

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. WIRE BOND FLATS SHALL BE .015 MIN LONG, .010 MIN WIDE, AND .007 MIN THICK.
5. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO  $1 \times 10^{-9}$  CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
6. 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.

7. MATERIALS:

WELD FLANGE: 4XXX- ERIES 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.

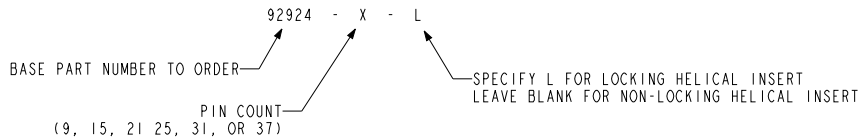
8. FINISH:

CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000200 THICK.  
 GOLD PLATE IAW ASTM B488, TYPE I, CODE A, .000050/.000150 THICK.

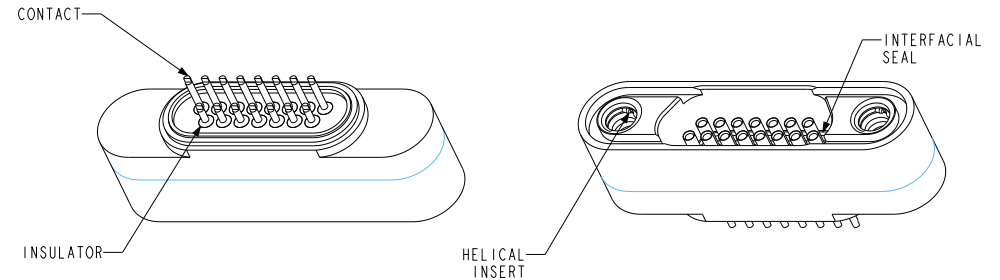
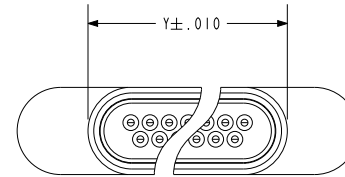
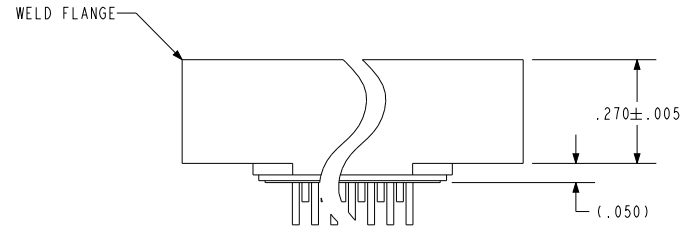
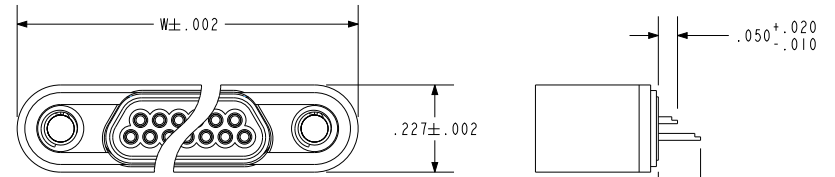
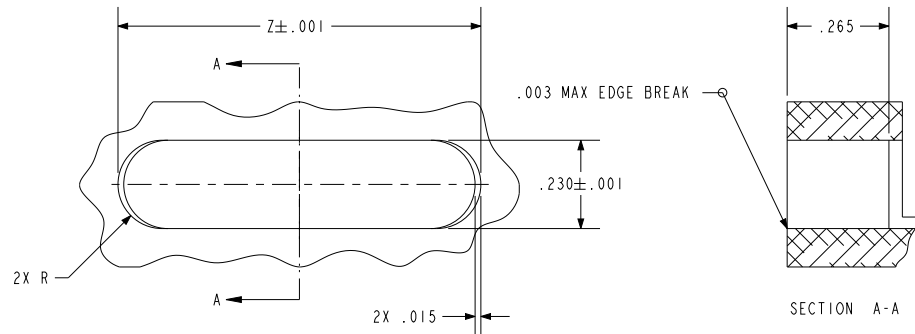
SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS 1A.


9. ORDERING INFORMATION:

PLEASE SPECIFY ACCORDING TO THE FOLLOWING

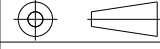


NUMBER OF CONTACTS	W	Y	Z
9	.792	.422	.795
15	.942	.572	.945
21	1.092	.722	1.095
25	1.192	.822	1.195
31	1.342	.972	1.345
37	1.492	1.122	1.495





**PACIFIC AEROSPACE & ELECTRONICS, INC.**  
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TITLE: CONNECTOR, MICRO-D, LOW-PROFILE, AL-COMPATIBLE	THIRD ANGLE PROJECTION  CAGE CODE: 64567
<b>SALES DRAWING</b>	SHEET: 1 OF 1 DOCUMENT: 0-92924

VERSION C.1	RELEASE DATE: 01-13-11
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