PRODUCT Information

Feature:

ATMEGA32U4 in 5V/16 MHZ

Under the support of the Arduino IDE V1.0.1

The board of directors on the micro USB interface programming

TZT Four 10 bit ADC pin

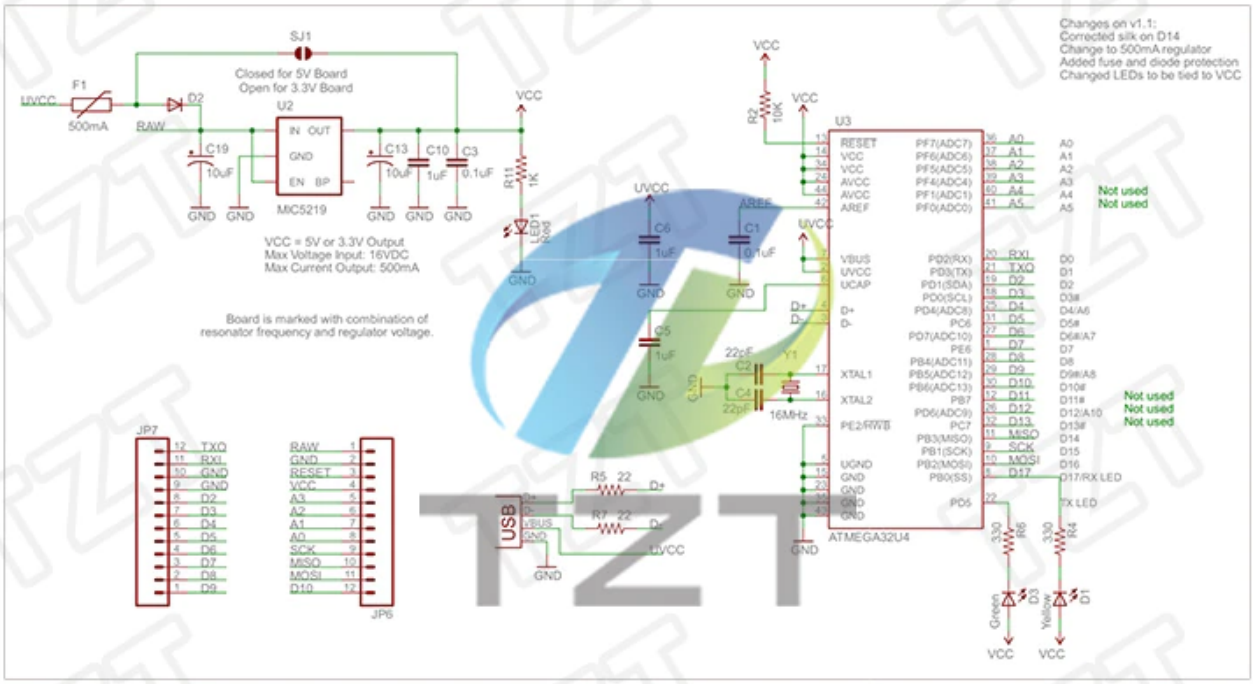
12 digital I/O(PWM)

