

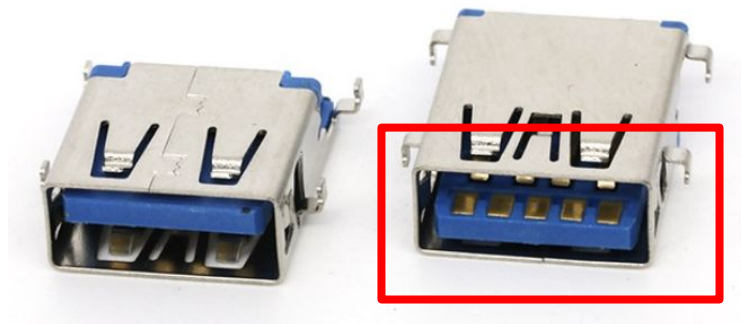
先行軟體安裝手冊

有鑒於安裝時間太長，當天才裝會壓縮上課時間
請有自備筆電的同學先依照以下步驟裝好軟體

- 需要電腦上有 Type A 接口

如果你的筆電沒有 Type A 接口

請在上課前請準備好轉接頭



Type A

(一般隨身碟接口就是 Type A)

- 轉接頭依據自己電腦有的孔選擇

如 Type C 轉 Type A



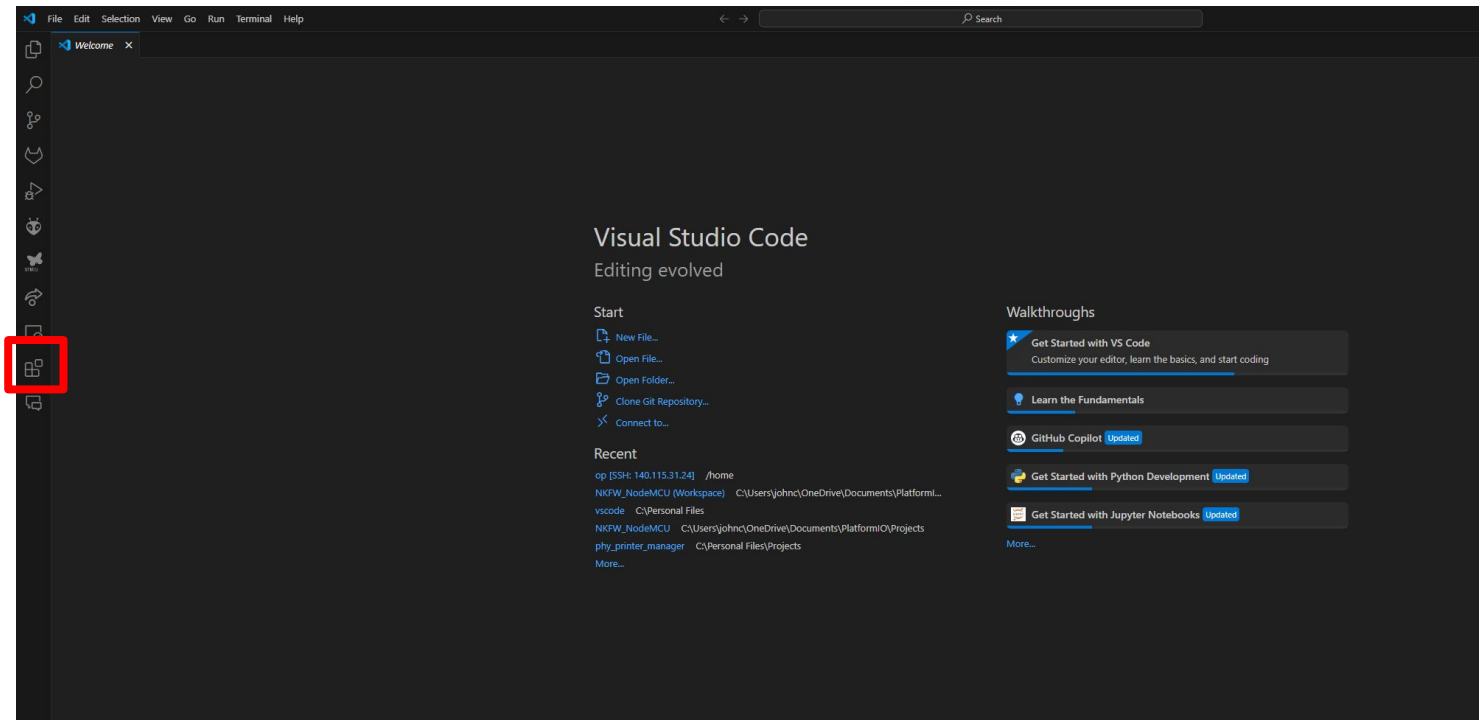
Type C

安裝 Platformio 流程

