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Exceptional Growth

NVE moved up an remarkable 11 notches to 86th in this year's recently-published *TwinCities Business* ranking of the Top 100 public companies in Minnesota.
[<More Rankings>](#)

Spring Forward

 Daylight Saving Time begins Sunday, March 11. Set your clocks forward an hour. It's also a good time to check smoke alarms and make sure your [SPI circuits are isolated](#).

St. Patrick's Sayings

- The Irish invented bagpipes and gave them to the Scots as a joke. The Scots haven't seen the joke yet. 
- The Irish are a very fair people. They never speak well of one another.

High-Performance Bidirectional Isolators

IsoLoop Isolators are the award-winning industry standard for solid-state signal isolation and the ultimate in speed and performance.



Their unique spintronic technology make them especially good for bidirectional applications. IsoLoop isolators are incredibly fast, and inherently well-matched for remarkable propagation delay, pulse-width distortion, jitter, and channel-to-channel skew.

- Key specifications are:
- 18 ns max. propagation delay
 - Pulse-width distortion to 300 ps
 - 100 ps jitter
 - 3 ns max. channel-to-channel skew

And all IsoLoop Isolators have these key features:

- 2.5 kVrms isolation (1 min.)
- Low EMC footprint
- MSOP, SOIC, and PDIP packages
- UL1577 & IEC 61010-2001 approved

Popular bidirectional applications include [serial interfaces](#), [isolated CAN Bus](#), [isolated SPI](#), and [isolated A/D converters](#).

A bidirectional application example is shown in the [Application Corner](#) below.

NVE's broad line of high-performance bidirectional Isolators includes 34 part types. Because the real world is bidirectional.

[<Serial Application Center>](#)

Buy Online
\$9.95 shipping

New Representative in China



Jingshi Technologies was recently appointed an authorized sales representative in China for NVE's award-winning

IsoLoop Isolators. Established in 2011, Jingshi is headquartered in Shanghai.

NVE parts are available in more than 75 countries and our representatives speak countless languages, including Chinese.

[<Isolator Distributor Network>](#)

Recent Exhibitions



IsoLoop distributor HY LINE Power Components exhibited at the **Embedded World** exhibition recently in Nuremberg, Germany. [IsoLoop Isolated Bus Transceivers](#) are popular for embedded applications.

NVE Expansion

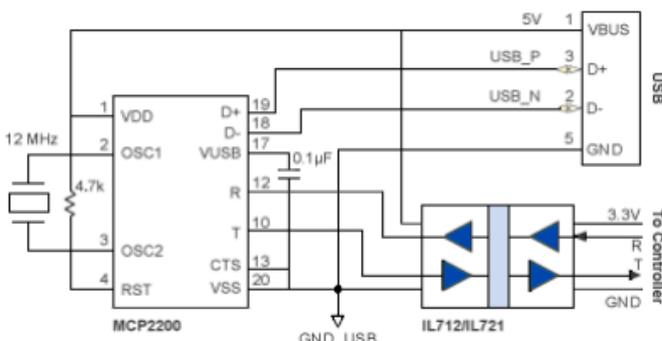


Production has begun in a new cleanroom bay at NVE. The expansion increases the production capacity of NVE's award-winning products.

Application Corner

Isolated USB

Isolating USB reduces noise and eliminates ground loops. Isolating the input to a USB controller (rather than the bus lines) requires fewer isolation channels and is therefore usually the simplest solution, as shown in the following illustrative circuit:



Isolated USB UART Using an IL712

The Microchip MCP2200 is a USB 2.0 to UART protocol converter. [IL712/IL721 Series Isolators](#) are best-in-class bidirectional isolators with a remarkable 100 ps of jitter. The isolators are available in PDIPs, SOICs, or unique MSOPs to reduce board space.

[<Serial Application Center>](#)

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