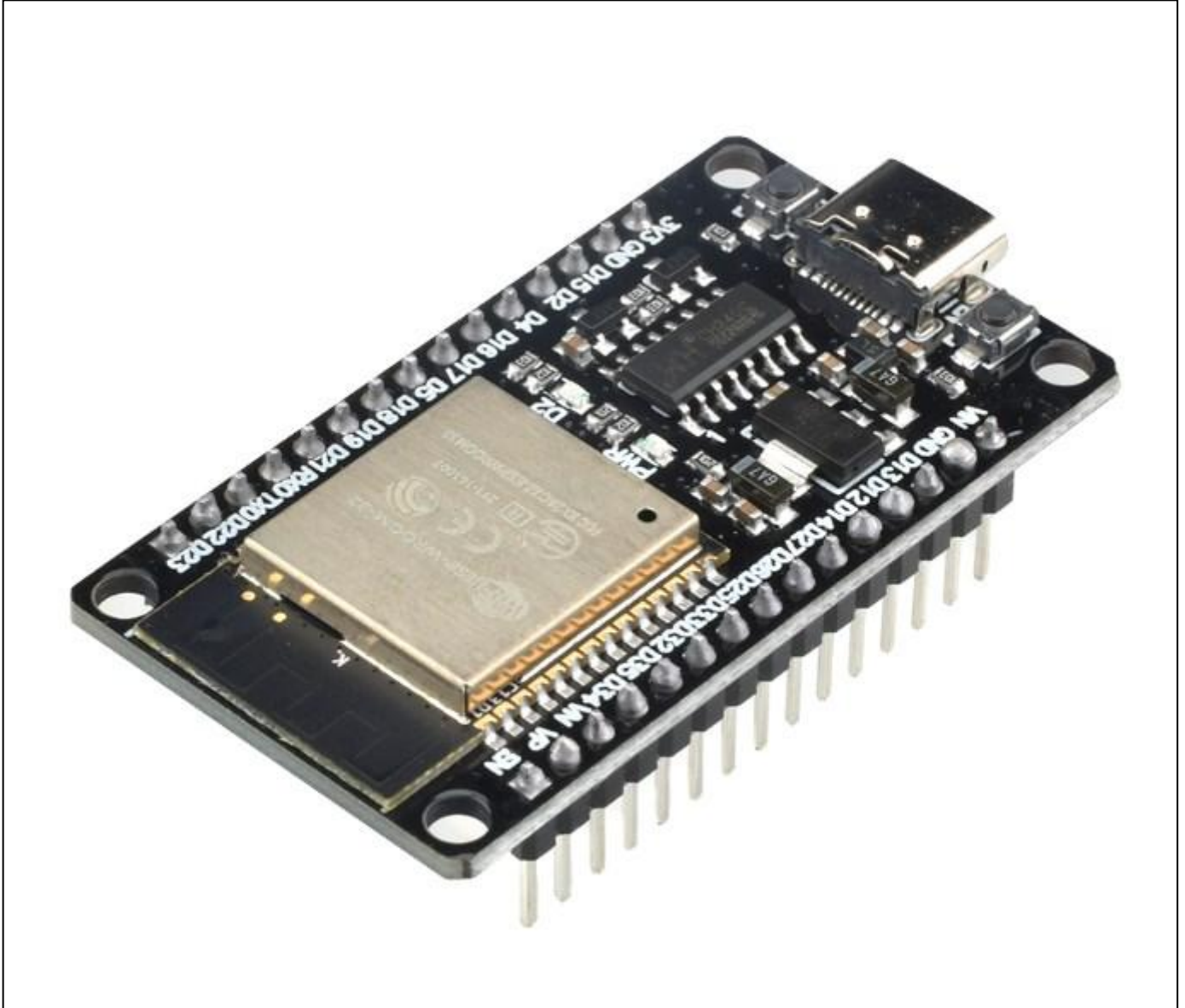


# ESP32 Development Board



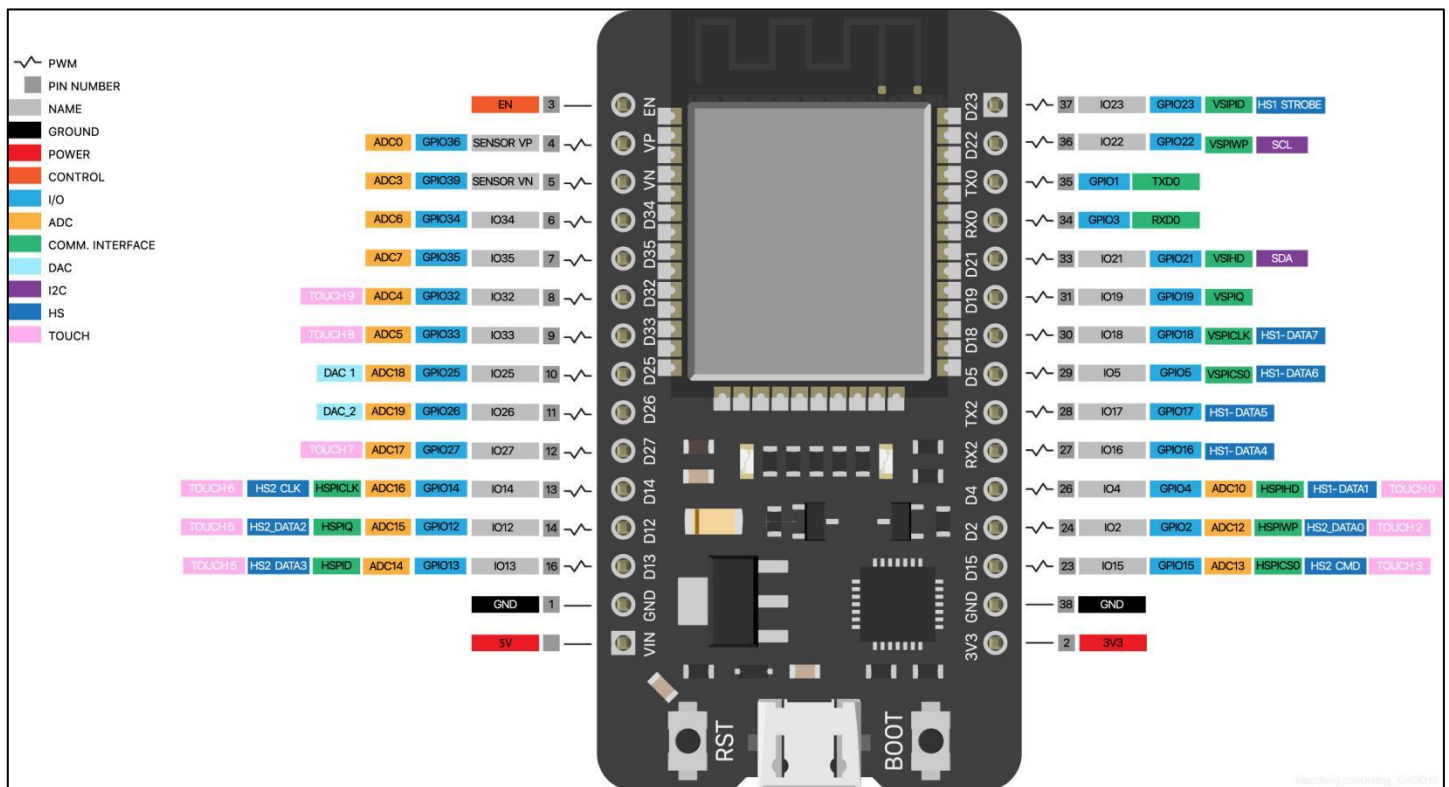
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## Specifications

Power supply voltage (USB)	5V DC
Input/Output voltage	3.3V DC
Operating current required	min. 500mA
SoC	ESP32-WROOM-32
Clock frequency range	80MHz / 240MHz
RAM	512kB
External flash memory	4MB
Communication interfaces	SPI, I2C, I2S, CAN, UART
Wi-Fi protocols	802.11 b/g/n
Wi-Fi frequency	2.4 GHz - 2.5 GHz
Bluetooth	V4.2 BLE and Classic Bluetooth
USB to serial chip	CH340

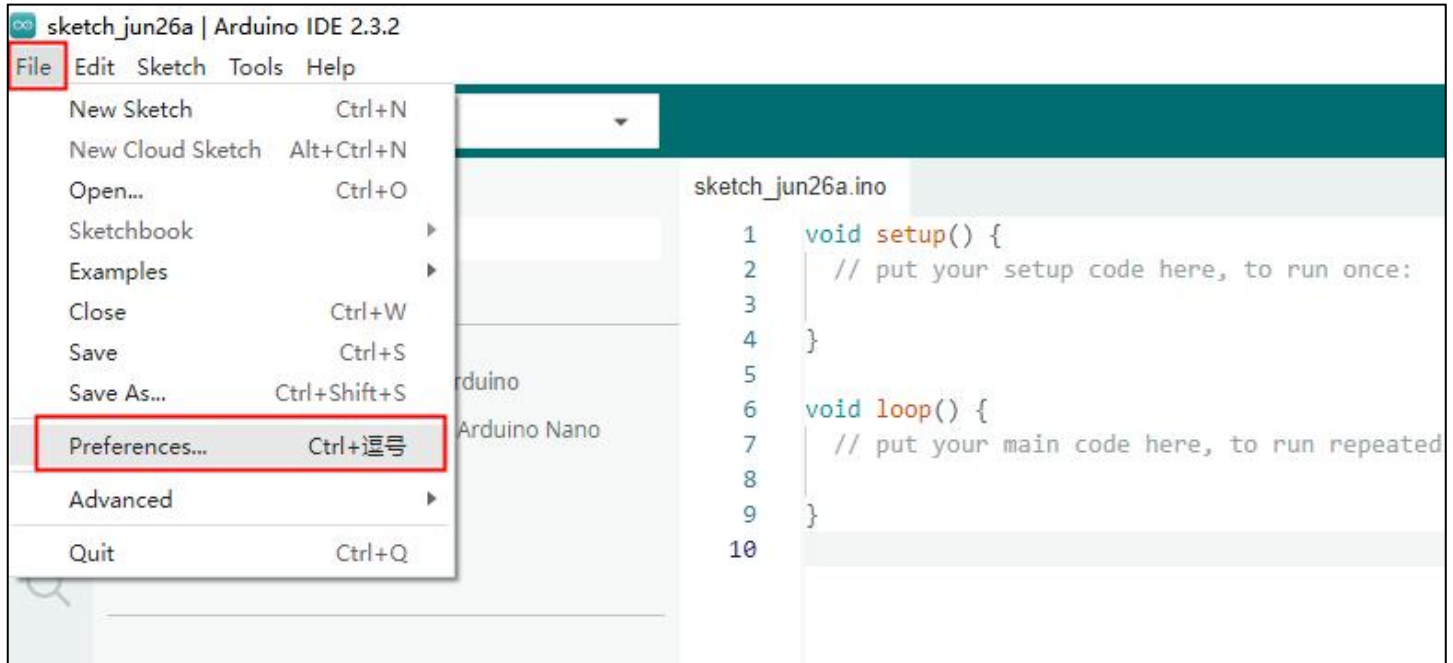
## Pinout



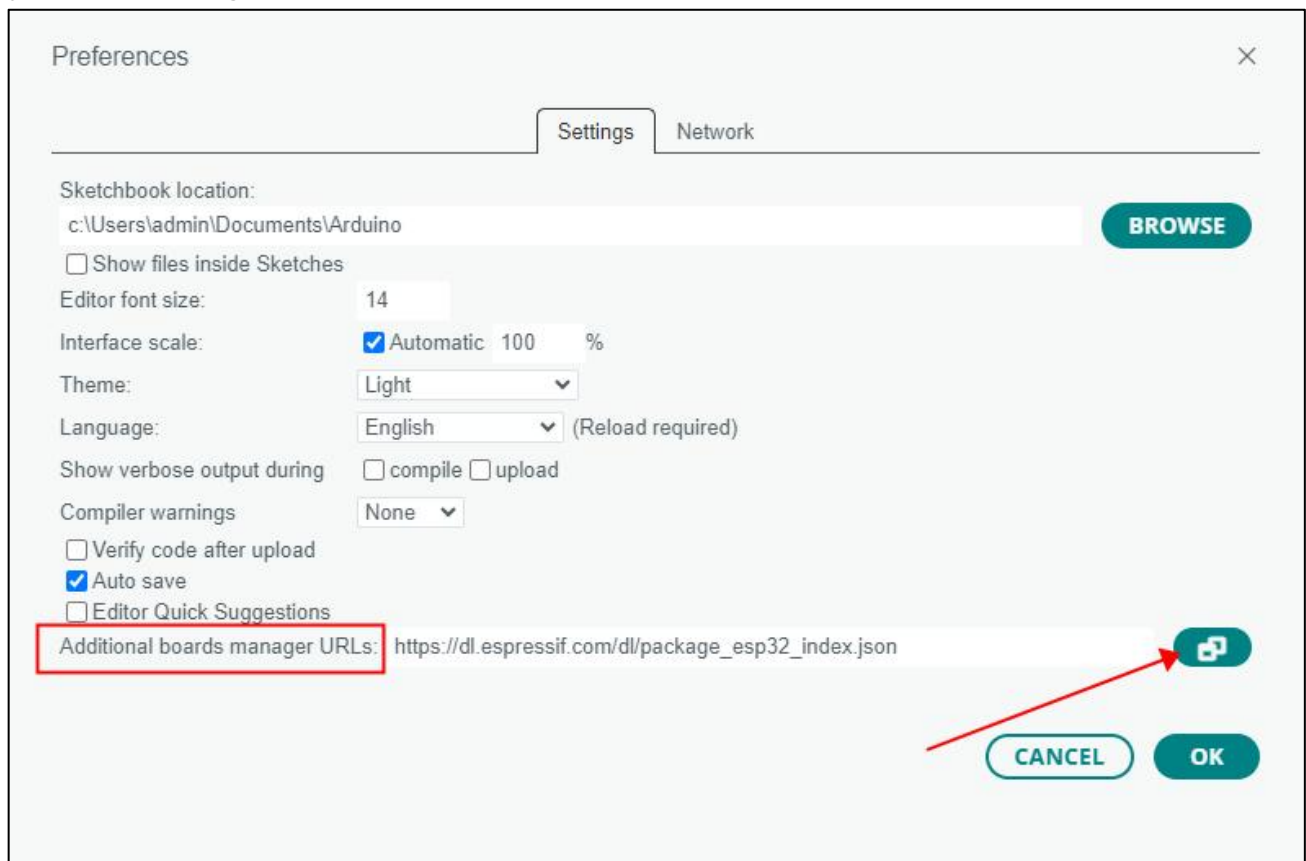
# Instructions

In order to be able to program the