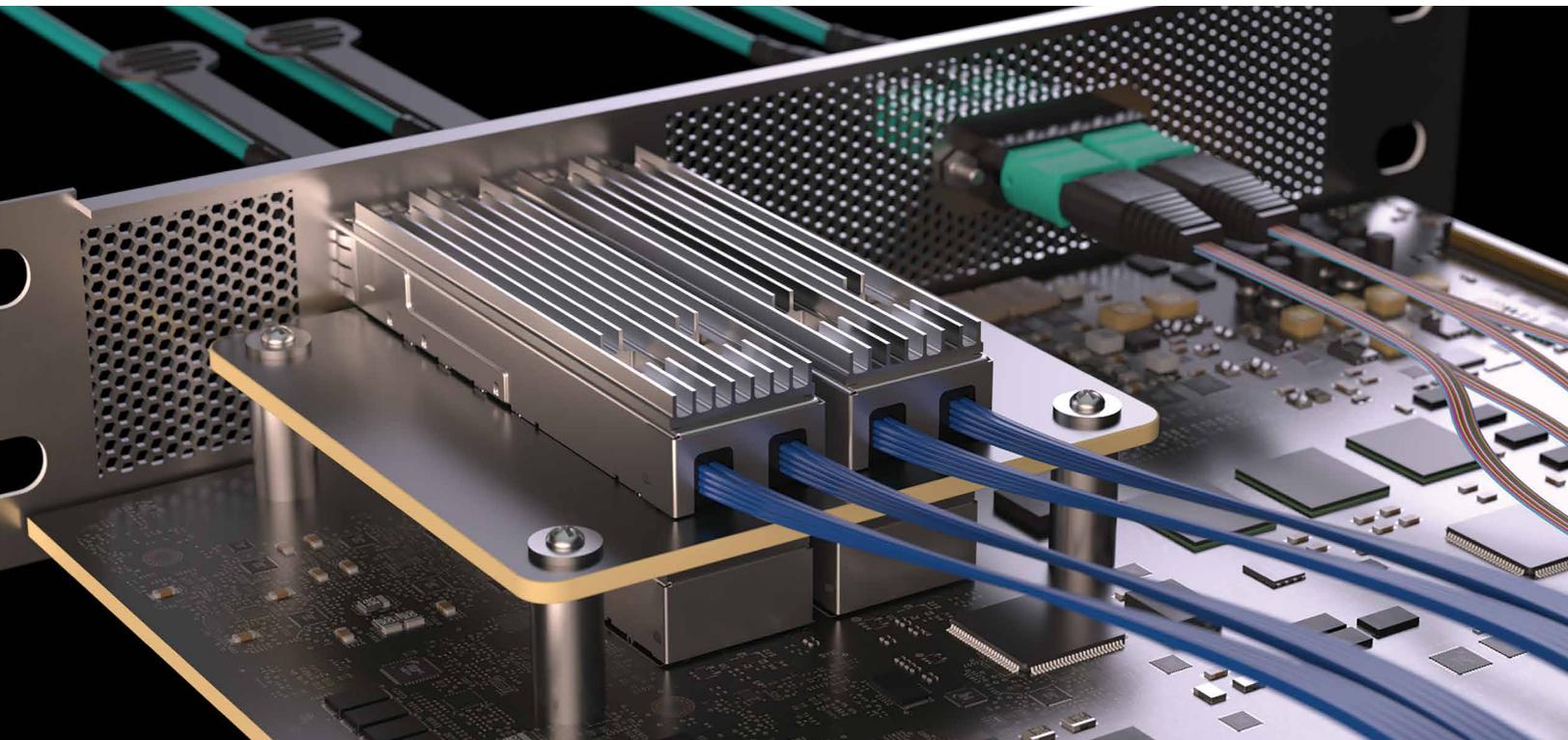


FLYOVER® PANEL ASSEMBLIES



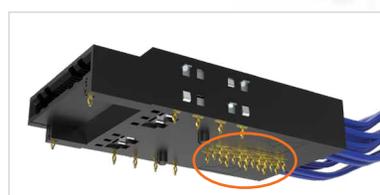
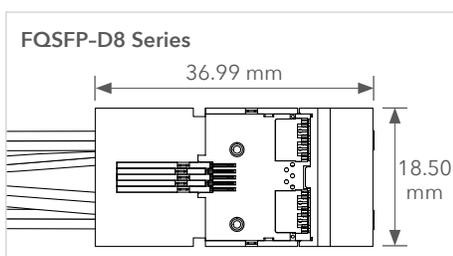
FLYOVER® QSFP SYSTEMS

- Up to 800 Gbps PAM4 aggregate data rate (112 Gbps PAM4 per channel)
- 4 channels (x4 bidirectional, 8 differential pairs) or 8 channels (x8 bidirectional, 16 differential pairs)
- Double density versions feature belly-to-belly mating for maximum density (FQSFP-DD, FQSFP-D8)
- Multiple heat sink options for optimal dissipation
- Variety of end 2 options including AcceleRate®, NovaRay®, Si-Fly™, FireFly™ and ExaMAX®
- Evaluation Kits available, see page 27 or visit samtec.com/kits
- Additional front panel ports in development: SFP112, OSFP200

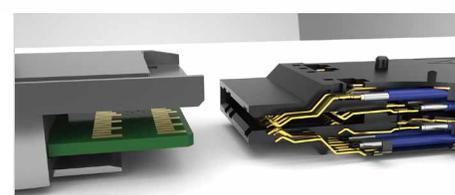


NRZ	PAM4
56 Gbps	112 Gbps

FQSFP-D8



Sideband signals are routed through press-fit contacts for increased airflow



High-speed contacts directly soldered to Eye Speed® ultra low skew twinax

NOVARAY® I/O EXTREME PERFORMANCE SYSTEM

- Up to 3,584 Gbps PAM4 aggregate data from the IC package to the panel and beyond
- No heat sinks required for panel space savings
- 16 and 32 differential pair configurations
- Accommodates PCIe® x4 or x8 plus sidebands
- 28 or 34 AWG (external) and 34 AWG (internal) ultra low skew twinax
- Cable-to-cable bulkhead panel connection using Flyover® cable technology
- Multiple end 2 high-speed connector options including AcceleRate®, NovaRay® and Si-Fly™

NOVARAY® I/O

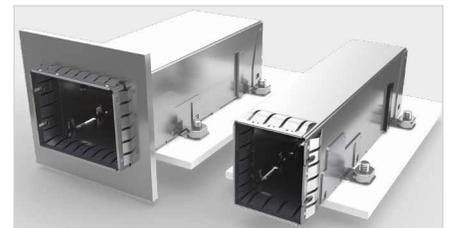


NVACP/NVACE/NVC

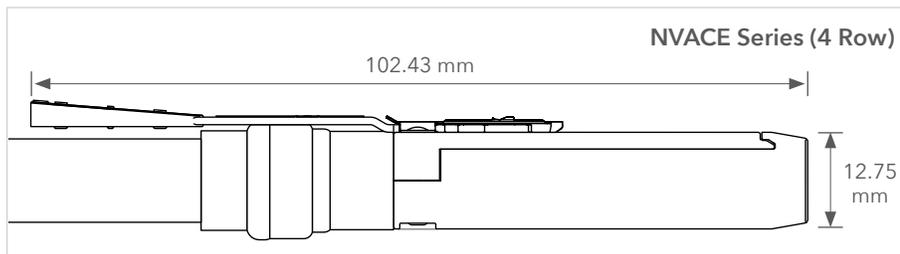
PAM4
112
Gbps

PCI EXPRESS®
6.0 Capable

TARGETED CONFIGURATIONS	AGGREGATE DATA RATE
8 Pair (in development)	896 Gbps
16 Pair	1792 Gbps
32 Pair	3584 Gbps
x4 (8 Pair + PCIe® Sidebands)	512 Gbps
x8 (16 Pair + PCIe® Sidebands)	1024 Gbps



Right-angle to front panel available for design flexibility



Roadmap: NovaRay® I/O in a rugged 38999 shell & salt fog resistant to 48 hours

PCI-SIG®, PCI Express® and the PCIe® design marks are registered trademarks and/or service marks of PCI-SIG.

