

Switching Voltage Regulators 2.8VIN to 40VIN Isolated Module DC/DC Converter with LDO Post Regulator

Manufacturers	Analog Devices, Inc
Package/Case	BGA-38
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8068EY#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM8068 is a 2kV AC isolated flyback μ Module[®] (power module) DC/DC converter with LDO post regulator. Included in the package are the switching controller, power switches, transformer, LDO, and all support components. Operating over an input voltage range of 2.8V to 40V, the LTM8068 supports an output voltage range of 2.5V to 18V, set by a single resistor. There is also a linear post regulator whose output voltage is adjustable from 1.2V to 18V as set by a single resistor. Only output and input capacitors are needed to finish the design.

The LTM8068 is packaged in a thermally enhanced, compact (9mm × 11.25mm × 4.92mm) overmolded ball grid array (BGA) package suitable for automated assembly by standard surface mount equipment. The LTM8068 is available with SnPb or RoHS compliant terminal finish.

Features

2kVAC Isolated μ Module Converter

UL60950 Recognized File E464570

Wide Input Voltage Range: 2.8V to 40V

VOUT1 Output:

Up to 450mA = 5V)

2.5V to 18V Output Range

VOUT2 Low Noise Linear Post Regulator:

Up to 300mA

1.2V to 18V Output Range

Current Mode Control

Programmable Soft-Start

User Configurable Undervoltage Lockout

Low Profile (9mm \times 11.25mm \times 4.92mm) BGA Package

Application

Industrial Sensors

Industrial Switches

Ground Loop Mitigation

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](#)

Analog Devices, Inc
MSOP-8P



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

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BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN