

NOTES:

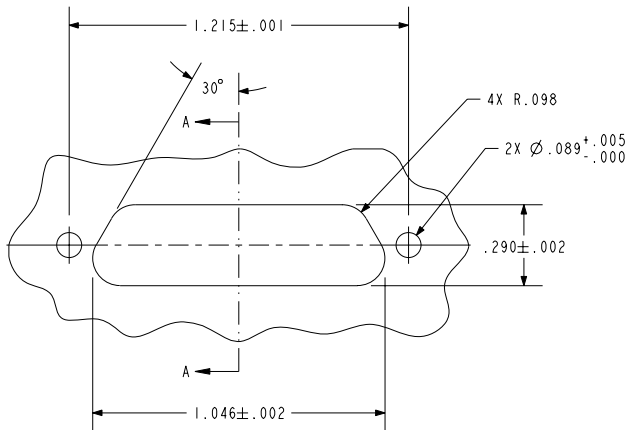
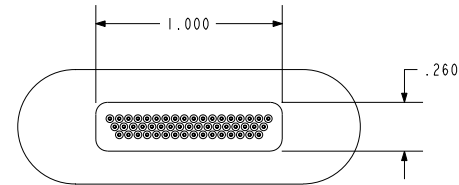
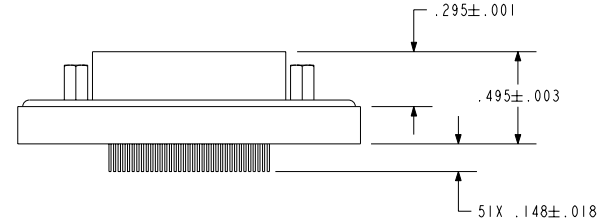
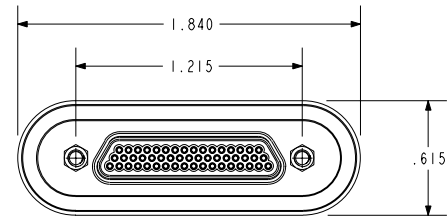
- 1. HOLES AND INTERFACE DIMENSIONS PER MIL-PRF-83513/2.
- 2. MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-PRF-83513/1 AND MIL-PRF-83513/3.
- 3. DESIGNED TO BE O-RING SEALED AND FASTENED WITH HARDWARE.
- 4. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO  $1 \times 10^{-9}$  CC/SEC He AT 1 ATM DIFFERENTIAL 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, SOLDER DIPPED WITH Sn63.
  - INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
  - INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS 1, TYPE II, GRADE 60.
  - MALE-FEMALE HEX STANDOFFS: 300-SERIES STAINLESS STEEL.
  - O-RING: VITON.

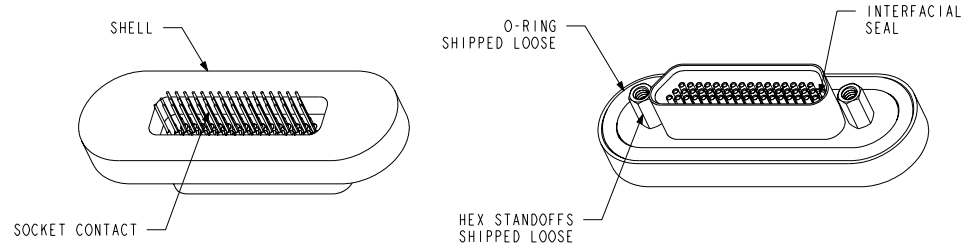
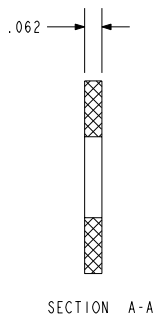
- 7. FINISHES:
  - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
  - GOLD PLATE IAW MIL-G-45204, TYPE II, GRADE C, .000050/.000100 THICK.

- 8. ORDERING INFORMATION:
  - PLEASE SPECIFY ACCORDING TO THE FOLLOWING

92837-1  
 BASE PART NUMBER TO ORDER



HOLE DETAIL  
 SCALE 1.500



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

TITLE:  
 CONNECTOR, MICRO-D, O-RING MOUNT, 51-STEPPED PIN

WWW.PACAERO.COM  
 THIRD ANGLE PROJECTION  
 CAGE CODE: 64567

VERSION: 08-11-03

SALES DRAWING

SHEET: 1 OF 1

DOCUMENT: 0-92837