

Buck-Boost Converter

COM-15208

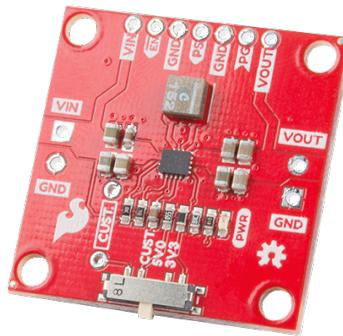
Product Overview

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Description

The SparkFun COM-15208 Buck-Boost Converter is designed to fine-tune power for projects and applications. This converter takes an input voltage of anywhere from 3V-16V and regulates an output voltage between 2.5V-9V. The switch on the bottom of the board helps in setting the standard output voltages of 3.3V and 5V. The COM-15208 Buck-Boost Converter features a custom setting that allows to solder a resistor based on custom voltage needs. For more control, the GPIO pins have broken out along the top of the board.



The Buck-Boost converter uses a switching DC/DC converter for voltage control. It is more efficient than a linear regulator. It also has built-in over-temperature protection and an optional heatsink, which helps achieve a 95% efficiency rating.

Features

- 3V-16V input voltage range
- 2.5V-9V adjustable output voltage range
- Three selectable output voltages: 3.3V, 5V, or custom
- GPIO is broken out for additional control
- -40°C to 125°C operating die temperature range
- Optional heatsink
- Up to 95% efficiency rating
- Over-temperature protection

Mouser Part Number

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