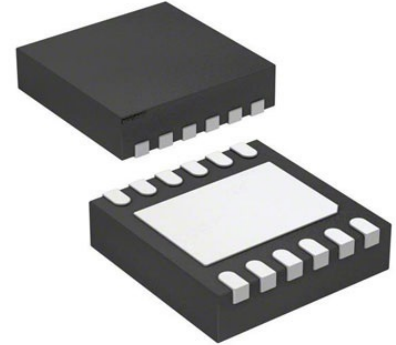


Conv DC-DC 1.8V to 5.25V Synchronous Step Up Single-Out 5V 0.5A 8-Pin DFN EP T/R

Manufacturers	Analog Devices, Inc
Package/Case	8-WDFN
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3529EDCB#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC3529 is a 5V output, synchronous, fixed frequency step-up DC/DC converter optimized for USB On-The-Go (OTG) hosting applications. This compact USB OTG 5V VBUS converter features a 1.5MHz switching frequency, internal compensation and a tiny 2mm × 3mm DFN package. The LTC3529 can operate from input voltages as low as 1.8V.

USB OTG-specific features include a fault flag with 22ms deglitching to indicate when the bus is overloaded, output disconnect and short circuit protection. Following a fault, the LTC3529 can be programmed to either latch-off or restart after a time-out duration.

Additional features include a <math><1\mu\text{A}</math> shutdown mode, soft-start, inrush current limiting and thermal overload protection. Anti-ring circuitry reduces EMI during low power operation. The LTC3529 is offered in an 8-Lead 2mm × 3mm × 0.75mm DFN package.

Features

Compact Solution for 5V USB On-The-Go VBUS Power

5V at 500mA from Single Li-Ion Cell

Automatic Fault Detection

High Efficiency: Up to 95%

VIN Range: 1.8V to 5.25V

Fixed 5V Output

Short Circuit Protection

1.5MHz Low Noise, Fixed Frequency PWM

Inrush Current Limiting and Internal Soft-Start

Output Disconnect

VIN > VOUT Operation

8-Lead, 2mm × 3mm DFN Package

Application

Personal Media Players

Digital Video Cameras

Digital Multimedia Broadcast Tuners

Digital Cameras

Smart Phones

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](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN