



# Fiber Optic and Photonic

## Interconnect systems

### *For land, sea, air, space, and C4ISR applications*

**G**lenair Fiber Optic and Photonic interconnect technologies deliver high data rate and bandwidth, reduced size and weight, EMI immunity, enhanced security, and spark/arc immunity. Our broad offering of fiber optic systems includes qualified MIL-PRF-28876 connectors and termini for shipboard applications, MIL-DTL-38999 Series III type fiber optic connectors and termini for aerospace applications, as well as our revolutionary Eye-Beam™ GLT Expanded Beam termini and GMA Multi-Application HMA intermateable connectors. Small form-factor Photonic solutions are offered for harsh-environment Ethernet, video, high-speed data, and signal aggregation.

- **Mil-spec and commercial tight-tolerance fiber optic connectors**
- **Qualified size #23, #18, #16, and #12 precision ceramic fiber optic termini**
- **Singlemode and multimode fiber, from 9/125 to 1000 microns**
- **Ultra-low insertion loss values, <.50dB typical**
- **Reduced size, weight, and power consumption Photonic connectors**
- **High shock / vibration to support mil/aero applications**
- **Wide operating temperature range Photonics: -40°C to +85°C**
- **Photonic interconnects designed IAW military and aviation requirements**

**Photonic Interconnect Solutions**



Size 8 Photonic Contacts



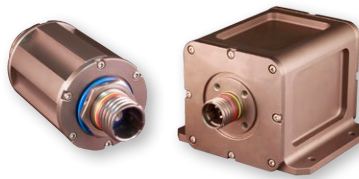
PCB-Mount Photonic Transceivers



Harsh-Environment Photonic Connectors



Copper-to-Fiber Media Converters



Signal Aggregation Media Converters



Ethernet Switches

**Fiber Optic Interconnect Systems**



MIL-DTL-38999 Type Fiber Optic



Glenair High Density (GHD) Fiber Optic



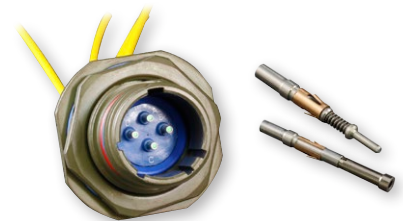
Series 80 Mighty Mouse Fiber Optic



MIL-PRF-28876 QPL Fiber Optic



GFOCA M83526 Compliant Fiber Optic



Eye-Beam™ GLT Expanded Beam Fiber Optic



Terminated and tested cable assemblies plus fiber optic backshells and accessories



Test probes, cleaning tools and kits for all fiber optic systems



Termination, inspection, and testing training and certification programs