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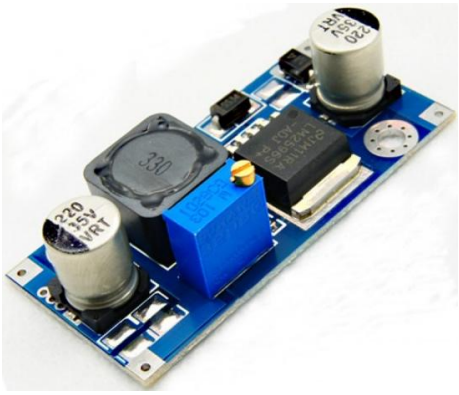
Arduino LM2596 DC-DC Adjustable Step down Voltage Converter



The LM2596 regulator is monolithic integrated circuit ideally suited for easy and convenient design of a step−down switching regulator (buck converter). It is capable of driving a 3.0 A load with excellent line and load regulation. This device is available in adjustable output version and it is internally compensated to minimize the number of external components to simplify the power supply design

Features:

- Input voltage range: 2.0 to 40Vdc.
- Output voltage range: 1.5 - 35Vdc.
- Output rated current: 2A.
- Output maximum current: 3A (need to add heat sink).
- Conversion efficiency: 92%.
- Switching frequency: 150 kHz.
- Pin out:
- IN+ = Input voltage
  IN- = Ground
  OUT+ = Output voltage
  OUT- = Ground
- Weight: 12g

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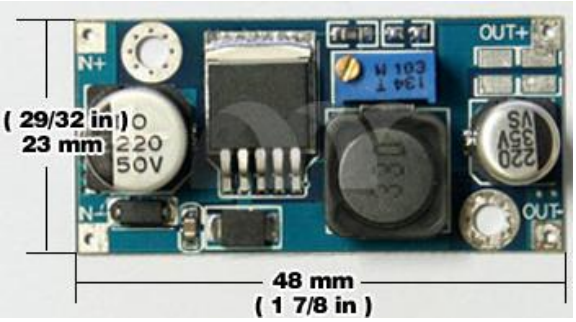
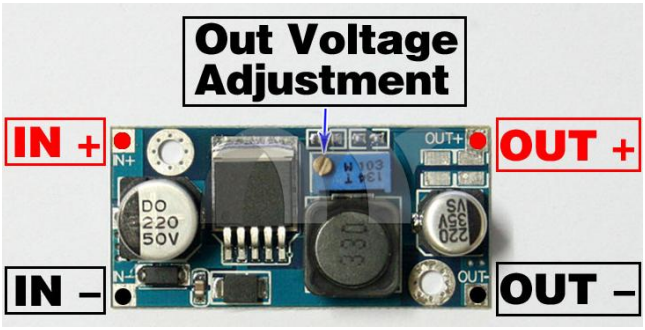
Dimension:



Pins out:



Schematic: