professor Timothy S. Leishman
Idaho State University

Sheet: /
File: 11494withhbridge.circad.sch
Title: Motor Control Circuit

Size: A3 Date: 2025-05-14
Kicad E.D.A. Kicad 7.0.11-rc3

Rev: 2
Id: 1/1