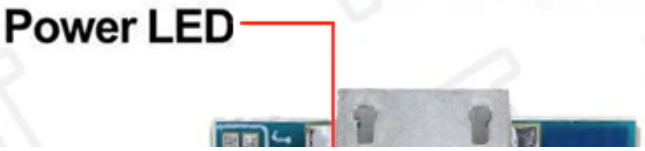
Rx and Tx hardware serial connectio

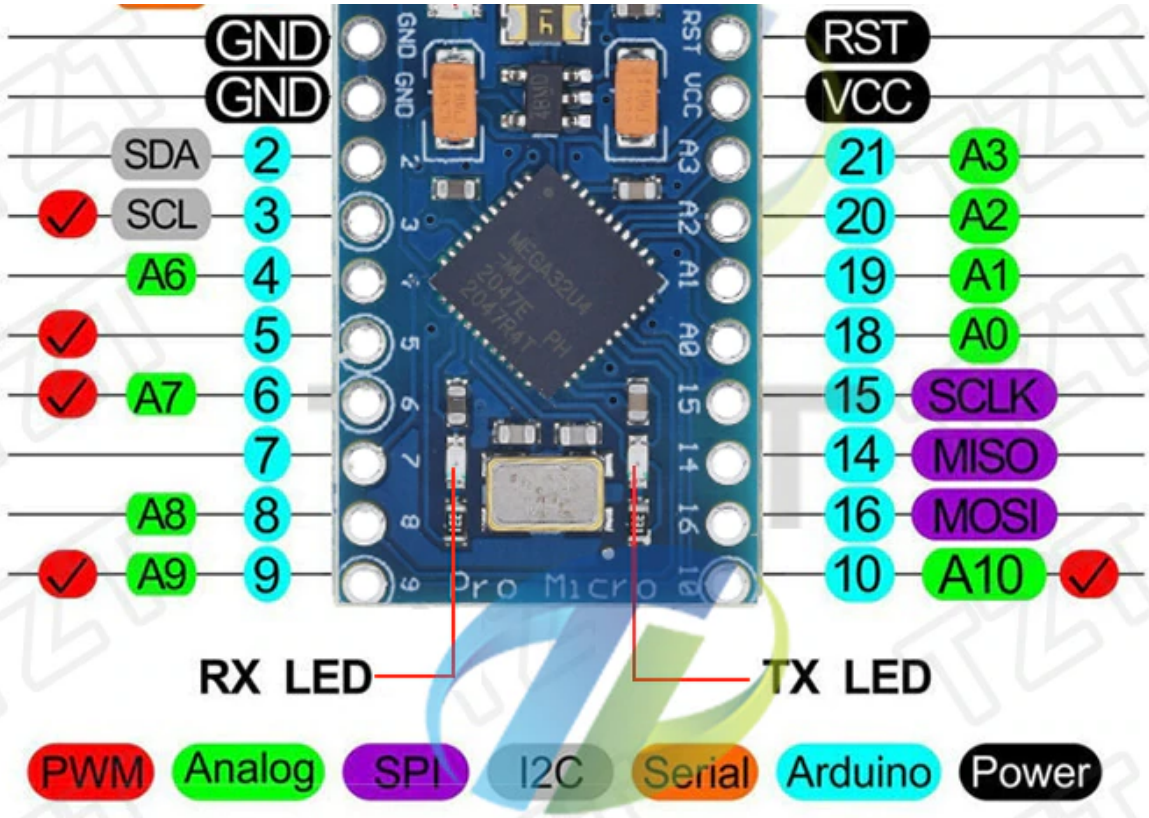
Describe:

