

Digital to Analogue Converter, Octal, 12 bit, 3 Wire, Serial, 2.5V to 5.5V, SSOP, 16 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	16-SSOP (0.154, 3.90mm Width)
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2620CGN#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC2600/LTC2610/LTC2620 are octal 16-, 14- and 12-bit, 2.5V-to-5.5V rail-to-rail voltage-output DACs in 16-lead narrow SSOP and 20-lead 4mm × 5mm QFN packages. 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, crosstalk and load regulation in single-supply, voltage-output multiples.

The parts use a simple SPI/MICROWIRE compatible 3-wire serial interface which can be operated at clock rates up to 50MHz. Daisy-chain capability and a hardware CLR function are included.

The LTC2600/LTC2610/LTC2620 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.

## Features

Smallest Pin Compatible Octal DACs:

LTC2600: 16 Bits

LTC2610: 14 Bits

LTC2620: 12 Bits

Guaranteed 16-Bit Monotonic Over Temperature

Wide 2.5V to 5.5V Supply Range

Low Power Operation: 250 $\mu$ A per DAC at 3V

Individual Channel Power-Down to 1 $\mu$ A, Max

Ultralow Crosstalk Between DACs (<10 $\mu$ V)

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

Double-Buffered Digital Inputs

Pin Compatible 10-/8-Bit Versions (LTC1660/LTC1665)

Tiny 16-Lead Narrow SSOP and 20-Lead 4mm  $\times$  5mm QFN Packages

## Application

Mobile Communications

Process Control and Industrial Automation

Instrumentation

Automatic Test Equipment



## 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



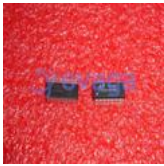
### [LTC2485IDD#PBF](#)

Analog Devices, Inc  
DFN-10



### [LTC2642CMS-16#PBF](#)

Analog Devices, Inc  
10MSOP



[LTC2418IGN#PBF](#)

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SSOP28



[LTC1865AIMS#PBF](#)

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MSOP-1