



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

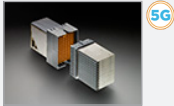
of complementary products and agile system expertise to help you optimize the design of your server configuration whether blade, rack mount or sleds. In addition to solutions for disaggregated systems, we can extend your reach, reduce your power consumption, and increase speed and density to address the demands of always-connected data centers.

FIND OUT MORE
te.com/serversolutions



HIGH SPEED BACKPLANE

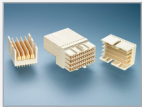
Build your system with our backplane solutions that can provide high-speed and scalability.



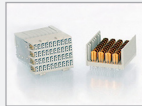
STRADA Whisper Connectors
Transfer data at speeds of 56 Gbps with a roadmap to 112 Gbps—upgrade without costly backplane redesigns.



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)

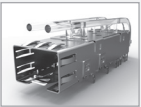
Maximize your density & speed with our pluggable I/O products which support standard interfaces.



OSFP
OSFP integrates thermal management directly into the form factor, eliminating the high thermal resistance between the module and the heat sink.



QSFP-DD
QSFP-DD doubles the density of QSFP and eight differential pairs capable of 50 Gbps each to achieve 400GbE while allowing existing QSFP modules to be plugged into the same cage.



SFP/SFP+/zSFP+
SFP interconnects support data rates up to 56 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 56 Gbps.



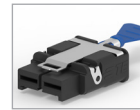
Mini-SAS HD Connectors
Designed to provide next-generation speeds for both internal and external applications.

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.



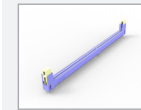
Power Bus Bar Cable Assemblies
Provides efficient and reliable power distribution and quick installation in a plug-and-play design.

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 10,000+ 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.

These solutions are helping to unlock the potential of 5G. Our portfolio of 5G solutions and capabilities address key challenges faced by design engineers around the world.*

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* 5G ready solutions may vary within a product family. Please refer to te.com or contact your TE sales representative for additional information.
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