



# 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](mailto:MapSales@samtec.com) to learn about **Samtec's Upscreen Testing**. For more information visit [samtec.com/space](http://samtec.com/space).

## Product Features & Benefits

- Industry-leading cable performance
- Signal integrity-optimized solutions
- Low outgassing resins
- Thicker gold and Tin/Lead plating capabilities
- 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 TESTING

Qualified products are tested to ensure quality and durability in any application, including extreme/harsh environments.

SET certified products are ideal for upscreen testing.

Visit [samtec.com/set](http://samtec.com/set) or contact [SET@samtec.com](mailto:SET@samtec.com).

## UPSCREEN TESTING

Provides assurance of board-to-board interconnects for mission critical applications. Samtec's program offers two levels of rigorous testing: Lot Screen Testing and Qualification Conformance Inspection (QCI).

Visit [samtec.com/upscreen](http://samtec.com/upscreen) or contact [MAP@samtec.com](mailto:MAP@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](http://samtec.com/kits) or contact [KitsandBoards@samtec.com](mailto:KitsandBoards@samtec.com).

## ONLINE TOOLS

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



[samtec.com/cablebuilder](http://samtec.com/cablebuilder)



[samtec.com/optics-solutionator](http://samtec.com/optics-solutionator)



[samtec.com/discrete-cablebuilder](http://samtec.com/discrete-cablebuilder)

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

[samtec.com/picturesearch](http://samtec.com/picturesearch)

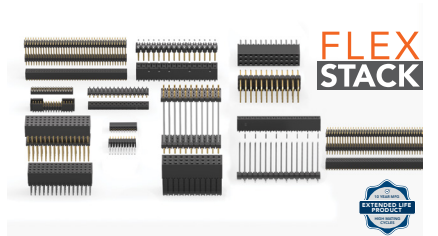
**Downloadable Resources:** Immediate and unlimited access to select the right solution: 3D models, prints and footprints, test reports, white papers and more

[samtec.com](http://samtec.com)

# INTERCONNECT SOLUTIONS

## Flexible Stacking Systems

Samtec offers the largest variety of board stacking interconnects in a variety of pitch, density, stack height, orientation, and contact system options.



[samtec.com/flexiblestacking](http://samtec.com/flexiblestacking)

## Ultra Micro Power

mPOWER® offers 40% space savings vs. traditional power interconnects for board-to-board, cable-to-board and cable-to-cable applications.



[samtec.com/power](http://samtec.com/power)

## 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](http://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](http://samtec.com/novaray-io)

## NovaRay® High-Density System

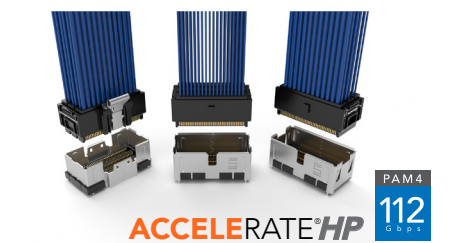
Flyover® cable system with industry leading 4.0 Tbps aggregate data rate and fully-shielded differential pairs.



[samtec.com/novaray](http://samtec.com/novaray)

## AcceleRate® HP Cable System

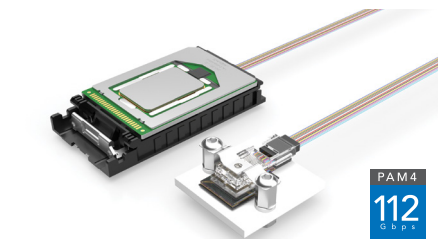
High-performance cable-to-board system with differential pair, single-ended or mixed signaling configurations.



[samtec.com/acceleratehp-cable](http://samtec.com/acceleratehp-cable)

## 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](http://samtec.com/optics)

## Precision RF Solutions

Phase and amplitude stable high-performance microwave cable assemblies to 130 GHz in addition to ganged multi-port RF solutions to 65 GHz.



[samtec.com/precisionrf](http://samtec.com/precisionrf)

## Glass Core Technology

Advanced glass core solutions - including SIW, MMIC launches, and RF components - address next gen connectivity and SWaP challenges.



[samtec.com/gct](http://samtec.com/gct)

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

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