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 .015 MIN. LONG, .015 MIN. WIDE, AND .007 MIN. THICK.
5. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1 X 10^-9 CC/SEC @ 1 ATM DIFERENTIAL PRESSURE.
6. 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-PRF-83513, METHOD 3001.
   - DURATION OF APPLICATION TO BE 1 SEC MIN.
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/.000200 THICK.
   - GOLD PLATE IAW ASTM-B488, TYPE III, CODE A, .000050/.000150 THICK.
   - SHELL: NONE OR CONVERSION COAT IAW MIL-C-5541, CLASS IA
9. ORDERING INFORMATION:
   - PLEASE SPECIFY ACCORDING TO THE FOLLOWING
   BASE PART NUMBER TO ORDER
   PIN COUNT
   (9, 15, 21, 25, 31, OR 37)
   ROW A PIN EXTENSION
   (.030 MIN/.120 MAX)
   ROW B PIN EXTENSION
   (.030 MIN/.120 MAX)

| TABLE I |
|------------------|---|---|---|
| NUMBER OF CONTACTS | W | Y | Z |
| 9                | 775 | 452 | 778 |
| 15               | 925 | 602 | 928 |
| 21               | 1.075 | 752 | 1.078 |
| 25               | 1.175 | 852 | 1.178 |
| 31               | 1.325 | 1.002 | 1.326 |
| 37               | 1.415 | 1.152 | 1.418 |

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CONNECTOR, MICRO-D, AL-COMPATIBLE, STD-PROFILE, W/FLATS

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