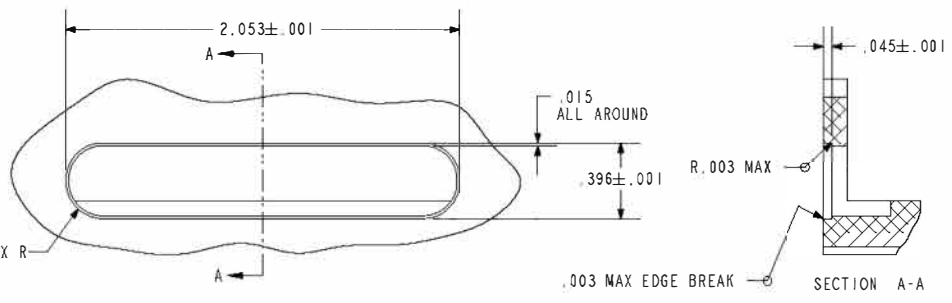
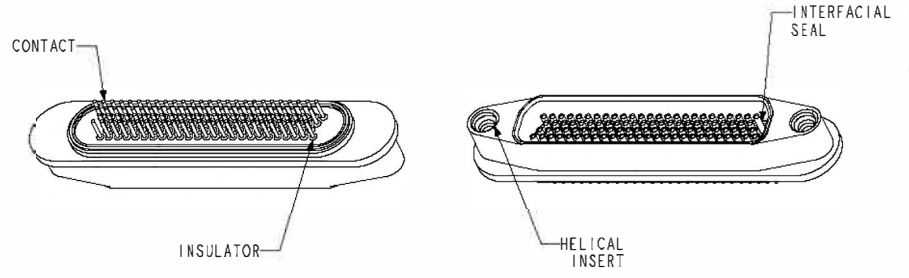
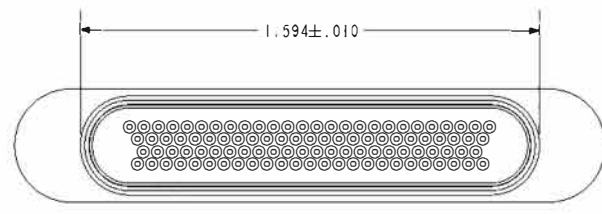
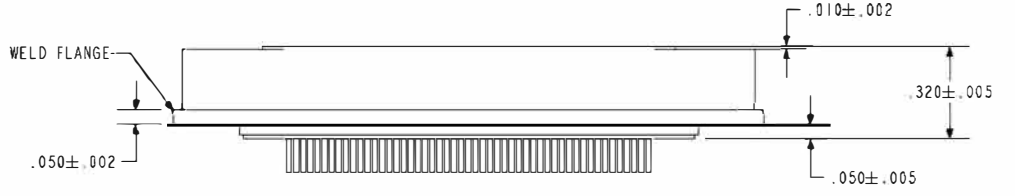
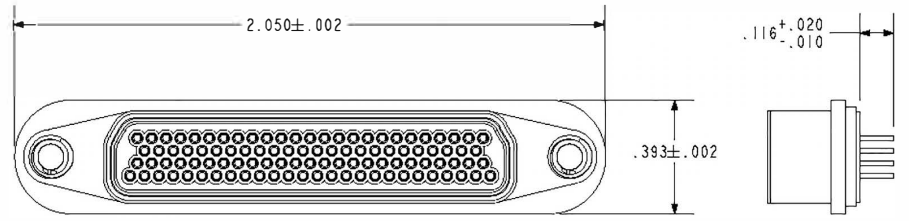


NOTES:

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  $1 \times 10^{-9}$  CC/SEC  $H_2$  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:
  - 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 ASTM B488, TYPE II, CODE C OR 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
  - 92614 - 1



RECOMMENDED HOLE DETAIL

**PA&E**  
The Hermetic Advantage  
A Division of  
**HERMETIC SOLUTIONS**  
Building Technology  
434 Olds Station Rd. Wenatchee WA 98801

WWW.PACAERO.COM

TITLE: CONNECTOR, MICRO-D, STD-PROFILE, AL-COMP., 100 PIN  
THIRD ANGLE PROJECTION

VERSION: A.2  
RELEASE DATE: 01-20-11

SALES DRAWING

SHEET: 1 OF 1

CAGE CODE: 64567

DOCUMENT: 0-92614