1. Holes and interface dimensions per MIL-PRF-83513/2.
2. Matable with connectors manufactured per MIL-PRF-83513/1 and MIL-PRF-83513/3.
3. Designed to be laser welded to a 304L stainless steel housing.
4. Hermetic leak rate: less than or equal to 1x10^-9 CC/SEC H2 at 1 ATM differential pressure.
5. Electrical requirements:
   - Insulation resistance: greater than 5,000 MEGOHMS at 500±10% VDC at 25°C when tested IAW MIL-STD-1344, Method 303.
   - Dielectric withstanding voltage: must show no evidence of breakdown or flashover when subjected to 500 VAC RMS 60Hz IAW MIL-STD-1344, Method 3001. Duration of application to be 1 sec min.
6. Materials:
   - Shell: Stainless Steel 304L IAW ASTM A276
   - Contacts: Beryllium-Copper IAW ASTM B196 or ASTM B197.
   - Insulators: Kryoflex 313 proprietary polycrystalline ceramic.
   - Interfacial seal: Fluorosilicone rubber IAW MIL-R-25988, Class I, Type II, Grade 60.
7. Finish:
   - Contacts: Electrolytic nickel plate IAW QQ-N-290, .00100-.00250 THICK.
   - Gold plate IAW ASTM B488, Type III, CODE A, .000100-.000350 THICK.
8. Ordering Information:
   - Please specify according to the following
   - Pin count: (9, 15, 21, 25, 31, 37)