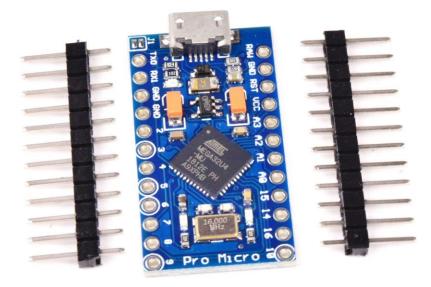


Arduino-compatible Pro Micro Atmega32U4 5V, 16MHz



The Pro Micro Atmega32u4 is a small, breadboard-friendly microcontroller board. It has an operating voltage of 5V and a clock speed of 16 MHz, making it suitable for a wide range of applications. The ATmega32U4 microcontroller has 32KB of flash memory, 2.5KB of SRAM, and 1KB of EEPROM, and features built-in USB support, which eliminates the need for a separate USB-to-serial converter. The Pro Micro is commonly used for DIY electronics projects, hobbyist inventions, and educational purposes, and is ideal for projects that require a compact and low-cost microcontroller board.

There is a voltage regulator on board which can accept a power supply of 6-9VDC (max. 10V). Make sure to connect the input voltage to the RAW pin and not VCC (5V).

The Pro Micro was developed as open hardware by Sparkfun.

A pair of pin headers are included (require soldering).

Features:

- ATmega32U4 running at 5V/16MHz
- Supported under Arduino IDE v1.0.1 and above
- On-Board micro-USB connector for programming
- 9 x 10-bit ADC pins
- 12 x Digital I/Os (5 are PWM capable)
- Rx and Tx Hardware Serial Connections
- Dimensions: 34 x 18mm