

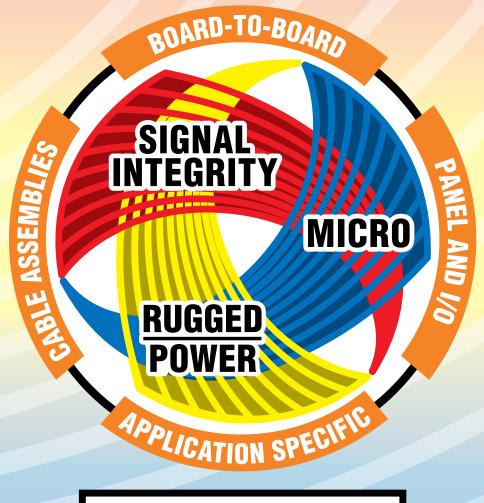




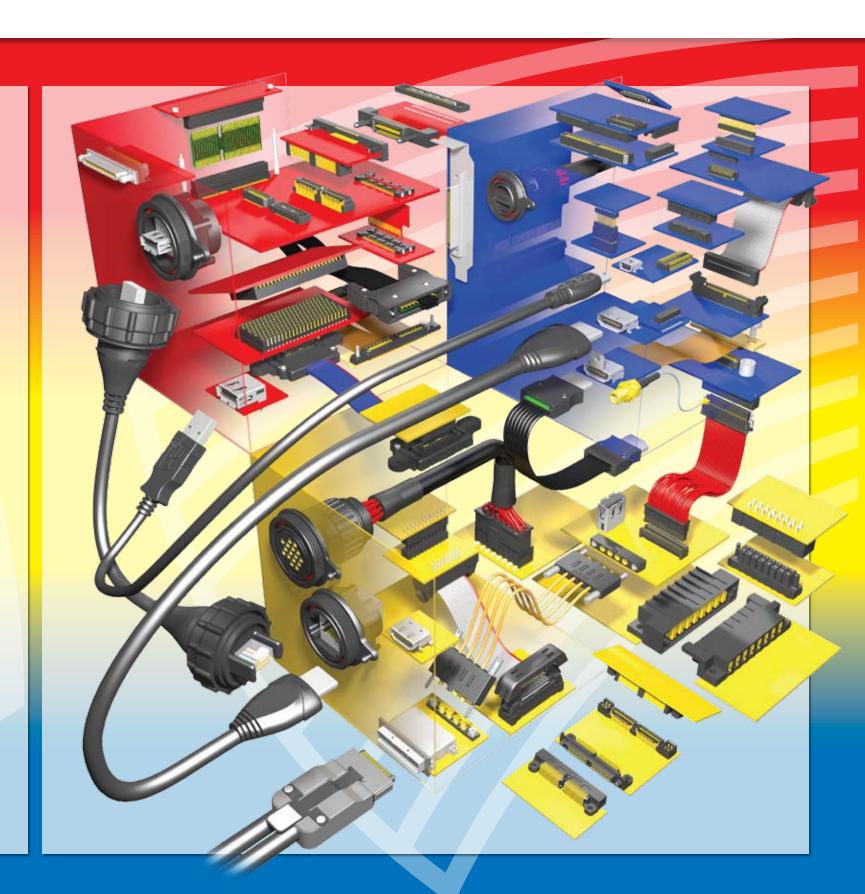
Samtec Interconnect Capabilities

Whether you need high speed Signal Integrity cables and connectors, Micro interconnect flexibility, or Rugged and Power systems, you will love Samtec's standard, off-the-shelf interconnect solutions.

And for the ultimate in design flexibility, Samtec also offers the unique ability to weave these products and features together for "mix-and-match" Application Specific solutions to fit all your Cable, Board-to-Board and Panel & I/O Applications.



SUDDEN SERVICE



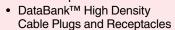


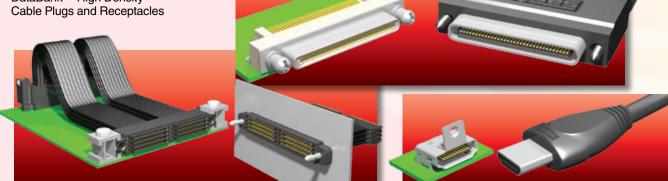
Signal Integrity Systems

Board-to-Board • High Speed Connectors High Density Arrays сиять пинининини • Shielded & Rugged Systems Rugged Connector Systems Horizontal and Perpendicular Interfaces Elevated Riser Cards ***** and Connectors Mixed Technology Footprint









Rugged Systems

Board-to-Board • Flexible Stacking Systems Micro Blade & Beam · One Piece Interfaces Micro Pin & Socket • Standard & Low Profile Headers and Sockets · High Density, Shrouded & Skyscraper • High Speed Micro Card & Edge Card Systems







Micro Systems

Board-to-Board Power Sockets & TerminalsPower/Signal combinations One Piece Interfaces Hermaphroditic Systems High Speed Board-to-Board Tiger Eye™ Contacts **Cable Assemblies**



Panel and I/O

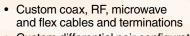
- AccliMate[™] Sealed (IP68) Circular Cable Plugs and Receptacles
- High Speed I/O Cable Plugs and Receptacles
- RF Cable Plugs and Receptacles
- Specialty Mod Jacks
- I/O Cable Plugs and Receptacles





Application Specific

Signal Integrity Systems



- Custom differential pair configurations
- Ferrite shielding
- Elevated stack heights



Micro Systems

- · Pin modifications including hot pluggable, special crimps and angles, modified footprints and selective loading
- Body modifications including custom materials, pick-and-place pads, shrouds, alignment pins and screen printing
- · One piece interfaces
- · Custom flex and IDC



Rugged Systems

- · Automotive interconnects
- Power enhancements
- · Special bodies and pins
- · Hardware enhancements including latches, alignment features, screw-down brackets and captive screws





Signal Integrity Services

- Application Specific services for design, modeling and testing of full or sub-system
- Samtec involvement available at various levels
- Specific services tailored to your needs and products
- Extensive modeling, simulation and testing capabilities including de-embedding services



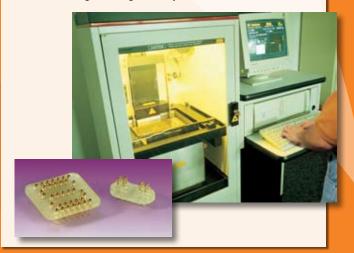
Platings, Coax Cables & Flex Circuits

- · In-house plating facilities for custom metals, thicknesses and selective platings
- In-house coax cable manufacturing for custom gauges, constructions and performance specifications
- In-house flex circuit manufacturing for custom designs and high speed specifications



Testing & Development

- SMT lab for processing studies
- Stereolithography for mechanical studies
- Quick-turn prototype capabilities
- In-house mold design and fabrication
- Quick change tooling for easy modification



Signal Integrity Support

Integrated and accessible Signal Integrity services, support and reference for selection, development, simulation and testing of high speed systems for any application.

Signal Integrity Center

Online support and reference for selection, development, simulation and testing of high speed systems for any application.

- User friendly website
- High speed connector simulations, models, reports, drawings and searches
- · SPICE, IBIS models
- Online PADS/ORCAD Libraries and Support
- High speed characterization reports
- Time and frequency domain test data
- Bandwidth Performance Selector and Interactive Cable Builders
- Application Notes: reference designs that verify performance to industry standards
- · Cable Assembly Modeling
- Cable Performance Calculator
- High Speed Connector Selector
- White Papers, Presentations, Articles

Signal Integrity Group

Personal SI support for questions that cannot be answered via the Signal Integrity Center.

- EE customer interface via in-house staff
- Design, modeling and testing of sub-systems
- · Application Specific services for design, modeling and testing of full or sub-system
- · Samtec involvement available at various stages of design
- · Specific services tailored to your needs and products
- Extensive modeling, simulation and testing capabilities
- · De-embedding capabilities

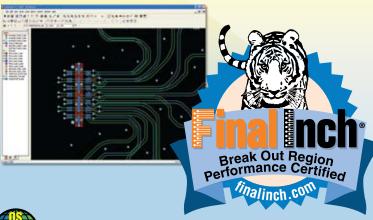
Final Inch® PCB Design Tools

- Break Out Region (BOR) PCB designs that save design, development and validation time and resources and predict real-world performance expectations in real-world signal integrity applications
- · Downloadable art files
- Downloadable HSPICE simulations
- Test and evaluation kits
- · Empirical signal integrity data
- "On-Request" test data









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