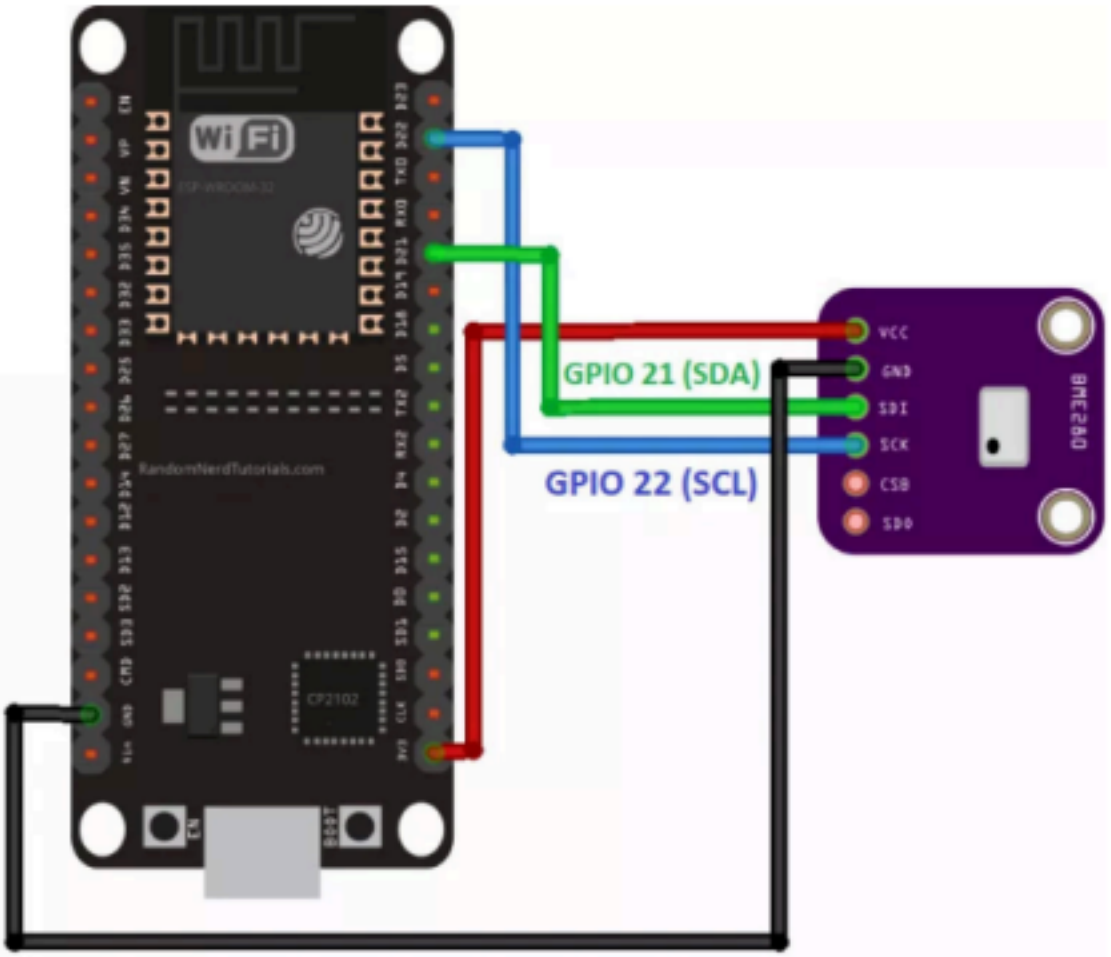


BME280 CONEXIOAK ESP32

BME280	ESP32
Vin	3.3V
GND	GND
SCL	GPIO 22
SDA	GPIO 21

KONEXIOAK=

VCC= Sentsorearen elikadura. Normalean 3.3 V (ez da 5 V-ekin zuzenean bateragarria).

