

## Product Selection Guide



**GLENAIR HIGH DENSITY (GHD) FIBER OPTIC CONNECTION SYSTEM: SAME OPTICAL, MECHANICAL AND ENVIRONMENTAL PERFORMANCE AS D38999, AT NEARLY DOUBLE THE DENSITY**

The GHD fiber optic connection system is a D38999 workalike designed for applications that require higher-density fiber optic insert arrangements with the same outstanding optical and environmental performance as MIL-DTL-38999. The GHD system accommodates a broad range of singlemode and multimode fiber media and offers insertion loss values less than 0.5dB (typical loss for Glenair termini is 0.3 dB). Dense cavity spacing is achieved with an innovative Size 18 genderless front-release terminus design that provides nearly double the density as the standard M28876 and D38999 fiber optic connector series. The GHD system is also available with APC Angle Polish to reduce unwanted back reflection. A removable Alignment Sleeve Retainer (ASR) makes for easy fiber optic cleaning and maintenance in plug connectors. GHD is a complete system that includes keyed and unkeyed termini, a complete range of connector configurations, backshells, accessories, test probe adapters, tools, and more.

Product No.	Description	Page No.
<b>SIZE #18 GHD FIBER OPTIC TERMINI</b>		
<b>181-056</b>	Non-keyed Front Release Terminus for PC Polish, Size 18 Genderless Pin	D-4
<b>181-058</b>	Dummy Terminus, Front Release, Size 18	D-4
<b>181-047</b>	Keyed Front Release Terminus for APC Polish, Size 18 Genderless Pin	D-5
<b>GLENAIR HIGH DENSITY (GHD) FIBER OPTIC CONNECTORS</b>		
<b>180-122 (06)</b>	Plug Connector with Alignment Sleeve Retainer (standard)	D-6
<b>180-122 (G6)</b>	Plug Connector with Alignment Sleeve Retainer and EMI/RFI/Ground Spring	D-6
<b>180-122ASR</b>	Alignment Sleeve Retainer (ASR)	D-7
<b>180-122 (05)</b>	In-Line Receptacle Connector	D-8
<b>180-122 (08)</b>	Jam Nut Mount Receptacle Connector	D-10
<b>180-122 (H7)</b>	Square Flange Receptacle with Round Holes	D-12
<b>180-122 (S7)</b>	Square Flange Receptacle with Slotted Holes	D-14

**DIMENSIONAL NOTES**

- Catalog dimensions are subject to change without notice. Consult Glenair engineering for a controlled-release sales drawing.
- Metric dimensions appear in parentheses in diagrams and tables, based on 1 inch = 25.4 mm, for reference only.
- Unless otherwise specified, the following other dimensional tolerances apply:
- .xx = ± .03 (0.8) • .xxx = ± .015 (0.4) • Angles = ± 5°



**Glenair High Density (GHD) turnkey fiber optic cable and conduit assemblies are supplied by Glenair with the shortest and most reliable lead times in the industry**