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. WIRE BOND FLATS SHALL BE .030 MIN. LONG, .015 MIN. WIDE, AND .007 MIN. THICK.
5. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO $1 \times 10^{-9}$ CC/SEC H· at 1 ATM DIFFERENTIAL PRESSURE.
6. ELECTRICAL REQUIREMENTS:
   - INSULATION RESISTANCE: GREATER THAN 5,000 MEGOHMS AT 500±10% VDC AT 25°C
   - DIELECTRIC WITHSTANDING VOLTAGE: MUST SHOW NO EVIDENCE OF BREAKDOWN OR FLASHOVER
     WHEN TESTED AT 600 VAC RMS 60Hz, IAW MIL-STD-1344, METHOD 3001.
     DURATION OF APPLICATION TO BE 1 SEC MIN.
7. MATERIALS:
   - WELD FLANGE: 4XXX SERIES ALUMINUM.
   - CONTACTS: BERYLLIUM-COPPER IAW ASTM 8196 OR ASTM 8197.
   - 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 MIL-G-45204, TYPE II, GRADE C, .000050/.000150 THICK.
   - SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS IA.
9. ORDERING INFORMATION:
   PLEASE SPECIFY ACCORDING TO THE FOLLOWING
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