

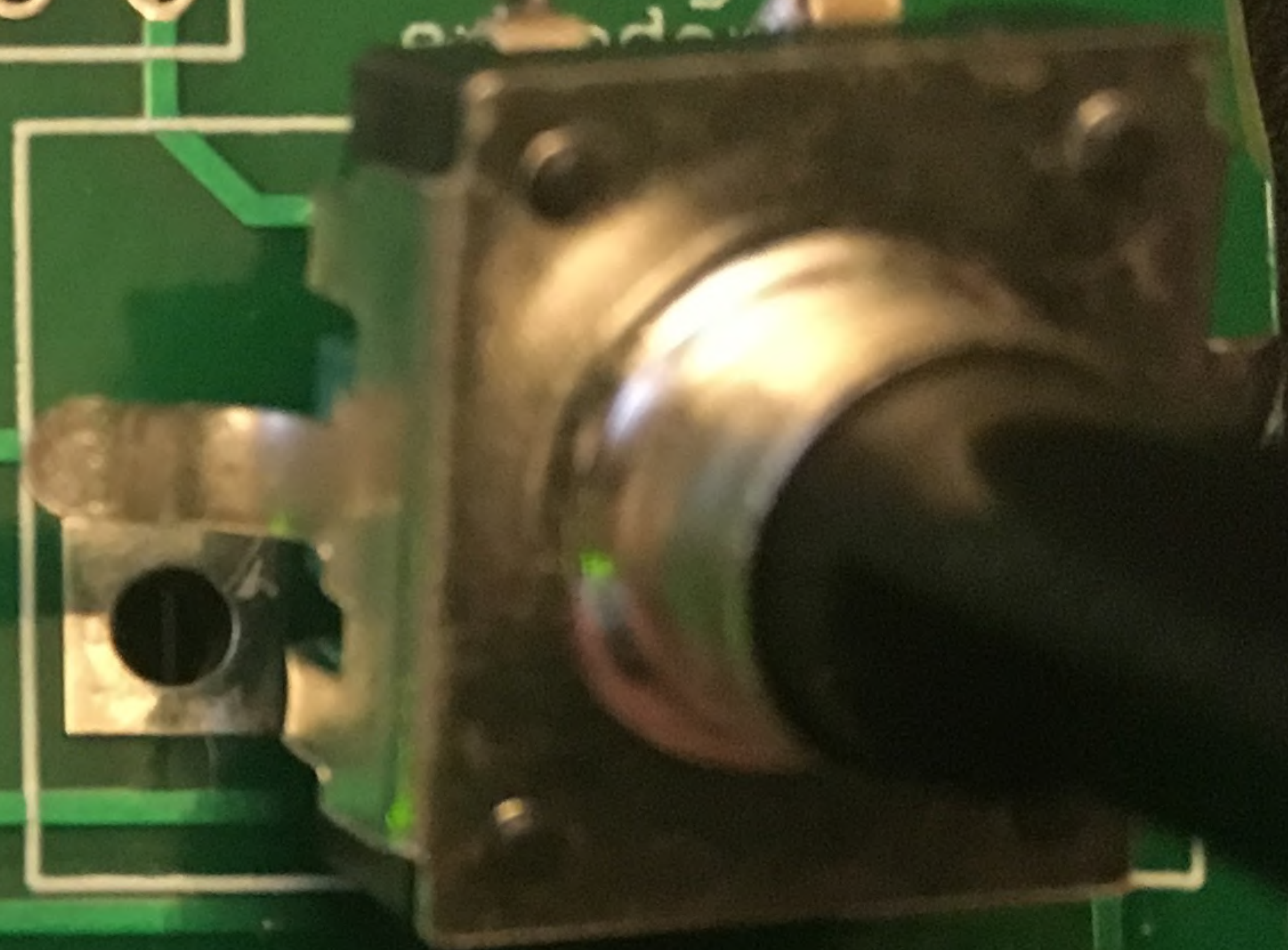
PC4 GND PB4 PB2 PB0 PD6 PD4 PD2 PD0  
PC5 AREF PB5 PB3 PB1 PD7 PD5 PD3 PD1



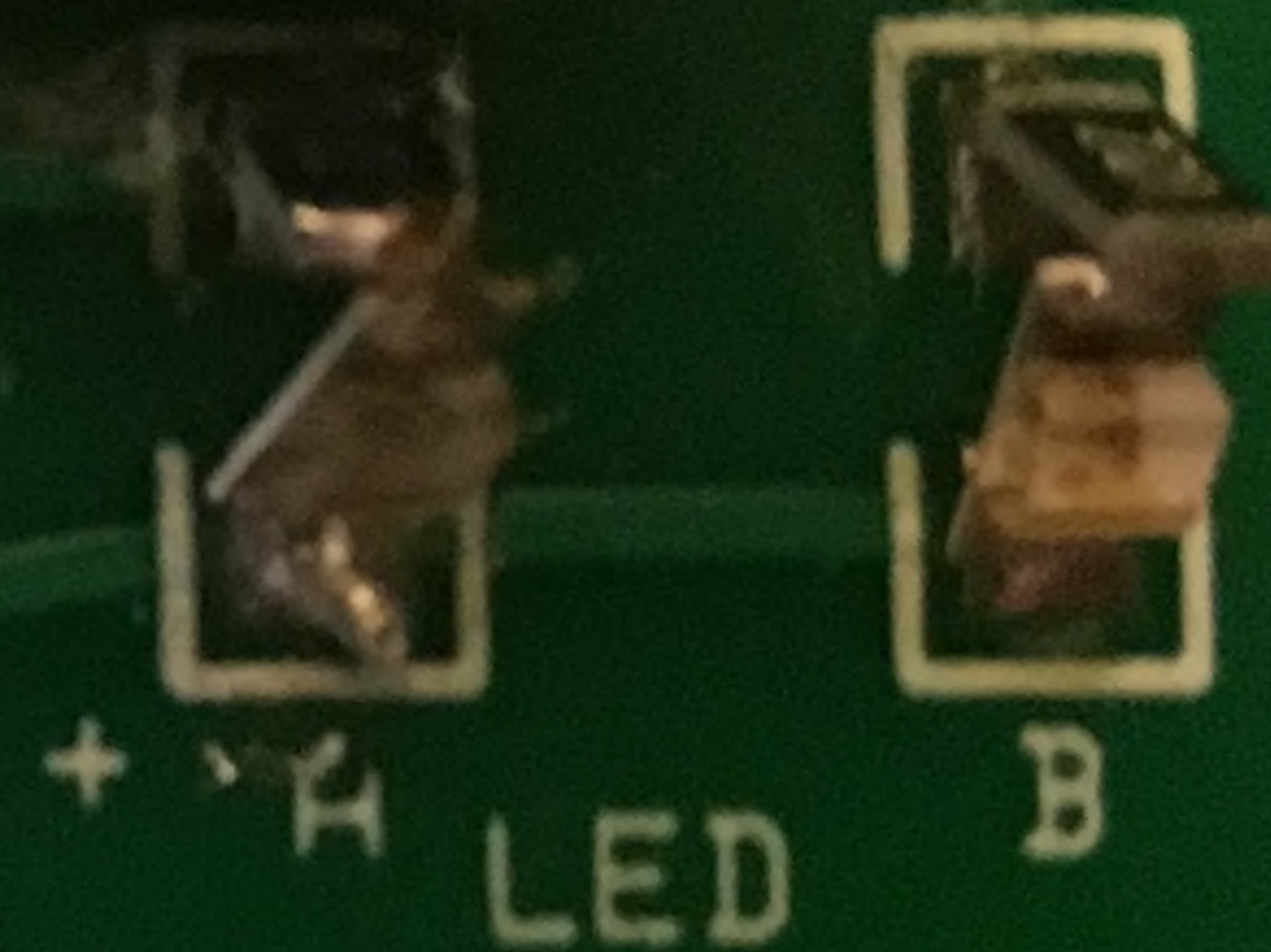
led matrix

Michael Whitley  
Clements Inventors  
