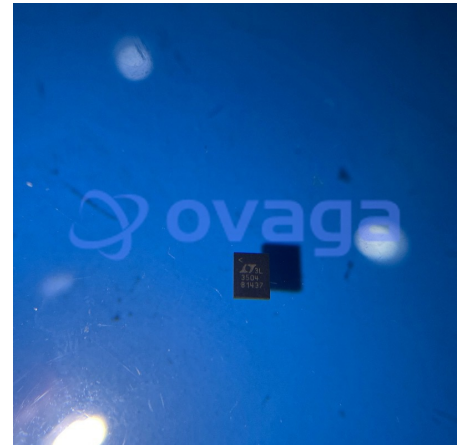


Conv DC-DC 3.2V to 40V Synchronous Step Down Single-Out 0.8V to 40V 1A
Automotive 28-Pin QFN EP Tube

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



Images are for reference only

Please submit RFQ for LT3504EUFD#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3504 consists of four 1A output current buck regulators. The LT3504 has a wide operating input range of 3.2V to 40V. An on-chip boost regulator allows each channel to operate up to 100% duty cycle and eliminates the need for four external charge pump circuits. The LT3504 is designed to minimize external component count and results in a simple and small application circuit.

The LT3504 operates robustly in fault conditions. Cycle-by-cycle peak current limit and catch diode current limit sensing protect the part during overload conditions. Thermal shutdown protects the power switches at elevated temperatures. Soft-start helps keep the peak inductor current under control during startup.

The LT3504 also features output voltage tracking and sequencing, programmable frequency, programmable undervoltage lockout, and a power good pin to indicate when all outputs are in regulation.

Features

Wide Input Range: 3.2V to 40V

Four 1A Outputs

100% Duty Cycle Operation

Resistor-Programmed Constant Frequency

Short-Circuit Robust

Wide SYNC Range: 350kHz to 2.2MHz

Anti-Phase Switching Reduces Ripple

800mV FB Voltage

Independent Run/Soft-Start Pins

Shutdown with UVLO

Internal Compensation

Thermal Shutdown

Tiny 28-Lead (4mm × 5mm) Thermally Enhanced QFN Package

Application

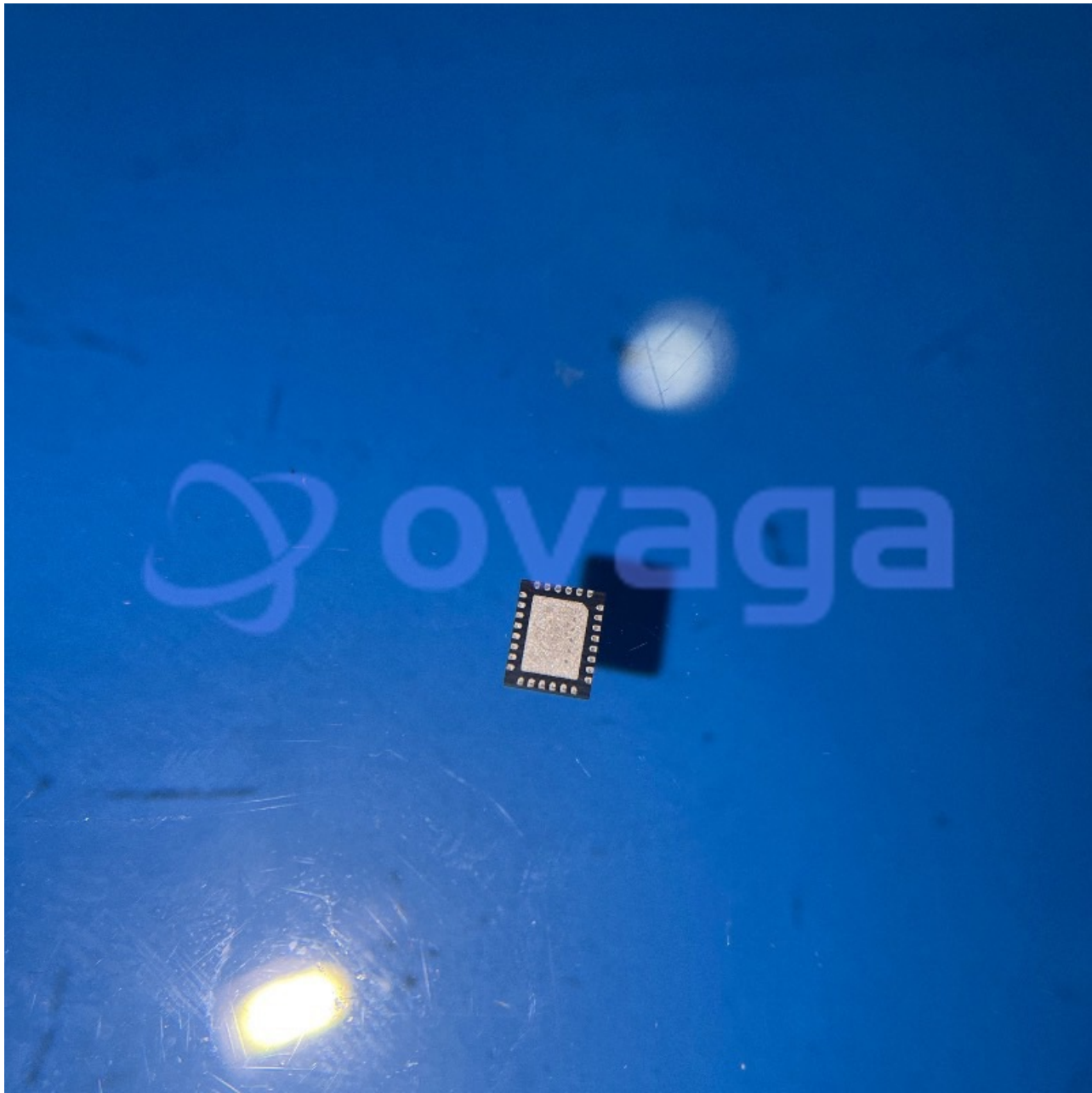
Automotive Battery Regulation

Industrial Control Supplies

Wall Transformer Regulation

Distributed Supply Regulation





Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc

BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc

28-WFQFN