

## DAC 4-CH R-2R 12-bit 28-Pin SBCDIP Tube

**Manufacturer:** [Analog Devices, Inc](#)

**Package/Case:** AUCDIP

**Product Type:** Data Conversion ICs

**Lifecycle:** NRND



Images are for reference only

[Inquiry](#)

## 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.

## Key Features

Four Complete Voltage Output DACs

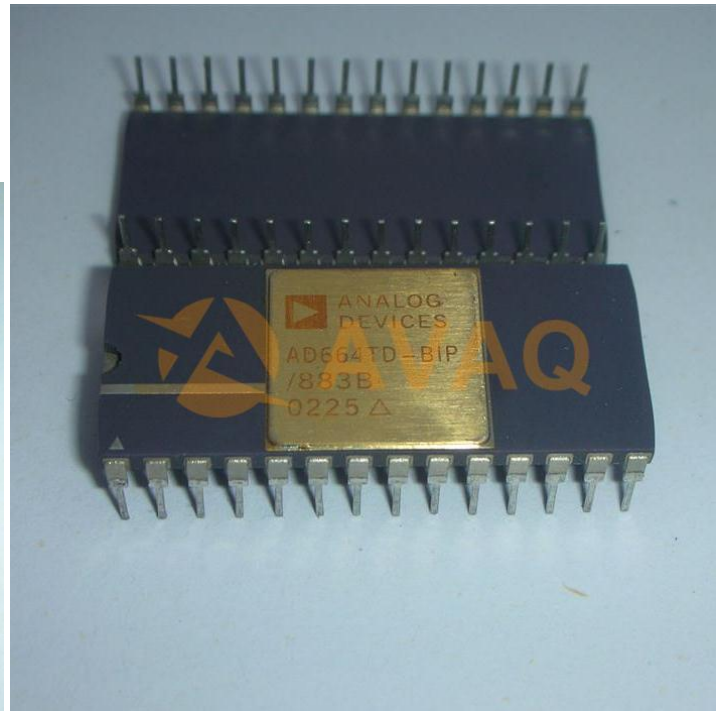
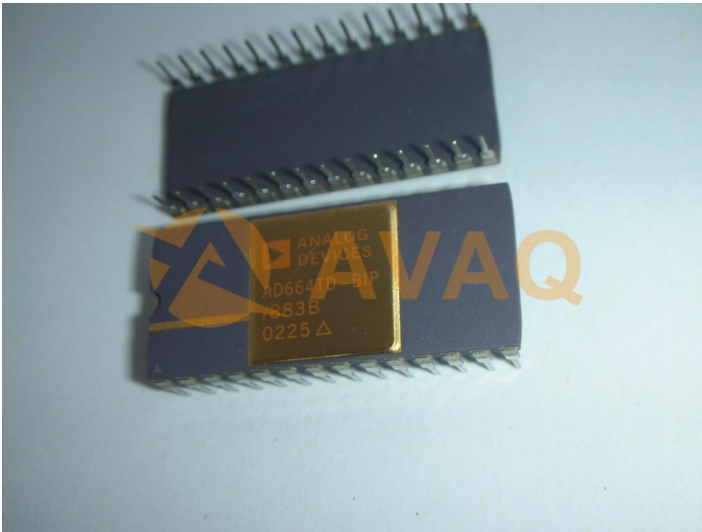
Data Register Readback Feature

Multiplying Operation

Double-Buffered Latched

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

MIL-STD-883 Compliant Versions Available



## Recommended For You

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### **AD7305BRZ**

Analog Devices, Inc

SOP20

### **AD9910BSVZ**

Analog Devices, Inc

TQFP100

### **AD9831ASTZ**

Analog Devices, Inc

QFP

### **AD5447YRUZ**

Analog Devices, Inc

TSSOP

### **AD5302BRMZ**

Analog Devices, Inc

MSOP10

### **AD5531BRUZ**

Analog Devices, Inc

TSSOP16

### **AD537JH**

Analog Devices, Inc

CAN10

### **AD652AQ**

Analog Devices, Inc

DIP

### **AD654JN**

Analog Devices, Inc

DIP8

### **AD7740YRMZ**

Analog Devices, Inc

MSOP8

### **AD9914BCPZ**

Analog Devices, Inc

LFCSP

### **AD73311ARSZ**

Analog Devices, Inc

SSOP20

### **AD7291BCPZ**

Analog Devices, Inc

LFCSP20

### **AD9954YSVZ**

Analog Devices, Inc

QFP

### **AD2S1205YSTZ**

Analog Devices, Inc

LQFP44