NOTES:

1. HOLES AND INTERFACE DIMENSIONS PER MIL-PRF-83513/2.
2. MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-PRF-83513/1 AND MIL-PRF-83513/3.
3. DESIGNED FOR LASER WELDING TO AN ALUMINUM HOUSING.
4. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1X10^-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:
   - **Weld Flange:** 4XXX Series Aluminum.
   - **Contacts:** Beryllium-Copper IAW ASTM 8196 OR ASTM 8197.
   - **Insulators:** Kryoflex 3/3 Proprietary Polycrystalline Ceramic.
   - **Interfacial Seal:** Fluoro-Silicone Rubber IAW MIL-R-25988, CLASS 1, TYPE II, GRADE 60.
   - **Helical Inserts:** 300-Series Stainless Steel.
   - **Wire:** 26 AWG PER M22759.
7. FINISH:
   - **Contacts:** Electrolytic Nickel Plate IAW QQ-N-280, .000010/.000025 thick.
   - **Gold Plate** IAW MIL-G-45204, TYPE II, GRADE C, .000050/.000150 thick.
   - **Shell:** Chemical Conversion Coat IAW MIL-C-5541, CLASS 1A.
8. ORDERING INFORMATION:
   - Please specify according to the following: 94072 - X
     - Pin Count (9, 15, 21, 25, 31, or 37)
     - Base Part Number to Order

### TABLE I

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**HOLE DETAIL**