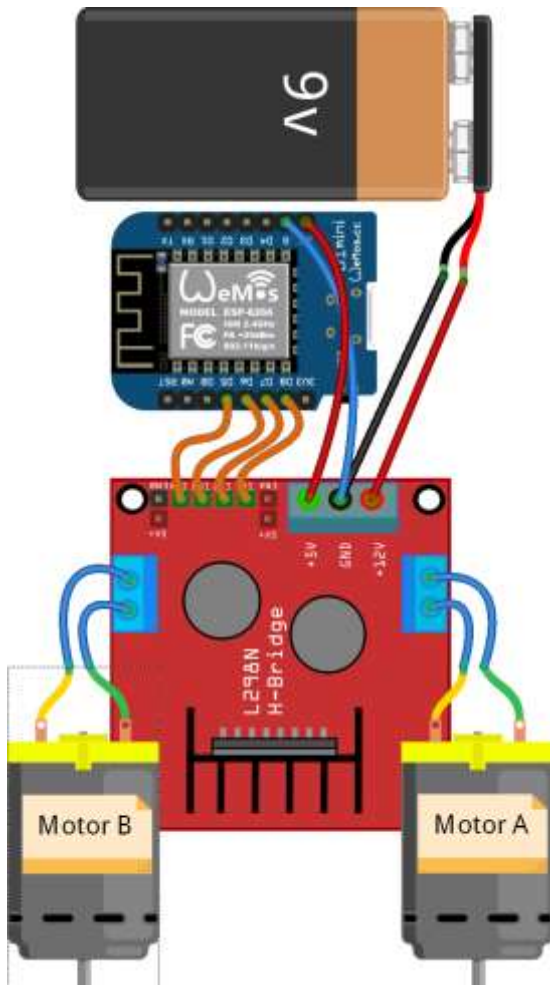
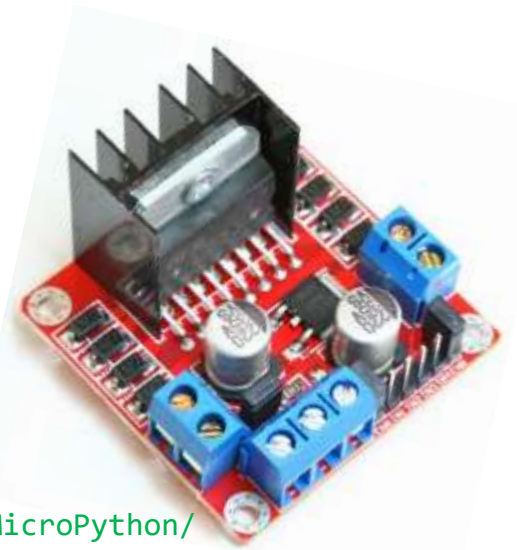




# moving around



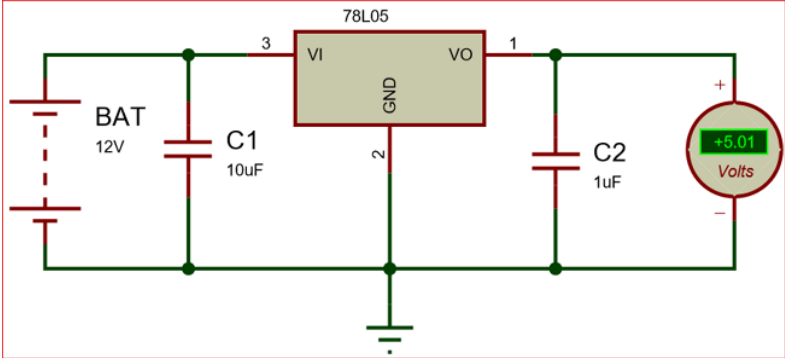
```
1 import os, gc, micropython, machine, time
2
3 # Get it from https://github.com/jpedrodias/MicroPython/
4 class MotorDC():
5     def __init__(self, EN1, EN2):
6         self.EN1 = machine.Pin(EN1, mode=machine.Pin.OUT, value=0)
7         self.EN2 = machine.Pin(EN2, mode=machine.Pin.OUT, value=0)
8     def forward(self):
9         self.EN1.value(1)
10        self.EN2.value(0)
11    def backward(self):
12        self.EN1.value(0)
13        self.EN2.value(1)
14    def stop(self):
15        self.EN1.value(0)
16        self.EN2.value(0)
17 # End class Motor
18
19 motor1 = MotorDC(13, 15) # D7 = 13, D8 = 15
20
21 motor1.forward()
22 time.sleep_ms(500)
23 motor1.stop()
24
25
```

WEMOS D1 MINI – PINOUT

The diagram shows the Wemos D1 Mini board with its pin headers. The top header includes pins 22 to 15, with labels for /GPIO1, GPIO3, GPIO5, GPIO4, GPIO0, GPIO2, GND, and 5V. The bottom header includes pins 1 to 8, with labels for /RST, ADC0, GPIO16, GPIO14, GPIO12, GPIO13, GPIO15, and 3.3V. The right side shows the I2C and SPI headers. The board features an ESP8266 chip with a model number of 802.11 b/g/n and a frequency of 2.4GHz. The board is labeled 'D1 mini' and 'Wemos.cc'.

GPIO15	GPIO0	GPIO2	Mode	Description
L	L	H	UART	Download code from UART
L	H	H	Flash	Boot from SPI Flash
H	x	x	SDIO	Boot from SD-card

78L05 – Voltage Regulator



L298N DUAL H BRIDGE DC STEPPER MOTOR CONTROLLER MODULE

