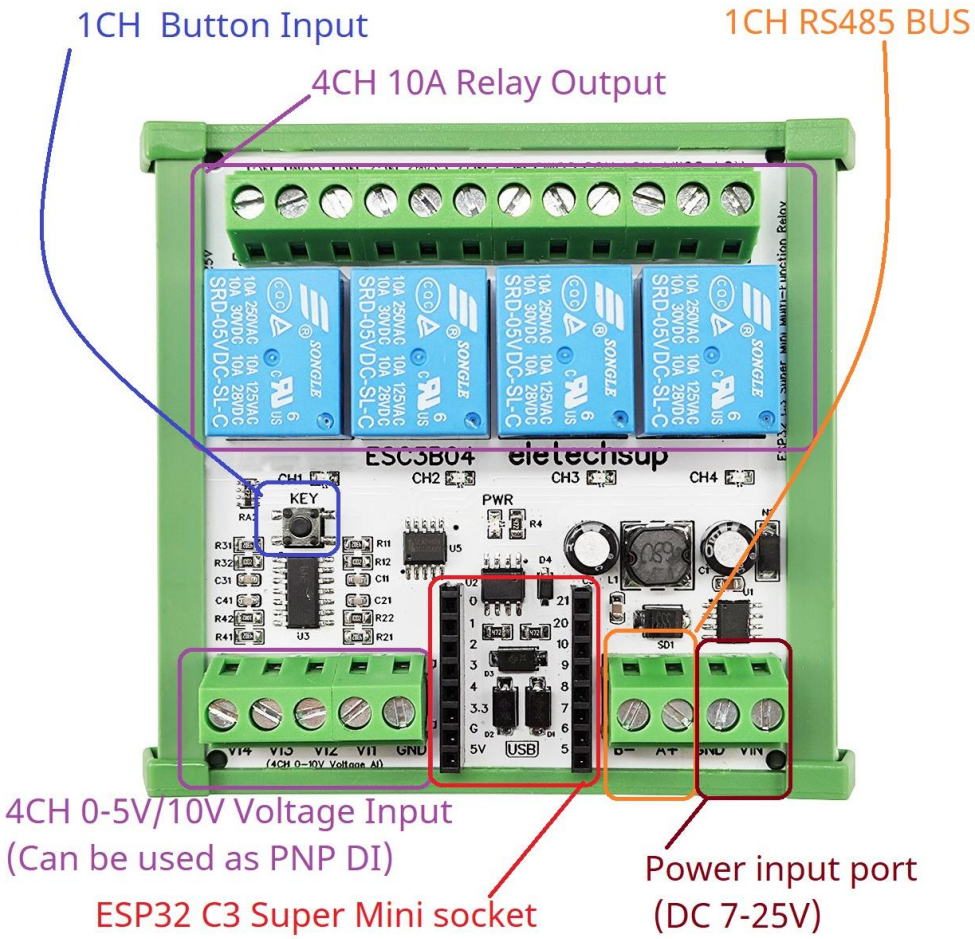
ESC3B04 4CH ESP32 C3 Expansion Board



Product Features:

1 Operating voltage: DC 7-25V

2 Operating Current : Standby current 15MA, 1 relay open 74MA, 2 relays open 106MA, 3 relays open 131MA, 4 relays open 164MA

3 On-board resources: 1x RS485 Interface,4x 0-5V/10V Voltage Input(Can be used as PNP DI),1x Button Input,4x relay outputs,1x ESP32 C3 Super Mini socket.

4 size 77*72*19mm(Only Board)

5 Weight : 80g(Only Board), 144g(With DIN Box)

As long as you write ESP32-C3 code,You can use it to achieve a variety of delay timer function,such as:

WIFI remote control switch

WIFI voltage collection

RS485 Master-Slave Device(PLC MCU),

4x 0-5V/10V Voltage Collection,

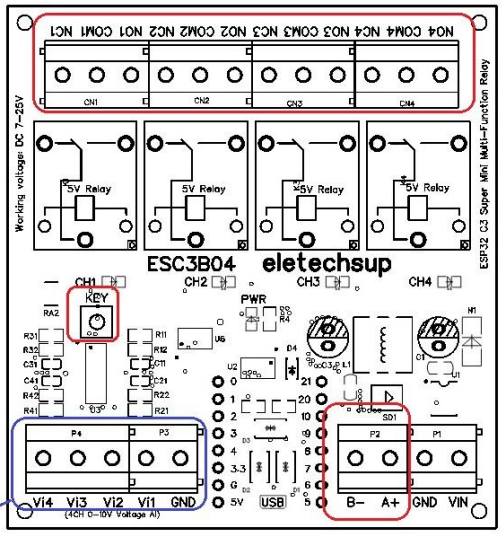
4x 12-24V PNP DI

Motor forward and reverse,
Timing on,Timing off,
Power-up delay,Trigger delay,
Infinite loop delay,
A finite number of cyclic delays,
Power sequencer,
And so on.

