



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, copper cable and fiber optic solutions help enable server architectures that address industry needs of higher bandwidth and improved thermal management. TE offers 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 always-connected data centers of today and tomorrow's increased demands.

FIND OUT MORE
te.com/serversolutions



HIGH SPEED BACKPLANE	INTERNAL INTERCONNECTS	MEMORY	INPUT/OUTPUT (I/O)	COPPER CABLE ASSEMBLIES
Backplane connectors are the backbone of your server. Build your system with TE 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.	TE's 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 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.  AMP Mini CT Connectors Miniature wire-to-board connectors that feature a compact pitch design.  STRADA Mesa Connectors These mezzanine connectors have a pin and socket signal design and offer integrated power contacts.	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.	TE's pluggable I/O connector and cages support Fibre Channel, InfiniBand and Ethernet standards in QSFP+, SFP+ and other for data rates up to 100G.  SFP/SFP+ SFP+ interconnect system supports data rates of 10 Gbps signal speeds and is backward compatible with SFP. Many cage configurations offered provide excellent shielding options.  QSFP/QSFP+ The quad small form factor pluggable (QSFP) portfolio of interconnects offers a large range of simple and customizable design options.  Mini-SAS HD Connectors Designed to provide next-generation speeds for both internal and external applications.  CXP Interconnects Provides 12 channels of 12.5 Gbps data rates for 150Gbps of total bandwidth in one-piece press-fit assembly.	Supporting the latest standards and engineered 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.
		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.  RAPID LOCK Connectors No install tools required for this fast, reliable replacement for power lugs.		OPTICS Broad set of active optical cables and transceivers.  Active Optics Our award-winning Coolbit optical engines: achieve high-speed while consuming extremely low power.