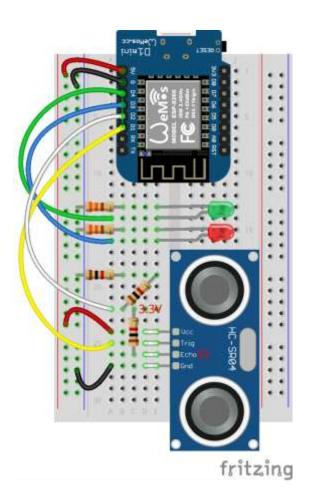


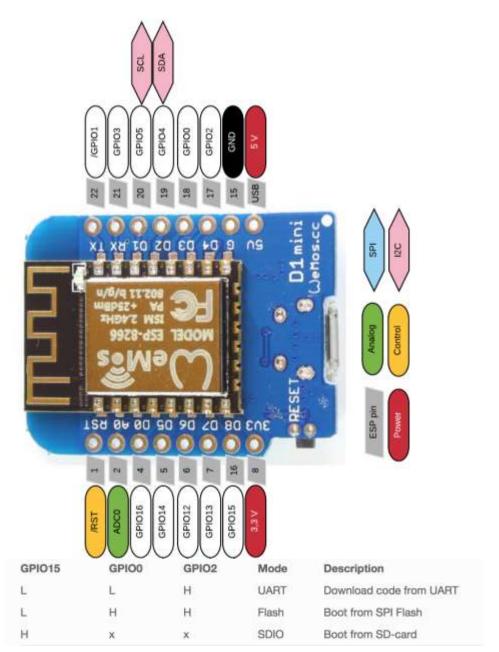
## parking radar

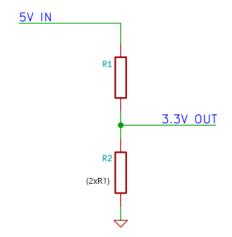




```
from machine import Pin
   from time import sleep ms
3
   from board manager import *
   from sensor manager import Sensor HCSR04
7 green = Pin( D4, Pin.OUT, value=0 )
   red = Pin( D3, Pin.OUT, value=0 )
   sensor = Sensor HCSR04( trigger=D1, echo=D2 )
11
   ALERT DISTANCE = 10
   loops = 10000//50
   while loops:
15
     sensor.read()
     obstacle = sensor.distance_cm < ALERT_DISTANCE</pre>
16
17
     green.value( not obstable )
      red.value( obstacle )
18
      sleep ms( 50 )
19
     loops = loops - 1 # comment this line to run forever
20
21
22
23
24
25
26
```

WEMOS D1 MINI – PINOUT Voltage divider





Ultrasonic Distance Sensor (HC-SR04)

