



WEAPONS/MUNITIONS

Weapons and munitions require agility, precision and reliability to ensure a mission's success. Samtec's Sudden Service® solutions have been tested to ensure quality and durability when quick responses are critical. Key test standards found in MIL shock and vibrate profile (MIL-STD-810G) and 70,000 ft qualification testing are included in Samtec's **Severe Environment Testing** program, resulting in a range of products optimized for size, weight and power (SWaP) that support high-flying applications. For more information visit samtec.com/weapons or email Mil-AeroGroup@samtec.com.

Product Features & Benefits

- Small form factors / ultra-high densities
- High-reliability / rugged contact systems
- Industry standard solutions
- High vibration and high mating cycle systems
- High power interfaces

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.

EXTENDED LIFE PRODUCT™

E.L.P.™ products are tested to rigorous standards that evaluate contact resistance in simulated storage and field conditions, including:

- 10-Year Mixed Flowing Gas (MFG)
- High Mating Cycles (250 to 2,500)
- Certain plating and/or contact options will apply

Visit samtec.com/elp or contact ASG@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

Solutionator DISCRETE WIRE
DESIGN IN A MINUTE™

samtec.com/discrete-cablebuilder

Solutionator HS BOARD-TO-BOARD
GET A MATED SET IN SECONDS™

samtec.com/hsb2b-solutionator

Solutionator ACTIVE OPTICS
DESIGN IN A MINUTE™

samtec.com/optics-solutionator

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

samtec.com/picturesearch

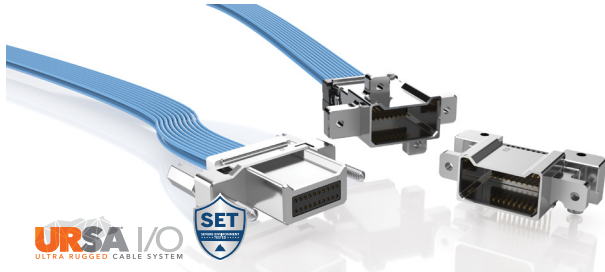
Downloadable Resources: Immediate and unlimited access to select the right solution: 3D models, prints and footprints, test reports, white papers and more

samtec.com

INTERCONNECT SOLUTIONS

Ultra Rugged I/O Systems

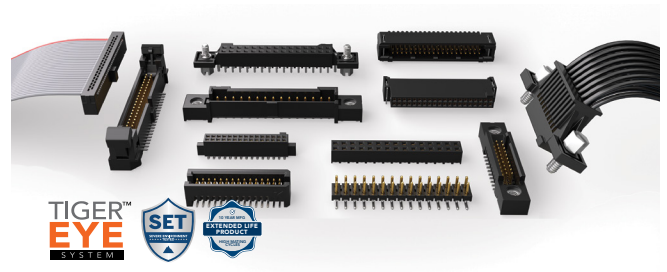
Ultra rugged cable systems with EMI shielding and Hyper Claw™ hyperboloid-type contacts for reliability and high mating cycles in harsh environments.



samtec.com/ursaio

High-Reliability Tiger Eye™

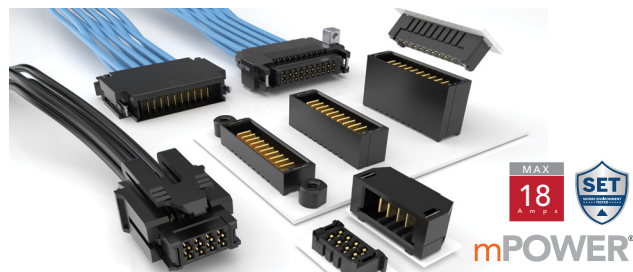
Rated to 1,000+ cycles with a choice of pitch, termination, rugged features, and mating discrete wire or IDC cable systems.



samtec.com/tigereye

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.



samtec.com/mpower

Rugged/Power Solutions

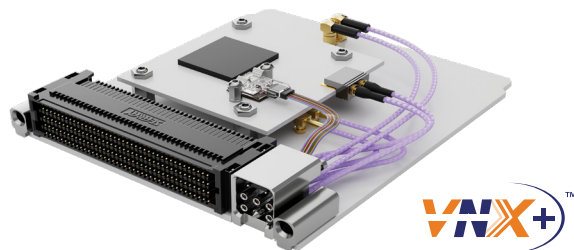
Ultra rugged systems, flexible power solutions, wire to board and rugged contact systems for high cycle, high power, high-speed, and harsh environment applications.



samtec.com/rugged-power

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

VITA™ Standards Solutions

High-speed and high-density solutions in small form factor designs for embedded applications including safety, defense, communications and transportation.



samtec.com/vita

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

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