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 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 650 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 8196 OR ASTM B197.
   - INSULATORS: KYROFLEX 3.3 PROPRIETARY POLYCRYSTALLINE CERAMIC.
   - INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS I, TYPE II, GRADE 60.
   - HELICAL INSERTS: 300-SERIES STAINLESS STEEL.
7. 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.

8. ORDERING INFORMATION:
   - PLEASE SPECIFY ACCORDING TO THE FOLLOWING
   - BASE PART NUMBER TO ORDER

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<td>NUMBER OF CONTACTS</td>
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2X R .003 MAX EDGE BREAK