

Digital Isolator Update



Spring 2011

Product news and resources from ADI's iCoupler® isolation technology group

New Products

The ADuM3221 Isolated 4A Dual-Channel Gate Driver Offers:

- 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 at V_{DD2}
- Thermal shutdown protection at $>150^{\circ}\text{C}$
- Default low output

» Learn more about the [ADuM3221](#), which is available to order from ADI and its distributors.

» [Learn more about the ADuM3221 by watching the product introductory video here.](#)

New Certified Eval Boards

Improve Your Time to Market with Eval Boards, Now Certified for EN5022 Class B

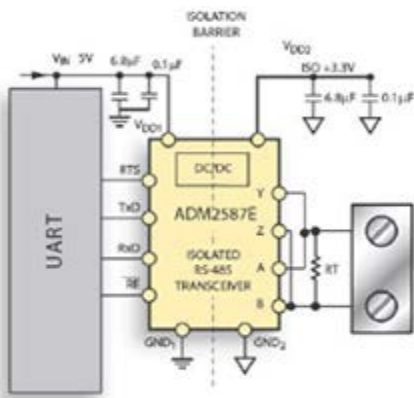
These boards provide the capability to connect the PHY to the bus on one side of the board, and the logic lines to a microprocessor or DSP on the other side, for isolated transceiver component evaluation purposes. Both are available to order from ADI and its distributors right now.

» [ADM2587E \(500kbps, 2.5kVrms Signal and Power Isolated RS-485 Transceiver\) ORDER.](#)

» [ADM2582E \(16Mbps, 2.5kVrms Signal and Power Isolated RS-485 Transceiver\) ORDER.](#)

Whitepaper

Choices for Partitioning Isolated Power in Isolated RS-485 Nodes



ADI's integrated RS-485 isolated transceiver portfolio offers the flexibility and performance to meet challenging system design requirements with significant advantages over the optocoupler approach. [Learn more here.](#)

Featured Video

Reinforced Insulation on Opto & Non-Opto Isolators

TELL US WHAT YOU THINK

When you isolate DC power, what input/output voltage do you require? (Check all that apply.)

- 3 – 5 V input
- 12 V input
- 24 V input
- Single output
- Bipolar output
- I don't isolate DC Power

Comment box

To view this survey online, please click [here.](#)

Inside iCoupler Technology

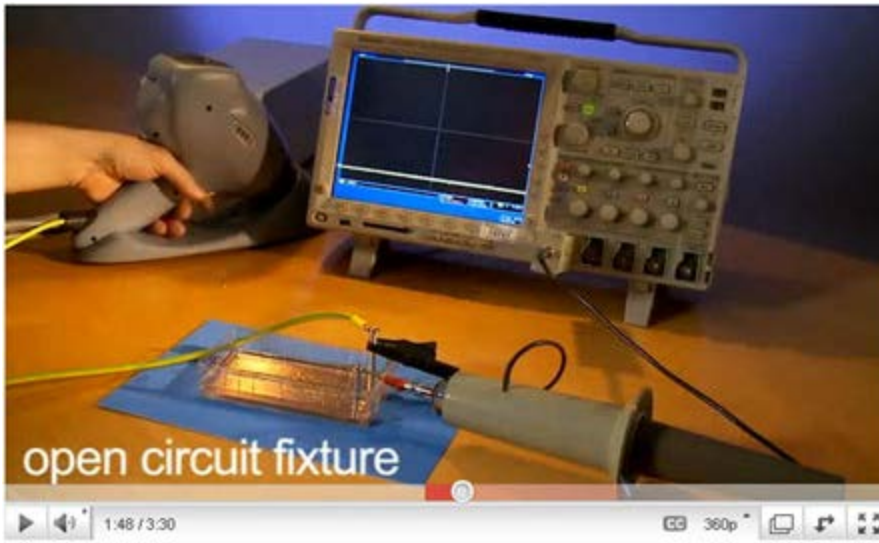
TECHNICAL PAPER: Driving an H-Bridge with ADuM3220 Isolated Gate Drivers

H bridge circuits are used in many power applications, such as inverters and motor drives, in the presence of high voltages and other electrical hazards. For safety and protection, designers can isolate control circuitry from the H bridge using isolated gate drivers.

» [Learn more about Driving an H-Bridge here.](#)

NAppkin Notes – written expressly for the Digital Isolation Update – are ideas, hints, and tips for building with iCoupler technology. This





[Learn how iCoupler digital isolators meet the same IEC safety standards as optocouplers.](#)

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