
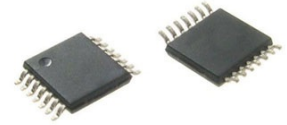


## Comparator Quad R-R I/P $\pm 18V/36V$ Automotive Medical 14-Pin TSSOP T/R

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	TSSOP14
<b>Product Type:</b>	Linear Displacement Sensors
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The TLV170x family of devices offers a wide supply range, rail-to-rail inputs, low quiescent current, and low propagation delay. All these features come in industry-standard, extremely-small packages, making these devices the best general-purpose comparators available.

The open collector output offers the advantage of allowing the output to be pulled to any voltage rail up to +36 V above the negative power supply, regardless of the TLV170x supply voltage.

These devices are available in single (TLV1701), dual (TLV1702), and quad (TLV1704) channel versions. Low input offset voltage, low input bias currents, low supply current, and open-collector configuration make the TLV170x family flexible enough to handle almost any application, from simple voltage detection to driving a single relay.

All devices are specified for operation across the expanded industrial temperature range of  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .

### Key Features

Supply Range:  $+2.2\text{ V}$  to  $+36\text{ V}$  or  $\pm 1.1\text{ V}$  to  $\pm 18\text{ V}$

Low Quiescent Current:  $55\text{ }\mu\text{A}$  per Comparator

Input Common-Mode Range Includes Both Rails

Low Propagation Delay:  $560\text{ ns}$

Low Input Offset Voltage:  $300\text{ }\mu\text{V}$

Open Collector Outputs  
Up To  $36\text{ V}$  Above Negative Supply Regardless of Supply Voltage

Industrial Temperature Range:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

Small Packages:  
Single: SC70-5, SOT-23-5, SOT553-5

Dual: VSSOP-8, X2QFN-8

Quad: TSSOP-14

### Application

Sensing & Instrumentation, Industrial, Consumer Electronics, Automotive, Medical

### Recommended For You

**TLC27M2CP**

Texas Instruments, Inc  
DIP8

**TLV3501AIDR**

Texas Instruments, Inc  
SOP8

**TL071ACP**

Texas Instruments, Inc  
DIP-8

**TL062CDR**

Texas Instruments, Inc  
SOP8

**TLE2142IP**

Texas Instruments, Inc  
DIP8

**TLC272AID**

Texas Instruments, Inc  
SOP-8

**TLV3502AQDCNRQ1**

Texas Instruments, Inc  
SOT23-8

**TL084CD**

Texas Instruments, Inc  
SOP14

**TLV2711DBVR**

Texas Instruments, Inc  
SOT23-5

**TLC074CD**

Texas Instruments, Inc  
SOP14

**TLC2272ACD**

Texas Instruments, Inc  
SOP-8

**TLC2272AIDR**

Texas Instruments, Inc  
SOP8

**TLV2462ID**

Texas Instruments, Inc  
SOP-8

**TLV2471QDBVRQ1**

Texas Instruments, Inc  
SOT23-5

**TLV2381DBVR**

Texas Instruments, Inc  
SOT23-5