

Adjustable/Fixed Output Buck Regulator Mount



Bill Ruehl

[VIEW IN BROWSER](#)

updated 24. 4. 2023 | published 24. 4. 2023

Summary

This mount makes using these in your project a snap.

[Hobby & Makers](#) > [Electronics](#)

Tags: [arduino](#) [electronics](#) [regulator](#) [5volt](#)

These little guys are pretty nice, but BOY are they tiny and hard to mount. This mount allows them to be mounted in your project, but also allows them to be slid out for replacement, or soldering. The first version I did was full length, then I shortened the case so you could still read the contact legend on the back side. These regulators are very efficient and can be adjustable, or fixed easily depending on your needs. The other plus? They are CHEAP!

DC 4.5-24V 12V 24V to 5V 3A Volt Buck Converter Power Supply Transformer Module

<https://amzn.to/3AmoHOK>

INSTRUCTIONS FOR USE:

OUTPUT VOLTAGE:

integrated adjustable (adjustable potentiometer on the board) and fixed output, fixed output voltage can be selected on the back, adjustable range (0.8-17V), fixed voltage (1.8V 2.5V 3.3V 5V 9V 12V), method As shown:



Adjustable voltage output by default, fixed output voltage if needed.

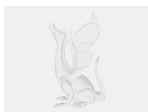
STEP 1: Use a knife to cut off the circuit in the red frame (along the black line)

STEP 2: Solder the pad with solder at the voltage position you need. For example, if a fixed output of 5V is required, just weld the connection according to the position of the red frame.

Model files



5vdc-regulator.3mf



5vdc-regulator.sldprt

License

This work is licensed under a
Creative Commons (4.0 International License)



Attribution—Noncommercial—Share Alike

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✗ | Commercial Use
- ✗ | Free Cultural Works
- ✗ | Meets Open Definition