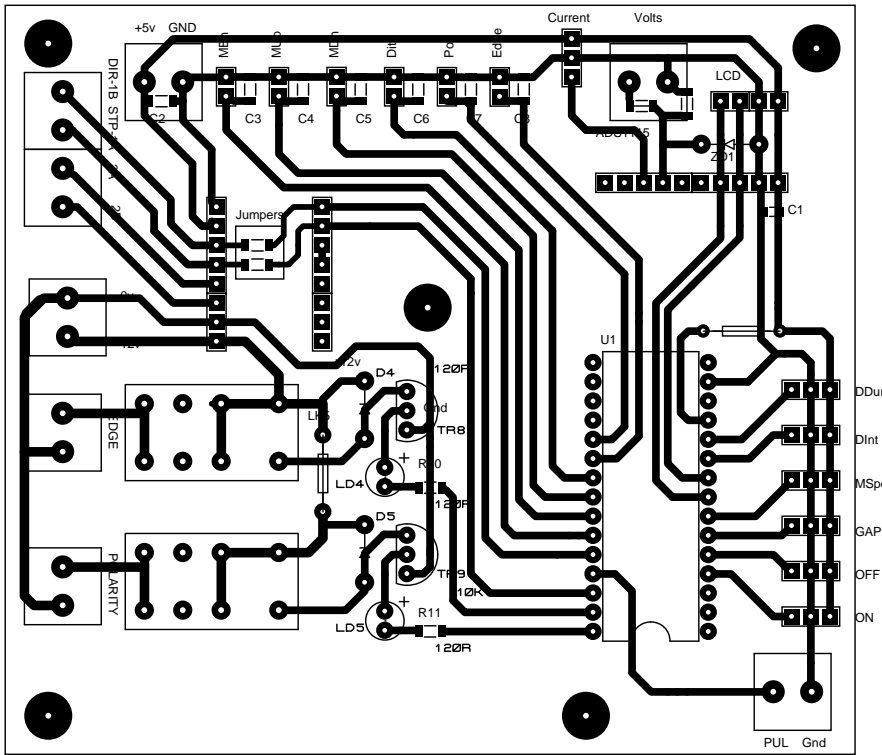


Volts input can use potential divider on board or at source
 5.1v Zener diode used to limit input



A0 = Frequency Pot

A1 = Duty Cycle Pot

A2 = Gap Voltage Pot

A3 = Motor speed Pot

A4 = SCL I2C Comms for LCD Display

A5 = SDA I2C Comms for LCD Display

A6 = Dither INT

A7 = Dither DUR

D13 = Motor Enabled LED on panel

D12 = Motor enable with D13 led on panel

D11 = Motor Step command

D10 = Motor Step command

D9 = PWM/Frequency output

D8 = Manual up

D7 = Manual down

D6 = Dither

Polarity is directly wired from panel to polarity relay

Edge finder switch on panel directly wired to power relay

adc0 = ADS1015 Ch1 Gap voltage input

adc1 = ADS1015 Ch2 Current input

adc2 = ADS1015 Ch3

adc3 = ADS1015 Ch4