This is an expansion board based on 16PIN C3 Super Mini. We only provide some Arduiuo codes for testing the hardware. More codes and functions need to be developed by yourself.
If you need more functionality, write your own code. We do not provide additional code and technical support

Tip:Vi1-Vi4 can also be used as PNP digital input. High level 11-24V, low level 0-1V (low level when suspended)
Note: ESC3B04 can not work independently, must be under the control of the 16PIN ESP32 C3 Super Mini board to work,If you do not have a ESP32 C3 Super Mini board, purchase it separately

ESC3B04 Expansion Board Ports	ESP32 C3 Super Mini PIN
Vi1-Vi4(0-10V)	0/1/3/4(A0/A1/A3/A4)
CH1-CH4(Relay DO)	5/6/7/10
KEY	2
RD/RXD/TXD(RS485)	9/20/21



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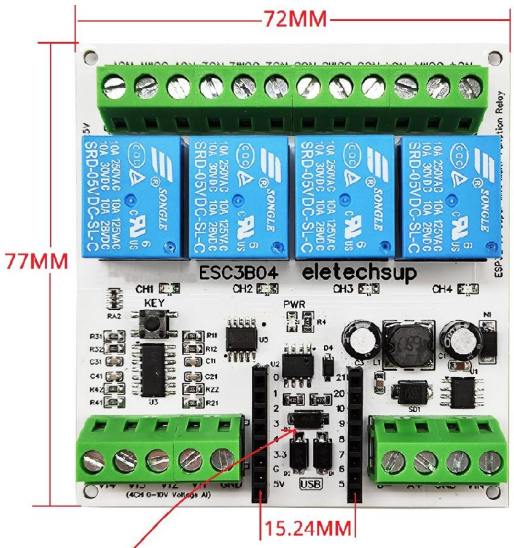
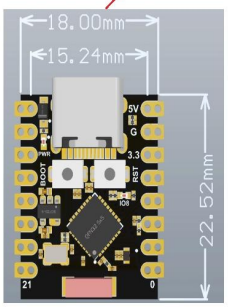
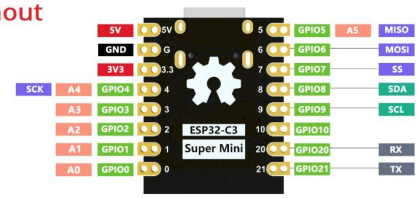
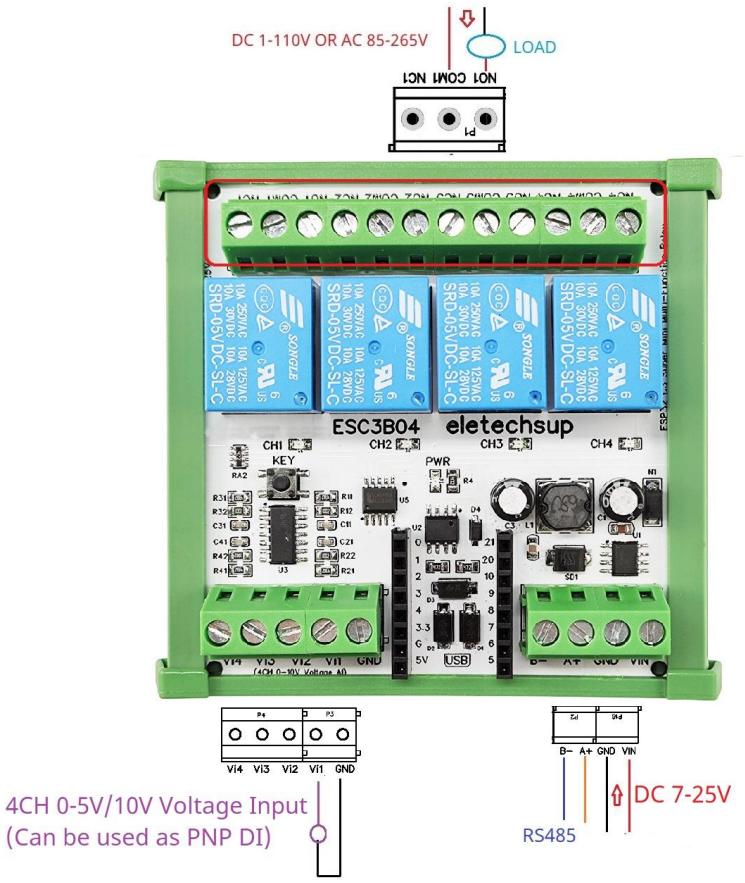




