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 1X 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
   - 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.
7. FINISH CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000200 THICK.
   - GOLD PLATE IAW ASTM-8488, TYPE III, CODE A, .000050/.000150 THICK.
   - SHELL: CONVERSION COAT IAW MIL-C-5541, CLASS IA
8. ORDERING INFORMATION:
   PLEASE SPECIFY ACCORDING TO THE FOLLOWING
   93502 - X - A - B
   BASE PART NUMBER TO ORDER
   PIN COUNT (9, 15, 21, 25, 31, OR 37)
   ROW B PIN EXTENSION (.030 MIN/.120 MAX)
   ROW A PIN EXTENSION (.030 MIN/.120 MAX)

 TABLE I

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WELD FLANGE

HELICAL INSERT

INTERFACIAL SEAL

CONTACT

INSULATOR

434 Olds Station Rd, Wenatchee WA 98801
WWW.PACaERO.COM

CONNECTOR, MICRO-D, AL-COMPATIBLE, STD-PROFILE

SALES DRAWING

TITLE:

SECTION B-1

REVISED: 01-24-11