ExaMAX® I/O SHIELDED CABLE SYSTEM

- Fully shielded external cable and cage for EMI protection
- Rugged pull latch for mating/unmating
- Cage designed for use with ExaMAX® right-angle board connector (EBTM-RA)
- 30 and 34 AWG ultra low skew twinax
- 24 to 72 pairs (4 and 6 pairs; 6, 8, 10 and 12 columns)
- Roadmap: cable-to-cable bulkhead panel connection for increased performance to 112 Gbps PAM4

ExaMAX®

PAM4
56
Gbps

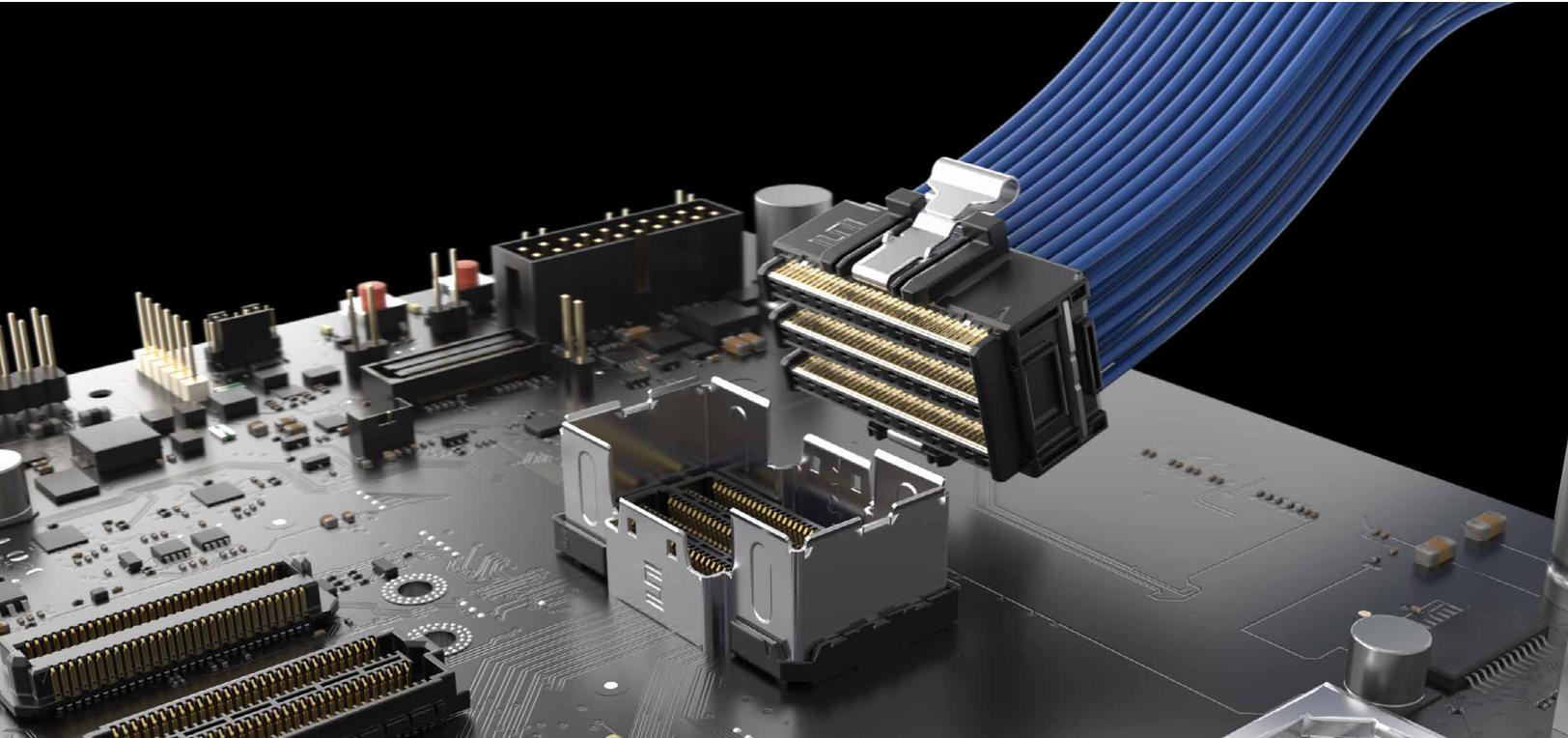
EBCE/EBTC



ExaMAX® is a registered trademark of AFCI.

FLYOVER[®]

MID-BOARD ASSEMBLIES

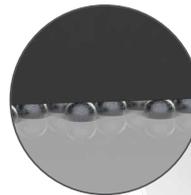


NOVARAY[®] EXTREME HIGH-SPEED, HIGH-DENSITY CABLE

- Industry leading aggregate data rate density – 2x the data rate in 60% of the space
- Proprietary pin to ground configuration enables very low crosstalk (to 40 GHz) and very tight impedance control
- Two reliable points of contact guaranteed
- BGA attach for density and optimized trace breakout region
- Evaluation Kits available, see page 27 or visit samtec.com/kits

NRZ	PAM4
56 Gbps	112 Gbps

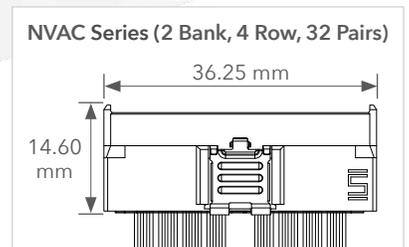
NOVARAY[®]



NVAC/NVAM-CT

AGGREGATE DATA RATE (NRZ)					
448 Gbps	672 Gbps	896 Gbps	1344 Gbps	1792 Gbps	4032 Gbps*
1 Bank		2 Bank		3 Bank*	
2 Row	3 Row	4 Row	2 Row	3 Row	4 Row
8 Pairs	12 Pairs	16 Pairs	24 Pairs	32 Pairs	72 Pairs*

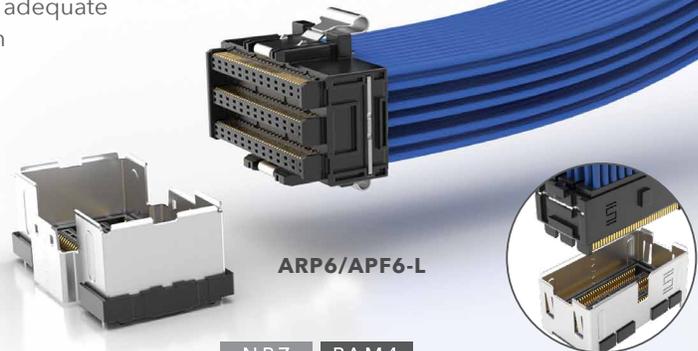
*In development



ACCELERATE® HP EXTREME DENSITY SYSTEM

- Industry's highest density 112 Gbps PAM4 cable-to-board system
- Supports today's 256-channel chip and tomorrow's 512-channel chip
- Staggered row-to-row spacing of 2.2 mm x 2.4 mm allows adequate routing lanes for optimized traces; 0.635 mm contact pitch
- 32 to 72 differential pairs; up to 96 pairs in development
- Eye Speed® 34 AWG ultra low skew twinax cable
- BGA solder ball attach for simplified processing
- Right-angle shielded mating connector in development (APF6-RA)