ESP32 in the Arduino IDE you must Install support for the ESP32 platform.

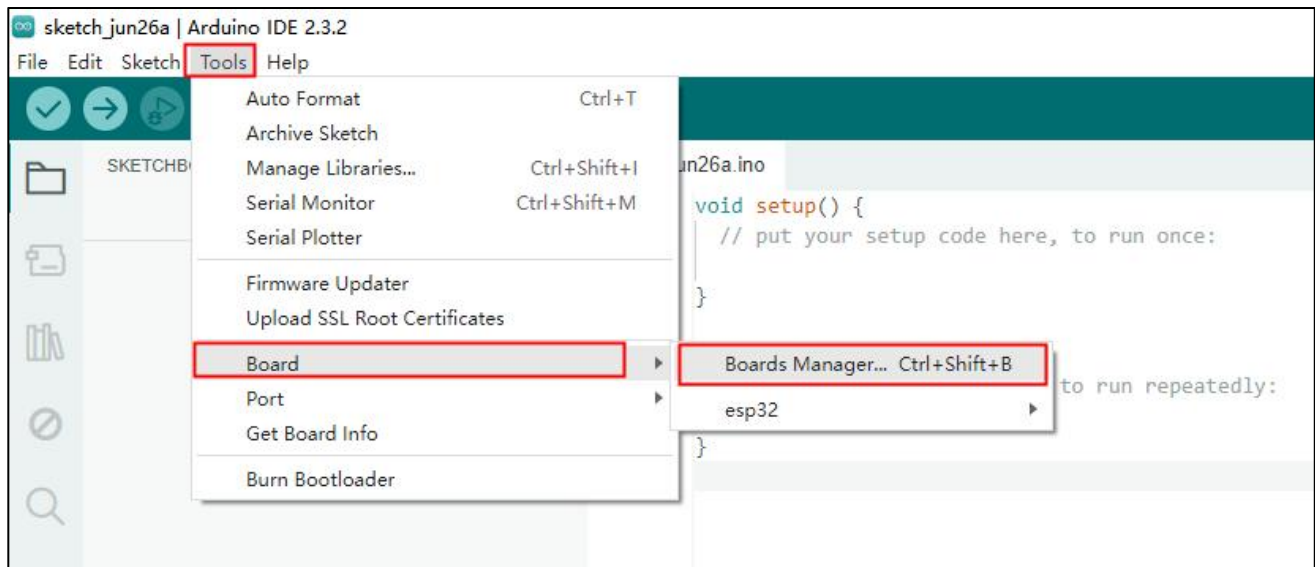
Open the Arduino IDE and go to:



