

IC DAC 10BIT R-R I2C 8-MSOP

Manufacturers	Analog Devices, Inc
Package/Case	MSOP10
Product Type	Data Conversion ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1669IMS8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC1669 is a 10-bit voltage output DAC with true buffered rail-to-rail output voltage capability. It operates from a single supply with a range of 2.7V to 5.5V. The reference for the DAC is selectable between the supply voltage or an internal bandgap reference. Selecting the internal bandgap reference will set the full-scale output voltage range to 2.5V. Selecting the supply as the reference sets the output voltage range to the supply voltage.

The part features a simple 2-wire serial interface compatible with I2C that allows communication between many devices. The internal data registers are double buffered to allow for simultaneous update of several devices at once. The DAC can be put in low current power-down mode for use in power conscious systems.

Power-on reset ensures the DAC output is at 0V when power is initially applied, and all internal registers are cleared. The LTC1669 is pin-for-pin compatible with the LTC1663.

For SMBus-compatible designs, please refer to the LTC1663.

Features

Micropower 10-Bit DAC in SOT-23

Low Operating Current: 60 μ A

Ultralow Power Shutdown Mode: 12 μ A

2-Wire Serial Interface Compatible with I2C™

Selectable Internal Reference or Ratiometric to VCC

Maximum DNL Error: 0.75LSB

8 User Selectable Addresses (MSOP Package)

Single 2.7V to 5.5V Operation

Buffered True Rail-to-Rail Voltage Output

Power-On Reset

1.5V VIL and 2.1V VIH for SDA and SCL

Small 5-Lead SOT-23 and 8-Lead MSOP Packages

Application

Digital Calibration

Offset/Gain Adjustment

Industrial Process Control

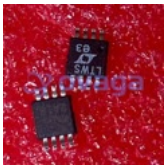
Automatic Test Equipment

Arbitrary Function Generators

Battery-Powered Data Conversion Products



Related Products



[LTC1860IMS8#PBF](#)

Analog Devices, Inc
MSOP-8



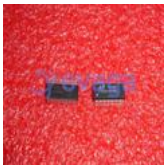
[LT1171CQ](#)

Analog Devices, Inc
TO-263



[LTC2485IDD#PBF](#)

Analog Devices, Inc
DFN-10



[LTC2418IGN#PBF](#)

Analog Devices, Inc
SSOP28



[LTC2351IUH-14#PBF](#)

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QFN-32



[LTC2600CGN#PBF](#)

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SSOP16



[LTC2642CMS-16#PBF](#)

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MSOP-1