

NOTES:

- HOLES AND INTERFACE DIMENSIONS PER MIL-PRF-83513/2.
- MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-PRF-83513/1 AND MIL-PRF-83513/3.
- DESIGNED FOR LASER WELDING TO AN ALUMINUM HOUSING.
- HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1×10^{-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.

6. 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.
 WIRE: 26 AWG PER M22759/33-26.

7. FINISH:

CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
 GOLD PLATE IAW MIL-G-45204, TYPE III, GRADE A, .000050/.000150 THICK.

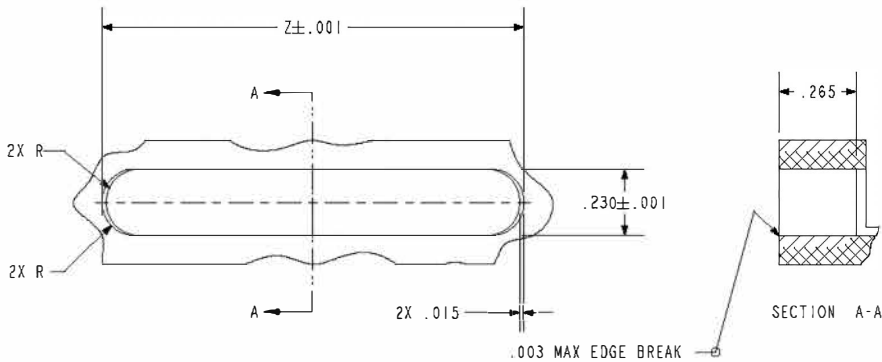
SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS 1A.

8. ORDERING INFORMATION:

PLEASE SPECIFY ACCORDING TO THE FOLLOWING: 92951 - X

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

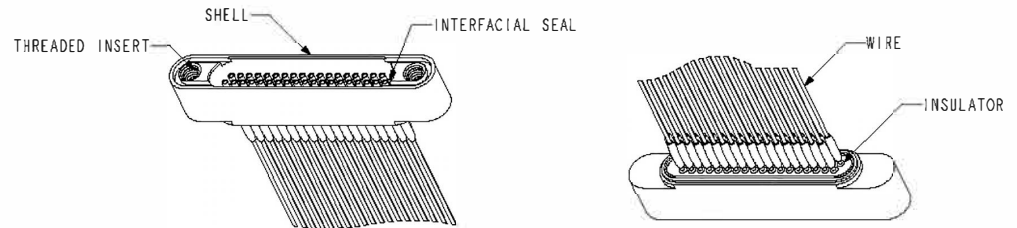
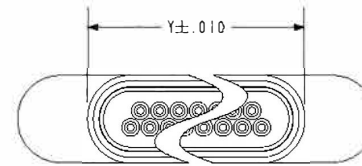
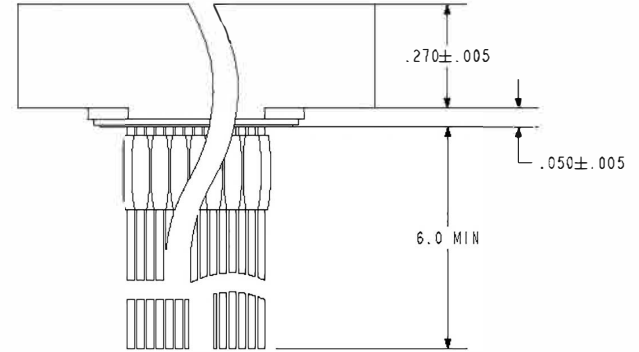
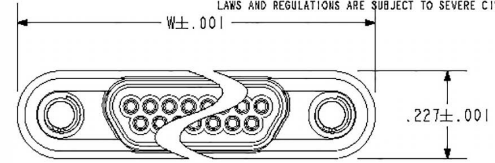
TABLE 1			
NUMBER OF CONTACTS	W	Y	Z
9	.792	.423	.795
15	.942	.573	.945
21	1.092	.723	1.095
25	1.192	.823	1.195
31	1.342	.973	1.345
37	1.492	1.123	1.495



HOLE DETAIL

VERSION: A.1
 RELEASE DATE: 08-09-12

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SCALE: 1.000
 -37 SHOWN

PA&E
 The Helmetic Advantage
 A Division of
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 Pioneering Technology
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TITLE: HOLE DETAIL, LOW-PROFILE MICOR-D ASSY.

THIRD ANGLE PROJECTION

 CAGE CODE: 64567

SALES DRAWING

SHEET: 1 OF 1

DOCUMENT: 0-92951