
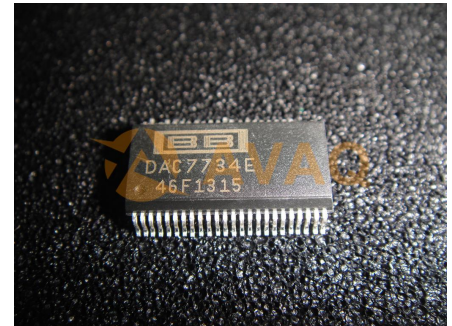


## DAC 4-CH R-2R 16-bit 48-Pin SSOP Tube

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	SSOP48
<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 DAC7734 is a 16-bit, quad voltage output, digital-to-analog converter (DAC) with ensured 16-bit monotonic performance over the specified temperature range. It accepts 24-bit serial input data, has double-buffered DAC input logic (allowing simultaneous update of all DACs), and provides a serial data output for daisy-chaining multiple DACs. Programmable asynchronous reset clears all registers to a mid-scale code of 8000h or to a zero-scale of 0000h. The DAC7734 can operate from a single +15V supply or from +15V and -15V, and +5V supplies.

Low power and small size per DAC make the DAC7734 ideal for automatic test equipment, DAC-per-pin programmers, data acquisition systems, and closed-loop servo-control. The DAC7734 is available in a 48-lead SSOP package and offers ensured specifications over the -40°C to +85°C temperature range.

## Key Features

LOW POWER: 200mW

UNIPOLAR OR BIPOLAR OPERATION

SINGLE SUPPLY OUTPUT RANGE: +10V

DUAL SUPPLY OUTPUT RANGE:  $\pm 10V$

SETTLING TIME: 10 $\mu s$  to 0.003%

16-BIT MONOTONICITY: 40°C to +85°C

PROGRAMMABLE RESET TO MID-SCALE OR ZERO-SCALE

DOUBLE-BUFFERED DATA INPUTS

APPLICATIONS

PROCESS CONTROL

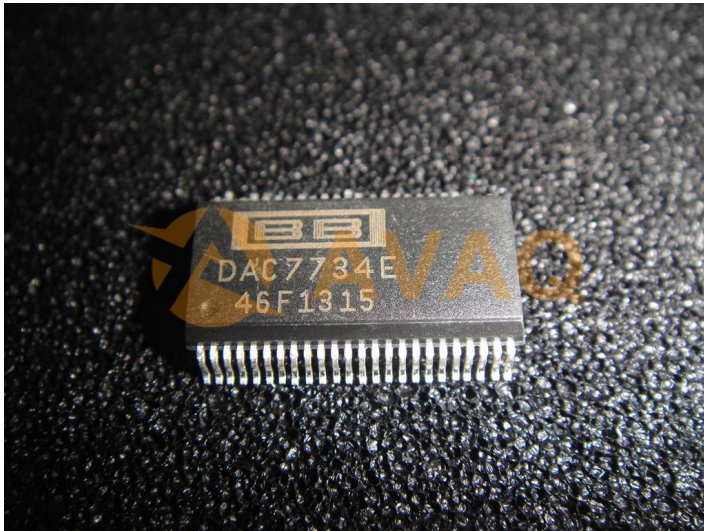
ATE PIN ELECTRONICS

CLOSED-LOOP SERVO-CONTROL

MOTOR CONTROL

DATA ACQUISITION SYSTEMS

DAC-PER-PIN PROGRAMMERS



## Recommended For You

### DAC6578SPW

Texas Instruments, Inc

TSSOP-16

### DAC7802KU

Texas Instruments, Inc

SOP24

### DAC122S085CIMM/NOPB

Texas Instruments, Inc

MSOP10

**DAC0800LCM**

Texas Instruments, Inc  
SOP16

**DAC1220E**

Texas Instruments, Inc  
SSOP16

**DAC7625U**

Texas Instruments, Inc  
SOP28

**DAC38J84IAAV**

Texas Instruments, Inc  
BGA

**DAC8043U**

Texas Instruments, Inc  
SOP8

**DAC712UB**

Texas Instruments, Inc  
SOP28

**DAC7634E**

Texas Instruments, Inc  
SSOP48

**DAC712UK**

Texas Instruments, Inc  
SOP28

**DAC7614UB**

Texas Instruments, Inc  
SOP16

**DAC108S085CIMI/NOPB**

Texas Instruments, Inc  
TSSOP-16

**DAC8164IAPW**

Texas Instruments, Inc  
TSSOP

**DAC7573IPW**

Texas Instruments, Inc  
TSSOP-16