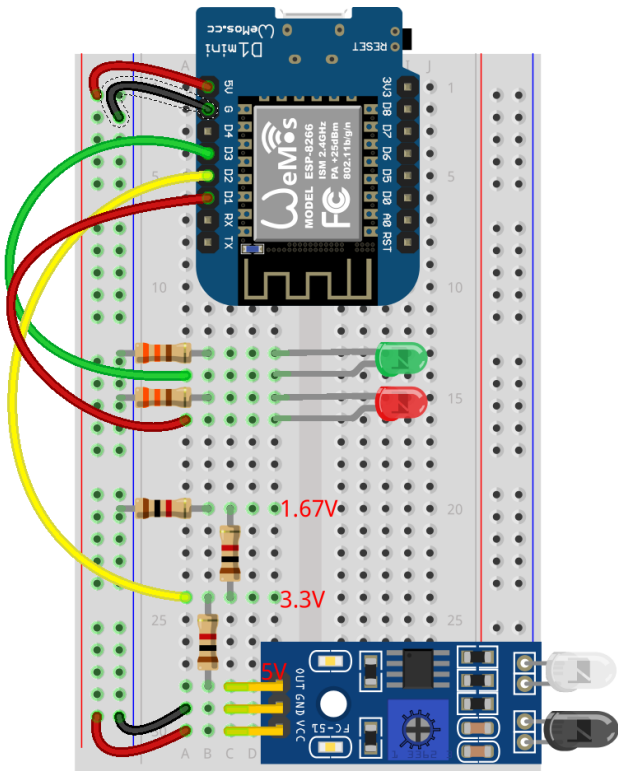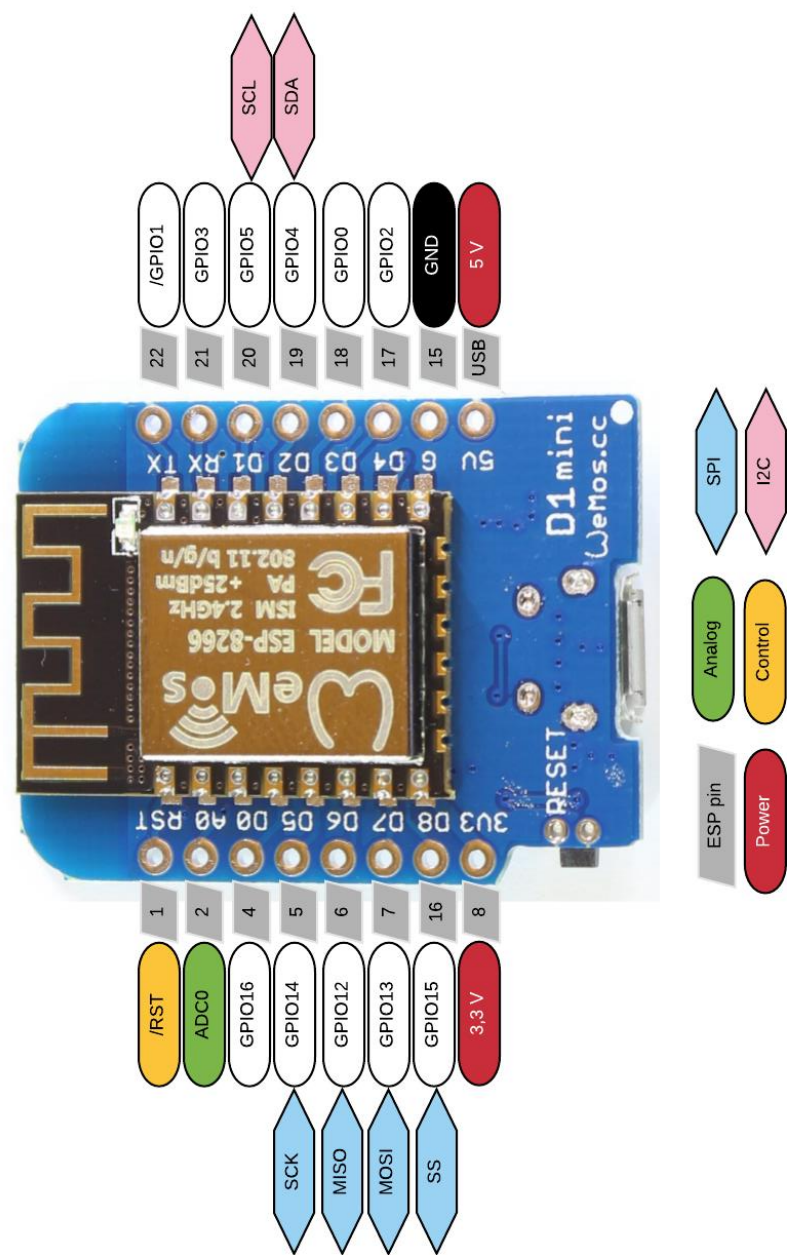# parking light

```python
1   from machine import Pin
2   from time import sleep_ms
3
4   D4 = 2
5   D3 = 0 # to connect to the green led
6   D2 = 4 # to connect to the obstacle sensor
7   D1 = 5 # to connect to the red led
8
9   green = Pin( D3, Pin.OUT )
10  red = Pin( D1, Pin.OUT )
11  sensor = Pin( D2, Pin.IN )
12
13  loops = 3
14  while loops:
15
16      obstacle = sensor.value()
17
18      green.value( not obstable )
19      red.value( obstacle )
20      print( obstacle )
21      sleep_ms( 250 )
22      loops = loops - 1 # comment this line to run forever
23
24
25
```

1.67V

3.3V

5V

fritzing

https://micropython.org/

WEMOS D1 MINI – PINOUT

Voltage divider

SCL	SDA

/GPIO1	GPIO3	GPIO5	GPIO4	GPIO0	GPIO2	GND	5 V
22	21	20	19	18	17	15	USB

SPI	I2C
Analog	Control
ESP pin	Power

/RST	ADC0	GPIO16	GPIO14	GPIO12	GPIO13	GPIO15	3.3 V
1	2	4	5	6	7	16	8

SCK	MISO	MOSI	SS

5V IN

R1

3.3V OUT

R2

(2xR1)