

100mA Wireless Li-Ion Charger with Low Battery Disconnect

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	12-Lead LQFN (2mm x 2mm x 0.74mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC4124EV#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC4124 is a simple high performance wireless Li-Ion charger with low battery disconnect. The pin-selectable charge current (up to 100mA) and charge voltage ensure versatility while minimizing the number of required external components.

Wireless charging with the LTC4124 allows devices to be charged while sealed within enclosures and eliminates bulky connectors in space-constrained applications. Elimination of exposed conductive connectors also creates more robust devices while ensuring an effortless end-user experience.

The LTC4124 includes an NTC input for safe temperature qualified charging and a battery disconnect feature that prevents damage to a battery due to over-discharging.

The 2mm × 2mm LQFN package and minimal number of external components make the LTC4124 well-suited for low power portable applications where small solution size is mandatory.

## Features

Complete Wireless Power Receiver, Li-Ion Charger and PowerPath™ Controller

Wireless Input Power Control and Rectification

Wideband Wireless Power Frequency: DC to >10MHz

Pin-Selectable Charge Current: 10mA/25mA/50mA/100mA

Pin-Selectable Charge Voltage: 4.0V/4.1V/4.2V/4.35V

Pin-Selectable Low Battery Disconnect: 2.7V/3.2V

Zero Battery Drain Current in Disconnect/Ship Mode

Pin-Selectable Low Battery Pre-Charge Current Enable

NTC Input for Temperature Qualified Charging

Safety Charge Termination Timer

Tiny Total Solution Size with Few Externals

Small Thermally Enhanced 12-lead 2mm × 2mm LQFN Package

## Application

Medical Wireless Sensors

Military Wearables

High End Wireless Headsets

Streaming Headsets with Bluetooth Connectivity

Virtual Reality Headsets

High End Remote Control

IoT Devices

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



### [LTM8045EV#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