

Description

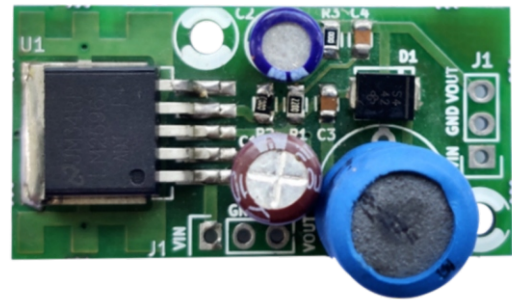
The 12V-5V, 12V-3.3V, up to 3 Amps Buck Regulator module is a step-down converter capable of driving 3A load with excellent line and load regulation. These devices are available in fixed output voltages of 3.3 V, 5 V version. The LM2596 series operates at a switching frequency of 150kHz, thus allowing smaller sized filter components than what would be required with lower frequency switching regulators. This device is internally compensated to minimize the number of external components to simplify the power supply design.

Features

- Input voltage:3-40V
- Output voltage:5V, 3.3V
- Output current: Rated current is 2A, maximum 3A(Additional heatsink is required)
- Switching Frequency: 150KHz
- Operating temperature: Industrial grade (-40 to +85°C)
- Module Properties: non-isolated constant voltage module
- Rectification: non-synchronous rectification
- Short circuit protection: current limiting, since the recovery
- Rugged and Reliable

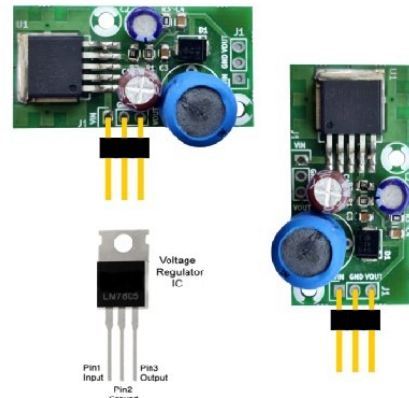
Target Area

- Prototyping & testing
- Development Boards
- Compatible with arduino uno etc.,



Header Breakout Board

Usage Example



Buck regulator can be used as a direct replacement of L7805 regulator

Mechanical Information