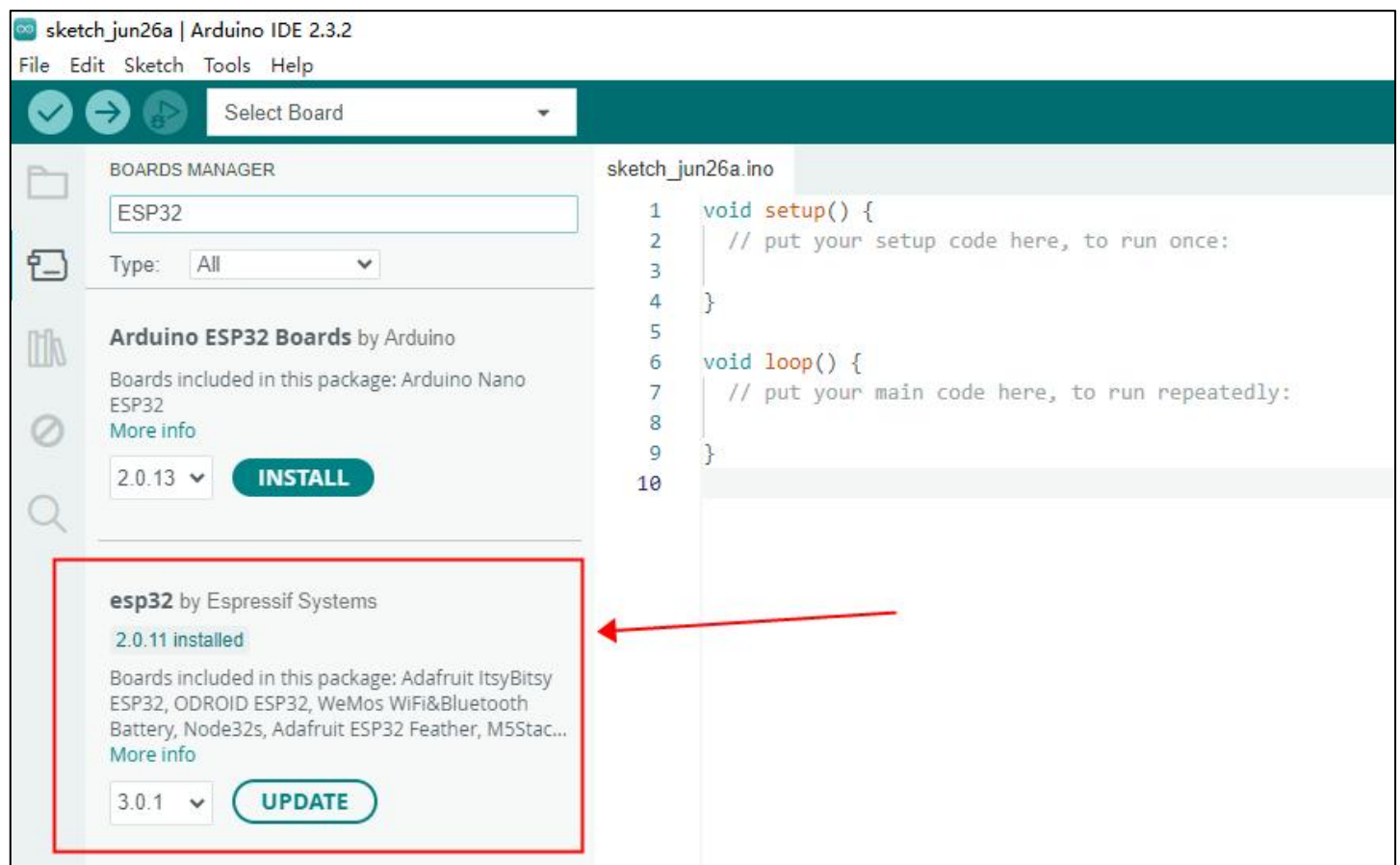
Copy the following link: [https://dl.espressif.com/dl/package\\_esp32\\_index.json](https://dl.espressif.com/dl/package_esp32_index.json)



