



SURGICAL

Samtec offers a variety of rugged and high-performance solutions ideal for use in surgical systems. Reliably handling high data-rate transmissions, Samtec interconnects ensure the rapid transfer of data for real-time imaging and control. Featuring high reliability and the capability to withstand medical environments, Samtec's standard and custom interconnects support surgical equipment designs such as lighting, monitors, lasers, and robots. For more information, visit [Samtec.com/surgical](https://www.samtec.com/surgical) or email SIG@samtec.com.

Product Features & Benefits

- Small form factors/ultra-high densities
- High power interfaces
- Copper and optical solutions
- High frequency/low latency systems
- Signal integrity-optimized solutions

Design & Development Support

- RF technical support for launch optimization, simulation and test & measurement
- Extensive testing initiatives that surpass typical industry standards and specifications
- Industry-leading component and system-level engineering expertise



RF DESIGN, DEVELOPMENT & TECHNICAL SUPPORT

Samtec offers high-quality RF products from design and fabrication to technical support.

- Launch optimization & design services
- Simulation
- Prototyping
- Physical test and measurement verification

Contact Samtec's RF Group at RFGroup@samtec.com for assistance.

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](https://www.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](https://www.samtec.com/kits) or contact KitsAndBoards@samtec.com.

ONLINE TOOLS

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



[samtec.com/rf-cablebuilder](https://www.samtec.com/rf-cablebuilder)



[samtec.com/discrete-wire-cablebuilder](https://www.samtec.com/discrete-wire-cablebuilder)



[samtec.com/hsb2b-solutionator](https://www.samtec.com/hsb2b-solutionator)

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

[samtec.com/picturesearch](https://www.samtec.com/picturesearch)

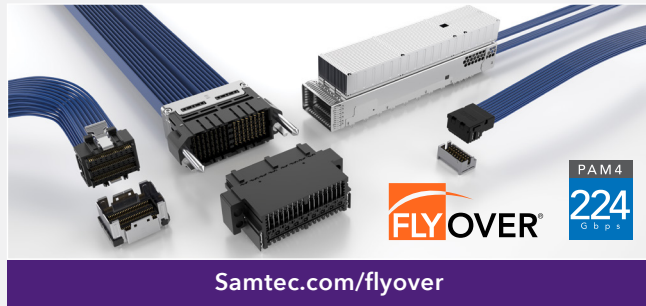
Downloadable Resources: Immediate and unlimited access to select the right solution - 3D models, prints and footprints, test reports, white papers and more

[samtec.com](https://www.samtec.com)

INTERCONNECT SOLUTIONS

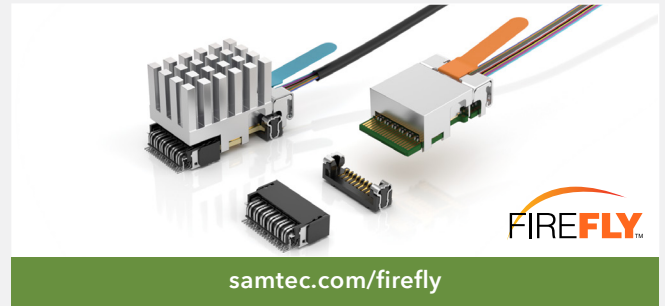
Flyover® Cable Systems

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



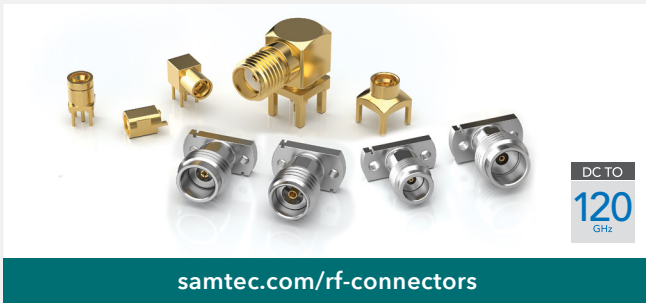
Mid-Board Optical Transceivers

Future-proof (interchangeability of copper and optical in the same footprint) and rad-hard solutions with a small form factor for reliable signal integrity at extended distances.



RF Compression Mount Connectors

1.00, 1.35, 1.85, 2.40 and 2.92 mm vertical and edge launch solderless compression Precision RF interconnects to 120 GHz, with alignment features for peak performance.



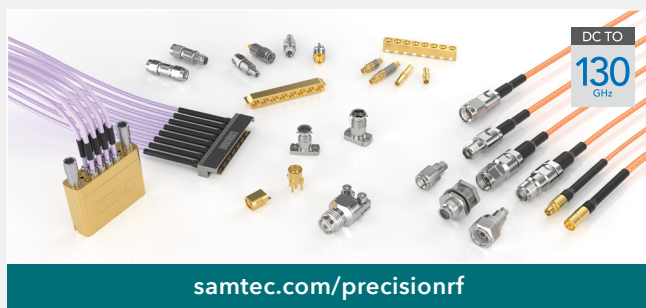
Ultra Micro Power

mPOWER offers 40% space savings vs. traditional power interconnects with up to 10 power blades for board-to-board, cable-to-board and cable-to-cable applications.



Precision RF

Cable assemblies, cable connectors, board connectors and adaptors for 18 to 130 GHz high frequency, microwave and mmWave applications with full system support.



High-Speed Board-to-Board

High-performance mezzanine and backplane systems with contact durability, optimized signal integrity, integral ground planes, high-density pin counts and ultra fine pitches.



Visit [samtec.com](https://www.samtec.com) to view our full line of interconnect solutions.