

## DAC 1-CH R-2R 10-bit Automotive 8-Pin SOIC N Tube

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	SOP8
<b>Product Type:</b>	Data Conversion ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The AD7390/AD7391 family of 10- and 12-bit voltage-output digital-to-analog converters are designed to operate from a single +3 volt supply. Built using a CBCMOS process, these monolithic DACs offer the user low cost, and ease-of-use in single-supply +3 V volt systems. Operation is guaranteed over the supply voltage range of +2.7 V to +5.5 V consuming less than 100  $\mu$ A making this device ideal for battery operated applications.

The full-scale voltage output is determined by the external reference input voltage applied. The rail-to-rail REFIN to DACOUT allows for a full-scale voltage set equal the positive supply VDD or any value in between.

A doubled-buffered serial-data interface offers high-speed, three-wire, SPI and microcontroller compatible inputs using data in (SDI), clock (CLK) and chip select (CS/LD) pins. Additionally, a CLR input sets the output to zero scale at power on or upon user demand.

Both parts are offered in the same pin out to allow the user to select the amount of resolution appropriate for their application without circuit card redesign. The AD7390/AD7391 are specified over the extended industrial (-40°C to +85°C) temperature range. AD7390/AD7391 are available in plastic DIP, and low profile 1.75 mm height SO-8 surface mount packages. For ultracompact applications the thin 1.1 mm TSSOP-8 package will be available.

### Key Features

Built using a CBCMOS process

Offers the user ease-of-use

SPI and QSPI serial interface compatible with Schmitt trigger inputs



## 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