

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 1×10^{-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:

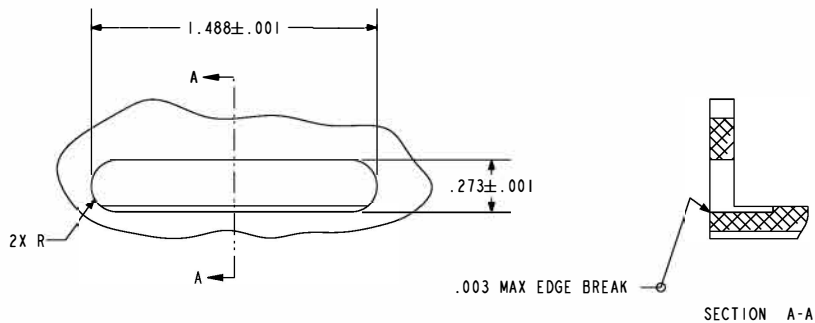
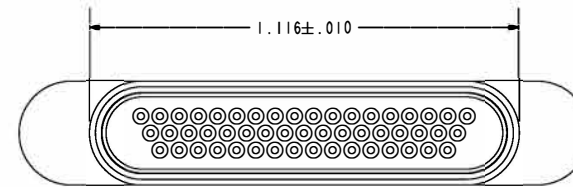
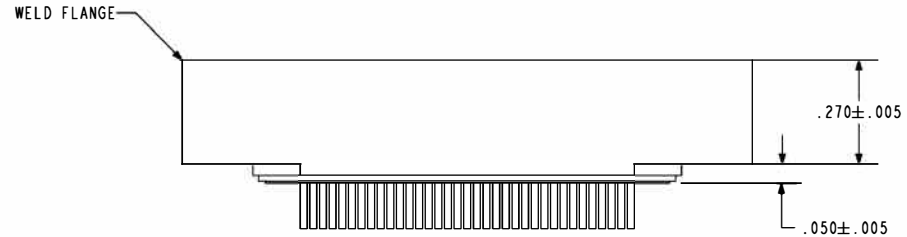
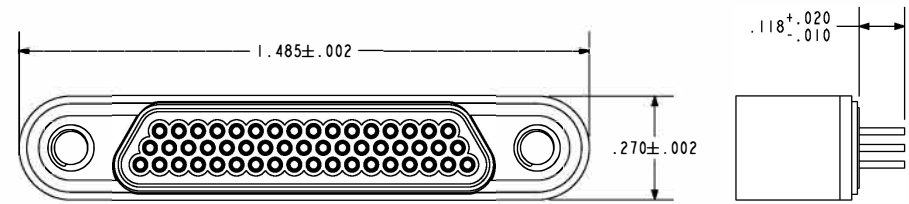
CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
GOLD PLATE IAW MIL-G-45204, TYPE II, GRADE C, .000050/.000150 THICK.

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

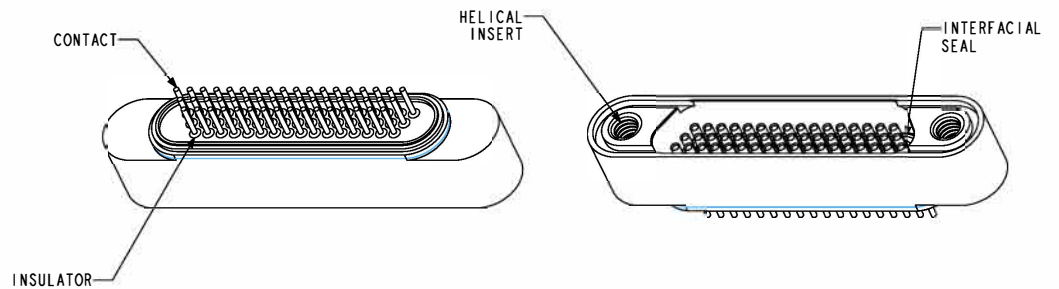
8. ORDERING INFORMATION:

PLEASE SPECIFY ACCORDING TO THE FOLLOWING

92241 - 1



HOLE DETAIL



P&E A Division of HERMETIC SOLUTIONS
434 Olds Station Rd. Wenatchee WA 98801

WWW.PACAERO.COM

| | | |
|--------|-------------------------------------|------------------------|
| TITLE: | 51 PIN LOW PROFILE AC MICRO-D ASSY. | THIRD ANGLE PROJECTION |
| | | CAGE CODE: 64567 |

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| VERSION | E.0 | RELEASE DATE: | 01-13-11 |
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SALES DRAWING

SHEET: 1 OF 1

DOCUMENT: 0-92241