CMOS, Low Voltage, SPI/QSPI/Microwire Compatible Interface, Serially Controlled, Octal SPST Switches

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|---|---|
| Manufacturers | Analog Devices, Inc |
| Package/Case | TSSOP-24 |
| Product Type | Analog Switches Multiplexers ; Single Supply 2V to 16V |
| RoHS | Rohs |
| Lifecycle | |

Images are for reference only

Please submit RFQ for ADG714BRUZ or Email to us: sales@ovaga.com We will contact you in 12 hours.　　RFQ

## General Description

The ADG714 is a complementary metal-oxide semiconductor (CMOS), octal single-pole, single-throw (SPST) switch controlled via a 3-wire serial interface. On resistance is closely matched between the switches and is flat over the full signal range. Each switch conducts equally well in both directions, and the input signal range extends to the supplies. Data is written to these devices in the form of 8 bits, each bit corresponding to one channel.

The ADG714 uses a 3-wire serial interface that is compatible with serial peripheral interface (SPI), QSPI™, MICROWIRE™ interface standards, and most digital signal processing (DSP) interface standards. The output of the shift register DOUT enables a number of these devices to be daisy-chained.

On power-up, all switches are in the OFF condition, and the internal registers contain all zeros.

A low power consumption and operating supply range of 2.7 V to 5.5 V makes this part ideal for many applications. The ADG714 may also be supplied from a dual ±2.5 V supply. The ADG714 is available in a 24-lead TSSOP and a 24-lead LFCSP.

Product Highlights

3-wire serial interface.

Single-/dual-supply operation. The ADG714 and ADG715 are fully specified and guaranteed with 3 V, 5 V, and ±2.5 V supply rails.

Low on resistance, typically 2.5 Ω.

Low leakage.

Power-on reset.

A 24-lead TSSOP.

A 24-lead LFCSP.

## Features

SPI/QSPI/MICROWIRE-compatible interface

2.7 V to 5.5 V single supply

2.5 Ω on resistance

0.6 Ω on resistance fatness

0.1 nA leakage currents

Octal SPST

Power-on reset

Fast switching times

TTL/CMOS compatible

24-lead TSSOP and 24-lead LFCSP

## Application

Data acquisition systems

Communication systems

Relay replacement

Audio and video switching

## 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

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