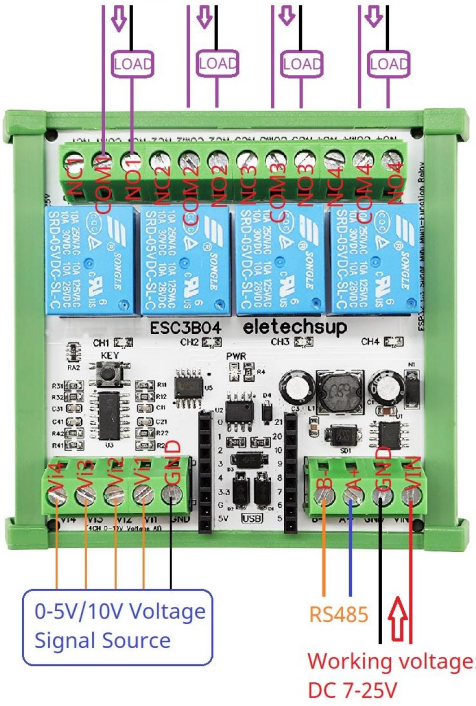
ESP32 C3 Super Mini Dimensions and Pinout





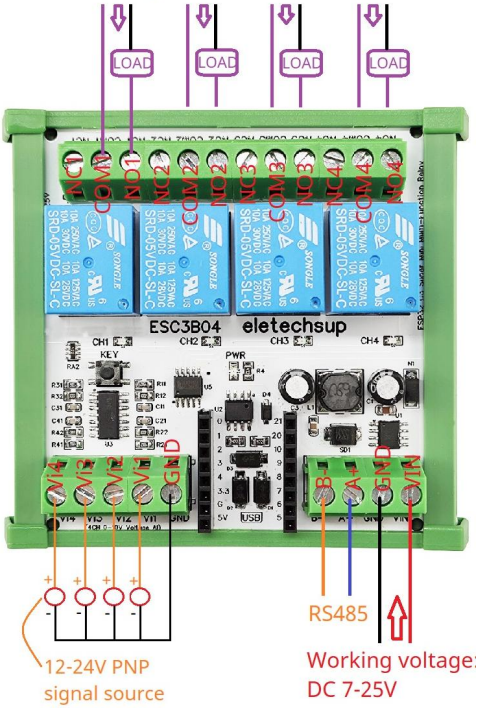
Wiring Diagram 1 :
Vi1-Vi4 conventional wiring

Load voltage: DC 1-110V OR AC 85-265V



Wiring Diagram 2 :
Vi1-Vi4 as PNP digital input

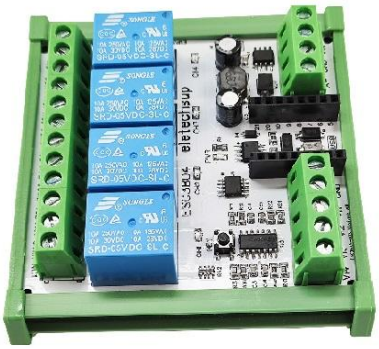
Load voltage: DC 1-110V OR AC 85-265V



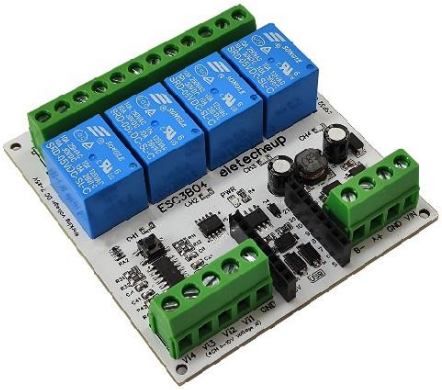
Insert ESP32 C3 Super Mini effect

Note: ESP32 C3 Super Mini Board
is not included

With DIN Box version



Only board version



DIN Rail Box