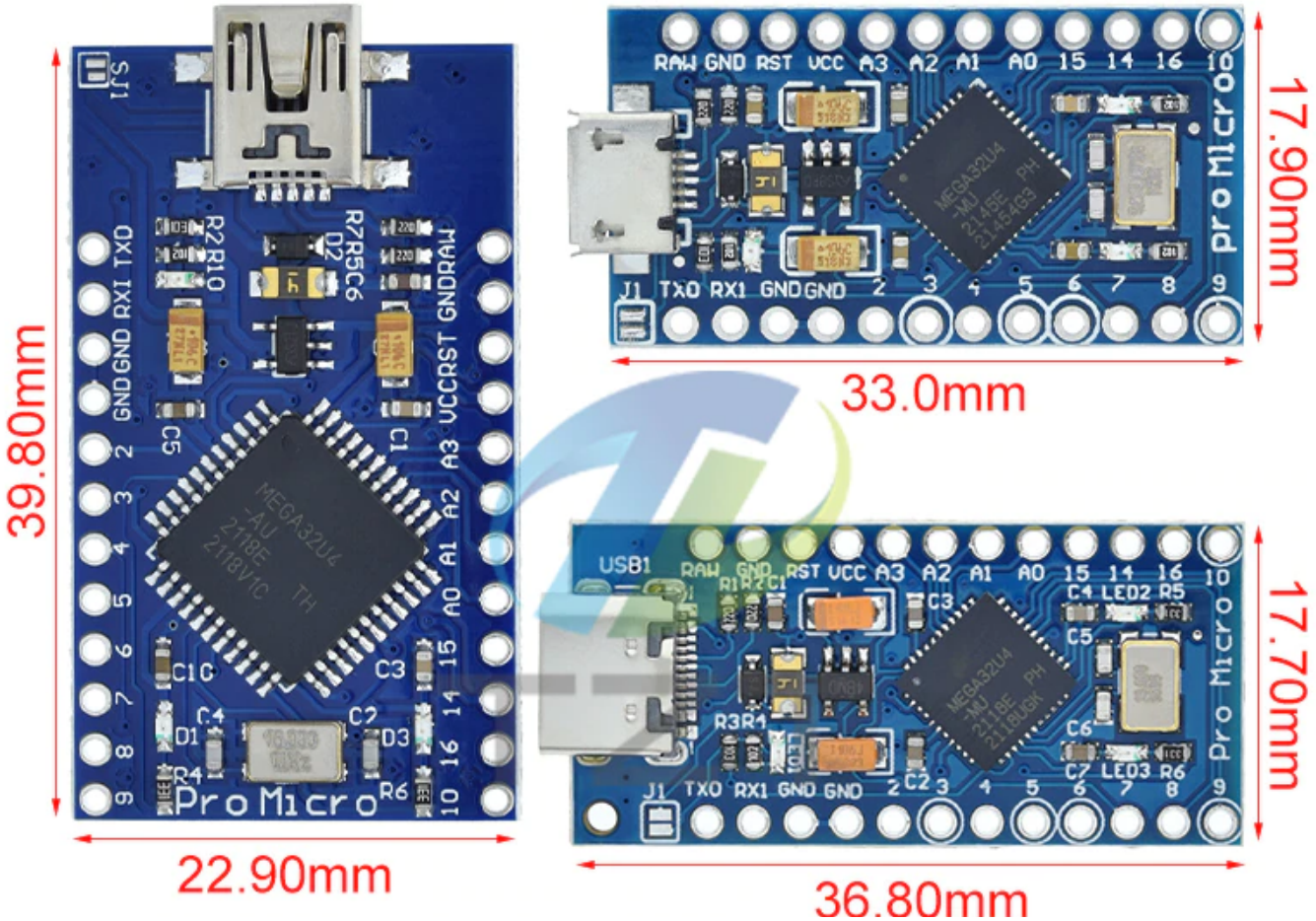
This small board to do all in the neighbourhood of the Arduino skills: 4 channel 10 bit ADC， five PWM pin, 12 DIO and hardware serial connection Rx and Tx: are you familiar with Runin 16 MHZ and 5v, the committee will remind you of many other you like the Arduinocompatible circuit board, but this little guy can go to any place. In the ship has a voltagregulator, so it can accept voltage up to 12 VDC. If you are the supply of unstable powersupply board, must be connected to the "RAW is not the Vcc pin. This latest versioncorrect silk, make the pin 14 is correct. We also added a Ptc fuse and diode protectionpower supply circuit and correct RX and TX LED circuit.

