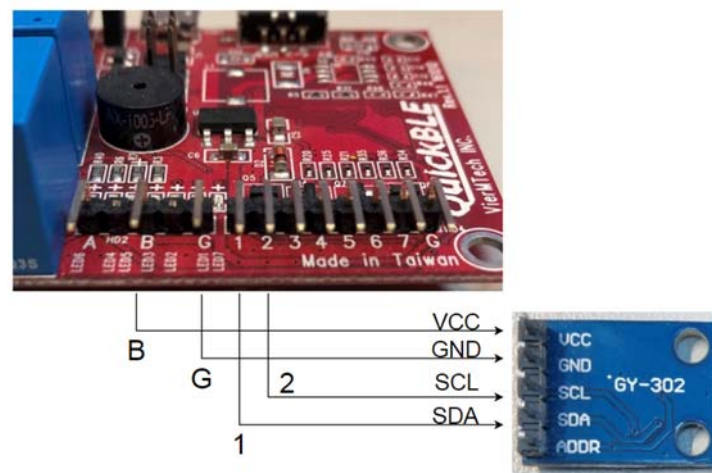
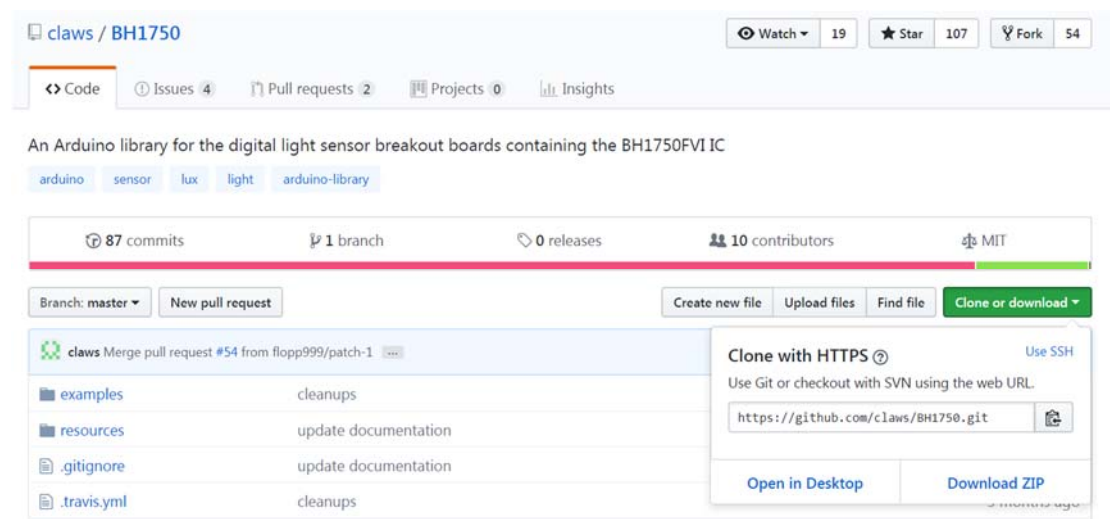


QuickBLE EVB BH1750 GY302 I2C Wire 教學 20190218

- 1 使用前請先完成，需要加入開發板資料於 **Arduino IDE** 中
[QuickBLE Nrf51822 Arduino IDE/QuickBLE_EVB_Serial 使用教學.pdf](https://github.com/VierMTech/QuickBLE_Nrf51822_Arduino_IDE/blob/master/QuickBLE_EVB_Serial%E4%BD%BF%E7%94%A8%E6%95%99%E5%AD%B8.pdf)
https://github.com/VierMTech/QuickBLE_Nrf51822_Arduino_IDE/blob/master/QuickBLE_EVB_Serial%E4%BD%BF%E7%94%A8%E6%95%99%E5%AD%B8.pdf
- 2 參考範例於
QuickBLE_Nrf51822_Arduino_IDE\Quickble_Serial_I2CWire_Demo 目錄中
- 3 根據如下圖接線



- 4 從 Github 下載 zip
<https://github.com/claws/BH1750>



- 5 根據教學，安裝函式庫。
<https://github.com/claws/BH1750>

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6 程式碼加入

```
#include <Wire.h>
#include <BH1750.h>
```

Include HB1750和WIRE

```
BH1750 lightMeter;
```

宣告lightMeter

```
void setup(){
```

```
    Serial.begin(9600);
```

```
    // Initialize the I2C bus (BH1750 library doesn't do this automatically)
```

```
    // On esp8266 devices you can select SCL and SDA pins using Wire.begin(D4, D3);
```

```
    Wire.begin();
```

初始化WIRE及BH1750

```
    lightMeter.begin();
```

```
    Serial.println(F("BH1750 Test"));
```

```
}
```

```
void loop() {
```

```
    float lux = lightMeter.readLightLevel();
```

讀取並印出資料

```
    Serial.print("Light: ");
```

```
    Serial.print(lux);
```

```
    Serial.println(" lx");
```

```
    delay(1000);
```

```
}
```