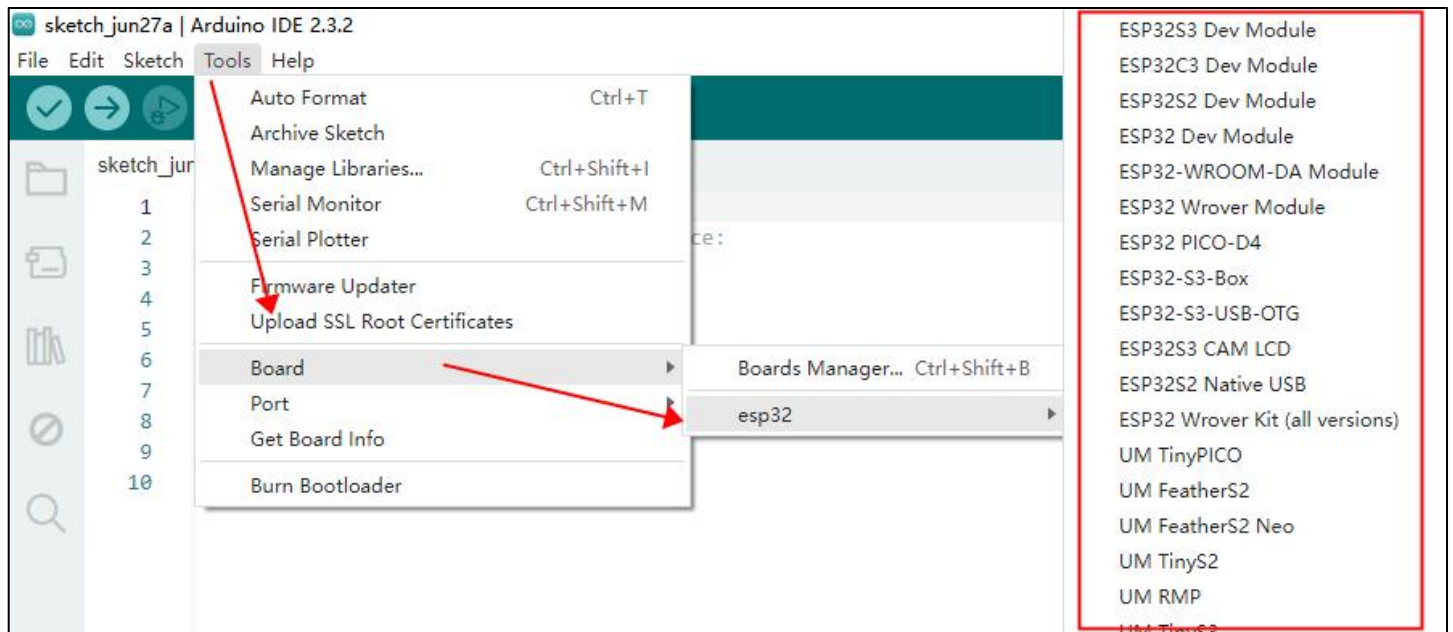
Open the Arduino IDE again and go to:



A new window will open, type esp32 in the search box and install the board named esp32 from Espressif Systems, as shown below:



Now you can select **【ESP32\_Dev\_Module】**



In order to make the computer recognize ESP32, please make sure your computer has the CH340 driver installed before use.

More Language Versions of the manual

UK	<a href="http://8.217.75.21/AMZ/CBAA0032007_UK.pdf">http://8.217.75.21/AMZ/CBAA0032007_UK.pdf</a>
DE	<a href="http://8.217.75.21/AMZ/CBAA0032007_DE.pdf">http://8.217.75.21/AMZ/CBAA0032007_DE.pdf</a>
FR	<a href="http://8.217.75.21/AMZ/CBAA0032007_FR.pdf">http://8.217.75.21/AMZ/CBAA0032007_FR.pdf</a>
IT	<a href="http://8.217.75.21/AMZ/CBAA0032007_IT.pdf">http://8.217.75.21/AMZ/CBAA0032007_IT.pdf</a>
ES	<a href="http://8.217.75.21/AMZ/CBAA0032007_ES.pdf">http://8.217.75.21/AMZ/CBAA0032007_ES.pdf</a>
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