



SPACE

Samtec's Sudden Service® solutions in high-speed board-to-board, RF, cable, and rad-hard rugged optics are well suited for space applications such as LEO satellites, SmallSats, CubeSats and other space exploration equipment. Samtec's **Severe Environment Testing** products are approved for NASA Class D missions that require high-reliability, quick-turn and cost-effective solutions. Contact MapSales@samtec.com to learn about **Samtec's Upscreen Testing** (meets or exceeds MIL-DTL-55302). For more information visit samtec.com/space.

Product Features & Benefits

- Industry leading cable performance
- Signal integrity-optimized solutions
- Extended signal reach
- Small form factors / ultra-high densities
- High-reliability / rugged contact systems

Design & Development Support

- Free online tools & resources: 3D Models, Prints, Picture Search & Solutionator® product builders
- Industry-leading component and system-level engineering expertise, including thermal design management
- Samtec cable assemblies also undergo cable flex and/or dynamic testing to prove consistent electrical stability in demanding applications



SEVERE ENVIRONMENT & UPSCREEN TESTING

Products are tested beyond typical standards to ensure reliability in harsh environments.

Upscreen testing provides assurance of board-to-board interconnects for mission critical applications (MIL-DTL-55302 & EIA-364). Contact MAP@samtec.com

Visit samtec.com/set or contact SET@samtec.com.

OPTICAL SOLUTIONS SUPPORT

Samtec is the industry leading provider of mid-board optical transceiver solutions with expertise to help you achieve reliable signal integrity over extended distances:

- Design Tools
- Optimization & Support
- Simulation & Analysis

Visit samtec.com/sog or contact Optics@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.

ONLINE TOOLS

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

Solutionator DESIGN IN A MINUTE **HS CABLE**

samtec.com/cablebuilder

Solutionator DESIGN IN A MINUTE **ACTIVE OPTICS**

samtec.com/optics-solutionator

Solutionator DESIGN IN A MINUTE **DISCRETE WIRE**

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

Ultra Rugged I/O Systems

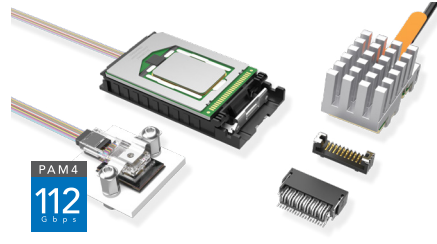
Ultra rugged cable systems with EMI shielding and Hyper Claw™ hyperboloid-type contacts for reliability and high mating cycles.



samtec.com/ursaio

Rugged Optical Transceivers

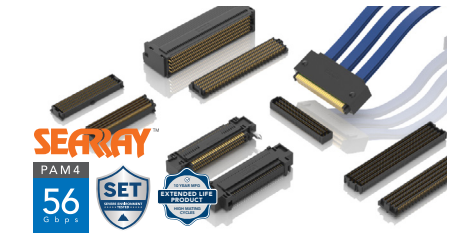
Future-proof and rad-hard solutions for reliable signal integrity at extended distances and temperatures in extreme and harsh environments.



samtec.com/optics

High-Density Arrays

High-speed, high-density arrays with up to 560 I/Os in an open-pin-field design for maximum grounding and routing flexibility.



samtec.com/searay

NovaRay® I/O Panel Mount

Highest aggregate data rate to 4,096 Gbps PAM4 in a bulkhead, or threaded 38999 connection with salt fog resistance to 48 hours.



samtec.com/novaray-io

NovaRay® High-Density System

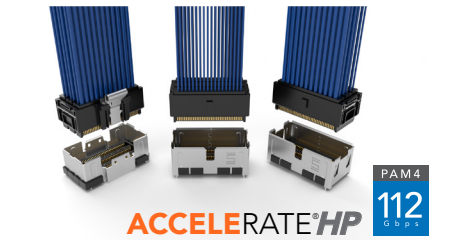
Flyover® cable system with industry leading 4.0 Tbps aggregate data rate and fully shielded differential pairs.



samtec.com/novaray

AcceleRate® HP Cable System

High-performance cable-to-board system with differential pair, single-ended or mixed signaling configurations.



samtec.com/acceleratehp-cable

High-Density Backplane

Traditional backplane, direct mate orthogonal, coplanar, and Flyover® cable systems with two reliable points of contact.



samtec.com/backplane

Ganged, Multi-Port RF Solutions

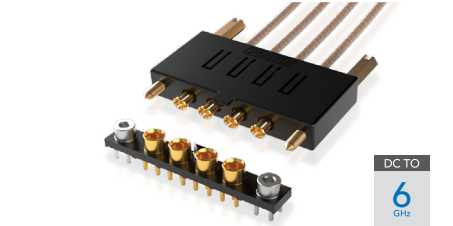
Ganged, multi-port SMPM blocks and cable assemblies in a miniature, high-density design with mode free operation up to 65 GHz for mmWave applications.



samtec.com/magnumrf

Ganged, Micro-Mini System

50 Ω ganged RF jacks, plugs and cables to 6 GHz on a 5.00 mm pitch with micro-miniature, rugged contacts and optional threaded screws.



samtec.com/micro-ganged

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

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