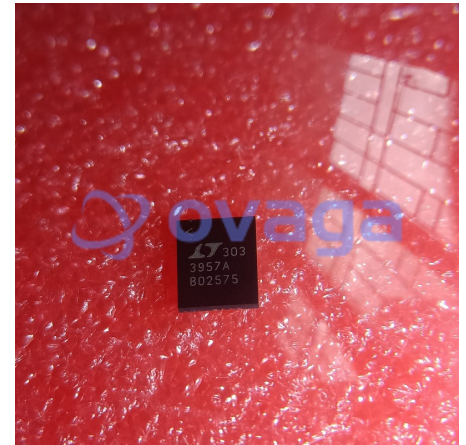


Conv DC-DC 3V to 40V Step Up Single-Out 1.6V to 150V 5A Automotive 28-Pin QFN EP Tube

Manufacturers	Analog Devices, Inc
Package/Case	QFN-36P
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT3957AEUHE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3957A is a wide input range, current mode DC/DC converter which is capable of generating either positive or negative output voltages. It can be configured as either a boost, flyback, SEPIC or inverting converter. It features an internal low side N-channel power MOSFET rated for 40V at 5A and driven from an internal regulated 5.2V supply. The fixed frequency, current-mode architecture results in stable operation over a wide range of supply and output voltages.

The operating frequency of LT3957A can be set with an external resistor over a 100kHz to 1MHz range, and can be synchronized to an external clock using the SYNC pin. A minimum operating supply voltage of 3V, and a low shutdown quiescent current of less than 1μA, make the LT3957A ideally suited for battery-powered systems.

The LT3957A features soft-start and frequency foldback functions to limit inductor current during start-up. The LT3957A has improved load transient performance compared to the LT3957.

FeaturesLT3957-LT3957AImproved Load Transient Performance

Features

Wide Input Voltage Range: 3V to 40V

Single Feedback Pin for Positive or Negative Output Voltage

Internal 5A/40V Power Switch

Current Mode Control Provides Excellent Transient Response

Programmable Operating Frequency (100kHz to 1MHz) with One External Resistor

Synchronizable to an External Clock

Low Shutdown Current < 1 μ A

Internal 5.2V Low Dropout Voltage Regulator

Programmable Input Undervoltage Lockout with Hysteresis

Programmable Soft-Start

Thermally Enhanced QFN (5mm \times 6mm) Package

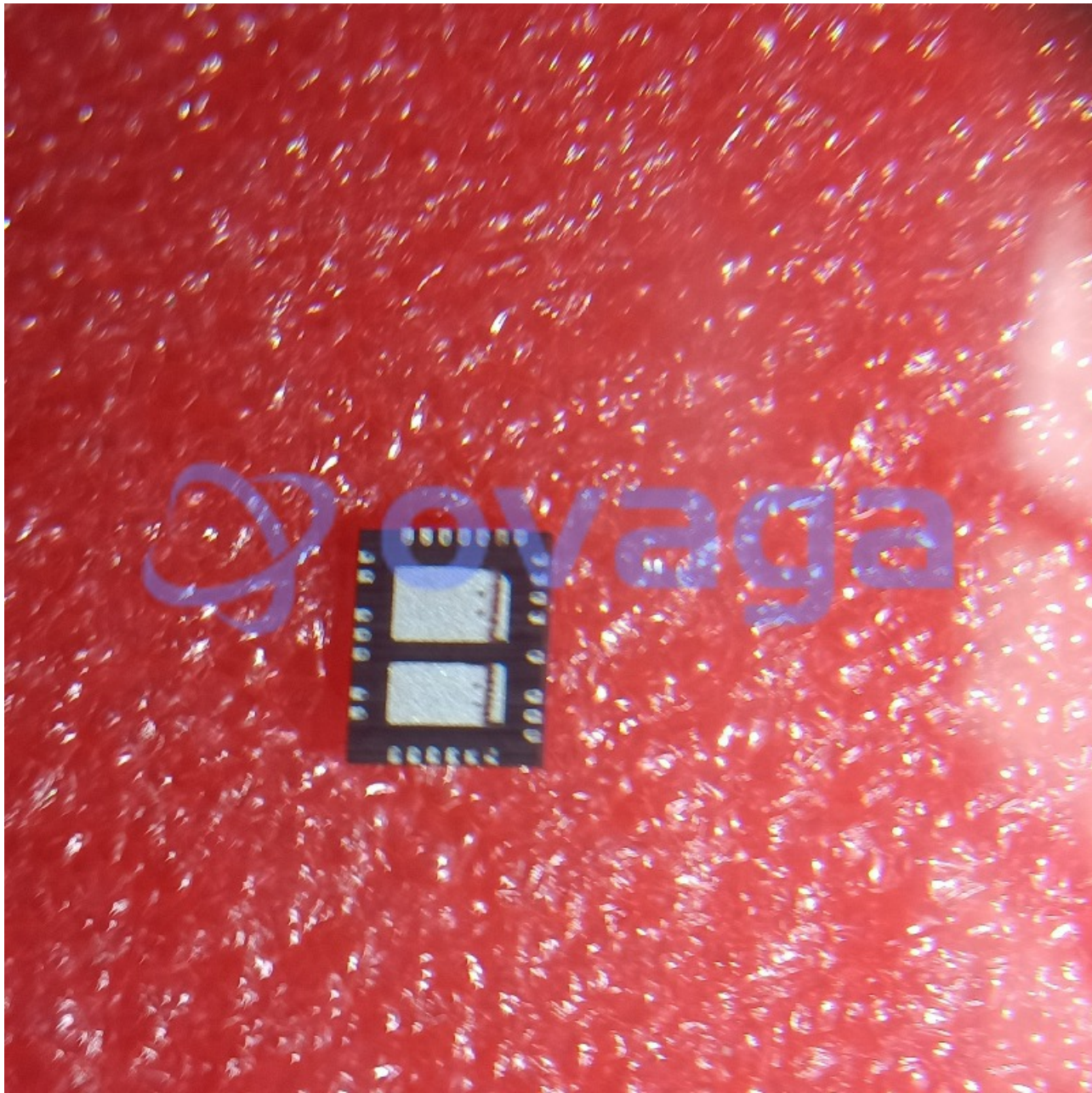
Application

Automotive

Telecom

Industrial





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