



PROTOTYPE, DEVELOPMENT & EVALUATION

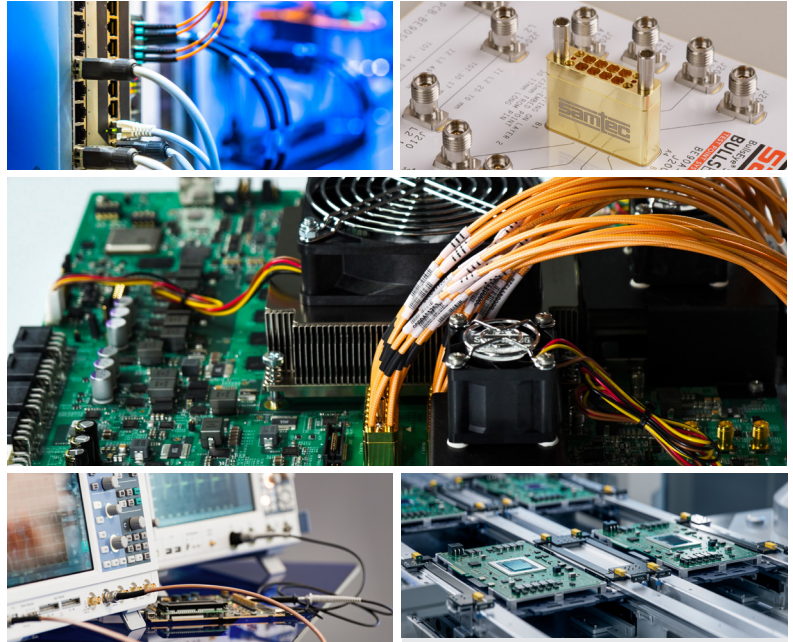
Samtec has a wide range of standard interconnect products, as well as design and development boards, with flexible options that support prototype, development and evaluation system designs. Downloadable 3D models, test reports and footprints are available at samtec.com. Our Sudden Samples and Reserve® programs ensure rapid product delivery. For more information visit samtec.com/prototype-dev-eval or email SIG@samtec.com.

Product Features & Benefits

- High frequency / low latency systems
- Signal integrity-optimized solutions
- High-density solutions
- Industry-leading cable performance
- Copper and optical solutions

Design & Development Support

- Broad portfolio of evaluation kits for real-time development and testing in a lab setting
- Samtec works with FPGA developers and system level architects who are prototyping with FPGAs for evaluation and development
- Express modification and engineered custom products



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 and measurement verification

Contact Samtec's RF Group at RFGroup@samtec.com for assistance.

SIGNAL INTEGRITY SUPPORT

Samtec is the industry leader in Signal Integrity. Our mission is to help you attain full system optimization - from Silicon-to-Silicon™.

- Full channel analysis
- System optimization recommendations
- PDN simulations
- Advanced product design support

Visit samtec.com/sig or contact SIG@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 or contact KitsAndBoards@samtec.com.

ONLINE TOOLS

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



samtec.com/rf-cablebuilder



samtec.com/hsb2b-solutionator



samtec.com/optics-solutionator

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

samtec.com/picturesearch

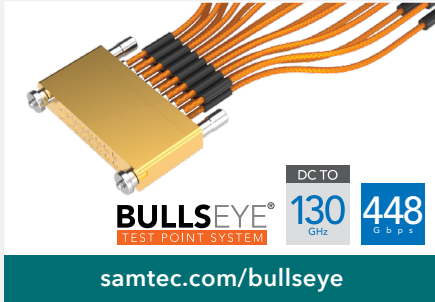
Downloadable Resources: Immediate and unlimited access to select the right solution - 3D models, prints and footprints, test reports, white papers and more

samtec.com

INTERCONNECT SOLUTIONS

High-Performance Test

Bulls Eye® test and measurement assemblies to 130 GHz/448 Gbps with a high-density, space saving design.



DC TO **130** GHz **448** Gbps

BULLSEYE
TEST POINT SYSTEM

samtec.com/bullseye

Bulls Eye® ISI Evaluation Boards

Easy validation of high-speed SerDes via multiple parallel variable length signal paths with known loss profiles.



DC TO **70** GHz **90** GHz

BULLSEYE
TEST POINT SYSTEM

samtec.com/bullseye-isi

RF Compression Mount

1.00, 1.35, 1.85, 2.40 and 2.92 mm solderless compression Precision RF interconnects to 110 GHz.



DC TO **110** GHz

samtec.com/rf-connectors

Mid-Board Optical Transceivers

Future-proof optics in a small footprint providing reliable SI; interchangeable with FireFly™ copper assemblies.

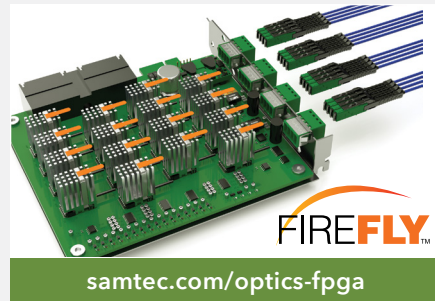


FIREFLY
28 Gbps

samtec.com/firefly

Optics/FPGA Kits

Samtec offers a variety of optical module and FPGA evaluation kits for real-time development and testing in a lab setting.



FIREFLY

samtec.com/optics-fpga

NovaRay® I/O Cable System

Highest aggregate data rate to 4,096 Gbps PAM4 from the IC to the package and beyond; PCIe® 7.0 capable.



PAM4 **128** Gbps

NOVARAY I/O

samtec.com/novaray-io

High-Density Arrays

High-speed, high-density arrays with up to 560 I/Os in an open-pin-field design for max grounding and routing flexibility.



PAM4 **56** Gbps

SEARAY

samtec.com/searay

Extreme Performance Arrays

Industry leading 4.0 Tbps aggregate data rate density with very low crosstalk and very tight impedance control.



PAM4 **128** Gbps

NOVARAY

samtec.com/novaray

Flyover® SFP/QSFP/OSFP

Direct attach assemblies route high-speed signals via Eye Speed® ultra low skew twinax cable for improved SI.



PAM4 **224** Gbps

FLYOVER

samtec.com/qsfp-flyover

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

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