● 安裝 Platformio 流程 – 1

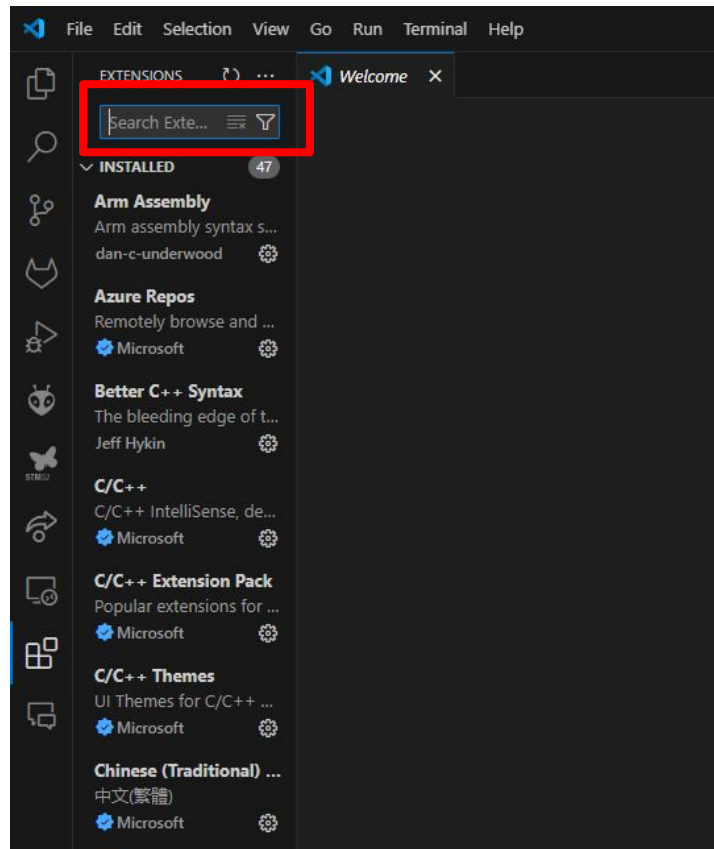
打開 Visual Studio Code

左側選擇



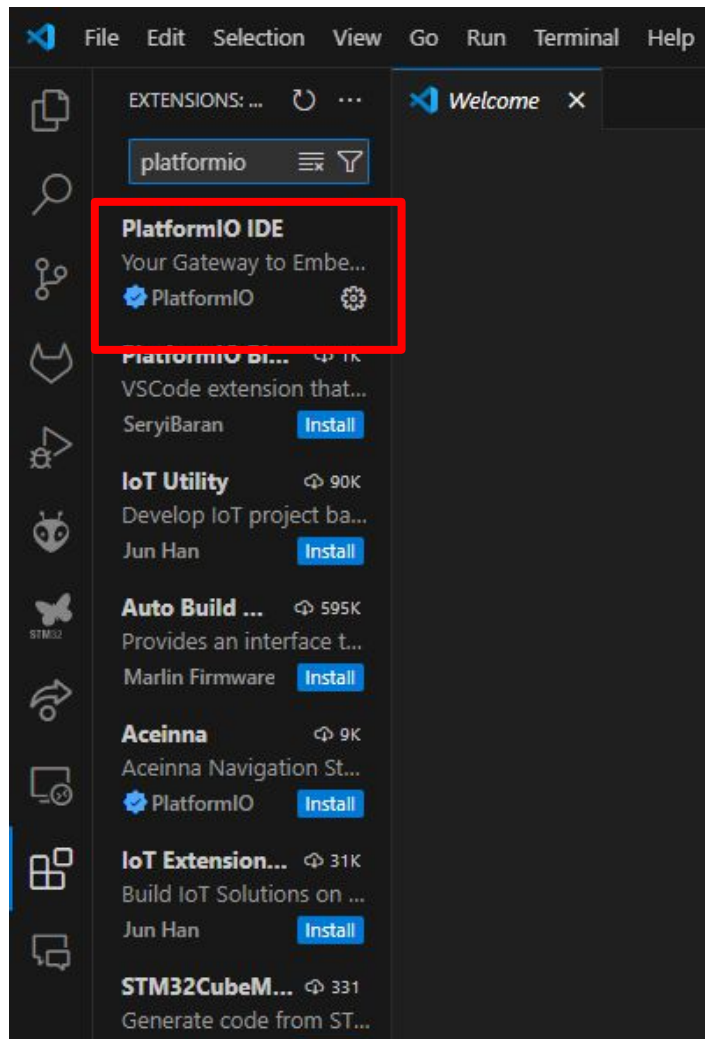
● 安裝 Platformio 流程 – 2

左上角搜尋欄位打 platformio



- 安裝 Platformio 流程 – 3

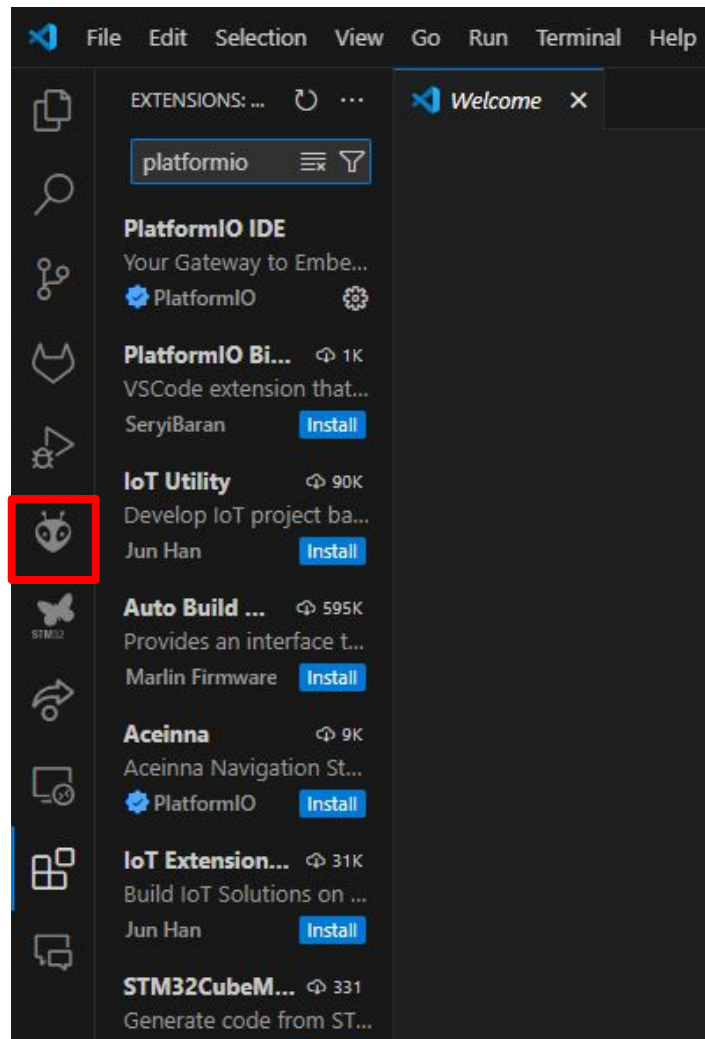
找到 PlatformIO IDE → 按藍色的安裝
(我裝過了所以沒有藍色的安裝)