SDI= (Serial Data In)
Datuak sartzeko pina.
SPI-n MOSI da.
SCK= (Serial Clock)
SPI komunikazioko erloju-seinalea.

CSB= (Chip Select Bar)

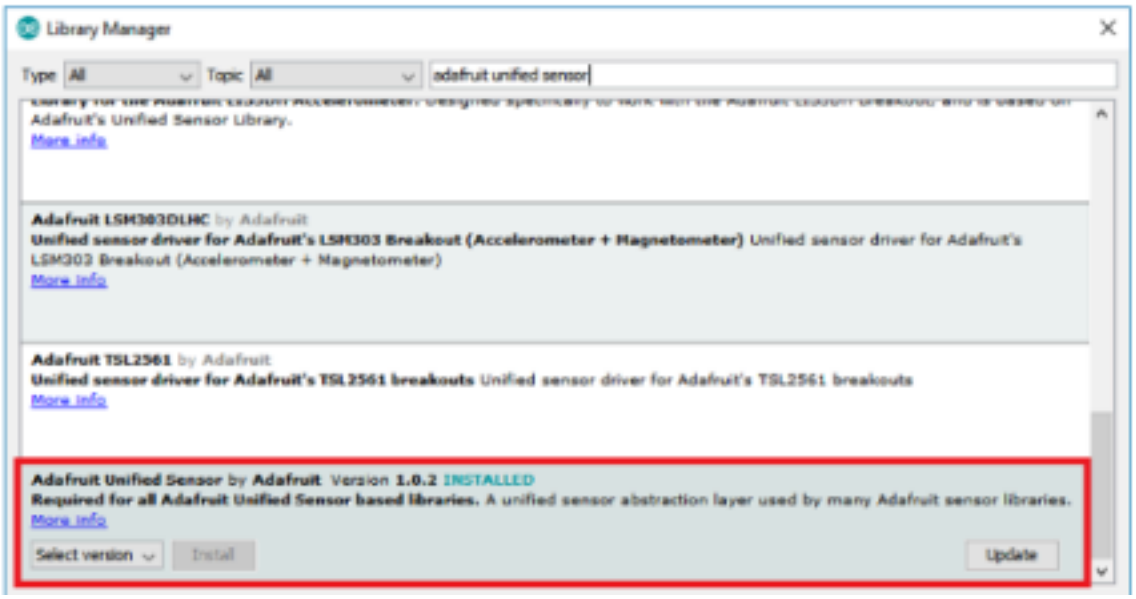
SPI gailua hautatzeko pina.
LOW (0 V) dagoenean aktibatzen da.

SDO= (Serial Data Out)
Datuak ateratzeko pina.
SPI-n MISO da.

Installing the Adafruit_Sensor library

To use the BME280 library, you also need to install the Adafruit_Sensor library. Follow the next steps to install the library in your Arduino IDE:

Go to **Sketch** > **Include Library** > **Manage Libraries** and type "**Adafruit Unified Sensor**" in th search box. Scroll all the way down to find the library and install it.




```
#include <Wire.h>
#include <Adafruit_Sensor.h>
#include <Adafruit_BME280.h>

#define SDA_PIN 21
#define SCL_PIN 22

Adafruit_BME280 bme; // I2C
void setup() {
  Serial.begin(115200);
  Wire.begin(SDA_PIN, SCL_PIN);

  if (!bme.begin(0x76)) { // prueba también 0x77 si no funciona
```

```
    Serial.println("No se encontró el sensor BME280"); while
    (1);
  }

  Serial.println("BME280 iniciado
correctamente"); }

void loop() {
  Serial.print("Temperatura: ");
  Serial.print(bme.readTemperature());
  Serial.println(" °C");

  Serial.print("Humedad: ");
  Serial.print(bme.readHumidity());
  Serial.println(" %");

  Serial.print("Presión: ");
  Serial.print(bme.readPressure() / 100.0F);
  Serial.println(" hPa");

  Serial.println("-------------------------");
  delay(2000);
}
```