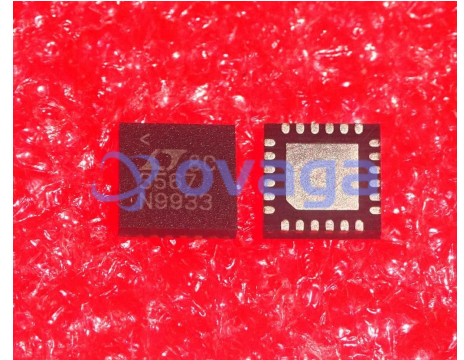


USB Power Manager Plus 1A Buck-Boost Converter 4.35V to 5.5V 24-Pin QFN EP Tube

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	QFN-24
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3567EUF#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC3567 is a highly integrated power management and battery charger IC for Li-Ion/Polymer battery applications. It includes a high efficiency current limited switching PowerPath manager with automatic load prioritization, a battery charger, an ideal diode, and a high efficiency synchronous buck-boost switching regulator. Designed specifically for USB applications, the LTC3567's switching power manager automatically limits input current to a maximum of either 100mA or 500mA for USB or 1A for adapter-powered applications.

The LTC3567's switching input stage transmits nearly all of the 2.5W available from the USB port to the system load with minimal power wasted as heat. This feature allows the LTC3567 to provide more power to the application and eases thermal budgeting constraints in small spaces.

The synchronous buck-boost DC/DC can provide up to 1A output current.

The LTC3567 is available in a low profile 24-pin (4mm × 4mm × 0.75mm) QFN surface mount package.

## Features

High Efficiency Switching PowerPath™ Controller with Bat-Track™ Adaptive Output Control

Programmable USB or Wall Current Limit (100mA/500mA/1A)

Full Featured Li-Ion/Polymer Battery Charger

1.5A Maximum Charge Current

Internal 180mΩ Ideal Diode Plus External Ideal Diode Controller Powers Load in Battery Mode

Low No-Load IQ When Powered from BAT (<30μA)

1A Buck-Boost DC/DC

High Efficiency (1A IOU T)

2.25MHz Constant Frequency Operation

Low No-Load Quiescent Current (~13μA)

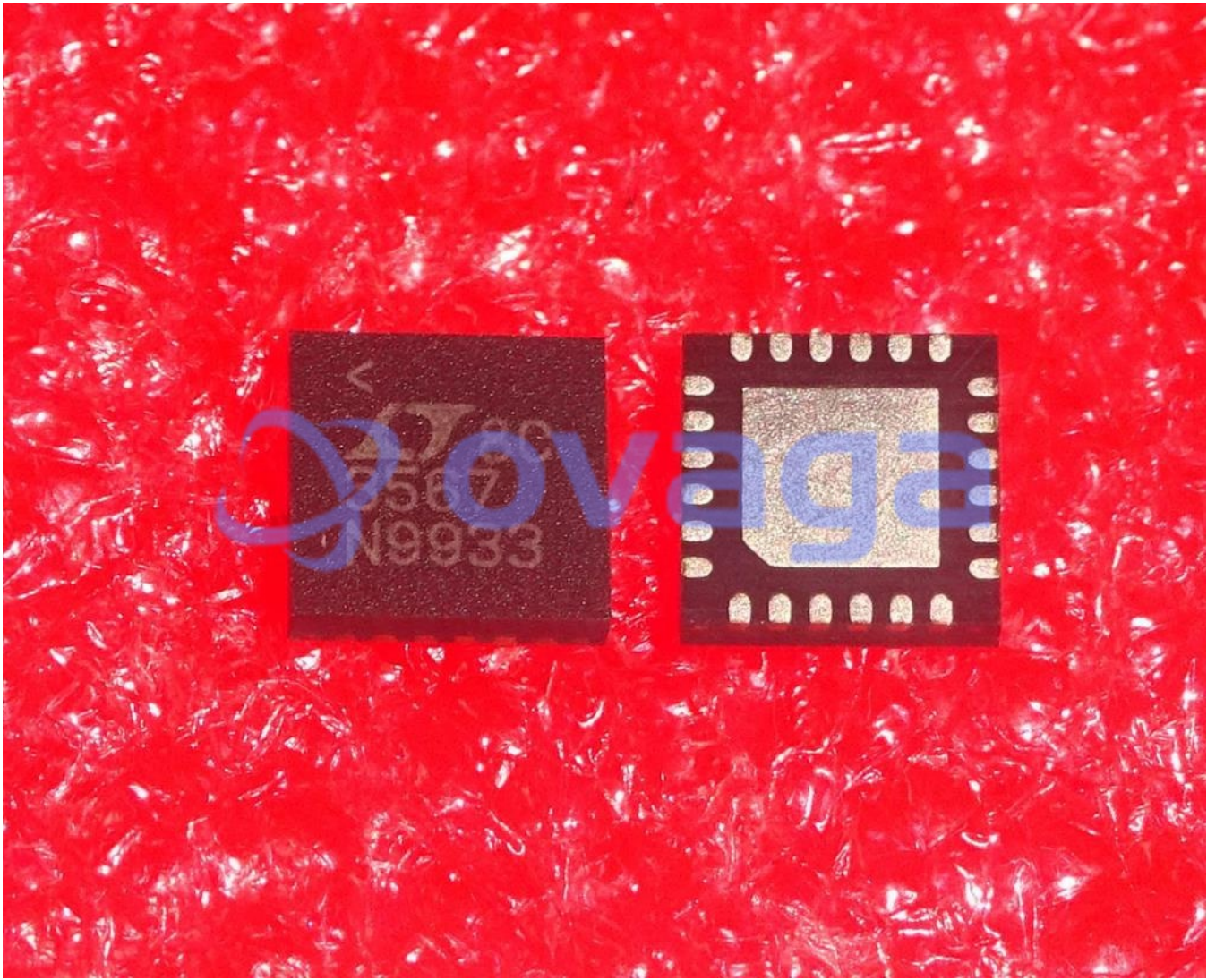
Zero Shutdown Current

I2C Control of All Functions

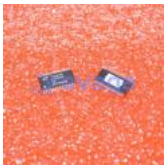
## Application

HDD Based MP3 Players, PDA, GPS, PMP Products

Other USB Based Handheld Products



## 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