

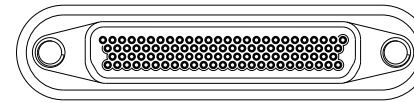
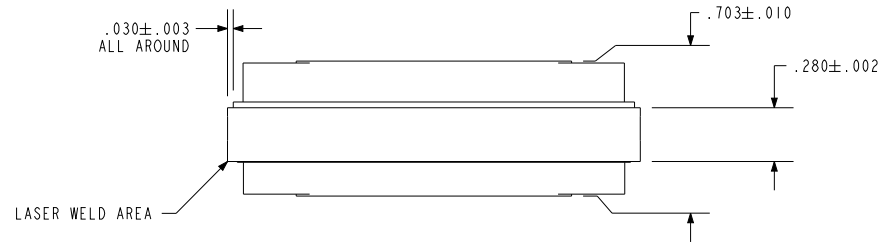
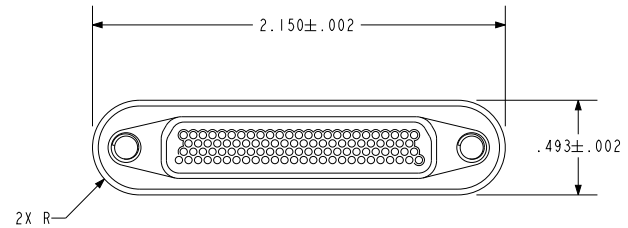
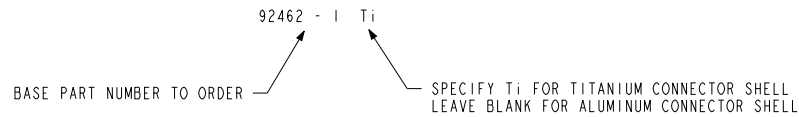
NOTES:

- HOLES AND INTERFACE DIMENSIONS PER MIL-PRF-83513/2.
- MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-PRF-83513/1 AND MIL-PRF-83513/3.
- DESIGNED TO BE LASER WELDED TO AN ALUMINUM OR TITANIUM HOUSING.
- HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1×10^{-9} CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
- 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.

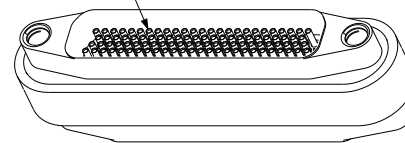
- MATERIALS:
 - SHELL: 300-SERIES STAINLESS STEEL EXPLOSION BONDED TO COMPATIBLE ALUMINUM OR TITANIUM.
 - CONTACTS: BERYLLIUM-COPPER IAW ASTM B196 OR ASTM B197.
 - INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
 - INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS I, TYPE II, GRADE 60.
 - HELICAL INSERTS: 300-SERIES STAINLESS STEEL.

- FINISHES:
 - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
GOLD PLATE IAW ASTM-B488, TYPE III, CODE A, .000050/.000100 THICK.
 - ALUMINUM SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS IA.

- ORDERING INFORMATION:
 - PLEASE SPECIFY ACCORDING TO THE FOLLOWING



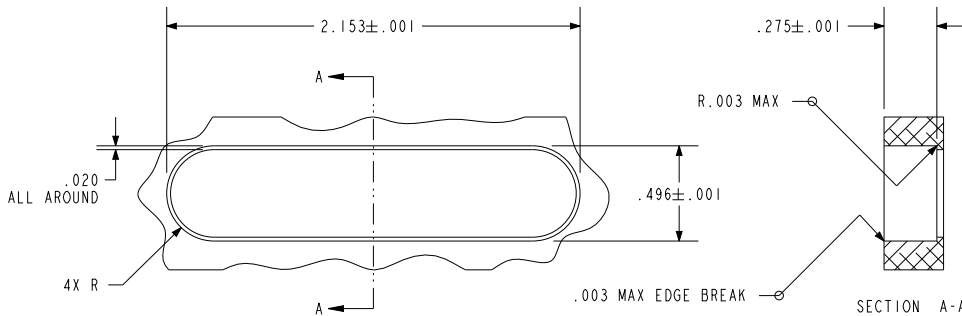
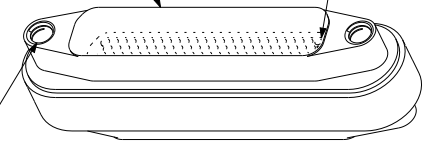
SOCKET CONTACT




SHELL

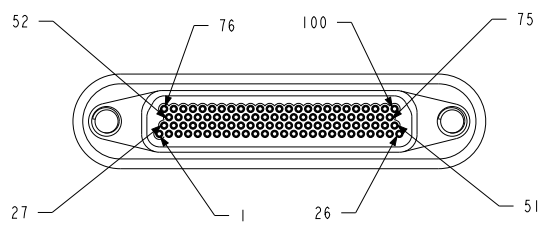
INTERFACIAL SEAL

HELICAL INSERT ONLY WITH ALUMINUM SHELL

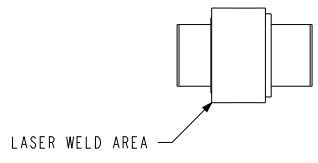


HOLE DETAIL

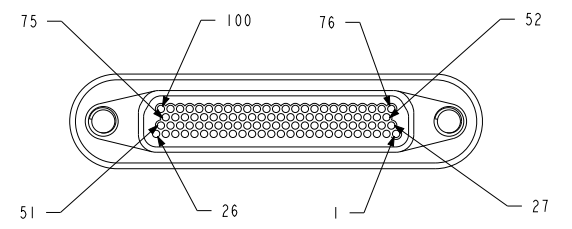
 PACIFIC AEROSPACE & ELECTRONICS, INC. 434 Olds Station Rd. Wenatchee, Washington 98801 WWW.PACAERO.COM	
TITLE: CONNECTOR, MICRO-D, DUAL, FLANGED (100 PIN)	
THIRD ANGLE PROJECTION	
CAGE CODE: 64567	
VERSION: K.1	RELEASE DATE: 10-27-09
SALES DRAWING	
SHEET: 1 OF 2	
DOCUMENT: 0-92462	



INTERFACE 1



LASER WELD AREA



INTERFACE 2

ROW 1

INTFC 1

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INTFC 2

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ROW 2

INTFC 1

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INTFC 2

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ROW 3

INTFC 1

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INTFC 2

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ROW 4

INTFC 1

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INTFC 2

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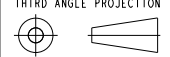
PACIFIC AEROSPACE & ELECTRONICS, INC.
434 Olds Station Rd. Wenatchee, Washington 98801

TITLE:

CONNECTOR, MICRO-D, DUAL, FLANGED (100 PIN)

WWW.PCTH.COM

THIRD ANGLE PROJECTION



CAGE CODE: 64567

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SHEET: 2 OF 2

DOCUMENT: 0-92462