

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 FOR LASER WELDING 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.
 - INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS I, TYPE II, GRADE 60.
 - HELICAL INSERTS: 300-SERIES STAINLESS STEEL.
 - WIRE: 26 AWG PER M22759.
7. FINISH:
 - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
 - GOLD PLATE IAW MIL-G-45204, TYPE II, GRADE C, .000050/.000150 THICK.
 - SHELL: CHEMICAL CONVERSION COAT IAW MIL-C-5541, CLASS IA.
8. ORDERING INFORMATION:
 - PLEASE SPECIFY ACCORDING TO THE FOLLOWING: 94071 - X - XX
 - THREADED INSERT TYPE: FR - FREE RUNNING, SL - SELF LOCKING
 - PIN COUNT (9, 15, 21, 25, 31, OR 37)
 - BASE PART NUMBER TO ORDER

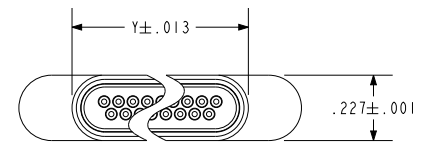
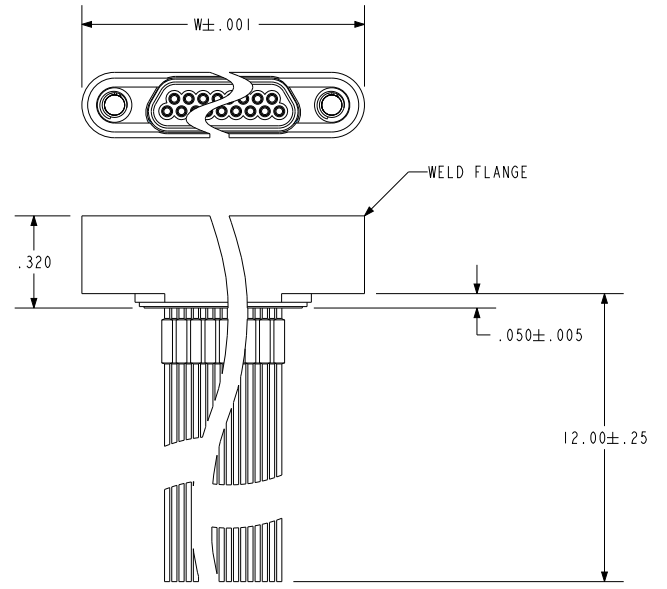
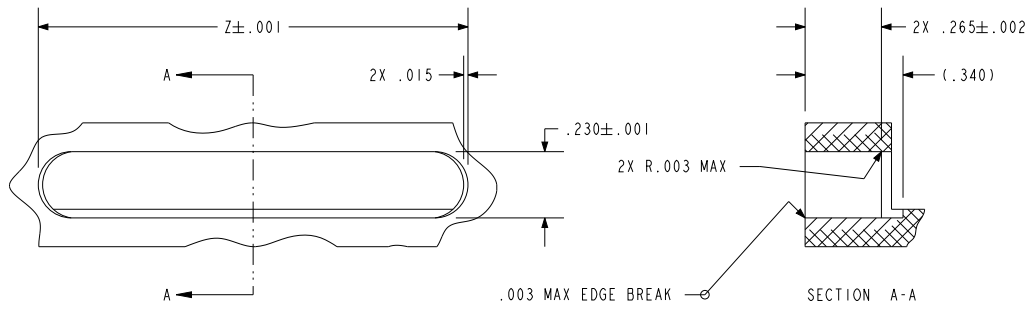
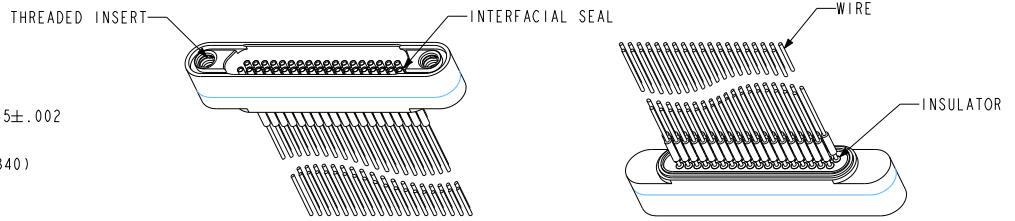



TABLE I			
NUMBER OF CONTACTS	W	Y	Z
9	.792	.423	.795
15	.942	.573	.945
21	1.092	.723	1.095
25	1.192	.823	1.195
31	1.342	.973	1.345
37	1.492	1.123	1.495



HOLE DETAIL
SCALE 1.500



SCALE 1.000
(-37 SHOWN)



PACIFIC AEROSPACE & ELECTRONICS, INC.
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TITLE: CONNECTOR, MICRO-D, AL-COMPATIBLE, LOW PROFILE, WIRED

THIRD ANGLE PROJECTION

CAGE CODE: 64567

SALES DRAWING

VERSION: A.0 RELEASE DATE: 01-19-11

SHEET: 1 OF 1 DOCUMENT: 0-94071

pro/ENGINEER