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 O-RING SEALED AND FASTENED WITH HARDWARE.
4. HERMETIC LEAK RATE: LESS THAN OR EQUAL TO \(1 \times 10^{-9}\) CC/SEC He AT 1 ATM DIFFERENTIAL PRESSURE.
5. 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 600V AC RMS 60Hz IAW MIL-STD-1344, METHOD 3001.
   - DURATION OF APPLICATION TO BE 1 SEC MIN.
6. MATERIALS:
   - SHELL: 304L STAINLESS STEEL.
   - CONTACTS: BERYLLIUM-COPPER IAW ASTM B196 OR ASTM B197, SOLDER DIPPED WITH 5X63.
   - INSULATORS: KRYOFLEX 313 PROPRIETARY POLYCRYSTALLINE CERAMIC.
   - INTERFACIAL SEAL: FLUOROSILICONE RUBBER IAW MIL-R-25988, CLASS 1, TYPE II, GRADE 60.
   - MALE-female HEX STANDOFFS: 300-SERIES STAINLESS STEEL.
   - O-RING: VITON.
7. FINISHES:
   - CONTACTS: ELECTROLYTIC NICKEL PLATE IAW QQ-N-290, .000100/.000250 THICK.
   - GOLD PLATE IAW ASTM 8488, TYPE II, GRADE C OR MIL-G-45204, TYPE II, GRADE C,
   - .000050/.000150 THICK.
8. ORDERING INFORMATION:
   - PLEASE SPECIFY ACCORDING TO THE FOLLOWING
   - BASE PART NUMBER TO ORDER