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Semtech's Latest Addition to the RClamp® Platform Protects Systems from ESD Threats in Data Center and Telecom Applications

Newest member of the RClamp portfolio provides protection to high-speed data lines from destructive ESD surges

CAMARILLO, Calif., May 17, 2017 (GLOBE NEWSWIRE) -- [Semtech Corporation](#) (Nasdaq:SMTC), a leading supplier of analog and mixed-signal semiconductors, announced the availability of a new product for its RClamp® platform, a low capacitance 5V (V_{rwm}) transient voltage protection array optimized to safeguard high-speed data signals from electrostatic discharge (ESD) threats. Semtech's RClamp protection products feature ultra-low capacitance with industry leading surge handling and ESD protection characteristics.

A photo accompanying this announcement is available at <http://www.globenewswire.com/NewsRoom/AttachmentNg/ec7e20b1-a710-4f30-9c3d-3f6b034fb7f3>

This specific device, the [RClamp0532T](#), offers comprehensive ESD clamping voltage performance while minimizing capacitance loading (0.60pF) to the transmission line. The solution is targeted at the emerging 2.5 Gigabit, 5 Gigabit and 10 Gigabit Ethernet lines used in data centers and telecommunications backplanes.

"With the need for increased bandwidth in data centers and telecommunications, high-performance ESD protection has become increasingly critical to safeguarding multi-gigabit Ethernet lines from ESD spikes to ensure round the clock operation," said Rick Hansen, Senior Director of Product Marketing in Semtech's Protection Products Group. "Our continued efforts to extend our RClamp platform have led to Semtech giving designers a much needed solution for protecting highly sensitive ports without sacrificing performance in signal integrity."

Key Features

- | Transient protection for high-speed data lines to: IEC 61000-4-2 (ESD) ±20kV (air), ±20kV (contact); IEC 61000-4-4 (EFT) 4kV (5/50ns); IEC 61000-4-5 (Lightning) 10A (8/20µs)
- | 5V working voltage protection
- | Protects two I/O lines
- | Ultra-low capacitance (< 0.6pF line-to-line)
- | Ultra-small flow-through package: 1.6mm x 1.0mm
- | Pb-Free and RoHS/WEEE compliant

Pricing and Availability

The RClamp0532T (order code: RClamp0532T.TCT) is available immediately in production quantities and is priced at \$0.33 each in 10,000-piece lots. Semtech offers comprehensive design assistance, including field- and factory-based support. Datasheets, 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 analog and mixed-signal semiconductors for high-end consumer, enterprise 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.

 Semtech and RClamp

The availability of a new product for its RClamp® platform

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All statements contained herein that are not statements of historical fact, including statements that use the words "targeted at," "emerging," "to extend," "designed to," or other similar words or expressions, that describe Semtech Corporation's or its management's future plans, objectives or goals are "forward-looking statements" and are made pursuant to the Safe-Harbor provisions of the Private Securities Litigation Reform Act of 1995, as amended. Such forward-looking statements involve known and unknown risks, uncertainties and other factors that could cause the actual results of Semtech Corporation to be materially different from the historical results and/or from any future results or outcomes expressed or implied by such forward-looking statements. Such factors are further addressed in Semtech Corporation's annual and quarterly reports, and in other documents or reports, filed with the Securities and Exchange Commission (www.sec.gov) including, without limitation, information under the captions "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Risk Factors". Semtech Corporation assumes no obligation to update any forward-looking statements in order to reflect events or circumstances that may arise after the date of this release, except as required by law.

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

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