

Mini MP1584 DC-DC 3A Adjustable Buck Module

The Mini MP1584 DC-DC 3A Adjustable Buck module is ultra small adjustable 0.8V to 20V output DC to DC step-down Buck converter uses an MP1584EN high frequency switching regulator and integrated high voltage power MOSFET. It features soft start, thermal shutdown, and under-voltage lockout (UVLO) to protect the module from operating at the insufficient supply voltage. Small size, light weight, low internal power consumption, and wide input voltage range of 4.5V to 28V makes this module suitable for a variety of different applications where small size and lightweight voltage conversion is needed, including RC cars and airplanes, quadcopters, robotics, Arduino modules, and DIY devices.

Quick Overview:

- Input Voltage: 4.5V – 28V
- Output Voltage: 0.8V – 20V
- Output Voltage Adjustment: On-board potentiometer
- Output Current: 1.8A (typical), 3.0A (max).
- Ceramic Capacitor Stable
- Internal Soft-Start
- Internally Set Current Limit without a Current Sensing Resistor

Applications:

- DIY 8051 / AVR / ARM / PIC / Arduino / Raspberry-Pi projects
- Robotics
- Breadboard power supply
- Manual speed adjustment of small DC motors
- Power Supply for RC project planes, cars, helicopters
- Universal Battery Elimination Circuit or 2S-6S lipo battery pack
- Receiver/servo power supply
- Communications equipment power supply
- Mobile equipment power supplies

Note:

Set voltage using a voltmeter and adjust to proper output voltage before installing in your device.