

NOTES:

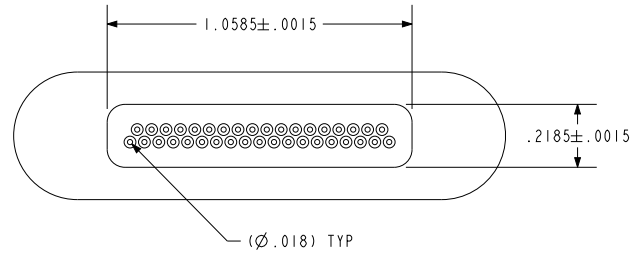
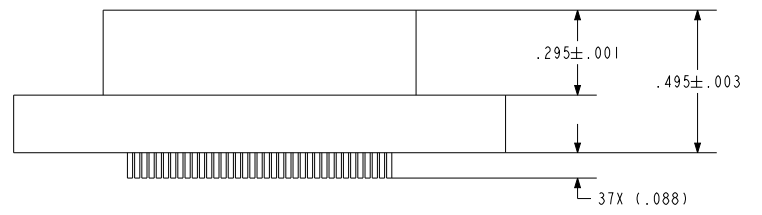
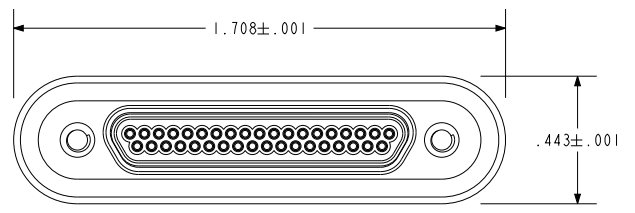
1. HOLES AND INTERFACE DIMENSIONS PER MIL-PRF-83513/2.
2. MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-PRF-83513/1 AND MIL-PRF-83513/3.
3. DESIGNED TO BE O-RING SEALED.
4. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1×10^{-9} CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
5. ELECTRICAL REQUIREMENTS:
 INSULATION 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.
6. 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: SILICONE.
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.

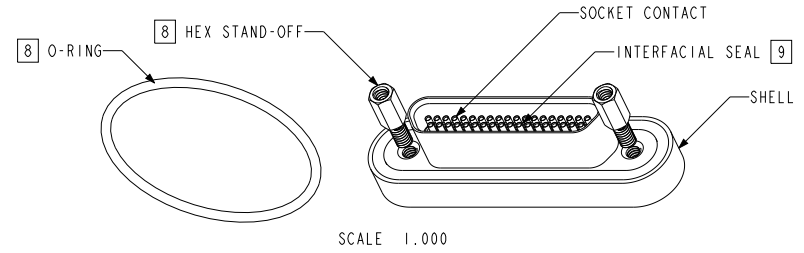
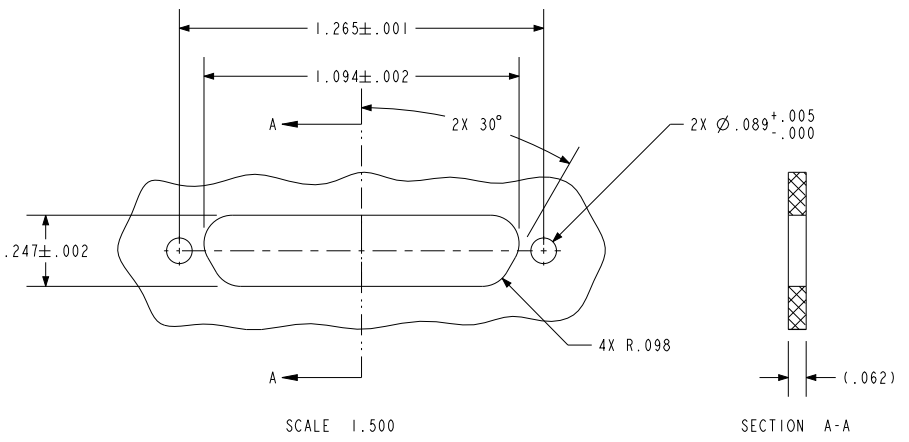
 SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS IA.

8. 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



PACIFIC AEROSPACE & ELECTRONICS, INC.
 434 Olds Station Rd. Wenatchee, Washington 98801

| | | | |
|------------|--|------------------------|-----------------|
| TITLE: | CONNECTOR, MICRO-D, STD PROFILE, 37 PIN, O-RING, SST | THIRD ANGLE PROJECTION | WWW.PACAERO.COM |
| CAGE CODE: | 64567 | DOCUMENT: | 0-94094 |

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| VERSION | A.2 | RELEASE DATE: | 04-25-08 |
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SALES DRAWING

SHEET: 1 OF 1