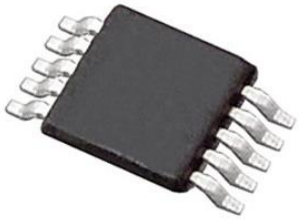
LTC4151IMS#PBF

Data Sheet

Current Sense Amplifier Automotive

Manufacturers	Analog Devices, Inc
Package/Case	MSOP10
Product Type	PMIC - Current Regulation/Management
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC4151IMS#PBF or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The LTC4151 is a high side power monitor that operates over a wide voltage range of 7V to 80V. In default operation mode, the on-board 12-bit ADC continuously measures high side current, input voltage and an external voltage. Data is reported through the I2C interface when polled by a host. The LTC4151 can also perform on-demand measurement in a snapshot mode. The LTC4151 features a dedicated shutdown pin to reduce power consumption. The LTC4151-1/LTC4151-2 feature split I2C data pins to drive opto-isolators. The data out on the LTC4151-1 is inverted while that on the LTC4151-2 is not.

Features

Wide Operating Voltage Range: 7V to 80V

12-Bit Resolution for Both Current and Voltages

I2C Interface

Additional ADC Input Monitors an External Voltage

Continuous Scan and Snapshot Modes

Shutdown Mode (LTC4151) Reduces Quiescent Current to 120µA

Split SDA for Opto-Isolation (LTC4151-1/LTC4151-2)

Available in 10-Lead MSOP, 10-Lead 3mm × 3mm DFN and 16-Lead SO Packages

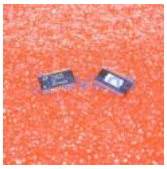
Application

Automotive

Industrial

Consumer

Related Products



LT3763EFE

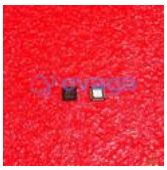
Analog Devices, Inc

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