Small Form Factor Media Converters for Harsh-Environment Video Applications

Glenair Copper-to-Fiber-Optic Video Media Converters enable extended link distances, improved EMI and security in harsh environments for both multi- and singlemode fiber applications including DVI, HDMI, SMPTE (SDI, HD-SDI and 3G-SDI), ARINC 818 and more. Units are available with a wide range of Glenair and industry-standard electrical and fiber optic connectors.

- Fiber link up to 500m multimode, 10km singlemode
- Standard 1560 and custom contact arrangements— including quadrax and coaxial
- Power supply functions with wide input-voltage ranges
- DVI, HDMI, SMPTE, ARINC 818
- Advanced monitor and control functions via serial interface to facilitate network management / BIT
RUGGEDIZED
Copper-to-Fiber Media Converters for Video Applications

Block diagram and features

VIDEO MEDIA CONVERTER FUNCTIONAL BLOCK DIAGRAM

DATA CABLES • POWER CABLES • TEST CABLES

Data cables, power cables, and fiber optic test cables with EMI/RFI banding and strain relief backshells are available for all Video copper-to-fiber media converters

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Copper-to-Fiber Media Converters for Video Applications

#### Product Selection Guide

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<th>Model</th>
<th>Description</th>
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| 050-201 | **DVI Copper to Fiber Media Converter**  
with MIL-DTL-38999 power, signal, and fiber optic connectors |
| 050-203 | **DVI Extender - Copper to Fiber Media Converter**  
with MIL-DTL-38999 power, signal, and fiber optic connectors |
| 050-205 | **Copper to Fiber DVI Media Converter, 28VDC**  
D38999 (ARINC801 for Fiber Optic), D38999 (Quadrax & Pin contacts for Signal, Power and Service Port) |
| 050-206 | **Dual-DVI Copper to Fiber Media Converter, 28VDC**  
D38999 (ARINC801 for Fiber Optic), D38999 (Quadrax & Pin contacts for Signal and Service Port), D38999 (Pin contacts for Power) |
| 050-207 | **4-Channel SMPTE Copper to Fiber Media Converter**  
HD-SDI and 3G-SDI with MIL-DTL-38999 and Glenair High Density (GHD) power, signal, and fiber optic connectors |
### RUGGEDIZED Copper-to-Fiber Media Converters for Video Applications

#### Product Selection Guide

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Connectors</th>
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<tr>
<td>050-208</td>
<td>4-Channel SMPTE HD-SDI Copper to Fiber Media Converter (DO-160 Lightning Strike, DO-160 Audio Conducted Susceptibility Cat Z)</td>
<td>D38999 (ARINC801 for Fiber Optic), D38999 (100 ohms Quadrax &amp; Pin contacts for Signal and Service Port), D38999 (Pin contacts for Power) connectors</td>
</tr>
<tr>
<td>020-210</td>
<td>Dual DVI Copper to Fiber Media Converter, 28VDC</td>
<td>D38999 (Eye-Beam for Fiber Optic), D38999 (Quadrax &amp; Pin contacts for Signal, Service Port), D38999 (Pin contacts for Power) connectors</td>
</tr>
<tr>
<td>050-211</td>
<td>CWDM 4-Channel SMPTE Copper to Fiber Media Converter, SMF or MMF, 28VDC</td>
<td>GHD Glenair High Density (GHD for Fiber Optic), D38999 (75 Ohms Quadrax &amp; Pin contacts for Signal, Service Port)</td>
</tr>
<tr>
<td>050-214</td>
<td>DVI Copper to Fiber Media Converter, 28VDC</td>
<td>D38999 (ARINC801 for Fiber Optic), D38999 (Quadrax &amp; Pin contacts for Signal and Service Port), D38999 (Pin contacts for Power)</td>
</tr>
</tbody>
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Dimensions in Inches (millimeters) are subject to change without notice.