

MIL-DTL-83513 Type Micro-D Hermetic Connectors Design Notes and Contact Arrangements



MICRO-D HERMETIC CONNECTOR DESIGN NOTES

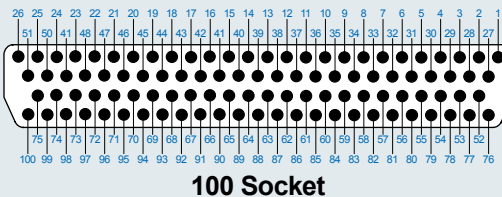
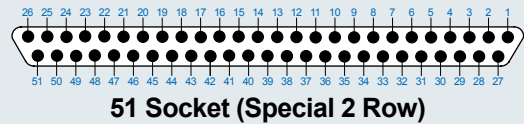
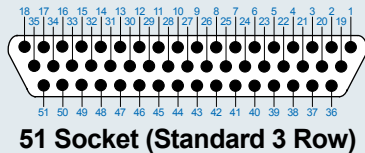
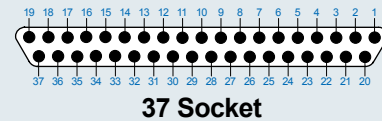
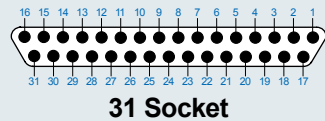
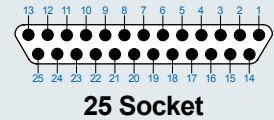
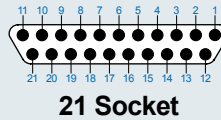
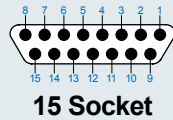
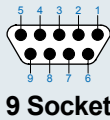
“Why can’t I get a hermetic Micro-D with pin contacts instead of sockets?”

The Micro-D TwistPin contact cannot be made from the materials that are required for hermetic contacts. Hermetic contacts are made from ferrous alloys such as Kovar® or Alloy 52. These alloys do not have spring properties. The Micro-D TwistPin contact is made from spring-temper beryllium copper. The Micro-D socket contact is a cylinder and does not provide any spring force, so Micro-D hermetic connectors are always receptacle connectors with socket contacts.

“What about high pressure?” “What is the maximum recommended pressure rating for a hermetic Micro-D?”

Glenair hermetic Micro-D's are built to safely withstand 1000 PSI of hydrostatic pressure in an open face (unmated) condition.

MICRO-D CONTACT ARRANGEMENTS (FACE VIEW SOCKET CONNECTOR)



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