● 安裝 Platformio 流程 – 4

重開visual studio code

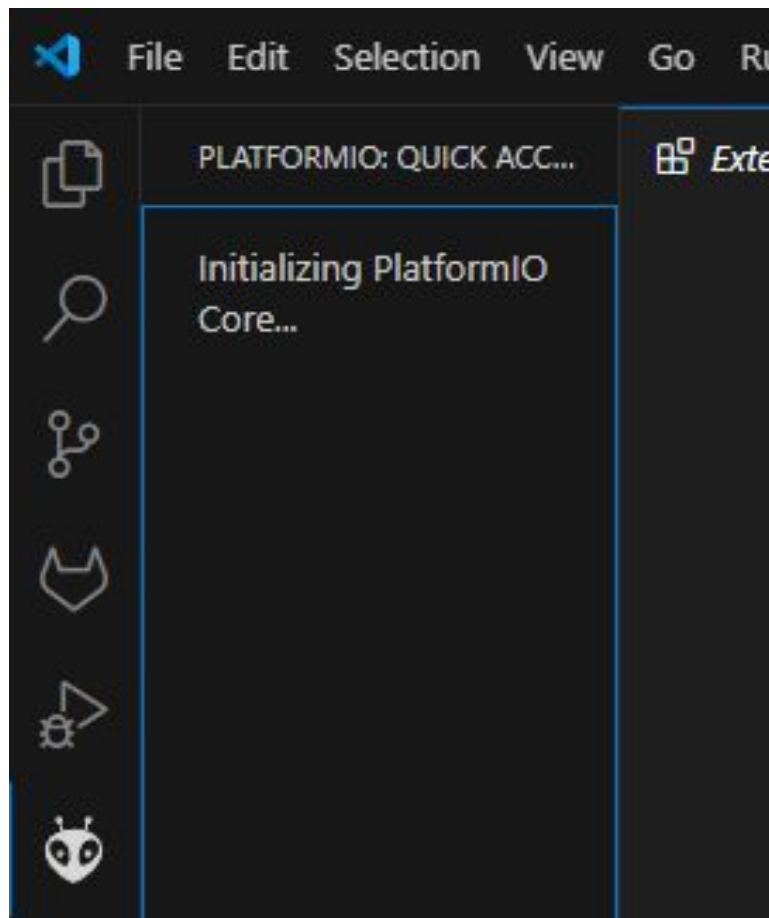
→ 按下紅色框框裏面的按鈕



- 安裝 Platformio 流程 – 5

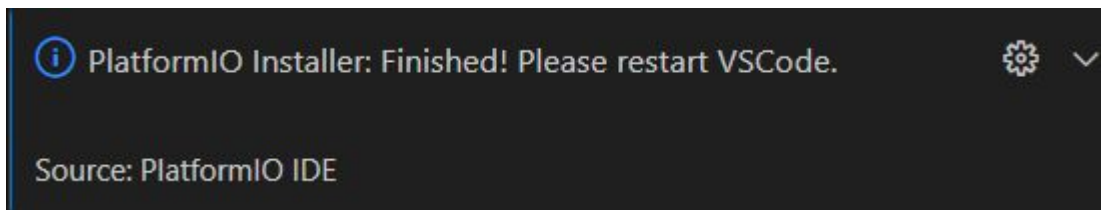
出現 Initializing PlatformIO Core...

讓他跑一下



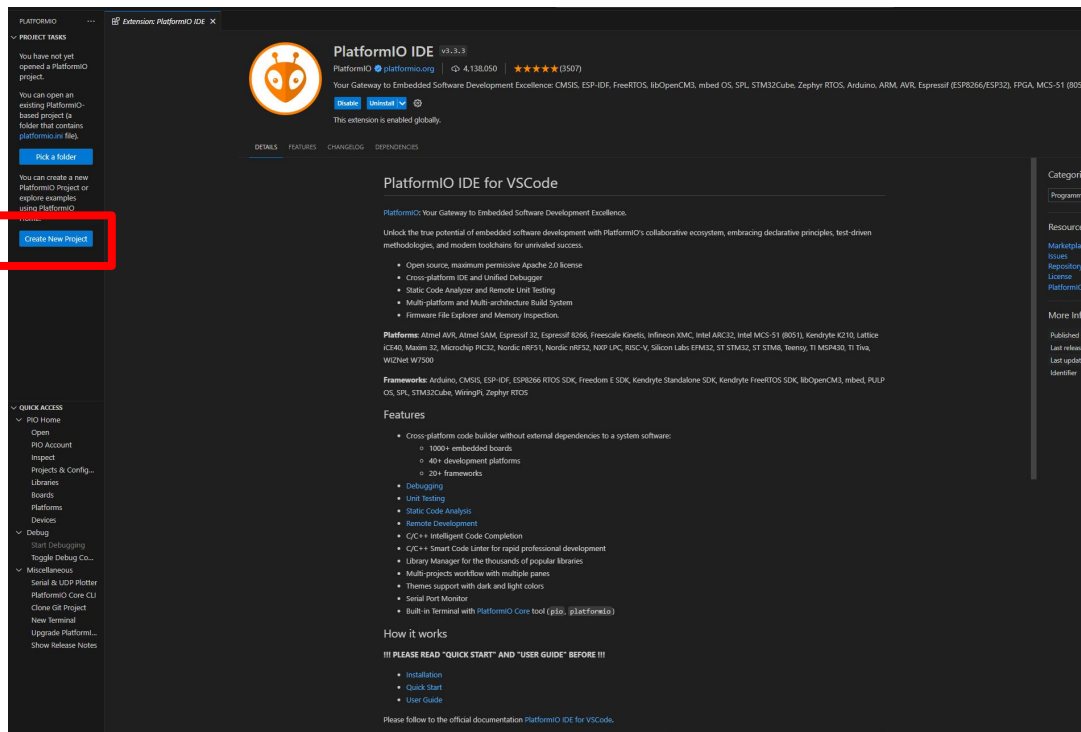
- 安裝 Platformio 流程 – 6

安裝完了就會在右下角看到這個，接著重開 VSCODE



● 安裝 Platformio 流程 – 7

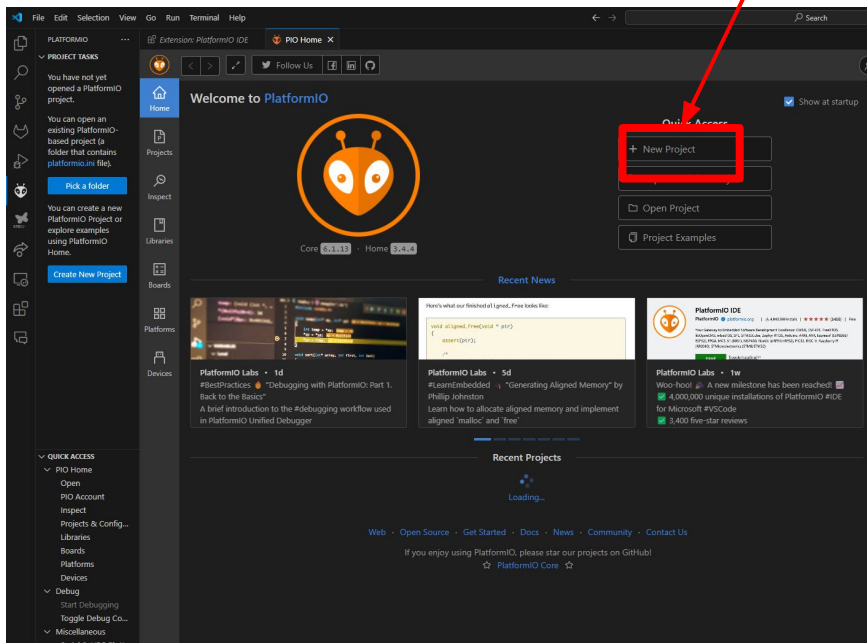
重開 VSCODE 出現這個畫面



按 Create New Project

● 安裝 Platformio 流程 – 8

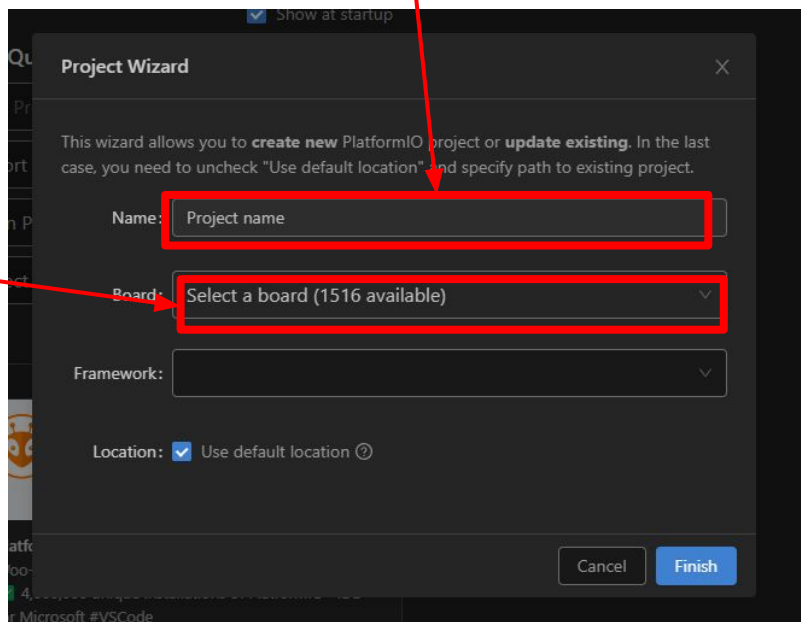
按 + New Project



- 安裝 Platformio 流程 – 9

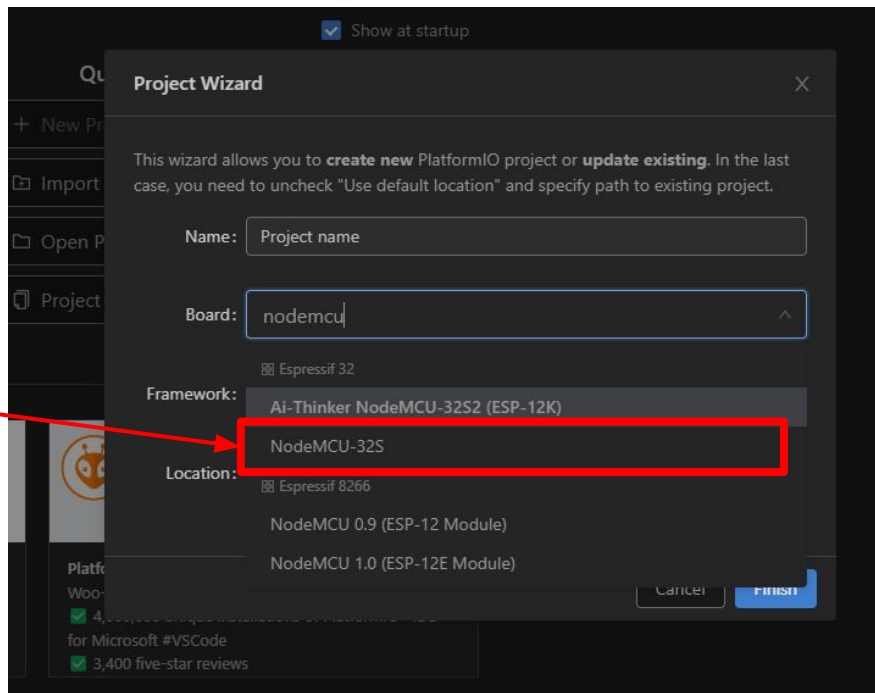
Name 這格填 nkfwtest

Board 這格打
nodemcu



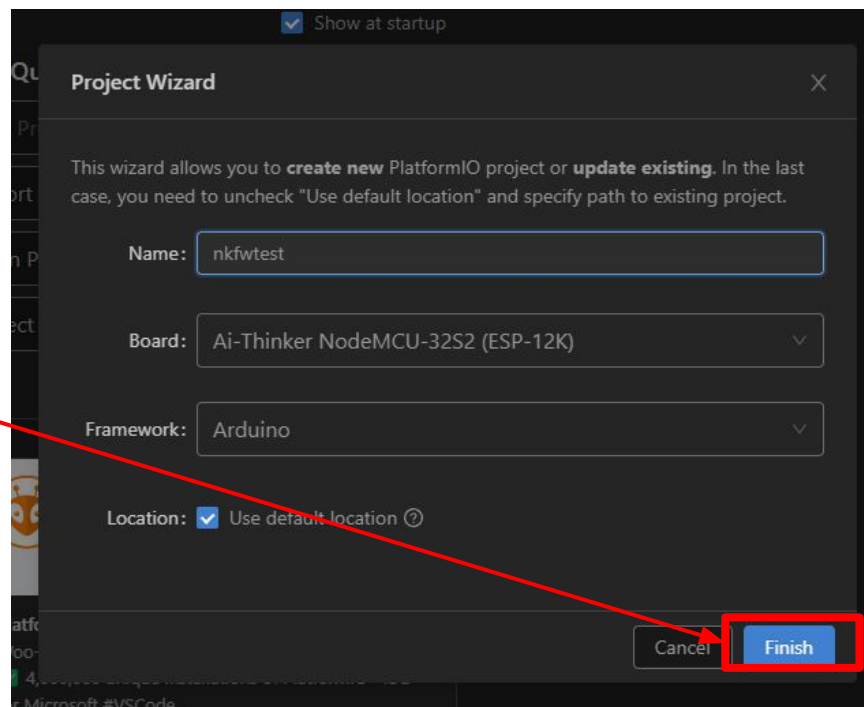
● 安裝 Platformio 流程 – 10

在選單中選擇
NodeMCU-32S



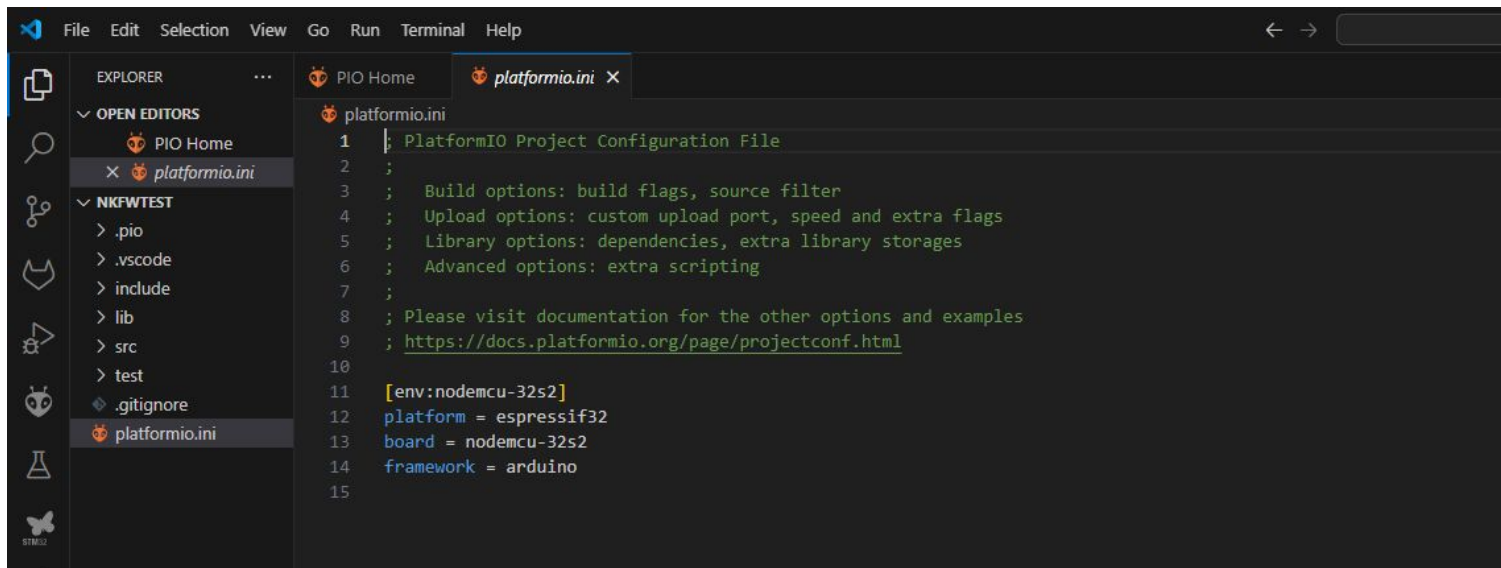
- 安裝 Platformio 流程 – 11

點 Finish



● 安裝 Platformio 流程 – 完成

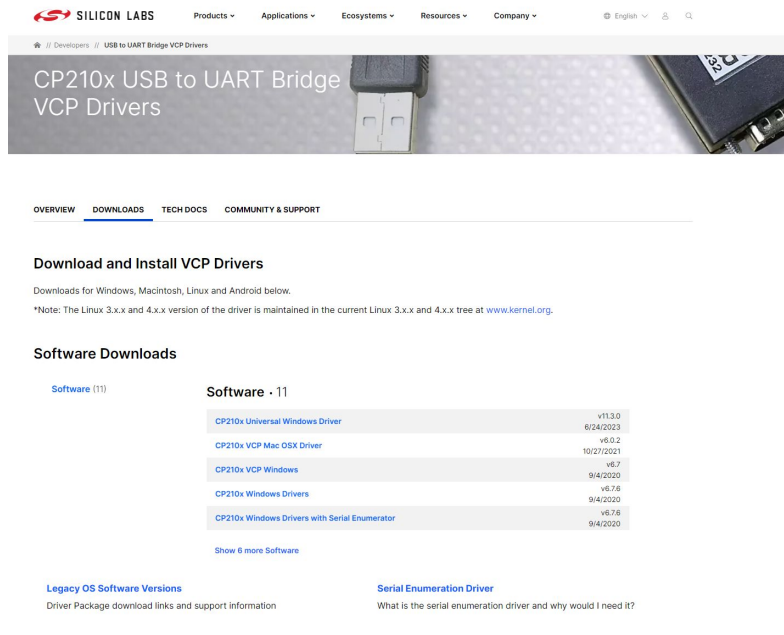
看到這個就代表安裝完了！



安裝 CP210X 流程

● 安裝 CP210X 流程 – 1

到以下的網站 : <https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers?tab=downloads>



The screenshot shows the Silicon Labs website for CP210x USB to UART Bridge VCP Drivers. The page has a navigation bar with links for Products, Applications, Ecosystems, Resources, and Company. Below the navigation bar, there's a breadcrumb trail: Developers > USB to UART Bridge VCP Drivers. The main heading is "CP210x USB to UART Bridge VCP Drivers". Below this, there's a tabbed interface with "OVERVIEW", "DOWNLOADS", "TECH DOCS", and "COMMUNITY & SUPPORT". The "DOWNLOADS" tab is active. The section is titled "Download and Install VCP Drivers" and includes a note about Linux 3.x.x and 4.x.x versions. Below this, there's a "Software Downloads" section with a table of software versions and a link to "Show 6 more Software".

SILICON LABS Products Applications Ecosystems Resources Company English

Developers / USB to UART Bridge VCP Drivers

CP210x USB to UART Bridge VCP Drivers

OVERVIEW **DOWNLOADS** TECH DOCS COMMUNITY & SUPPORT

Download and Install VCP Drivers

Downloads for Windows, Macintosh, Linux and Android below.

*Note: The Linux 3.x.x and 4.x.x version of the driver is maintained in the current Linux 3.x.x and 4.x.x tree at www.kernel.org.

Software Downloads

[Software \(11\)](#)

Software - 11

CP210x Universal Windows Driver	v11.3.0 6/24/2023
CP210x VCP Mac OSX Driver	v6.0.2 10/27/2021
CP210x VCP Windows	v6.7 9/4/2020
CP210x Windows Drivers	v6.7.6 9/4/2020
CP210x Windows Drivers with Serial Enumerator	v6.7.6 9/4/2020

[Show 6 more Software](#)

[Legacy OS Software Versions](#) [Serial Enumeration Driver](#)

Driver Package download links and support information What is the serial enumeration driver and why would I need it?

