

## Task 2.4: I2C Master Slave communication

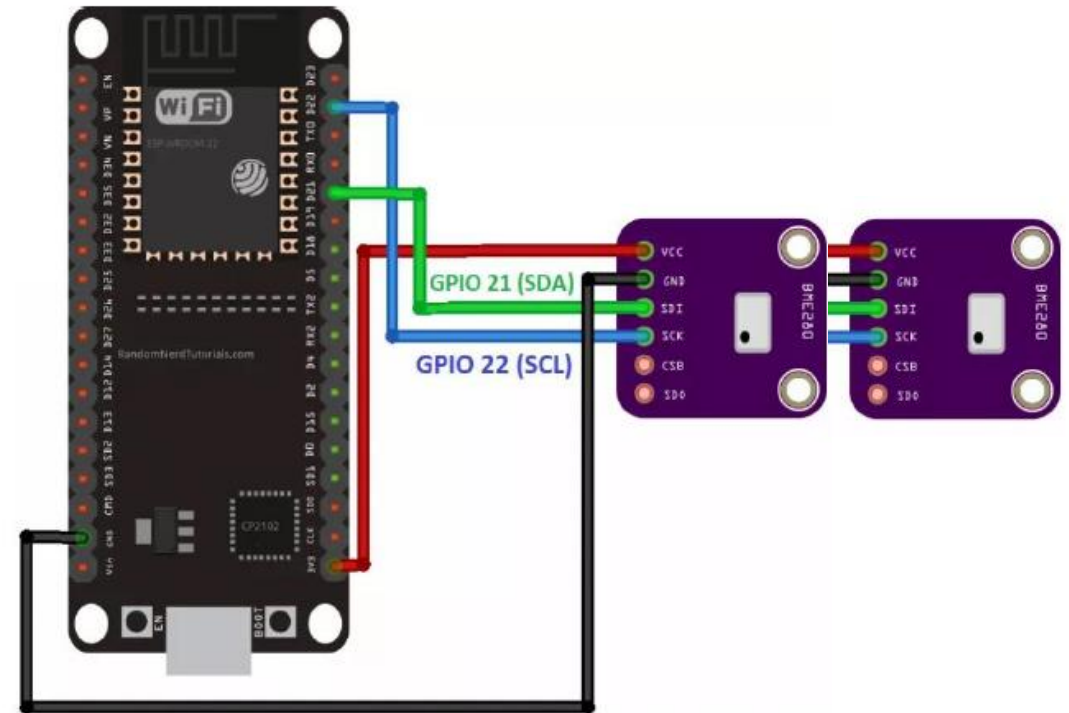


Connect two BME280, or one BME280 and one BMP280 to the same I2C bus.

Problem is, both slaves have the same I2C address.

See the Adafruit homepage how to change the address easily. Use the alternative I2C address!

<https://learn.adafruit.com/i2c-addresses/the-list>

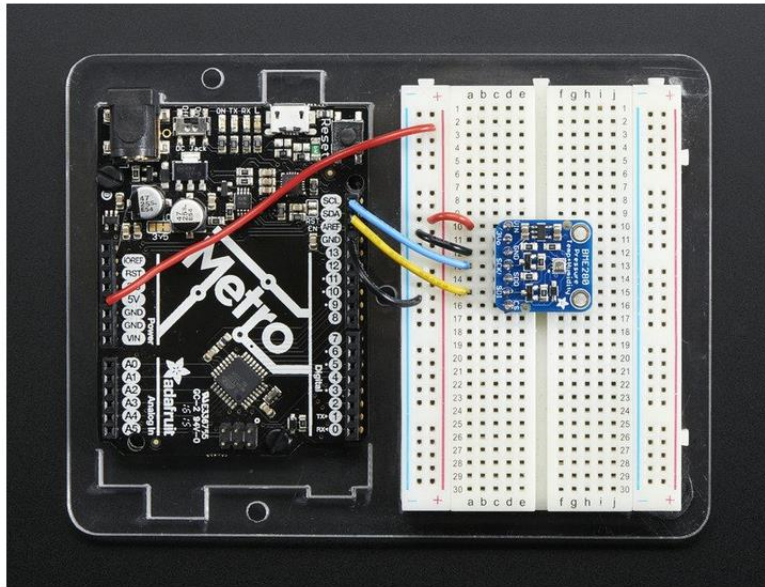


*This schematic uses the ESP32 DEVKIT DOIT board version with 36 GPIOs. Before assembling the circuit double-check the pinout for the board you're using.*

## Solution A

Use this wiring if you want to connect via I2C interface

- By default, the i2c address is 0x77. If you add a jumper from SDO to GND, the address will change to 0x76.



Pin16 and 17 can used as i2c interface as well  
Pin17 = SDA, Pin18 = SCL

