**********Draft Valve Control**********

Initial work by Joe Small

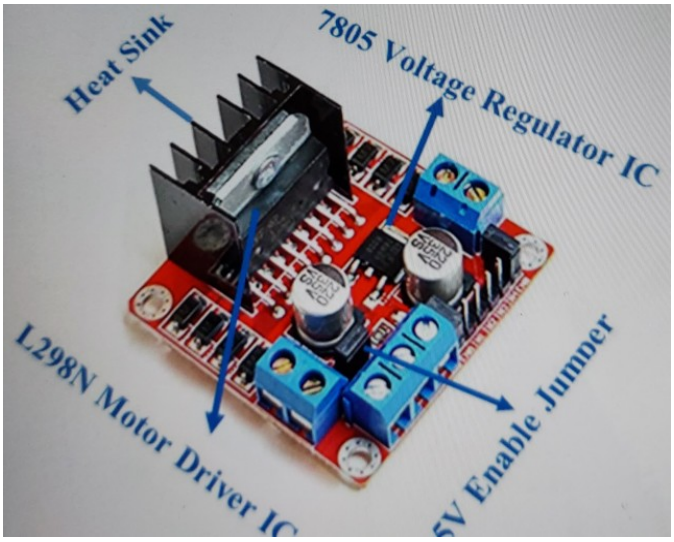
using a pico_w programmed with Arduino IDE

L288 Motor Control

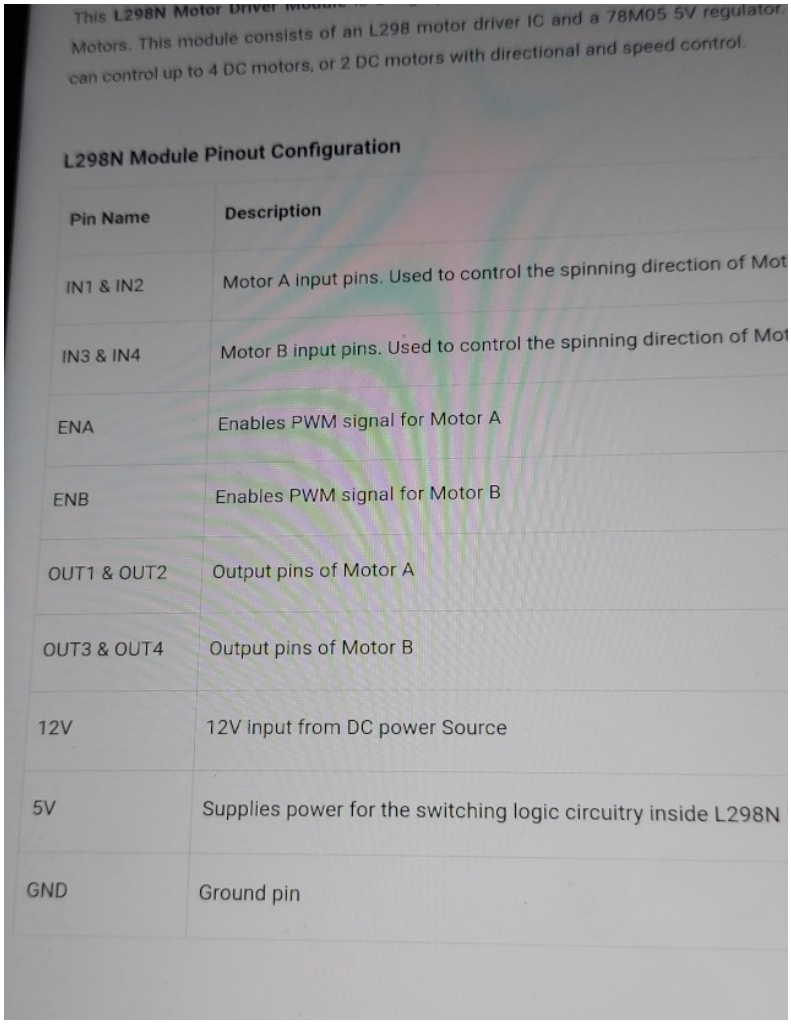
08/02/23

**********Draft Valve Control**********

L288 Components



L288 pins description

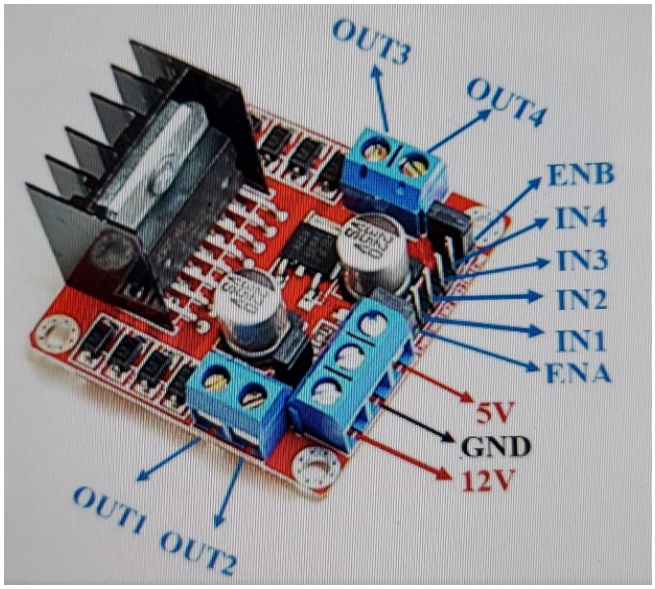


This L298N Motor Driver Module ... 78M05 5V regulator. Motors. This module consists of an L298 motor driver IC and a 78M05 5V regulator. can control up to 4 DC motors, or 2 DC motors with directional and speed control.