AVR Learning Shield

rotary encoder



1m35



LED

B



1uf

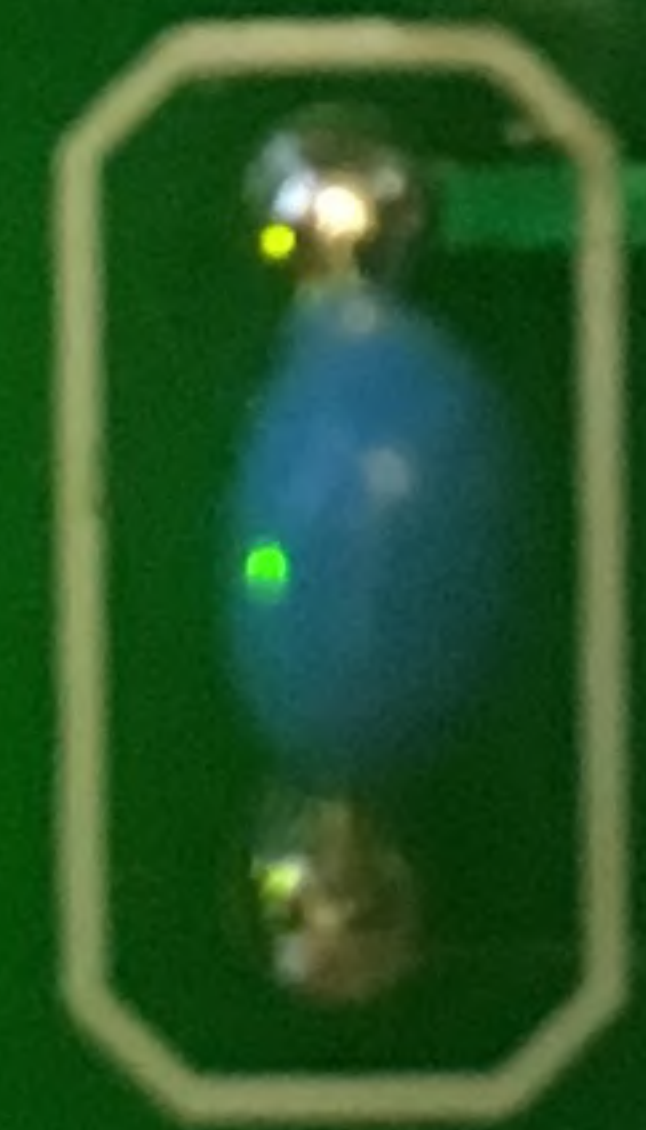


LED



220 ohm

10k



.01uf



1uf



photoresistor

NC RST 5V GND  
VCC 3V3 GND VIN

P A B T L R  
PC0 PC2 PC4  
PC1 PC3 PC5