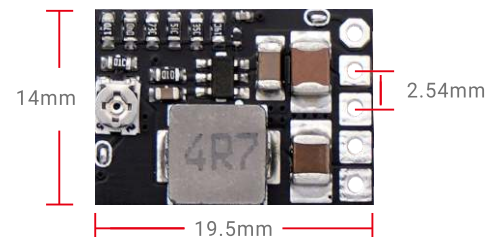




Parameters:

Type: Non-isolated step-down module (synchronous rectification)
 Input voltage: DC 4.5-20V
 Output voltage: Integrated adjustable and fixed output, fixed output voltage can be selected on the back. Adjustable range: 1-16V, Fixed voltage: 1.8V, 2.5V, 3.3V, 5V, 9V, 12V
 Output current: 2A (peak: 3A, long-term: within 2A)
 Power: 10W
 Output current: 10A
 Conversion efficiency: Up to 97% (typical value: >90% when 12V turns to 5V 2A)
 Switching frequency: 800KHz
 Output ripple: typical value 20mV
 Working temperature: -40°C to +85°C (the higher the ambient temperature, the smaller the output power)
 Output overvoltage protection: None
 No-load current: <1 mA
 Load regulation rate: ±2%
 Voltage adjustment rate: ±2%
 Dynamic response speed: 5% 200uS
 Output short circuit protection: Yes, but please do not keep short circuit for a long time
 Input reverse connection protection: None
 Enable control: Yes, high level work, low level stop work, high level is 2-5V, low level is about 0V. Default internal with pull - up to input positive pole.
 Wiring method: Welding
 Input method: Welding
 Output method: Welding/pin header
 Welding hole spacing: 2.54 mm

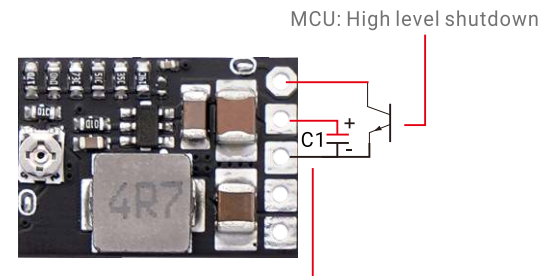
Front View of the Module:



Back View of the Module:



Wiring and Structure:

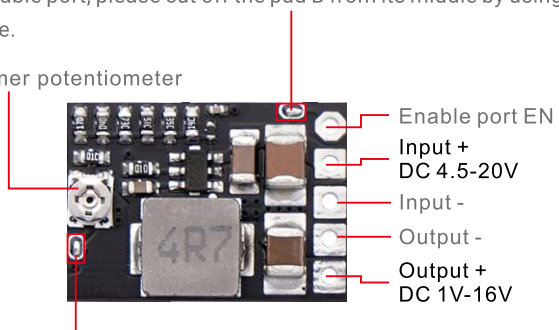


C1: 100uf or so 25V electrolytic capacitor

Enable port control pad B:

When this port is welded together, the enable port is invalid, which is default setting before leaving factory. If want to enable the enable port, please cut off the pad B from its middle by using a knife.

Trimmer potentiometer



Adjustable potentiometer and fixed output switching pad A:

Weld this port together to use the trimmer potentiometer to adjust voltage. If you want to get fixed voltage output, please cut off pad A from the middle by using a knife, then weld together the port of the fixed voltage you want.

NOTE: Default pad A being welded together before leaving the factory.

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on Amazon:**



12v to 5v buck converter

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