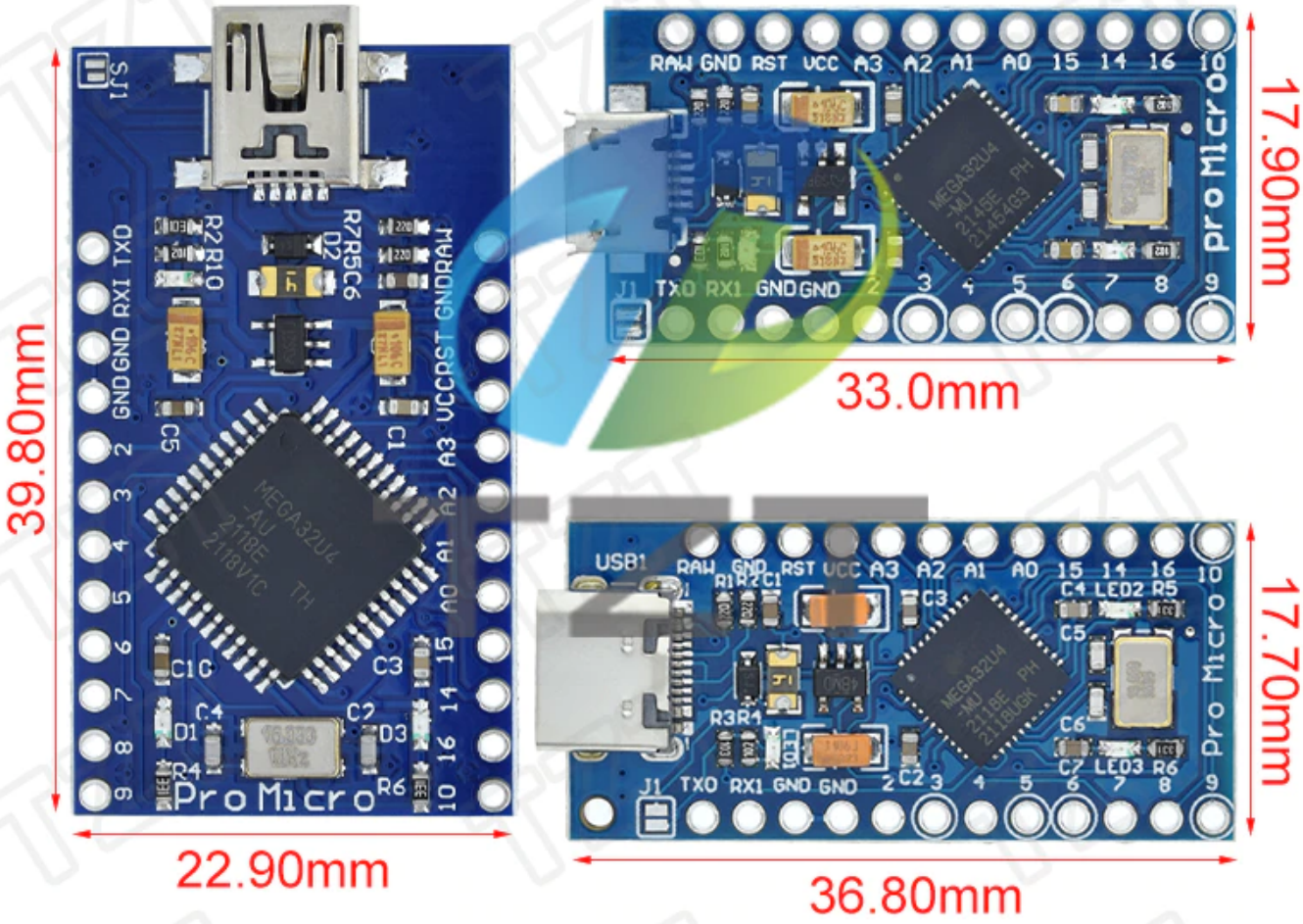
Sketch Map:






GND
GND
SDA 2
SCL 3
A6 4
5
A7 6
7
A8 8
A9 9
RST
VCC
21 A3
20 A2
19 A1
18 A0
15 SCLK
14 MISO
16 MOSI
10 A10
RX LED
TX LED
PWM
Analog
SPI
I2C
Serial
Arduino
Power


