

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 A TITANIUM 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: 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.
 - WIRE: 26 AWG PER M22759.
7. FINISH:
 - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
 - GOLD PLATE ASTM B488, TYPE I, CODE A, .000050/.000150 THICK.
8. ORDERING INFORMATION:
 - PLEASE SPECIFY ACCORDING TO THE FOLLOWING: 93319 - X

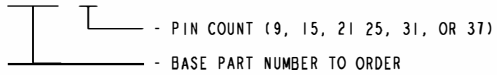
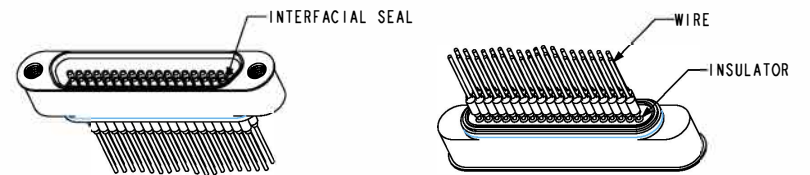
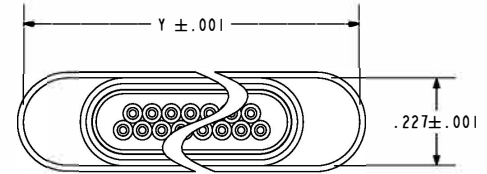
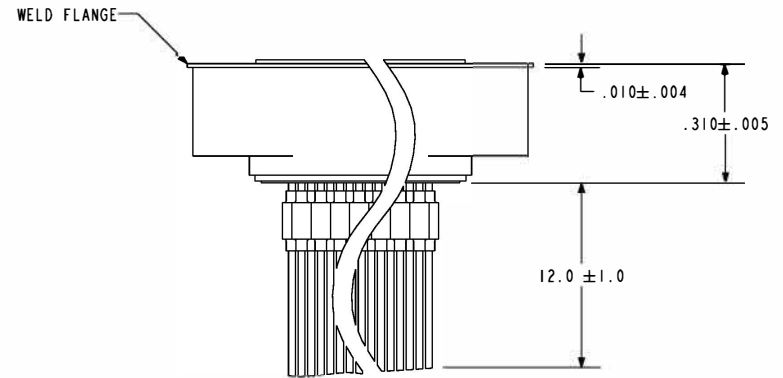
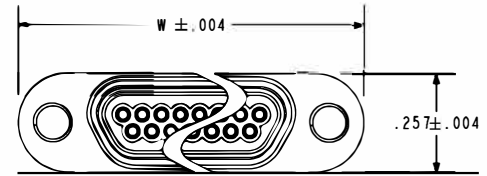
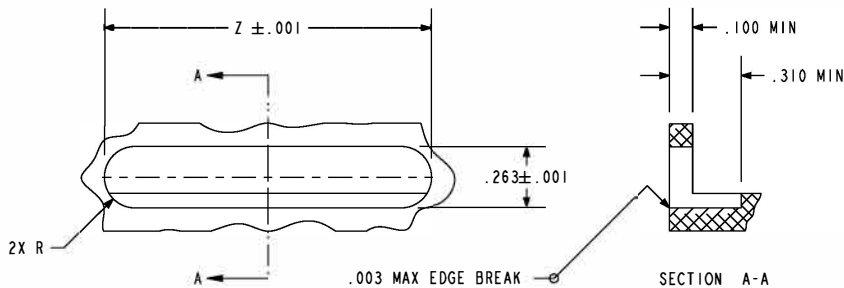


TABLE I			
NUMBER OF CONTACTS	W	Y	Z
9	.755	.715	.718
15	.905	.865	.868
21	1.055	1.015	1.018
25	1.155	1.115	1.118
31	1.305	1.265	1.268
37	1.455	1.415	1.418



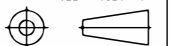
SCALE 1.000
- 37 SHOWN

PAC-E A Division of HERMETIC SOLUTIONS
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WWW.PACAERO.COM

TITLE: CONNECTOR, MICRO-D, TI-COMPATIBLE, FLANGED, LOW-PROFILE, WIRED

THIRD ANGLE PROJECTION



CAGE CODE: 64567

VERSION: B.0

RELEASE DATE: 01-12-11

SALES DRAWING

SHEET: 1 OF 1

DOCUMENT: 0-93319