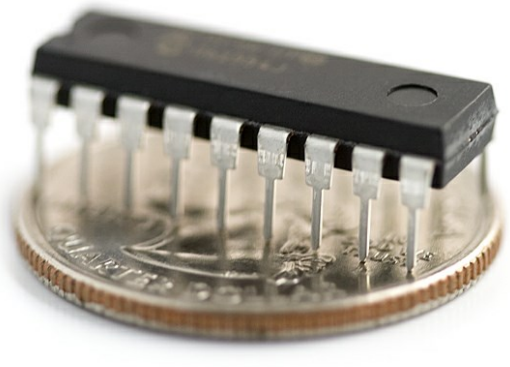
PICAXE 18M2+ Microcontroller (18 pin)

COM-10187 ROHS

4



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Previous Versions

DESCRIPTION DOCUMENTS

The new generation 18 pin PICAXE microcontroller now has parallel tasking, touch sensors and more memory/RAM.

See the Info Sheet for a comparison of features between the 18M2 and the 18M2+

PICAXE is a neat entry-level microcontroller system that is relatively cheap to get started with. The chip is programmed with a simple serial connection and the BASIC development environment is free! PICAXE has some excellent educational applications and support, and is a great entryway into more complicated embedded systems. If you're look for a place to start with microcontrollers, PICAXE is a great way to go!

Replaces:COM-08309

PICAXE 18M2+ Microcontroller (18 pin) Product Help and Resources

SKILLS NEEDED

Core Skill: **Soldering**

This skill defines how difficult the soldering is on a particular product. It might be a couple simple solder joints, or require special reflow tools.

2

Skill Level: Rookie - The number of pins increases, and you will have to determine polarity of components and some of the components might be a bit trickier or close together. You might need solder wick or flux.
See all skill levels

Core Skill: **Programming**

If a board needs code or communicates somehow, you're going to need to know how to program or interface with it. The programming skill is all about communication and code.

3

Skill Level: Competent - The toolchain for programming is a bit more complex and will examples may not be explicitly provided for you. You will be required to have a fundamental knowledge of programming and be required to provide your own code. You may need to modify existing libraries or code to work with your specific hardware. Sensor and hardware interfaces will be SPI or I2C.
See all skill levels

Core Skill: **Electrical Prototyping**

If it requires power, you need to know how much, what all the pins do, and how to hook it up. You may need to reference datasheets, schematics, and know the ins and outs of electronics.

Skill Level: Competent - You will be required to reference a datasheet or schematic to know how to use a component. Your knowledge of a datasheet will only require basic features like power requirements, pinouts, or communications type. Also, you may need a power supply that?s greater than 12V or more than 1A worth of current.

COMMENTS 17 | REVIEWS ★★★★½ 4

Customer Reviews

★★★★½ 4.5 out of 5

Based on 4 ratings:

5 star	2
4 star	2
3 star	0
2 star	0
1 star	0

Currently viewing all customer reviews.

★★★★★ Love it!

about 2 years ago by dennis3 ✔ verified purchaser

I use Picaxe mc to animate features on my garden railroad. For simple features like an oil pump jack, the 08M series works fine. For more complex features such as a fire station with an overhead garage door, a fire truck that moves in and out with flashing red light and working headlights, I use the 18M series. The ability to control multiple servo and stepper motors from a single mc and all the other features makes it ideal for my projects. Programming in BASIC makes it simple and the Picaxe editor allows me to test my programs even before I get the 18M out of its box. I started using Picaxe mc after using Basic Stamp 2sx at a chip became too expensive for projects on the garden railroad. At per chip, I can by 12 18M mc for the same price.

★★★★☆

about 2 years ago by Member #755425 ✔ verified purchaser

New to this stuff and bringing my Ho scale amusement park to life!

★★★★★ As expected

about 2 years ago by Member #831497 ✔ verified purchaser

Item worked as expected and prompt delivery.

★★★★☆ Don't know

last year by Member #399399 ✔ verified purchaser

Put it in a drawer as it took 12 days to receive it. I ordered another from Ca. and got it in 3 days. Still FedUp with FedEx.

2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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