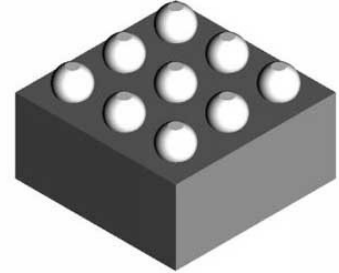


Quad 40VIN Silent Switcher μ Module Regulator with Configurable 1.2A Output Array

Manufacturers	Analog Devices, Inc
Package/Case	91-Lead BGA (11.25mm x 6.25mm x 2.22mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8051IY#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM8051 is quad 40V_{IN}, 1.2A 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 LTM8051 supports output voltages from 0.8V to 8V, and a switching frequency range of 300kHz to 3MHz, each set by a single resistor. Only the bulk input and output filter capacitors are needed to finish the design. The LTM8051 product video is available on website.

The LTM8051 is packaged in a compact (6.25mm × 11.25mm × 2.22mm) over-molded Ball Grid Array (BGA) package suitable for automated assembly by standard surface mount equipment. The LTM8051 is available with SnPb (BGA) or RoHS compliant.

APPLICATIONS

Features

Four Complete Step-Down Switching Power Supplies

Low Noise Silent Switcher

CISPR22 Class B Compliant

CISPR25 Class 5 Compliant

Wide Input Voltage Range: 3V to 40V

Wide Output Voltage Range: 0.8V to 8V

Selectable Switching Frequency: 300kHz to 3MHz

1.2A Continuous Output Current per Channel at 12V

IN

OUT

1.5A Continuous Output Current per Channel at 12V

IN

OUT

Multiphase or Multi- μ Module Parallelable for Increased Output Current

Compact Package (6.25mm \times 11.25mm \times 2.22mm) Surface Mount BGA

Application

Automated Test Equipment

Distributed Supply Regulation

Industrial Supplies

Medical Equipment

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT1038CK](#)

Analog Devices, Inc
TO-3



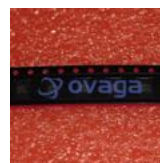
[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN