

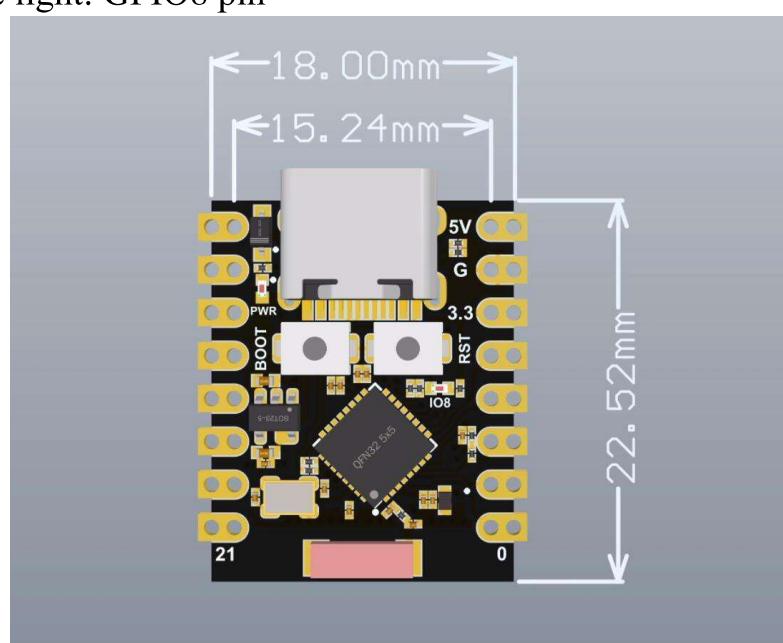
Product Introduction:

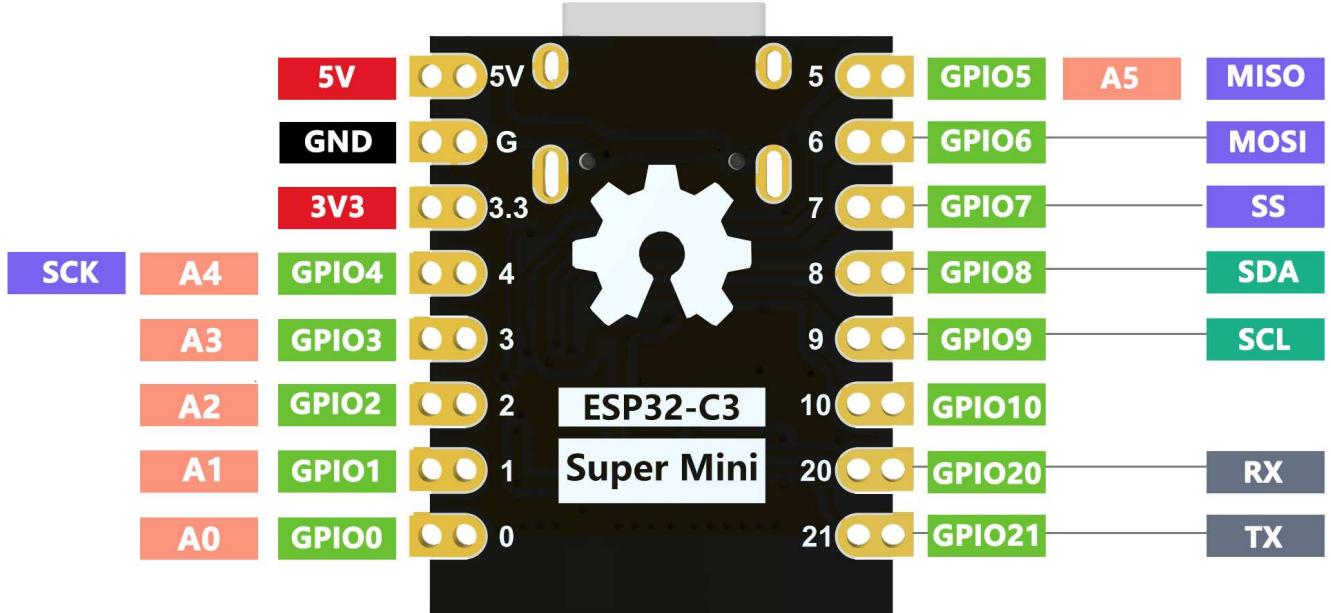
The ESP32 C3 SuperMini is an IoT mini development board based on the Espressif ESP32-C3 WiFi/Bluetooth dual-mode chip. The ESP32-C3 is a 32-bit RISC-V CPU that contains the FPU (floating point unit) for 32-bit single-precision operations with powerful computing power. It has excellent performance and supports IEEE 802.11b /g/n WiFi and Bluetooth 5 (LE) protocols. The board comes with an external antenna to enhance signal strength for wireless applications. It also has a small and delicate form factor combined with a single-sided surface mount design. It is equipped with a wealth of interfaces, with 11 digital I/Os that can be used as PWM pins and 4 analog I/Os that can be used as ADC pins. It supports four serial interfaces: UART, I2C and SPI. The board also has a small reset button and a boot loader mode button.

Combined with the above features, the ESP32C3SuperMini is positioned as a high-performance, low-power, cost-effective IoT mini development board for low-power IoT applications and wireless wearable applications.

Product parameter:

1. Powerful CPU: ESP32-C3, 32-bit RISC-V single-core processor, running up to 160 MHz
2. WiFi: 802.11b/g/n protocol, 2.4GHz, support Station mode, SoftAP mode, SoftAP+Station mode, hybrid mode
3. Bluetooth: Bluetooth 5.0
4. Ultra-low power consumption: deep sleep power consumption of about 43uA
5. Rich board resources: 400KB SRAM, 384KB ROM built-in 4Mflash.
6. Chip model: ESP32C3FN4
7. Ultra-small size: As small as the thumb (22.52x18mm) classic shape, suitable for wearables and small projects
8. Reliable security features: Encryption hardware accelerators that support AES-128/256, hashing, RSA, HMAC, digital signatures, and secure startup
9. Rich interface: 1xI2C, 1xSPI, 2xUART, 11xGPIO(PWM), 4xADC
10. Single-sided components, surface mount design
11. Onboard LED blue light: GPIO8 pin





■ Pin No.

■ Power

ADC

SPI

GND

■ UART

Digital