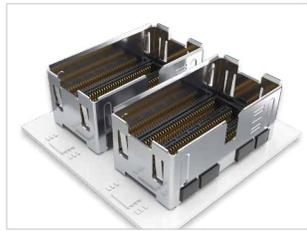
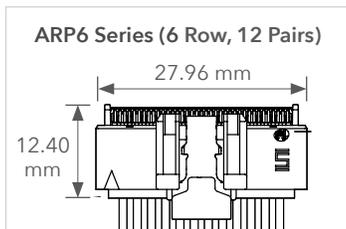
ACCELERATE®HP



ARP6/APF6-L

NRZ	PAM4
56 Gbps	112 Gbps

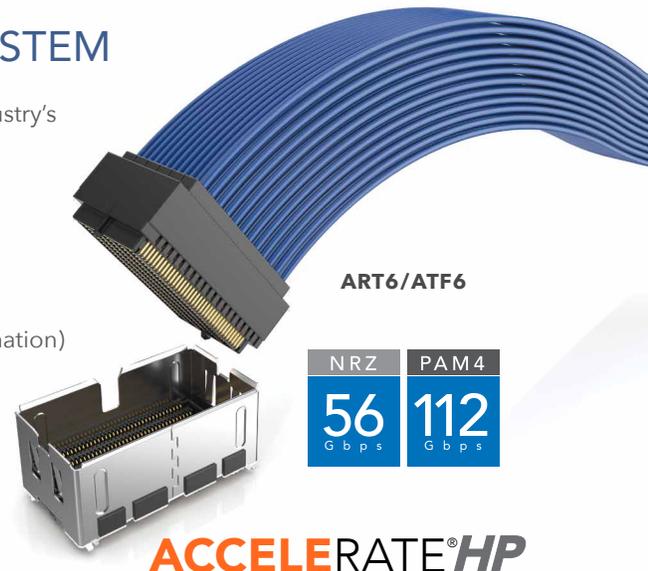
Locking available for maximum density



35 mm x 35 mm footprint holds two 72 differential pair connectors (144 total pins)

ACCELERATE® HP GEN 2 ON-PACKAGE SYSTEM

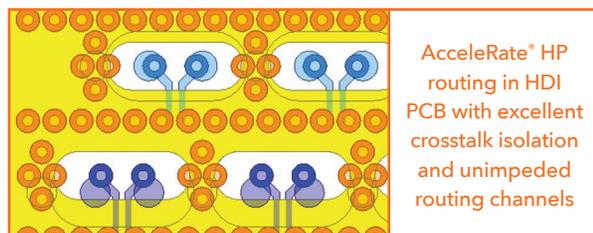
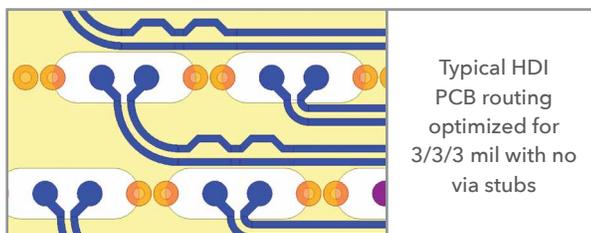
- Samtec is the first to achieve a direct-to-chip package solution with the industry's highest density 112 Gbps PAM4 interconnect
- Double the density in the same Gen 1 footprint; up to 144 differential pairs
- 182 differential pairs per square inch
- Staggered row-to-row spacing; 0.635 mm contact pitch
- Eye Speed® Thinax™ ultra performance twinax cable (see page 20 for information)
- Vertical cable application provides the highest footprint density
- 2-piece system for high reliability and thermal performance required for co-packaged solutions
- Roadmap: Single-ended signaling micro coax cable assembly, and mixed wafer technology with micro coax and Thinax™ cable



ART6/ATF6

NRZ	PAM4
56 Gbps	112 Gbps

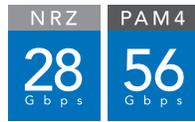
ACCELERATE®HP





ACCELERATE® SLIM, DIRECT ATTACH SYSTEM

- Slimmest cable assembly in the industry – 7.6 mm width
- 8, 16 and 24 differential pair configurations in a high-density 2-row design; 72 pairs in development
- PCIe® 5.0 capable
- Contacts directly soldered to the cable improves signal integrity by eliminating the transition board and its variability
- Eye Speed® 34 AWG ultra low skew twinax cable
- Rugged metal latching and shielding
- “Reversed Polarity” pinout option for reduced Far-End Crosstalk
- Evaluation Kit available, see page 27 or visit samtec.com/kits



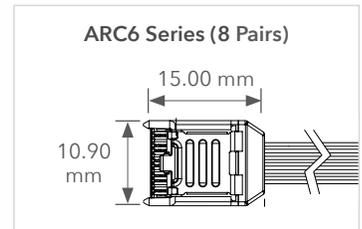
ACCELERATE®



ARC6/ARF6

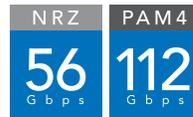


Right-angle board mate available



ACCELERATE® MINI EXTREME PERFORMANCE SYSTEM

- Design flexibility as an End 2 option for Flyover® assemblies
- One or two differential pairs
- Eye Speed® 34 AWG Thinax™ ultra performance twinax cable (see page 20 for more information)
- Vertical and right-angle mating board connector



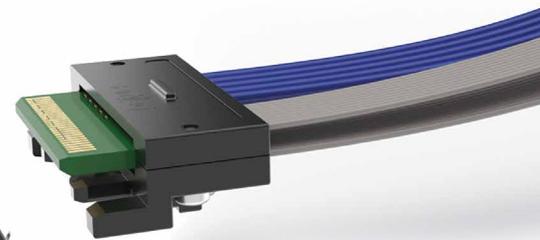
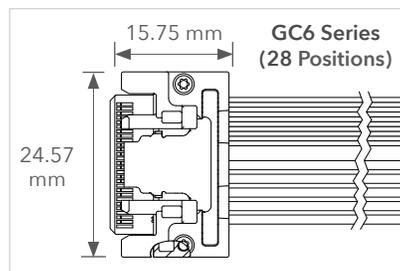
ACCELERATE® mini



ARM6/AMF6

GENERATE™ HIGH-SPEED EDGE CARD SYSTEM

- Compatible with SFF-TA-1002 (1C, 2C, 4C & 4C+)
- Surpasses PCIe® 4.0 and 5.0 performance requirements
- Edge Rate® contacts optimized for signal integrity performance
- Vertical or right-angle cable launch
- Mates with Generate™ 0.60 mm pitch high-speed edge card socket (HSEC6)
- Rugged metal latching system

