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Lead free wave solder process

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The Lead-Free Wave Solder Process and Its Effect on Laminates white paper discusses the pressure on manufacturers of electronics products to continually reduce the cost of products has continued despite the challenges of higher cost lead-free production...

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YESTech's X-Series offers PCB



manufacturers advanced 3-D inspection capability for fast and complete inspection of BGAs and other hidden solder joints. The X3 selectively uses 2-D or 3-D technology to inspect specific regions on a board providing critical advantages & balancing inspection and throughput. Learn more...
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May 7, 2009

ASSET ScanWorks platform is first to support for Intel Xeon processor 5500

Nehalem microarchitecture with QuickPath Interconnect can be validated and tested with ScanWorks' Intel IBIST and processor-controlled test

Richardson, TX – ASSET® InterTech's (<http://www.asset-intertech.com/>) ScanWorks® platform for embedded instrumentation is the first in the industry to support both signal integrity design validation and circuit board test for the new Intel® Xeon® processor 5500 series, codenamed Nehalem, as well as the 5520 chipset. Xeon 5500 series processors will be deployed in systems using Intel's QuickPath Interconnect (QPI) platform architecture.

To validate Intel Xeon processor 5500 series-based designs, the ScanWorks platform employs Intel's Interconnect Built In Self Test (IBIST) embedded instrumentation technology, which is being placed in that company's next-generation processors and chipsets. The embedded IBIST instrumentation is employed by ScanWorks to perform margining and bit error rate testing (BERT) on high-speed buses like QPI and PCIe. The same ScanWorks platform with its processor-controlled test capabilities can also test Nehalem-based circuit boards. ScanWorks is able to take control of an Intel Xeon processor 5500 series CPU and assert structural and functional tests and diagnostics on other devices and buses on the circuit board, including the 5520 chipset. ScanWorks' validation and test capabilities improve the quality of the system and accelerate a new product's time-to-market.

"The non-intrusive nature of ScanWorks and the fact that it is much less expensive because it's software-driven are big advantages over older technologies that require physical access and involve large capital investments for hardware systems, fixtures and other costly accessories," said Tim Caffee, ASSET's vice president of I/O instrumentation. "The new QPI-based platforms which will incorporate the Intel Xeon processor 5500 series of CPUs are ultra-fast and require new test strategies. These factors and others are changing the way the industry does validation and test, and ScanWorks is leading the way."

Pricing and Availability

Pricing for ScanWorks for the Intel Xeon processor 5500 series begins at \$13,350 and is available today.

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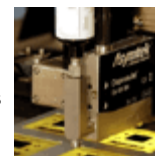
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DL Technology

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grade Micro-Drill is a true workhorse. Remove coatings, cut circuits, drill holes, all with super precision. Just like a dental drill, the hand piece is lightweight and easy to maneuver. Tech's love them.
CircuitMedic



ScanWorks® - The Embedded Instrumentation Platform

Asymtek

ASSET, through its ScanWorks platform, is applying more than two decades of experience as the leading supplier of boundary-scan (JTAG) structural test tools to embedded instrumentation tools. In recent years, ASSET has significantly expanded ScanWorks beyond its boundary-scan tools with the inclusion of embedded instrumentation capabilities such as processor-controlled test, design validation and signal integrity analysis utilizing embedded Intel® IBIST (Interconnect Built In Self Test) technology and others.

With its advanced automation, data acquisition and data analysis features, ScanWorks will continue as a leading platform for structural boundary-scan test. It has become the boundary-scan system of choice for practically all major communication and defense/avionics suppliers, including Cisco, Ericsson, Motorola, Alcatel-Lucent, Tellabs, Huawei, Raytheon, Rockwell, Lockheed Martin, BAE, ITT, Northrop Grumman, GE Aviation and others. In addition, ScanWorks' adoption by companies like Microsoft for its Xbox 360 video game console and Delphi for its automotive electronics demonstrates that ScanWorks will continue its leadership as boundary scan proliferates in computers, set-top boxes, consumer electronics, industrial control, automotive and other industries.

Contact:
ASSET InterTech

<http://www.asset-intertech.com/>

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