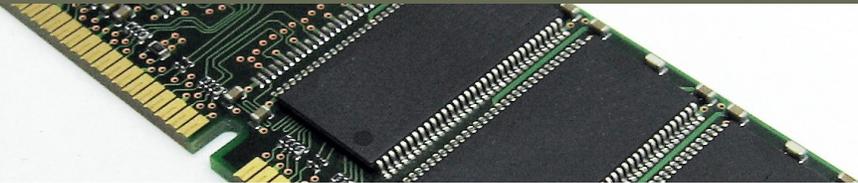


Corelis JTAG Tools Provide Real Benefits for Ixia in Testing Double-Data Rate SDRAM Through Xilinx Virtex-E FPGAs



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Located in Calabasas, California, Ixia is a leading developer of sophisticated optical and electrical network traffic performance analysis solutions. Mr. Xinchun Wang, Hardware Engineer at Ixia, is responsible for JTAG testing and verification for one of Ixia's new interface load modules.

According to Xinchun Wang, in order to achieve increased net coverage through JTAG testing for Ixia's new traffic generation and analysis tool, it is important to first verify that all the FPGA's external Double Data Rate (DDR) SDRAM connections are properly placed and functioning correctly to aide in further design troubleshooting.

Corelis proposed a ScanPlus solution tailored to meet Ixia's requirements. Corelis provided a PCI 1149.1 JTAG controller with a pre-verified DDR SDRAM testing software package with some minor updates to generate memory-testing vectors through JTAG compatible Xilinx FPGAs. The generated vectors successfully tested the interconnects between the FPGAs and the connections to the DDR SDRAM; and furthermore, verified the general functionality of the memory device according to its own published specifications.

Wang puts it this way, "The Corelis ScanPlus boundary-scan interconnect tester is also a highly effective memory test suite that allowed us to reduce prototype debug time and improve our time-to-market. The Corelis technical support team was extremely helpful and committed to helping IXIA meet its project dead-line."

About Corelis

Corelis, Inc., a subsidiary of Electronic Warfare Associates, Inc., offers bus analysis tools, embedded test tools, and the industry's broadest line of JTAG/boundary-scan software and hardware products combining exceptional ease-of-use with advanced technical innovation and unmatched customer service. Corelis' development and test tools are used by companies such as Agilent, Dell, IBM, Intel, Microsoft, Lockheed Martin, Rockwell Collins, Hewlett-Packard, Motorola, Qualcomm, Nokia, Panasonic, TI, Ford, Broadcom, Ericsson, and many others. Corelis products are found globally in every industry developing or manufacturing electronic products.