

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 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 300-SERIES STAINLESS STEEL TO 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 I, TYPE II, GRADE 60.

- 7. FINISH:  
CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000200 THICK.  
GOLD PLATE IAW ASTM-B488, TYPE I, CODE A, .000050/.000150 THICK.

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

93322 - 15 - 070 - 110

BASE PART NUMBER TO ORDER

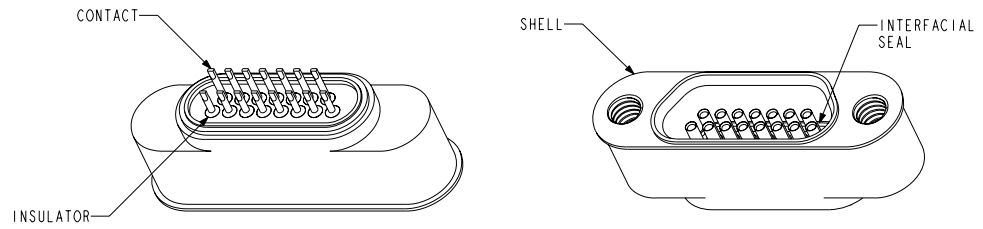
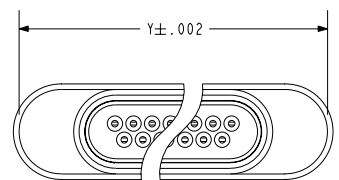
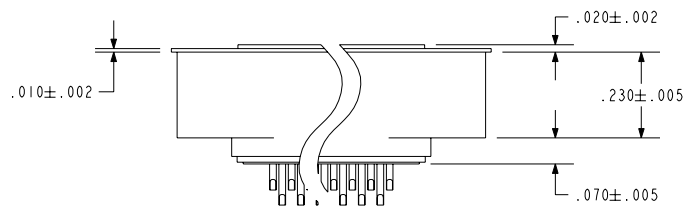
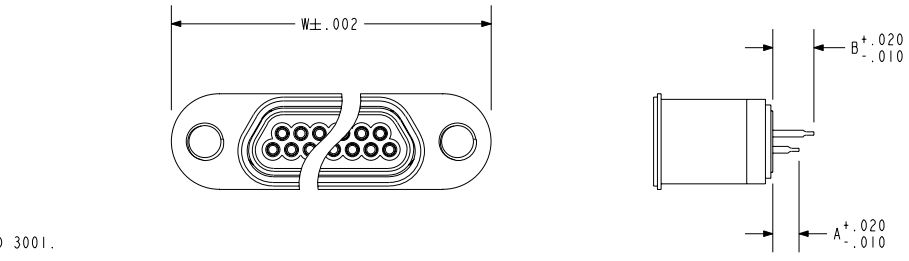
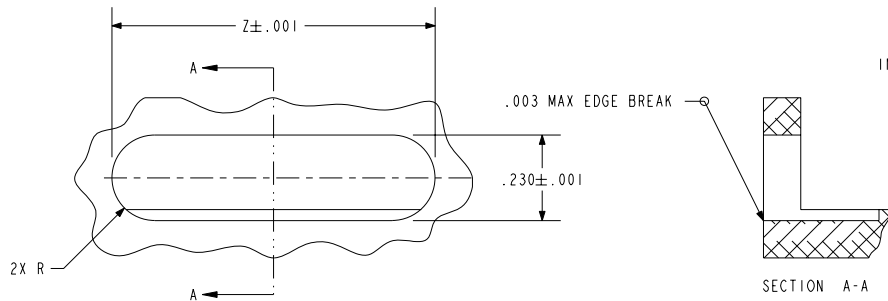
PIN COUNT  
(9, 15, 21, 25, 31, OR 37)

ROW A PIN EXTENSION  
(.030 MIN/.120 MAX)

ROW B PIN EXTENSION  
(.030 MIN/.120 MAX)

TABLE 1

NUMBER OF CONTACTS	W	Y	Z
9	.745	.715	.718
15	.895	.865	.868
21	1.045	1.015	1.018
25	1.145	1.115	1.118
31	1.295	1.265	1.268
37	1.445	1.415	1.418



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

TITLE: CONNECTOR, MICRO-D, TI-COMPATIBLE, FLANGE, LOW-PROFILE, W/FLATS

THIRD ANGLE PROJECTION

CAGE CODE: 64567

DOCUMENT: 0-93322

VERSION:      RELEASE DATE: 05-07-03

**SALES DRAWING**

SHEET: 1 OF 1

pro/ENGINEER