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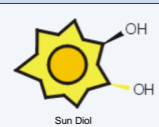
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Hard Workers

 NVE is known for hard work, and now it's official. NVE's chairman was recently included on a list of hardest-working board members in the *Minneapolis/St. Paul Business Journal*. [<More NVE Accolades>](#)

Fun Formulas




Transistors Gone Wild

 "Transistors Gone Wild" by The Network is NVE's current telephone background music, because spintronics are like transistors gone wild.

NVE tries to ensure callers aren't put on hold, but you can dial (952) 996-1639 option 9 to hear the hold music.

July 4 Holiday

 NVE will be closed for business Monday, July 5 in observance of Independence Day.

Featured Products

Narrow-Body SOIC-16 Isolators

IsoLoop-3 The world's densest isolators, IsoLoop "Dash Think Thin! Three" Isolators provide a full line of unique 0.15", narrow-body SOIC-16 isolators—half the size of other isolators.

Like all IsoLoop Isolators, these products feature minimal signal distortion, wide temperature range, low power consumption, and unlimited life. Narrow-body isolators are available in a variety of input, output, and channel configurations, as well as a full line of isolated RS-485/RS-422/PROFIBUS transceivers.



Key narrow-body isolator features include:

- 0.15", 16-pin SOIC
- Passive or digital inputs
- Three, four, or five channels or isolated RS-422/RS-485
- IEC 61010-2001 approved
- 125°C (IL700T-Series)

Nearly 20 Dash Three isolator part types are currently [in stock](#) and available for immediate delivery with no minimum order:

Part Number	Mbps Data Rate	Tx/Rx Chan	Input	Key Features	Max. Temp.
IL514-3	2	2/1	Digital	DC correct; Output Enable	85°C
IL515-3	2	4/0	Digital	DC correct; Output Enable	85°C
IL516-3	2	2/2	Digital	DC correct	85°C
IL613-3	100	3/0	Passive		85°C
IL614-3	100	2/1	Passive	One Output Enable	85°C
IL715-3	110	4/0	Digital		100°C
IL716-3	110	2/2	Digital		100°C
IL717-3	110	3/1	Digital		100°C
IL715T-3	110	4/0	Digital	High Temperature	125°C
IL716T-3	110	2/2	Digital	High Temperature	125°C
IL717T-3	110	3/1	Digital	High Temperature	125°C
IL260-3	110	5/0	Digital	Five Channel	85°C
IL261-3	110	4/1	Digital	Five Channel	85°C
IL262-3	110	3/2	Digital	Five Channel	85°C
IL3122-3	5	RS-422	Passive	32 nodes; 15 kV Bus ESD	85°C
IL3185-3	5	RS-485	Passive	32 nodes; 15 kV Bus ESD	85°C
IL3222-3	5	RS-422	Passive	Fractional Load (256 nodes)	85°C
IL3285-3	5	RS-485	Passive	Fractional Load (256 nodes)	85°C
IL3422-3	20	RS-422	Passive	32 nodes; 15 kV Bus ESD	85°C
IL3485-3	20	RS-485	Passive	32 nodes; 15 kV Bus ESD	85°C

Buy Online
\$9.95 shipping

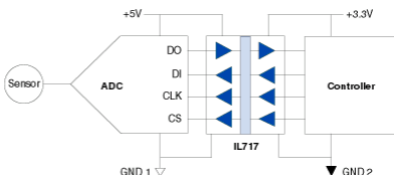
Application Corner

Declare Power Supply Independence

By [Sandy "True Blue" Templeton](#)
Director, Isolator Product Development and Applications

Independence Day is a good time to remember that IsoLoop Isolators can isolate and level-shift between independent supplies.

The figure below shows a common application using an IL717 to isolate and level-shift data from a 5-volt powered sensor and ADC to a 3.3 V logic controller:



Isolating Independent Power Supplies

Isolation keeps the two power supplies independent with separate digital and analog ground current paths. This eliminates ground loops, minimizes noise, and improves measurement accuracy.

IL700/IL200-Series Isolators are available in a variety of configurations with up five channels per device. Versions are available in NVE's unique, ultra-dense 0.15" narrow-body SOIC package (see [featured products](#) above).

So declare your power supply independence with isolation.

[<More Level Shifting Info \(.pdf; Application Bulletin No. 4\)>](#)

[<Isolator Selector Guide>](#)