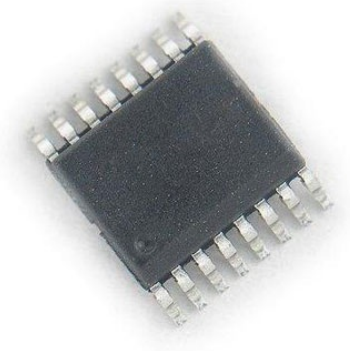
LTC1867CGN#PBF

Data Sheet

Analogue to Digital Converter, Octal, 16 bit, 200 kSPS, Differential, Single Ended, SPI, Single

Manufacturers	Analog Devices, Inc
Package/Case	SSOP16
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1867CGN#PBF or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The LTC1863/LTC1867 are pin-compatible, 8-channel 12-/16-bit A/D converters with serial I/O, and an internal reference. The ADCs typically draw only 1.3mA from a single 5V supply.

The 8-channel input multiplexer can be configured for either single-ended or differential inputs and unipolar or bipolar conversions (or combinations thereof). The automatic nap and sleep modes benefit power sensitive applications.

The LTC1867's DC performance is outstanding with a ±2LSB INL specification and no missing codes over temperature. The signal-to-noise ratio (SNR) for the LTC1867 is typically 89dB, with the internal reference.

Housed in a compact, narrow 16-pin SSOP package, the LTC1863/LTC1867 can be used in space-sensitive as well as low-power applications.

Features

AEC-Q100 Qualified for Automotive Applications

Sample Rate: 200ksps

16-Bit No Missing Codes and ±2LSB Max INL

8-Channel Multiplexer with:

Single-Ended or Differential Inputs and

Unipolar or Bipolar Conversion Modes

SPI/MICROWIRE Serial I/O

Signal-to-Noise Ratio: 89dB

Single 5V Operation

On-Chip or External Reference

Low Power: 1.3mA at 200ksps, 0.76mA at 100ksps

Sleep Mode

Automatic Nap Mode Between Conversions

16-Pin Narrow SSOP Package

Application

Industrial Process Control

High Speed Data Acquisition

Battery Operated Systems

Multiplexed Data Acquisition Systems

Imaging Systems

Related Products

LTC1860IMS8#PBF

Analog Devices, Inc

MSOP-8

LTC2351IUH-14#PBF

Analog Devices, Inc

QFN-32

LT1171CQ

Analog Devices, Inc

TO-263

LTC2600CGN#PBF

Analog Devices, Inc

SSOP16

LTC2485IDD#PBF

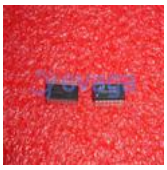
Analog Devices, Inc

DFN-10

LTC2642CMS-16#PBF

Analog Devices, Inc

10MSOP



LTC2418IGN#PBF

Analog Devices, Inc

SSOP28

LTC1865AIMS#PBF

Analog Devices, Inc

MSOP-1