RUGGED Optoelectronic transmitter / receiver contacts for use in commercial aircraft standard connector packaging

Optoelectronic contacts and ruggedized connector packaging for commercial aircraft IFE and cabin management networks

FIBER-TO-COPPER MEDIA CONVERSION TECHNOLOGY FOR:
- High-resolution video screens
- Local data servers
- IFE control equipment

“High-datarate throughput photonic technologies for aircraft IFE networks”
“Copper-to-fiber media converters for high-speed Ethernet data servers”
“Avionic and sensor display I/O photonics”
“Environmentally-sealed transmission mediums for reliable performance”

Glenair SuperNine D38999 Series III type opto-electronic connectors populated with size #8 contacts, ready for immediate assembly in cable or I/O to circuit board applications

Patented photonic contacts integrate into Glenair rectangular connectors including HiPer-D and ARINC 600

BLOCK DIAGRAM OF OPTOELECTRONIC CONTACT TRANSMITTER / RECEIVER FUNCTIONALITY

Electrical Data Input and Power
- ARINC 801
- Luxcis Optical Interface
- Hermetic VCSEL Laser
- Limiting Amp / Bias Control

Electrical Data Out
- Drive Amp / Bias Control
- Hermetic Photodiode + TIA