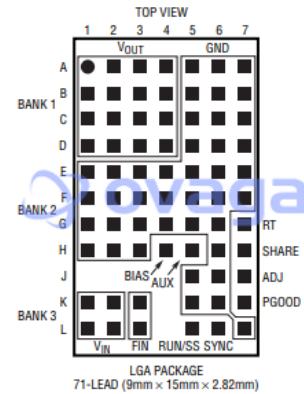


Step Down DC-DC Switching Regulator, Adjustable, 0.8 10 V 71-Pin, LGA

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	LGA71
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8031IV#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTM8031 is an electromagnetic compatible (EMC) 36V, 1A DC/DC  $\mu$ Module® (power module) buck converter designed to meet the radiated emissions requirements of EN55022. Conducted emission requirements can be met by adding standard filter components. Included in the package are the switching controller, power switches, inductor, filters and all support components. Operating over an input voltage range of 3.6V to 36V, the LTM8031 supports an output voltage range of 0.8V to 10V, 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 low profile package (2.82mm) enables utilization of unused space on the bottom of PC boards for high density point of load regulation.

The LTM8031 is packaged in a thermally enhanced, compact (9mm x 15mm) and low profile (2.82mm) overmolded land grid array (LGA) package suitable for automated assembly by standard surface mount equipment. The LTM8031 is RoHS compliant.

## Features

Complete Step-Down Switch Mode Power Supply

Wide Input Voltage Range: 3.6V to 36V

1A Output Current

0.8V to 10V Output Voltage

Switching Frequency from 200kHz to 2.4MHz

EN55022 Class B Compliant with Margin

Current Mode Control

Programmable Soft-Start

Pin Compatible with the LTM8032

Low Profile (9mm × 15mm × 2.82mm) Surface Mount LGA Package

## Application

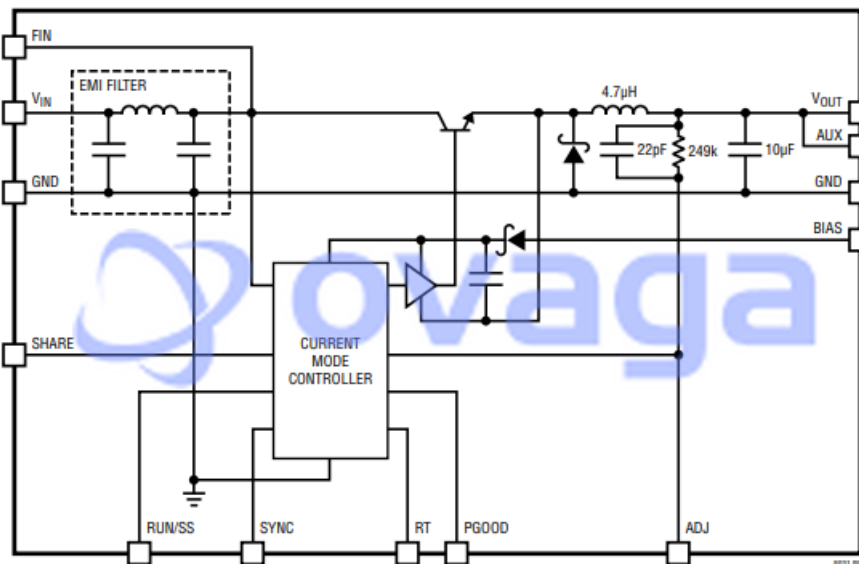
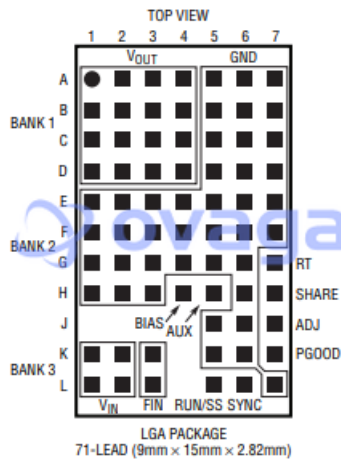
Automotive Battery Regulation

Power for Portable Products

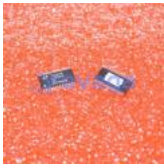
Distributed Supply Regulation

Industrial Supplies

Wall Transformer Regulation

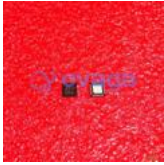


## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



### [LTM8045EX#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