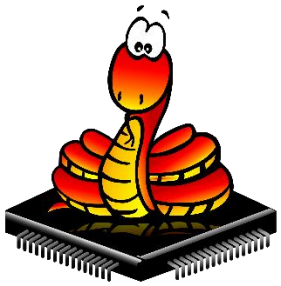
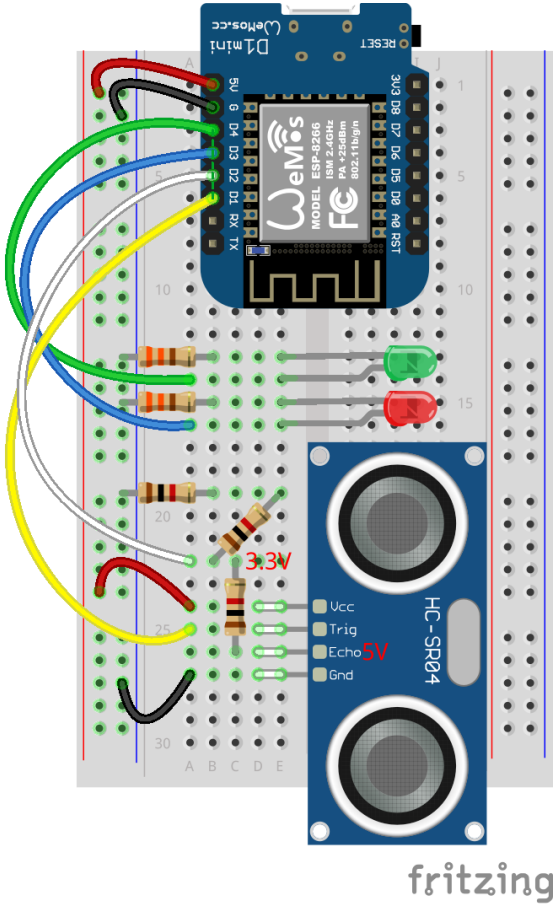


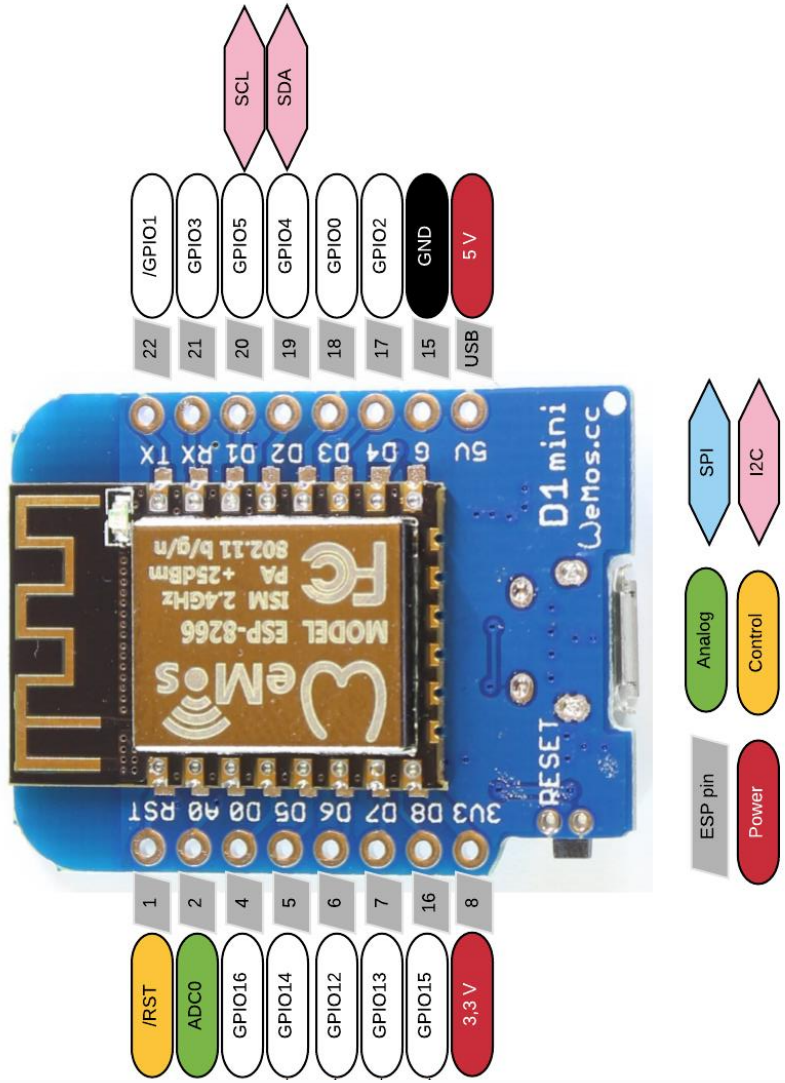
parking radar




```
1   from machine import Pin
2   from time import sleep_ms
3
4   D4 = 2 # to connect to the green led
5   D3 = 0 # to connect to the red led
6   D2 = 4 # to connect to ECHO on HC-SR04
7   D1 = 5 # to connect to TRIGGER HC-SR04
8
9   green = Pin( D4, Pin.OUT, value=0 )
10  red = Pin( D3, Pin.OUT, value=0 )
11
12  # Get it from https://github.com/jpedrodias/MicroPython
13  class HCSR04():
52  #End of HCSR04
…
60  sensor = HCSR04( trigger=D1, echo=D2 )
61
62  ALERT_DISTANCE = 10
63  loops = 10000//50
64  while loops:
65    sensor.read()
66    obstacle = sensor.distance_cm < ALERT_DISTANCE
67    green.value( not obstable )
68    red.value( obstacle )
69    sleep_ms( 50 )
70    loops = loops - 1 # comment this line to run forever
```

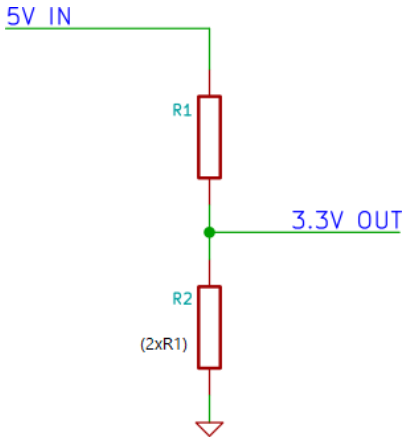
https://micropython.org/

WEMOS D1 MINI – PINOUT



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

Voltage divider



Ultrasonic Distance Sensor (HC-SR04)