

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 1×10^{-9} CC/SEC H_e 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.
 SOLDER: Sn63Pb37 PER J-STD-006.
 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 III, CODE A, .000100/.000150 THICK.
 HOT SOLDER DIP BENT PIN (VACUUM SIDE) PINS.

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

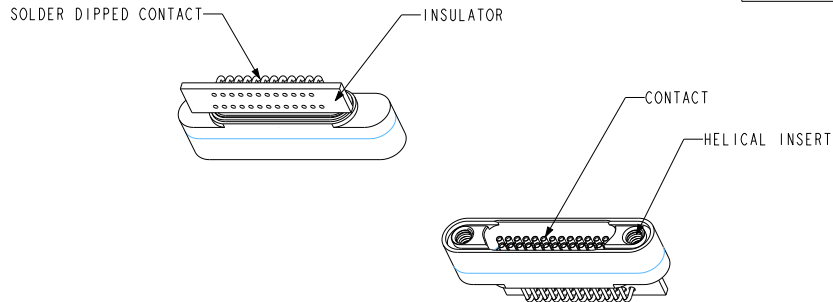
8. INTERFACIAL SEAL SHIPPED LOOSE AND UNASSEMBLED WITH CONNECTOR.

9. ORDERING INFORMATION:

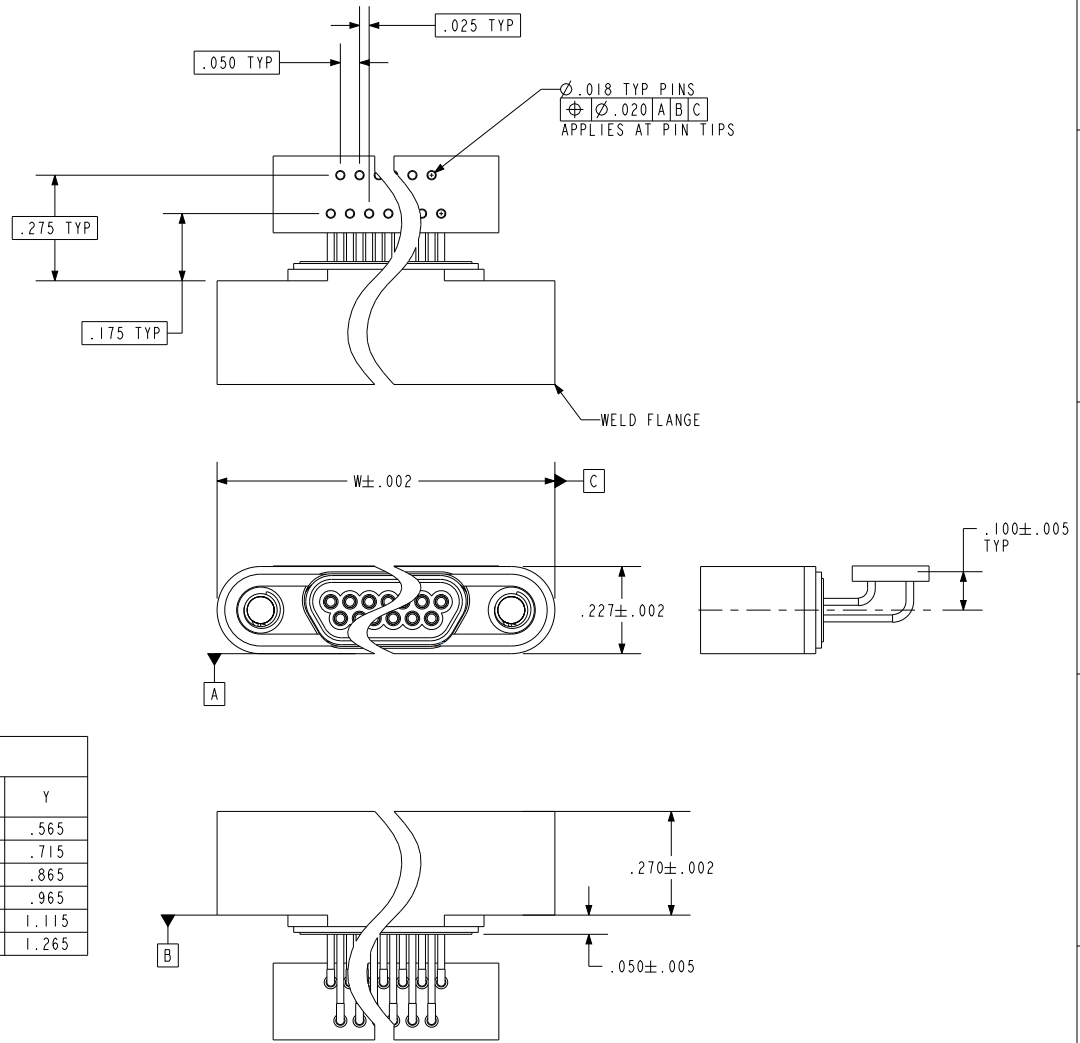
PLEASE SPECIFY ACCORDING TO THE FOLLOWING

BASE PART NUMBER TO ORDER \rightarrow 93302 - X \leftarrow PIN COUNT
 (9, 15, 21, 25, 31, 37)

NUMBER OF CONTACTS	W	Y
9	.792	.565
15	.942	.715
21	1.092	.865
25	1.192	.965
31	1.342	1.115
37	1.492	1.265



SCALE 1.000
 (-25 SHOWN)

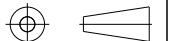


PACIFIC AEROSPACE & ELECTRONICS, INC.
 434 Olds Station Rd. Wenatchee, Washington 98801

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TITLE:
 CONNECTOR, MICRO-D, LOW PROFILE, AL-COMPATIBLE, BENT PIN

THIRD ANGLE PROJECTION



CAGE CODE: 64567

VERSION
 K.1

RELEASE DATE:
 01-13-11

SALES DRAWING

SHEET:
 1 OF 1

DOCUMENT:
 0-93302