

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

Initial work by Joe Small
using a pico_w programmed with Arduino IDE
L288 Motor Control

08/05/23

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

Remote5 battery level shifter L288

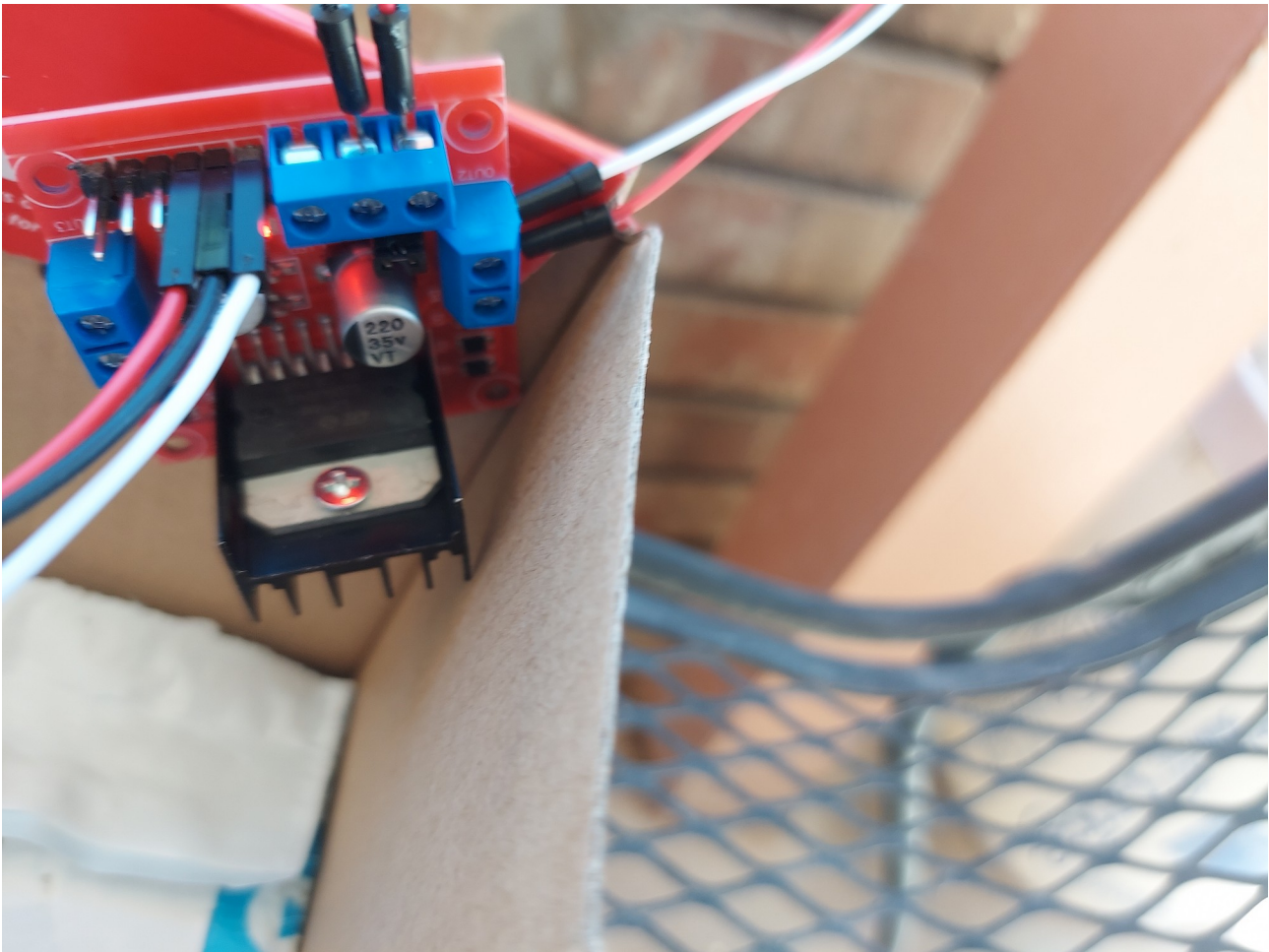


Open water flows



Closed no water flowing





L288 Components

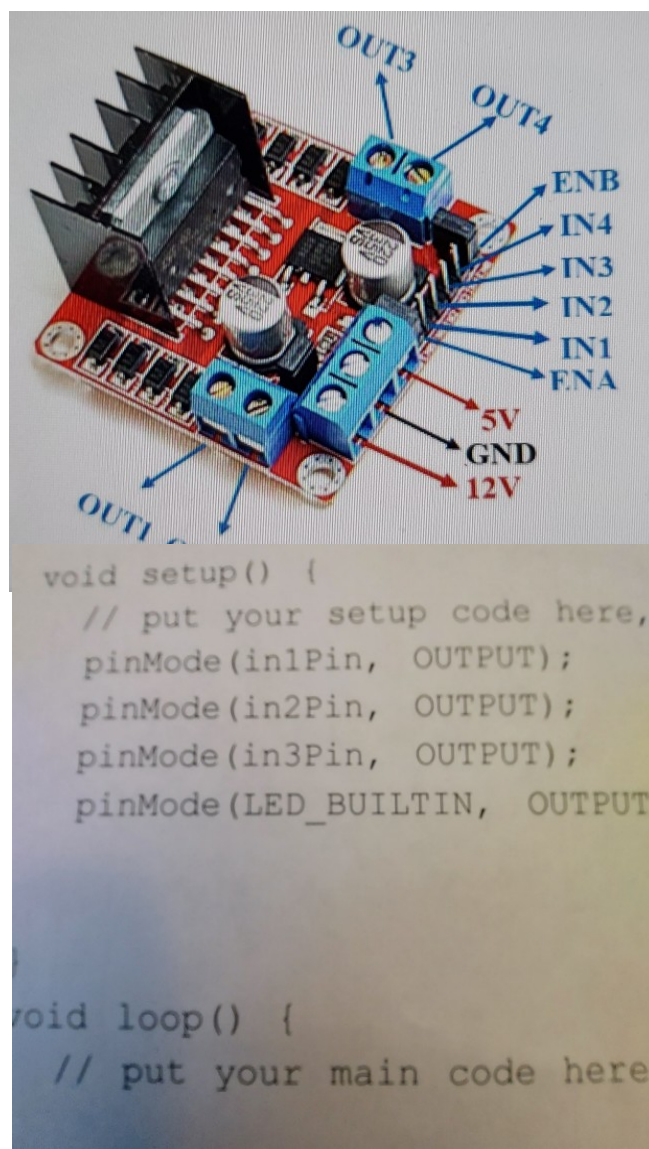
This L298N Motor Driver Module consists of an L298 motor driver IC and a 78M05 5V regulator. It can control up to 4 DC motors, or 2 DC motors with directional and speed control.

L298N Module Pinout Configuration

Pin Name	Description
IN1 & IN2	Motor A input pins. Used to control the spinning direction of Motor A
IN3 & IN4	Motor B input pins. Used to control the spinning direction of Motor B
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 description

L288 pins.



pico_w program
provided by Joe Small
(setup).

xpico_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 solenoid
    digitalWrite(in3Pin, HIGH);    delay(100);
    digitalWrite(in3Pin, LOW);
    delay(5000);

}
;
```

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