EMBEDDED VISION

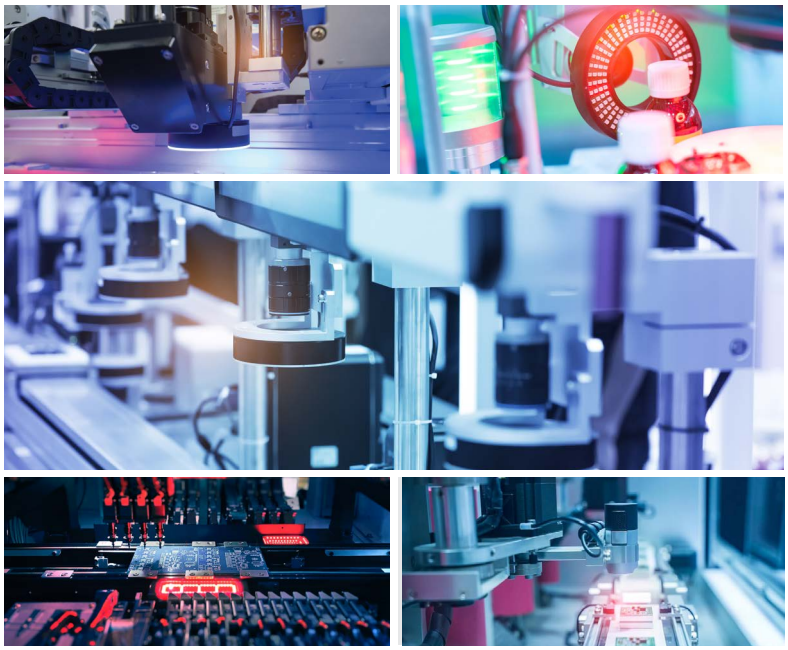
Samtec delivers Sudden Service® solutions that meet the sensor, imaging and data measurement requirements of today's embedded vision applications. Industry-leading expertise in rugged/power and high-performance interconnect systems, combined with on-going **Extended Life Product™** and **Severe Environment Testing** initiatives, enables quick-turn, cost-effective options for the performance, reliability and durability demands of embedded vision applications. For more information, visit **samtec.com/embedded-vision** or contact **SIG@samtec.com**.

Product Features & Benefits

- Signal integrity-optimized solutions
- High-reliability / rugged contact systems
- Small form factors / ultra-high densities
- High frequency interfaces
- Industry standard solutions

Design & Development Support

- Free online tools & resources: 3D Models, Prints, Picture Search & Solutionator® product builders
- Extensive testing initiatives that surpass typical industry standards and specifications
- RF technical support for launch optimization, simulation and test & measurement
- Industry-leading component and system-level engineering expertise



Severe Environment Testing

SET is a Samtec initiative to test products beyond typical industry standards and specifications.

Products undergo additional testing to ensure they are *more than suitable* for military, space, automotive, industrial and other extreme applications.

For additional information and current test results, please 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. These include:

10 year Mixed Flowing Gas (MFG)

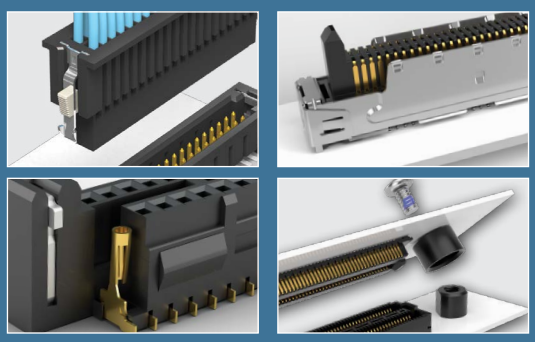
High Mating Cycles (250 to 2,500)

For complete details about the E.L.P.™ program and a full list of qualifying products and test results, please visit **samtec.com/ELP** or contact **ASG@samtec.com**.

RUGGEDIZING SOLUTIONS

Most Samtec interconnect systems are available with a variety of standard and optional rugged features to ensure quality and durability in any application.

- Jack Screws
- Positive Latching
- Friction Locks
- Retention Pins
- Board Locks
- Weld Tabs
- Guide Posts
- Shielding
- Screw Downs
- Board Standoffs



INTERCONNECT SOLUTIONS

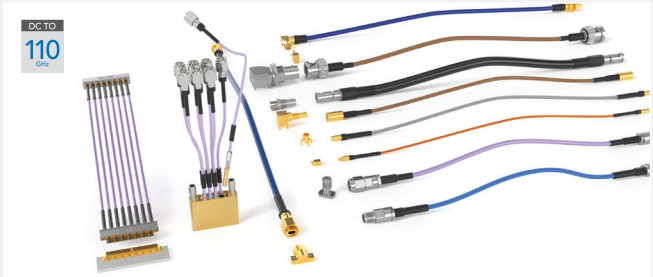
Ultra Micro Interconnects

Ultra fine pitch connectors featuring low profile and ultra-slim bodies including hermaphroditic interfaces with high-retention Razor Beam™ contacts and EMI shielding.

samtec.com/ultra-micro

RF Connectors & Cable Assemblies

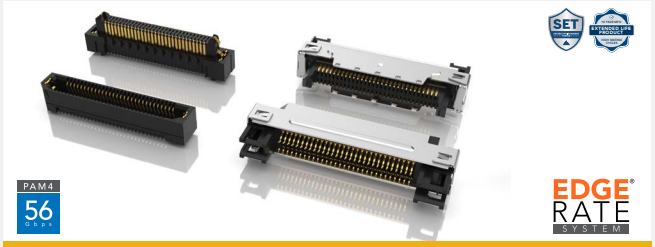
Precision, high frequency/standard and low frequency cable assemblies and connectors supporting sub-6 GHz to 110 GHz microwave/mmWave frequencies.



samtec.com/rf

Rugged SI Edge Rate® Strips

Signal integrity optimized, high-cycle contacts featuring an extended wipe for a reliable connection in a choice of pitch, stack height and ruggedizing features.



samtec.com/edgerate

High-Performance Arrays

High-density, extreme performance arrays with an open-pin-field design for maximum routing and grounding flexibility in slim body and low profile designs.

samtec.com/arrays

Optical Transceivers

Future-proof, optical transceivers feature a micro footprint providing reliable signal integrity over an extended distance.

samtec.com/optics

12G-SDI Broadcast Video

Largest variety of 12G-SDI products: BNC, High-Density BNC and DIN 1.0/2.3 with pick-and-place solutions.

samtec.com/12gsdi

CoaXPress® Standard Solutions

Samtec's compliant high-density BNC 75 Ω connectors and cable assemblies for high-speed imaging applications.

samtec.com/coaxpress

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

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