

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 HOUSING.
- HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1×10^{-9} CC/SEC H_2 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.

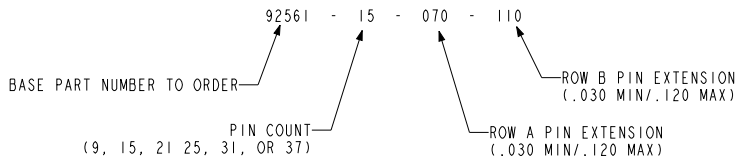
DIELECTRIC WITHSTANDING VOLTAGE: MUST SHOW NO EVIDENCE OF BREAKDOWN OR FLASHOVER WHEN SUBJECTED TO 600 VAC RMS 60Hz IAW MIL-STD-1344, METHOD 3001. DURATION OF APPLICATION TO BE 1 SEC MIN.

- MATERIALS:
 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.
 THREADED INSERTS: 304L STAINLESS STEEL

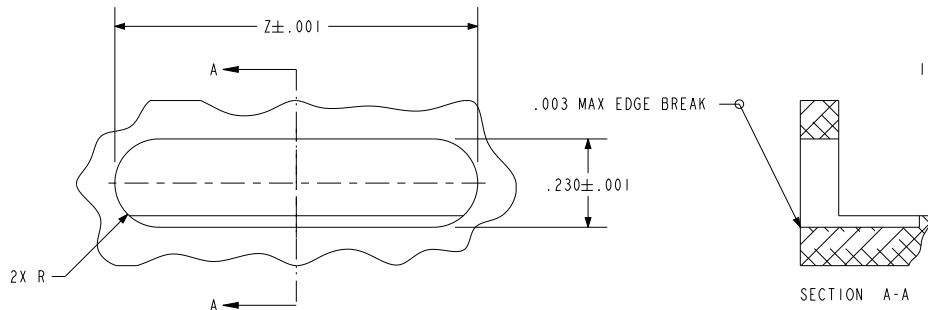
- FINISH:
 CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
 GOLD PLATE IAW ASTM B488, TYPE III, GRADE A OR MIL-G-45204, TYPE III, GRADE A, .000050/.000100 THICK.

8. ORDERING INFORMATION:

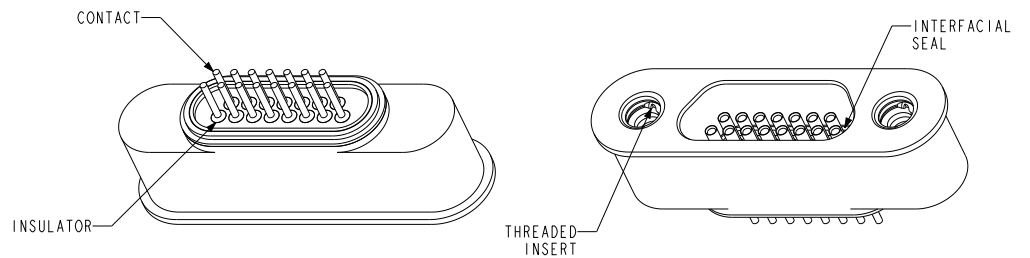
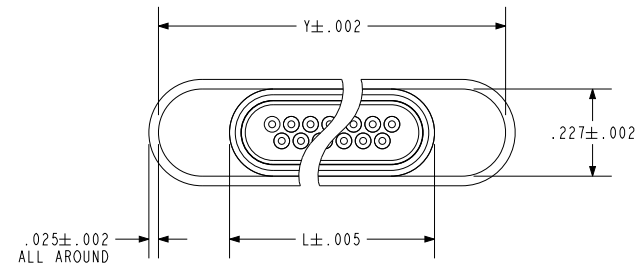
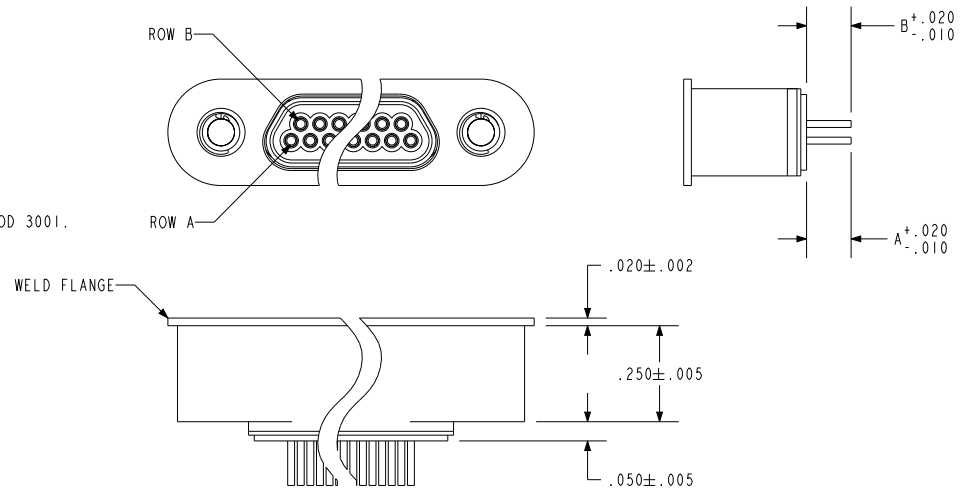
PLEASE SPECIFY ACCORDING TO THE FOLLOWING



NUMBER OF CONTACTS	Y	Z	L
9	.792	.795	.422
15	.942	.945	.572
21	1.092	1.095	.722
25	1.192	1.195	.822
31	1.342	1.345	.972
37	1.492	1.495	1.122



RECOMMENDED HOLE DETAIL



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

TITLE: CONNECTOR, MICRO-D, AL-COMPATIBLE, FLANGED, LOW-PROFILE

THIRD ANGLE PROJECTION

CAGE CODE: 64567

SALES DRAWING

SHEET: 1 OF 1

DOCUMENT: 0-92561

VERSION: C.2
 RELEASE DATE: 01-11-11