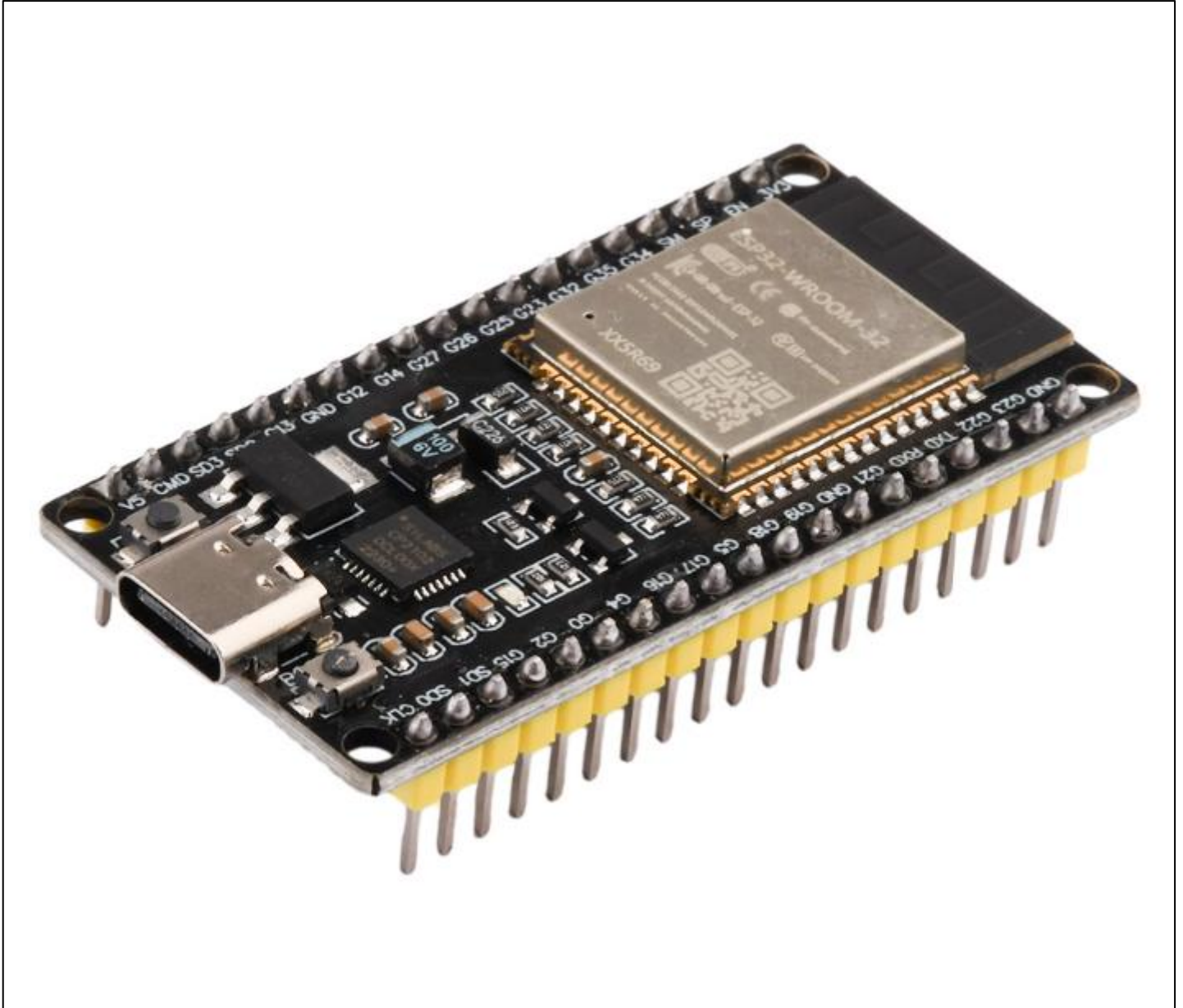


# ESP32 Development Board



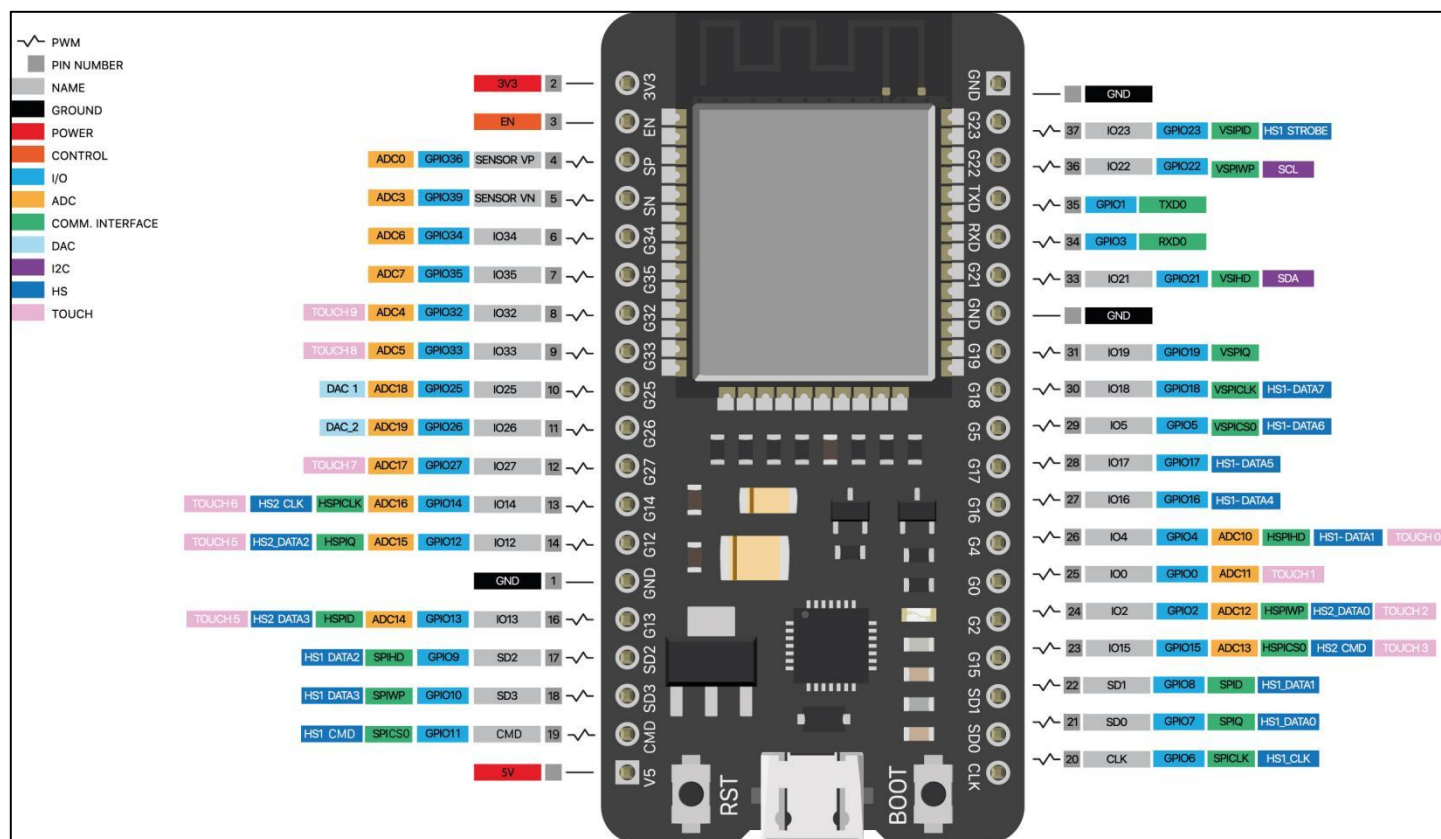
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## Specifications

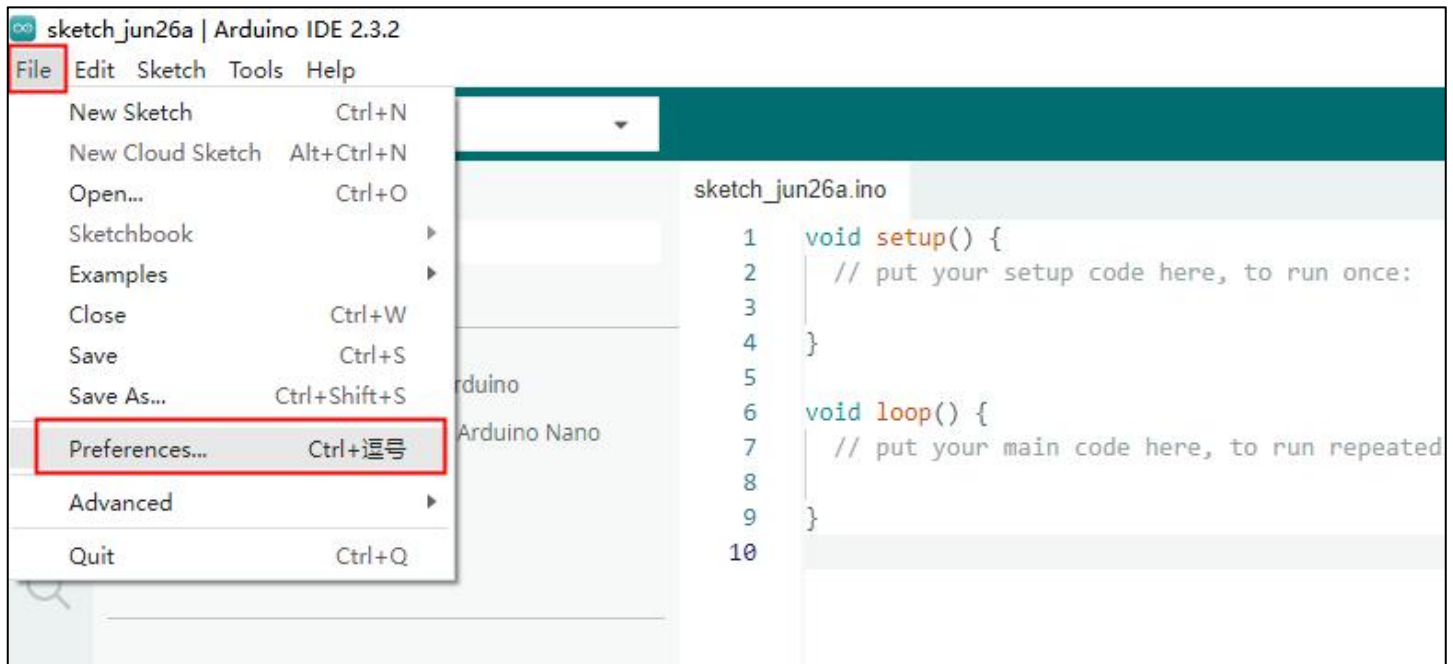
