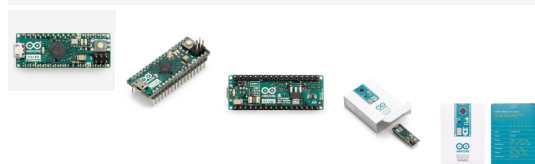
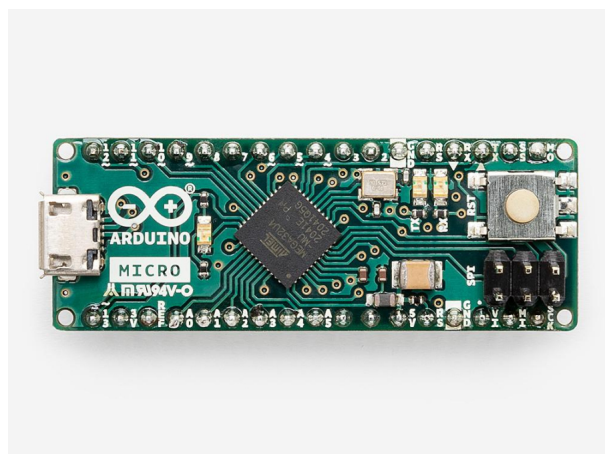


ARDUINO Micro



The Micro comes with a built-in USB which makes the Micro recognizable as a mouse or keyboard.

Rating: Not Rated Yet

Price

29,00 €

Discount

3-5 Days



[Ask a question about this product](#)

Manufacturer [Arduino](#)

Description

ARDUINO Micro

The Micro is a microcontroller board based on the ATmega32U4 ([datasheet](#)), developed in conjunction with [Adafruit](#). It has 20 digital input/output pins (of which 7 can be used as PWM outputs and 12 as analog inputs), a 16 MHz crystal oscillator, a micro USB connection, an ICSP header, and a reset button. It contains everything needed to support the microcontroller; simply connect it to a computer with a micro USB cable to get started. It has a form factor that enables it to be easily placed on a breadboard.

The Micro board is similar to the Arduino Leonardo in that the ATmega32U4 has built-in USB communication, eliminating the need for a secondary processor. This allows the Micro to appear to a connected computer as a mouse and keyboard, in addition to a virtual (CDC) serial / COM port.

Related Boards

If you are looking at upgrading from previous Arduino designs, or if you are just interested in boards with similar functionality, at Arduino you can find:

- **Arduino Leonardo**
- **Arduino Micro without headers**
- **Arduino Nano**
- **Arduino Nano 33 BLE**
- **Arduino Nano 33 BLE Sense**
- **33 IoT**

Getting Started

Find inspiration for your projects from our tutorial platform [Project Hub](#).

You can find in the [Getting started with the Arduino Micro](#) section all the information you need to configure your board, use the [Arduino Software \(IDE\)](#), and start tinkering with coding and electronics.

From the [Tutorials](#) section you can find examples from libraries and built-in sketches as well other useful information to expand your knowledge of the Arduino hardware and software.

Technical Specifications

Microcontroller	ATmega32U4
Operating Voltage	5V
Input Voltage (recommended)	7-12V
Input Voltage (limit)	6-20V
Digital I/O Pins	20
PWM Channels	7
Analog Input Channels	12
DC Current per I/O Pin	20 mA
DC Current for 3.3V Pin	50 mA
Flash Memory	32 KB (ATmega32U4) of which 4 KB used by bootloader
SRAM	2.5 KB (ATmega32U4)
EEPROM	1 KB (ATmega32U4)
Clock Speed	16 MHz
LED_BUILTIN	13
Length	48 mm
Width	18 mm
Weight	13 g

Documentation

OSH: Schematics, Reference Design, Board size

Arduino / Genuino Micro is open-source hardware! You can build your own board using the following files:

[EAGLE FILES IN .ZIP](#)

[SCHEMATICS IN .PDF](#)

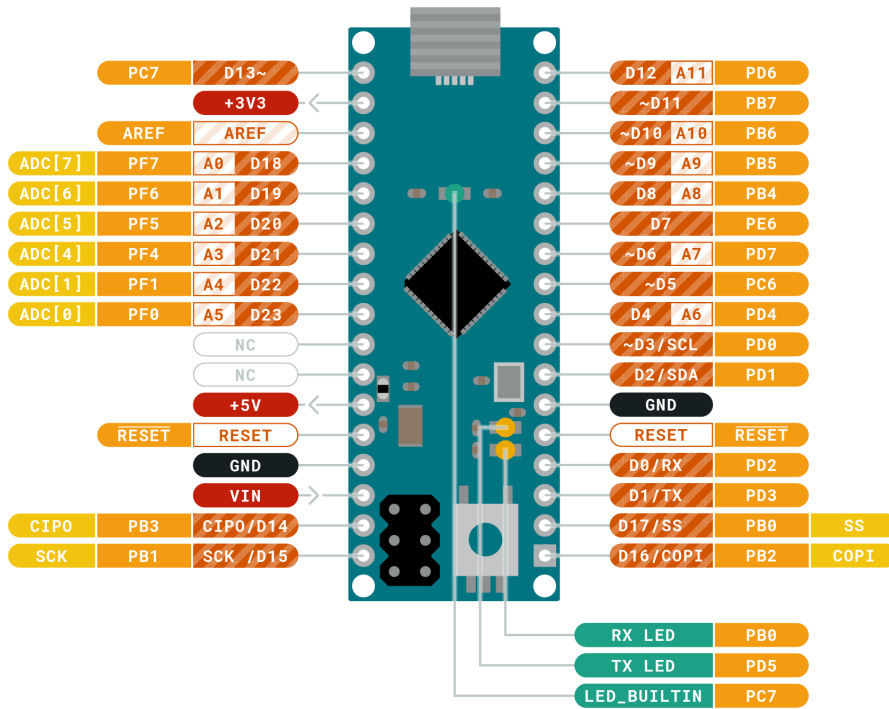
[BOARD SIZE IN .DXF](#)

[FRITZING IN .FZPZ](#)

Pinout Diagram



ARDUINO MICRO



Ground	Internal Pin	Digital Pin	Microcontroller's Port
Power	SWD Pin	Analog Pin	
LED	Other Pin	Default	

ARDUINO.CC

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Download the full pinout diagram as PDF [here](#).

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