

40VIN, Dual 3.5A or Single 7A Silent Switcher μ Module Regulator

Manufacturers	Analog Devices, Inc
Package/Case	88-Lead BGA (11.25mm x 9mm x 3.32mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8024EY#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM8024 is 40V_{IN}, dual 3.5A or single 7A step-down Silent Switcher μ Module[®] regulator. The Silent Switcher architecture minimizes EMI while delivering high efficiency at frequencies up to 3MHz. Included in the package are the controllers, power switches, inductors, and support components. Operating over a wide input voltage range, the LTM8024 supports output voltages from 0.8V to 8V, and a switching frequency range of 200kHz to 3MHz, each set by a single resistor. Only the bulk input and output filter capacitors are needed to finish the design. The LTM8024 product video is available on website.

The LTM8024 is packaged in a thermally enhanced, compact (9mm × 11.25mm × 3.32mm) over-molded ball grid array (BGA) package suitable for automated assembly by standard surface mount equipment. The LTM8024 is RoHS compliant.

Applications

Features

Two Complete Step-Down Switching Power Supplies

Low Noise Silent Switcher

CISPR22 Class B Compliant

Wide Input Voltage Range: 3V to 40V

Wide Output Voltage Range: 0.8V to 8V

3.5A Continuous Output Current Per Channel at 12V

IN

OUT

Multiphase Parallel Operation to Increase Current

Selectable Switching Frequency: 200kHz to 3MHz

Compact Package (9mm × 11.25mm × 3.32mm) Surface Mount BGA

Application

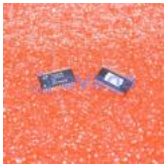
Automotive Battery Regulation

Power for Portable Products

Distributed Supply Regulation

Industrial Supplies

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC1966CMS8#PBF](#)

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MSOP-8P



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10MSOP



[LTM8045EY#PBF](#)

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BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN