



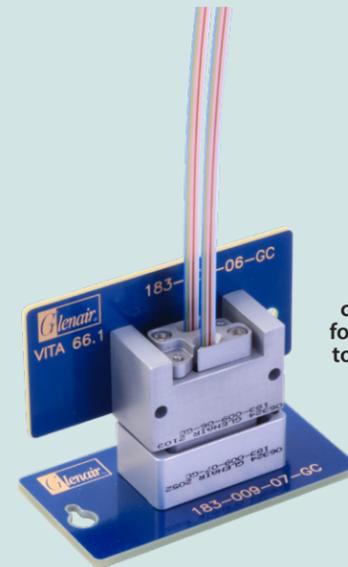
The VITA 66 interconnect series introduces fiber optic connectivity to VPX ruggedized embedded computing systems. Glenair's VITA 66.1 and 66.4 compliant blind-mate, optical MT module/backplane connectors use the open architecture defined in VITA 46. These products are both compatible with VPX systems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

- VITA 66.1 and 66.4 spec compliant
- Integrated alignment pins
- Glenair designed spring-loaded MT ferrules
- Supports industry standard MT ferrules—up to 24 channels per MT
- No unique tooling required for assembly

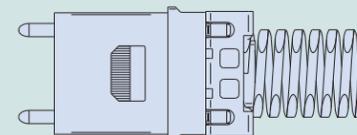
APPLICATIONS

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

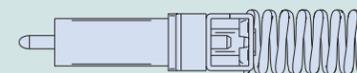
VITA 66.1 STYLE MT Ferrule Fiber Optic Backplane Connectors
Rugged, blind-mate MT solution



Right-angle configurations for motherboard to daughtercard applications



Glenair designed floating MT ferrule contacts



The MT Ferrule High-Density Advantage

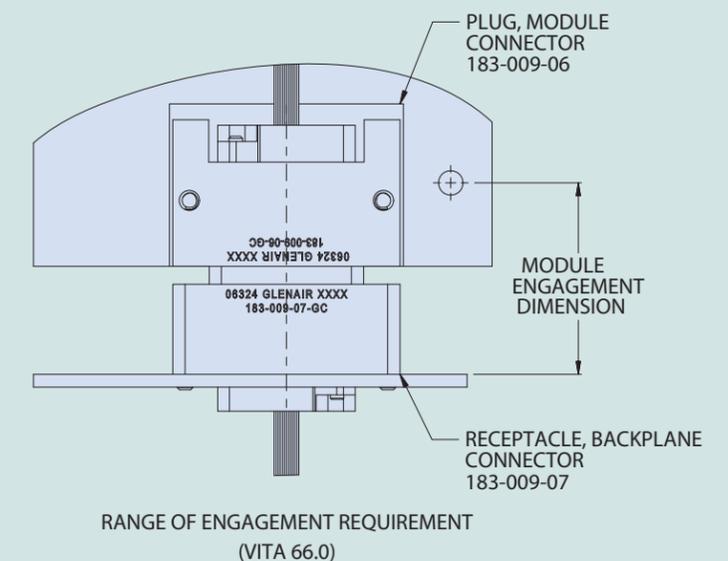
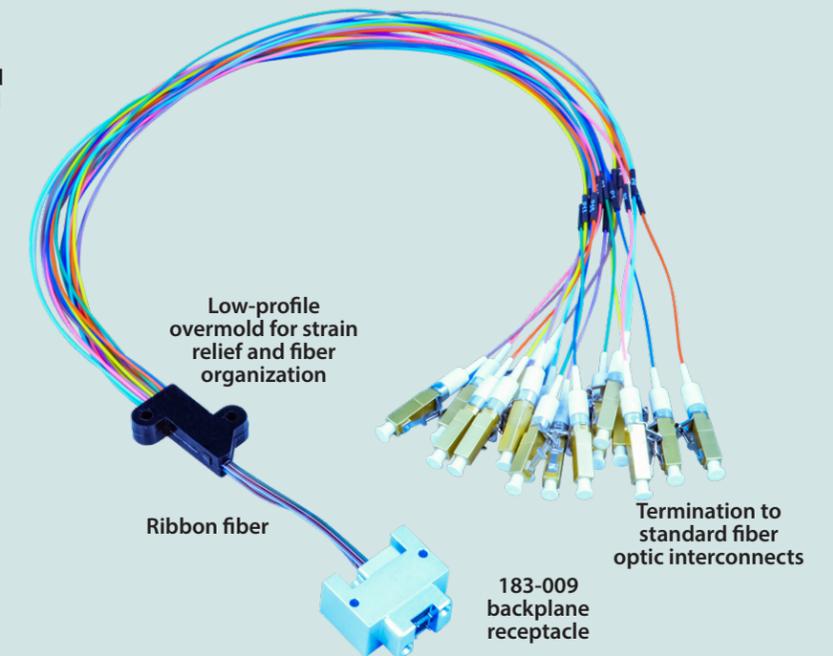
24 fibers

