



The VITA 66 interconnect series introduces fiber optic connectivity to VPX ruggedized embedded computing systems. Glenair's VITA 66.1 and 66.4 compliant blind-mate, optical MT module/backplane connectors use the open architecture defined in VITA 46. These products are both compatible with VPX systems and available as standalone connector solutions for reliable, high-speed transmission in extreme commercial and military environments.

- Compliant to VITA 66.1 and 66.4 interface requirement
- Integrated alignment pins
- Supports industry standard MT ferrules—up to 24 channels per MT
- No unique tooling required for assembly

#### APPLICATIONS

- VPX compliant backplanes
- Embedded computing devices
- Military aircraft (Phased Array) Radars
- Flight computers and other aircraft LRUs
- Command center comms equipment

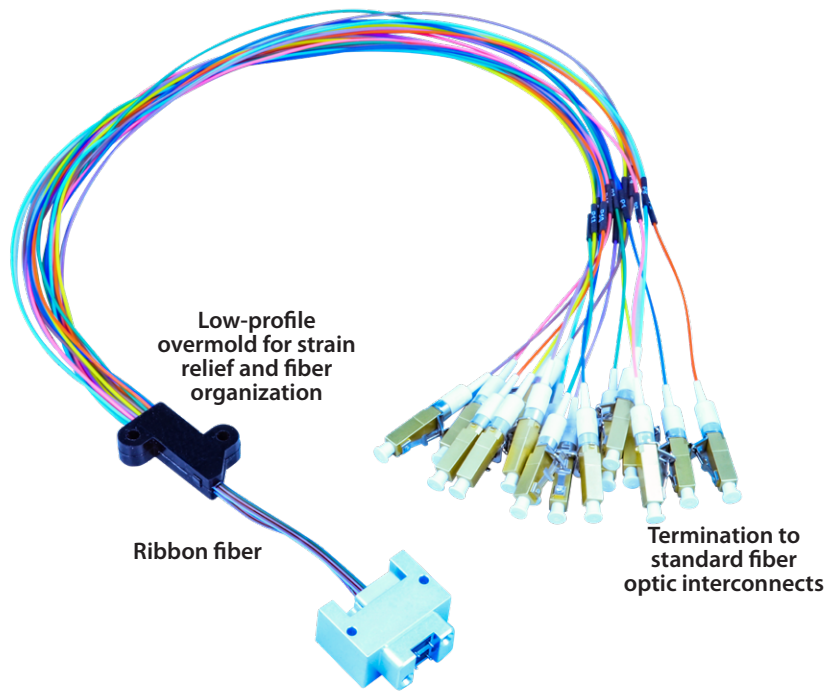
VITA 66.1 and VITA 66.4 backplane  
Series overview



Right-angle configurations for motherboard to daughtercard applications

**TURNKEY VITA 66.1 CONNECTORS, CABLE ASSEMBLIES, AND FERRULES**

Glenair can design, terminate, and test complex multibranch and point-to-point assemblies incorporating VITA 66.1 style backplane connectors with standard commercial fiber optic interconnects for termination to board-level transceivers. Low-profile cable overmolds provide fiber media organization and ribbon-to-wire strain relief. Discrete backplane connectors and MT ferrule assemblies are also available



Low-profile overmold for strain relief and fiber organization

Ribbon fiber

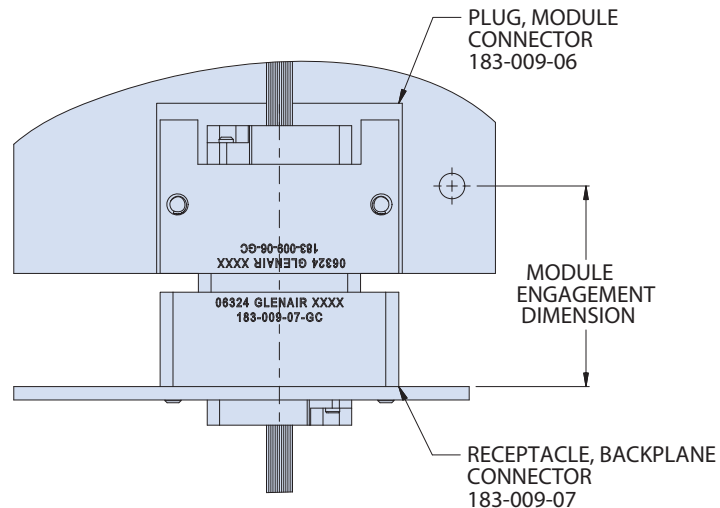
Termination to standard fiber optic interconnects

**The MT Ferrule High-Density Advantage**

24 fibers

3 fibers

Up to 24 fibers in a single compact, lightweight ferrule (7mm x 3mm / .276" x .118") — same real estate as three size #16 termini side by side



RANGE OF ENGAGEMENT REQUIREMENT (VITA 66.0)

PRIZM<sup>®</sup> MT and MT Elite<sup>®</sup>