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 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 500V DC 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.

7. MATERIALS:
   - WELD FLANGE: 4XXX SERIES ALUMINUM.
   - INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
   - INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS I, TYPE II, GRADE 60.
   - HELICAL INSERTS: 300 SERIES STAINLESS STEEL.

8. FINISH CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
   - GOLD PLATE IAW ASTM B488, TYPE II, CODE C OR MIL-G-45204, TYPE II, GRADE C,
     .000050/.000100 THICK.
   - SHELL: CHEMICAL CONVERSION COATING

9. ORDERING INFORMATION:
   - PLEASE SPECIFY ACCORDING TO THE FOLLOWING
   - BASE PART NUMBER TO ORDER: 92166 - 9 - NC
   - P/M COUNT:
     (9, 15, 21, 25, 31, OR 37)
   - CHEMICAL CONVERSION COAT
     NC = NO CONVERSION COAT
     BLANK = CONVERSION COAT PER MIL-C-5541, CLASS 1Z

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**TABLE I**