

8:1 Analog Multiplexer IC, Single, 8 ohm,  $\pm 3.3V$  to  $\pm 8V$ , TSSOP-16

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-16
Product Type	Multiplexer Switch ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG1608BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

Each switch conducts equally well in both directions when on and has an input signal range that extends to the supplies. In the off condition, signal levels up to the supplies are blocked. All switches exhibit break-before-make switching action. Inherent in the design is low charge injection for minimum transients when switching the digital inputs.

The low on resistance of these switches make them ideal solutions for data acquisition and gain switching applications where low on resistance and distortion is critical. The on-resistance profile is very flat over the full analog input range, ensuring excellent linearity and low distortion when switching audio signals.

CMOS construction ensures ultralow power dissipation, making the parts ideally suited for portable and battery-powered instruments.

### Applications

Communication systems

Medical systems

Audio signal routing

Video signal routing

Automatic test equipment

Data acquisition systems

Battery-powered systems

Sample-and-hold systems

Relay replacements

## Features

4.5  $\Omega$  typical on resistance

1  $\Omega$  on-resistance flatness

Up to 470 mA continuous current

3.3 V to 16 V single-supply operation

No VL supply required

3 V logic-compatible inputs

Rail-to-rail operation

16-lead TSSOP and 16-lead, 3 mm  $\times$  3 mm LFCSP

## Application

Communication systems

Medical systems

Audio signal routing

Video signal routing

Automatic test equipment

Data acquisition systems

Battery-powered systems

Sample-and-hold systems

Relay replacements



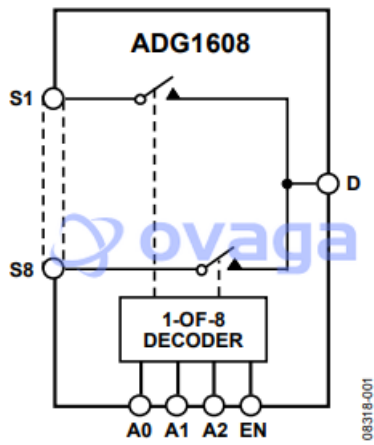


Figure 1.

## Related Products



[ADV7181CBSTZ](#)  
Analog Devices, Inc  
LQFP-64



[AD8170AR](#)  
Analog Devices, Inc  
SOP8



[AD724JR](#)  
Analog Devices, Inc  
SOIC-16



[ADV7393BCPZ](#)  
Analog Devices, Inc  
LFCSP-VQ-40



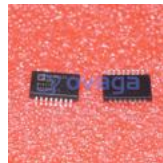
[ADV7391WBCPZ](#)  
Analog Devices, Inc  
LFSCP-3



[ADV7390BCPZ](#)  
Analog Devices, Inc  
QFN32



[ADV7341BSTZ](#)  
Analog Devices, Inc  
LQFP-64



[ADUM4160BRIZ](#)  
Analog Devices, Inc  
SOIC-16