


**Comparator Quad R-R O/P $\pm 16V/32V$ Automotive 14-Pin
TSSOP T/R**

Manufacturer:	<u>Texas Instruments, Inc</u>	LM2901AVQPWRQ1 Image
Package/Case:	TSSOP14	Images are for reference only
Product Type:	Linear Displacement Sensors	Inquiry
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

The LMx39x and the LM2901x devices consist of four independent voltage comparators that are designed to operate from a single power supply over a wide range of voltages. Operation from dual supplies also is possible, as long as the difference between the two supplies is 2 V to 36 V, and VCC is at least 1.5 V more positive than the input common-mode voltage. Current drain is independent of the supply voltage. The outputs can be connected to other open-collector outputs to achieve wired-AND relationships.

The LM139 and LM139A devices are characterized for operation over the full military temperature range of -55°C to $+125^{\circ}\text{C}$. The LM239 and LM239A devices are characterized for operation from -25°C to $+85^{\circ}\text{C}$. The LM339 and LM339A devices are characterized for operation from 0°C to 70°C . The LM2901, LM2901AV, and LM2901V devices are characterized for operation from -40°C to $+125^{\circ}\text{C}$.

Key Features

Wide Supply Ranges

Single Supply: 2 V to 36 V

Dual Supplies: ± 1 V to ± 18 V

Low Supply-Current Drain Independent of

Low Input Bias Current: 25 nA (Typical)

Low Input Offset Current: 3 nA (Typical) (LM139)

Low Input Offset Voltage: 2 mV (Typical)

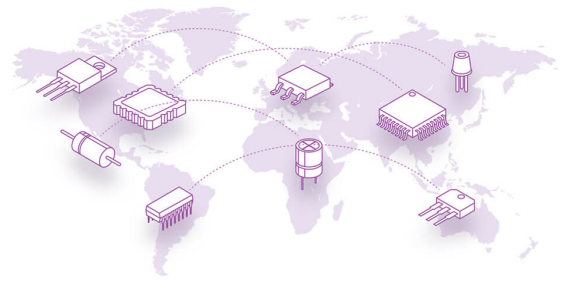
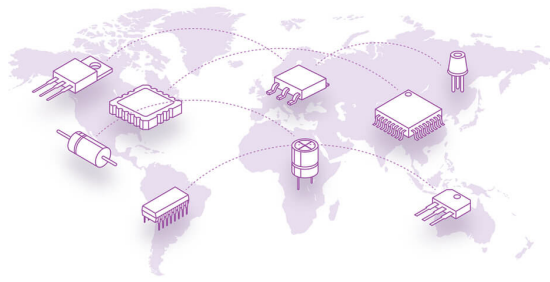
Common-Mode Input Voltage Range

Differential Input Voltage Range Equal to Maximum-Rated Supply Voltage: ± 36 V

Low Output Saturation Voltage

Output Compatible With TTL, MOS, and CMOS

On Products Compliant to MIL-PRF-38535,



Recommended For You

LM311MX

Texas Instruments, Inc

SOP8

LMV7219M5

Texas Instruments, Inc

SOT23-5

LM348D

Texas Instruments, Inc

SOP-14

LM224N

Texas Instruments, Inc

DIP14

LM239J

Texas Instruments, Inc

CDIP14

LMV331M5

Texas Instruments, Inc

SOT23-5

LM393ADR

Texas Instruments, Inc

SOP8

LM293DR

Texas Instruments, Inc

SOP8

LM293D

Texas Instruments, Inc

SOP8

LMV824MIX

Texas Instruments, Inc

TSSOP

LMV358M

Texas Instruments, Inc

SOP8

LMV321M5

Texas Instruments, Inc

SOT23-5

LM741H

Texas Instruments, Inc

CAN8

LM193AH

Texas Instruments, Inc

CAN8

LM111H/NOPB

Texas Instruments, Inc

CAN8