



SERVERS

Samtec's interconnects for current and next generation server and router designs provide many options to efficiently route digital, analog, and power signals through the system from the front panel or the backplane using high-performance connectors and cables. Our Sudden Service® solutions and industry-leading signal integrity design expertise enable full system optimization, supported by evaluation boards and online tools for faster to market solutions. For more information, visit samtec.com/servers or contact ASG@samtec.com.

Product Features & Benefits

- Industry leading cable performance
- Signal integrity-optimized solutions
- Extended signal reach
- Small form factors / ultra-high densities
- Power integrity optimization

Design & Development Support

- Free online tools & resources
- Industry leading component and system-level engineering expertise, including thermal design management
- Samtec works with system architects to optimize the architecture for cable management, keeping signal integrity and thermals in mind



SIGNAL INTEGRITY SUPPORT

Samtec is the industry leader in Signal Integrity. Our mission is to help you attain full system optimization - from Silicon-to-Silicon™.

- Full channel analysis
- System optimization recommendations
- PDN simulations
- Advanced product design support

Visit samtec.com/sig or contact SIG@samtec.com.

EVALUATION & DEVELOPMENT KITS

Samtec-designed kits simplify the interconnect design process and reduce time to market.

Kits are tested and verified by Samtec's signal integrity experts before customer delivery.

Visit samtec.com/kits or contact KitsAndBoards@samtec.com.

ENGINEERED CUSTOMS & EXPRESS MODIFICATIONS

Samtec offers custom and modified products with low or no NRE charges, quick turn samples, short lead times, and low or no MOQs.

Choose any high-speed connector, breakout configuration and high-speed precision cable to create a solution for any specific application.

Contact HDR@samtec.com.

ONLINE TOOLS

Solutionator®: Quickly build mated connector sets or design full cable assemblies



samtec.com/cablebuilder



samtec.com/hsb2b-solutionator



samtec.com/discrete-cablebuilder

Picture Search: Browse through Samtec's most popular products to find the ideal solution

samtec.com/picturesearch

Downloadable Resources: Immediate and unlimited access to select the right solution - 3D models, prints and footprints, test reports, white papers and more

samtec.com

INTERCONNECT SOLUTIONS

Flyover® Cable Systems

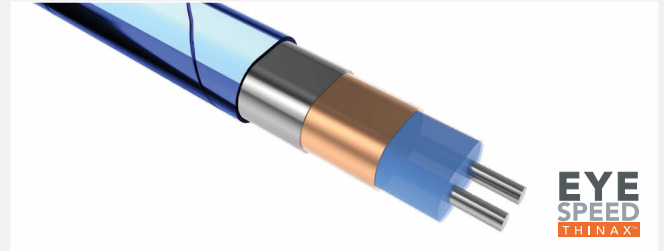
Extended signal reach and density to achieve next gen speeds by routing signals via ultra low skew twinax vs. lossy PCB for panel, mid-board and backplane applications.



samtec.com/flyover

Eye Speed® Cable Technology

Thinax™ 34 AWG ultra low skew twinax cable features a 40% smaller cross-sectional area versus Eye Speed® Twinax for reduced overall weight and maximized airflow.



samtec.com/eyespeed

Flyover® SFP/QSFP/OSFP

Direct attach assemblies route high-speed signals via Eye Speed® ultra low skew twinax cable for improved SI.



samtec.com/qsfp-flyover

NovaRay® I/O Panel Mount

Highest aggregate data rate to 4,096 Gbps PAM4 in a bulkhead, or threaded 38999 connection.



samtec.com/novaray-io

High-Density Backplane

Traditional backplane, direct mate orthogonal, coplanar, and Flyover® cable systems.



samtec.com/backplane

NovaRay® High-Density System

Industry leading 4.0 Tbps aggregate data rate density with very low crosstalk and very tight impedance control.



samtec.com/novaray

AcceleRate® Slim System

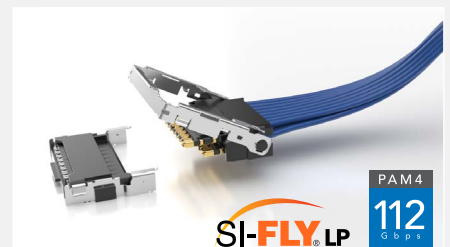
Industry's slimmest cable assembly (7.6 mm) with ultra low skew twinax cable for 64 Gbps PAM4 performance.



samtec.com/accelerate-cable

Si-Fly® LP Low Profile System

Features an extremely low 4 mm profile for placement adjacent to the IC package, and under cooling hardware.



samtec.com/sifly-lp

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Visit samtec.com to view our full line of interconnect solutions.

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