Rugged contact systems, flexible power interconnects and rugged signal integrity combined with ultra-rugged offerings, create the foundation of Samtec's micro rugged solutions for high cycle, high speed and high power applications.

Additional testing for severe environments ensures products are more than suitable for military, space, automotive, industrial and other extreme applications. Samtec's rugged products are offered in conjunction with full engineering support, online tools and a service attitude that is unmatched in the connector industry.
RUGGED CONTACT SYSTEMS
Tiger Eye™ contact system for high-reliability in rugged applications
1,000+ mating cycles
0.80 mm to 2.00 mm pitch
Board-to-board, discrete wire and IDC cable assemblies

RUGGED SIGNAL INTEGRITY SYSTEMS
Edge Rate™ contact system for rugged signal integrity performance
Performance to 56 Gbps PAM4
0.50 mm, 0.635 mm and 0.80 mm pitch
Edge card and ultra-micro connectors

FLEXIBLE POWER SYSTEMS
Ultra-micro power to 18 A and incredible design flexibility
Individually shrouded contacts
Small form factor, high power systems to 60 A
Board-to-board and cable assemblies

ULTRA RUGGED SOLUTIONS
Ultra rugged power I/O systems
Ultra rugged hardware and standoffs
Ultra rugged testing (SET, E.L.P™, DQT)

Rugged Features and Contact Systems .............................................................. 20
Sealed I/O Systems ......................................................................................... 21
Power Integrity & Custom Solutions ............................................................... 22
Full System Support ....................................................................................... 23
RUGGED TIGER EYE™ SYSTEMS

HIGH-RELIABILITY • MULTI-FINGER BeCu CONTACT • HIGH MATING CYCLES

2.00 mm PITCH TIGER EYE™

- Tiger Eye™ is Samtec’s most rugged contact system rated to 1,000+ mating cycles
- Wide range of stack heights
- Right-angle mating headers available
- Optional screw downs, weld tabs and locking clips
- Discrete wire assemblies available in 24-30 AWG PVC or Teflon® wire; contact asp@samtec.com for custom solutions

Metal latching and screw down options

Surface mount or through-hole

Right-angle available

Variety of stack heights

Optional strain relief and variety of wiring options

Components (ISD2/CC81) & tooling available: samtec.com/tooling
TIGER EYE™ CONTACT SYSTEM

- Multi-finger design with several points of contact for high-reliability
- Smooth, flat mating area increases mating cycles and lowers contact resistance
- Heat-treated BeCu for the best combination of mechanical and electrical properties
- Surface mount, micro slot tail increases solder surface area for higher joint strength

1.27 mm PITCH TIGER EYE™

- Screw down, locking clip, friction latching and weld tab ruggedizing options
- Shrouded, polarized and keyed
- Discrete wire assemblies available in single or double row, 28 and 30 AWG PVC or Teflon® wire; contact asp@samtec.com for custom solutions
- Cable components (ISDF/CC03) and tooling available

Dupont® Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.
0.80 mm PITCH TIGER EYE™

- Micro pitch and slim body for space-savings
- 6 mm, 7 mm and 10 mm stack heights
- Locking clip, alignment pins and weld tab ruggedizing features
- Discrete wire assembly available with 32 AWG Teflon® wire; contact asp@samtec.com for custom solutions
- Extended Life Product™ testing available
RUGGED MICRO MATE™ SYSTEMS

SPACE-SAVING • DESIGN FLEXIBILITY • HIGH-RELIABILITY

MICROMATE™

1.00 mm PITCH MICRO MATE™ SYSTEMS

- Crimp-style dual leaf contact system for reliable wire-to-board connection
- 28 and 30 AWG wire options in PVC or Teflon®
- Rugged positive latching for increased retention
- Socket or terminal, single or double row assemblies
- Vertical and right-angle mating headers

Components (ISS1, ISD1/CC09; IST1, IDT1, ISP1, IDP1/TC37) and tooling available: samtec.com/tooling

Custom solutions available (twisted pair cable shown); contact asp@samtec.com

Dual leaf contact system for a reliable connection
RUGGED SI EDGE RATE® SYSTEMS

OPTIMIZED FOR SI PERFORMANCE • INCREASED CONTACT WIPE • HIGH CYCLES

0.50 mm PITCH EDGE RATE®
- 1.00 mm contact wipe for a reliable connection
- Rugged friction locks and weld tabs available
- Up to 40% PCB savings vs. ERM8/ERF8
- Compatible with mPOWER® for flexible power/signal solutions

