# MIL-DTL-83723 Series III Threaded and Bayonet Coupling Hermetic Connectors

## Product Applications

The MIL-DTL-83723 Series III type connector is ideally suited for use on commercial, military and aerospace interconnect systems that demand hermetic sealing and high vibration resistance in a medium density cylindrical connector. Thirty-three insert arrangements are available in both threaded and bayonet coupling styles for a wide range of applications.

## Materials

Glenair MIL-DTL-83723 Series III Hermetic connectors are offered in either passivated stainless steel or fused tin over stainless steel, with glass insulators fused to the connector shell, and contacts meeting a leak rate of 1 X $10^{-7}$ cc/ Helium per second. Maximum design flexibility is built into the MIL-DTL-83723 hermetic connector–with a minimum of 2 to a maximum of 61 circuits per connector in a wide variety of contact arrangements IAW MIL-STD-1554. Fluorosilicone elastomer interfacial and peripheral seals ensure positive sealing with plug connectors.

Gold plated nickel-iron alloy 52 contacts—available in sizes 12, 16 and 20—depending on the layout chosen—offer a broad selection of insert arrangement options. Solder cup, straight pin and PCB contact styles are standard.

## Same-Day Inventory

Because Glenair makes all its hermetic connectors in-house, including the machining of shells, molding of interfacial seals and firing of hermetic components, we can offer you outstanding availability on stock products and fast turnaround on special orders.

*<1x$10^{-7}$ cc/second Helium Leak Rate @ 1 ATM Differential*

*Quick Release Bayonet or Threaded Coupling*

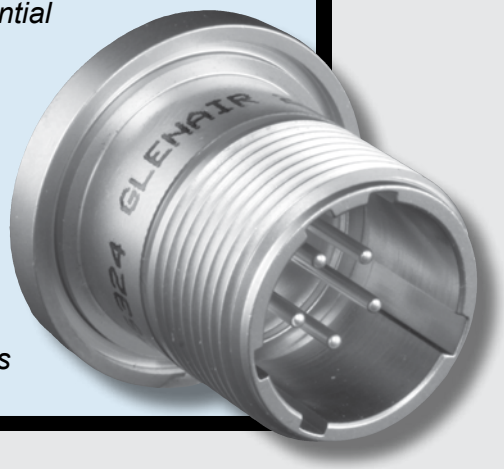
*Solder Cup, Straight Pin and PCB Contacts*

*Space Grade Special Screening Available*

*Complete Range of Materials and Finishes, Including Titanium and Inconel® Options.*

*9 Shell Sizes Available with 2 to 61 Contacts*

*Jam Nut, Flange Mount and Solder Mount Receptacles*




*Catalog contents—including part numbers, materials and dimensions—are accurate to the best of our ability when we go to print. Even so, customers are advised to consult the factory for the latest specifications, particularly to confirm critical dimensions such as connector lengths, threads, and so on. When errors or mistakes are brought to our attention, corrected content is posted immediately to www.glenair.com.*

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