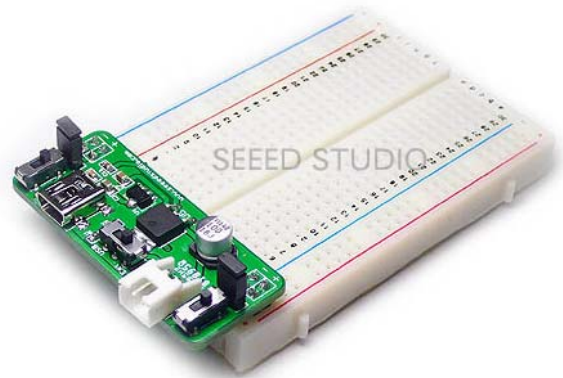


Overview

Adjustable Breadboard Power supply

- 5V/3.3V regulated voltage
- Dual lane output
- Separate power selection for each lane
- Dual power port input
- Special designed for Breadboard usage



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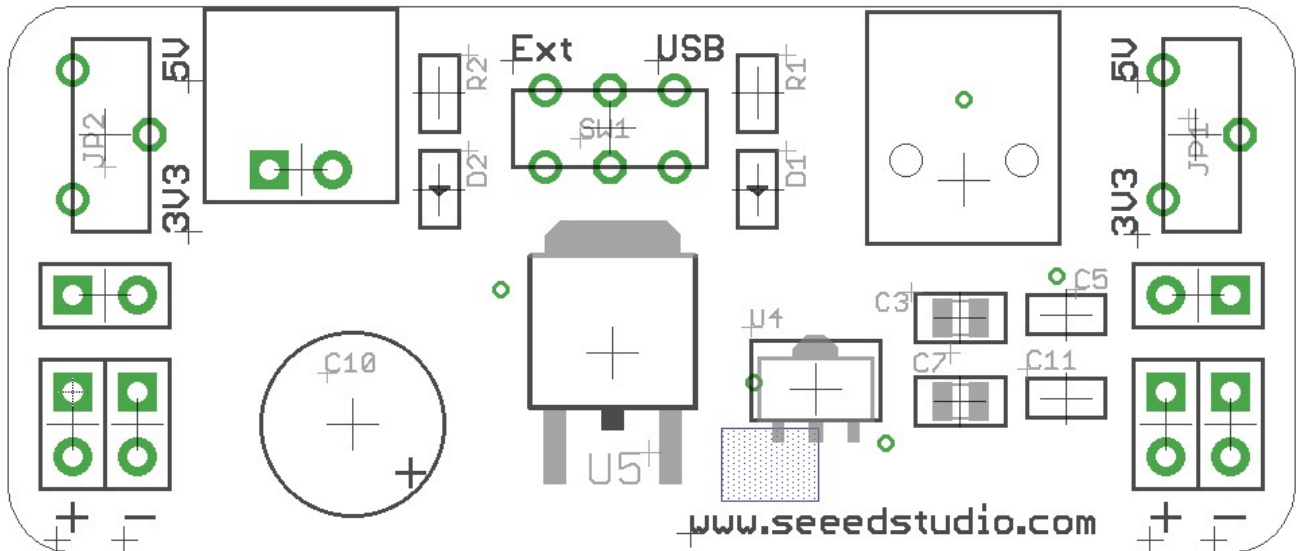


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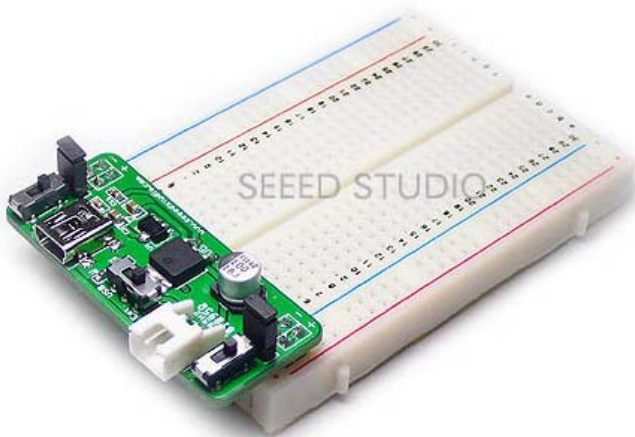
Specifications

Specification	Conditions	Min	Typ	Max	Unit
Input voltage		5.0	6.5	12.0	V
Output Voltage	Channel 3.3V	3.235	3.3	3.365	V
	Channel 5V: $10\text{mA} \leq \text{IOUT} \leq 1\text{A}$, $6.5\text{V} \leq \text{VIN} \leq 12\text{V}$	4.900 0	5.0	5.100	V
Current Limit	$\text{VIN}-\text{VOUT}=2\text{V}$	1.2	1.35		A
Ripple Rejection	$f=120\text{Hz}$, $\text{COUT}=22\mu\text{F}$ Tantalum, $\text{VIN}-\text{VOUT}=3\text{V}$, $\text{IOUT}=1\text{A}$	50	70		dB
Temperature Stability			0.5		%

System Block Diagram



Hardware Installation



1. Align the polarity of pin header to breadboard. (Usually Red for +, Blue for -)
2. Plug the supply board to breadboard completely.

Now you may de-activate power by the two jumpers, or adjust the vertical switches to select different voltage. The horizontal switch is used to select JST 2 pin or mini USB cable as input.

Revision History

Rev.	Descriptions	Release date
V1.0b	Initial release	11/16/09