



SMART CITIES, GRIDS & FACTORIES

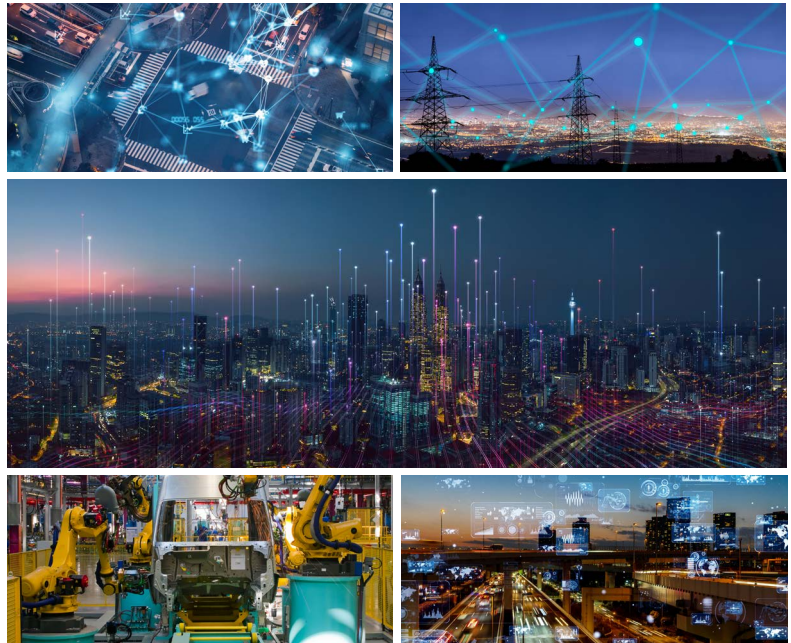
Samtec delivers Sudden Service® solutions that meet the smart sensor, multidirectional data networking and reliability requirements of today's smart city, grid and factory applications. Industry-leading expertise in high-performance interconnect systems, combined with on-going **Extended Life Product™**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

Product Features & Benefits

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

Design & Development Support

- Industry-leading component and system-level engineering expertise
- Samtec cable assemblies also undergo cable flex and/or dynamic testing to prove consistent electrical stability in demanding applications
- RF technical support for launch optimization, simulation and test & measurement



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.

ONLINE TOOLS

Find, Design & Validate Your Solution

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

Solutionator RF samtec.com/rf-cablebuilder

Solutionator HS samtec.com/cablebuilder

Solutionator HS 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

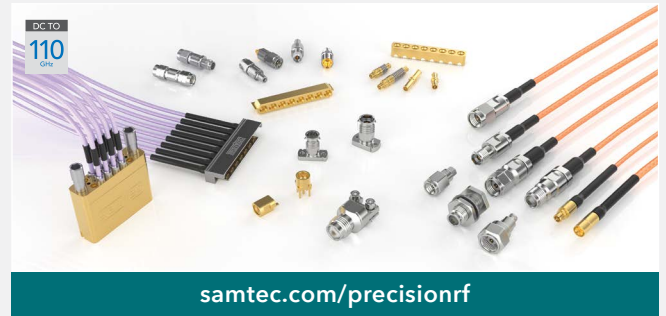
High-Performance Arrays

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



Precision RF

Cable assemblies, cable connectors, board connectors and adaptors for 18 to 110 GHz high frequency, microwave and mmWave applications with full system support.



High-Speed Cable Assemblies

Eye Speed[®] micro coax and twinax cable assemblies with mix-and-match end options, including high-density array, self-mating, ground plane and PCI Express[®] solutions.



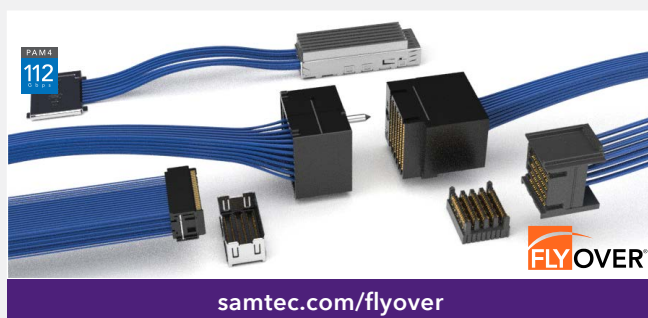
High-Isolation RF Solutions

Isolated signal 50 Ω board stacking and cable assemblies for 90% performance of traditional RF at half of the cost; full ganged system or with industry standard end 2 options.



Flyover[®] Cable Systems

Extended signal reach and density to achieve next gen speeds by routing signals via ultra low skew twinax cable vs. lossy PCB for panel, mid-board and backplane applications.



CoaXpress[®] Standard Solutions

Samtec's compliant high-density BNC 75 Ω connectors and cable assemblies, including pick-and-place solutions, for professional and industrial high-speed imaging applications.



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

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