1. Holes and Interface Dimensions per MIL-DTL-24308.
2. Mated with connectors manufactured per MIL-DTL-24308.
3. Designed to be laser welded into aluminum housings.
4. Hermetic leak rate: less than or equal to $1 \times 10^{-9}$ cc/sec He 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 3003.
   - Dielectric withstanding voltage: must show no evidence of breakdown or flashover when subjected to 600 VAC RMS 60Hz IAW MIL-STD-1344, Method 3001. Duration of application to be 1 sec min.
6. Materials:
   - Shell: explosion bonded stainless steel to 4XXX-series aluminum.
   - Contacts: beryllium-copper IAW ASTM B196/B197.
   - Insulators: Kryoflex 313 proprietary polycrystalline ceramic.
   - Helical inserts: 300-series stainless steel.
7. Finish:
   - Contacts: electrolytic nickel plate IAW QQ-N-290, .000100/.000250 thick.
   - Gold plate IAW ASTM B488, Type III, Code A or MIL-G-45204, Type III, Grade A, .000100/.000150 thick.
   - Shell: chemical conversion coat per MIL-C-5541, Class 1.
8. Ordering Information:
   - Please specify according to the following: 93513-1