

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  $1 \times 10^{-9}$  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:

WELD FLANGE: 4XXX SERIES ALUMINUM.  
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.

7. FINISH:

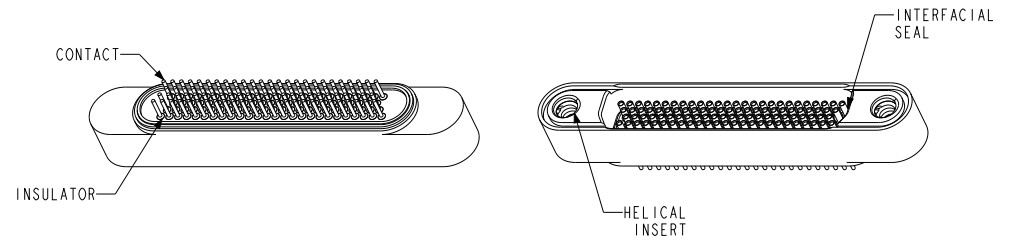
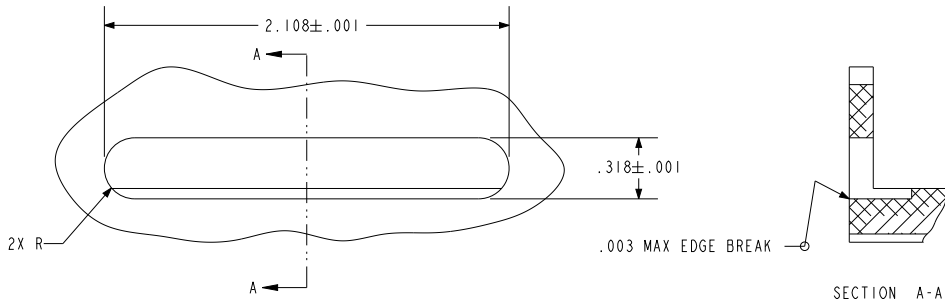
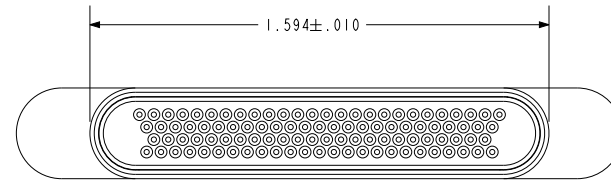
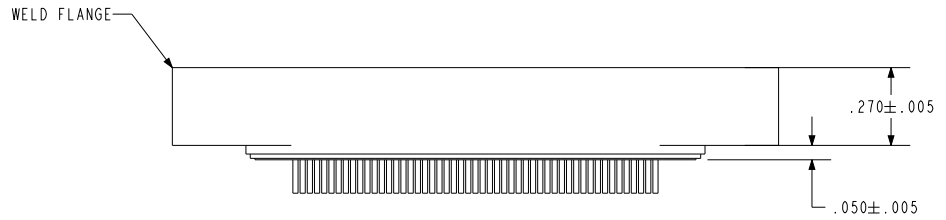
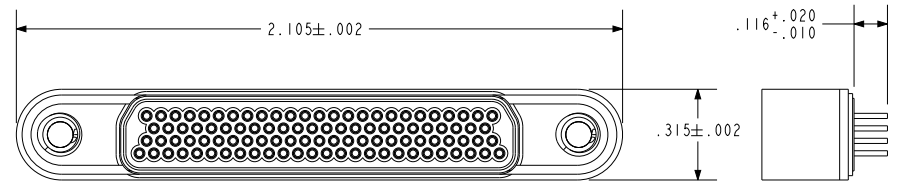
CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.  
GOLD PLATE IAW MIL-G-45204, TYPE II, GRADE C, .000050/.000150 THICK.

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

8. ORDERING INFORMATION:

PLEASE SPECIFY ACCORDING TO THE FOLLOWING

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**PACIFIC AEROSPACE & ELECTRONICS, INC.**  
434 Olds Station Rd. Wenatchee, Washington 98801  
[WWW.PACAERO.COM](http://WWW.PACAERO.COM)

TITLE: CONNECTOR, MICRO-D, LOW PROFILE, AL-COMP., 100 PIN

THIRD ANGLE PROJECTION

CAGE CODE: 64567

SALES DRAWING

SHEET: 1 OF 1

DOCUMENT: 0-94008

VERSION: -.0  
RELEASE DATE: 01-19-11