PENELOPE

Powerba**n**k K**e**ep Al**i**ve L**o**ad **P**uls**e**r

This ***USB Power Bank Keep Alive*** version 3.0 is a simple to install module that allows DIY people to easily keep their USB power bank from deactivating at the most inconvenient times during Coplay or fighting villains!
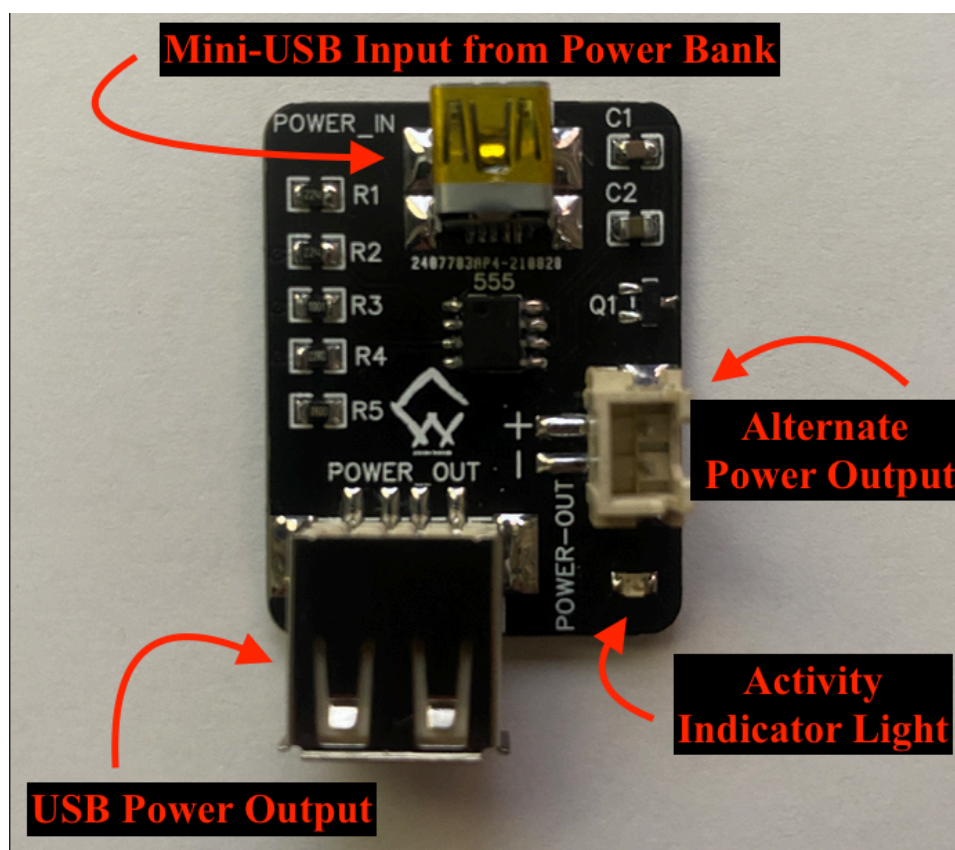
Board size: 28mm x 35mm

Includes: SMT USB module

The board is intended to work with most 5V USB power banks to power LEDs and servos commonly used in Cosplay costumes like Iron Man.

Thank you for your purchase, we hope you enjoy using our system and wish you the best with your project.

*** USB cables are not included. Power input connector is a USB-Mini (same as on an Arduino Nano), power output is a USB-A (Standard Size), & the Alternate power output connector is a JST-XH 2.54 2-pin connector ***

Following the labeling on the board: **Power_In** (Mini USB) connects to your USB Power bank & **Power_Out** (Standard USB) connects to the device you want to power. Alternatively you can use the "**alternate power output**" connection with your own wiring if you choose. *The Alternate power connections are labeled + (Positive) and – (Negative / Ground)*. While the board is operating the LED Activity light will flash every few seconds.

If you are looking for 3D printable file kits for Iron Man helmet motorization, you can visit the Crash Works 3D Thingiverse page, which contains kits and documentation for the Iron Man MK7, Iron Man MK46, and Iron Man MK85 helmets.

https://www.thingiverse.com/crashworks3d/designs

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