|                            |                                |
|----------------------------|--------------------------------|
| Power supply voltage (USB) | 5V DC                          |
| Input/Output voltage       | 3.3V DC                        |
| Operating current required | min. 500mA                     |
| 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         | CP2102                         |

## Pinout

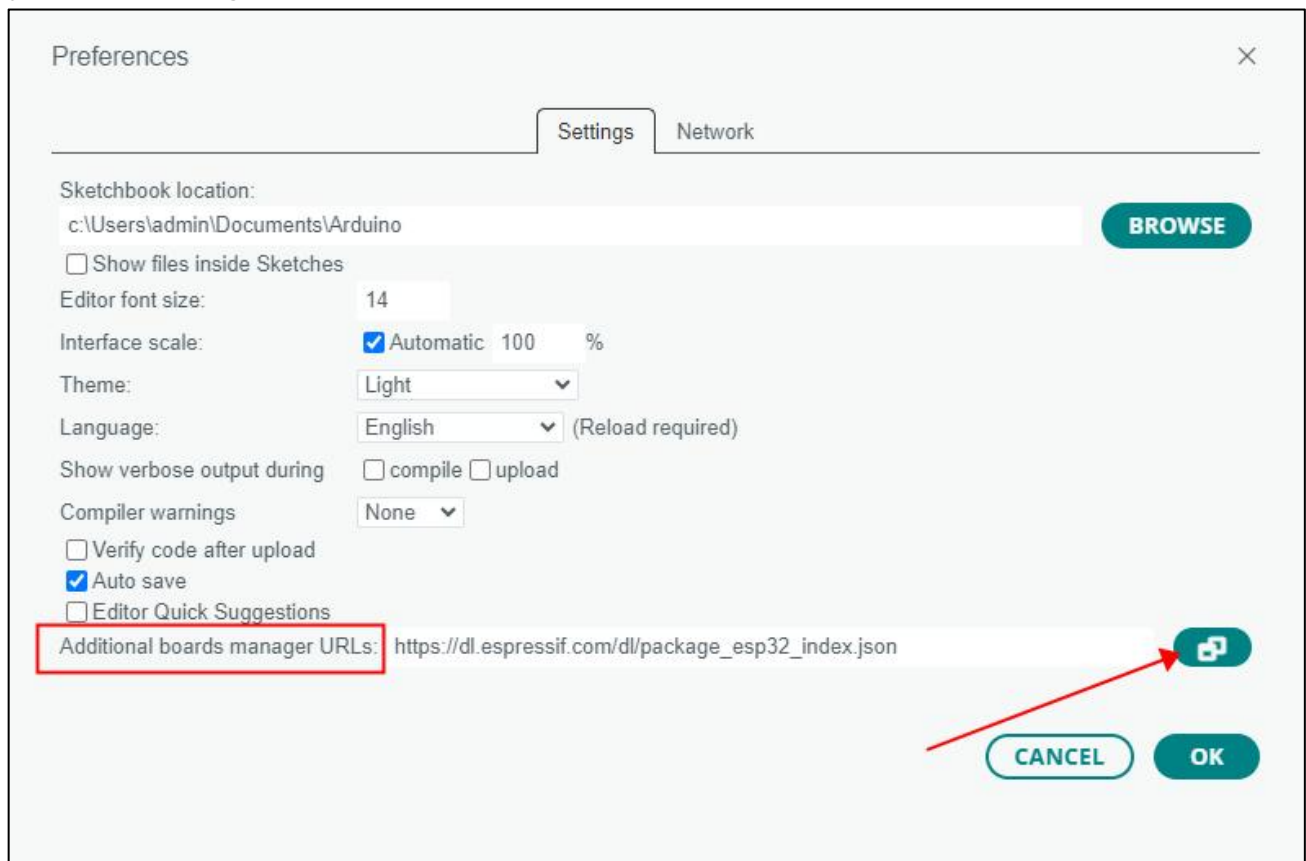


In order to be able to program the ESP32 in the Arduino IDE you must Install support for the ESP32 platform.

