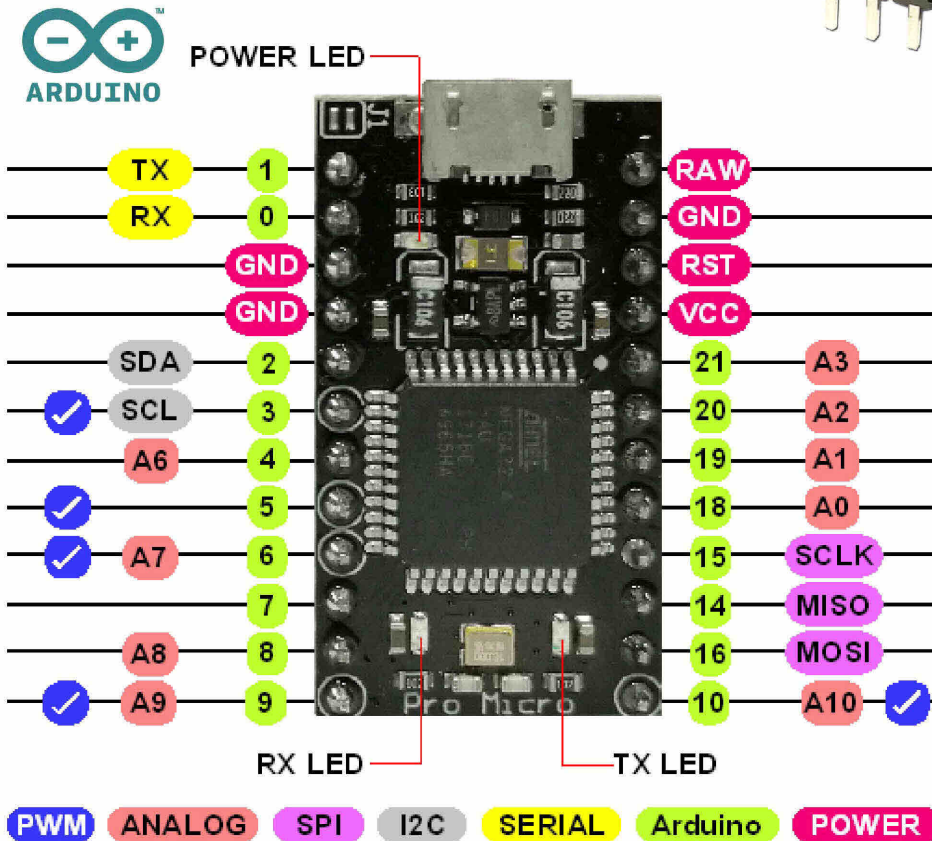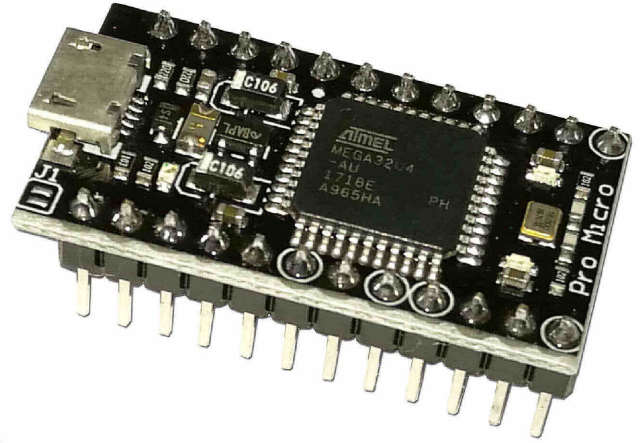# PRO-MICRO 32U4 (C-YA-A-00243)

PRO-MICRO 32U4 is a complete board from abroad that uses AVR MCU; programs can be developed by C or C++ Language of Arduino. This Board version uses MCU No.ATMEGA32U4 that has USB PORT inside; so, it can connect to USB PORT of computer directly. This Board is designed as a compact, so it can be assembled and designed to be a part of I/O easily.

ARDUINO

POWER LED

TX	1		RAW	
RX	0		GND	
GND			RST	
GND			VCC	
SDA	2		21	A3
SCL	3		20	A2
A6	4		19	A1
	5		18	A0
A7	6		15	SCLK
	7		14	MISO
A8	8		16	MOSI
A9	9		10	A10

RX LED   **TX LED**

PWM ANALOG SPI I2C SERIAL Arduino POWER

OPTION: Cable USB/MICRO
CABLE USB/MICRO 1M
(A-CB-A-00045)

Cable USB is 1 meter long. One terminal is Connector TYPE A for connecting to computer and another one side is Connector MICRO USB TYPE B MALE for connecting to board.

SPECIFICATIONS

- Use ATMEGA32U4 as TQFP 44PIN; RUN Frequency 16 MHz
- 32 KBYTE FLASH, 2.5KBYTE RAM, 1 KBYTE EEPROM
- Have USB 2.0 CONTROLLER inside MCU to connect to computer for writing and developing program by Program Arduino directly
- PIN HEADER 2x12 (2.54 mm.) is externally connected as I/O PIN
- 4 PIN A/D 10 BIT
- 12 PIN DIGITAL I/O
- 2 PIN TX, RX TTL
- 6 PIN GND, VCC, RST, RAW
- 3 LED ON BOARD, 1 POWER, 1 TX, 1 RX
- Use MIC5219 5V to be LDO VOLTAGE REGULATORS/500mA. 12VDC INPUT MAX
- This Board from ETT does not set any JUMPER, it uses POWER SUPPLY from USB and MCU runs at 3.3V

BORAD Size: 3.3 x 1.8 CM.

*** All Board PRO-MICRO 32U4 from ETT has already been checked and tested before sale. ***

Further Information

- For more information about Circuit, please read http://www.etteam.com/prod2018/PRO-MICRO%2032U4/PRO-MICRO%2032U4.html
- For more information about PRO-MICRO, please read https:/github.com/sparkfun/Pro_Micro

(*** This Board is imported from abroad, there is no any warranty for this model ***)

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