● 安裝 CP210X 流程 – 2

不要裝到 UNIVERSAL 的！

CP210x VCP Mac OSX Driver	MAC裝這個	v6.0.2 10/27/2021
CP210x Windows Drivers	Windows裝這個	v6.7.6 9/4/2020

- 安裝 CP210X 流程 – 3

下載的檔案長這樣(windows)



CP210x_Windows_Drivers (1)

3/26/2024 3:17 PM

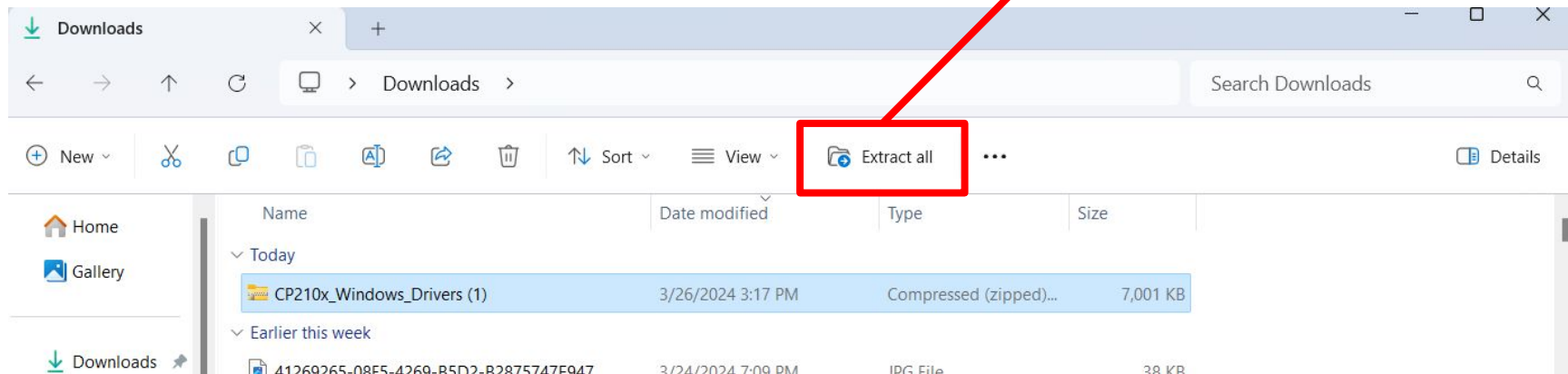
Compressed (zipped)...

7,001 KB

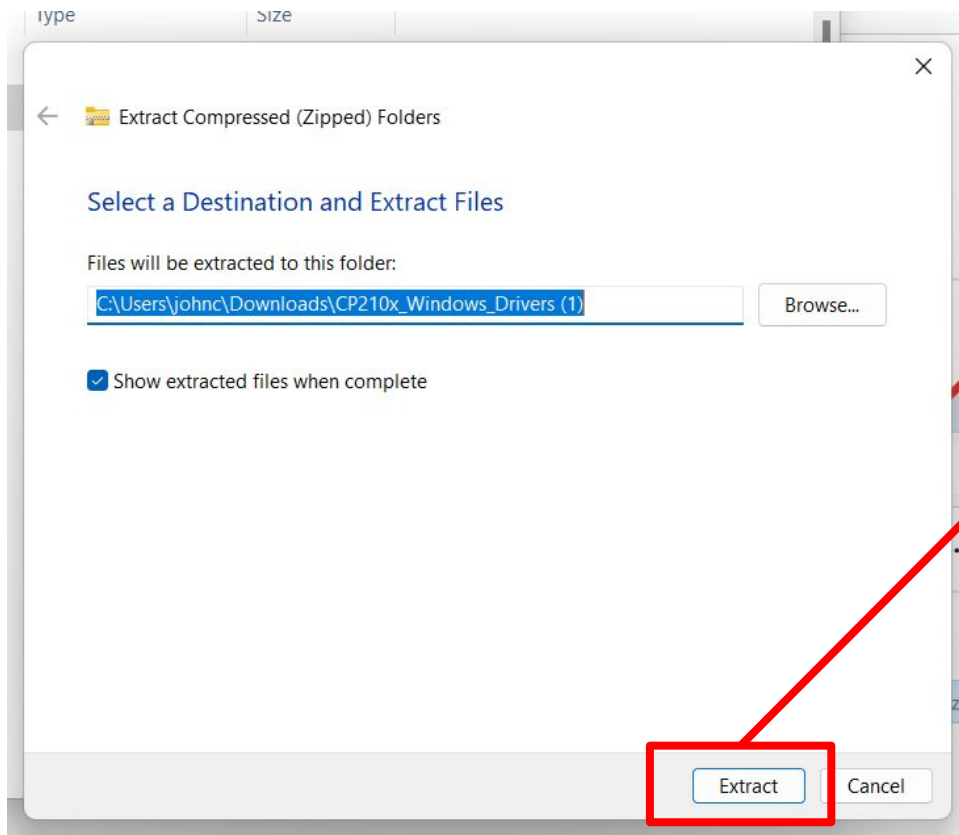
● 安裝 CP210X 流程 – 4

選取檔案(windows)

