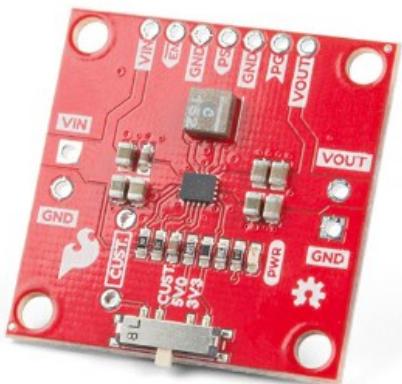


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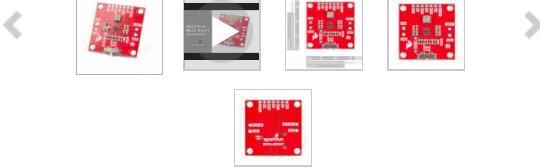
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SparkFun Buck-Boost Converter

[COM-15208](#)[DESCRIPTION](#)[FEATURES](#)[DOCUMENTS](#)

- Input voltage range of 3-16V
- Output voltage adjustable from 2.5-9V
- Three selectable output voltages: 3.3V, 5V, or custom
- GPIO broken out for additional control
- Operating die temperature range of -40 to +125°C
- Optional Heatsink
- Up to 95% Efficiency
- Overtemperature Protection

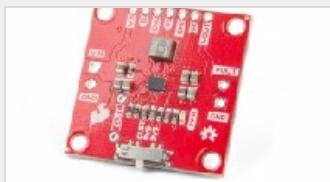
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[SPARKFUN ORIGINAL](#) [TPS63070](#)

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SparkFun Buck-Boost Converter Product Help and Resources

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Buck-Boost Hookup Guide

MAY 10, 2019

This tutorial shows you how to hook up and use the SparkFun Buck-Boost board.

[COMMENTS 9](#)[REVIEWS 0](#)

Comments

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 **Red Squirrel** / last year / ★ 2

This is exactly what I needed! Only issue is that its designed for screw terminals rather than pin headers.

 **Member #358569** / last year / ★ 3

Looks like Vin, Vout and 2x GND are duplicated on the 0.1" spaced holes on top, which you can put a header on!

 **Red Squirrel** / last year / ★ 2

Good observation, thanks you :)

 **EBeamBob** / last year / ★ 1

The ENABLE input on the TPS63070 is active high (as evidenced by the 10k pullup), but it's labeled with the inversion bar on the silkscreen and schematic as if it was active low. I recommend removing the bar in the next revision.

 **scicior** / last year * / ★ 1

But how much current can it put out??? O.K., now I see the graphs near the end of the hookup guide. Thanks,
- Steve

 **Alex the Giant** / last year / ★ 1

The current rating is listed because it depends on a few factors. The board can handle **up to** 2A of current. The hookup guide provides a few graphs for how much current you can expect based on the input and output voltage, and if a heatsink is used.

https://cdn.sparkfun.com/assets/learn_tutorials/8/9/5/Maximum_Output_Current_Graphs.png

 **sailer** / last year / ★ 1

It would help if those graphs (or a slightly more formatted version) were included in the photo list up by the product. The first question I ask when looking at a regulator is how much current, and having to go all the way to the end of the hookup guide seems a bit excessive.

 **Santa Claus Impersonator** / last year / ★ 1

I don't think we can add those charts to the images, that is usually used specifically for images of the product itself. However, I'll see if we can get the graph linked under the **Documents** tab.

 **Member #1375977** / about 6 months ago / ★ 0

What is the Mouting hole dimension? What is the In & Out screw terminal dimension?



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