



MIL-DTL-83513 Type Micro-D Hermetic Connectors Introduction

A Full Range of MIL-DTL-83513 Type Micro-D Hermetic Connectors

Product Applications

Glenair MIL-DTL-83513 type Micro-D hermetic connectors are ideal for high-pressure/low-leakage applications where size, weight and vibration resistance are a critical concern. Sophisticated electronics enclosures, vacuum chambers and cryogenic equipment all benefit from the airtight seal and moisture resistant plating found on Glenair hermetic Micro-D connectors. Solder mount, weld mount and rear panel O-ring shell styles are available to meet a variety of design requirements.

seals and O-rings ensure positive sealing with plug connectors and panels.

Gold plated Kovar® socket contacts boast superior vibration resistance when used in conjunction with Glenair's innovative TwistPin contact system in the plug.

Same-Day Inventory

Because Glenair makes all its hermetic connectors in-house, including the machining of shells, molding of interfacial seals and firing

Weld Mount, Solder Mount and Rear Panel Sealing Options

Vibration and Shock Resistant TwistPin Contact System

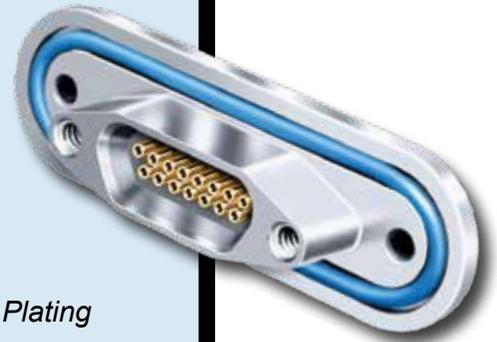
9 to 100 Sockets in 9 Shell Sizes

Space Grade Special Screening Available

1 x 10⁻⁶ cc/Helium per Second Leakage Rate

Solder Cup, PC Tail and Pre-Wired Pigtail Termination Options

Machined Kovar® Shells and Contacts with Moisture Resistant Plating



Materials

Kovar®—an iron nickel alloy—is used in both the shells and contacts, and provides a chemical bond with the glass insulator for maximum hermeticity. Shells are then plated with nickel after the glass insulator is fired to enhance corrosion resistance. Contacts are plated with gold to ensure superior electrical conductivity.

Connectors are offered with a minimum of 9 sockets, up to a maximum of 100 sockets—in two, three and four row solder cup and pigtail configurations. Fluorosilicone rubber interfacial

of hermetic components, we can offer you outstanding availability on stock products and fast turnaround on special orders.

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. Corrected content is posted immediately to www.glenair.com.

Dimensions in Inches (millimeters) are subject to change without notice.

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GLENAIR, INC. • 1211 AIR WAY • GLENDALE, CA 91201-2497 • 818-247-6000 • FAX 818-500-9912
www.glenair.com K-2 E-Mail: sales@glenair.com