

NOTES:

- HOLES AND INTERFACE DIMENSIONS PER MIL-DTL-32139/4.
- MATEABLE WITH CONNECTORS MANUFACTURED PER MIL-DTL-32139/3.
- DESIGNED TO BE LASER WELDED TO AN ALUMINUM HOUSING.
- 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.
- MATERIALS:
 - SHELL: EXPLOSION BONDED STAINLESS STEEL TO 4XXX-SERIES ALUMINUM.
 - CONTACTS: 303 STAINLESS STEEL IAW SAE-AMS 5640R, TYPE I.
 - INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
 - INSERT: 300-SERIES STAINLESS STEEL.
- FINISH:
 - ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
 - GOLD PLATE IAW MIL-G-45204, TYPE III, GRADE A, .000075/.000125 THICK.
- ORDERING INFORMATION:

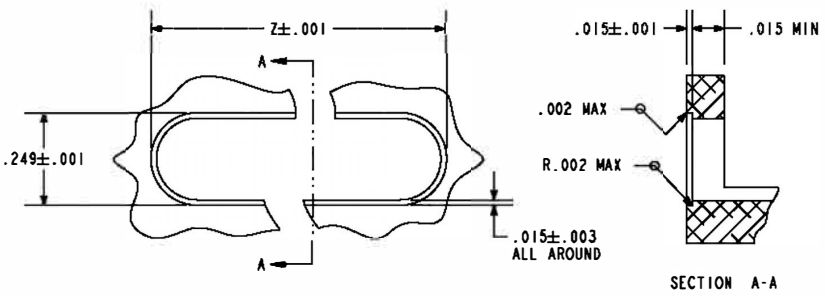
PLEASE SPECIFY ACCORDING TO THE FOLLOWING

93867 - 9 - LP

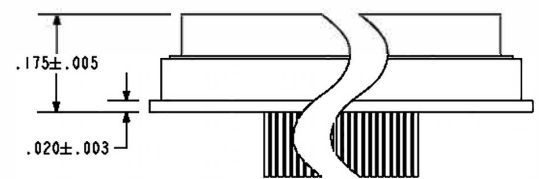
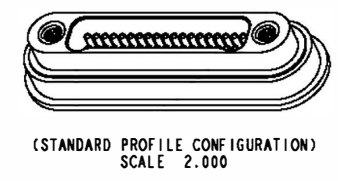
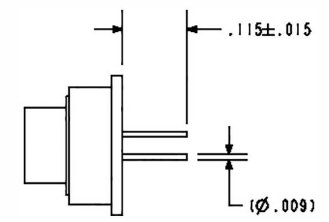
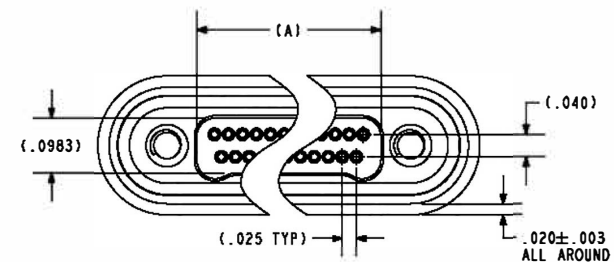
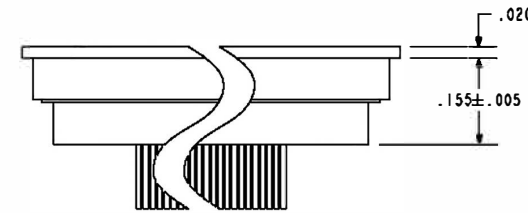
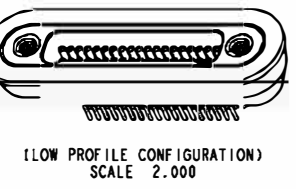
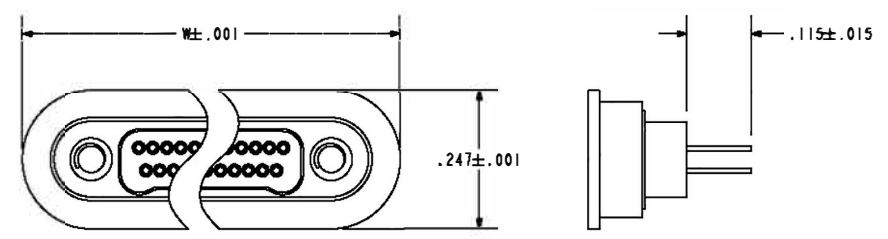
 - PROFILE: LP - LOW PROFILE, SP - STANDARD PROFILE
 - NUMBER OF CONTACTS: 9, 15, 21, 25, 31, 37, OR 51
 - BASE PART NUMBER

TABLE I

| NUMBER OF CONTACTS | A | W | Z |
|--------------------|-------|-------|-------|
| 9 | .1633 | .517 | .519 |
| 15 | .2383 | .592 | .594 |
| 21 | .3133 | .667 | .669 |
| 25 | .3633 | .717 | .719 |
| 31 | .4383 | .792 | .794 |
| 37 | .5133 | .867 | .869 |
| 51 | .6883 | 1.042 | 1.044 |



SECTION A-A



PA&E A Division of HERMETIC SOLUTIONS
The Hermetic Association Enabling Technology

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TITLE: CONNECTOR, NANO, DUAL LOBE

THIRD ANGLE PROJECTION

CAGE CODE: 64567

VERSION: RELEASE DATE: 01-06-06

SHEET: 1 OF 1

DOCUMENT: 0-93867

SALES DRAWING

pro/ENGINEER