Bringing Highspeed Connectors & Cables to Market
OUR PURPOSE

WE CREATE A SAFER, SUSTAINABLE, PRODUCTIVE AND CONNECTED FUTURE.

ADVANCING THE FUTURE OF TRANSPORTATION
MAKING FACTORIES & HOMES SMARTER
ENABLING GLOBAL COMMUNICATION NETWORKS
REVOLUTIONIZING MEDICAL TECHNOLOGY
Leading in Innovation

CNBC IQ100 INDEX
RECOGNIZED AS INNOVATION LEADER

FAST COMPANY CHINA’S MOST INNOVATIVE

TOP 100 GLOBAL INNOVATORS

14K+ PATENTS
granted or pending

$650M+ Investment in Research, Development, and Engineering

7K+ ENGINEERS
globally

20% of sales from new products

All figures from FY17
Ethernet Connectivity Product Portfolio

Every Connection Counts
DATA CENTER SERVERS

Servers are the heart of the data network. TE Connectivity (TE) offers the solutions you need to keep your servers running. Our backplane, board-to-board, I/O, power and copper cable solutions help enable server architectures that address industry needs of higher bandwidth and improved thermal management. We offer a complete portfolio of complementary products and agile system expertise to help you optimize the design of your server configuration whether blade, rack mount or sleds. In addition to solutions for disaggregated systems, we can extend your reach, reduce your power consumption, and increase speed and density to address the demands of always-connected data centers.

FIND OUT MORE

tecom/serversolutions
### HIGH SPEED BACKPLANE
Build your system with our backplane solutions that can provide high-speed and scalability.

- **STRADA Whisper Connectors**
  Transfer data at speeds of 25 Gbps with scalability up to 56 Gbps—upgrade without costly backplane redesigns.

- **IMPACT Connectors**
  This system is available in two designs providing flexibility to optimize for advanced mechanical and electrical performance.

- **Z-PACK Slim UHD High-Speed Connectors**
  Designed to be among the densest connectors with the smallest possible footprint to free up valuable PCB space.

- **Z-PACK HM-Zd Plus Connectors**
  Reduce noise and system crosstalk with this double-ground design.

### INTERNAL INTERCONNECTS
Our latest high-speed, high-density interconnects support a range of server configurations.

- **M.2 NGFF**
  Save more than 20% of PCB real estate compared to the PCI Express Mini Card.

- **Free Height Connectors**
  These versatile connectors are useful for downsizing applications that require parallel stacked circuit boards.

- **Fine Pitch Board-to-Board (BTB)**
  0.4 mm pitch plus new shielded board-to-FPC solution.

- **Mini CT Connectors**
  Miniature wire-to-board connectors that feature a compact pitch design.

- **Sliver Interconnects**
  Flexible, robust & provides optimal signal integrity, while also saving space and lowering design costs.

### INPUT/OUTPUT (I/O)
Maximize your density & speed with our pluggable I/O products which support standard interfaces.

- **microQSFP**
  Provides 12 channels of 12.5 Gbps data rates for 150 Gbps of total bandwidth in one-piece press-fit assembly.

- **SFP/SFP+/zSFP+**
  SFP interconnects support data rates up to 28 Gbps. Many cage configurations offered provide excellent shielding options.

- **QSFP/QSFP+/zQSFP+**
  The quad small form factor pluggable (QSFP) portfolio of interconnects offers a large range of simple and customizable design options up to 28 Gbps.

- **Mini-SAS HD Connectors**
  Designed to provide next-generation speeds for both internal and external applications.

### POWER
From bus bar to cable, hot-pluggability and blind mating—solutions for almost any server configuration.

- **MULTI-BEAM XLE Connectors**
  This hot pluggable series is a space saver with slim guide sockets and vented housing for better heat dissipation.

- **ELCON Mini Power Connectors**
  Low profile solutions with up to 40A per contact and positive latch retention for cable-to-PCB applications.

- **QSP Power Cable Assemblies**
  Provides efficient and reliable power distribution and quick installation in a plug-and-play design.

- **OCP Power Cable Assemblies**
  Supports the latest standards for 25 Gbps and beyond. Custom solutions available.

- **QSFP28 Copper Cables**
  With 8 differential pairs, these assemblies provide 4 channels at speeds up to 28 Gbps each.

- **QSFP+ 33AWG Cables**
  Fine wire cable that’s ultra-thin, lightweight & highly flexible for high density intra-rack applications.

### MEMORY & SOCKETS
Meet the increased performance demands of server memory and hard disk drive (HDD) applications.

- **SATA**
  Alignment-free and slant insertion styles provide solutions for PCB space saving.

- **DDR4 DIMM Connectors**
  Space savings, reduced height, improved power consumption, and higher data rates than the DDR3.

- **Land grid array (LGA) Sockets**
  Socket technology for microprocessor packages up to 3647 positions.

### COPPER CABLE ASSEMBLIES
Supporting the latest standards for 25 Gbps and beyond. Custom solutions available.

- **QSFP28 Copper Cables**
  With 8 differential pairs, these assemblies provide 4 channels at speeds up to 28 Gbps each.

- **QSFP+ 33AWG Cables**
  Fine wire cable that’s ultra-thin, lightweight & highly flexible for high density intra-rack applications.
DATA CENTER STORAGE

STORAGE SOLUTIONS THAT GROW WITH YOUR DEMAND.

As the Internet of Things (IoT) expands and the growing connected world generates exponentially more data, efficient and reliable storage solutions become even more critical within the data center. Whether you are designing to scale up or scale out with your data center storage solutions, TE connectivity (TE) has a broad range of input/output (I/O), board-to-board, power products and more to help you achieve your storage performance objectives. We combine innovation and quality, dependable products with the flexibility to deliver storage interconnect solutions practically anywhere in the world. We are your partner for creating the solutions that meet the demand of the next generation of our data-driven world.

FIND OUT MORE
tecom/storagesolutions
### INTERNAL INTERCONNECTS

Our latest high-speed, high-density connectors support a variety of storage designs.

| Silver Interconnects | Flexible, robust & provides optimal signal integrity, while also saving space and lowering design costs.
|----------------------|---------------------------------------------------------------|
| M.2 NGFF Connectors  | Save more than 20% of PCB real estate compared to the PCI Express Mini Card.
| Free Height Connectors| These versatile connectors are useful for downsizing applications that require parallel stacked circuit boards.
| STRADA Mesa Connectors| These mezzanine connectors have a pin and socket signal design and offer integrated power contacts.

### INPUT/OUTPUT (I/O)

Maximize your density & speed with our pluggable I/O products which support standard interfaces.

| SFP/SFP+/zSFP+ | SFP interconnects support data rates up to 28 Gbps. Many cage configurations offered provide excellent shielding options.
| QSFQ/QSF+/zQSF+ | The quad small form factor pluggable (QSFQ) portfolio of interconnects offers a large range of simple and customizable design options up to 28 Gbps.
| Mini-SAS HD Connectors | Designed to provide next-generation speeds for both internal and external applications.
| RJ point five Connectors | This next-gen Ethernet link offers higher density solutions for a competitive total cost of ownership per port.

### HIGH SPEED BACKPLANE

The right backplane solution provides high-speed and critical scalability for growing data demand.

| STRADA Whisper Connectors | Transfer data at speeds of 25 Gbps with scalability up to 56 Gbps—upgrade without costly backplane redesigns.
| IMPACT Connectors | This system is available in two designs providing flexibility to optimize for advanced mechanical and electrical performance.
| Z-PACK Slim UHD High-Speed Connectors | Designed to be among the densest connectors with the smallest possible footprint to free up valuable PCB space.
| Z-PACK TinMan Connectors | A proven performer now with reduced impedance.

### MEMORY & SOCKETS

We have a range of solderless, compression-mount sockets and the latest in memory connectors.

| DDR4 DIMM | Space savings, reduced height, improved power consumption, and higher data rates than the DDR3.
| Land grid array (LGA) Sockets | Socket technology for microprocessor packages up to 3647 positions.
| SATA Connectors | Alignment-free and slant insertion styles provide solutions for PCB space saving.
| SAS Connectors | These mainstream storage solutions are designed to support differential signaling at speeds of up to 12 Gbps.

### POWER

Robust and reliable bus bar, cable, hot-pluggable and blind mating solutions for storage applications.

| MULTI-BEAM XLE Connectors | Space saving pluggable series with slim guide sockets and vented housing allows better heat dissipation.
| ELCON Mini Power Connectors | Low profile solutions with up to 40A per contact and positive latch retention for cable-to-PCB applications.
| RAPID LOCK Connectors | No install tools required for this fast, reliable replacement for power lugs.
| OCP Power Cable Assemblies | Provides efficient and reliable power distribution and quick installation in a plug-and-play design.

### COPPER CABLE ASSEMBLIES

| Copper Cables | Our copper cable assemblies are engineered for 25 Gbps and beyond. Custom cabling solutions are also offered.

STORAGE

Visit TE.com for more products and solutions for Data Center Storage.
TE Connectivity’s (TE) global experience in a wide range of connectivity applications helps our customers “design in” efficiency and agility into data center infrastructure and data center equipment. We have a full set of interconnect and cabling solutions to increase bandwidth, density and reliability for all types of telecommunications and enterprise routing and switching equipment.

We offer products for applications at 10, 25, 40, 100 and up to 400 Gbps to support converged internet protocol (IP) networks. Count on us to provide solutions to support your enterprise’s current and future demand for data, speed, and power efficiency.
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<th>INPUT/OUTPUT (I/O)</th>
<th>HIGH SPEED BACKPLANE</th>
<th>INTERNAL INTERCONNECTS</th>
<th>POWER</th>
<th>COPPER CABLE ASSEMBLIES</th>
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<tr>
<td>Maximize your density &amp; speed with our pluggable I/O products which support standard interfaces.</td>
<td>Provide high-speed and scalability for core, edge, Ethernet, and other applications across switches and routers.</td>
<td>Our latest high-speed, high-density interconnects support a range of switching and router designs.</td>
<td>Robust and reliable busbar, cable, hot-pluggable and blind mating solutions.</td>
<td>Supporting the latest standards for 25 Gbps and beyond. Custom solutions available.</td>
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<tr>
<td>microQSFP</td>
<td>STRADA Whisper Connectors</td>
<td>Fine Pitch Board-to-Board (BTB)</td>
<td>MULTI-BEAM XLE Connectors</td>
<td>QSFP28 Copper Cables</td>
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<tr>
<td>The next generation of pluggable I/O. These connectors provide a higher density with superior thermal performance.</td>
<td>Transfer data at speeds of 25 Gbps with scalability up to 56 Gbps—upgrade without costly backplane redesigns.</td>
<td>0.4 mm pitch plus new shielded board-to-FPC solution.</td>
<td>This hot pluggable series is a space saver with slim guide sockets and vented housing for better heat dissipation.</td>
<td>With 8 differential pairs, these assemblies provide 4 channels at speeds up to 28 Gbps each.</td>
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<tr>
<td>SFP/SFP+/2SFP+</td>
<td>IMPACT Connectors</td>
<td>Free Height Connectors</td>
<td>CROWN CLIP Connectors</td>
<td>QSFP+ 33AWG Cables</td>
</tr>
<tr>
<td>SFP interconnects support data rates up to 28 Gbps. Many cage configurations offered provide excellent shielding options.</td>
<td>This system is available in two designs providing flexibility to optimize for advanced mechanical and electrical performance.</td>
<td>These versatile connectors are useful for downsizing applications that require parallel stacked circuit boards.</td>
<td>Offers a low insertion/extraction force for high-current mating directly to a power bus bar.</td>
<td>Fine wire cable that’s ultra-thin, light weight &amp; highly flexible for high density intra-rack applications.</td>
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<tr>
<td>QSFP/QSFP+/2QSFP+</td>
<td>Z-PACK Slim UHD High-Speed Connectors</td>
<td>Z-PACK HM-Zd Plus Connectors</td>
<td>OCP Power Cable Assemblies</td>
<td>ETHERNET</td>
</tr>
<tr>
<td>The quad small form factor pluggable (QSFP) portfolio of interconnects offers a large range of simple and customizable design options up to 28 Gbps.</td>
<td>Designed to be among the densest connectors with the smallest possible footprint to free up valuable PCB space.</td>
<td>Reduce noise and system crosstalk with this double-ground design.</td>
<td>Provides efficient and reliable power distribution and quick installation in a plug-and-play design.</td>
<td>RJ45 Connectors</td>
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<tr>
<td>Mini-SAS HD Connectors</td>
<td>Sliver Interconnects</td>
<td>DDR4 DIMM Connectors</td>
<td>ELCON Mini Power Connectors</td>
<td>TE’s jacks and plugs offer reliable and space saving solutions for flexible and time-saving installation, even in harsh environments.</td>
</tr>
<tr>
<td>Designed to provide next-generation speeds for both internal and external applications.</td>
<td>Flexible, robust &amp; provides optimal signal integrity, while also saving space and lowering design costs.</td>
<td>Space savings, reduced height, improved power consumption, and higher data rates than the DDR3.</td>
<td>Low profile solutions with up to 40A per contact and positive latch retention for cable-to-PCB applications.</td>
<td>RJ point five Connectors</td>
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<td></td>
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<td>SLIVER Interconnects</td>
<td></td>
<td>This next-gen Ethernet link offers higher density solutions for a competitive total cost of ownership per port.</td>
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### Function
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<td>Fan, Actuator, Motor, Solenoid, Clutch</td>
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<td>Speaker, Microphone, Headphone</td>
<td>Low Def Display, Timer / LCD, LED/OLED / ELD, FPGA / TFT / VFD, Lights / Indicators</td>
<td>Disc Drive, Flash Drive, GPGPU, JBOD, JBOF, Storage Arrays, PCIe Risers</td>
</tr>
</tbody>
</table>

