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Semtech Expands TClamp Platform to Protect Telecom and Industrial Applications from Surge and ESD Threats

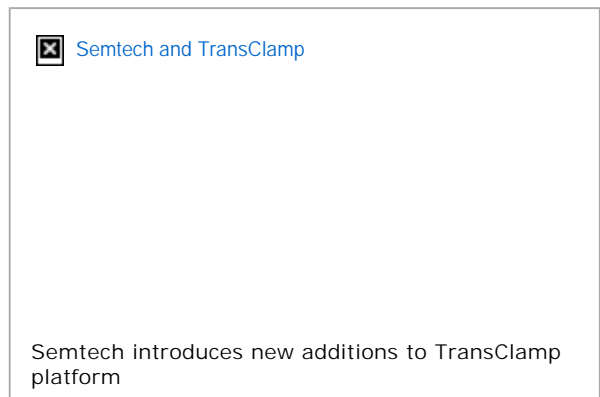
Optimized for high surge handling, the new TClamp3312N provides extremely robust transient voltage protection in harsh electrical environments

CAMARILLO, Calif., Sept. 20, 2017 (GLOBE NEWSWIRE) -- [Semtech Corporation](#) (Nasdaq:SMTC), a leading supplier of high performance analog and mixed-signal semiconductors and advanced algorithms, today announced the newest member of its TClamp® low capacitance surge protection platform. This new two-line TVS array offers high-surge, low-capacitance transient protection in an ultra-small footprint. Optimized for safeguarding Telecom and Industrial data interfaces from dangerous transient voltage threats, the device also minimizes capacitive loading on high-speed interfaces.

A photo accompanying this announcement is available at <http://www.globenewswire.com/NewsRoom/AttachmentNg/7714f864-707f-482f-8816-94161663aa8c>

Targeted at the Telecom industry's surge immunity requirements, Semtech's new TClamp array offers an impressive 120A (8x20µs waveform) of surge immunity and is housed in a very small 2.6mm x 2.6mm QFN package. This product exceeds the industry standard requirements for electrostatic discharge (ESD) immunity, delivering best-in-class clamping voltage performance and a minimal line-to-line capacitance of less than 5pF.

"High density data ports in Telecom infrastructure systems increasingly require higher levels of surge immunity," said Tamir Reshef, Product Marketing Director for the Industrial and Telecom division of Semtech's Protection Products Group. "Semtech continues to innovate and extend its TClamp® platform by providing a truly unique feature set combined with an optimal balance of high-surge transient voltage protection and minimal capacitive loading to maintain signal integrity on high-speed data interfaces."



TClamp3312N Key Features

- Transient protection for high-speed data lines to: IEC 61000-4-2 (ESD) ±30kV (contact), ±30kV (air); IEC 61000-4-4 (EFT) 40A (5/50ns); IEC 61000-4-5 (Lightning) 20A (8/20µs)
- 3.3V working voltage protection with Low capacitance (< 5pF line-to-line) High surge capability: 120A (tp=8/20µs) on 2 I/O lines (1 differential pair)

Pricing and Availability

The TClamp3312N (order code: TClamp3312N.TCT) is available immediately in production quantities and is priced at \$1.36 each in 10,000-piece lots. Semtech offers comprehensive design assistance, including field- and factory-based support. Data sheets, volume pricing and delivery quotes, as well as evaluation kits and samples, are available by contacting info@semtech.com.

About Semtech

Semtech Corporation is a leading supplier of high performance analog and mixed-signal semiconductors and advanced algorithms for high-end consumer, computing, communications and industrial equipment. Products are designed to benefit the engineering community as well as the global community. The company is dedicated to reducing the impact it, and its products, have on the environment. Internal green programs seek to reduce waste through material and manufacturing control, use of green technology and designing for resource reduction. Publicly traded since 1967, Semtech is listed on the NASDAQ Global Select Market under the symbol SMTC. For more information, visit www.semtech.com.

Forward-Looking and Cautionary Statements

All statements contained herein that are not statements of historical fact, including statements that use the words "designed to," or other similar words or expressions, that describe Semtech Corporation's or its management's future plans, objectives

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The photo is also available at Newscom, www.newscom.com, and via AP PhotoExpress.

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