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**Samtec** **Enhances Direct Connect**™ **Cable Systems With New DCH Series**

High-speed, press-fit termination simplifies direct connection to PCBs

**New Albany, IN:** Samtec, a privately held $662MM global manufacturer of a broad line of electronic interconnect solutions, proudly announces the release of the Direct Connect™ Horizontal (DCH) High-Speed Press-Fit Twinax Cable Assembly. This new solution expands Samtec’s Direct Connect™ Cable Systems targeted for cost-effective, high-performance flyover or co-planar, right angle and parallel board-to-board applications.

Samtec DCH series features a high-retention, press-fit termination offering a direct connection to the PCB. The connectorless design eliminates the need for traditional board-level connectors and transition cards leading to simplified BOMS and reduced system costs.

The DCH series combines Samtec 30AWG ultra-low skew EyeSpeed® twinax cable with stitched ground pins to offer improved signal integrity and optimized differential pair signal routing. Transmit and receive signals are easily isolated in either four-pair or eight-pair options. The DCH Flyover system has bandwidth well beyond 28 Gbps NRZ/ 56 Gbps PAM4, supporting IEEE CAUI-4, OIF VSR, PCIe® Gen3 and Gen4 applications, among others.

The 2.00mm pitch assembly and ultra-low 3 mm profile are ideally suited for tight quarters. The combination of varying cable lengths amd multiple END 2 options provide design flexblty for new and existing board designs.

“The new DCH series provides a unique termination for Samtec high-speed, flyover cable assemblies,” said Keith Guetig, Director of Cable Product Development at Samtec, Inc. “Our growing flyover cable assembly portfolio simplifies PCB design and limits signal degradation in high data rate applications.”

For more information, please visit the [Direct Connect™ Cable Systems](https://www.samtec.com/cables/high-speed/assemblies/dcc) family page, the [DCH series product page](https://www.samtec.com/products/dch) or download the [Twinax Flyover Application Design Guide](http://suddendocs.samtec.com/literature/samtec-twinax-flyover-design-guide.pdf).

**About Samtec, Inc.**

Founded in 1976, Samtec is a privately held, $662MM global manufacturer of a broad line of electronic interconnect solutions, including IC-to-Board and IC Packaging, High-Speed Board-to-Board, High-Speed Cables, Mid-Board and Panel Optics, Flexible Stacking, and Micro/Rugged components and cables. Samtec Technology Centers are dedicated to developing and advancing technologies, strategies and products to optimize both the performance and cost of a system from the bare die to an interface 100 meters away, and all interconnect points in between. With 33 locations in 18 different countries, Samtec’s global presence enables its unmatched customer service. For more information, please visit <http://www.samtec.com>.

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