Harsh-environment Photonic transmitters, receivers, media converters, and other Glenair innovations

Electrical-to-fiber conversion for Ethernet, video, signal aggregation and high-speed digital signals, designed for harsh military/aerospace system and subsystem environments

- Reduced size, weight, and power consumption
- 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: ARINC 818, MIL-STD-883, MIL-STD-461, DO-160 and others
- Install Photonics in a fiber optic backbone for future requirement expandability without re-cabling

Patented Optoelectronic contacts for integration into Glenair signature connectors including SuperNine® (D38999 Series III), ARINC 801, ARINC 404, and others
SERIES 050 OVERVIEW
Harsh-Environment, Small Form-Factor Photonic Interconnect Solutions

ONGOING EVOLUTIONS IN PHOTONIC TECHNOLOGY

RF-over-fiber for SATCOM-based WiFi and IFE systems

PCB-mount dual Transmitters, Receivers, and Transceivers

Parallel optical PCB-mount photonic converter with special heat-sink design

Small form-factor bi-directional PCB-mount transceivers

Cutaway shows Glenair ruggedized electronics in a signal aggregation media converter

DVI copper-to-fiber media converter

Lightning-strike protected ARINC 801 F/O to D38999-type media converter

Available customer-specified test boards

Inline media converter with Series 80 Mighty Mouse and SuperNine connectors