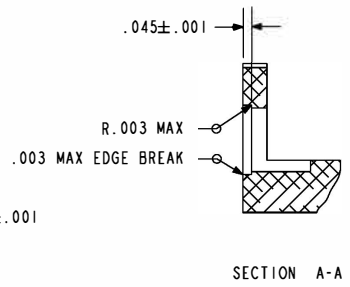
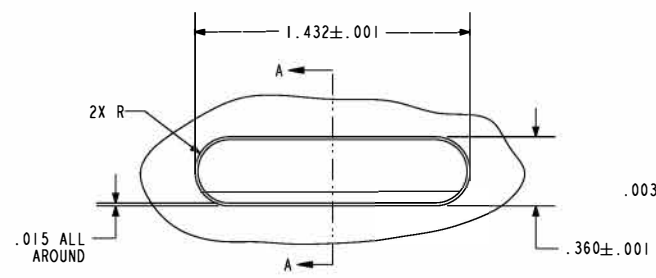
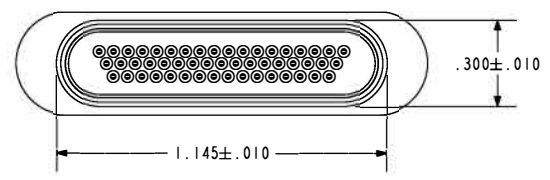
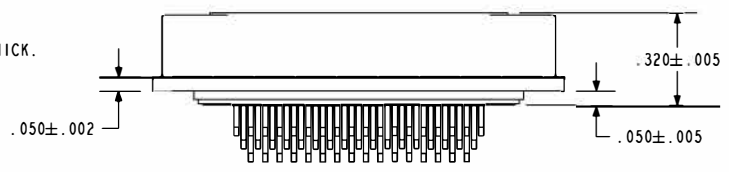
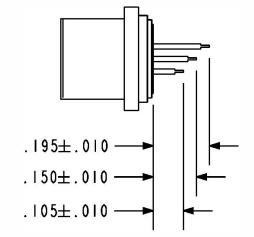
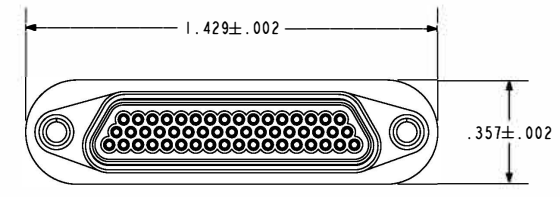


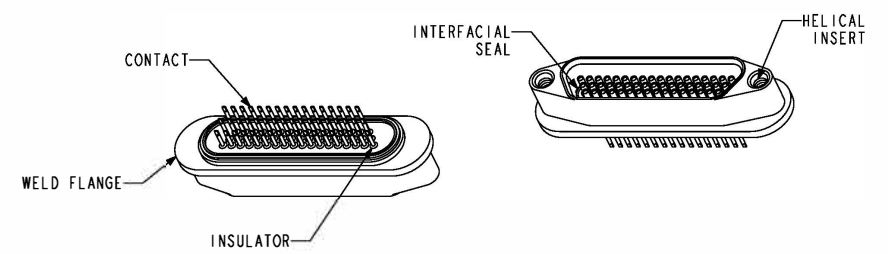
THESE PRODUCTS ARE SUBJECT TO THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS ("ITAR"), AND MAY NOT BE RESOLD, DIVERTED, TRANSFERRED, TRANSHIPED, OR OTHERWISE BE DISPOSED OF IN ANY OTHER COUNTRY, EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED THROUGH AN INTERMEDIATE PROCESS INTO OTHER END ITEMS, WITHOUT THE PRIOR WRITTEN APPROVAL OF THE U.S. DEPARTMENT OF STATE. IN ADDITION, RELATED TECHNICAL DATA MAY NOT BE DISCLOSED, EXPORTED OR TRANSFERRED IN ANY MANNER TO ANY FOREIGN NATIONAL OR ANY FOREIGN COUNTRY, WITHOUT PRIOR WRITTEN APPROVAL OF THE DIRECTORATE OF DEFENSE TRADE CONTROLS, U.S. DEPARTMENT OF STATE.

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 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:  
 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 I, 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/.000100 THICK.  
 SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS IA.
8. ORDERING INFORMATION:  
 PLEASE SPECIFY ACCORDING TO THE FOLLOWING  
 94724 - 1



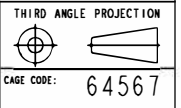
HOLE DETAIL



**P&E**  
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**HERMETICSOLUTIONS**  
 434 Olds Station Rd. Wenatchee WA 98801

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TITLE:  
 CONNECTOR, MICRO-D, 51-PIN, REVERSE STAGGERED LEADS, FLANGED



VERSION: .0

RELEASE DATE: 02-09-11

SALES DRAWING

SHEET: 1 OF 1

DOCUMENT: 0-94724