按解壓縮



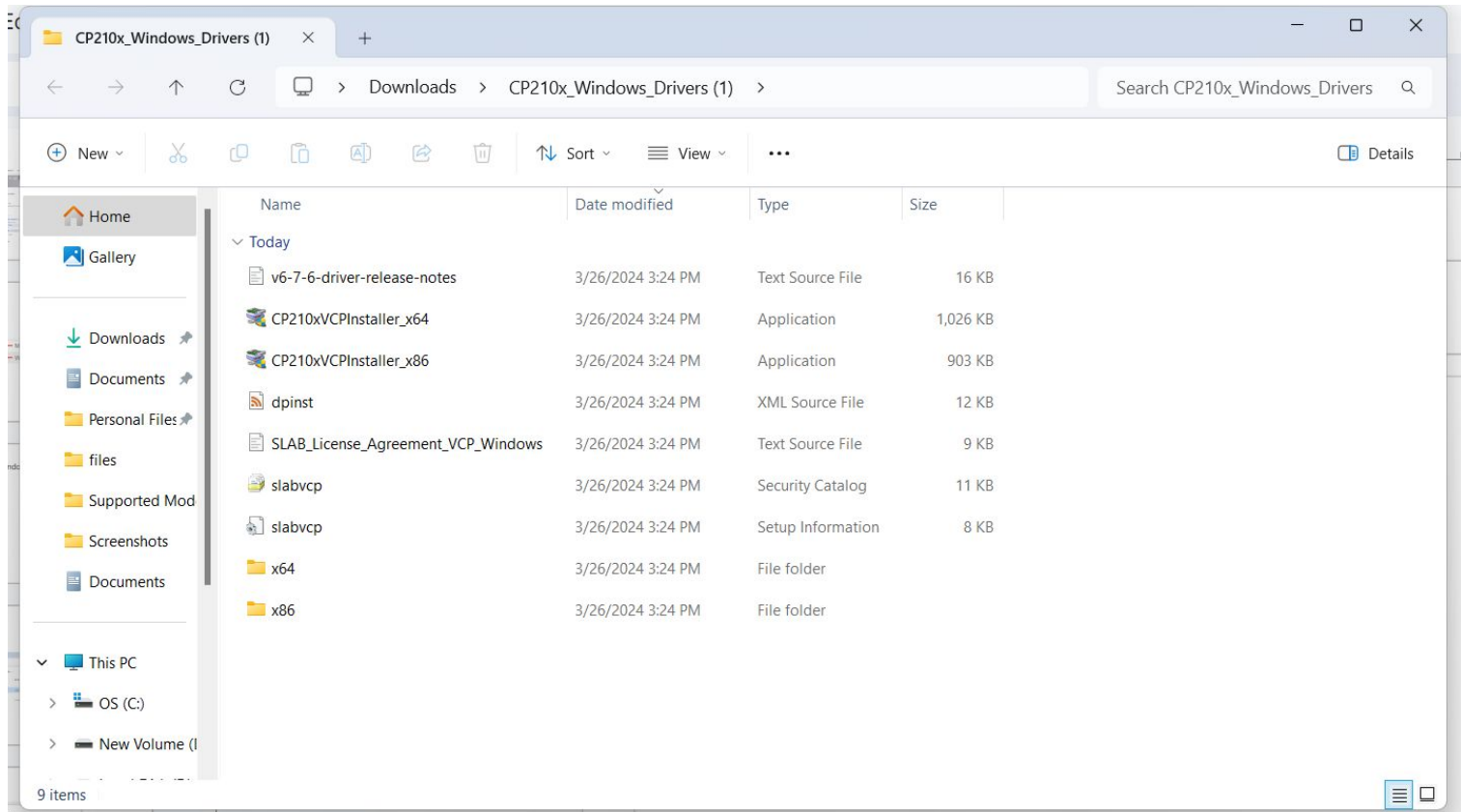
● 安裝 CP210X 流程 – 5



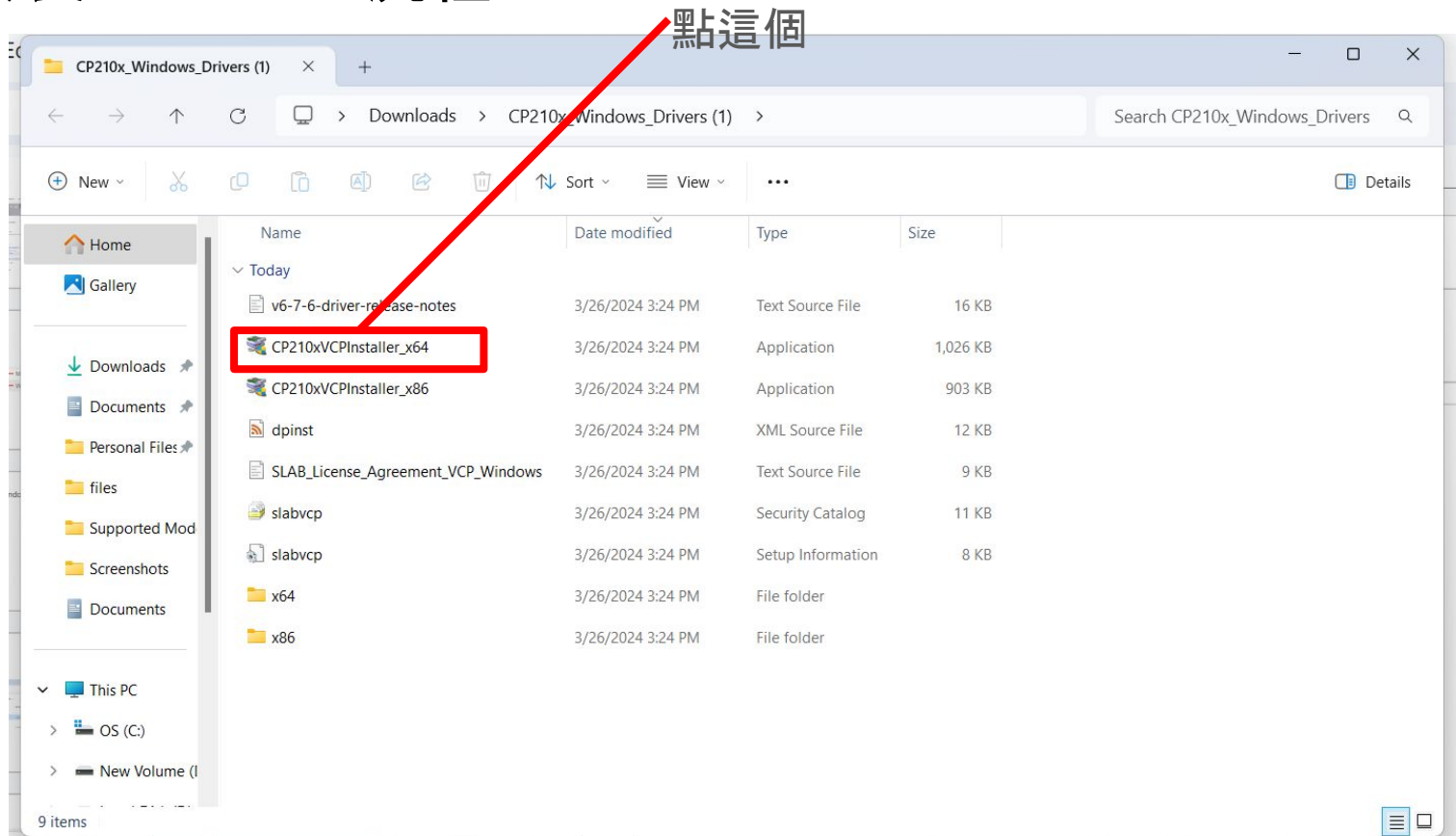
按解壓縮

● 安裝 CP210X 流程 – 6

解壓縮之後畫面



● 安裝 CP210X 流程 – 7

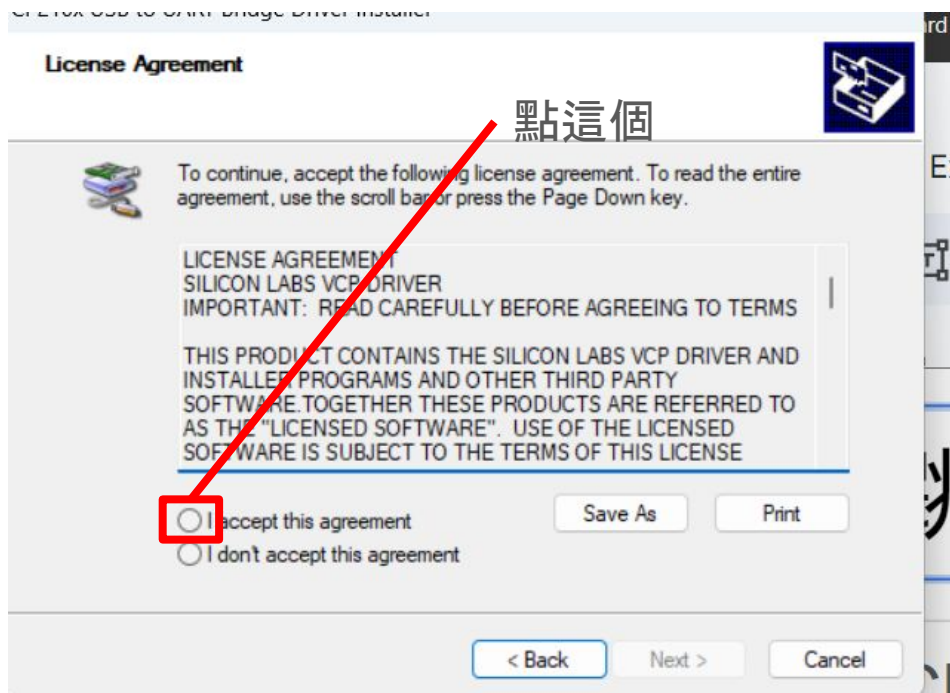


