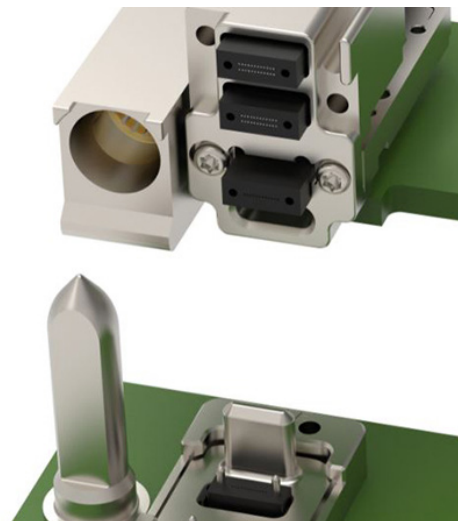


INTRODUCING

VITA 66.5 STYLE D, 3 MT OPTICAL MODULES

- Ultra high density rugged backplane / card connector



TE Connectivity's (TE) Ruggedized Optical Backplane VITA 66.5 interconnect system provides a high-density, high-bandwidth, blind-mate optical interconnect in a backplane/daughtercard configuration. The fiber optic ribbon cable interconnect feeds through the backplane to removable system modules using MT ferrules. Designed for rugged embedded computing applications, the fiber optic connectors are compatible with OpenVPX. Connector module designs support half and full size modules, with new higher density variants now available.

APPLICATIONS

- Embedded computing
- Processing
- Secure communications
- Avionics and vetronics
- Radar
- Imaging and targeting

TARGET MARKETS

- Military air
- Defense
- Commercial air

MECHANICAL

Mating Force:

- Per 12-Fiber MT Ferrule Min: 7.8 N (1.75 lb) / Max: 11.8 N (2.65 lb)
- Per 24-Fiber MT Ferrule Min: 18.0 N (4.05 lb) / Max: 22.0 N (4.95 lb)
- Durability
100 cycles, tested per EIA-455-21
250 cycles (PN: 2388438-1 and 2388442-1)

MATERIALS

- Connector Shell & Housing: Aluminum alloy, clear-chromate conversion-coated (RoHS compliant)

STANDARDS & SPECIFICATIONS

- Application Spec: 114-163023

FEATURES/BENEFITS

Easy to Use

- Common mounting interface requirements for the various fiber-optic interconnects within 3U and 6U VPX applications
- Quickly and confidently implement the best solution for specific applications

Rugged

- The module varieties are based upon proven optical termini for military and aerospace applications

Versatile

- Full-size connectors
- Half-size connectors
- Locating post features ensures proper position on the backplane and daughtercard

High Performance

- Connectors designed to maximize optical performance, accommodating up to three MT ferrules per insert
- Receptacle connector insert floats relative to the shell, providing ± 0.25 mm planar floating alignment capability

LEARN MORE

[VITA 66D Landing Page](#)

[VITA 66D Parts List](#)

[VITA 66D Product Brochure](#)