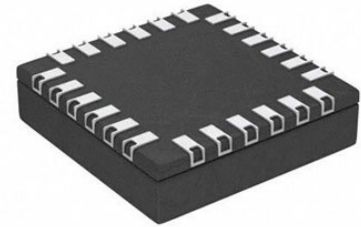


Linear Technology, LT3958IUHE#PBF Step-Down Switching Regulator 3.3A, Maximum of 84 V 36-Pin, QFN

Manufacturers	Analog Devices, Inc
Package/Case	36-WFQFN, 28 Leads,
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT3958IUHE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3958 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 84V at 3.3A and driven from an internal regulated 7.2V supply. The fixed frequency, current-mode architecture results in stable operation over a wide range of supply and output voltages.

The operating frequency of LT3958 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 5V, and a low shutdown quiescent current of less than 1 μ A, make the LT3958 ideally suited for battery-powered systems.

The LT3958 features soft-start and frequency foldback functions to limit inductor current during start-up.

Features

Wide Input Voltage Range: 5V to 80V

Single Feedback Pin for Positive or Negative Output Voltage

Internal 3.3A/84V 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 < 1μA

Internal 7.2V Low Dropout Voltage Regulator

Programmable Input Undervoltage Lockout with Hysteresis

Programmable Soft-Start

Thermally Enhanced QFN (5mm × 6mm) Package

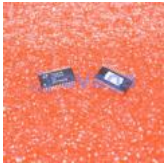
Application

Automotive

Telecom

Industrial

Related Products



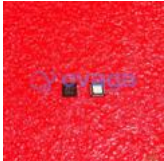
[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



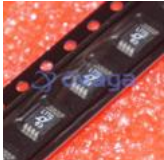
[LTC4417IUF](#)

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