IT3/IT5 High-Speed Elevated Mezzanine Connector Systems

Hirose Electric announces an agreement with Samtec Inc. to license its IT3/IT5 High-Speed Elevated Mezzanine connector systems.

The IT5 High-Speed Elevated Mezzanine connector system is structured with a helix contact interposer and a new, improved grounding BGA receptacle. It handles 25+ Gbps signal lines. Embedded DC-blocking capacitors on the interposer will also be available for better board routing efficiency and channel performance. While designed specifically for the telecom/datacenter market, it is an ideal solution for any elevated, high-density array where impedance control is very important. The IT5 can be used for both ultra high-speed differential signaling with its FEXT cancellation technology, as well as low-speed single-ended signaling. The IT3 is suitable for power delivery, single-ended signaling, and differential signaling up to 6.25 Gbps. Both IT3 and IT5 interposer wafers can be selectively loaded into a common hybrid interposer.

The IT5 interconnect set is the tallest three-piece mezzanine array system in the connector industry. The robust system design also includes a polarizing key on each board mount receptacle that assures proper orientation when mating. The unique ‘mounting’ receptacle locks the interposer in position on board one, and the ‘detachable’ receptacle allows for easy mating/un-mating on board two.

Hirose Electric and Samtec, Inc. are excited to proceed with this second source

opportunity. “The IT3 and IT5 mezzanine connector systems are excellent product lines for datacom, telecom, and medical industries that require official second sources to maintain business continuity. The new addition to Samtec’s broad line of array systems provides a quality solution for applications with requirements for high stack heights and tightly controlled signals. The IT3 and IT5 connector systems deliver this solution with the highest pin density found in the industry. This agreement provides two very reputable and well-respected purchase sources for Hirose’s and Samtec’s customer base. We are very excited to work with Samtec on the IT3/IT5 systems and look forward to further cooperation in the future,” said Sid Tono, business planning and marketing manager at Hirose Electric.

Samtec
www.samtec.com [1]

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