

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.
- 5. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1×10^{-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:
 - 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 I, 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 MIL-G-45204, TYPE II, GRADE C, .000050/.000100 THICK.

SHELL: MIL-C-5541, CLASS 1A

- 9. ORDERING INFORMATION:
 - PLEASE SPECIFY ACCORDING TO THE FOLLOWING

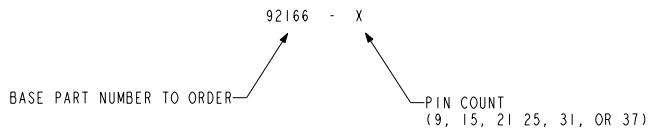
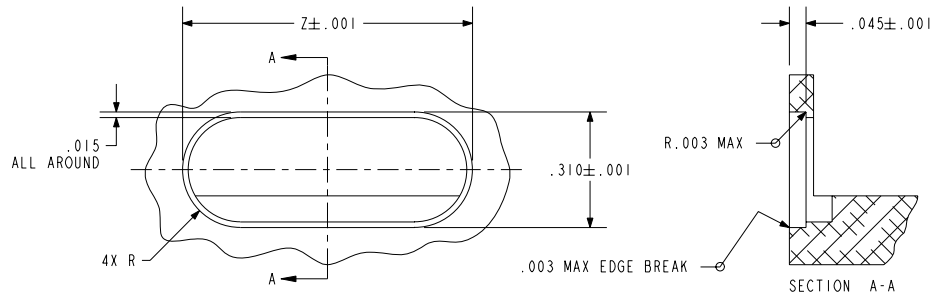
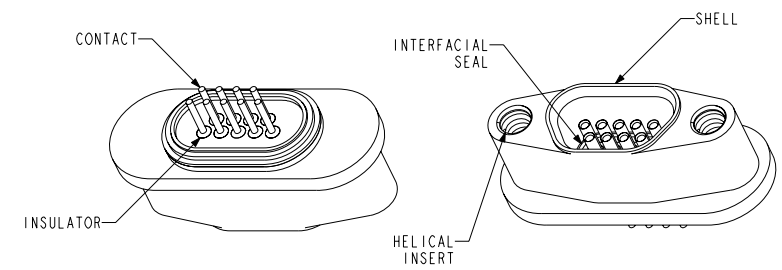
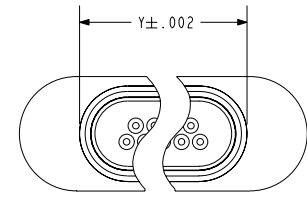
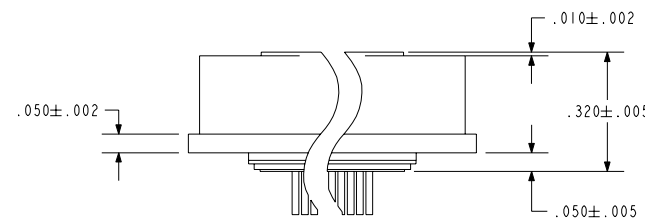
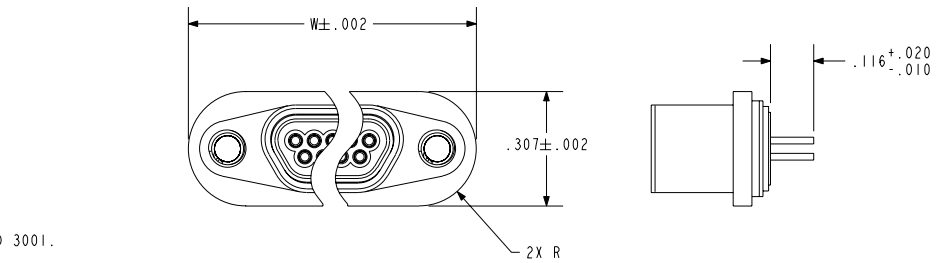


TABLE I			
NUMBER OF CONTACTS	W	Y	Z
9	.775	.452	.778
15	.925	.602	.928
21	1.075	.752	1.078
25	1.175	.852	1.178
31	1.325	1.002	1.328
37	1.475	1.152	1.478



HOLE DETAIL



PACIFIC AEROSPACE & ELECTRONICS, INC.
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TITLE: CONNECTOR, MICRO-D, AL-COMPATIBLE, STD-PROFILE, W/FLATS	THIRD ANGLE PROJECTION 	CAGE CODE: 64567
RELEASE DATE: 07-19-05	THE INFORMATION HEREIN CONTAINS PROPRIETARY RIGHTS OF PACIFIC AEROSPACE & ELECTRONICS AND SHALL NOT BE USED, REPRODUCED, OR DISCLOSED TO THIRD PARTIES FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY PACIFIC AEROSPACE & ELECTRONICS	SHEET: 1 OF 1
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