### End Applications
- **Wire-to-Board**
  - **Common Termination (CT) Connectors**
  - **Mini CT Connectors**
  - **High Performance Interconnects (HPI)**
  - **Flat Flexible Cable (FFC) Connectors**
  - **Flexible Printed Circuit (FPC) Connectors**
  - **AMP-LATCH Ribbon Cable Interconnects**
  - **Low Power Drawer Connectors**
  - **LCEDI Connectors**
  - **AMPSLIM Connectors**

- **Board-to-Board**
  - **Fine Pitch BTB Connectors**
  - **Free Height Connectors**

### Input/Output (I/O)
- **Input/Output (I/O)**
  - Product satisfaction depends on reliable I/O connectivity
  - **AMPLIMITE D-Sub Connectors**
  - **USB Connectors**
  - **CHAMP Docking Connectors**
  - **Mini-Spring Sockets**
  - **HDMI Connectors**
  - **DVI Receptacles**
  - **DisplayPort Connectors**
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<td>RAPID LOCK Connectors</td>
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End Applications

- Antennas and RF: Standard and custom high-performance antennas for operation on most networks in regional or international markets
- Embedded Antennas
- Custom Antennas
- Switching Coax
- Power: From internal and semi-internal to external power interconnects, TE keeps power flowing
- Universal MATE-N-LOK Connectors
- Power Double Lock Connectors
- Dynamic Connectors
- RAPID LOCK Connectors
- ELCON Mini Connectors
- Battery Connectors
- Micro Super Low Profile (SLP) Connectors
- Memory and Sockets: We have a range of solderless, compression-mount sockets and the latest in memory connectors
- SATA Connectors
- SO DIMM Sockets
- SAS Connectors
- Mini-SAS HD Connectors
- Silver Internal Cabled Interconnects
- Grounding / Shielding: TE’s miniaturized solutions help reduce and control the effect of EMI in complex systems
- Spring Finger Contacts
- Board Level Shielding (BLS)
- Sensors: Compact, reliable sensors can help bring your concepts to life
- Altimeter Sensors
- Pressure Sensors
- Position Sensors
- Temperature Sensors
- Humidity Sensors
- Piezo Film Sensors