



Ruggedized I/O connectors optimized for use with high-density MT ferrule optical flex

Mated pair of high-density Series 79 MT connectors—the smallest and lightest ruggedized MT assembly in the industry. Note the use of Optical Flex on the I/O receptacle side, and round environmental cable on the plug side

Lightweight, small form-factor MT fiber optics in Glenair Signature SuperNine® and Series 79 connectors: The aerospace-grade I/O connector solution for use with Glenair parallel optical transceivers and MT optical flex circuits

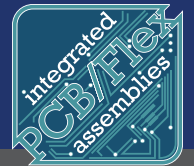
**TWO STYLES OF HIGH-DENSITY MT FERRULES SUPPORTED: STANDARD MT PHYSICAL CONTACT FERRULE AND LOW-LOSS PRIZM® LENS EXPANDED BEAM**



Both ferrule styles are easily inserted with common tools, and may be equipped with an engineered spring member for precise axial alignment in high vibration and shock applications.

- Small form-factor, high-density MT fiber optic solutions for rugged space and mil-aero applications
- Optimized for use with parallel optical transceivers and optical flex circuitry
- Singlemode, multimode and specialty fiber including radiation-tolerant for space applications
- Temperature tolerance from -40°C to +85°C
- Designed for optimal low insertion loss performance in high vibration and shock environments
- IP67 Environmental sealing, IP68 available at interface

# SPACE AND MIL-AERO GRADE MT Fiber Optic Connectors



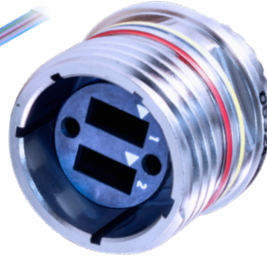
for use with optical flex circuits

CIRCULAR  
AND RECTANGULAR

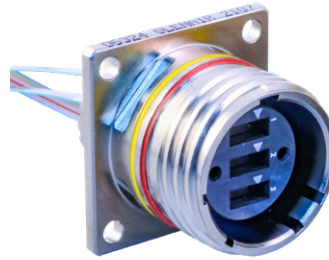
## Ruggedized MT I/O Connectors



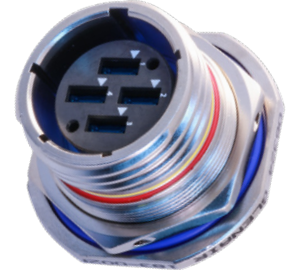
Plug with EMI/RFI ground spring  
Shell size-insert arrangement  
11-1, Up to 24 fibers  
(1 MT ferrule)



In-line receptacle  
Shell size-insert arrangement  
13-2, Up to 48 fibers  
(2 MT ferrules)



Panel-mount receptacle  
Shell size-insert arrangement  
15-3, Up to 72 fibers  
(3 MT ferrules)



Jam nut receptacle  
Shell size-insert arrangement  
17-4, Up to 96 fibers  
(4 MT ferrules)



Single-ferrule MT  
Series 79 plug  
up to 24 fibers



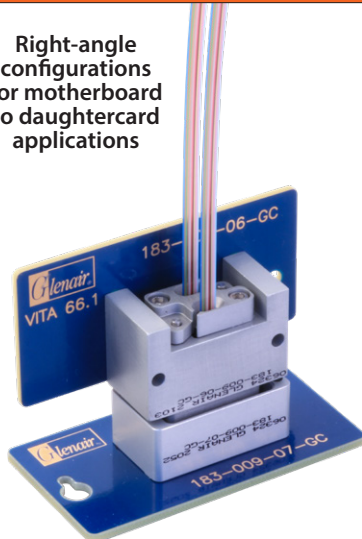
Single-ferrule MT  
Series 79 receptacle  
up to 24 fibers



Series 79 supports both  
ribbon and round cable,  
as well as standard and  
expanded-beam  
MT ferrules

### VITA 66.1 AND 66.4 MT FERRULE RUGGED OPTICAL BACKPLANE CONNECTORS FOR VPX BACKPLANE APPLICATIONS

Right-angle  
configurations  
for motherboard  
to daughtercard  
applications



- VITA 66.1 and 66.4 spec compliant for use with optical backplanes
- 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

#### IDEALLY SUITED FOR

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

