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 A TITANIUM HOUSING.
4. WIRE BOND FLATS SHALL BE .015 MIN LONG, .015 MIN WIDE, AND .001 MIN THICK.
5. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO 1x10⁻⁹ CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
6. ELECTRICAL REQUIREMENTS:
   - INSULATION RESISTANCE: GREATER THAN 5,000 MEGOHMS AT 500±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:
   - SHELL: EXPLOSION BONDED STAINLESS STEEL TO GRADE 2 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 11, GRADE 60.
   - FINISH CONTACTS: ELECTROLYtic NICKEL PLATE IAW QQ-N-290, .00010 TO .00020 THICK.
   - GOLD PLATE IAW ASTM-8488, TYPE 111, CODE A, .00005 TO .00015 THICK.
8. ORDERING INFORMATION:
   - PLEASE SPECIFY ACCORDING TO THE FOLLOWING
     - BASE PART NUMBER TO ORDER: 93608 - X - A - B
     - PIN COUNT: (9, 15, 21, 25, 31, OR 37)
     - ROW A PIN EXTENSION: (.030 MIN / .120 MAX)
     - ROW B PIN EXTENSION: (.030 MIN / .120 MAX)
     - NUMBER OF CONTACTS W Y Z
       |   | .775 | .452 | .178 |
       | 9  | .925 | .602 | .926 |
       | 15 | 1.075 | .750 | 1.076 |
       | 21 | 1.175 | .652 | 1.176 |
       | 25 | 1.235 | 1.002 | 1.326 |
       | 31 | 1.475 | 1.152 | 1.476 |
       | 37 | 1.475 | 1.152 | 1.476 |
9. ORDERING INFORMATION:
   - PLEASE SPECIFY ACCORDING TO THE FOLLOWING
     - TABLE 1
     - Base part number to order: 93608 - X - A - B
     - Pin count: (9, 15, 21, 25, 31, or 37)
     - Row A pin extension: (.030 min / .120 max)
     - Row B pin extension: (.030 min / .120 max)
     - Number of contacts W Y Z
       |   | .775 | .452 | .178 |
       | 9  | .925 | .602 | .926 |
       | 15 | 1.075 | .750 | 1.076 |
       | 21 | 1.175 | .652 | 1.176 |
       | 25 | 1.235 | 1.002 | 1.326 |
       | 31 | 1.475 | 1.152 | 1.476 |
       | 37 | 1.475 | 1.152 | 1.476 |

CONNECTOR, MICRO-D, TI-COMPATIBLE, STD-PROFILE, W/FLATS

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