

Digital to Analog Converters - DAC 16-bit I2C VOUT DAC

Manufacturers	Analog Devices, Inc
Package/Case	10-DFN
Product Type	Data Conversion ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2606CDD#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC2606/LTC2616/LTC2626 are single 16-, 14- and 12-bit, 2.7V-to-5.5V rail-to-rail voltage output DACs in a 10-lead DFN package. They have built-in high performance output buffers and are guaranteed monotonic.

These parts establish new board-density benchmarks for 16- and 14-bit DACs and advance performance standards for output drive and load regulation in single-supply, voltage-output DACs.

The parts use a 2-wire, I2C compatible serial interface. The LTC2606/LTC2616/LTC2626 operate in both the standard mode (clock rate of 100kHz) and the fast mode (clock rate of 400kHz). An asynchronous DAC update pin (LDAC) is also included.

The LTC2606/LTC2616/LTC2626 incorporate a power-on reset circuit. During power-up, the voltage outputs rise less than 10mV above zero scale; and after power-up, they stay at zero scale until a valid write and update take place. The power-on reset circuit resets the LTC2606-1/LTC2616-1/LTC2626-1 to midscale. The voltage outputs stay at midscale until a valid write and update take place.

Features

Smallest Pin-Compatible Single DACs:

LTC2606: 16 Bits

LTC2616: 14 Bits

LTC2626: 12 Bits

Guaranteed 16-Bit Monotonic Over Temperature

27 Selectable Addresses

400kHz I2C Interface

Wide 2.7V to 5.5V Supply Range

Low Power Operation: 270 μ A at 3V

Power Down to 1 μ A, Max

High Rail-to-Rail Output Drive (\pm 15mA, Min)

Double-Buffered Data Latches

Asynchronous DAC Update Pin

LTC2606/LTC2616/LTC2626: Power-On Reset to Zero Scale

LTC2606-1/LTC2616-1/LTC2626-1: Power-On Reset to Midscale

Tiny (3mm \times 3mm) 10-Lead DFN Package

Application

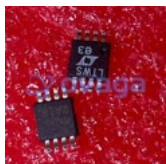
Mobile Communications

Process Control and Industrial Automation

Instrumentation

Automatic Test Equipment

Related Products



[LTC1860IMS8#PBF](#)

Analog Devices, Inc
MSOP-8



[LT1171CQ](#)

Analog Devices, Inc
TO-263



[LTC2485IDD#PBF](#)

Analog Devices, Inc
DFN-10



[LTC2351IUH-14#PBF](#)

Analog Devices, Inc
QFN-32



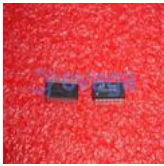
[LTC2600CGN#PBF](#)

Analog Devices, Inc
SSOP16



[LTC2642CMS-16#PBF](#)

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MSOP-1