

NOTES:

- HOLES AND INTERFACE DIMENSIONS PER MIL-PRF-83513/2.
- MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-PRF-83513/1 AND MIL-PRF-83513/3.
- DESIGNED TO BE O-RING SEALED.
- HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1×10^{-9} CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
- ELECTRICAL REQUIREMENTS:
 INSULATION RESISTANCE: GREATER THAN 5,000 MEGOHMS AT $500 \pm 10\%$ 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.
- MATERIALS:
 SHELL: 304L STAINLESS STEEL.
 CONTACTS: BERYLLIUM-COPPER IAW ASTM B196 OR ASTM B197.
 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.
 O-RING: FLUOROCARBON (VITON)
- 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. ITEM SHIPPED LOOSE AND UNATTACHED.

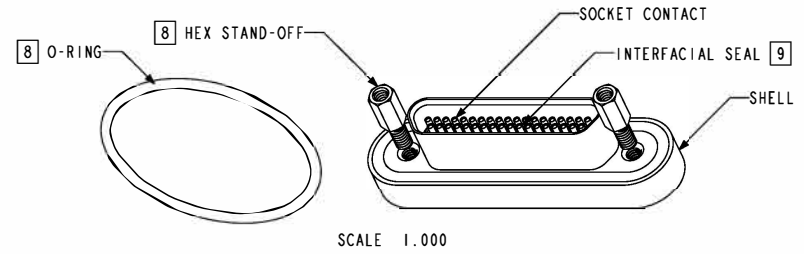
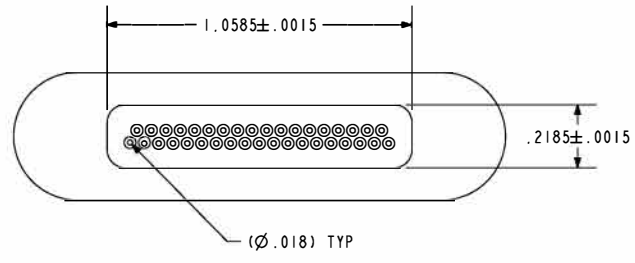
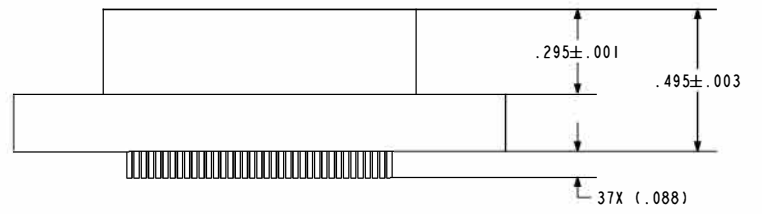
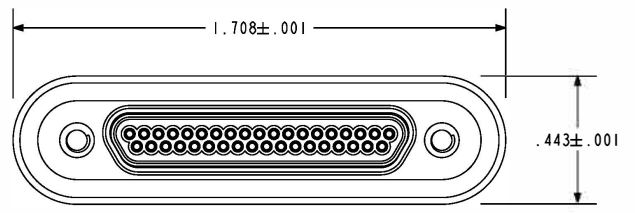
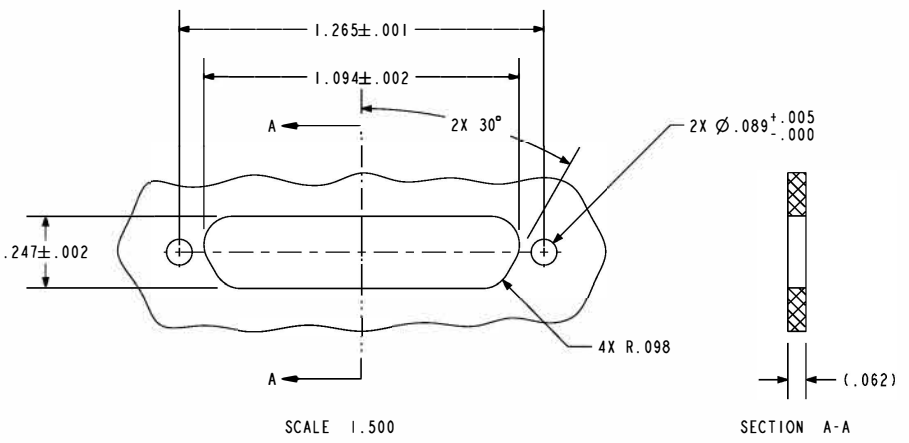
9. ORDERING INFORMATION:

PLEASE SPECIFY ACCORDING TO THE FOLLOWING

EXAMPLE: 94094-1-NS

- NO SEAL
- BASE PART NUMBER

HOLE DETAIL



PACAE
 A Division of
HERMETIC SOLUTIONS
 434 Olds Station Rd. Wenatchee WA 98801

WWW.PACAERO.COM

TITLE: CONNECTOR, MICRO-D, STD PROFILE, 37 PIN, O-RING, SST

THIRD ANGLE PROJECTION

 CAGE CODE: 64567

VERSION: B.0
 RELEASE DATE: 03-19-12

SALES DRAWING

SHEET: 1 OF 1

DOCUMENT: 0-94094