

Conv DC-DC 1.5V to 5.5V Synchronous Step Up Single-Out 2.5V to 10V 0.09A
Micropower Automotive 6-Pin TSOT-23 T/R

Manufacturers	Analog Devices, Inc
Package/Case	SOT-23
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3459ES6#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC3459 is a low current, high efficiency synchronous boost converter intended for low power, size constrained portable applications. The LTC3459 can be powered from a single lithium ion battery, a 2- to 3-cell stack of Alkaline or Nickel batteries, or any low impedance voltage source between 1.5V and 5.5V. The output is programmable via an external divider between 2.5V and 10V. Although the part is primarily intended for boost applications, VOUT will maintain regulation below VIN (at reduced efficiency).

The LTC3459 offers Burst Mode operation with a fixed peak current, providing high conversion efficiency over a wide range of load currents. During start-up, inductor current is controlled preventing the inrush surge current found in many boost converters. In shutdown the output is disconnected from the input and quiescent current is reduced to <math><1\mu\text{A}</math>.

The LTC3459 is offered in low profile 6-pin $2\text{mm} \times 2\text{mm}$ DFN, $2\text{mm} \times 3\text{mm}$ DFN or SOT-23 (ThinSOT) packages, allowing a tiny footprint for the total solution.

Features

Small Solution Size

Internal Synchronous Rectifier

VIN Range: 1.5V to 5.5V

5V at 30mA from 3.3V Input

3.3V at 20mA from 2 AA Cell Input

Programmable Output Voltages Up to 10V

Burst Mode Operation

Inrush Current Limiting

Output Disconnect in Shutdown

Ultralow Quiescent (10 μ A) and Shutdown (<1 μ A) Currents

Low Profile 2mm \times 2mm DFN, 2mm \times 3mm DFN or SOT-23 Package

Application

General Purpose Micropower Boost

Digital Cameras

PDAs

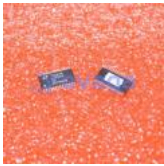
LCD Bias

Small OLED Displays

Supercap Charging



Related Products



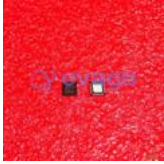
[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

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TO-3



[LTC4417IUF](#)

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QFN-24



[LTC3440EMS](#)

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