



New Products

Isolated Switching Regulator with Integrated Feedback

ADuM3070 Features:

- Isolated PWM feedback with built in compensation
- Primary side transformer driver for up to 2.5W output power with 5V input voltage
- Regulated adjustable output: 3.3V to 24V
- 2.5kV rms isolation rating
- 16-lead QSOP package
- High temperature operation: 105°C

» Learn more about the [ADuM3070](#)

First Small, Quad-Channel Digital Isolators to Interface to 1.8V I/O

Watch this video to learn about the features of the ADuM348x family.



» Sample and learn more about [ADuM348x](#)

1kV rms Dual-Channel Digital Isolators

ADuM724x Features:

- Up to 25Mbps data rate (NRZ)
- Low power operation
- High common-mode transient immunity: >15 kV/μs
- 3V/5V level translation
- 8-lead narrow body SOIC package
- High temperature operation: 105°C
- Multiple channel configurations available

» Sample and learn more about the [ADuM724x](#)

Check out What Else is New from the Interface and Isolation Teams



Digital Isolator Product Selection and Resource Guide -
[Download your copy now!](#)

Inside iCoupler® Technology:

Differential Data Transfer: What's the Difference?

The primary function of an isolator is to pass some form of information across an electrical barrier while preventing current flow. Isolators are constructed from an insulating material that blocks the current flow, with a coupling element on both sides of the barrier. Information is typically encoded before being transmitted across the barrier by the coupling elements.

iCoupler digital isolators from Analog Devices use chip-scale microtransformers as the coupling element to transfer data across a high quality polyimide insulation barrier. Two primary methods of data transfer have been used in iCoupler isolators: single-ended and differential. Selection of a data transfer scheme involves engineering trade-offs to optimize the desired characteristics of the end product.

Learn more [here](#).

NAppkin Notes -
written
expressly for the
Interface and
Isolation Update



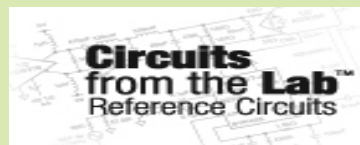
[ADM3052 and ADM3053 Product Highlight](#)

[Analog Dialogue: Designing Robust Isolated RS-232 Data Interfaces for Harsh Industrial Applications](#)

[Technical Article: Integration of Isolation for Grid-Tied Photovoltaic Inverters](#)

[Technical Article: Reduce Size and Cost with Integrated Industrial Interface Digital Isolators](#)

- are ideas, hints, and tips for building with interface and iCoupler digital isolator technologies. This issue we present: **Layered Isolation..**
[Read whole note here.](#)



[Complete 4 mA to 20 mA HART Solution](#)

[Complete 4 mA to 20 mA HART Solution with Additional Voltage Output Capability](#)

[Isolated LVDS Interface Circuit](#)



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Analog Devices, Inc.
Corporate Headquarters
3 Technology Way
Norwood, MA 02062
U.S.A.