

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 A TITANIUM HOUSING.
4. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO  $1 \times 10^{-9}$  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:
  - SHELL: EXPLOSION BONDED STAINLESS STEEL TO GRADE 1 OR 2 TITANIUM.
  - 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.
  - WIRE: 26 AWG PER M22759.
7. FINISH:
  - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
  - GOLD PLATE ASTM B488, TYPE I, CODE A, .000050/.000150 THICK.
8. ORDERING INFORMATION:
  - PLEASE SPECIFY ACCORDING TO THE FOLLOWING: 93319 - X
    - PIN COUNT (9, 15, 21, 25, 31, OR 37)
    - BASE PART NUMBER TO ORDER

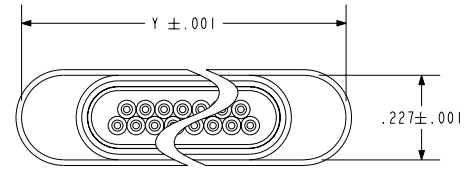
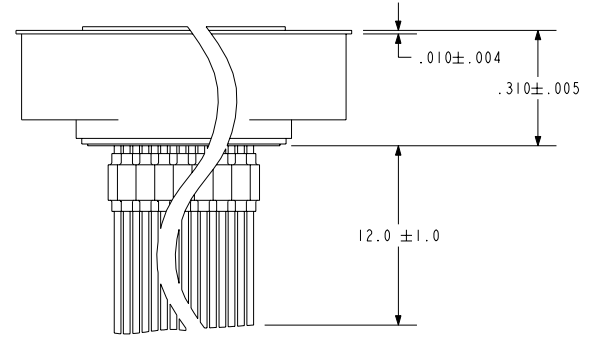
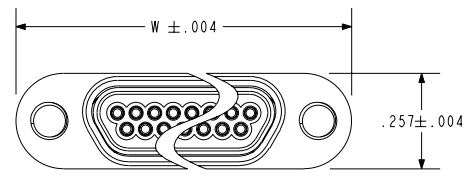
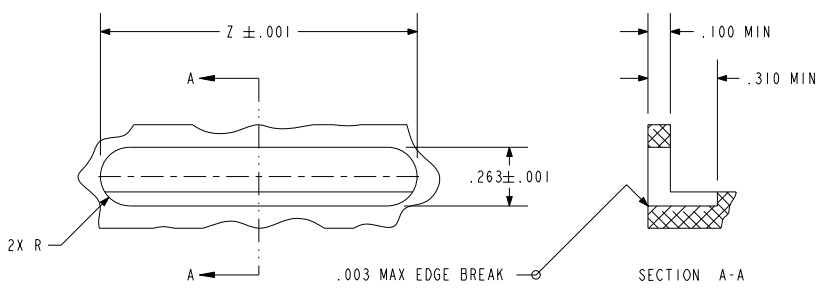
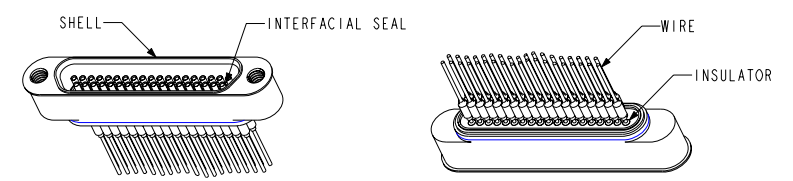


TABLE I			
NUMBER OF CONTACTS	W	Y	Z
9	.755	.715	.718
15	.905	.865	.868
21	1.055	1.015	1.018
25	1.155	1.115	1.118
31	1.305	1.265	1.268
37	1.455	1.415	1.418



HOLE DETAIL



SCALE 1.000  
-37 SHOWN

**PACIFIC AEROSPACE & ELECTRONICS, INC.**

434 Olds Station Rd. Wenatchee, Washington 98801

WWW.PACAERO.COM

TITLE: CONNECTOR, MICRO-D, TI-COMPATIBLE, FLANGED, LOW-PROFILE, WIRED

THIRD ANGLE PROJECTION

CAGE CODE: 64567

VERSION:      RELEASE DATE: 09-12-06

**SALES DRAWING**

SHEET: 1 OF 1

DOCUMENT: 0-93319

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