

Interface and Isolation Update



Winter 2013

New Products

Industry's Lowest Power Digital Isolators

ADuM144x Features:

- Quad-channel digital isolator
- Provides as little as 1 μ W of power
- Operating voltage range of 2.25 V to 3.6 V
- 2.5 V operation (typical)
 - 3.4 μ A per channel quiescent current, refresh enabled
 - 0.1 μ A per channel quiescent current, refresh disabled
- Small, 16-lead QSOP package

>>Visit the [ADuM144x product page](#)

>>A digital isolator with such low power that it can be powered by a potato!

[Watch video now](#)

Isolated Precision Half-Bridge Driver, 4 A Output

ADuM7223 Features:

- 3.3 V to 5 V input logic
- 4.5 V to 18 V output drive
- UVLO at 2.5 V V_{DD1} and 4.1 V V_{DD2}
- 1 MHz (max) high frequency operation
- 5 mm x 5 mm, 14-lead LGA package

>>Visit the [ADuM7223 product page](#)

Isolated I²C and Power in a Single Package

ADM3260 Features:

- Provides 150 mW of output power
- Operates from 3.3 V and 5 V supplies
- 2.5 kV rms isolation rating
- 20-lead SSOP package with 5 mm creepage

>>Visit the [ADM3260 product page](#)

Series of ADI Switches That Guarantee Latch-Up Immune Under All Conditions

ADG5401 (SPST \times 1), ADG5419 (SPDT \times 1), and ADG5421/ADG5423 (SPST \times 2 With Choice of Switch Logic Control) Features:

- 8 kV HBM ESD
- Low on resistance
- \pm 9 V to \pm 22 V dual supply operation
- 9 V to 40 V single supply operation

>>Visit the [ADG5401 product page](#)

>>Visit the [ADG5419 product page](#)

>>Visit the [ADG5421 product page](#)

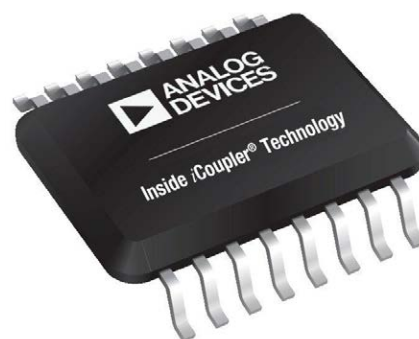
>>Visit the [ADG5423 product page](#)

App Note



NAppkin Notes: Written expressly for the Interface and Isolation newsletter. This quarter we bring you "I²C Cabling"

READ NOW!



Inside iCoupler Technology:

Balancing the Major Elements of an Isolator for Safety's Sake

[Read technical article now!](#)

Technical Items of Interest

- Selection Guide: [Switches and Multiplexers Portfolio](#)
- Technical Article: [Digital Isolators Offer Easy to Use USB Option](#)
- Technical Article: [RS-485 Communication Link vs. the Electric Fence: A Demonstration of RS-485 EMC Robustness](#)

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