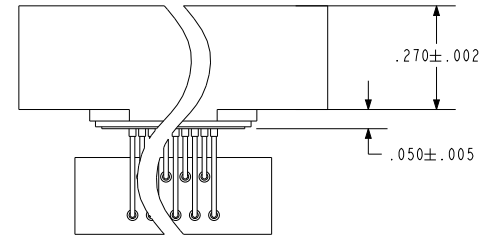
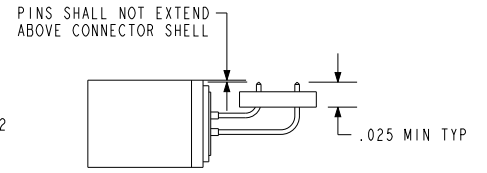
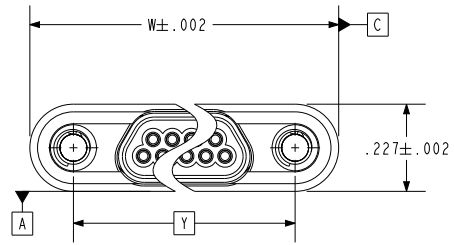
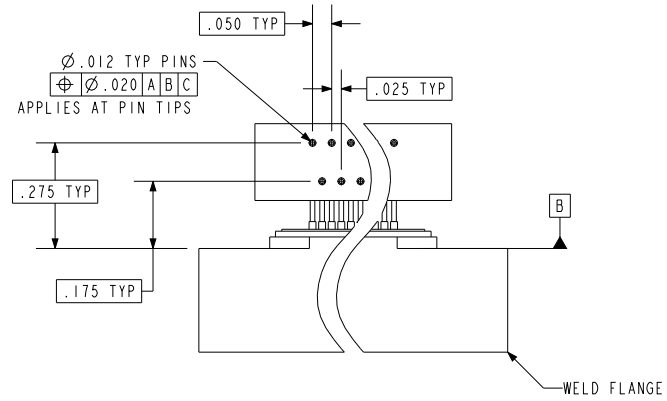
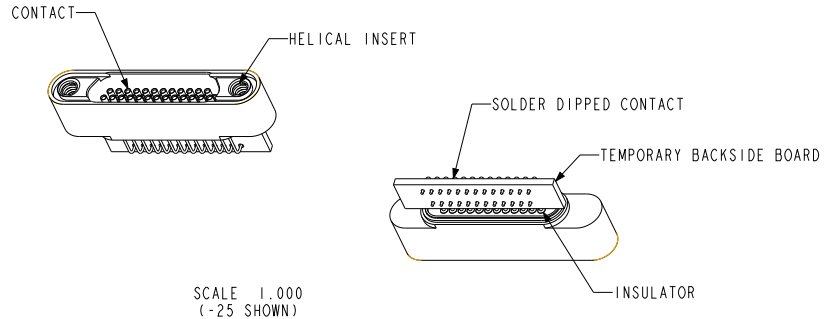


NOTES:

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 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.
 - 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-B-488, TYPE III, CODE A, .000100/.000150 THICK.
 - HOT SOLDER DIP BENT PIN (VACUUM SIDE) PINS.
8. INTERFACIAL SEAL SHIPPED LOOSE AND UNASSEMBLED WITH CONNECTOR.
9. TEMPORARY BACKSIDE BOARD TO BE REMOVED PRIOR TO ASSEMBLY.
10. ORDERING INFORMATION:
 - PLEASE SPECIFY ACCORDING TO THE FOLLOWING

BASE PART NUMBER TO ORDER \nearrow 93459 - X \nwarrow PIN COUNT (9, 15, 21, 25, 31, 37)

TABLE I		
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



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

TITLE: CONNECTOR, MICRO-D, LOW-PROFILE, AL-COMPATIBLE, STEPPED BENT-PIN W/BACKER		THIRD ANGLE PROJECTION 	
VERSION J.2		CAGE CODE: 64567	
RELEASE DATE: 01-13-11		DOCUMENT: 0-93459	
SALES DRAWING		SHEET: 1 OF 1	