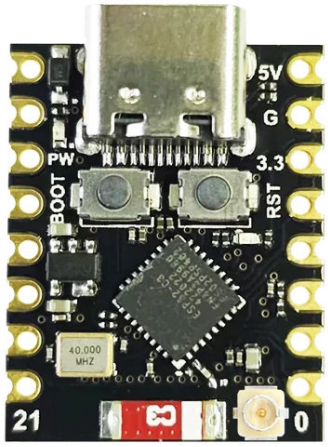
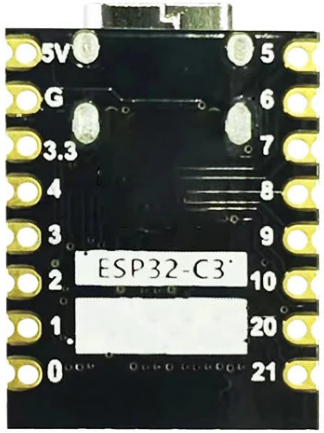
Nameless Technology Nologo

ESP32-C3 SuperMini Dev Board USB-C

ESP32-C3-SMINI





1. Product Parameters

- Powerful CPU: ESP32-C3, 32-bit RISC-V single-core processor, running at up to 160 MHz
- WiFi: 802.11b/g/n protocol, 2.4GhHz, supports Station mode, SoftAP mode, SoftAP+Station mode, mixed mode
- Bluetooth: Bluetooth 5.0
- Ultra-low power consumption: Deep sleep power consumption is about 43μA
- Rich board resources: 400KB SRAM, 384KB ROM, built-in 4Mflash.
- Chip model: ESP32C3FN4
- Ultra-small size: as small as a thumb (22.52x18mm) Classic form factor
- Robust security features: Cryptographic hardware accelerator supporting AES-128/256, hashing, RSA, HMAC
- Rich interfaces: 1xI2C, 1xSPI, 2xUART, 11xGPIO (PWM), 4xADC
- Single-sided components, surface mount design
- Onboard LED blue light:GPIO8 Pin

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1. Install the Arduino IDE
https://arduino.me/download

2. Add an additional board address

Open the Arduino IDE menu > Files > Preferences
and in the Attach Board Manager URL input box, fill in the following URL:
https://arduino.me/packages/esp32.json

4. Connect ESP32C3 development board to computer
Connect the ESP32C3 development board to the computer via a USB cable.

5. Enter download mode
Press and hold the **BOOT** button on the ESP32C3,
then press the **RESET** button,
release the **RESET** button,
and then release the **BOOT** button, and the ESP32C3 will enter download mode.

Every time you connect, you need to re-enter the download mode, sometimes press it again, the port will be disconnected if it unstable, you can judge by the port recognition sound

6. Select the board and port
In the Arduino IDE, select "Tools" - "Development Board" - "ESP32C3 Dev Module",
and then select the correct string slogan.

7. External power supply
If you need an **external power supply**, just connect the external power supply + to the 5V position, and GND to the negative pole. (Support 3.3~6V power supply).
Remember that when connecting to an external power supply, you cannot connect to USB, and you can only choose one between USB and external power supply.

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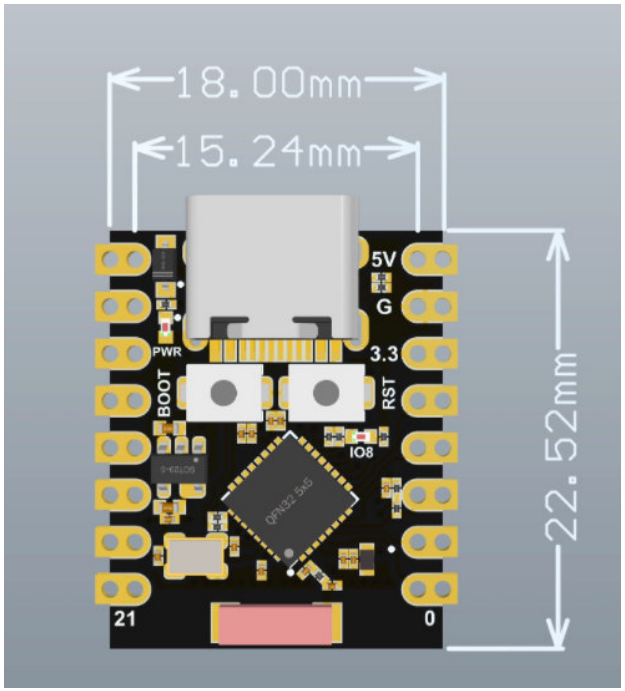
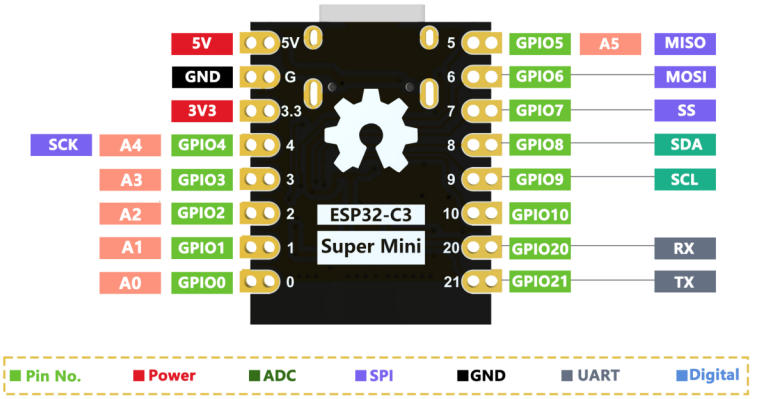
8. Dimensions



8. Pin Layout



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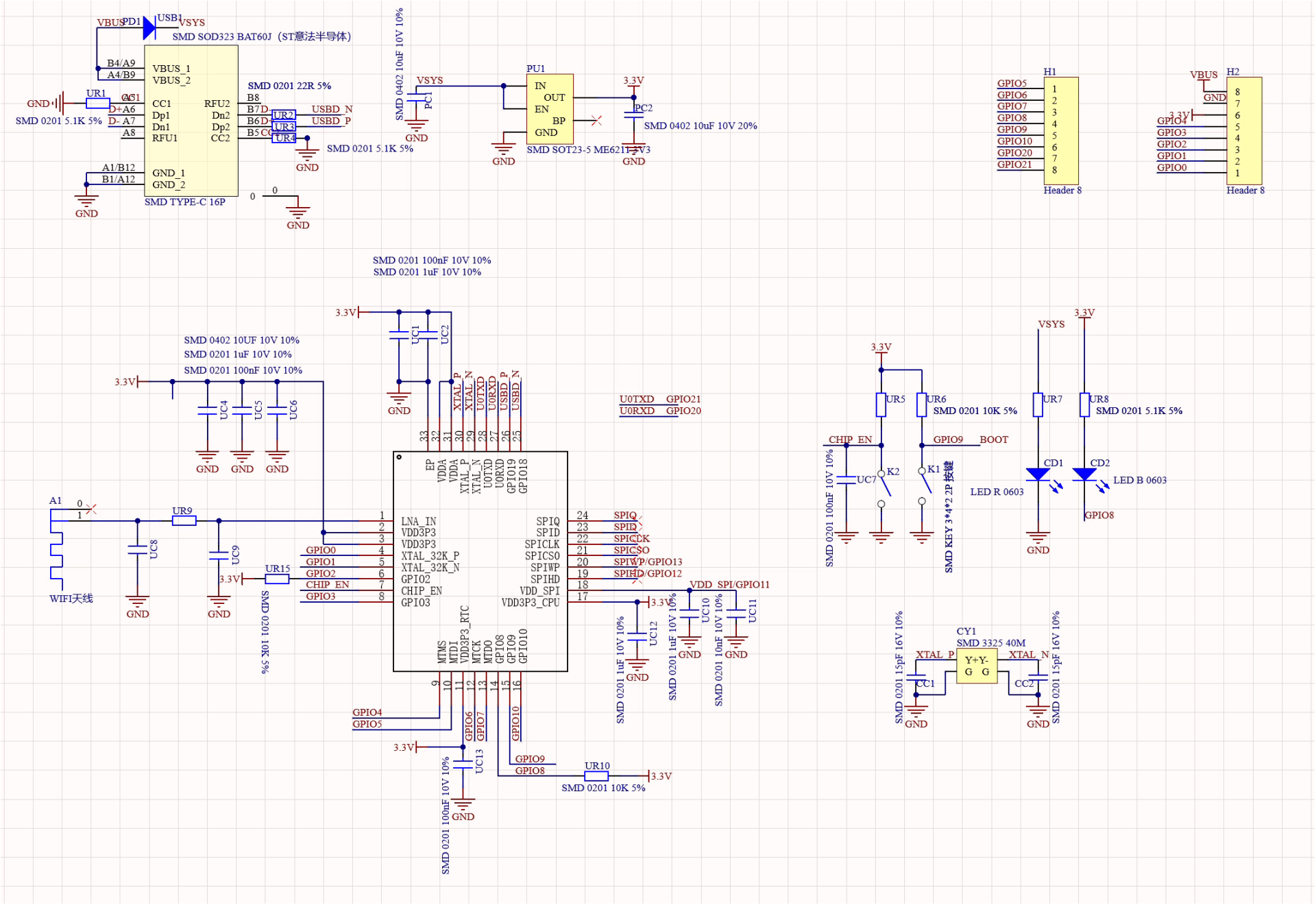

10. Additinal Information from NOLOGO TECH

Manufacturer Page (Chinese) (In Chrome Browser, Right click, Translate to English)

https://www.nologo.tech/product/esp32/esp32c3SuperMini/esp32C3SuperMini.html