WARNING - THIS DOCUMENT CONTAINS TECHNICAL DATA, EXPORT OF WHICH IS RESTRICTED BY THE EXPORT ADMINISTRATION REGULATIONS (EAR). DISCLOSURE TO FOREIGN PERSONS WITHOUT PRIOR U.S. GOVERNMENT APPROVAL IS PROHIBITED. VIOLATIONS OF THE EXPORT LAWS AND REGULATIONS ARE SUBJECT TO SEVERE CIVIL AND CRIMINAL PENALTIES.

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 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 500 VAC RMS 60 Hz IAW MIL-STD-1344, METHOD 3001. DURATION OF APPLICATION TO BE 1 SEC MIN.

6. MATERIALS:

   SHELL: EXPLOSION BONDED 300-SERIES 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.

7. FINISHES:

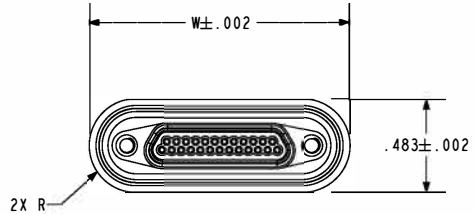
   CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000050/.000150 THICK.
   GOLD PLATE IAW ASTM-B488, TYPE III, CODE C, .000050/.000100 THICK.

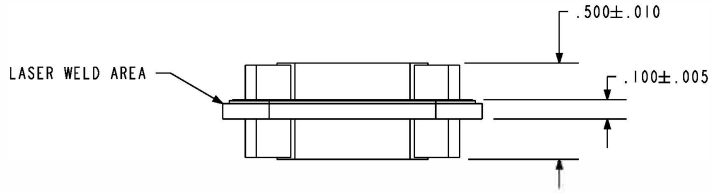
8. ORDERING INFORMATION:

   PLEASE SPECIFY ACCORDING TO THE FOLLOWING

   94020 - 9

   BASE PART NUMBER TO ORDER — NUMBER OF CONTACTS





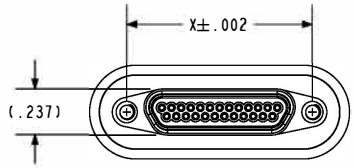
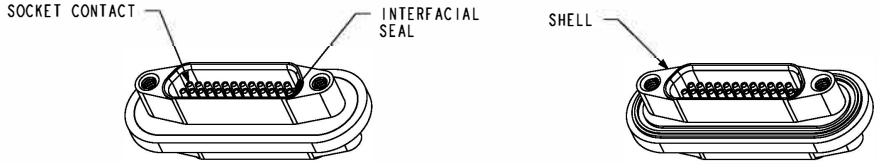
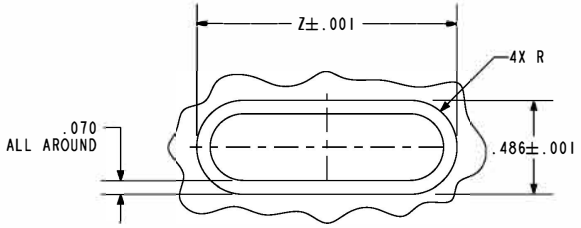


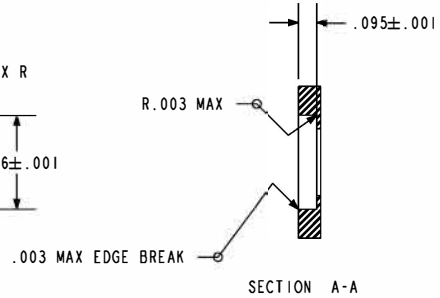
TABLE 1				
PART NUMBER	W	X	Z	CONTACTS
94020-9	.951	.565	.954	9
94020-15	1.101	.715	1.104	15
94020-21	1.251	.865	1.254	21
94020-25	1.351	.965	1.354	25
94020-31	1.501	1.115	1.504	31
94020-37	1.651	1.265	1.654	37



(-25 SHOWN FOR REFERENCE ONLY)



HOLE DETAIL



SECTION A-A

PA&E The Hermetic Assurance — A Division of HERMETIC SOLUTIONS Enabling Technology
434 Olds Station Rd. Wenatchee WA 98801
WWW. PACAERO. COM

TITLE: CONNECTOR, MICRO-D, DOUBLE-ENDED, AL COMPATIBLE

THIRD ANGLE PROJECTION

CAGE CODE: 64567

VERSION	RELEASE DATE:		SHEET:	DOCUMENT:
F.-	06-17-13	SALES DRAWING	1 OF 1	0-94020