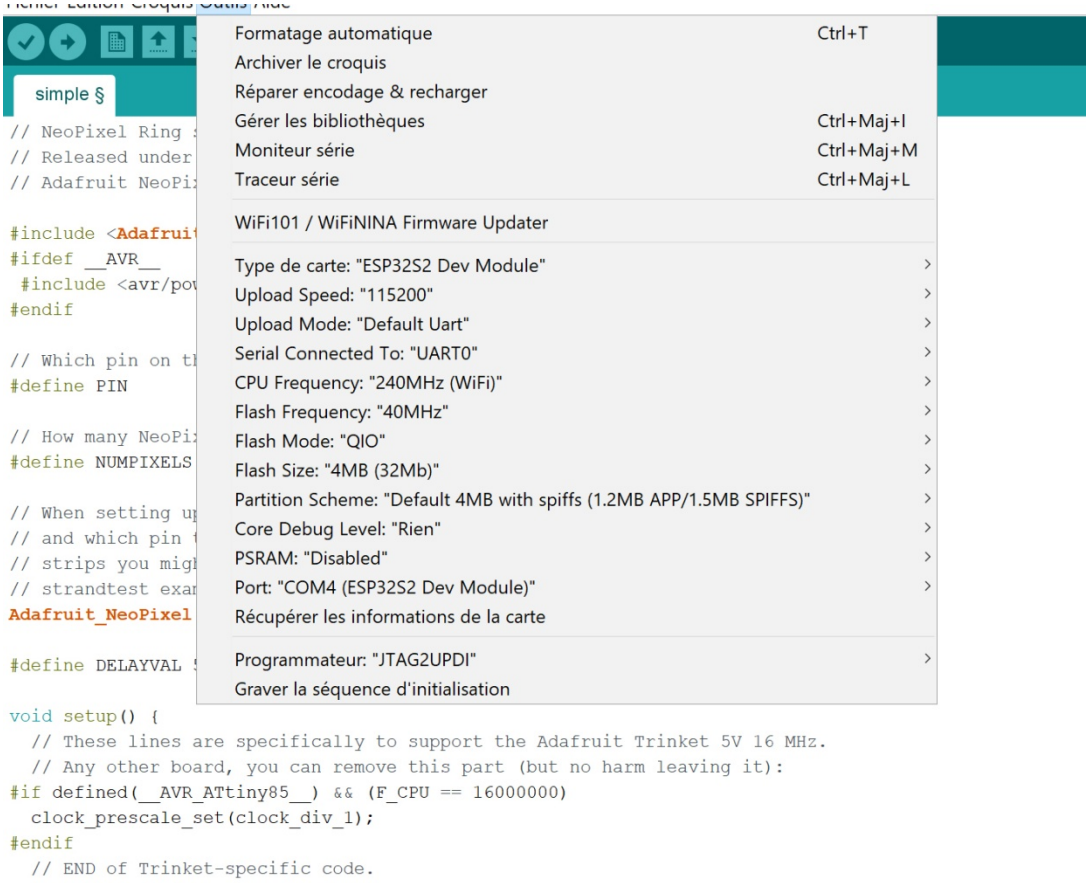
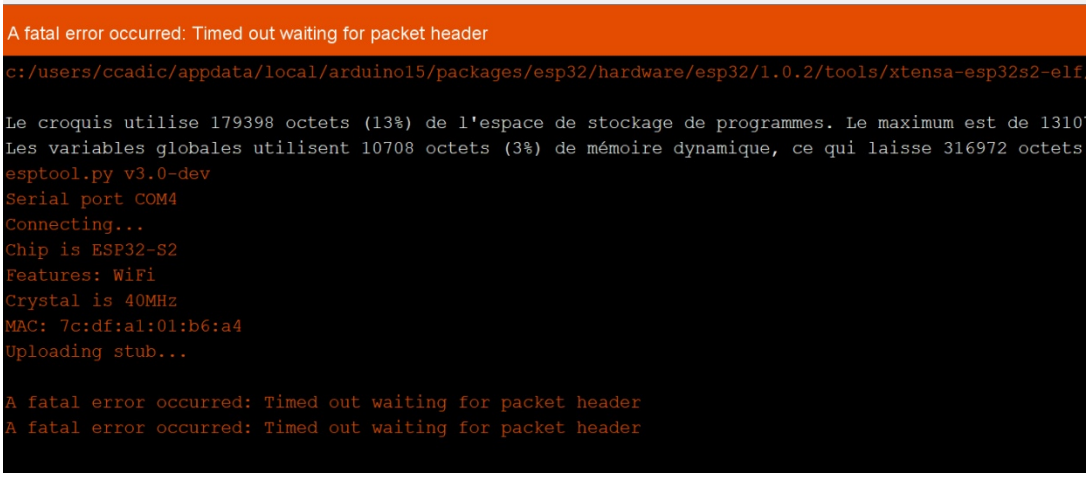
## ESP32-S2 DEV BOARD , HOW TO START

