

LeCroy Expands Leadership in Automotive Test Solutions to Address Emerging Technologies



LeCroy Corporation, a worldwide leader in test and measurement instruments, today released three new test packages to address the growing automotive segment. Automobile and chip manufacturers, such as Broadcom Corporation and partners of the MOST Cooperation, turned to LeCroy for the test needs of their next generation systems. As a result, two new QualiPHY automated compliance test packages are available for MOST and the emerging BroadR-Reach standard. Partnering with LeCroy has enabled developers to offer lower-cost, lower-power, highly versatile, and robust systems for entertainment and infotainment applications. Further, LeCroy's popular Vehicle Bus Analyzer (VBA) test solution has been expanded to operate on the WaveRunner 6 Zi, WavePro 7 Zi, and WaveMaster 8 Zi oscilloscope platforms.

MOST 50 ePHY and 150 oPHY

The LeCroy QualiPHY (QPHY) package provides an automated test script that allows quick and reliable testing of both the MOST 50 ePHY and 150 oPHY signals. These standards have emerged in response to the rapidly increasing customer demand for devices connected to video displays and car infotainment systems. This demand has grown immensely over the past five years, creating more test challenges for automotive designers to ensure that the various video displays, GPS Navigation, Audio, DVD, CD, and Satellite radio, Bluetooth connectivity, and voice microphone systems all interact on the same network without any interruption. MOST (Media Oriented Systems Transport) is a widely used standard for multimedia and infotainment networking in the automotive market. For more information regarding MOST, visit <http://www.mostcooperation.com> [1].

Broadcoms Newly Developed BroadR-Reach PHY.

BroadR-Reach technology was recently developed by Broadcom Corporation to provide the industrys lowest cost cabling solution for 100 Mbps Ethernet connectivity over unshielded single twisted pair wiring. Engineered to meet the stringent in-vehicle requirements of the automotive industry, BroadR-Reach is optimized for multiple in-car applications and supports a variety of connectivity options for external devices. LeCroy is the only company offering a complete physical layer BroadR-Reach test solution. It includes QPHY-BroadR-Reach, an automated QualiPHY compliance test package, as well as the required test fixtures and cables. For more information on BroadR-Reach, visit www.Broadcom.com [2].

Vehicle Bus Analyzer (VBA) Test Solution

The ubiquitous CAN, LIN, and FlexRay automotive system protocols have each provided important roles in every automobile in use today. LeCroys VBA test bundle combines CAN, LIN, and FlexRay trigger, decoding and analysis solutions in one option, with the addition of physical layer testing for FlexRay. The VBA solution provides the unique capability to decode CAN protocol signals into Symbolic (application layer) text using the vehicle .dbc database file, allowing users to view the full range of CAN protocol stack information, and the ability to view additional in-circuit electrical signals that influence the CAN bus. The additional capability to extract data from serial protocol message streams and graphically plot that data on the oscilloscope display makes the VBA a required option for any automotive design engineer. This full feature set is now available on the WaveRunner 6 Zi, WavePro 7 Zi, and WaveMaster 8 Zi oscilloscope platforms.

LeCroy Corporation information is available at <http://www.lecroy.com> [3].

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Links:

[1] <http://www.mostcooperation.com>

[2] <http://www.Broadcom.com>

[3] <http://www.lecroy.com>