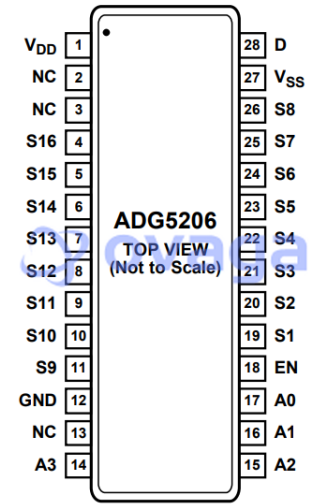


Analog Multiplexer, 16:1, 1 Circuit, 170 ohm, 80 μ A, 9V to 40V, \pm 9V to \pm 22V, TSSOP-28

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-28
Product Type	Multiplexer Switch ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG5206BRUZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

An EN input enables or disables the device. When EN is low, the device is disabled, and all channels switch off. The ultralow capacitance and charge injection of these switches make them ideal solutions for data acquisition and sample-and-hold applications, where low glitch and fast settling are required. Fast switching speed coupled with high signal bandwidth make these devices suitable for video signal switching.

Each switch conducts equally well in both directions when on, and each switch has an input signal range that extends to the power supplies. In the off condition, signal levels up to the supplies are blocked.

The ADG5206 does not have a VL pin; instead, the logic power supply is generated internally by an on-chip voltage generator.

Features

Latch-up proof

3.5 pF off source capacitance

64 pF off drain capacitance

0.35 pC typical charge injection

Low on resistance: 155 Ω typical

9 V to 40 V single-supply operation

VSS to VDD analog signal range

Human body model (HBM) ESD rating- 8 kV all other pins

Application

Automatic test equipment

Data acquisition

Instrumentation

Avionics

Battery Monitoring

Communication systems

PRODUCT HIGHLIGHTS

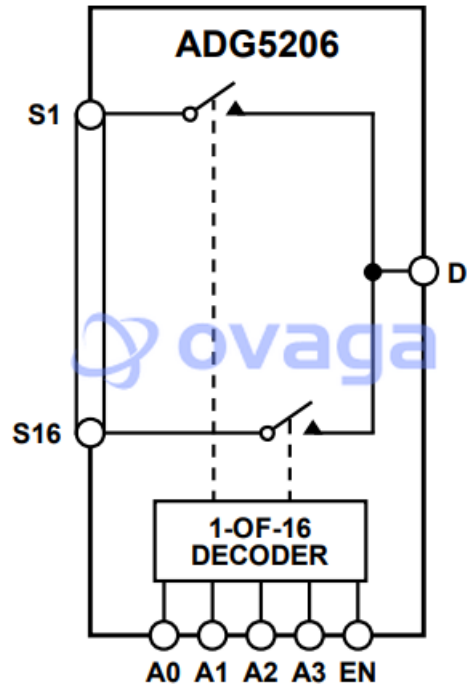
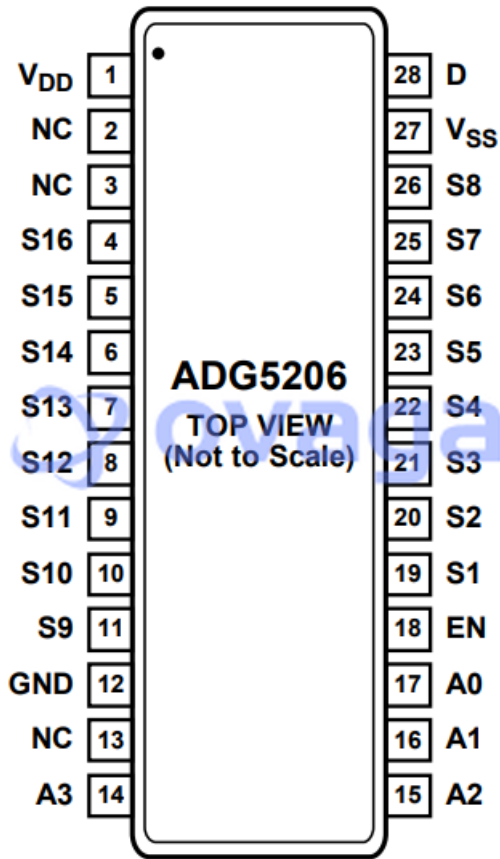
Trench Isolation Guards Against Latch-Up. A dielectric trench separates the P and N channel transistors to prevent latch-up even under severe overvoltage conditions.

Optimal switch design for low charge injection, low switch capacitance and low leakage currents

The ADG5206 achieves 8 kV HBM ESD specification on all external pins

Dual-Supply Operation. For applications where the analog signal is bipolar, the ADG5206 can be operated from dual supplies of up to ± 22 V.

Single-Supply Operation. For applications where the analog signal is unipolar, the ADG5206 can be operated from a single rail power supply of up to 40 V.



10714-001

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](#)
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LFSCP-3



[ADV7390BCPZ](#)
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QFN32



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



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