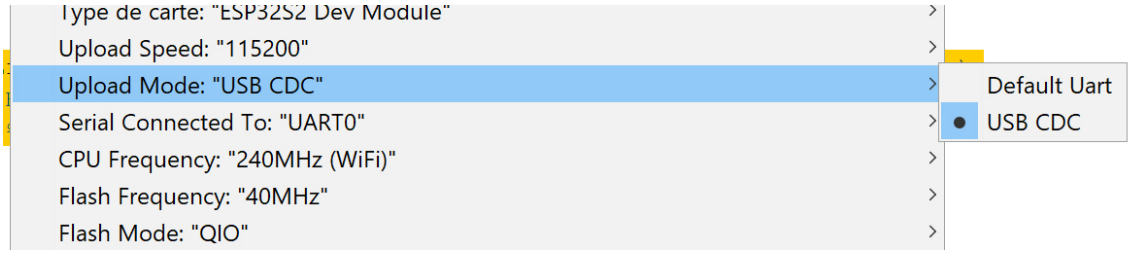
To upload the sketch you have to select the proper board.  See video. https://tutorial.cytron.io/2020/06/25/program-esp32-s2-using-arduino-ide-unofficial/ to understand how to setup arduino IDE. When ARDUINO IDE is set correctly, you can plug the ESP32-S2 dev board to the USB port.

Select the following parameters for the board . You should also select UPLOAD MODE from UART0 to USB CDC



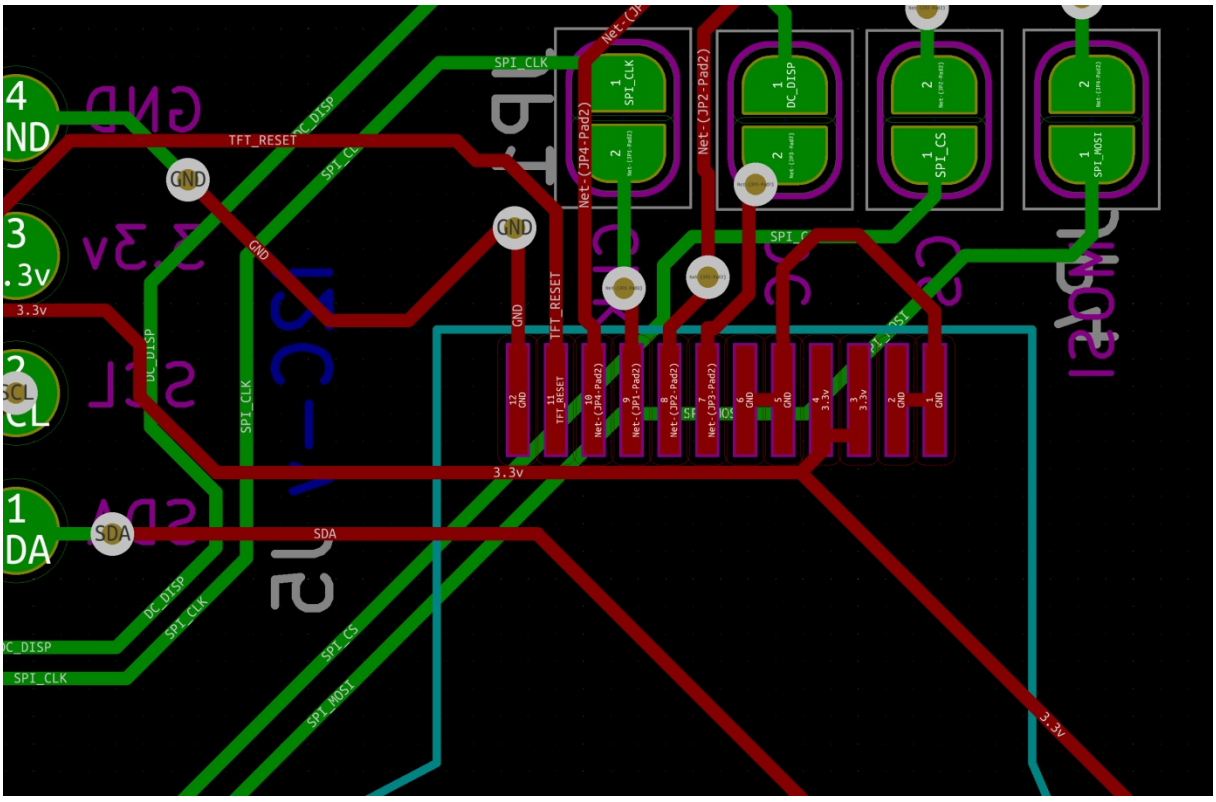

And select USB UPLOAD MODE to **USB CDC**




Put the board in upload mode. For this, put the left button (boot) to the up position and then press the RESET BUTTON (near R7 Resistor). Release the RESET BUTTON and keep BOOT switch in position. The sketch should upload well. Once uploaded , put the BOOT switch to off (Down position) and press RESET again. The ESP32-S2 should now reboot in RUN MODE.

**CORRECTION / GERBER 1**

The Gerber1 has a small issue you may correct. The TFT DISPLAY RESET has no trace to GPIO12. It is suggested to solder a small wire from PIN 11 of the TFT Display and connect its orther end to GPIO12 of the ESP32 WROOM.




Gerber 1.2 has corrected this issue.