



The NCP1402 is a 3.3V DC-DC converter. The breakout board will accept voltage inputs between 1 and 3 Volts (such as 1 or 2 AA batteries) and output a constant, low ripple 3.3V output capable of sourcing up to 200 mA. This board is great for supplying power to 3.3V sensors or providing 3.3V from a single AA battery.

The breakout board includes the necessary peripheral components. The input, output and ground pins are broken out on a 0.1" grid to allow easy access on a breadboard.



images are CC BY 2.0

SHARE

Previous Versions

SparkFun 3.3V Step-Up Breakout - NCP1402 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.



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: 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: Rookie - You may be required to know a bit more about the component, such as orientation, or how to hook it up, in addition to power requirements. You will need to understand polarized components.

See all skill levels

Customer Reviews

★ ★ ★ ★ 4.8 out of 5

Based on 4 ratings:

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

Currently viewing all customer reviews.

0 of 1 found this helpful:

★ ★ ★ ★ Works As Advertized

about 3 years ago by Member #678897

Tested with several loads and variable power supply – worked per specs. Good product.

An advantageous amalgamation of size, function and performance.

★ ★ ★ ★ Cheap and as Advertised

about 2 years ago by Member #458741

These little boards are awesome for AAA and AA battery projects for small circuits. Very easy to use, and it works as advertised.

0 of 1 found this helpful:

★ ★ ★ ★ Mot Useful small package item ...

about 2 years ago by Member #727438

This is the most useful kit for anyone who intends to design low power battery operated projects.

An advantageous amalgamation of size, function and performance.

★ ★ ★ ★ Brilliant For Micro FPV

about 2 years ago by Member #500441

I picked up a couple of these to power some micro FPV systems I built using 600 line video cameras and 10mW 5.8GHz video transmitters and they work great. Even with brushed motors under load the video quality remains noise-free.

START SOMETHING



SUBSCRIBE TO NEWSLETTER

SUBSCRIBE TO NEWSLETTER

In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 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.

About Us	Help
About SparkFun	Customer Service
SparkFun Education	Shipping
Feeds	Return Policy
Jobs	FAQ
Contact	Chat With Us
Programs	Community
Become a Community Partner	Forums
• Community Stories	SparkFun IRC Channel
Custom Kit Requests	Take the SparkFun Quiz
Tell Us About Your Project	SparkFun Kickstarter Projects
Sell Your Widget on SparkFun	Distributors
Become a SparkFun Distributor	
Large Volume Sales	

What's on your mind?

For which department?

Please include your email address if you'd like us to respond to a specific question.

email address

SUBMIT