



RADAR

Samtec Sudden Service® solutions enable speed and reliability in harsh radar environments, such as cockpit communications, missile defense, jamming equipment, 5G MIMO antennas, early warning radar systems, and land-based/inflight/naval radars. Samtec's on-going **Extended Life Product™**, **Severe Environment Testing**, and **Upscreen Testing** initiatives help ensure reliability for critical applications. For more information visit samtec.com/radar or email Mil-AeroGroup@samtec.com.

Product Features & Benefits

- High frequency interfaces/low latency systems
- Extended signal reach
- High-reliability / rugged contact systems
- Small form factors / ultra-high densities
- High power interfaces
- Signal integrity-optimized solutions

Design & Development Support

- Free online tools & resources: 3D Models, Prints, Picture Search & Solutionator® product builders
- Industry-leading component and system-level engineering expertise
- Extensive testing initiatives that surpass typical industry standards and specifications



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.

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 & measurement verification

Visit samtec.com/rf or contact RFGroup@samtec.com.

INDUSTRY STANDARDS SUPPORT

Samtec offers solutions for expanding signal transmission possibilities at data rates up to 224 Gbps PAM4, including:

- VITA™
- CXL®
- PCI Express®

Visit samtec.com/standards or contact Standards@samtec.com.

ONLINE TOOLS

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



samtec.com/rf-cablebuilder



samtec.com/optics-solutionator



samtec.com/hsb2b-solutionator

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

samtec.com/picturesearch

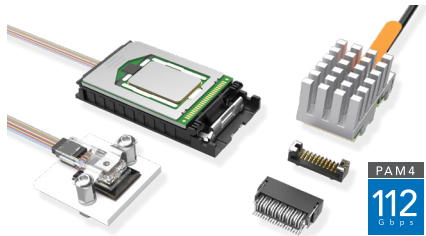
Downloadable Resources: Immediate and unlimited access to select the right solution: 3D models, prints and footprints, test reports, white papers and more

samtec.com

INTERCONNECT SOLUTIONS

Rugged Optical Transceivers

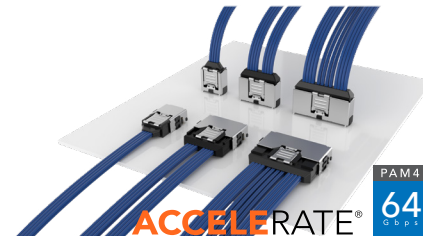
Future-proof and rad-hard solutions for reliable signal integrity at extended distances and temperatures in extreme and harsh environments.



samtec.com/optics

AcceleRate® Slim Systems

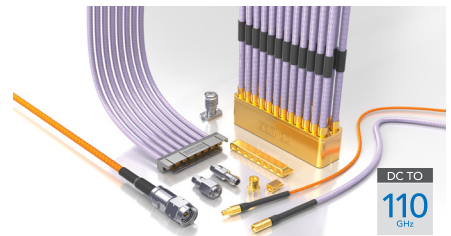
Slimmest assembly in the industry – 7.6 mm – with up to 24 pairs and contacts soldered directly to the cable for improved signal integrity.



samtec.com/accelerate-cable

Precision RF

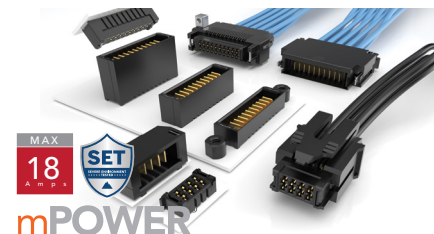
Cable assemblies, cable & board connectors and adaptors for 18 to 110 GHz high frequency, microwave and mmWave applications.



samtec.com/precisionrf

Ultra Micro Power

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



samtec.com/mpower

High-Reliability Tiger Eye™

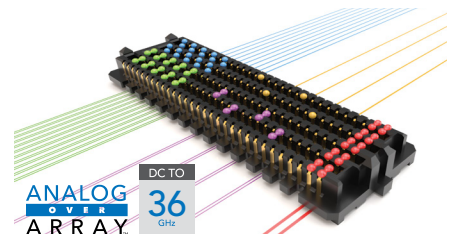
Rated to 1,000+ cycles with a choice of pitch, termination, rugged features, and mating discrete wire or IDC cable systems.



samtec.com/tigereye

Analog Over Array™

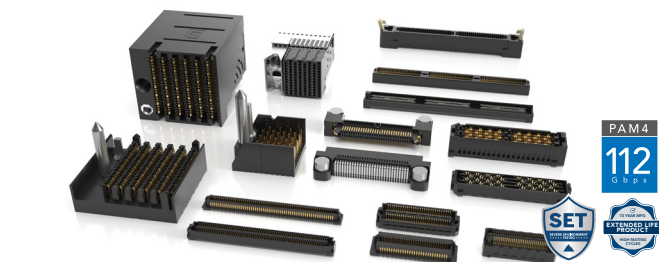
High-density, high frequency open-pin-field solutions supporting digital and analog differential or single-ended signaling simultaneously.



samtec.com/analog-over-array

High-Speed Board-to-Board

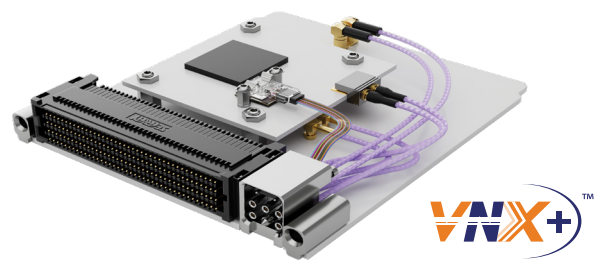
High-performance mezzanine and backplane systems with contact durability, optimized signal integrity, integral ground planes, high-density pin counts and ultra-fine pitches.



samtec.com/hsb2b

VITA™ 90 VNX+™ Standard Solutions

A Small Form Factor (SFF) rugged module standard using SEARAY™ high-density arrays, and RF backplane modules to 110 GHz with rugged optics for mil/aero applications.



samtec.com/vnx-plus

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

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