

Linear Technology, LTM8025IV#PBF Switching Regulator 3A Adjustable, 0.8 24 V 71-Pin, LGA

Manufacturers	Analog Devices, Inc
Package/Case	LGA70
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8025IV#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM8025 is a 36VIN, 3A step-down μModule® (micromodule) converter. 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 LTM8025 supports an output voltage range of 0.8V to 24V 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 LTM8025 is packaged in a thermally enhanced, compact (9mm × 15mm) and low profile over-molded land grid array (LGA) and ball grid array (BGA) packages suitable for automated assembly by standard surface mount equipment. The LTM8025 is available with SnPb (BGA) or RoHS compliant terminal finish.

Features

Complete Step-Down Switch Mode Power Supply

Wide Input Voltage Range: 3.6V to 36V

Up to 3A Output Current

Parallelable for Increased Output Current

0.8V to 24V Output Voltage

Selectable Switching Frequency: 200kHz to 2.4MHz

Current Mode Control

Programmable Soft-Start

9mm × 15mm × 4.32mm LGA and 9mm × 15mm × 4.92mm BGA Packages

Application

Automotive Battery Regulation

Power for Portable Products

Distributed Supply Regulation

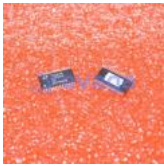
Industrial Supplies

Wall Transformer Regulation





Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

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QFN-24



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[LTM8045EX#PBF](#)

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BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN