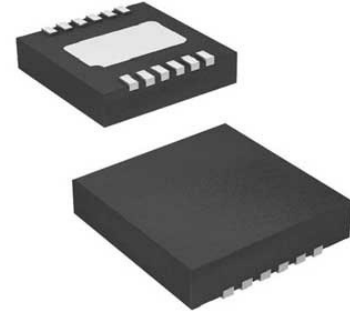


Low IQ Boost/SEPIC/Inverting Converter with 4A, 60V Switch

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	12-Lead DFN (4mm x 3mm w/ EP)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT8364EDE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT8364 is a current mode DC/DC converter with a 60V, 4A switch operating from a 2.8V to 60V input. With a unique single feedback pin architecture it is capable of boost, SEPIC or inverting configurations. Burst Mode operation consumes as low as 9 $\mu$ A quiescent current to maintain high efficiency at very low output currents, while keeping typical output ripple below 15mV.

An external compensation pin allows optimization of loop bandwidth over a wide range of input and output voltages and programmable switching frequencies between 300kHz and 2MHz. A SYNC/MODE pin allows synchronization to an external clock. It can also be used to select between burst or pulse-skip modes of operation with or without Spread Spectrum Frequency Modulation for low EMI. For increased efficiency, a BIAS pin can accept a second input to supply the INTVCC regulator. Additional features include frequency foldback and programmable soft-start to control inductor current during startup.

The LT8364 is available in a thermally enhanced 12-lead 4mm  $\times$  3mm DFN package or a thermally enhanced 16-lead MSOP package with four pins removed.

## Features

Wide Input Voltage Range: 2.8V to 60V

Ultralow Quiescent Current and Low RippleBurst Mode® Operation:>

4A, 60V Power Switch

Positive or Negative Output Voltage Programming with a Single Feedback Pin

Programmable Frequency (300kHz to 2MHz)

Synchronizable to an External Clock

Spread Spectrum Frequency Modulation for Low EMI

BIAS Pin for Higher Efficiency

Programmable Undervoltage Lockout (UVLO)

Thermally Enhanced 12-lead 4mm × 3mm DFN and 16-lead MSOP packages

## Application

Industrial and Automotive

Telecom

Medical Diagnostic Equipment

Portable Electronics

## 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



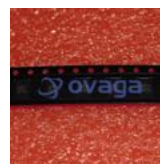
### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN