



BROADCAST VIDEO

Samtec interconnects, including a range of 12G-SDI optimized solutions, support increased functionality for broadcast video systems requiring scalability, greater throughput, low latency, and low power consumption. 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/broadcastvideo or contact ASG@samtec.com.

Product Features & Benefits

- High-frequency / low latency systems
- Industry leading cable performance
- Small form factors / ultra-high densities
- Signal integrity-optimized solutions
- Extended signal reach

Design & Development Support

- Free online tools & resources
- RF technical support for launch optimization, simulation and test & measurement
- Industry leading component and system-level engineering expertise
- Express modification and engineered custom products



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 or contact SIG@samtec.com.

RUGGEDIZING SOLUTIONS

Most Samtec interconnects are available with standard or optional rugged features to ensure quality and durability in any application.

- Latching/locks
- Shielding
- Screw downs
- Guidance/keying
- Strain relief
- And many more

ONLINE TOOLS

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



samtec.com/rf-cablebuilder



samtec.com/cablebuilder



samtec.com/hsb2b-solutionator

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

RF Board Mount Connectors

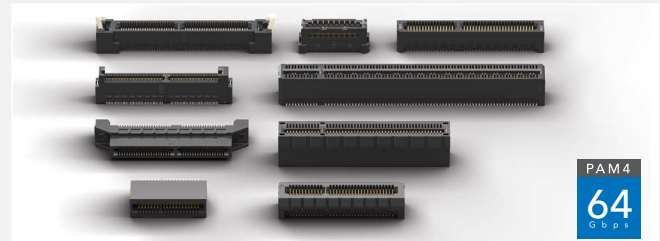
Precision RF, 50 Ω and 75 Ω connectors and adaptors are available for cable-to-board, board-to-board, ganged and blind mate applications with performance to 110 GHz.



samtec.com/rf-connectors

High-Speed Edge Card Sockets

Full line of edge card connectivity in a choice of pitch, pin count, orientation and designs including power/signal, press-fit tails, and rugged tucked beam technology.



samtec.com/edgecard

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

Micro Rugged Backplane

NovaRay® micro rugged backplane system combines ultra-high density, up to 128 differential pairs, with an offset footprint for optimal signal integrity performance.



samtec.com/novaray-backplane

AcceleRate® Slim Cable System

Industry's slimmest cable assembly (7.6 mm) features a high-density 2-row design with direct attach technology and ultra low skew twinax cable for 64 Gbps PAM4 performance.



samtec.com/accelerate-cable

High-Density, Slim Body Arrays

AcceleRate® HD ultra dense arrays feature a slim 5 mm width and up to 400 I/Os with an open-pin-field design for maximum grounding and routing flexibility.



samtec.com/acceleratehd

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

© JUNE 2025, SAMTEC INC.