NOTES:

1. HOLES AND INTERFACE DIMENSIONS PER MIL-PRF-83513/1.
2. MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-PRF-83513/1 AND MIL-PRF-83513/3.
3. DESIGNED TO BE LASER WELDED TO AN ALUMINUM HOUSING.
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:
   - WELD FLANGE: 4XXX SERIES ALUMINUM
   - CONTACTS: BERYLLIUM-COPPER IAW ASTM B196 OR ASTM B197
   - INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC
   - INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS 1, TYPE II, GRADE 60.
   - HELICAL INSERTS: 300-SERIES STAINLESS STEEL.
7. FINISH:
   - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-280, .000100/.000250 THICK.
   - GOLD PLATE IAW ASTM B468, TYPE II, CODE C OR MIL-G-45204, TYPE II, GRADE C, .000050/.000100 THICK.
   - SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS IA.
8. ORDERING INFORMATION:
   PLEASE SPECIFY ACCORDING TO THE FOLLOWING
   - 92259 - .