39.80mm
22.90mm
17.90mm
33.0mm
17.70mm
36.80mm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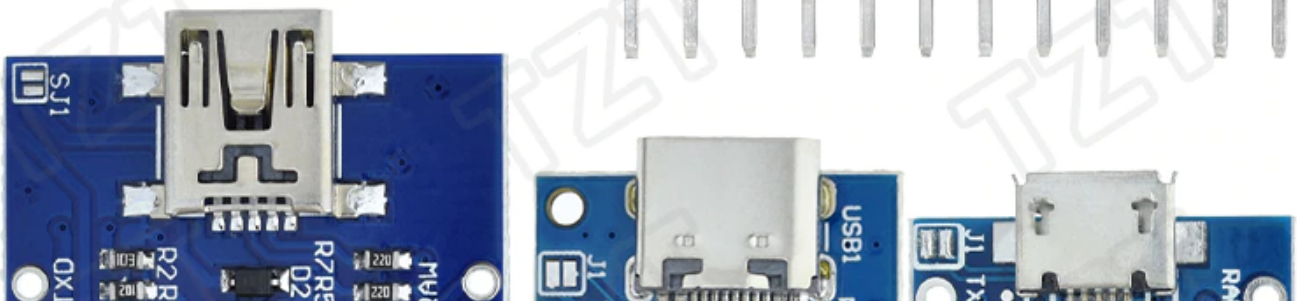
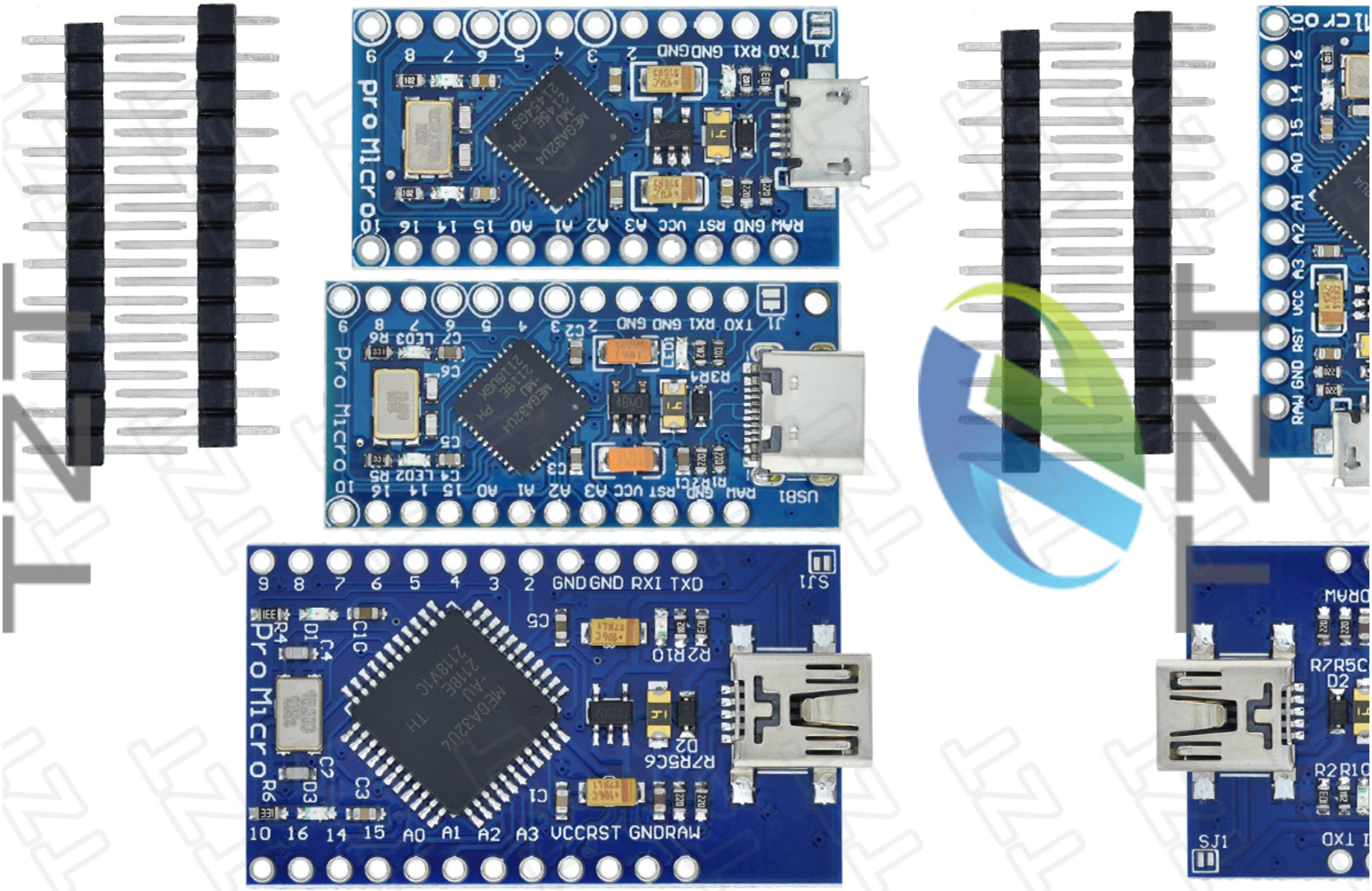
