

2.8VIN to 40VIN Isolated  $\mu$ Module DC/DC Converter with LDO Post Regulator

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	38-Lead BGA (11.25mm x 9mm x 4.92mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8068IY#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  $\mu$ 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  $\times$  11.25mm  $\times$  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  $\mu$ 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



### [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



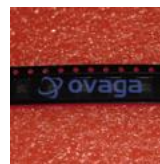
### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LT4295IUFD#PBF](#)

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28-WFQFN