



EMBEDDED COMPUTING

RUGGED HIGH-SPEED SOLUTIONS THAT SAVE WEIGHT AND SPACE

Traditionally Military applications required Mil-Spec product but recently the DOD launched MOSA (Modular Open System Approach) which allows for COTS (Commercial Off The Shelf) products to be used to support SWaP-C (Size, Weight, Power or Performance & Cost) directives. MOSA allows COTS products to be used in applications like Radar & Sonar Systems, Signal Intelligence Systems, Electronic Warfare Systems, Commination Servers, Airborne Reconnaissance, Shipboard Comms,

& Converged Solutions because they support SWaP-C (Size, Weight, Power or Performance & Cost) directives.

In addition, Military & Aerospace equipment manufactures of High-Performance Embedded Computing (HPEC) are now adopting open, bladed architectures such as ATCA, MicroTCA & even VPX to meet their high performance requirements. TE Connectivity has a complete COTS product portfolio that support these architectures to meet such rugged applications.

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te.com



INTERNAL INTERCONNECTS

Reliable interconnects designed for use in small spaces where PCB space is a premium.



Free Height Connectors

These versatile connectors are useful for downsizing applications that require parallel stacked circuit boards.



MICTOR Connectors

Robust, blind-mate with high speed signal and power contacts.



STEP-Z Connectors

Grid array mezzanine connector specifically designed for high speed and high density applications up to 10+ gigabit per second data rates.

HIGH SPEED BACKPLANE

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



Z-PACK HM-Zd Plus Connectors

Reduce noise and system crosstalk with this double-ground design.



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.

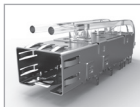


Eurocard Connectors

Incorporates internationally accepted design advantages that provides high Signal Integrity (SI) and electrical performance.

INPUT/OUTPUT (I/O)

Cable assemblies and connections designed for ruggedness and data integrity.



SFP/SFP+/zSFP+

SFP interconnects support data rates up to 56 Gbps. Many cage configurations offered provide excellent shielding options.



RF Coax Connectors

A wide array of RF and standard coax connectors for high performing medical equipment.



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.



FullAXS Mini Connectors

Next generation WiMAX and x-TTA connectivity designs require slim but rugged and easy-to-install cable assemblies for outdoor use.



RJ45 Connectors

Our broad range of modular I/O jacks and plugs offer reliable and space-saving solutions.



QSFP-DD Connectors

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.



USB Type-C Connectors

Universal and user-friendly, features a reversible mating interface.



AMPLIMITE D-Sub Connectors

A complete range of quality, time-tested D-subminiature connectors that have become the standard in the industry.

POWER

Low profile interconnects offer design flexibility with a number of positioning options.



Universal Power Module (UPM) Connectors

Different configurations include right angle, vertical, coplanar and mezzanine.



ELCON Mini Power Connectors

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



ELCON High Power Drawer Connectors

Offer ultimate customization for wire-to-wire, wire-to-board and wire-to-bus bar configurations at up to 200A per contact.



CROWN CLIP Connectors

Provides a space efficient connector in solder or screw mount configurations ideal for power supply/distribution applications.



MINIPAK HDL

A blindmateable board-to-board connector, which stands only 8 mm off the edge of the printed circuit board.



MULTI-BEAM XLE Connectors

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



MULTI-BEAM HD Connectors

Offer a more compact design with up to 135A per power contact and feature high density power and signal which saves space and reduces overall power consumption.