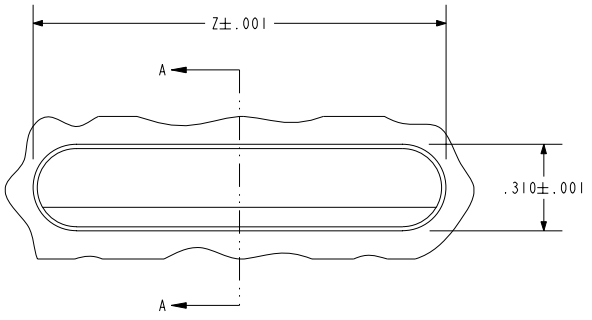


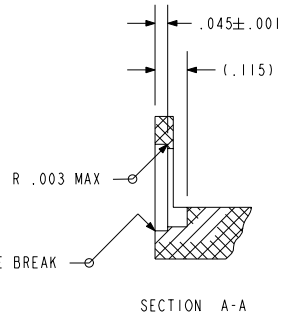
NOTES:

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  $1 \times 10^{-9}$  CC/SEC  $H_e$  AT 1 ATM DIFFERENTIAL PRESSURE.
5. ELECTRICAL REQUIREMENTS:
  - INSULATION RESISTANCE: GREATER THAN 5,000 MEGOHMS AT  $500 \pm 10\%$  VDC AT  $25^\circ C$  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.
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

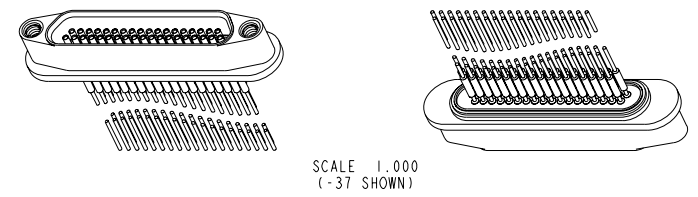
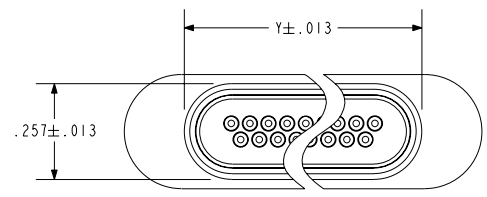
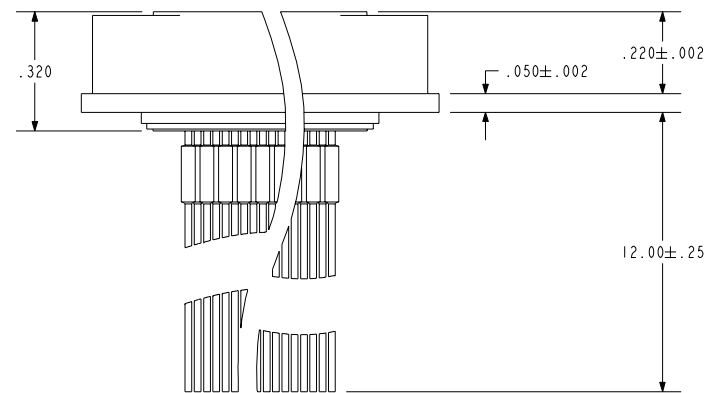
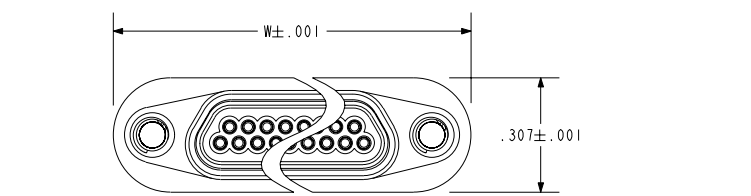
TABLE I			
NUMBER OF CONTACTS	W	Y	Z
9	.775	.453	.778
15	.925	.603	.928
21	1.075	.753	1.078
25	1.175	.853	1.178
31	1.325	1.003	1.328
37	1.475	1.153	1.478



HOLE DETAIL  
SCALE 1.500



SECTION A-A



**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

DOCUMENT: 0-94072

VERSION: .0      RELEASE DATE: 10-04-06

SALES DRAWING

SHEET: 1 OF 1

pro/ENGINEER