Glenair High Density (GHD) is the fiber optic connection system of choice for military aerospace applications that demand a smaller and lighter interconnect with outstanding optical and environmental performance. Glenair developed GHD to exceed MIL-DTL-38999 type fiber optic performance with an innovative terminus design that incorporates sealing and retention features to allow nearly double the density of standard mil-spec solutions.

**GHD’s high-density cavity spacing is achieved with an innovative front-release terminus design that incorporates a high-force spring and compression bushing that enables low-loss performance even in high-vibration / high-shock applications.**

**LOW MASS**

**DYNAMIC VIBRATION AND SHOCK RESISTANCE**

**EXTREME TEMPERATURE RESISTANCE**

**ENVIRONMENTALLY SEALED CORROSION RESISTANCE**

**FLAMMABILITY, TOXICITY, LOW-SMOKE**

**INDIRECT LIGHTNING STRIKE EASE-OF-MAINTENANCE**

**UNCOMPROMISED RELIABILITY**

**Guide Pins facilitate repeatable optical performance by ensuring alignment between mating cavities.** Threaded-coupling connectors without guide pins can “sweep” relative to each other when torqued. Misaligned cavities will force the split ceramic alignment sleeve to work harder to bring mating termini into alignment. Stressed alignment sleeves can expand (and possibly break), resulting in high optical loss.

**Non-keyed GHD terminus, keyed for APC polish**

**GHD termiunus, shell-to-shell bottoming enables mating insert cavities to “square up” to each other in an-repeatable manner, ensures consistent spring force at working height, and prevents movement between mating connectors during harsh shock and vibration exposure. The connector interface is sealed with a piston-style O-ring seal for robust environmental protection.**

**Tight-Tolerance MIL-DTL-38999 Series III type**

- Composite, aluminum and stainless steel shells available
- QPL size #16 MIL-PRF-29504 /4 and /5 precision ceramic termini
- Singlemode and multimode fiber, from 9/125 to 1000 microns
- Ultra-low insertion loss, <.50dB typical
- From 2 to 37 Termini
- Patented MIL-DTL-38999 fiber optic test probes and adapters