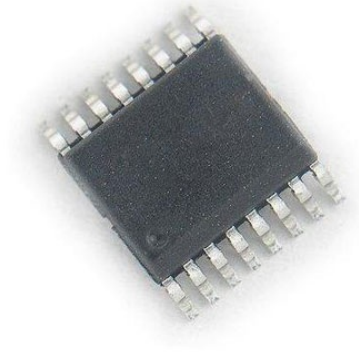


Digital to Analogue Converter, 12 bit, SPI, 2.5V to 5.5V, SSOP, 16 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SSOP16
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC2624CGN#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC2604/LTC2614/LTC2624 are quad 16-, 14- and 12-bit 2.5V to 5.5V rail-to-rail voltage output DACs in 16-lead narrow SSOP packages. These parts have separate reference inputs for each DAC. They have built-in high performance output buffers and are guaranteed monotonic.

These parts establish advanced 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 LTC2604/LTC2614/LTC2624 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 LTC2604-1/LTC2614-1/LTC2624-1 to midscale. The voltage outputs stay at midscale until a valid write and update take place.

## Features

Smallest Pin Compatible Quad 16-Bit DAC:

LTC2604: 16-Bits

LTC2614: 14-Bits

LTC2624: 12-Bits

Guaranteed 16-Bit Monotonic Over Temperature

Separate Reference Inputs for each DAC

Wide 2.5V to 5.5V Supply Range

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

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

Ultralow Crosstalk Between DACs (<5 $\mu$ V)

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

Double Buffered Digital Inputs

LTC2604-1/LTC2614-1/LTC2624-1: Power-On Reset to Midscale

16-Lead Narrow SSOP Package

## Application

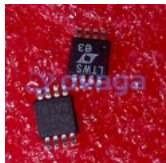
Mobile Communications

Process Control and Industrial Automation

Instrumentation

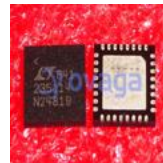
Automatic Test Equipment

## 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



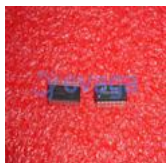
### [LTC2485IDD#PBF](#)

Analog Devices, Inc  
DFN-10



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

Analog Devices, Inc  
10MSOP



### [LTC2418IGN#PBF](#)

Analog Devices, Inc  
SSOP28



### [LTC1865AIMS#PBF](#)

Analog Devices, Inc  
MSOP-1