

2.5 V to 5.5 V, 400  $\mu$ A, Quad Voltage Output 8-Bit DAC in a 16-Lead TSSOP; Package: TSSOP; No of Pins: 16; Temperature Range: Industrial

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-16
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD5307ARUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The AD5307/AD5317/AD5327 are quad 8-, 10-, and 12-bit buffered voltage-output DACs, in a 16-lead TSSOP package, which operate from a single 2.5 V to 5.5 V supply consuming 400  $\mu$ A at 3 V. Their on-chip output amplifiers allow the outputs to swing rail-to-rail with a slew rate of 0.7 V/ $\mu$ s. The AD5307/ AD5317/AD5327 utilize a versatile 3-wire serial interface that operates at clock rates up to 30 MHz and is compatible with standard SPI, QSPI, MICROWIRE, and DSP interface standards.

### Product Highlights

Available in a 16-lead TSSOP package

Low power, single supply operation from 2.5 V to 5.5 V supply

Consumes 1.2 mW at 3 V and 2.5 mW at 5 V

Rail-to-Rail output with a slew rate of 0.7 V/ $\mu$ s

3-wire serial interface with clock rates up to 30 MHz

Pin- and Software-Compatible with the AD5317 (10-Bit) and the AD5327 (12-Bit)

## Features

Simultaneous Update of DAC Outputs via LDAC pin (active low) Available in a 16-lead TSSOP package

Asynchronous Clear Facility via CLR pin (active low)

Low power, single supply operation from 2.5 V to 5.5 V supply

SDO Daisy-Chaining Option

Consumes 1.2 mW at 3 V and 2.5 mW at 5 V

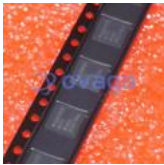
Buffered/Unbuffered Reference Input Options for each DAC pair Rail-to-Rail output with a slew rate of 0.7 V/ $\mu$ s

3-wire serial interface with clock rates up to 30 MHz

Pin- and Software-Compatible with the AD5317 (10-Bit) and the AD5327 (12-Bit)

## Application

## Related Products



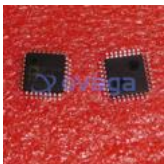
### [ADAS3022BCPZ](#)

Analog Devices, Inc  
LFCSP-40



### [AD574AJNZ](#)

Analog Devices, Inc  
PDIP-28



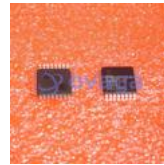
### [AD7938BSUZ](#)

Analog Devices, Inc  
TQFP-32



### [AD7124-8BCPZ-RL7](#)

Analog Devices, Inc  
LFCSP-32



### [AD7266BSUZ](#)

Analog Devices, Inc  
TQFP-32



### [AD7401YRWZ](#)

Analog Devices, Inc  
SOIC-16



### [AD7192BRUZ-REEL](#)

Analog Devices, Inc  
TSSOP-24



### [AD9680BCPZ-500](#)

Analog Devices, Inc  
LFCSP-64