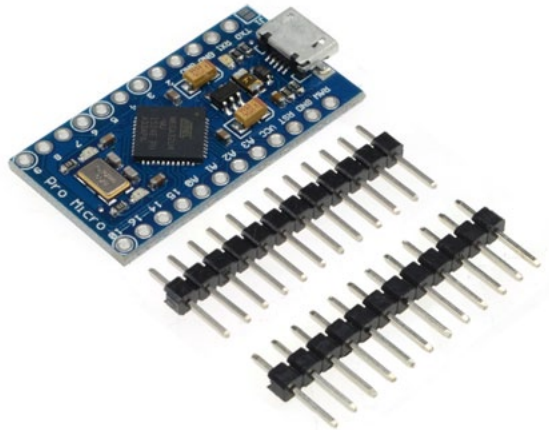


## ARD 2 **Arduino Compatibles**

Controllers, Shields, Modules & Sensors

### **Pro Micro Development Board** ARD2-0060

- **12 Digital I/O pins of which 5 provide PWM output**
- **4 Analog Input pins**
- **16MHz Quartz Oscillator**
- **Based on the ATmega32U4 IC**



#### **Description**

The Pro Micro is an Arduino-compatible microcontroller development board based on the ATmega32U4 IC. It is based around the Leonardo, which means you no longer need an addition USB-Serial Interface to program your goods. Just plug in the board, download the add-ons and start programming!

The board is broken down into 24 individual pins and has 3 indication LEDs, one of which is dedicated to power. It features 4 channels of 10-bit ADC, 5 PWM pins, 12 DIOs as well as hardware serial connections Rx and Tx. It runs on 5V at 16 MHz and can also run on 12V supplied to the 'RAW' pin.

The Pro Micro is perfect for use with ARD2 Arduino-compatible controllers, shields, modules and sensors to build your next DIY project.

#### **Specifications**

<b>Microcontroller</b>	ATmega32U4
<b>Operating Voltage (logic level)</b>	5V
<b>Input Voltage (recommended)</b>	5–12V
<b>Digital I/O Pins</b>	12 (of which 5 provide PWM output)
<b>Analog Input Pins</b>	4
<b>DC Current per I/O Pin</b>	40mA
<b>Flash Memory</b>	32KB (2KB is used by bootloader)
<b>SRAM</b>	2KB
<b>EEPROM</b>	1KB
<b>Clock Speed</b>	16MHz Quartz Oscillator
<b>Dimensions</b>	33mm x 17.8mm

