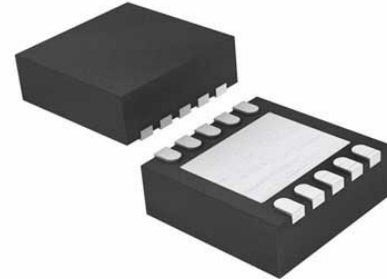


IC BATT CHRGR MULTI-CHEM 10DFN

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	QFN-10
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC4079EDD#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC4079 is a low quiescent current, high voltage linear charger for most battery chemistry types including Li-Ion/Polymer, Lead-Acid or NiMH battery stacks up to 60V. The maximum charge current is adjustable from 10mA to 250mA with an external resistor. The battery charge voltage is set using an external resistor divider.

With an integrated power device, current sensing and reverse current protection, a complete charging solution using the LTC4079 requires very few external components. Thermal regulation ensures maximum charge current up to the specified limit without the risk of overheating. Charging can be terminated by either C/10 or adjustable timer.

Input voltage regulation reduces charge current when the input voltage falls to an adjustable level or the battery voltage, making it well suited for energy harvesting applications. Other features include temperature qualified charging, bad battery detection, automatic recharge with sampled feedback in standby for negligible battery drain, and an open-drain CHRG status output. The device is offered in a compact, thermally enhanced 10-lead (3mm × 3mm) DFN package.

## Features

Wide Input Voltage Range: 2.7V to 60V

Adjustable Battery Voltage: 1.2V to 60V

Adjustable Charge Current: 10mA to 250mA

Low Quiescent Current While Charging:>

Ultralow Battery Drain When Shutdown or Charged: IBAT < 0.01 $\mu$ A

Auto Recharge

Input Voltage Regulation for High Impedance Sources

Thermal Regulation Maximizes Output Current without Overheating

Constant Voltage Feedback with  $\pm 0.5\%$  Accuracy

NTC Thermistor Input for Temperature Qualified Charging

Adjustable Safety Timer

Charging Status Indication

Thermally Enhanced 10-Lead (3mm  $\times$  3mm) DFN Package

## Application

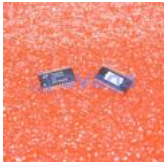
Embedded Automotive and Industrial

Backup Battery Charging from Another Battery

Energy Harvesting Charger

Thin Film Battery Products

## Related Products



[LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



[LTM8045EX#PBF](#)

Analog Devices, Inc  
BGA40



[LT1038CK](#)

Analog Devices, Inc  
TO-3



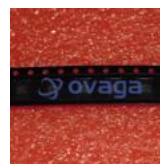
[LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN