

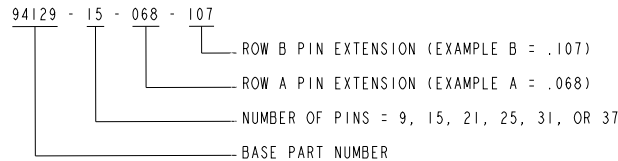
NOTES:

- INTERFACE DIMENSIONS PER MIL-PRF-83513/2.
- MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-PRF-83513/1 AND MIL-PRF-83513/3.
- DESIGNED TO BE LASER WELDED TO A TITANIUM HOUSING.
- HERMETIC LEAK RATE: LESS THAN OR EQUAL TO  $1 \times 10^{-9}$  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: EXPLOSION BONDED STAINLESS STEEL TO TITANIUM Gr2.
  - CONTACTS: BERYLLIUM-COPPER IAW ASTM B196 OR ASTM B197.
  - INSULATORS: KYROFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
  - INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS I, TYPE II, GRADE 60.

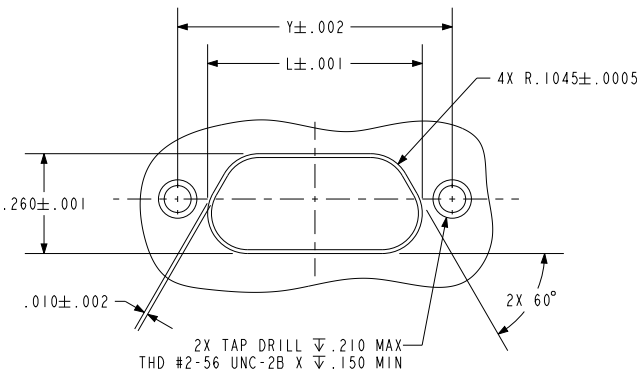
- WIRE BOND FLATS SHALL BE .030 MIN. LONG AND .010 MIN. WIDE.
- FINISH:
  - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000200 THICK.
  - GOLD PLATE IAW MIL-G-45204, TYPE II, GRADE C, .000100/.000175 THICK.

9. ORDERING INFORMATION:

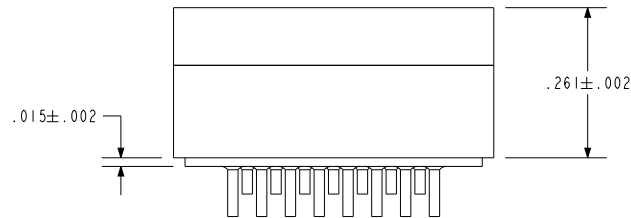
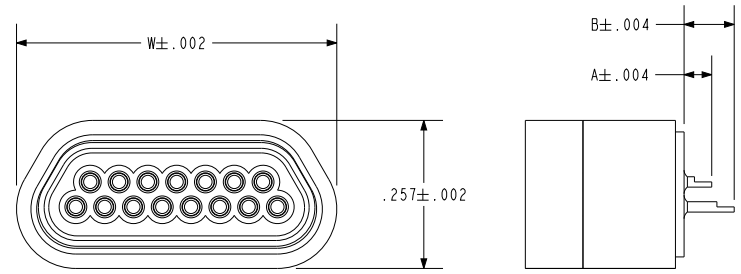
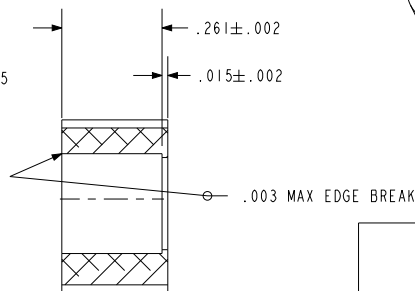
PLEASE SPECIFY ACCORDING TO THE FOLLOWING



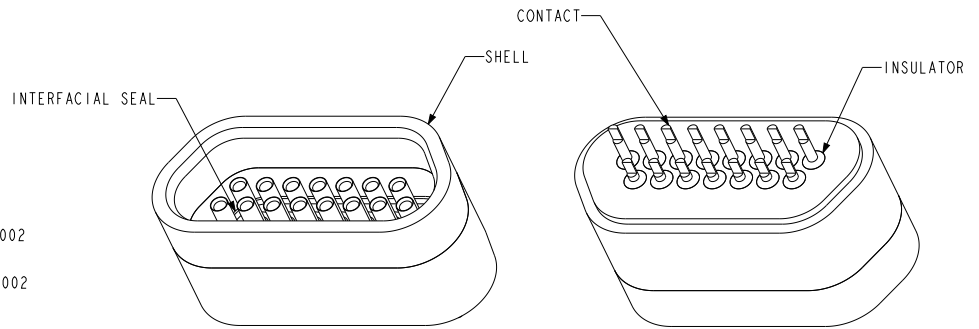
NUMBER OF CONTACTS	W	L	Y
9	.406	.409	.565
15	.556	.559	.715
21	.706	.709	.865
25	.806	.809	.965
31	.956	.959	1.115
37	1.106	1.109	1.265



RECOMMENDED HOLE DETAIL



(-15 SHOWN)



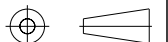
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**PA&E** A Division of HERMETIC SOLUTIONS  
 434 Olds Station Rd. Wenatchee WA 98801

WWW.PACAERO.COM

TITLE: CONNECTOR, MICRO-D, CUSTOM, TITANIUM COMPATIBLE

THIRD ANGLE PROJECTION



CAGE CODE: 64567

VERSION: B.1  
 RELEASE DATE: 01-20-09

SALES DRAWING

SHEET: 1 OF 1

DOCUMENT: 0-94129