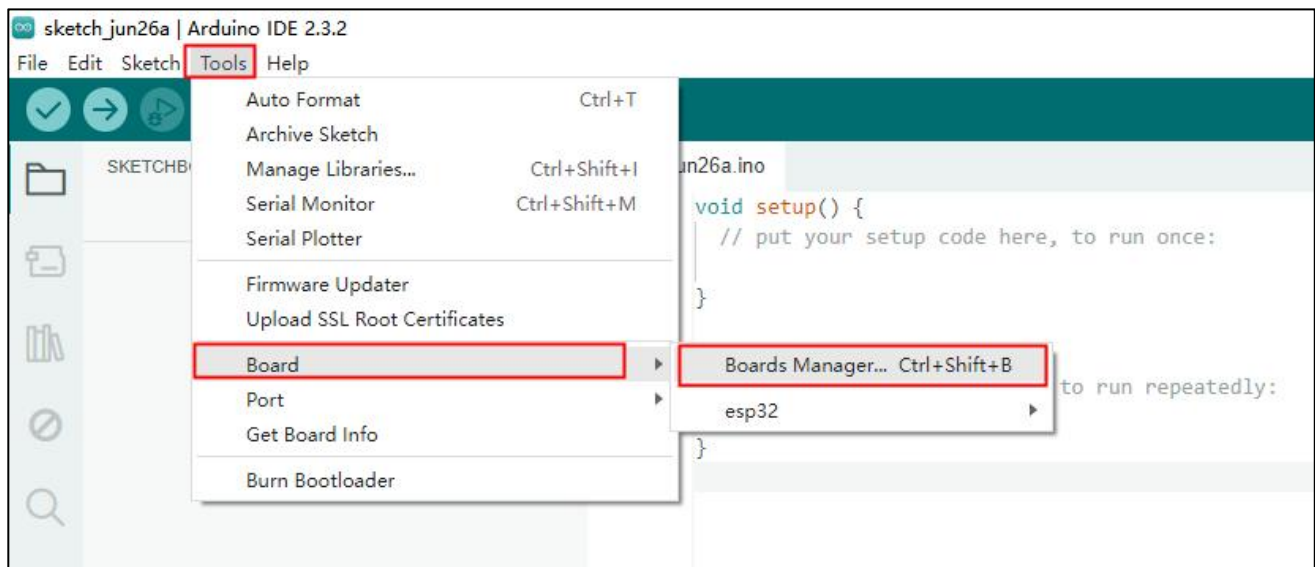
Open the Arduino IDE and go to:



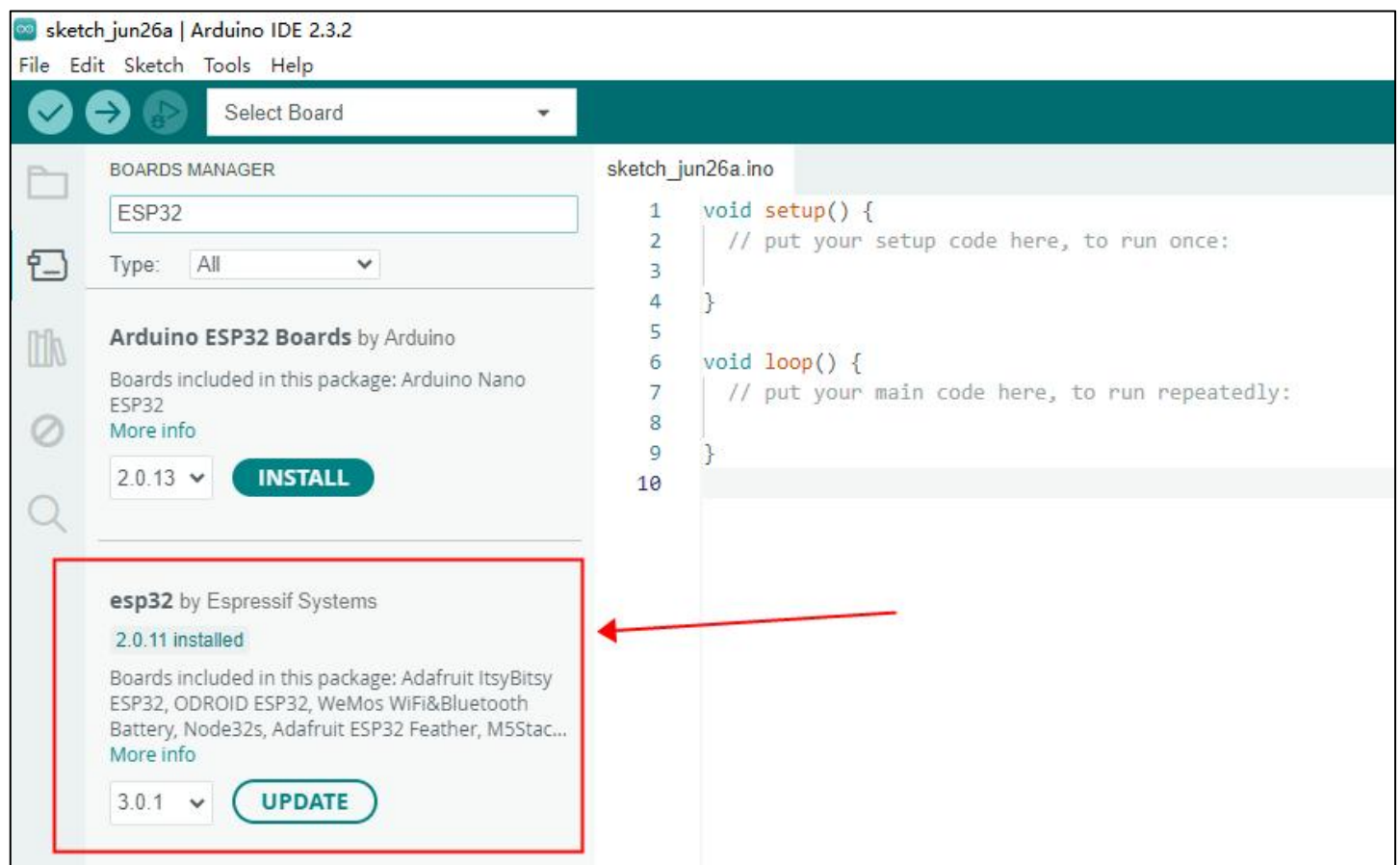
Copy the following link: [https://dl.espressif.com/dl/package\\_esp32\\_index.json](https://dl.espressif.