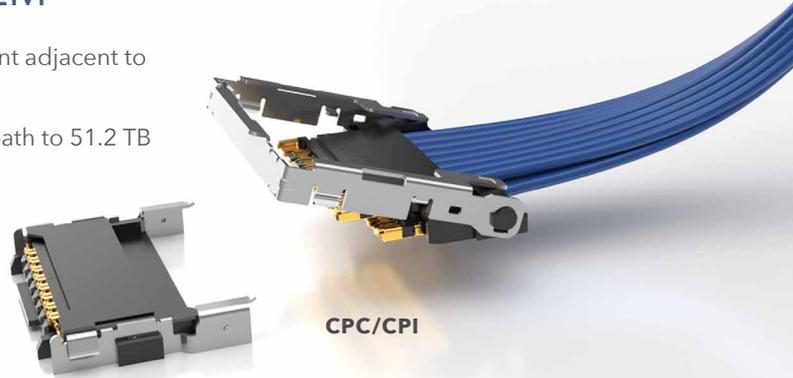


GC6/HSEC6

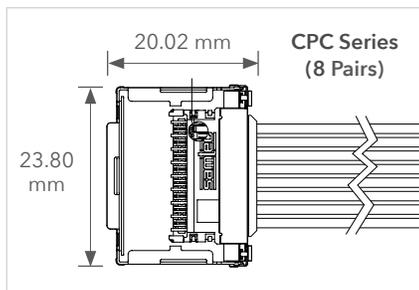
GENERATE™

SI-FLY™ LOW PROFILE CABLE SYSTEM

- Up to 16 pairs in an extremely low 3.8 mm profile for placement adjacent to the IC package, under heat sinks or other cooling hardware
- 112 Gbps PAM4 per lane enabling 25.6 TB aggregate with a path to 51.2 TB
- High-density 8 or 16 pairs for routing 4 or 8 channels
- Eye Speed® 34 AWG ultra low skew twinax cable
- 8.4 mm minimum height required for mating
- Evaluation Kit available, see page 27 or visit samtec.com/kits



CPC/CPI



SI-FLY™ LP

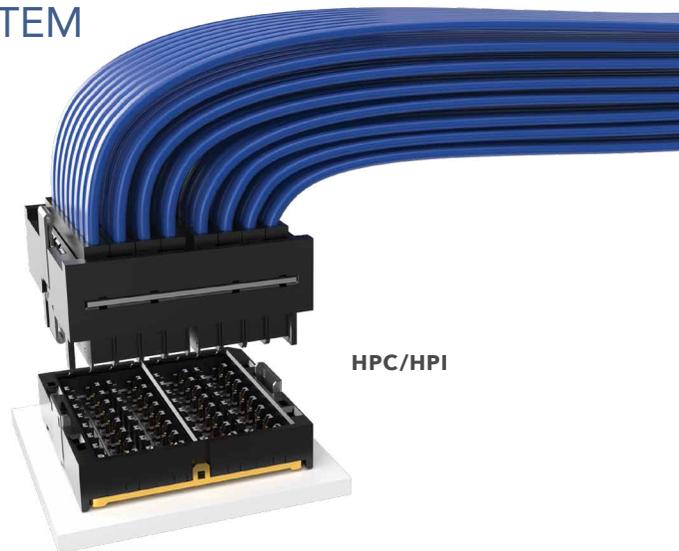
NRZ	PAM4
56 Gbps	112 Gbps

SI-FLY™ HIGH-DENSITY ON-PACKAGE SYSTEM

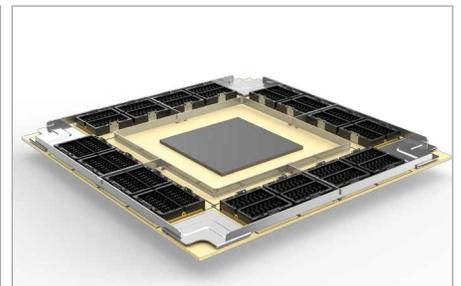
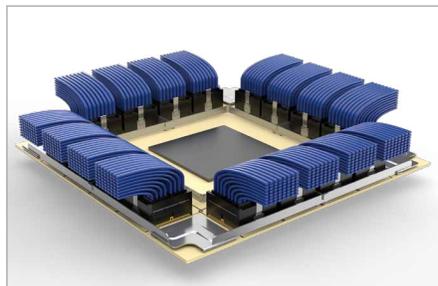
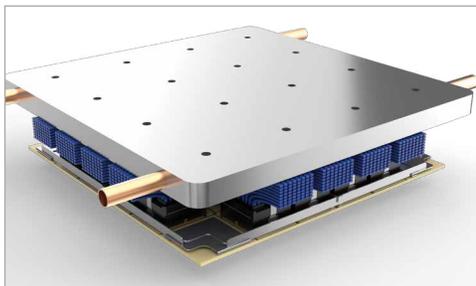
- Vertically launched cables for the highest density package
- 64 pairs in an incredibly small 13 mm x 13 mm footprint
- 245 differential pairs per square inch
- 0.53 mm (Signal-Ground) and 0.40 mm (Signal-Signal) contact pitch; 1.25 mm row-to-row pitch
- Designed for High Density Interconnect (HDI) and package substrates
- Eye Speed® Thinax™ ultra performance twinax cable (see page 20 for additional information)

SI-FLY™ HD

PAM4
224 Gbps



HPC/HPI



Ultra-high density solution for co-packaged applications.

FLYOVER[®] BACKPLANE CABLES

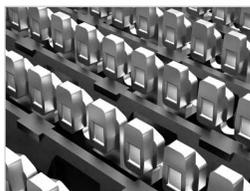


NOVARAY[®] MICRO RUGGED BACKPLANE SYSTEM

- True 112 Gbps PAM4 signal integrity with Flyover[®] support
- Cable-to-board, cable-to-cable, board-to-board
- Configurable signal banks for design flexibility
- Offset footprint for optimal signal integrity performance
- Reliable two points of contact for stub free mating
- Large continuous ground blades between and surrounding the differential pairs eliminates resonances
- Optional guidance and keying for blind mate



Precision Insert Molded Contact System



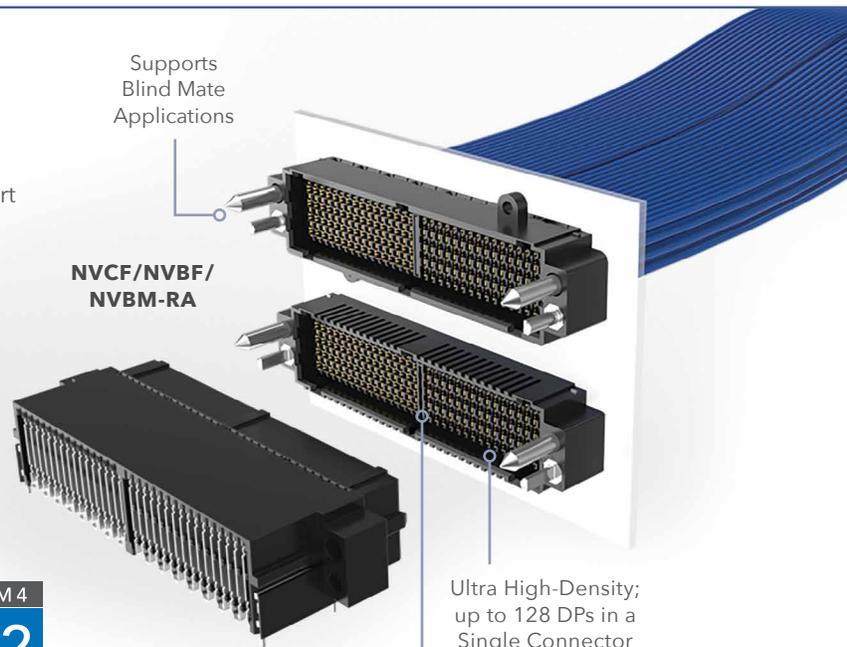
Solder Charge Termination for Higher Densities

