

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.
- WIRE BOND FLATS SHALL BE .015 MIN LONG, .015 MIN WIDE, AND .007 MIN THICK.
- HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1×10^{-9} CC/SEC He 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.

7. MATERIALS:

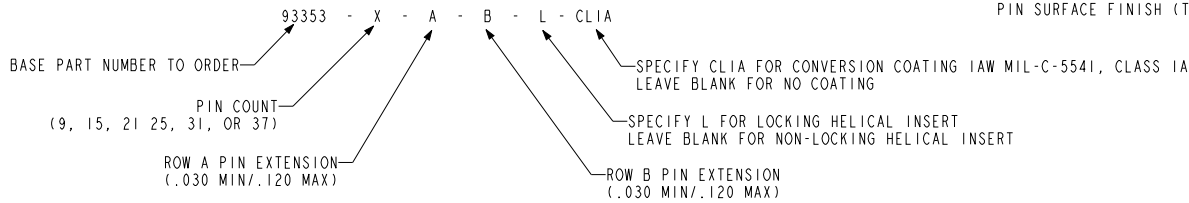
WELD FLANGE: 4XXX SERIES ALUMINUM.
 CONTACTS: BERYLLIUM-COPPER IAW ASTM B196 OR ASTM B197.
 INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
 INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS I, TYPE II, GRADE 60.
 HELICAL INSERTS: 300-SERIES STAINLESS STEEL.

- FINISH CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000200 THICK. GOLD PLATE IAW ASTM-B488, TYPE III, CODE A, .000050/.000150 THICK.

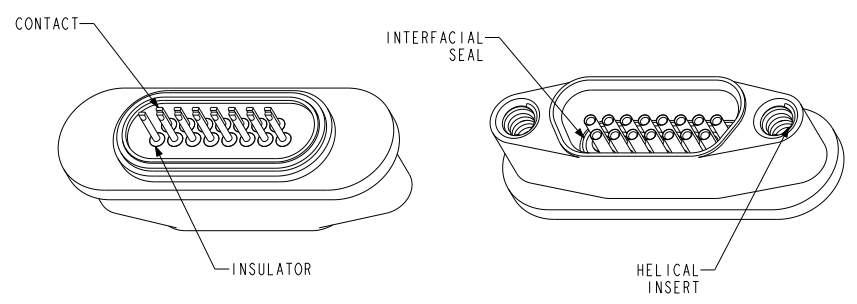
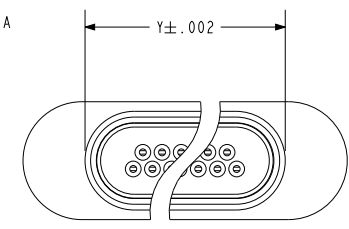
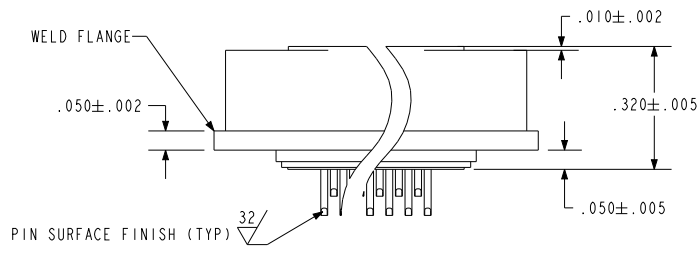
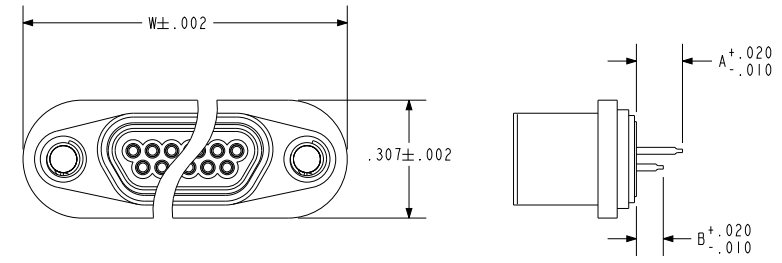
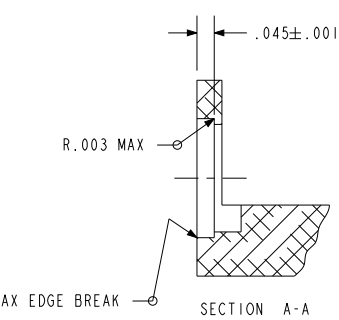
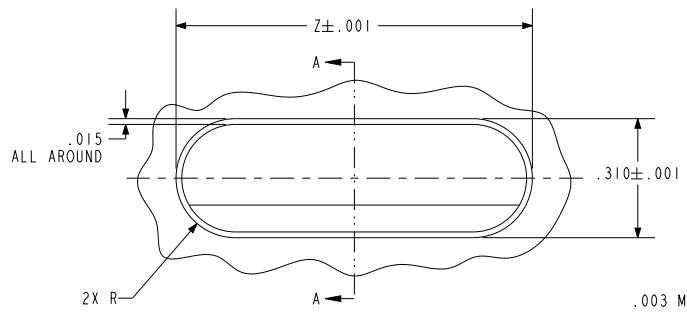
SHELL: NONE OR CONVERSION COAT IAW MIL-C-5541, CLASS IA

9. ORDERING INFORMATION:

PLEASE SPECIFY ACCORDING TO THE FOLLOWING



NUMBER OF CONTACTS	W	Y	Z
9	.775	.452	.778
15	.925	.602	.928
21	1.075	.752	1.078
25	1.175	.852	1.178
31	1.325	1.002	1.328
37	1.475	1.152	1.478



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TITLE: CONNECTOR, MICRO-D, AL-COMPATIBLE, STD-PROFILE, W/FLATS

VERSION: H.0 RELEASE DATE: 01-20-11

SHEET: 1 OF 1 DOCUMENT: 0-93353

CAGE CODE: 64567

THIRD ANGLE PROJECTION

pro/ENGINEER