



## SuperSpeed USB

### *Compliance Suite Helps Verify USB 2.0 & 3.0 Protocol; Increases Developer Confidence in Product Design and SuperSpeed Readiness*

<b>Media contact:</b>	Patrick Brightman - SGW	(973) 263-5475
<b>Editors' Technical contact:</b>	Mike Micheletti, Product Manager	(845) 425-2000
<b>Customer contact:</b>	LeCroy Customer Care Center	(800) 553-2769
<b>Website:</b>	<a href="http://www.lecroy.com">www.lecroy.com</a>	

## LeCroy Releases SuperSpeed USB Compliance Suite

**Intel Developer Forum, San Francisco, CA, - September 21, 2009** – LeCroy Corporation, a worldwide leader in serial data test solutions, has introduced a compliance test suite for USB 3.0 protocol that is intended to increase design confidence for early adopter's working on SuperSpeed USB products. Built on the Voyager protocol verification platform for USB, the Compliance Suite for USB 3.0 provides an automated, turnkey test application that allows device vendors to begin pre-testing their designs in advance of the industry's certification program.

"Having developed the world's first USB 3.0 xHCI host controller, NEC Electronics has been very active in promoting USB 3.0 protocol and expanding the USB 3.0 marketplace offerings.", said Masao Hirasawa, general manager of the SoC Systems Division at NEC Electronics Corporation. "We are pleased to see the availability of USB 3.0 compliance tools, like LeCroy's USB Compliance Suite being another important building block that will help accelerate the introduction and adoption of SuperSpeed technology. "

"While the USB Implementer's Forum readies the official certification program, there is a growing number of USB 3.0 developers that would benefit from availability of a turn-key compliance tester now", said, Michael Romm, director of product development at LeCroy's Protocol Solutions Group. "Using the Voyager USB Compliance Suite to pre-test a device for USB 3.0 compliance will ultimately help developers deliver products to market earlier and with higher quality."

The USB Compliance suite addresses both Command layer and Link Layer compliance verification. This includes Chapter 9 framework tests for both USB 2.0 and 3.0 devices. It also provides a comprehensive link layer test capability that helps verify whether a device properly implements link recovery and power management behavior. The USB Compliance Suite is integrated with LeCroy's Voyager exerciser which emulates USB host operations to establish and maintain link synchronization with USB target devices. The USB Compliance Suite software provides an easy to use console that steps through the test process and generates pass/fail reports identifying possible violations.

Introduced in August of 2008, the Voyager system is LeCroy's flagship USB test platform and is the defacto standard solution for validating SuperSpeed protocol. Based on LeCroy's 6<sup>th</sup> generation protocol analyzer / traffic generator, the Voyager is capable of emulating host or device traffic to perform functional testing and error injection. The addition of a turnkey compliance test capability highlights the extendable design of the of the LeCroy verification platform.

Last month LeCroy introduced specially priced USB 3.0 test bundles that combine select instruments to address all compliance tests currently defined in the Universal Serial Bus 3.0 specification. The USB 3.0 Test Suites are specially priced configurations and include all necessary systems, software, fixtures and cables for testing protocol, receiver and transmitter signal integrity. Developers will find a significant cost savings when purchasing the bundled Test Suites rather than individual instruments. The USB Compliance Suite is included in the LeCroy bundled Test Suites that also feature the Voyager Protocol test system. Engineers and technicians who would like to know more can contact LeCroy at 1-800-5LeCroy (1-800-553-2769) or visit [www.lecroy.com](http://www.lecroy.com).

### **About LeCroy**

LeCroy Corporation is a worldwide leader in serial data test solutions, creating advanced instruments that drive product innovation by quickly measuring, analyzing, and verifying complex electronic signals. The Company offers high-performance oscilloscopes, serial data analyzers, and global communications protocol test solutions used by design engineers in the computer and semiconductor, data storage device, automotive and industrial, and military and aerospace markets. LeCroy's 40-year heritage of technical innovation is the foundation for its recognized leadership in "WaveShape Analysis"—capturing, viewing, and measuring the high-speed signals that drive today's information and communications technologies. LeCroy is headquartered in Chestnut Ridge, New York. Company information is available at <http://www.lecroy.com>.

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