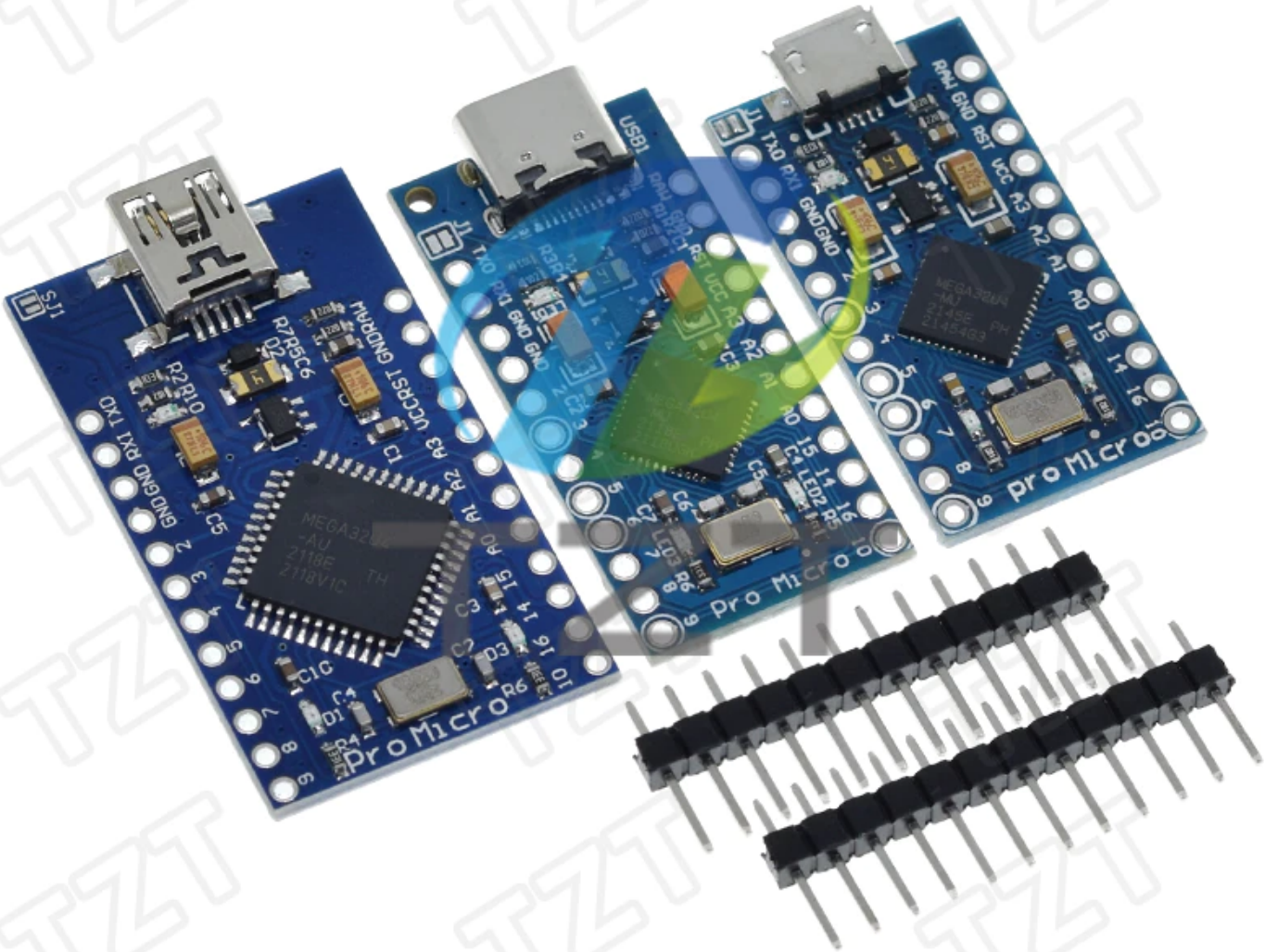
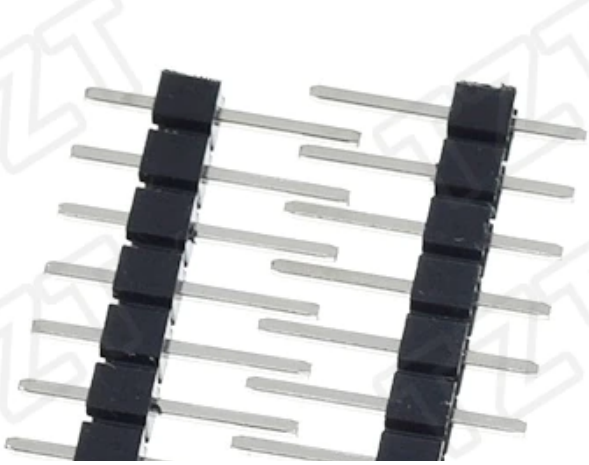
22.90mm
17.90mm
33.0mm
17.70mm
36.80mm
Pro Micro
MEGA32U4

