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 $1X10^{-9}$ CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
6. ELECTRICAL REQUIREMENTS:

   INSULATION RESISTANCE: GREATER THAN 5,000 MEGOHMS AT 500±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:

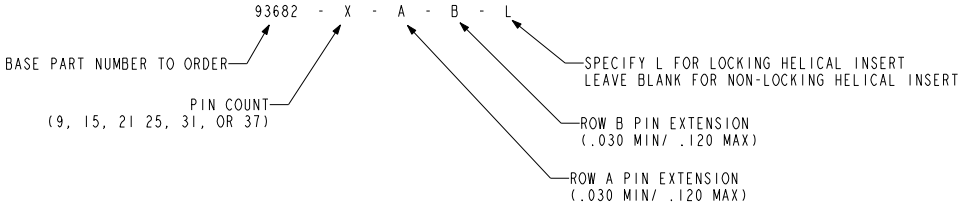
   SHELL: EXPLOSION BONDED STAINLESS STEEL TO 4XXX-SERIES ALUMINUM.
   CONTACTS: BERYLLIUM-COPPER IAW ASTM B196 OR ASTM B197.
   INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
   INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS 1, TYPE II, GRADE 60.
   HELICAL INSERTS: 300-SERIES STAINLESS STEEL.

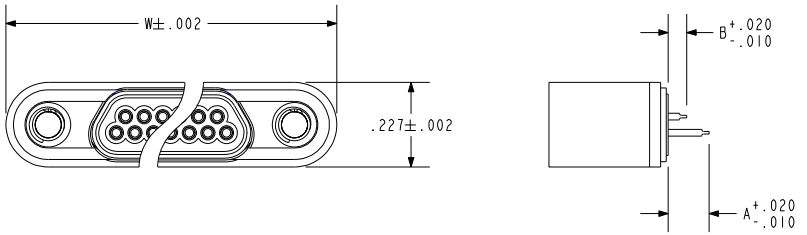
8. FINISH:
   CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
   GOLD PLATE IAW ASTM B488, TYPE 1, CODE A, .000050/.000150 THICK.

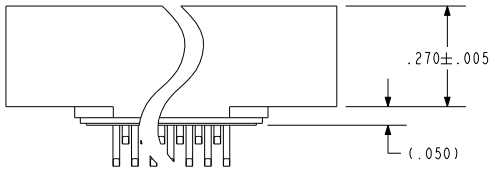
   SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS 1A.

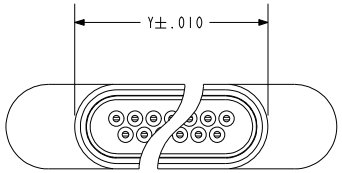
9. ORDERING INFORMATION:

   PLEASE SPECIFY ACCORDING TO THE FOLLOWING

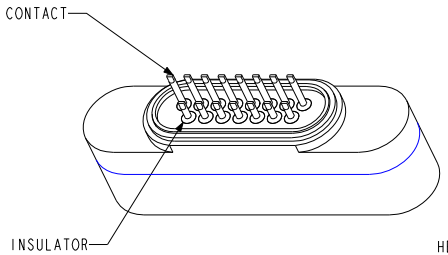


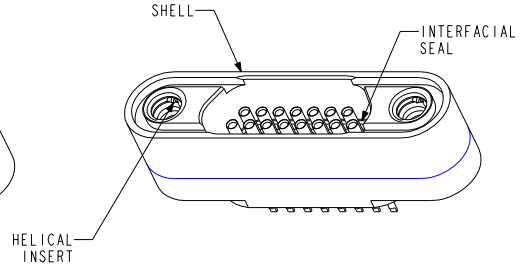



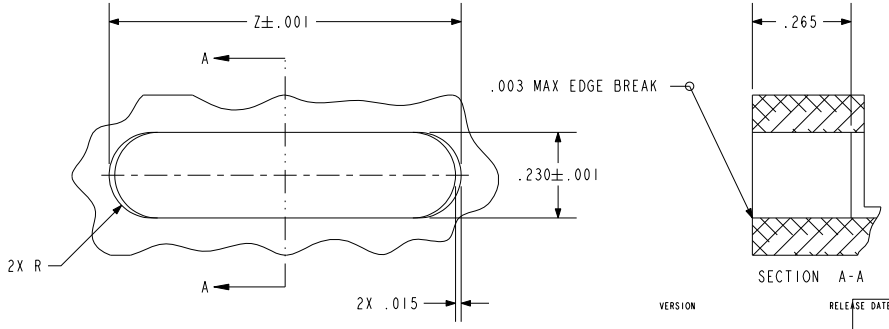




| TABLE 1 | | | |
|---|---|---|---|
| NUMBER OF CONTACTS | W | Y | Z |
| 9 | .792 | .422 | .795 |
| 15 | .942 | .572 | .945 |
| 21 | 1.092 | .722 | 1.095 |
| 25 | 1.192 | .822 | 1.195 |
| 31 | 1.342 | .972 | 1.345 |
| 37 | 1.492 | 1.122 | 1.495 |




VERSION

RELEASE DATE: 04-14-04

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

TITLE: CONNECTOR, MICRO-D, LOW-PROFILE, AL-COMPATIBLE, WITH FLATS

THIRD ANGLE PROJECTION

CAGE CODE: 64567

**SALES DRAWING**

SHEET: 1 OF 1

DOCUMENT: 0-93682