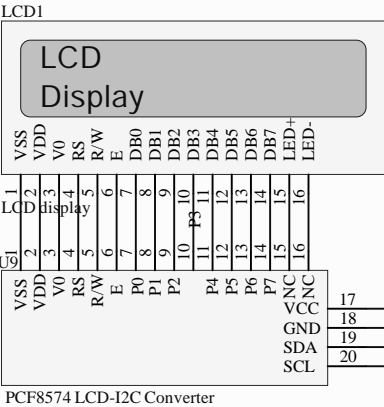
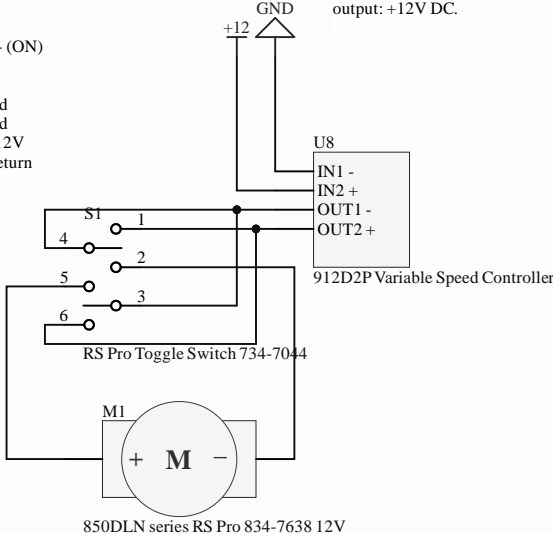


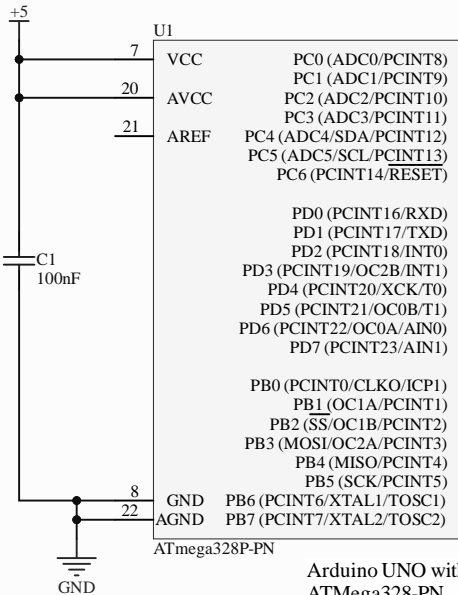
LCD Display added to show pulse timing and pulse count velocities. PCF8574 shield directly soldered (pin to pin) onto LCD Display board.



(ON) - OFF - (ON)
Switch
Terminals:
3-4 connected
1-6 connected
5 (+) motor 12V
2 (-) motor return
GND

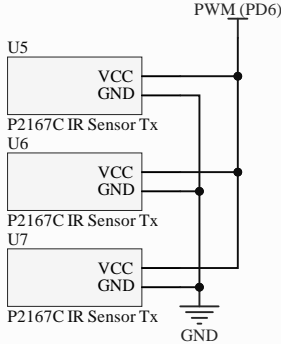


Use AC-DC adapter, output: +12V DC.



Arduino UNO with ATmega328-PN was used.

Encoder disc attached to the motor (M1) output shaft placed to cut the IR laser beams.



Title			
Optical Shaft Encoder			
Size	Number	Revision	
A4	1	1.1	
Date:	12.12.2022	Sheet of	1
File:	WiringDiagram.SchDoc	Drawn By:	Team 5