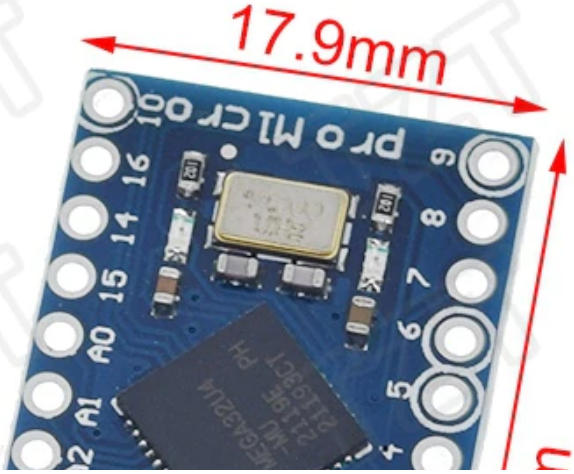


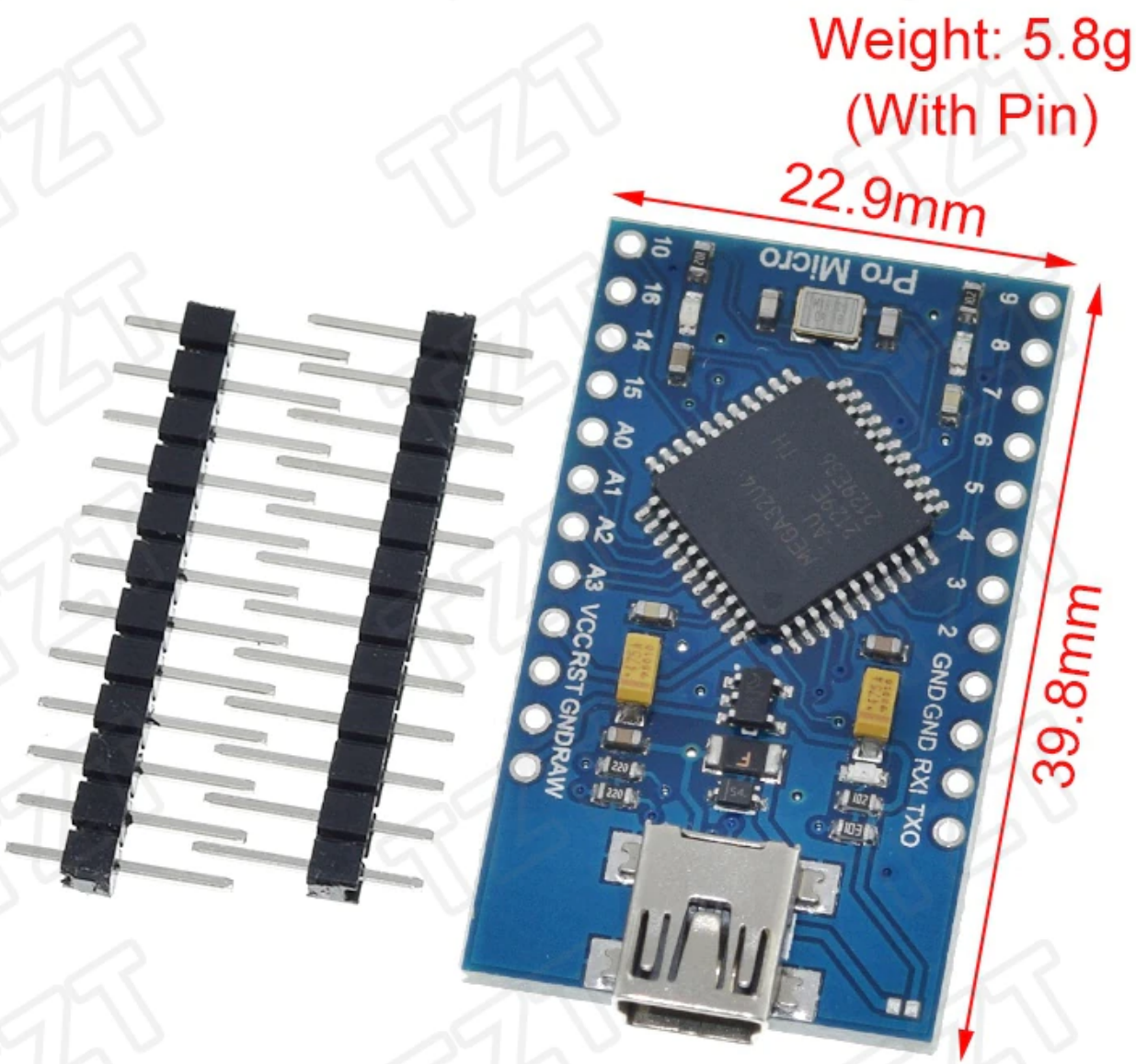

Pro Micro
MEGA32U4
2145E PH
2118UGK
2118V1C
TXD RXI GND GND
RAW GND RST VCC A3 A2 A1 A0 15 14 16 10
USB1
GND GND RXI TXD
SJ1
VCC RST GND RAW