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

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



VITA 66.1 STYLE MT Ferrule Fiber Optic Backplane Connectors

How to order 183-009-06 Plug Module connectors

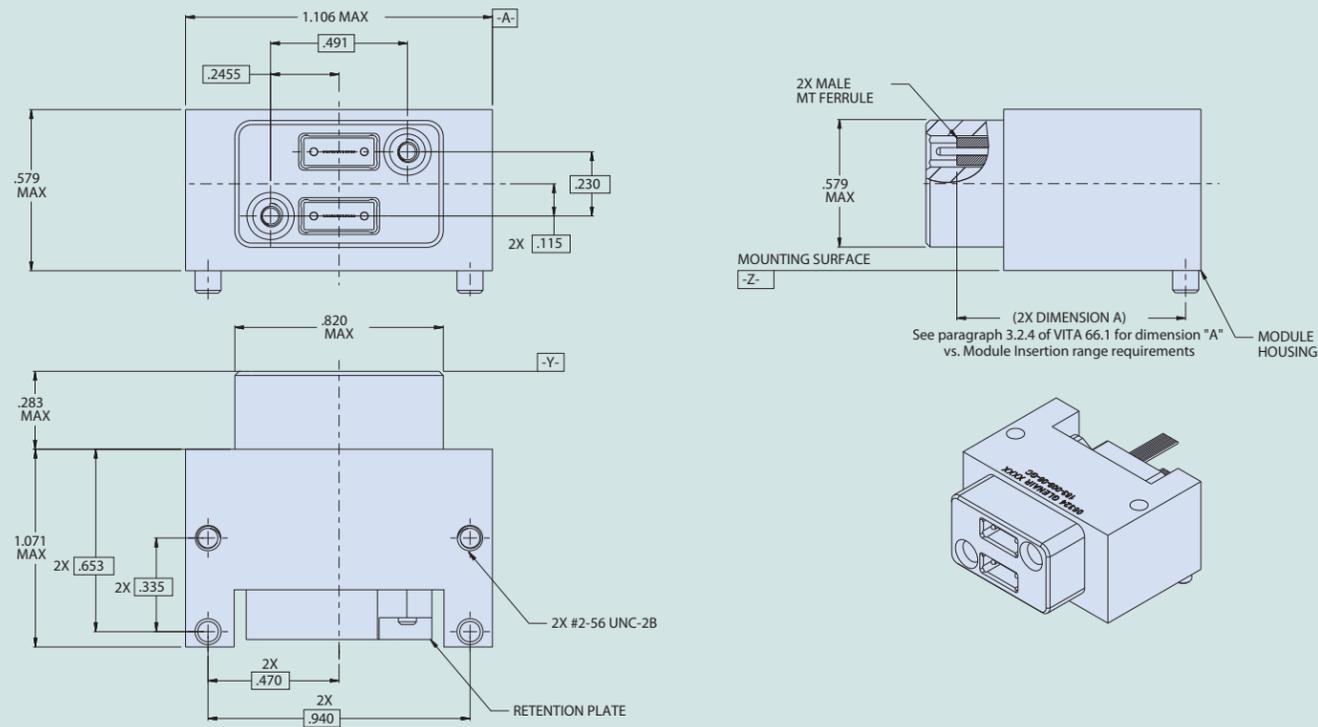


VITA 66.1 STYLE MT Ferrule Fiber Optic Backplane Connectors

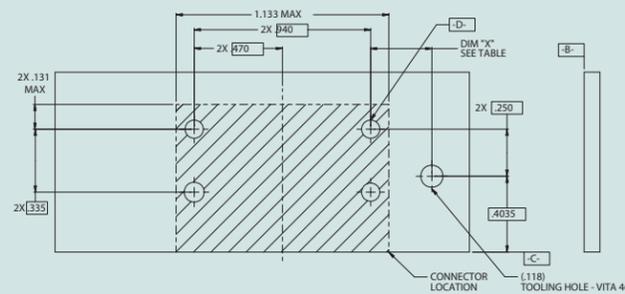
How to order 183-009-07 Receptacle Backplane connectors



How To Order			
Sample Part Number	183-009	-06	GC
Basic Part Number	MT Fiber Optic Backplane Interconnect, VITA 66.1 Style		
Connector Style	-06 = Plug Module		
Material / Finish	M = Aluminum / Electroless Nickel GC = Aluminum / Clear Anodize		

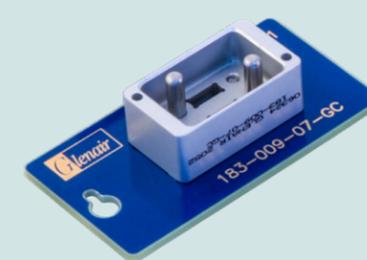


Connector Location on Module PCB	
Position	Dim. "X"
P2	2.1154
P3	3.8012
P4	4.9350
P5	6.0689
P6	7.2028

