

Arduino to LCD Pin Connection

LCD 16*2 Display	Function	Arduino
1	VSS	GND
2	VDD	5V
3	V0 (Contract)	Middle pin of 10K POT
4	RS	D4
5	RW	GND
6	EN	D6
11	D4	D7
12	D5	D8
13	D6	D9
14	D8	D10
15	LED +	5V (Via 220ohm Resister)
16	LED -	GND

Push Button (Input_Pullup) to Arduino Connection

Button	Purpose	Arduino Nano
Button 1	Left	D3
Button 2	Right	D5
Button 3	Enter	D11
Button 4	Stop	D12

One Side off All Buttons (GND)

YF-S401 Flow Sensor to Arduino With Capacitor (1000uf 50v

Sensor Wire	Connection	Capacitor Pin
RED	5v	Positive
Black	GND	Negative
Yellow (Signal Wire)	D2 (Interrupt Pin)	

Arduino to Motor Driver

Arduino Pin	Motor Driver
A5	IN1
A6	IN2
GND	GND
5V	5V

Buck converter

Arduino Pin	Buck I/P Pin	Buck O/P Pin
5V	Positive	Positive
GND	Negative	Negative

Motor Driver to Motor

Motor Driver	Motor
OUT 1	Positive Pin
OUT 2	Negative Pin

Potentiometer 5k to Arduino

Arduino Pin	Potentiometer
5v	VCC
GND	GND
D3	O/P Signal Pin

Arduino to Buzzer

Arduino	Buzzer
D13	Positive Pin
GND	GND

Motor Driver Pin

I/P Positive

I/P Negative