



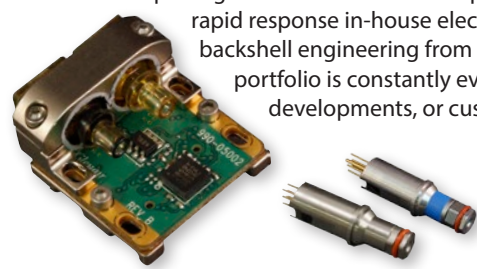
HARSH-ENVIRONMENT

Opto-Electronic Interconnect Solutions

Unlock the huge bandwidth of optical fiber and dramatically reduce the size and weight of interconnect systems

Glenair leverages its extensive portfolio of military and aerospace interconnect products to bring you ruggedized opto-electronic solutions, converting signals between the electrical domain and the fiber domain. These opto-electronic products are designed for harsh military/aerospace system and subsystem environments and will operate reliably over very wide temperature ranges and high shock and vibration conditions; they have been optimized to minimize size, weight and power and offer electrical-to-fiber conversion for Ethernet, video, signal aggregation and high-speed digital signals.

Glenair also offers integration of electronics or opto-electronics into rugged connector packages and cable assemblies per specific customer requirements. We offer rapid response in-house electrical/PCB design, and mechanical connector/backshell engineering from our vertically integrated factory. Our product portfolio is constantly evolving. Please contact Glenair for the latest developments, or custom solutions.



Technology can be integrated into mil-standard connectors or ruggedized packaging to suit any application

ADVANTAGES OF GLENAIR OPTO-ELECTRONICS

- Reduced size, weight, and power consumption
- Leverages the virtues of fiber optics: **EMI immunity, network security, increased transmission distance and high bandwidth**
- High shock and vibration to support mil/aero applications
- Wide operating temperature range: **-40°C to +85°C and beyond**
- Designed IAW military and aviation requirements: **MIL-STD-883, MIL-STD-461, DO-160 and others**

SERIES 050 OVERVIEW Harsh-Environment, Small Form-Factor Opto-Electronic Interconnect Solutions



10Gbps at -65°C

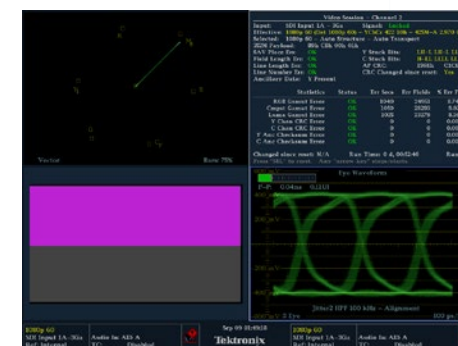
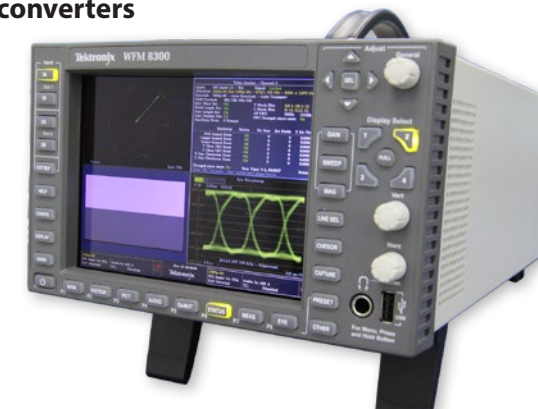


10Gbps at +100°C

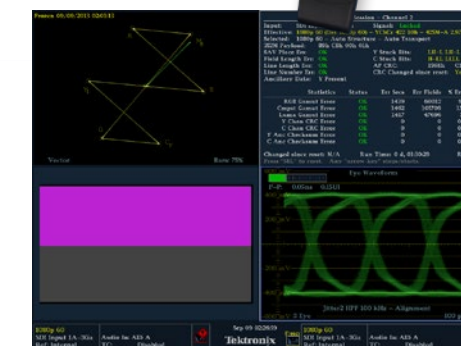
PROVEN-PERFORMANCE OPTO-ELECTRONIC INTERCONNECT SOLUTIONS

- Military, industry-standard and custom connector integration
- Custom aggregation media converters
- Integration of active components into cable assemblies
- Link testing and qualification

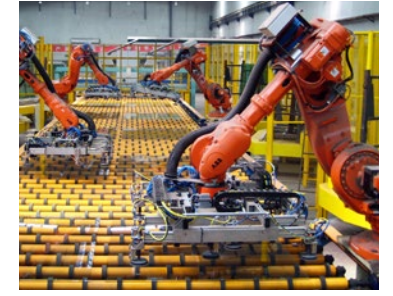
Laboratory link test and qualification data for harsh-environment opto-electronic solutions are available—just contact the factory



SMPTE 3G - SDI at -40°C
Pathological Case 3



SMPTE 3G - SDI at +90°C
Pathological Case 3



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For more information contact Glenair at 818-247-6000 or visit our website at www.glenair.com U.S. CAGE code 06324