Stack Height Flexibility (in mm)

| 7 | 9 | 10 | 11 | 12 |

0.635 mm PITCH SLIM BODY EDGE RATE®
- Extremely slim 2.5 mm body width
- Up to 120 positions in a 2-row design
- 5 mm stack height with others in development
- Compatible with mPOWER® for flexible power/signal solutions

ERF6 shown at 40 total positions

2.50 mm

17.46 mm

J lead for ease of processing

ERM6/ERF6

Signal/power combination with mPOWER®

ERM5/ERF5

Stack height available

12 mm stack height

7 mm stack height

Samtec.com/edgerate
**EDGE RATE® CONTACT SYSTEM**

- Smooth milled mating surface reduces wear and increases durability
- Lower insertion and withdrawal forces
- Robust when “zippered” during unmating
- Minimized parallel surface area reduces broadside coupling and crosstalk
- Designed, simulated and optimized for 50 Ω and 100 Ω systems

---

0.80 mm PITCH EDGE RATE®

- 1.50 mm extended wipe
- Rugged metal latching for increased retention force
- 360° shielding option reduces EMI
- Compatible with mPOWER® for flexible power/signal solutions
- Cost-effective metal solder lock in development for a more secure connection to the board

---

Stack Height Flexibility (in mm)

<table>
<thead>
<tr>
<th>Height (in mm)</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stack Height</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

samtec.com/edgerate
RUGGED SI EDGE CARD

UP TO 56 Gbps PAM4 • CHOICE OF PITCH • EDGE RATE® CONTACTS

0.60 mm, 0.80 mm & 1.00 mm PITCH SYSTEMS
• High-speed Edge Rate® contact system
• Vertical, right-angle and edge mount
• Power/signal combo to 60 A per power bank
• 56 Gbps with differential pair (HSEC8-DP)
• Misalignment mitigation (HSEC1-DV)

HIGH-DENSITY EDGE CARD
• Justification beam enables use of standard PCB tolerance
• 0.50 mm ultra-fine pitch with up to 300 total I/Os
• PCIe® 4.0 capable

MICRO EDGE CARDS
• 0.635 mm, 0.80 mm, 1.00 mm, 1.27 mm and 2.00 mm pitch
• Optional rugged weld tabs, board locks and solder locks
• Solutions for 1.60 mm (.062") and 2.36 mm (.093") thick cards

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

HIGH-DENSITY • HIGH-RETENTION CONTACTS • SLIM ROW-TO-ROW DESIGNS

HERMAPHRODITIC RAZOR BEAM™ INTERFACES

• High-retention, high-speed Razor Beam™ contacts
• 0.50 mm, 0.635 mm and 0.80 mm pitch
• EMI shielding available to limit signal degradation and optimize performance

FLOATING CONNECTORS

• Provides 0.50 mm contact float in the X and Y axes to compensate for misalignment
• 5 mm and 7 mm stack heights
• Micro 0.50 mm pitch

ONE-PIECE INTERFACES

• Robust design and mechanical hold-downs for high-shock and vibration applications
• Optional rugged weld tabs and locking clips
• 1.00 mm, 1.27 mm and 2.54 mm pitch designs

LSHM shown at 40 total positions

Right-angle available
FLEXIBLE POWER
ULTRA MICRO POWER

18 A PER BLADE • MICRO 2.00 mm PITCH • DESIGN FLEXIBILITY

2.00 mm PITCH mPOWER®
• Design flexibility as a power-only system or a two-piece system for power/signal applications
• Use with Samtec’s high-speed connector systems for a unique power/signal system (see chart)
• Tin or 10 µ” Gold plated power blades; 30 µ” Gold plating available to meet specific regulations

• Latch option for mating with cable assembly
• Standard creepage (2.20 mm) and clearance (1.65 mm)
• Cable components (IMPC/CC489) and tooling available
• Selectively loading contacts achieves customer specific creepage and clearance requirements; contact asp@samtec.com

mPOWER®

UMPT/UMPS
2 – 10 positions
5-20 mm stack heights available
Optional weld tabs
Vertical or right-angle

UMPT-RA/UMPS

UMPC/UMPT-RA
Plastic top latch or metal side latches

UMPT shown at 4 total positions

samtec.com/mpower
### POWER/SIGNAL MATED HEIGHTS

<table>
<thead>
<tr>
<th>SIGNAL CONNECTOR</th>
<th>MATED HEIGHT (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
</tr>
<tr>
<td>ADM6/ADF6</td>
<td>X</td>
</tr>
<tr>
<td>BTE/BSE</td>
<td>X</td>
</tr>
<tr>
<td>BTH/BSH, BTS/BSS</td>
<td>X</td>
</tr>
<tr>
<td>ERM5/ERF5</td>
<td>X</td>
</tr>
<tr>
<td>ERM6/ERF6</td>
<td>X</td>
</tr>
<tr>
<td>ERM8/ERF8</td>
<td>X</td>
</tr>
<tr>
<td>LPAM/LPAF</td>
<td>X</td>
</tr>
<tr>
<td>QMS/QFS</td>
<td></td>
</tr>
<tr>
<td>QRM8/QRF8</td>
<td>X</td>
</tr>
<tr>
<td>QTE/QSE, QTH/QSH</td>
<td>X</td>
</tr>
<tr>
<td>QTS/QSS</td>
<td>X</td>
</tr>
<tr>
<td>SEAM/SEAF</td>
<td>X</td>
</tr>
<tr>
<td>SEAM8/SEAF8</td>
<td></td>
</tr>
<tr>
<td>ST4/SS4</td>
<td>X</td>
</tr>
<tr>
<td>ST5/SS5</td>
<td>X</td>
</tr>
<tr>
<td>TEM/SEM</td>
<td>X</td>
</tr>
</tbody>
</table>

### CURRENT SPECIFICATIONS

**CURRENT RATING (PER CONTACT)**

<table>
<thead>
<tr>
<th>PINS</th>
<th>-T</th>
<th>-G</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>18.3 A</td>
<td>16.2 A</td>
</tr>
<tr>
<td>2</td>
<td>14.5 A</td>
<td>14.6 A</td>
</tr>
<tr>
<td>3</td>
<td>14.2 A</td>
<td>12.6 A</td>
</tr>
<tr>
<td>4</td>
<td>12.9 A</td>
<td>12.3 A</td>
</tr>
<tr>
<td>5</td>
<td>12.9 A</td>
<td>N/A</td>
</tr>
<tr>
<td>10</td>
<td>N/A</td>
<td>9.4 A</td>
</tr>
</tbody>
</table>

Ratings are derated 20% with 30 °C rise to the maximum allowable temperature.

### CREEPAGE & CLEARANCE

<table>
<thead>
<tr>
<th>UMPT/UMPS</th>
<th>CREEPAGE</th>
<th>CLEARANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2.20 mm</td>
<td>1.65 mm</td>
</tr>
</tbody>
</table>

Selectively loading contacts achieves customer specific creepage and clearance requirements. Contact asp@samtec.com

### POWER SIMULATION

Samtec now offers power simulation that can calculate temperature increase in the connector area. Contact MicroRuggedGroup@samtec.com for more details.

### PRODUCT ROADMAP

**Cable-to-Cable System**

Shown: 4 Position Cable Assemblies with high-temperature Teflon® cable

**POSITIONS**

2, 3, 4, 5, 6, 7, 8, 9, 10

**OPTIONS**

Teflon® cable and rugged latching
FLEXIBLE POWER
HIGH-POWER

SMALL FORM FACTORS • 10–60 A PER PIN/BLADE • INDIVIDUALLY SHROUDED CONTACTS

MINI MATE® & POWER MATE®

• Individually shrouded contacts for electrical and mechanical protection
• .100” (2.54 mm) and .165” (4.19 mm) pitch
• Discrete wire assemblies with 16-30 AWG PVC or Teflon® wire
• Selectively loading contacts achieves customer specific creepage and clearance requirements; contact asp@samtec.com

<table>
<thead>
<tr>
<th>Component</th>
<th>Creepage</th>
<th>Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPT1/IPS1 MMSS(T)/MMSD(T)</td>
<td>2.55 mm</td>
<td>1.91 mm</td>
</tr>
<tr>
<td>IPBT/IPBS PMSDT/IPBT</td>
<td>4.27 mm</td>
<td>3.05 mm</td>
</tr>
</tbody>
</table>

EXTREME POWER

• AC or DC power, AC-DC combos and split power options (ET60T/ET60S)
• High-density, double stacked power blades (LPHT/LPHS)
• Selectively loading contacts achieves customer specific creepage and clearance requirements; contact asp@samtec.com

<table>
<thead>
<tr>
<th>Component</th>
<th>Creepage</th>
<th>Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPHT/LPHS</td>
<td>5.63 mm</td>
<td>2.69 mm</td>
</tr>
<tr>
<td>ET60T/ET60S</td>
<td>3.02 mm</td>
<td>1.87 mm</td>
</tr>
</tbody>
</table>

Metal or plastic rugged latching system
Components and tooling available
Rugged guide posts
Low 7.5 mm profile design
3 or 5 signal rows in the same form factor

POWERSTRIP™ SYSTEM

- 23.5 A/blade to 58.7 A/blade (1 blade powered)
- 5.00 mm and 6.35 mm pitch
- Discrete wire assemblies with 10-16 AWG wire
- Selectively loading contacts achieves customer specific creepage and clearance requirements; contact asp@samtec.com

<table>
<thead>
<tr>
<th></th>
<th>CREEPAGE</th>
<th>CLEARANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET/PES/PETC/</td>
<td>3.66 mm</td>
<td>3.31 mm</td>
</tr>
<tr>
<td>PESC/PESS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MPT/MPS/MPTC/</td>
<td>2.95 mm</td>
<td>2.71 mm</td>
</tr>
<tr>
<td>MPSC/MPSS/MPPT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UPT/UPS/UPPT</td>
<td>5.80 mm</td>
<td>1.51 mm</td>
</tr>
</tbody>
</table>

Discrete wire components (IMSS, IMSC5/CC46, CC81; IPS6/CC10) and tooling available: [samtec.com/tooling](http://samtec.com/tooling)

“Hinging” for 90° mating radius, ideal for blind mating (FMPT/FMPS)

Hermaphroditic power system with rugged screw downs (MPPT, UPPT)
ULTRA RUGGED
I/O SYSTEMS

HIGH-RELIABILITY • HIGH CYCLE • SMALL FORM FACTOR

RUGGED POWER
I/O SYSTEMS

- Four points of contact for an extremely reliable connection
- Micro 1.00 mm pitch
- Up to 40 positions per row
- Cable-to-cable & cable-to-board solutions
- EMI shielding to limit signal degradation and optimize performance
- Through-hole or surface mount
- 28 and 30 AWG cable
- Currently in development; for more information contact MicroRuggedGroup@samtec.com

Shown at 20 total positions
Hyperboloid-type contact for extreme high mating cycles

Extreme density with up to 1,550 total I/Os in a 1RU panel (31 cables at 50 total I/Os each)
ULTRA RUGGED HARDWARE

STACK HEIGHT FLEXIBILITY • MISALIGNMENT MITIGATION • RUGGED MATERIALS

GUIDE POST STANDOFFS (GPSO)

- Allows for 0.035" of initial misalignment
- Assists with “blind mate” for ultra micro, fine pitch mezzanine connectors
- Pairs well with NVAM/NVAF, APM6/APF6, ADM6/ADF6 and UMPT/UMPS

JACK SCREW PRECISION STANDOFFS (JSO)

- Reduces risk of component damage
- Assists with unmating of high-normal force connectors like LSHM, SEAM/SEAMF, SEAM8/SEAF8 and LPAM/LPAF

PRECISION STANDOFFS (SO)

- Precision machined tolerances (+/- 0.002" (0.05 mm))
- Ideal for use with all Samtec high-speed connectors
- Standard nylon thread locking compound

GPSO: Alignment starts before connectors engage
ULTRA RUGGED TESTING

SEVERE ENVIRONMENT TESTING

Severe Environment Testing (SET) is a Samtec initiative to test products beyond typical industry standards and specifications for performance confidence in rugged/harsh environment industries. These products undergo additional testing, inspired by military standards, to ensure they are more than suitable for military, space, automotive, industrial and other extreme applications.

SET qualified products are Commercial Off-the-Shelf (COTS) and modified COTS for incredible design flexibility to get solutions to market faster. Visit samtec.com/SET or contact SET@samtec.com for additional information and current available test results.

SET TESTING INCLUDES

• Mating/Unmating/Durability
• Mechanical Shock/Random Vibration/LLCR & Nanosecond Event Detection
• Temperature Cycling
• Non-Operating Class Temperature
• DWV at Altitude
• Electrostatic Discharge (ESD)
• Outgassing

NASA

Samtec’s SET products are approved for NASA Class D missions that require high-reliability, quick-turn and cost-effective solutions for LEO and GEO satellites, SmallSats, CubeSats and other space exploration applications.

SET QUALIFIED PRODUCTS

SFM/TFM – Tiger Eye™ 1.27 mm Pitch Micro Rugged System
SEAF/SEAM – SEARAY™ High-Density Arrays
LSHM – Razor Beam™ Hermaphroditic Strips
SSM/TSM – .100" Pitch Square Post Header & Socket
FTSH/CLP – .050" Pitch Header & Socket
ERF8/ERM8 – Edge Rate® Rugged High-Speed Strips
S2M/T2M – Tiger Eye™ 2.00 mm Pitch Micro Rugged System
UMPS/UMPT – mPOWER® Ultra Micro Power Connectors
SEAF8/SEAM8 – SEARAY™ Ultra-High Density Arrays

Testing Now: Micro Mate™ and Tiger Eye™ Discrete Wire Systems, Micro Coax and Twinax Cable Assemblies, FireFly™ Copper Systems and AccliMate™ Sealed I/O Systems
EXTENDED LIFE PRODUCT™

E.L.P.™ products are tested to rigorous standards, which evaluate contact resistance in simulated storage and field conditions.

- 10 year Mixed Flowing Gas (MFG)
- High Mating Cycles (250 to 2,500)
- Certain plating and/or contact options will apply

For complete details about Samtec’s E.L.P.™ program, a list of qualifying products and test results, please visit samtec.com/ELP or email the Customer Engineering Support Group at ASG@samtec.com

DESIGN QUALIFICATION TESTING

All Samtec series undergo Design Qualification Testing (DQT), which includes:

- Gas Tight
- Normal Force
- Thermal Aging
- Mating/Unmating/Durability
- IR/DWV
- Current Carrying Capacity (CCC)
- Mechanical Shock/Random Vibration/LLCR
- Mechanical Shock/Random Vibration/Event Detection

TESTING REFERENCE CHART

<table>
<thead>
<tr>
<th>TEST</th>
<th>SET</th>
<th>E.L.P.™</th>
<th>DQT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Tight</td>
<td>X*</td>
<td>X*</td>
<td>X</td>
</tr>
<tr>
<td>Normal Force</td>
<td>X*</td>
<td>X*</td>
<td>X</td>
</tr>
<tr>
<td>Thermal Aging</td>
<td>X*</td>
<td>X*</td>
<td>X</td>
</tr>
<tr>
<td>Mating / Unmating / Durability (240 Hrs)</td>
<td>X (100% RH, 250 Cycles)</td>
<td>X* (90-98% RH, 100 Cycles)</td>
<td>X (90-98% RH, 100 Cycles)</td>
</tr>
<tr>
<td>IR / DWV</td>
<td>X (At Altitude of 70,000 Feet)</td>
<td>X*</td>
<td>X</td>
</tr>
<tr>
<td>CCC</td>
<td>X*</td>
<td>X*</td>
<td>X</td>
</tr>
<tr>
<td>Mechanical Shock / Random Vibration / LLCR &amp; Nanosecond Event Detection</td>
<td>X (40 G Peak, 11 ms, Half Sine &amp; 12gRMS, 5 - 2,000 Hz, 1 Hr / Axis)</td>
<td>X* (100 G Peak, 6 ms, Half Sine &amp; 7.56gRMS Avg, 2 Hr / Axis)</td>
<td>X (100 G Peak, 6 ms, Half Sine &amp; 7.56gRMS Avg, 2 Hr / Axis)</td>
</tr>
<tr>
<td>Temperature Cycling (500 Cycles)</td>
<td>X</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Non-Operating Class Temperature</td>
<td>X</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Electrostatic Discharge (ESD)</td>
<td>X</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>10 Year MFG (Mixed Flowing Gas)</td>
<td>N/A</td>
<td>X</td>
<td>N/A</td>
</tr>
<tr>
<td>Mating Cycles (250 to 2,500)</td>
<td>N/A</td>
<td>X</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Completed as part of initial Design Qualification Testing (DQT). E.L.P.™ and SET testing are performed in addition to DQT.
RUGGED FEATURES

