



SERIES 050 Harsh-Environment

Opto-Electronic Interconnect Solutions

Opto-electronic media converters and active components for Ethernet, high-speed digital data, video media, and signal aggregation

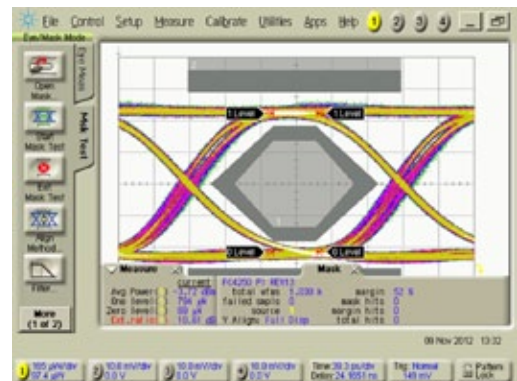
- Significant performance advantages over electrical copper including expanded bandwidth, reduced size and weight, increased distance, and improved electromagnetic compatibility
- Take advantage of fiber optic virtues, while reducing complexity and maintenance of fiber optic systems
- Size #8 Opto-Electronic contacts for singlemode and multimode optical fiber

SIZE #8 CAVITY OPTO-ELECTRONIC CONTACTS AND ACTIVE CONNECTORS

- Fast and Gigabit Ethernet, DVI, HDMI capable transmitter and receiver-equipped contacts
- ARINC 664, 801, 803, 804 and 818 standard compliant
- Link distances up to 550 meters, multimode
- Single, 3.3 V power supply
- Wave-solderable termination with RoHS-compliant solders



Mighty Mouse receptacle incorporating size #8 opto-electronic contacts



4.25 Gbps / +25°C

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ENVIRONMENTAL OPTO-ELECTRONIC SOLUTIONS

- Ethernet media converters 10/100/1000 and 10G
- Video media converters DVI, SDI, ARINC 818
- High-Speed digital data to 12.5 GB/sec
- Signal aggregation media converters
- Custom solutions with ruggedized, ultraminiature packaging to suit any application

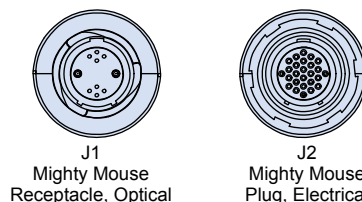


MEDIA CONVERTER



- 10/100/1000BASE-T to 1000BASE-SX/LX10 media converter
- IEEE 802-3-2005 Gigabit Ethernet standard compliant
- Up to 550 meters, multimode
- Up to 10 kilometers, singlemode

Table I: Signal Protocol		
Code	Name	Medium
SX	1000BASE-SX	Multimode Fiber
LX10	1000BASE-LX	Singlemode Fiber



SEVEN PORT UNMANAGED ETHERNET SWITCH

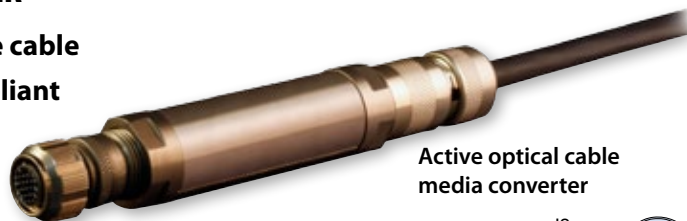


- Seven copper (10/100/1000 Mbps) Ethernet ports IAW IEEE 802.3:2005
- Cable distances up to 100 meters
- Unmanaged Ethernet switch, no configuration required
- Non-blocking switch fabric allows 1000 Mbps data rate on all seven ports simultaneously

7-port Ethernet switch and breakout cables

ACTIVE/OPTICAL CABLE WITH MEDIA CONVERTER

- 10/100/1000BASE-T to 1000BASE-SX/LX10 active cable
- IEEE 802.3:2005 Gigabit Ethernet standard compliant
- Up to 550 meters, multimode
- Up to 10 kilometers, singlemode



Active optical cable media converter

