

Conv DC-DC 3.2V to 34V Step Down Single-Out 5V/3.3V 0.3A Micropower Automotive
6-Pin TSOT-23 T/R

Manufacturers	Analog Devices, Inc
Package/Case	SOP23
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT1934ES6#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1934 is a micropower step-down DC/DC converter with internal 400mA power switch, packaged in a low profile (1mm) ThinSOT. With its wide input range of 3.2V to 34V, the LT1934 can regulate a wide variety of power sources, from 4-cell alkaline batteries and 5V logic rails to unregulated wall transformers and lead-acid batteries. Quiescent current is just 12 μ A and a zero current shutdown mode disconnects the load from the input source, simplifying power management in battery-powered systems. Burst Mode[®] operation and the low drop internal power switch result in high efficiency over a broad range of load current.

The LT1934 provides up to 300mA of output current. The LT1934-1 has a lower current limit, allowing optimum choice of external components when the required output current is less than 60mA. Fast current limiting protects the LT1934 and external components against shorted outputs, even at 34V input.

Features

Wide Input Voltage Range: 3.2V to 34V

Micropower Operation:>

5V at 250mA from 6.5V to 34V Input (LT1934)

5V at 60mA from 6.5V to 34V Input (LT1934-1)

3.3V at 250mA from 4.5V to 34V Input (LT1934)

3.3V at 60mA from 4.5V to 34V Input (LT1934-1)

Low Shutdown Current: <1 μ A

Low VCESAT Switch: 200mV at 300mA

Low Profile (1mm) SOT-23 (ThinSOT™) and (2mm × 3mm × 0.8mm) 6-Pin DFN Package

Application

Wall Transformer Regulation

Automotive Battery Regulation

Standby Power for Portable Products

Distributed Supply Regulation

Industrial Control Supplies

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



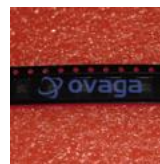
[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN