

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 FOR LASER WELDING 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.
 WIRE: 26 AWG PER M22759.

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.

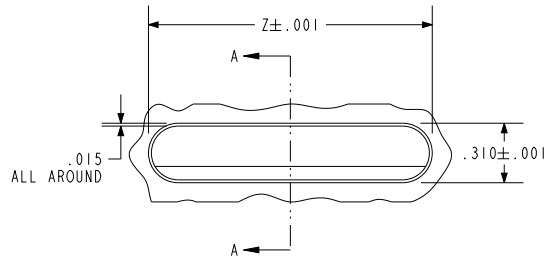
SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS IA.

8. ORDERING INFORMATION:

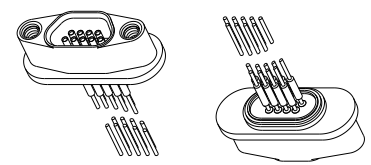
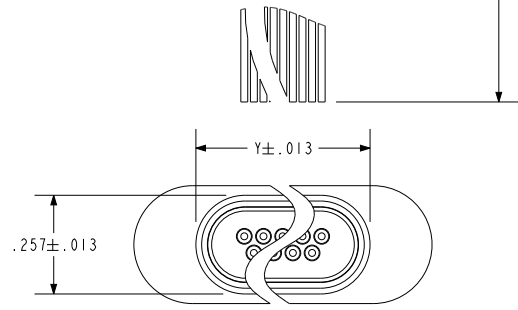
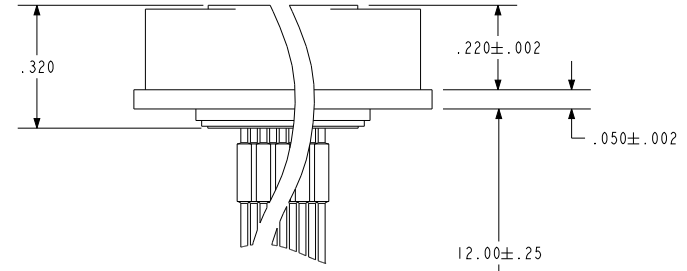
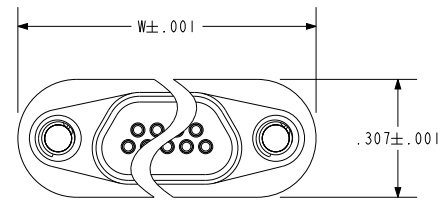
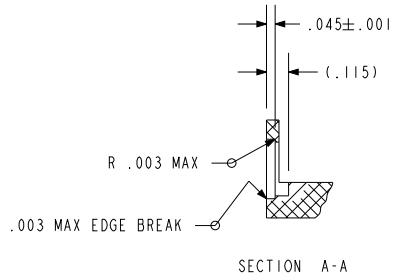
PLEASE SPECIFY ACCORDING TO THE FOLLOWING: 94072 - X

- PIN COUNT (9, 15, 21, 25, 31, OR 37)
- BASE PART NUMBER TO ORDER

TABLE I			
NUMBER OF CONTACTS	W	Y	Z
9	.775	.453	.778
15	.925	.603	.928
21	1.075	.753	1.078
25	1.175	.853	1.178
31	1.325	1.003	1.328
37	1.475	1.153	1.478



HOLE DETAIL



SCALE 1.000 (-9 SHOWN)

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

TITLE: CONNECTOR, MICRO-D, AL-COMPATIBLE, FLANGED, WIRED

THIRD ANGLE PROJECTION

CAGE CODE: 64567

VERSION: A.1 RELEASE DATE: 09-14-11 SHEET: 1 OF 1 DOCUMENT: 0-94072

SALES DRAWING