

CONRAD BN-2134134 Voltage Step Down Module Instructions

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BN 2134134
Voltage Step Down Module
EN Quick Instructions
Version: 2

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Do not to touch connections carrying voltages above 25 V/AC or 35 V/DC.

- Be especially careful when dealing with voltages higher than 25 V alternating (AC) or 35 V direct voltage (DC)! Even at these voltages, it is possible to receive a fatal electric shock if you touch electrical conductors.

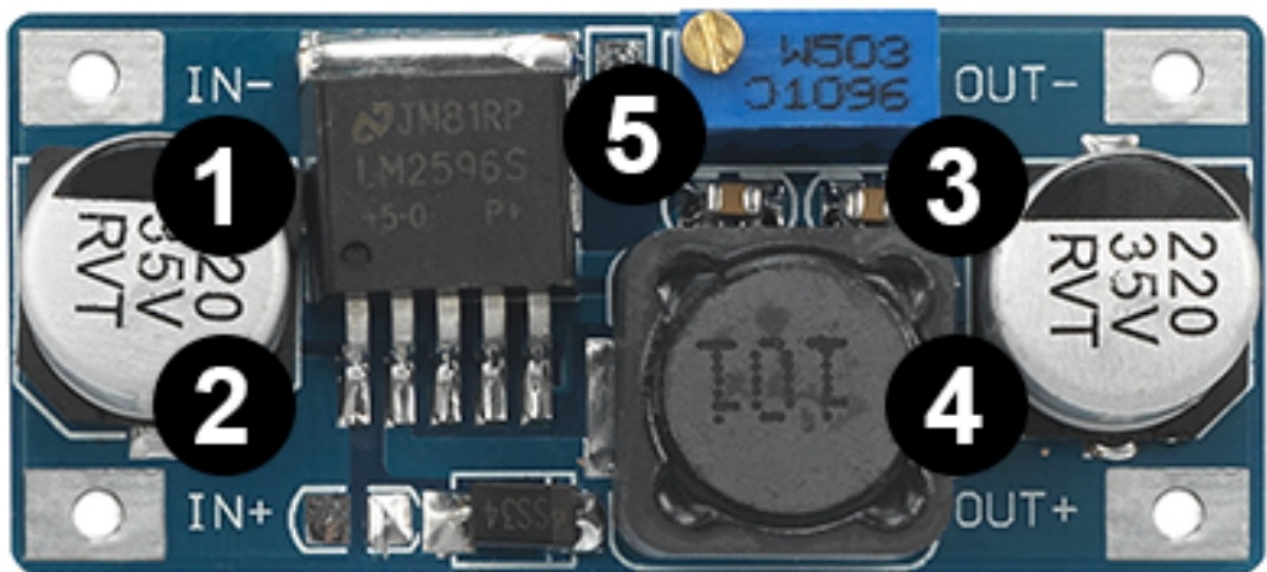
Delivery Content

- Module

Description

The module is a buck converter. The output voltage is adjustable. Refer to the Specification section for details on technical data.

Pinout / Pin Map



Indicator	Pin	Description
1	I N-	Voltage in (-)
2	I N+	Voltage in (+)
3	OUT-	Voltage out (-)
4	OUT+	Voltage out (+)
5		Output voltage adjustment (use a suitable screwdriver)

Specifications

Input Voltage	4.5 – 35 V
Output Voltage	1.5 – 35 V (Adjustable)
Output Current	Rated: 2 A Maximum: 3 A (Heat sink is required)
Conversion Efficiency (Efficiency increases with higher voltages)	max. 92 %
Switching Frequency	150 kHz
Rectifier	Non-synchronous rectification

Module Properties	Non-isolated step-down module (buck)
Short Circuit Protection	Current limiting
Operating Temperature	-40 to +85 °C when output power 510 W
Full Load Temperature Rise	40 °C
Load Regulation	± 0.5 %
Voltage Regulation	± 2.5 %
Dynamic Response speed	5 % 200 ps
Dimensions (approx.) (L x W x H)	43 x 20 x 14 mm
Weight (approx.)	12 g

Disposal



Electronic devices are recyclable waste and must not be disposed of in the household waste. At the end of its service life, dispose of the product in accordance with applicable regulatory guidelines. You thus fulfill your statutory obligations and contribute to the protection of the environment.

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Documents / Resources

