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

6. MATERIALS:

   WELD FLANGE: 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.

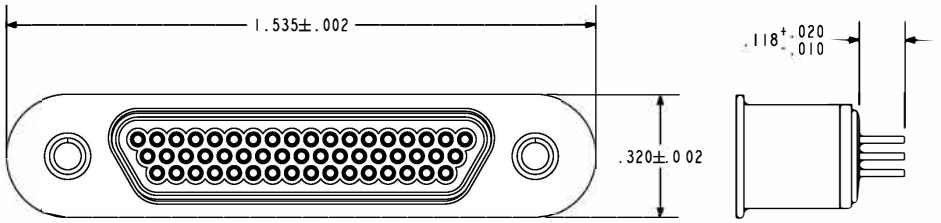
7. FINISH:
   CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
   GOLD PLATE IAW MIL-G-45204, TYPE II, GRADE C, .000050/.000150 THICK.

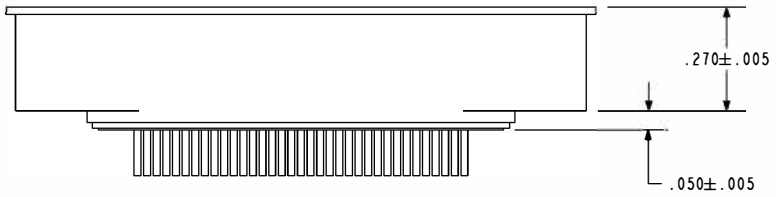
   SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS 1A.

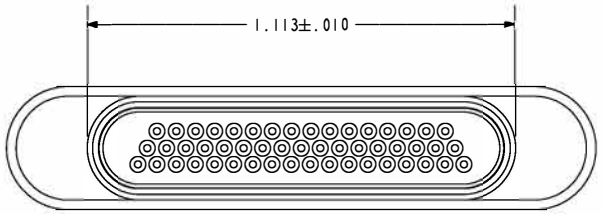
8. ORDERING INFORMATION:

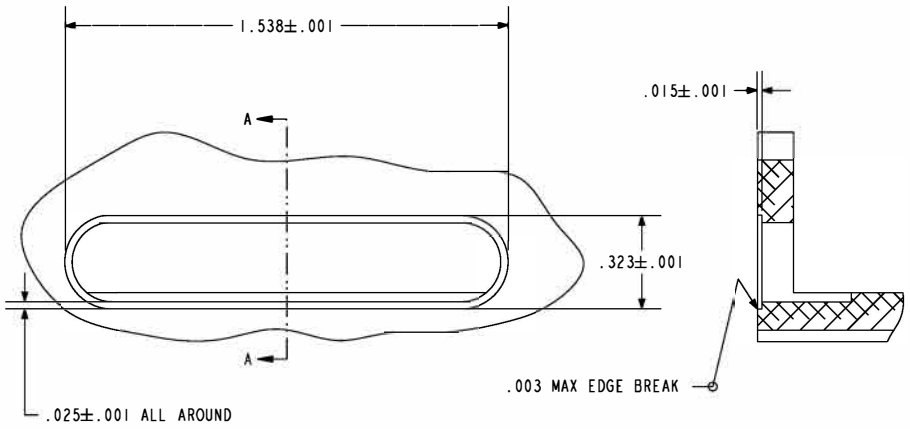
   PLEASE SPECIFY ACCORDING TO THE FOLLOWING

   94581 - 1



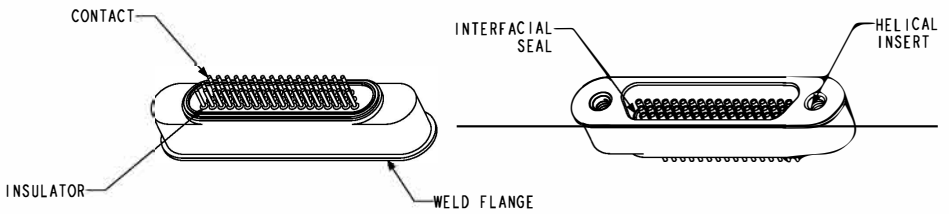






RECOMMENDED HOLE DETAIL

SECTION A-A



SCALE 1.000

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

TITLE: 51 PIN FLANGED MICRO-D ASSY.

THIRD ANGLE PROJECTION

CAGE CODE: 64567

VERSION	RELEASE DATE:		SHEET:	DOCUMENT:
-.0	07-22-11	**SALES DRAWING**	1 OF 1	0-94581