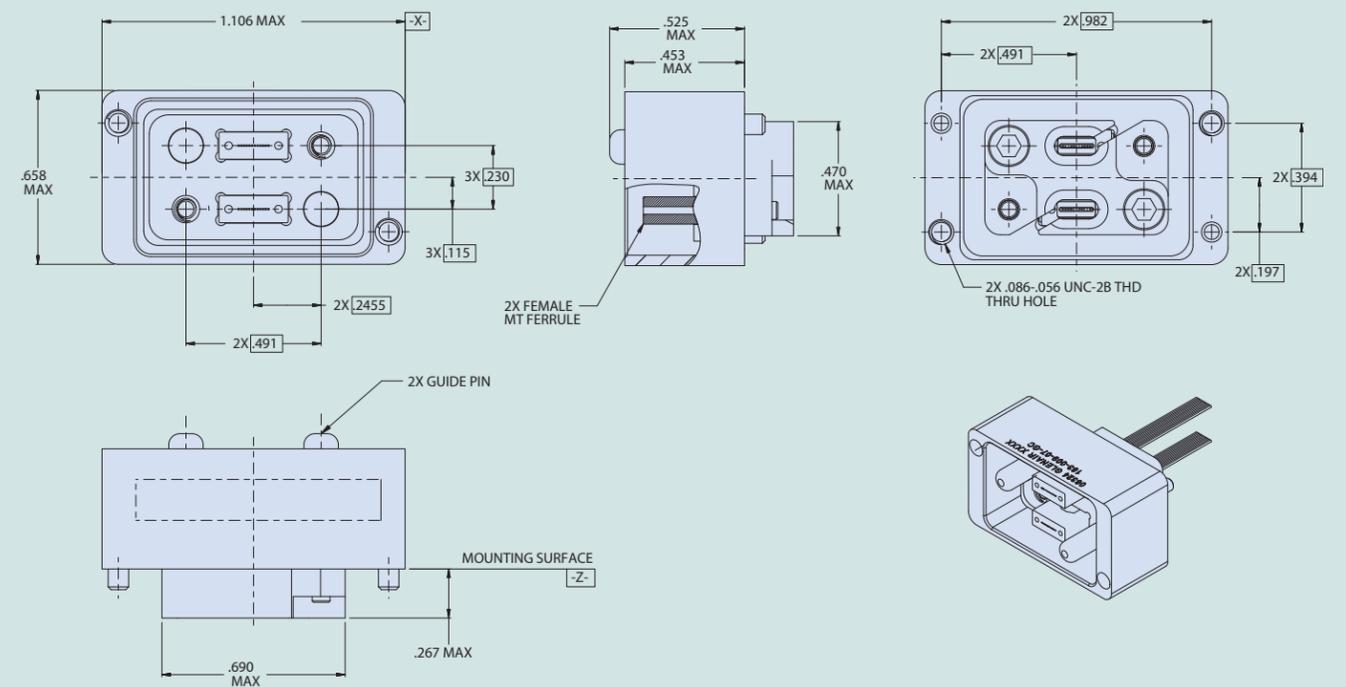


NOTES

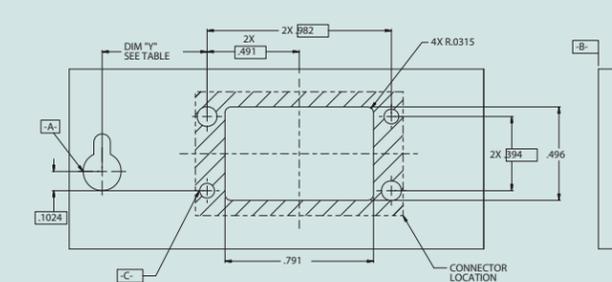
Connectors are designed to meet general requirements of ANSI/VITA 66.1
See figure 3.25-1 and table 3.25-1 of VITA 66.0 for Module Engagement requirements
See paragraph 3.2.4 Of VITA 66.1 For dimension "A" vs. Module Insertion range requirements
For MT ferrule kit part numbers, see Glenair drawing 181-143



How To Order			
Sample Part Number	183-009	-07	GC
Basic Part Number	MT Fiber Optic Backplane Interconnect, VITA 66.1 Style		
Connector Style	-07 = Receptacle, Backplane		
Material / Finish	M = Aluminum / Electroless Nickel GC = Aluminum / Clear Anodize		



Connector Location on Module PCB	
Position	Dim. "X"
J2	2.0945
J3	3.7803
J4	4.9142
J5	6.0480
J6	7.1819



NOTES

Connectors are designed to meet general requirements of ANSI/VITA 66.1
See figure 3.25-1 and table 3.25-1 of VITA 66.0 for Module Engagement requirements
See paragraph 3.2.4 Of VITA 66.1 For dimension "A" vs. Module Insertion range requirements
For MT ferrule kit part numbers, see Glenair drawing 181-143