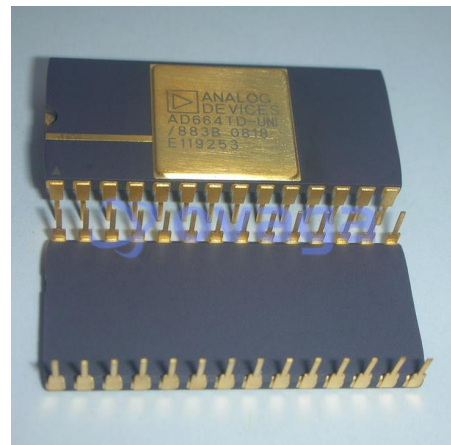


12-Bit Digital-to-Analog Converter

Manufacturers	Analog Devices, Inc
Package/Case	CDIP-28
Product Type	Data Conversion ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD664TD-UNI/883B or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD664 is four complete 12-bit, voltage-output digital-to-analog converters (DACs) on one monolithic IC chip. Each DAC has a double buffered input latch structure and a data readback function. All DAC read and write operations occur through a single microprocessor-compatible input/output (I/O) port.

The I/O port accommodates 4-bit, 8-bit, or 12-bit parallel words allowing simple interfacing with a wide variety of microprocessors. A reset to zero control pin is provided to allow a user to simultaneously reset all DAC outputs to zero, regardless of the contents of the input latch. Any one or all of the DACs may be placed in a transparent mode allowing immediate response by the outputs to the input data.

The analog portion of the AD664 consists of four DAC cells, four output amplifiers, a control amplifier, and switches. Each DAC cell is an inverting R-2R type. The output current from each DAC is switched to the on-board application resistors and output amplifier. The output range of each DAC cell is programmed through the digital input/output port and may be set to unipolar (UNI) or bipolar (BIP) range, with a gain of one or two times the reference voltage. All DACs are operated from a single external reference

The functional completeness of the AD664 results from the combination of the Analog Devices, Inc., BiMOS II process, laser trimmed thin film resistors, and double level metal interconnects.

Features

Four Complete Voltage Output DACs

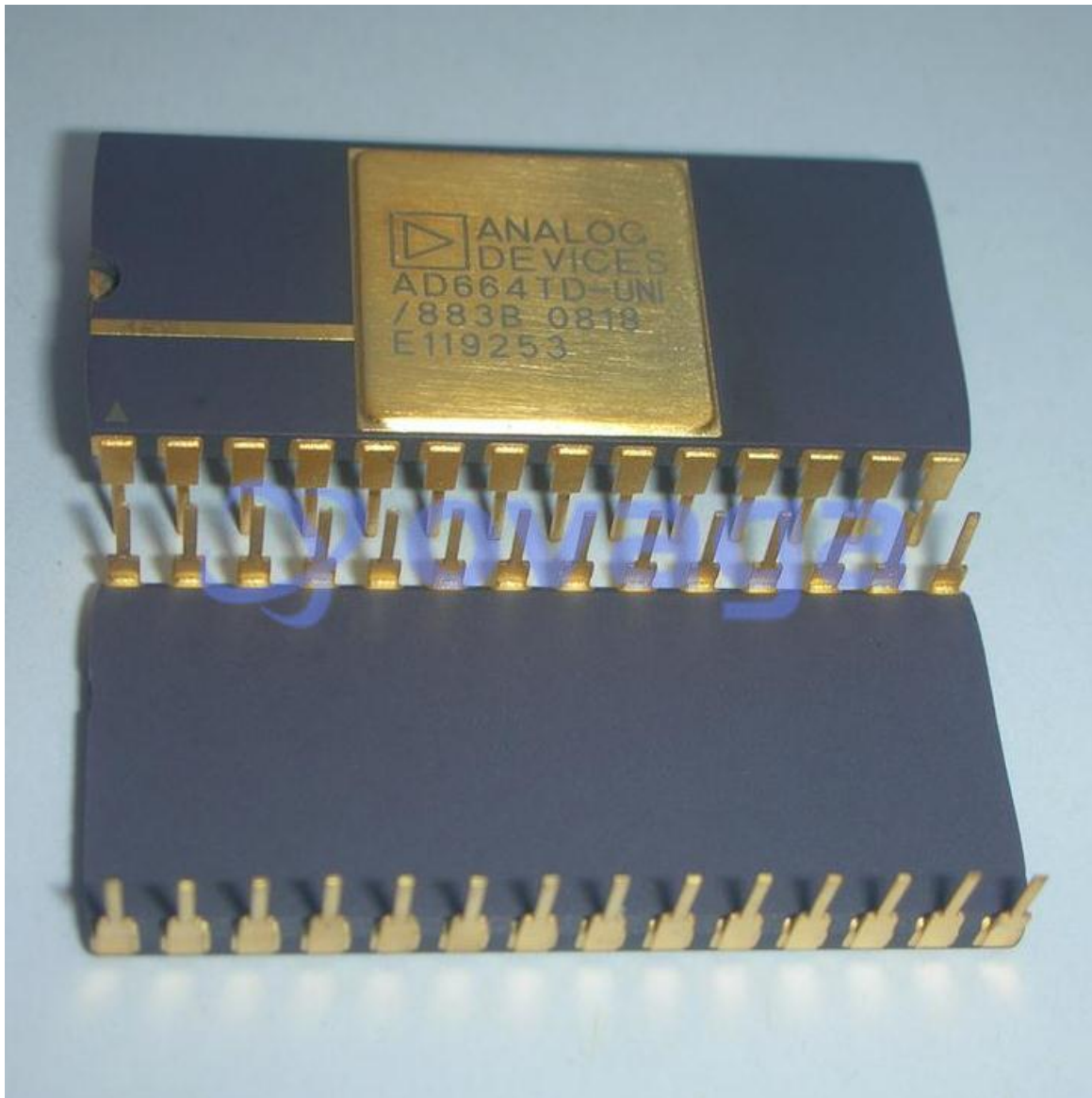
Date Register Readback Feature

Multiplying Operation

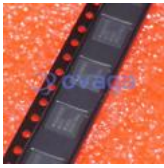
Double-Buffered Latched

Surface-mount (LCC, PLCC, and JLCC) and PDIP and SBDIP packages

MIL-STD-883 Compliant Versions Available

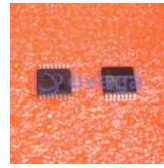


Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD7266BSUZ](#)

Analog Devices, Inc
TQFP-32



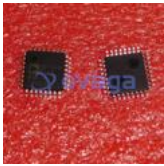
[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



[AD7401YRWZ](#)

Analog Devices, Inc
SOIC-16



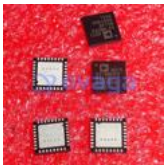
[AD7938BSUZ](#)

Analog Devices, Inc
TQFP-32



[AD7192BRUZ-REEL](#)

Analog Devices, Inc
TSSOP-24



[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc
LFCSP-32



[AD9680BCPZ-500](#)

Analog Devices, Inc
LFCSP-64