- 安裝 CP210X 流程 – 8

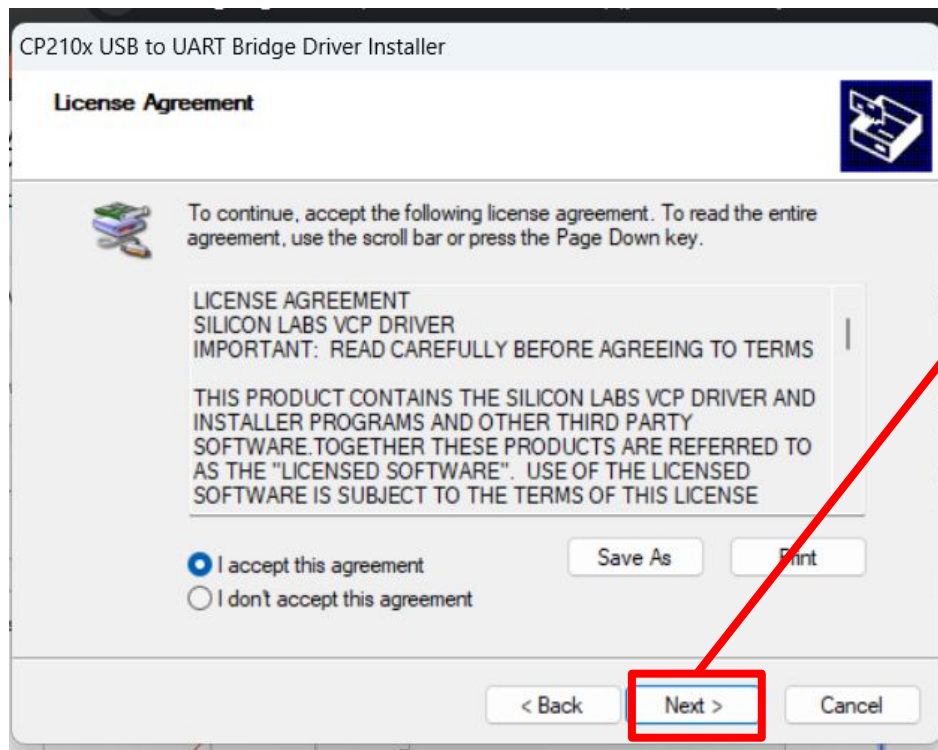


點這個

- 安裝 CP210X 流程 – 9

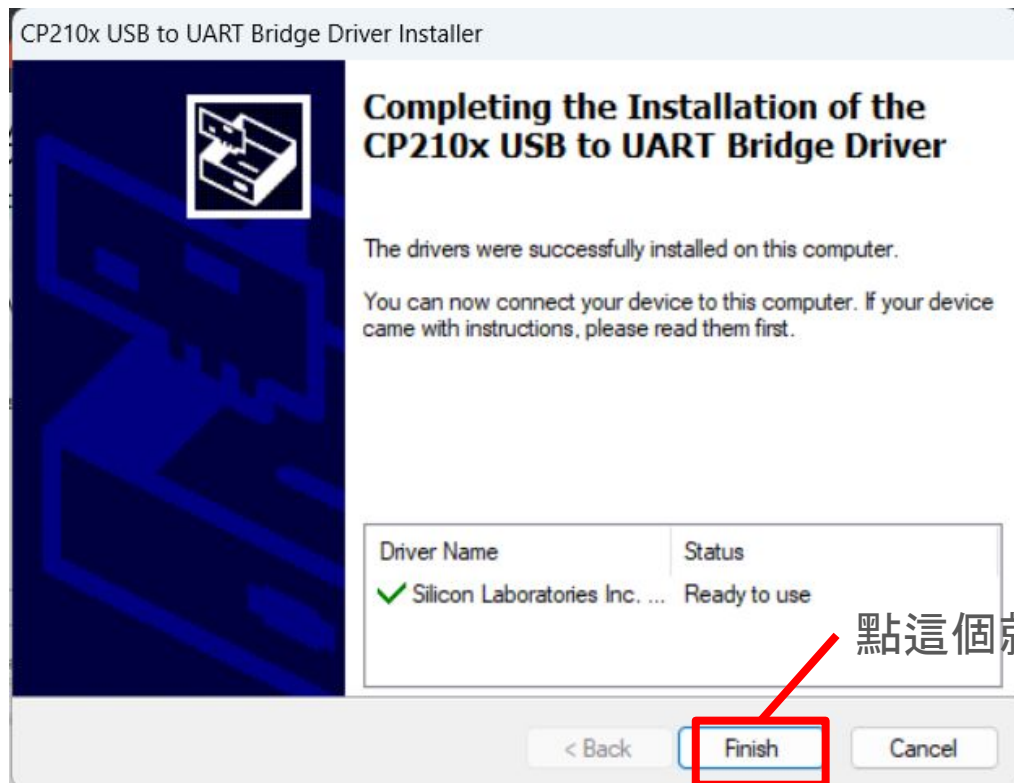


- 安裝 CP210X 流程 – 10



點這個

- 安裝 CP210X 流程 – 完成



點這個就完成了

禮拜六再見啦！