

CMOS, Low Voltage, 2 Wire, Serially Controlled Single 8 to 1 Matrix Switch

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-16
Product Type	Interface - Switches, Multiplexers, Demultiplexers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADG728BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

Each channel is controlled by one bit of an 8-bit word. This means that these devices may be used in a number of different configurations; all, any, or none of the channels may be on at any one time.

On power-up of the device, all switches will be in the OFF condition and the internal shift register will contain all zeros.

All channels exhibit break-before-make switching action preventing momentary shorting when switching channels.

The ADG728 and ADG729 are available in 16-lead TSSOP packages.

### Product Highlights

2-Wire Serial Interface.

Single Supply Operation. The ADG728 and ADG729 are fully specified and guaranteed with 3 V and 5 V supply rails.

Low On Resistance 2.5  $\Omega$  typical.

Any configuration of switches may be on at any one time.

Guaranteed Break-Before-Make Switching Action.

Small 16-Lead TSSOP Package.

## Features

2-Wire Serial Interface  
2.7 V to 5.5 V Single Supply  
2.5  $\Omega$  On Resistance  
0.75  $\Omega$  On-Resistance Flatness  
100 pA Leakage Currents  
Single 8-to-1 Matrix Switch  
Power-On Reset  
Small 16-Lead TSSOP Package  
Qualified for Automotive Applications

## Application

Data Acquisition Systems  
Communications Systems  
Relay Placement  
Audio and Video Switching  
Automatic Test Equipment

## Related Products



### [ADV7181CBSTZ](#)

Analog Devices, Inc  
LQFP-64



### [AD724JR](#)

Analog Devices, Inc  
SOIC-16



### [ADV7391WBCPZ](#)

Analog Devices, Inc  
LFSCP-3



### [ADV7341BSTZ](#)

Analog Devices, Inc  
LQFP-64



### [AD8170AR](#)

Analog Devices, Inc  
SOP8



### [ADV7393BCPZ](#)

Analog Devices, Inc  
LFCSP-VQ-40



### [ADV7390BCPZ](#)

Analog Devices, Inc  
QFN32



### [ADUM4160BRIZ](#)

Analog Devices, Inc  
SOIC-16