

Gas Gauge Li-Ion Automotive 6-Pin DFN EP T/R

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	DFN-6
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2941CDCB#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC2941-1 measures battery charge state in battery-powered handheld PC and portable product applications. Its operating range is perfectly suited for single cell Li-Ion batteries. A precision coulomb counter integrates current through an internal sense resistor between the battery's positive terminal and the load or charger. The measured charge is stored in internal registers. An SMBus/I2C interface accesses and configures the device.

The LTC2941-1 features programmable high and low thresholds for accumulated charge. If a threshold is exceeded, the device communicates an alert using either the SMBus alert protocol or by setting a flag in the internal status register.

Integrated Sense Resistor LTC2941 No LTC2941-1 Yes

## Features

Indicates Accumulated Battery Charge and Discharge

SMBus/I2C Interface

Integrated 50mΩ High Side Sense Resistor

High Accuracy Analog Integration

1% Charge Accuracy

Configurable Alert Output/Charge Complete Input

2.7V to 5.5V Operating Range

Quiescent Current Less than 100μA

Small 6-Pin 2mm × 3mm DFN package

## Application

Low Power Handheld Products

Cellular Phones

MP3 Player

Cameras

GPS

## 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