OPTIONS FOR HIGH-RELIABILITY • HIGH-RETENTION • HIGH-CYCLE LIFE

RUGGEDIZING OPTIONS

- **POSITIVE LATCHING**
  Manually activated latches increase unmating force by up to 200%

- **FRICION LOCKS**
  Metal or plastic friction locks increase retention/withdrawal force

- **RETENTION PINS**
  Increase unmating force by up to 50%

- **BOARD LOCKS**
  Boards are mechanically locked together

- **WELD TABS**
  Significantly increase sheer resistance of connector to PCB

- **GUIDE POSTS**
  Easy and secure mating

- **SHIELDING**
  360° shielding reduces EMI

- **SCREW DOWNS**
  Secure mechanical attachment to the board

CONTACT SYSTEMS

- **TIGER EYE CONTACT**
  - High-reliability
  - High Mating Cycles
  - Multi-finger Contact

- **TIGER CLAW CONTACT**
  - Dual Wipe Contact
  - Pass-through Applications
  - Ultra-low Profile

- **BLADE & BEAM CONTACT**
  - Mating/Alignment “Friendly”
  - Cost-effective

- **TIGER BEAM CONTACT**
  - Best Cost
  - Reliable Performance
  - Post & Beam Contact

- **EDGE RATE CONTACT**
  - Designed for Signal Integrity
  - Superior Impedance Control
  - Reduced Broadside Coupling
FLEXIBLE SEALED SYSTEMS

- IP67 miniature push-pull latching system with lightweight plastic shell
- IP68 bayonet-style latching circulars with metal or plastic shells and flexible configurations
- Cost-effective crimp version available
- Rectangular design for maximum panel area savings
- IP68 threaded circulars with rugged overmold design
- Right-angle and cable-to-cable options in development (ACX, CCX)
- Rectangular design for 25-45% panel area savings
- USB & Ethernet options ideal for data uploads/downloads
- Crimp 12 mm shell
- Rugged dust caps available

Kitted components for efficient field assembly (ACP/ACRK)
POWER INTEGRITY SERVICES

- Standard power test data, including current carrying capacity, working voltage, voltage drop and resistance, creepage and clearance, is available for select power systems.
- Current Cycling Test Data, which demonstrates connector performance in realistic and common applications, is available for select series.
- Power Integrity Guidelines are based on test data and proven design parameters, designed to help in connector selection and PCB design maximization.
- Power Integrity Certified products undergo testing and additional requirements unique to Samtec. Products must pass Current Cycling Test EIA 365-55, have current carrying capacity, resistance vs. number of contacts data available and Power Integrity Guidelines developed.

Visit samtec.com/powerintegrity to learn more.

FLEXIBLE RUGGED SOLUTIONS

- Full engineering, design and prototype support.
- Design, simulation and processing assistance.
- Quotes and samples turned around in 24 hours.
- Dedicated Application Specific Product engineers and technicians.
- Custom options for board level connectors and cable assemblies including: contacts, bodies, stamping, plating, wiring, molding, ruggedizing features and more.

FLEXIBLE DISCRETE WIRE SOLUTIONS

- Variety of end 2 options.
- Nylon woven sleeves.
- Twisted pairs.
- Heat shrink.
- Color coding.
- Selectively populated.
- Barrel crimp.
- Ring/spade lug terminal.
- Break out.
- Panel mount.
- Sealed.
- Harness style crimp.

Contact Customer Engineering Support at asp@samtec.com for express modifications or engineered customs.
Samtec is structured like no other company in the interconnect industry. We work in a fully integrated capacity that enables true collaboration and results in uniquely innovative products because our technology teams are not limited by the boundaries of traditional business units.

Samtec’s integrated approach provides high-level design and development of advanced interconnect systems and technologies, along with industry-leading expertise that allows us to offer effective strategies and support for optimizing the entire signal channel of high-performance systems.

Visit samtec.com/tech-centers for more information.