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

TE connectivity

Leading in Innovation

CNBC IQ100 INDEX
RECOGNIZED AS INNOVATION LEADER

2016 中国最佳创新公司
TE Connectivity

FAST COMPANY CHINA'S MOST INNOVATIVE

TOP 100 GLOBAL INNOVATORS

Clarivate Analytics

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

≡TE connectivity

Ethernet Connectivity Product Portfolio

Input/Output

RF & Antenna

Cards & Sockets

Sensors

Cable & Cable Assembly

Every Connection Counts

Power

Board to Board

Cable Applied

ETE connectivity

DATA CENTER SERVERS

SOLUTIONS FOR A BROAD RANGE OF CONFIGURATIONS

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
te.com/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 150Gbps 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.

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

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 28Gbps each.

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

SERVERS   Visit TE.com for more products and solutions for Data Center Servers.

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connectivity

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
te.com/storagesolutions

>

INTERNAL INTERCONNECTS

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

Sliver 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.

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.

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.

Mini PCI Express and mSATA
Right angle, surface mount expansion card sockets for express mini cards or display mini cards.

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

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DATA CENTER SWITCHING AND ROUTERS

BANDWIDTH FOR THE NEXT GENERATION

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.

FIND OUT MORE
te.com/switchingandrouters
>

DATA AND DEVICES | SWITCHING AND ROUTERS

INPUT/OUTPUT (I/O)

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

microQSFP
The next generation of pluggable I/O. These connectors provide a higher density with superior thermal performance.

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.

HIGH SPEED BACKPLANE

Provide high-speed and scalability for core, edge, Ethernet, and other applications across switches and routers.

STRADA Whisper Connectors
Transfer data at speeds of 25 Gbps with scalability up to 56 Gbps—upgrade without costly backplane redesigns.
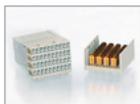
IMPACT Connectors
This system is available in two designs providing flexibility to optimize for advanced mechanical and electrical performance.

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 switching and router designs.

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.

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

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

POWER

Robust and reliable busbar, cable, hot-pluggable and blind mating solutions.

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

CROWN CLIP Connectors
Offers a low insertion/extraction force for high-current mating directly to a power bus bar.

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

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

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 28Gbps each.

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

ETHERNET

RJ45 Connectors
TE's jacks and plugs offer reliable and space saving solutions for flexible and time-saving installation, even in harsh environments.
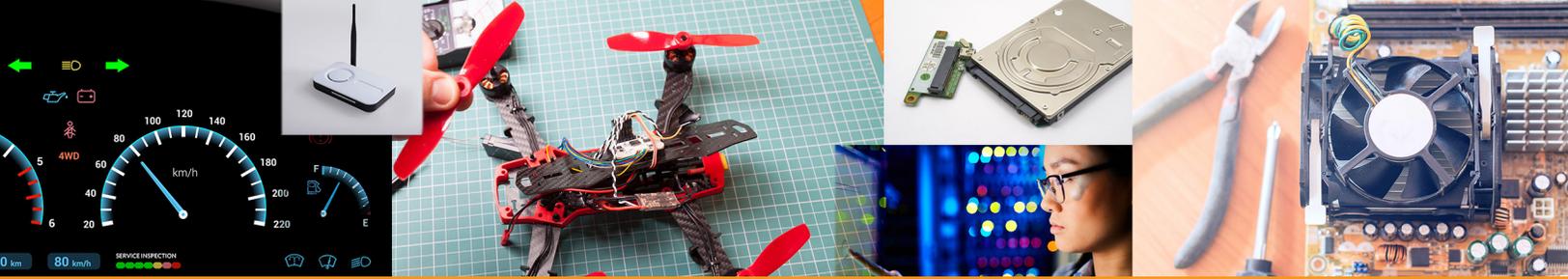
RJ *point five* Connectors
This next-gen Ethernet link offers higher density solutions for a competitive total cost of ownership per port.

SWITCHING AND ROUTERS   Visit TE.com for more products and solutions for Data Center Switching and Routers.

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PRODUCTS FOR SUB-APPLICATION FUNCTIONS

Function	Movement	Cooling / Rotary Systems	Wireless Connectivity	Sound	Display / Visuals	Storage / Memory
System Component Examples	Motor, Solenoid, Clutch, Actuator	Fan, Actuator, Motor, Solenoid, Clutch	Antennas, Grounding, Shielding	Speaker, Microphone, Headphone	Low Def Display, Timer / LCD, LED/OLED/ELD, HPA/TFT/VFD, Lights/Indicators	Disc Drive, Flash Drive, GPGPU, JBOD, JBOF, Storage Arrays, PCIe Risers
End Applications	Robots, Drones, Vacuum Cleaners, Toys	Data Center, Printers, PCs, BRE	Mobile Devices, "Smart" Products, Gaming Consoles, Routers, Wearables, Robots	Mobile Phones/Tablets, Portable Speakers, Infotainment, Home Audio, Clock Radios/Docks	BRE, Set Top Boxes, Appliances, Gaming Consoles, eReader Tablets, Mobile Phones	External HD, Internal HD, SSD, HDD
Wire-to-Board	TE offers a broad array of products for your wire-to-board requirements					
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	TE's board-to-board connectors meet today's industry requirements for high density packaging					
Fine Pitch BTB Connectors					●	
Free Height Connectors					●	
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					●	

TE connectivity

Function	Movement	Cooling / Rotary Systems	Wireless Connectivity	Sound	Display / Visuals	Storage / Memory
System Component Examples	Motor, Solenoid, Clutch, Actuator	Fan, Actuator, Motor, Solenoid, Clutch	Antennas, Grounding, Shielding	Speaker, Microphone, Headphone	Low Def Display, Timer / LCD, LED/OLED/ ELD, HPA/TFT/VFD, Lights/Indicators	Disc Drive, Flash Drive, GPGPU, JBOD, JBOF, Storage Arrays, PCIe Risers
End Applications	Robots, Drones, Vacuum Cleaners, Toys	Data Center, Printers, PCs, BRE	Mobile Devices, "Smart" Products, Gaming Consoles, Routers, Wearables, Robots	Mobile Phones/Tablets, Portable Speakers, Infotainment, Home Audio, Clock Radios/ Docks	BRE, Set Top Boxes, Appliances, Gaming Consoles, eReader Tablets, Mobile Phones	External HD, Internal HD, SSD, HDD
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						●
Sliver 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				●	●	

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DATA AND DEVICES /// PRODUCTS FOR SUB-APPLICATION FUNCTIONS

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EVERY CONNECTION COUNTS