PAM4
112
Gbps

NOVARAY[®]

Supports Blind Mate Applications

NVCF/NVBF/
NVBM-RA



Ultra High-Density; up to 128 DPs in a Single Connector

Single-Ended or Differential Pair Wafers

ExaMAX® HIGH-SPEED BACKPLANE SYSTEM

- Cable-to-cable, cable-to-board, mid-board and panel applications
- Highly customizable with modular flexibility
- Reduced costs due to lower PCB layer counts
- 4 and 6 pairs; 4-16 columns
- Integrated guidance and keying options
- Multiple end 2 options available
- Evaluation Kit available, see page 27 or visit samtec.com/kits

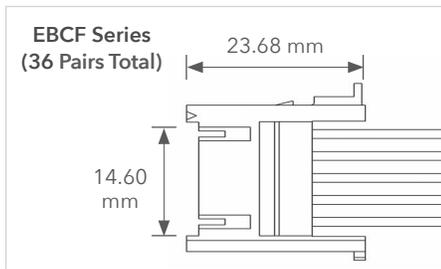
NRZ	PAM4
56	112
Gbps	Gbps

ExaMAX®



EBCF/EBDM-RA

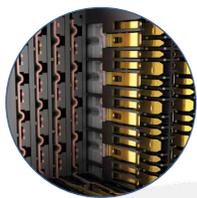
Cable-to-DMO
(Direct Mate Orthogonal)



ExaMAX® I/O Cable System also available (see page 9)



Roadmap: 8 Pairs for Greater Design Flexibility

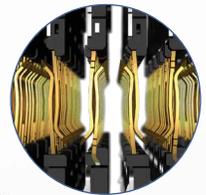


Staggered Differential Pairs Provide Higher Data Rates

Designed for Blind-Mate Systems

Industry's Lowest Mating Force with Excellent Contact Normal Force

Two Reliable Points of Contact with a 2.4 mm Wipe



EBTF-RA

EBCB

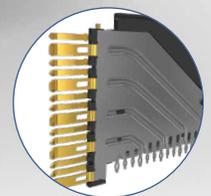
EBCM

EBCB

EBCF

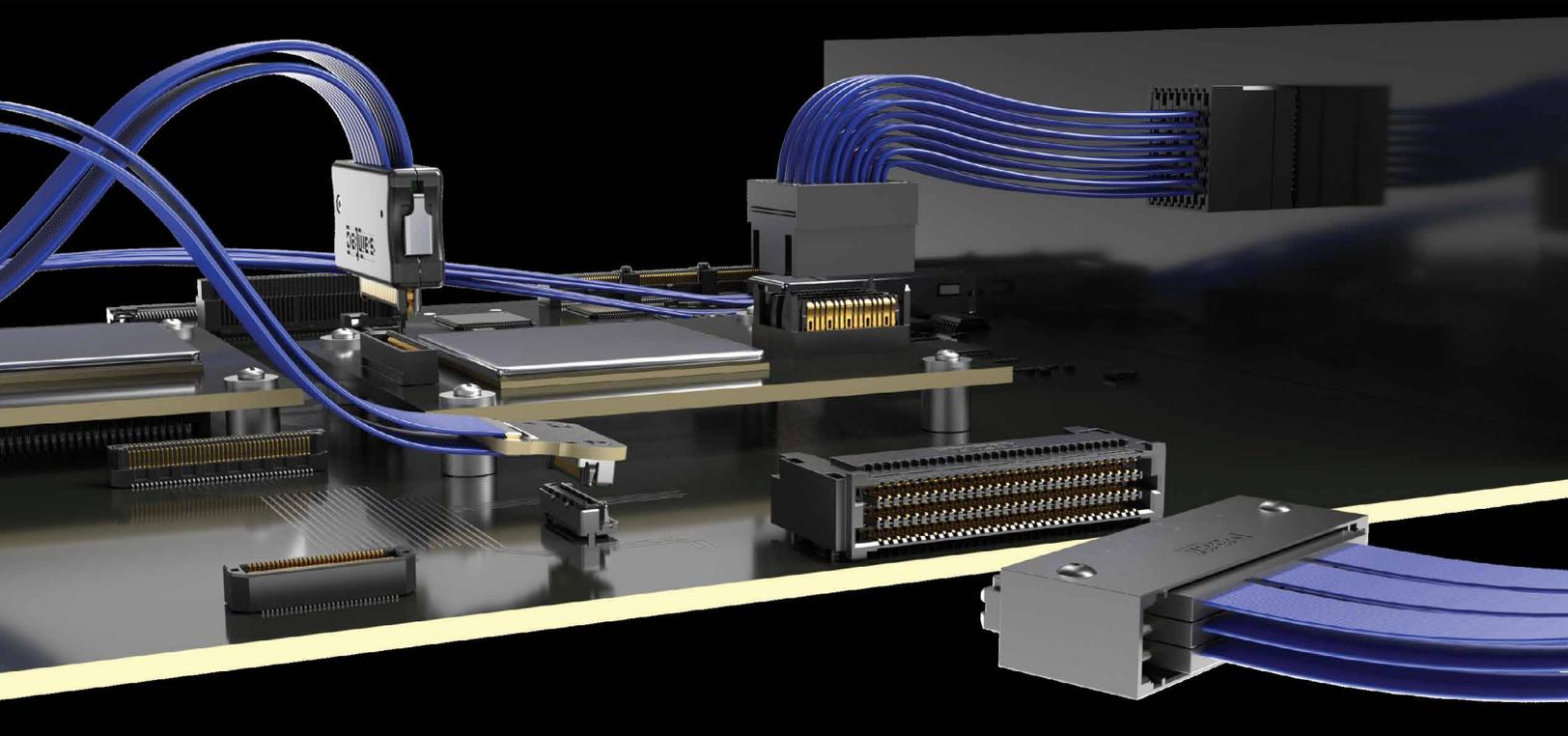
Vertical and Right-Angle

Wafer Design Increases Isolation for Reduced Crosstalk and Includes One Sideband Signal per Column



30 and 34 AWG Ultra Low Skew Twinax Cable Supports Various Cable Lengths

HIGH-SPEED CABLE ASSEMBLIES



14
Gbps

MICRO COAX & TWINAX CABLE ASSEMBLIES

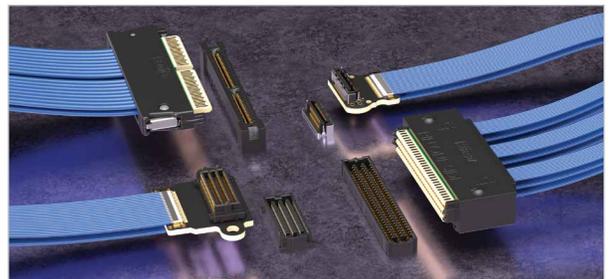
- Ability to mix-and-match end options for application-specific requirements with extensive customizing capabilities
- Single-ended 50 Ω & differential 100 Ω standards
- Rugged features and options including strain relief, plastic housings, screw downs, latches, locks, etc.
- Many non-cataloged standards available including 75 Ω micro coax and high-density twinax solutions



EYE[®]
SPEED
CABLE

EYE SPEED[®] CABLE TECHNOLOGY

- Excellent signal integrity performance with individual copper serve or braid shielding
- Stranded conductor for small bend radii and dynamic high flexing cycle applications
- Cost-effective ribbonizing eliminates discrete wires
- 26-38 AWG coax and twinax construction; 20 Ω , 50 Ω , 85 Ω & 100 Ω



Samtec's Eye Speed[®] cable supports a wide variety of assemblies and applications

