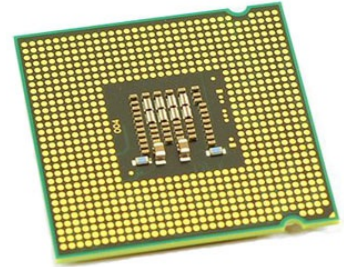


1A, 36V DC/DC μ Module; Package: LGA; No of Pins: 50; Temperature Range: -40°C to +85°C

Manufacturers	Analog Devices, Inc
Package/Case	LGA
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8022IV#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM8022 is a complete 1A, DC/DC μ Module (power module) step-down regulator. Included in the package are the switching controller, power switches, inductor, and all support components. Operating over an input voltage range of 3.6V to 36V, the LTM8022 supports an output voltage range of 0.8V to 10V, and a switching frequency range of 200kHz to 2.4MHz, each set by a single resistor. Only the bulk input and output filter capacitors are needed to finish the design.

The low profile package (2.82mm) enables utilization of unused space on the bottom of PC boards for high density point of load regulation.

The LTM8022 is packaged in a thermally enhanced, compact (11.25mm \times 9mm) and low profile (2.82mm) overmolded land grid array (LGA) package suitable for automated assembly by standard surface mount equipment. The LTM8022 is RoHS compliant.

Features

Complete Step-Down Switch Mode Power Supply

Wide Input Voltage Range: 3.6V to 36V

0.8V to 10V Output Voltage

1A Output Current

Adjustable Switching Frequency: 200kHz to 2.4MHz

Current Mode Control

Programmable Soft-Start

Tiny, Low Profile (11.25mm × 9mm × 2.82mm) Surface Mount LGA Package

Application

Automotive Battery Regulation

Power for Portable Products

Distributed Supply Regulation

Industrial Supplies

Wall Transformer Regulation

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTM8045EX#PBF](#)

Analog Devices, Inc
BGA40



[LT1038CK](#)

Analog Devices, Inc
TO-3



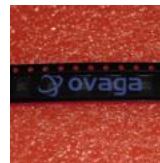
[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN