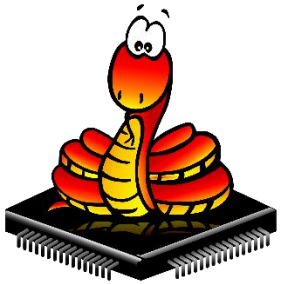
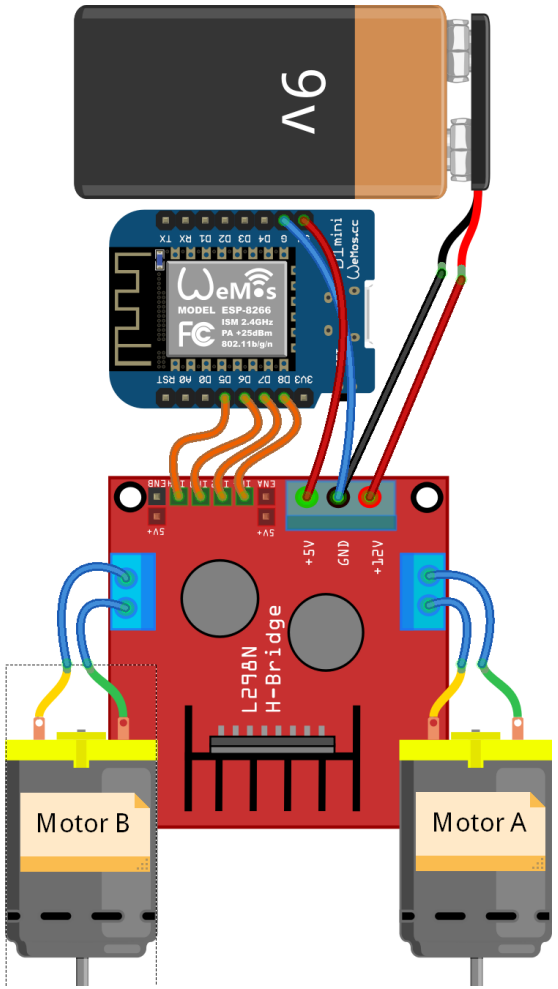


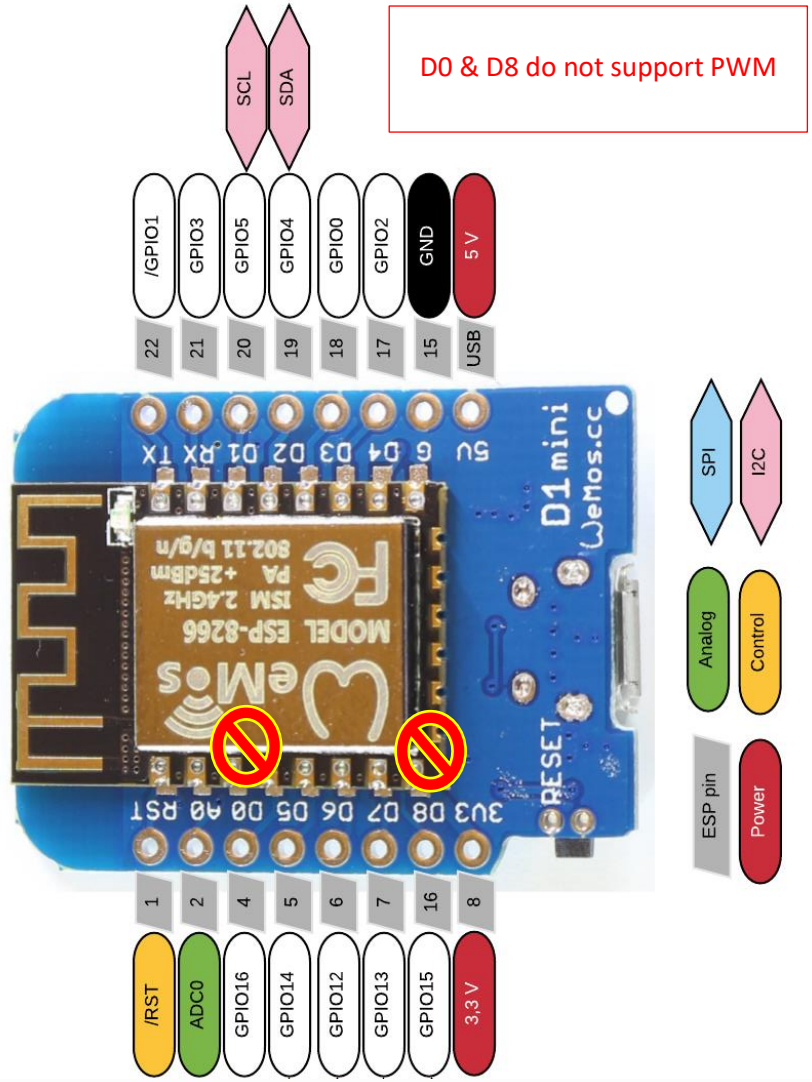
Speed control



https://micropython.org/

```
1   import os, gc, micropython, machine, time
2   from board_manager import * # D1, ... , D8
3   # Get it from https://github.com/jpedrodias/MicroPython/
4   class MotorPWM():
5     def __init__(self, EN1, EN2):
6       self.EN1 = machine.Pin(EN1, mode=machine.Pin.OUT, value=0, pull=None)
7       self.EN2 = machine.Pin(EN2, mode=machine.Pin.OUT, value=0, pull=None)
8       self.PWM1 = machine.PWM(self.EN1, freq=500)
9       self.PWM2 = machine.PWM(self.EN2, freq=500)
10      self._speed = 20
11      self._duty = 204
12    def speed(self, value=None):
13      self._speed = (value % 101)
14      self._duty = self._speed * 1024 // 100
15      return self._duty, self._speed
16    def stop(self):
17      self.PWM1.duty(0)
18      self.PWM2.duty(0)
19    def forward(self):
20      self.PWM2.duty(0)
21      self.PWM1.duty(self._duty)
22    def backward(self):
23      self.PWM1.duty(0)
24      self.PWM2.duty(self._duty)
25  #End class MotorPWM
26  motor1 = MotorPWM(D5, D6)
```

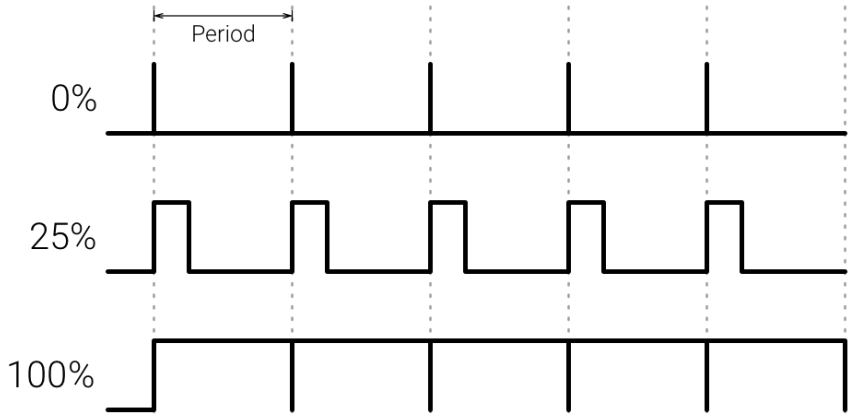
WEMOS D1 MINI – PINOUT



D0 & D8 do not support PWM

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

PWM – Pulse Width Modulation



L298N DUAL H BRIDGE DC STEPPER MOTOR CONTROLLER MODULE