Copper-to-Fiber Media Converters for Video Applications

**PRODUCT SELECTION GUIDE**

- **Fiber Link 500m with MMF**
- **Fiber Link 10km with SMF**
- **38999 with MIL-STD-1560** and custom contact arrangements—including quadrax and coaxial contact options
- **Mighty Mouse electrical** and fiber optic connectors
- **Fiber Optic connectors** including D38999, M28876, GHD, NGCON (M64266), HMA (M83526), and GFOCA
- **Power supply functions** with wide input-voltage ranges
- **DVI, HDMI, SMPTE, ARINC 818**
- **Advanced monitor & control functions via serial interface to facilitate network management and BIT**

Glenair Copper-to-Fiber-Optic Video Media Converters enable extended link distances, improved EMI and security in harsh environments and provide solutions for both MMF and SMF applications. These media converters support ruggedized military systems applications and are tailored to support a variety of Video protocols including DVI, HDMI, SMPTE (SDI, HD-SDI and 3G-SDI), ARINC 818 and more. Many options for mil-spec and military-grade electrical and fiber optic connectors are available. Contact Glenair for custom configurations, application-specific designs and engineering services.

**VIDEO MEDIA CONVERTER FUNCTIONAL BLOCK DIAGRAM**

- **Transmitter & Receiver**
- **Graphics Card Source**
- **Limiting Amplifiers**
- **Monitors**
- **Power**

**MIL-DTL-38999 SERIES III TYPE DVI VIDEO MEDIA CONVERTER**

- **How To Order**
- **Product Series**
- **Transmitter = TX**
- **Receiver = RX**
- **Dash Number**
- **Plating Code**

- **ENVIRONMENTAL PERFORMANCE**
- **-40ºC to +85ºC operating temperature range**
- **Meets MIL-STD-810 Mechanical Shock and Vibration**
- **Meets MIL-STD-1344 immersion resistance**

**Product Selection Guide**

- **050-201**
  - DVI Copper-to-Fiber Media Converter
- **050-203**
  - DVI Copper-to-4 Fiber, VCSEL, DO160 Lightning Strike level 3 and “dirty” 28V power
- **050-206**
  - 4 Channel SMPTE HD-SDI & 3G-SDI Transmitter or Receiver
- **050-204**
  - 4 Channel 3G-SDI MMF TX and 3G-SDI MMF RX, GHD Fiber, Mighty Mouse (Cable and Power).
- **050-205**
  - DVI Copper-to-Fiber Media Converter, Inline

**Visit glenair.com for detailed product datasheets**