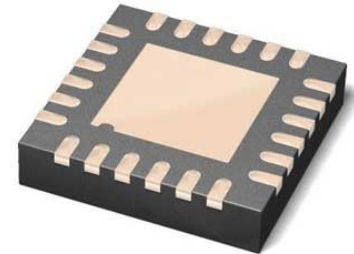


Dual DC/DC Converter with USB Power Manager and Li-Ion Battery Charger to 24-Pin QFN EP Tube

Manufacturers	Analog Devices, Inc
Package/Case	QFN-24
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3455EUF#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC3455/LTC3455-1 are complete power management solutions for a variety of portable applications. These devices contain two synchronous step-down DC/DC converters, a USB power controller, a full-featured Li-Ion battery charger, a Hot Swap output, a low-battery indicator, and numerous internal protection features. The LTC3455/LTC3455-1 provide a small, simple solution for obtaining power from three different power sources: a single-cell Li-Ion battery, a USB port, and a wall adapter. Current drawn from the USB bus is accurately limited under all conditions. Whenever a USB or a wall adapter is present, the battery charger is enabled and all internal power for the device is drawn from the appropriate external power source. All outputs are discharged to ground during shutdown to provide complete output disconnect. These devices are available in a 4mm × 4mm 24-pin exposed-pad QFN package.

Features

Seamless Transition between Input Power Sources:

Li-Ion Battery,

USB, and

5V Wall Adapter

Accurate USB Current Limiting (500mA/100mA)

Two High Efficiency DC/DC Converters: Up to 96%

Thermal Regulation Maximizes Battery Charge Rate without Risk of Overheating

Full-Featured Li-Ion Battery Charger with 4.2V Float Voltage for LTC3455 and 4.1V for LTC3455-1

4.1V Float Voltage (LTC3455-1) Improves Battery Life and High Temperature Safety Margin

Hot Swap™ Output for SDIO and Memory Cards

Pin-Selectable Burst Mode® Operation

Output Disconnect: All Outputs Discharged to Ground During Shutdown

Available in a 4mm × 4mm × 0.75mm 24-Pin QFN Package

Application

Handheld Computers

Digital Cameras

MP3 Players

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



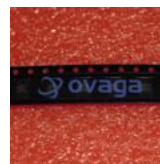
[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN