

INTRODUCING SAS/PCIE GEN 4 (U.2/U.3) CONNECTORS

- Higher data transfer speed
- Backward-compatibility



TE Connectivity's (TE) 4th generation SAS and PCIe receptacles (U.2/U.3) are 68-position PCB products which can offer good performance on speed, interface compatibility and system flexibility to address the needs of customers' next generation platforms and facilitate optimal performance of NVMe (Non-Volatile Memory Express) storage solutions.

KEY BENEFITS

- Enhanced data performance supports PCIe Gen 4 (16 GT/s), SAS 4.0 (24 Gbps) and tri-mode storage
- Interfaces are backward compatible to address SFF-8639 and are compatible to SFF-8630, SFF-8680 and SFF-8432 interfaces; backward compatible to 12G, 6G and 3G SAS and SATA connectors
 - No need for board design changes when using drives with different protocols
 - Easy implementation of high speed SSDs, HDDs and PCIe products
 - No board design change is required when upgrading from Gen 3 to Gen 4
- Help prevent misalignment with self-alignment feature that supports blind-mating

TARGET MARKETS

- Data communications
- Computer equipment and peripherals
- Industrial machinery and equipment

ELECTRICAL

- Support PCIe 4.0, SAS 4 and SATA 3 with transfer rate up to 24 Gbps (SAS) and 16 GT/s (PCIe)
- Tri-mode storage (SATA + SAS + NVMe)
- Compatible to SFF-8639, SFF-8630, SFF-8680 and SFF-8432 interfaces
- Backward compatible to 12G, 6G and 3G SAS and SATA connectors

MECHANICAL

- Surface mount
- Vertical
- 68 pins

MATERIALS

- Nickel
- LCP (Liquid Crystal Polymer)

STANDARDS & SPECIFICATIONS

- UL 94V-0

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