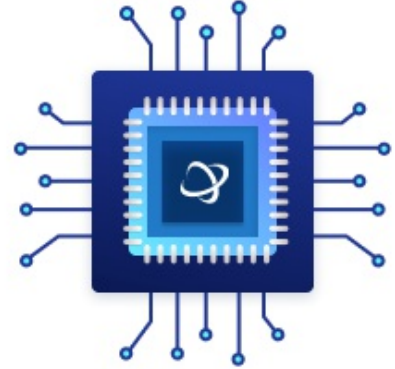


Digital Isolator, 7 Channel, 25 ns, 3 V, 5.5 V, SSOP, 20 Pins

| | |
|---------------|-------------------------------------|
| Manufacturers | Analog Devices, Inc |
| Package/Case | |
| Product Type | Interface ICs |
| RoHS | Pb-free Halide free |
| Lifecycle | |



Images are for reference only

Please submit RFQ for ADUM3151ARSZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADuM3151/ADuM3152/ADuM3153 are 7-channel, SPIsolator™ digital isolators optimized for isolated serial peripheral interfaces (SPIs). Based on the Analog Devices, Inc., iCoupler® chip scale transformer technology, the low propagation delay in the CLK, MO/SI, MI/SO, and SS SPI bus signals supports SPI clock rates of up to 17 MHz. These channels operate with 14 ns propagation delay and 1 ns jitter to optimize timing for SPI.

The ADuM3151/ADuM3152/ADuM3153 isolators also provide three additional independent low data rate isolation channels in three different channel direction combinations. Data in the slow channels is sampled and serialized for a 250 kbps data rate with up to 2.5 μ s of jitter in the low speed channels.

Features

Supports up to 17 MHz SPI clock speed

4 high speed, low propagation delay, SPI signal isolation channels

Three 250 kbps data channels

20-lead SSOP package with 5.1 mm creepage

High temperature operation: 125°C

High common-mode transient immunity: >25 kV/μs

UL recognition per UL 1577

3750 V rms for 1 minute

CSA Component Acceptance Notice 5A

VDE certificate of conformity

DIN V VDE V 0884-10 (VDE V>

Application

Industrial programmable logic controllers (PLCs)

Sensor isolation

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