com/dl/package_esp32_index.json)



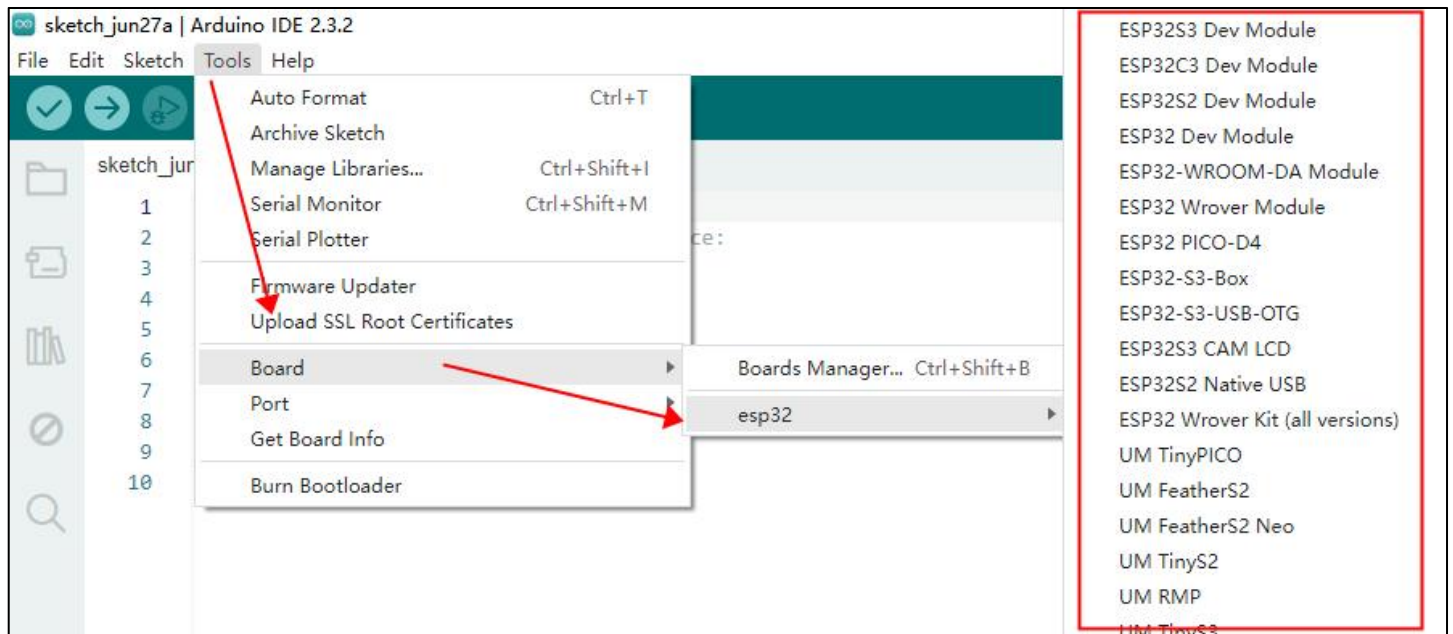
Open the Arduino IDE again and go to:



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 CP210X driver installed before use.