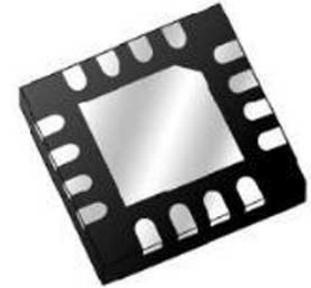


2A Synchronous Buck Li-Ion Charger; Package: QFN; No of Pins: 16; Temperature Range: -40°C to +125°C

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	16QFN
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC4001EUF#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC4001 is a 2A Li-Ion battery charger intended for 5V wall adapters. It utilizes a 1.5MHz synchronous buck converter topology to reduce power dissipation during charging. Low power dissipation, an internal MOSFET and sense resistor allow a physically small charger that can be embedded in a wide range of handheld applications. The LTC4001 includes complete charge termination circuitry, automatic recharge and a  $\pm 1\%$  4.2V float voltage. Input short-circuit protection is included so no blocking diode is required.

Battery charge current, charge timeout and end-of-charge indication parameters are set with external components. Additional features include shorted cell detection, temperature qualified charging and overvoltage protection. The LTC4001 is available in a low profile (0.75mm) 16-lead (4mm  $\times$  4mm) QFN package.

Float Voltage LTC4001 4.2V LTC4001-14.1V Applications  
Handheld Battery-Powered Devices

Handheld Computers

Charging Docks and Cradles

Digital Cameras

Smart Phones

## Features

Low Power Dissipation

2A Maximum Charge Current

No External MOSFETs, Sense Resistor or Blocking Diode Required

Remote Sensing at Battery Terminals

Programmable Charge Termination Timer

Preset 4.2V Float Voltage with  $\pm 0.5\%$  Accuracy

Programmable Charge Current Detection/Termination

Automatic Recharge

Thermistor Input for Temperature Qualified Charging

Compatible with Current Limited Wall Adapters

Low Profile 16-Lead (4mm  $\times$  4mm) QFN Package

## Application

Handheld Battery-Powered Devices

Handheld Computers

Charging Docks and Cradles

Digital Cameras

Smart Phones

## 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