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 $1X10^{-9}$ CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
5. ELECTRICAL REQUIREMENTS:

   INSULATION RESISTANCE: GREATER THAN 5,000 MEGOHMS AT 500±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:

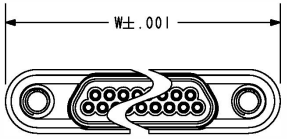
   SHELL: EXPLOSION BONDED STAINLESS STEEL TO 4XXX-SERIES ALUMINUM.
   CONTACTS: BERYLLIUM-COPPER IAW ASTM B196 OR ASTM B197.
   INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
   INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS 1, TYPE II, GRADE 60.
   HELICAL INSERTS: 300-SERIES STAINLESS STEEL.
   WIRE: 26 AWG PER M22759.
7. FINISH:
   CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
   GOLD PLATE IAW MIL-G-45204, TYPE II, GRADE C, .000050/.000150 THICK.

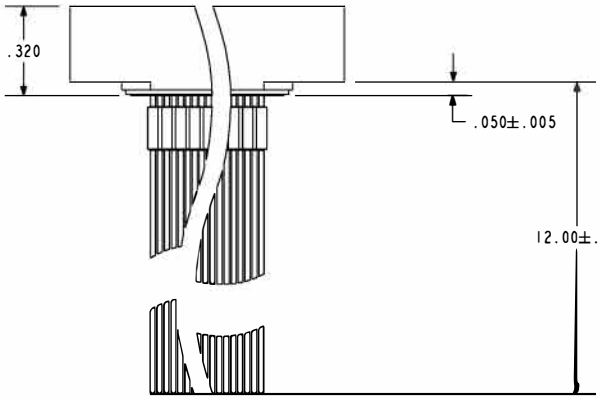
   SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS 1A.
8. ORDERING INFORMATION:

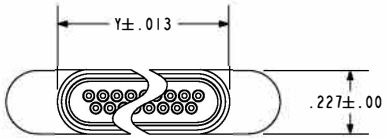
   PLEASE SPECIFY ACCORDING TO THE FOLLOWING: 94071 - X - XX

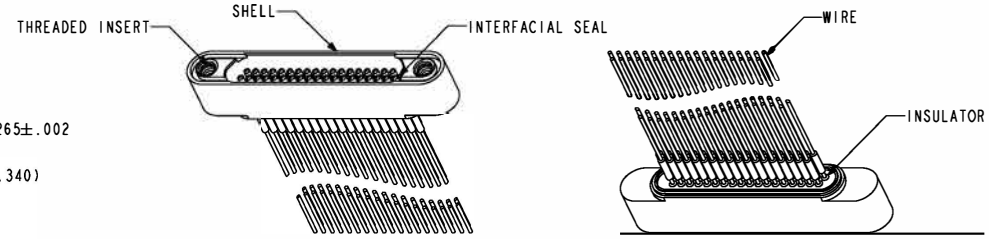
   - THREADED INSERT TYPE:
     FR - FREE RUNNING
     SL - SELF LOCKING
   - PIN COUNT (9, 15, 21 25, 31, OR 37)
   - BASE PART NUMBER TO ORDER

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

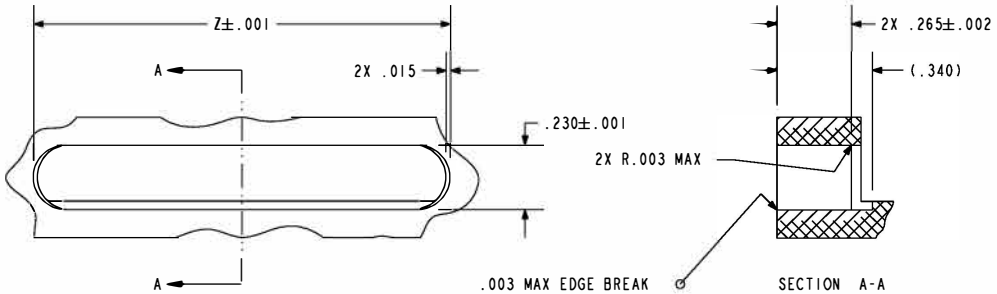








SCALE 1.000
(-37 SHOWN)



HOLE DETAIL

SCALE 1.500

PA&E A Division of HERMETIC SOLUTIONS
434 Olds Station Rd. Wenatchee WA 98801
WWW. PACAERO. COM

TITLE: CONNECTOR, MICRO-D, AL-COMPATIBLE, LOW PROFILE, WIRED

THIRD ANGLE PROJECTION

CAGE CODE: 64567

VERSION	RELEASE DATE:		SHEET:	DOCUMENT:
-.0	10-04-06	**SALES DRAWING**	1 OF 1	0-94071