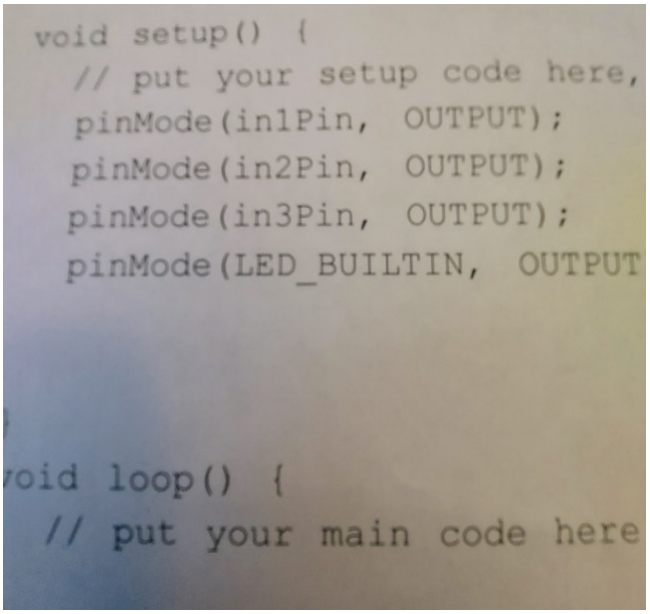
L298N Module Pinout Configuration

Pin Name	Description
IN1 & IN2	Motor A input pins. Used to control the spinning direction of Mot
IN3 & IN4	Motor B input pins. Used to control the spinning direction of Mot
ENA	Enables PWM signal for Motor A
ENB	Enables PWM signal for Motor B
OUT1 & OUT2	Output pins of Motor A
OUT3 & OUT4	Output pins of Motor B
12V	12V input from DC power Source
5V	Supplies power for the switching logic circuitry inside L298N
GND	Ground pin

L288 pins.



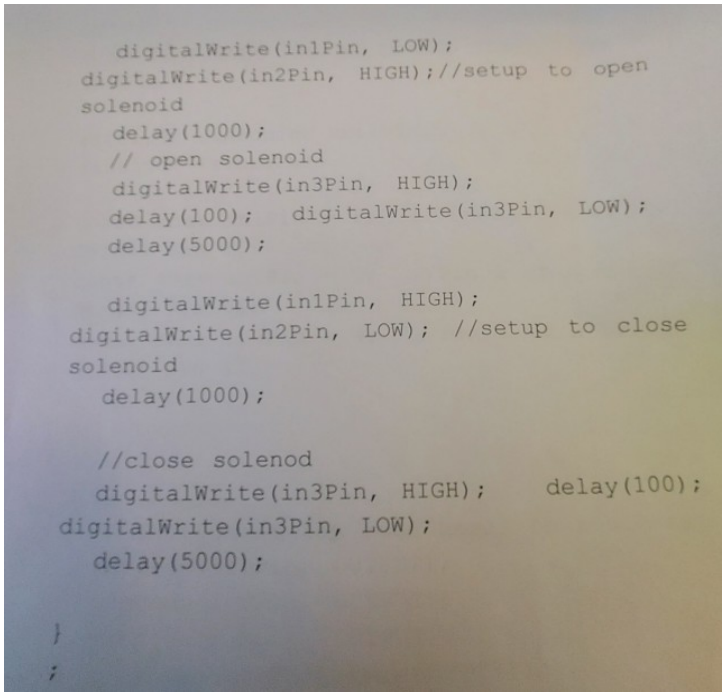
pico_w program provided by Joe Small (setup).



```
void setup() {
  // put your setup code here,
  pinMode(in1Pin, OUTPUT);
  pinMode(in2Pin, OUTPUT);
  pinMode(in3Pin, OUTPUT);
  pinMode(LED_BUILTIN, OUTPUT

oid loop() {
 // put your main code here
```

xxpico_w program provided by Joe Small (loop).



```
    digitalWrite(in1Pin, LOW);
  digitalWrite(in2Pin, HIGH);//setup to open
  solenoid
    delay(1000);
    // open solenoid
    digitalWrite(in3Pin, HIGH);
    delay(100);  digitalWrite(in3Pin, LOW);
    delay(5000);

    digitalWrite(in1Pin, HIGH);
 digitalWrite(in2Pin, LOW); //setup to close
 solenoid
   delay(1000);

   //close solenod
   digitalWrite(in3Pin, HIGH);    delay(100);
digitalWrite(in3Pin, LOW);
  delay(5000);

}
;
```

xx