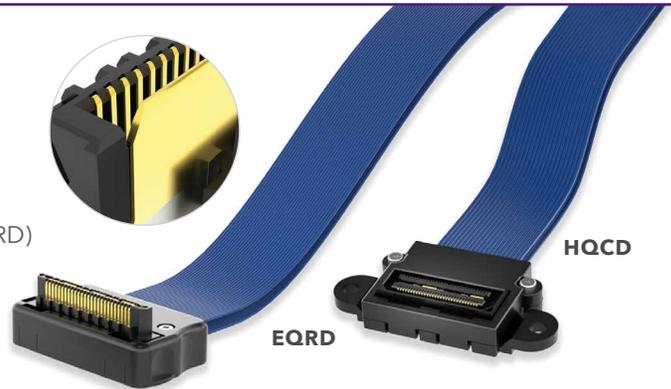
HIGH-DENSITY ASSEMBLIES

- 1.27 mm (SEAC) and 0.80 mm pitch (ESCA)
- 34 or 36 AWG coax; 32 AWG twinax
- Mates with SEARAY™ and SEARAY™ 0.80 mm arrays
- Optional rugged latching



GROUND PLANE ASSEMBLIES

- Integral power/ground plane
- 34 and 38 AWG coax; 30 AWG twinax
- 0.50 mm (HQCD/HQDP) and 0.80 mm pitch (EQCD/EQDP/EQRD)
- Mates with Q Series® and Q Rate® connectors



EDGE CARD ASSEMBLIES

- 30 AWG twinax (ECDP); mates with Generate™ 0.80 mm pitch edge cards (HSEC8)
- PCI Express® twinax assemblies support 3.0/4.0/5.0 data transfer rates (PCIEC)
- FireFly™ copper available as standard (14 Gbps), optimized (56 Gbps PAM4) and PCIe® 4.0; Evaluation Kit available, see page 27 or visit samtec.com/kits
- 34 AWG ultra low skew twinax (FEDP); mates with 0.50 mm pitch edge card (FCDP)



HIGH-SPEED ASSEMBLIES

- Ultra-micro hermaphroditic Razor Beam™ coax assemblies with rugged shielding (HLCD)
- 0.80 mm pitch Edge Rate® coax and twinax assemblies (ERCD, ERDP)
- 38 AWG coax & 30 AWG twinax assemblies



HIGH-SPEED CABLE

DESIGN FLEXIBILITY



ANY
high-speed
connector

ANY
break-out
configuration

ANY
high-speed
precision cable

... to create a solution for
any specific application.

HDR@samtec.com



Visit samtec.com/custom for additional information.

WILLINGNESS, SUPPORT & EXPERTISE

Industry-Leading Customer Service

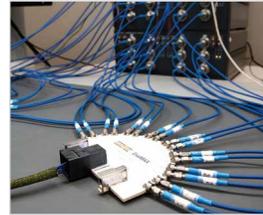
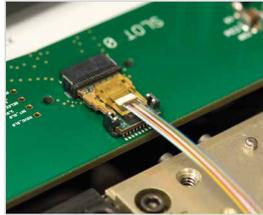
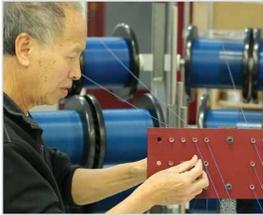
- Quotes and samples in 24 hours
- Prototype and processing assistance
- Dedicated Application Specific Product engineers and technicians

Flexible, In-House Manufacturing

- Global Operations, including multiple cable fabrication & assembly facilities
- Quick-turn samples and prototypes
- Custom & modified product support

Signal Integrity Expertise

- Industry-leading engineering support for high-performance system design
- Full system optimization assistance, including simulation, testing, analysis and evaluation



CUSTOMS & EXPRESS MODIFICATIONS

Samtec is able to support completely new and/or custom designs, as well as common simple modifications to cable assemblies and board-to-board products - often with low or no NRE charges, short lead times, quick-turn samples, and low or no MOQ's. Capabilities include:

- Contacts
- Bodies
- Stamping
- Ruggedizing features
- Wiring
- Molding
- Plating
- Polarization
- Packaging
- Labeling
- Ink printing
- Shielding modifications



Double-ended micro coax cable assembly with two panel mount ground plane connectors

Rugged, high-speed Edge Rate[®] cable assembly with custom signal mapping to edge card



Ground plane connector to multiple hermaphroditic connectors with micro coax cable for a multi-layered system

EYE SPEED® CABLE TECHNOLOGY



ULTRA LOW SKEW TWINAX CABLE

Samtec's proprietary Eye Speed® co-extruded twinax cable technology eliminates the performance limitations and inconsistencies of individually extruded dielectric twinax cabling, improving signal integrity, bandwidth and reach for high-performance system architectures.

- Tight coupling between signal conductors
- Improved bandwidth (28-112+ Gbps) and reach
- Improved signal integrity and eye pattern opening
- Low skew (< 3.5 ps/meter) over extended lengths
- Supports Samtec Flyover® technology

Micro Cellular Dielectric Extrusion

- Critical dimensions measured at every dielectric spool
- Inline laser and CAPAC devices for capacitance monitoring and diameter control
- In-process stats summary sheet for Cpk acceptance

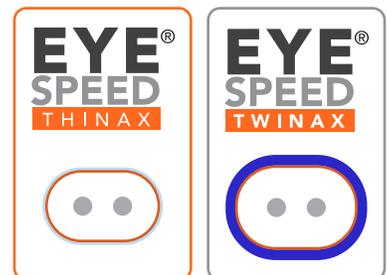


Eye Speed® Ultra Low Skew Twinax			28 AWG	30 AWG	32 AWG	34 AWG	36 AWG
Nominal Performance Specifications							
14 GHz (28G NRZ/ 56G PAM4)	0.25 m	IL (dB)	-1.0	-1.2	-1.5	-1.8	-2.2
	1.00 m		-3.9	-4.7	-5.9	-7.2	-8.7
28 GHz (56G NRZ/ 112G PAM4)	0.25 m		-1.5	-1.8	-2.2	-2.6	-3.2
	1.00 m		-6.0	-7.0	-8.7	-10.6	-12.7
Density/Flexibility			Good	Good	Better	Best	Best

* Eye Speed® Ultra Low Skew Twinax Cable is available in engineered impedance configurations of 85 Ω, 92 Ω and 100 Ω.

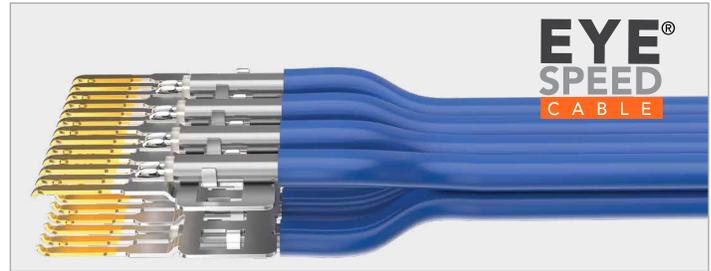
THINAX™ ULTRA PERFORMANCE TWINAX CABLE

- 40% smaller cross-sectional area
- 112 Gbps PAM4 performance
- Taped jacket miniaturizes the cable to match smaller, more dense connectors
- Allows for a smaller pitch within a row
- Achieving a smaller row-to-row pitch is dependent upon stack-up and BOR; customizable per application needs



DIRECT ATTACH CABLE

- High-density contacts directly soldered to the Eye Speed® ultra low skew twinax cable
- Improved signal integrity by eliminating the transition board and its variability
- Achieves tighter tolerances



MICRO COAX CABLE

- Foaming introduces air voids for signal to travel faster
- Solid extrusion of foamed dielectric provides a constant and more durable construction
- Lighter weight and smaller size with higher bandwidth capabilities at longer lengths
- 26 - 38 AWG cable available
- Choice of signal conductor, shield and FEP dielectric to meet performance and cost specifications

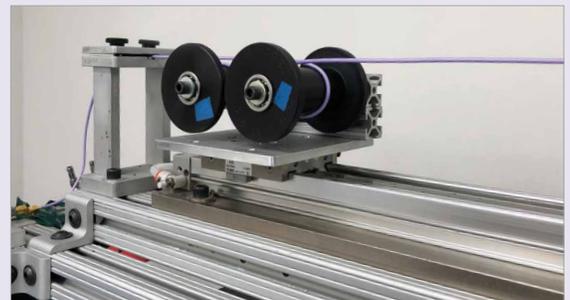


DYNAMIC TESTING

Samtec Eye Speed® Ultra Low Skew Twinax cable underwent Dynamic Insertion and Return Loss testing, proving the cable to be rugged with stable electrical performance after 250 flex/bend cycles.

This arduous flex and bend test determined that the performance of Samtec Eye Speed® ultra low skew twinax is essentially indistinguishable from the original raw, unbent cable.

Ultra low skew twinax provides the lowest insertion loss in the industry, controlled performance across temperature, and robust insertion loss in any assembly and operation environment. Contact HDR@samtec.com for higher cycle results.



Six feet of ultra low skew twinax cable on mandrels was coiled/uncoiled moving back and forth on a slide at a rate of 20-25 cycles per minute.

CABLE MANAGEMENT

- Samtec works with system architects in the early stages to optimize the architecture for cable management while keeping signal integrity and thermals in mind
- Complimentary service using mockups with accurate cable lengths
- Minimize number of SKUs within one system
- Minimize pressure drop



ADVANCED OPTICAL SYSTEMS

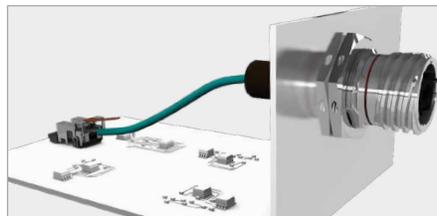


FIREFLY™ MICRO FLYOVER SYSTEM™ samtec.com/firefly

- Designed for flexibility, optical (ECUO) for greater distances and copper (ECUE; page 17) for cost optimization
- Industry leading miniature footprint allows for higher density close to the data source
- x4 and x12 configurations
- PCIe®-Over-Fiber supports 3.0/4.0 data rates for low latency, power savings and guaranteed transmission
- -40 °C to +85 °C extended temperature system (ETUO) for military, aerospace and industrial applications
- Extreme Environment FireFly™ sealed and Parylene-Coated for exposed applications (ETMO)
- Supports data center, HPC and FPGA protocols, including Ethernet, InfiniBand™, Fibre Channel, Aurora and PCIe®
- Multiple end options available: MTP®, MXC®, MT, Glenair® Series 79, VITA 66.X and other common interfaces
- Development Kit available, see page 27 or visit samtec.com/kits



PCIe®-Over-Fiber Adaptor Card (PCOA), available in x4, x8 or x16 configurations; supports 3.0/4.0 platforms and transparent or non-transparent bridging



Extended Temp FireFly™ (ETUO) with Amphenol® Aerospace's bulkhead interconnects (MT38999) for rugged optical solutions



Glenair® Series 79 MT connector is an End 2 option featuring a miniature form factor and shielding; ideal for mil/aero and industrial applications

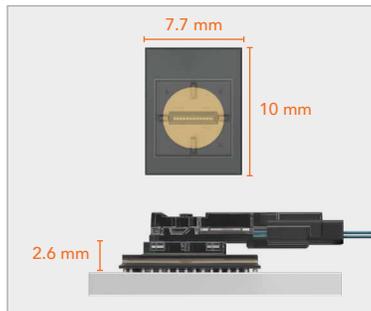
ECUO		PCUO		ETUO		PCOA	
FireFly™ Optical							
14 Gbps	x4 x12	25 Gbps	x4 x12				
16 Gbps	x12	28 Gbps	x4				
PCIe®-Over-Fiber							
8 Gbps	PCIe® 3.0 x4 PCIe® 3.0 x8 PCIe® 3.0 x16						
16 Gbps	PCIe® 4.0 x4 PCIe® 4.0 x8 PCIe® 4.0 x16						
Extended Temp FireFly™							
10 Gbps	x4, x12						
25 Gbps	x4						
PCIe®-Over-Fiber 3.0/4.0 Adaptor Card with FireFly™							

MTP® and MXC® are registered trademarks of US Conec Ltd. Amphenol® is a registered trademark of Amphenol Corp.

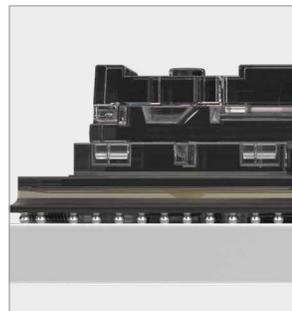
FIREHAWK™ RUGGEDIZED OPTICAL TRANSCEIVERS

samtec.com/firehawk

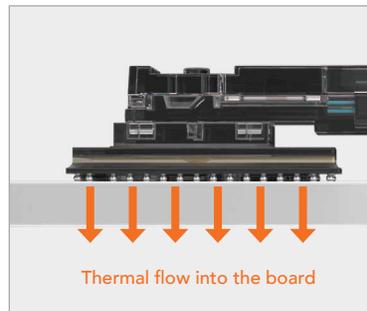
- Chip Scale Package (CSP) with the industry's smallest footprint and lowest profile, weighing less than 0.4 grams
- FireHawk™ for Mil/Aero with an integrated microcontroller to automate key functions (CSPO)
- FireHawk™ for Space designed to withstand the impacts of radiation without the need for a microcontroller (CSSO)
- Extreme performance with up to 40 Gbps transfer rate
- 10G x 4 data rate (10 Mbps to 10 Gbps per channel)
- Rugged BGA board attach withstands high shock and vibration
- -40 °C to +85 °C extreme temperature range (+95 °C available)
- RVCON® optical cables are removable and replaceable for repair or reconfiguration
- Development Kit available, see page 27 or visit samtec.com/kits
- Roadmap: 25G x 4 system (up to 25 Gbps per channel) in the same 10G connector footprint



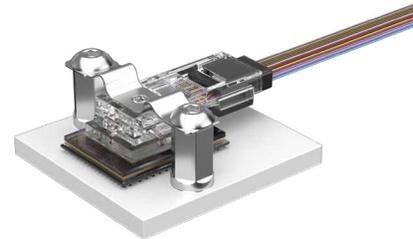
Ultra-compact, SWaP-optimized (Size, Weight and Power)



SMT reflow solderable with standard pick-and-place pad

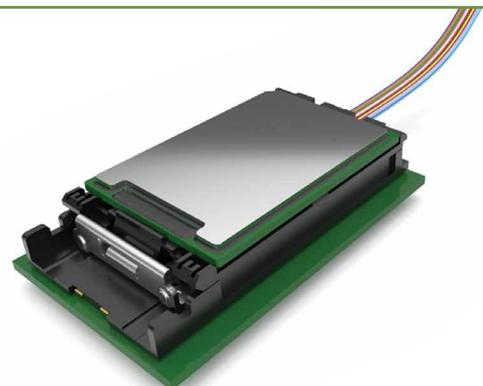


Direct mount to the PCB provides shortest possible thermal path



HALO™ NEXT GEN OPTICAL

- Capable of up to 112 Gbps PAM4 per lane
- Up to 16 channels (8 channel bidirectional)
- Low 6 mm profile with a 2-piece contact system
- Designed to withstand high shock and vibration
- Features a low center of gravity for a stable connection to the board
- Optically pluggable for easy replacement and increased uptime



HIGH-PERFORMANCE RF SOLUTIONS

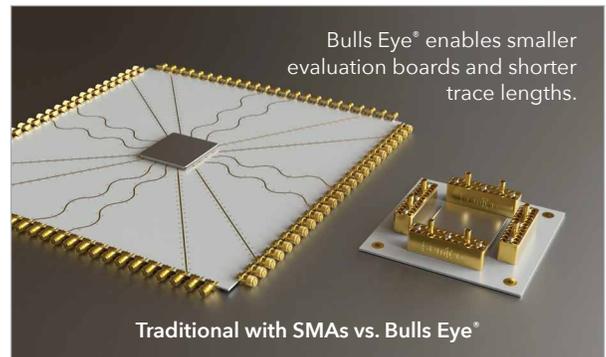


BULLS EYE® HIGH-PERFORMANCE TEST TO 90 GHz

- High-density, space-saving design that enables smaller evaluation boards and shorter trace lengths in test and measurement applications to 90 GHz
- Compression mounts to the board for placement directly adjacent to the SerDes being characterized
- Solderless design improves cost and is easy to use within a lab setting
- End 2 connection to instrumentation: 1.00 mm, 1.85 mm, 2.40 mm or 2.92 mm
- Single or double row
- Complete list of applications: SerDes characterization, clock/data recovery (CDR), mmWave radar, automated test equipment, FR2 5G networks
- Evaluation Kits available, see page 27 or visit samtec.com/kits



BULLSEYE®
TEST POINT SYSTEM

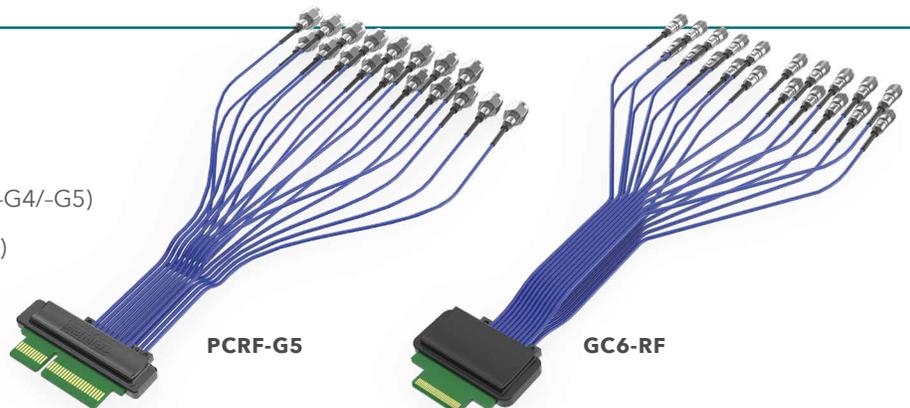


Frequency		90 GHz	70 GHz	50 GHz
Samtec Series		BE90A	BE70A	BE40A
Connection to Instrumentation		1.00 mm	1.85 mm	2.40 mm (50 GHz) 2.92 mm (40 GHz)
Block Options	No. of Rows	Single or Double		Double Row
	No. of Positions	1x: 2, 4, 8, 12 2x: 4, 8, 12, 16	1x: 2, 4, 8, 12 2x: 3, 4, 6, 8, 10, 12, 14, 16	2x: 3, 4, 6, 8, 10, 12, 14, 16

Test Assembly	BE90A	BE70A	BE40A
SerDes Characterization	PAM4 224 Gbps	PAM4 112 Gbps	PAM4 56 Gbps

HIGH-SPEED TEST CABLES

- Breakout test cables with RF connectors
- Capable of supporting PCIe® 4.0 and 5.0 (PCRF-G4/-G5)
- Capable of supporting 56 Gbps PAM4 (GC6-RF)



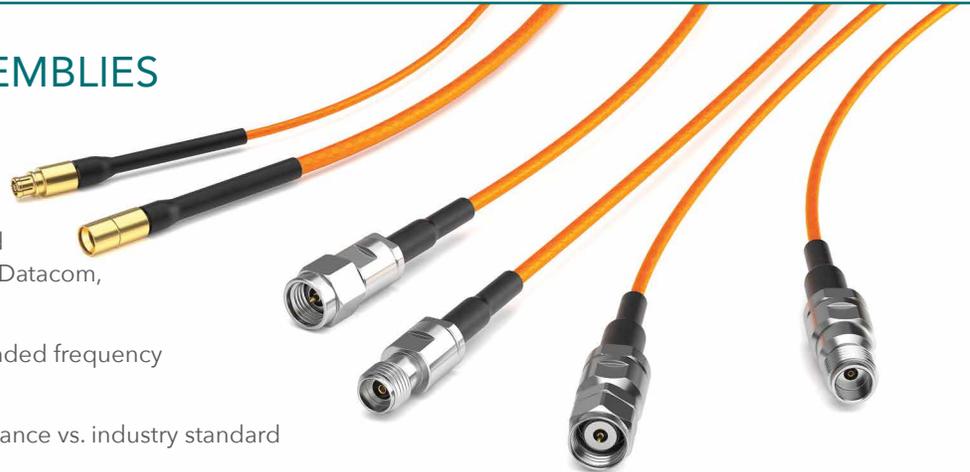
PRECISION RF CABLE ASSEMBLIES & CONNECTORS

- High-frequency, microwave/millimeter wave solutions to 110 GHz
- Cable assemblies, cable connectors & board level connectors
- Variety of interfaces: 1.00 mm, 1.35 mm, 1.85 mm, 2.40 mm, 2.92 mm, 3.50 mm, SSMA, SMP, SMPM, ganged SMPM, SMA, N Type, TNCA
- Magnum RF™ ganged SMPM for 40% greater density, less processing time and better positional alignment
- Low-loss microwave and millimeter wave cable from .047" to .277"
- Vertical or edge launch solderless compression mount board connectors for test and measurement applications
- Soldered push-on board connectors for high-density, blind-mate applications
- Between-series and in-series adaptors designed for well-performing VSWR



NEXT GEN RF CABLE ASSEMBLIES

- Phase and insertion loss stable microwave/millimeter wave cables - **Orange is the New Cable!**
- Optimized coaxial structure to meet increased demands placed on the Aerospace, Defense, Datacom, Computer/Semi and Instrumentation markets
- Cable construction designed to support extended frequency ranges for emerging applications
- Next gen cable provides improved IL performance vs. industry standard cable at the extended frequency range
- Interface options include 1.00 mm, 1.35 mm, 1.85 mm, 2.40 mm, 2.92 mm, SMPM, SMP, SMA, N Type and TNCA



FLEXIBLE WAVEGUIDE

- Innovative technology that is flexible, easier to use and lower cost, while also maintaining low insertion loss, versus traditional metallic rigid waveguides
- E-Band frequency range of 60 to 90 GHz in development
- Flexible cable construction with dynamic stability
- Less signal loss than standard microwave coax cable
- Ultra-small form factor with threaded coupling and stripline routing