A0 A1 A2 A3
R7R5C6
D2
R2R10
C1
C2
C3
C4
C5
C6
C7
C10
D1
D3
R4
R6
R3R4
R1R2
C1
C2
C3
C4
C5
C6
C7
LED2
LED3
R5
R6
R7R5C
D2
R2R10
SJ1



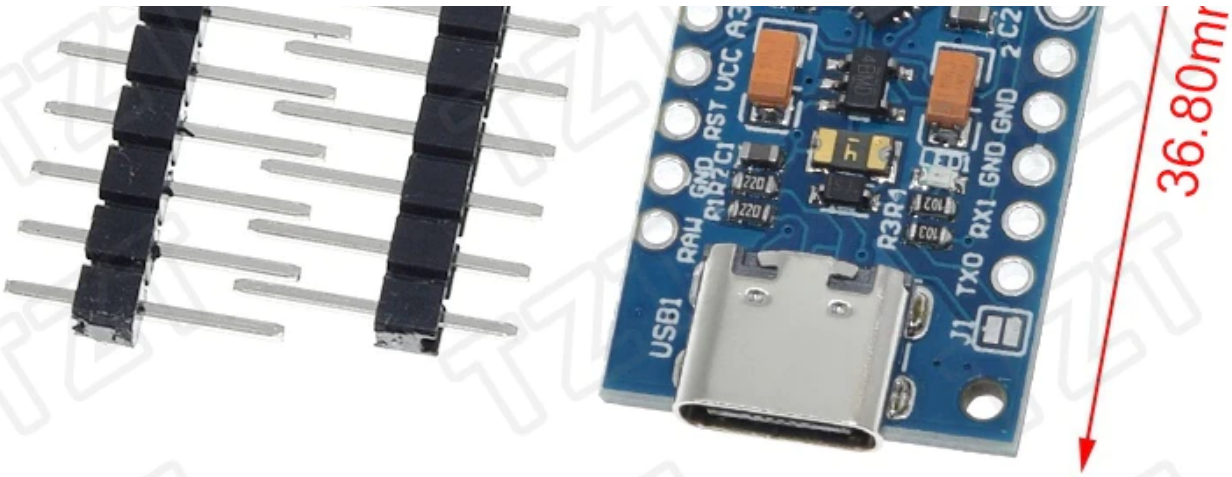
Weight: 4.3g
(With Pin)







Mini USB 32U4



Type-C USB 32U4