Publisher

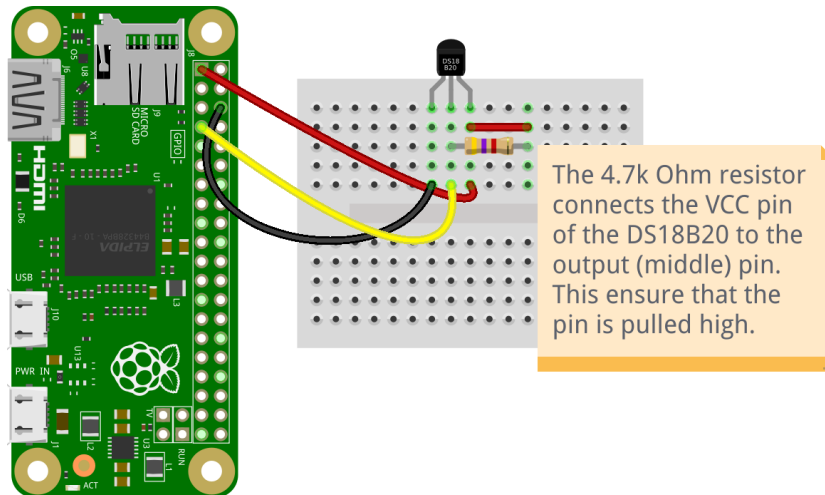The 4.7k Ohm resistor connects the VCC pin of the DS18B20 to the output (middle) pin. This ensure that the pin is pulled high.

fritzing

```
import time

import paho.mqtt.client as mqtt

from w1thermsensor import W1ThermSensor

sensor = W1ThermSensor()

client = mqtt.Client()

client.connect("192.168.1.147", 1883, 60)

while True:

    temp = sensor.get_temperature()

    client.publish("temperature",temp)

    print(temp)

    time.sleep(10)
```