

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

| | |
|---|------------------|
| CAPTIVATION-CENTER CONTACT | |
| MAX. AXIAL FORCE _____ | 6.0 LBS. |
| MAX. RADIAL TORQUE _____ | 4.0 IN. OZ. |
| CENTER CONTACT AXIAL FORCES | |
| ● INSERTION (MAX. OUNCES) _____ | INTERFACE 32.0 |
| ● WITHDRAWAL (MIN. OUNCES) _____ | INTERFACE 2.0 |
| CONNECTOR ENGAGEMENT/DISENGAGEMENT(MAX. IN. LBS.) _____ | 2.0 |
| CONNECTOR DURABILITY (MIN. CYCLES) _____ | 500 |
| RECOMMENDED MATING TORQUE _____ | 7 - 10 IN. LBS. |
| RECOMMENDED MOUNTING TORQUE _____ | 18 - 22 IN. LBS. |

4. ENVIRONMENTAL

| | |
|--------------------------------------|--|
| TEMPERATURE CYCLING _____ | MIL-STD-202, METHOD 102, COND. C (-55° c TO + 125° c) |
| SHOCK _____ | MIL-STD-202, METHOD 213, COND. I (100 G's) |
| VIBRATION _____ | MIL-STD-202, METHOD 204, COND. D (20 G's) |
| MOISTURE RESISTANCE _____ | MIL-STD-202, METHOD 106, LESS STEP 7b |
| CORROSION _____ | MIL-STD-202, METHOD 101, COND. B (48 HOURS) |
| BAROMETRIC PRESSURE (ALTITUDE) _____ | MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (125 VRMS) |

5. MATERIAL

| | |
|---|--|
| BODY, PRESS SLEEVE, CLAMP NUT & HEX NUT _____ | STAINLESS STEEL PER ASTM A-582, TYPE 303, COND. A |
| LOCKWASHER _____ | STAINLESS STEEL PER AMS-564, TYPE 410, COND. A |
| CONTACT _____ | BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS 17300, TEMPER TD04 |
| SOLDER SLEEVE _____ | BRASS PER ASTM B 16, TEMPER H01, ALLOY C36000. |
| INSULATORS _____ | TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B. |
| O-RINGS _____ | SILICONE RUBBER PER ZZ-R-765E CLASS 1. |

6. FINISH

| | |
|--|---|
| BODY, PRESS SLEEVE, CLAMP NUT, LOCKWASHER & HEXNUT _____ | PASSIVATE PER AMS 2700, TYPE 2, CLASS 4. |
| SOLDER SLEEVE _____ | GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE AMS, QQ-N-290, CLASS 1 (.000150 MIN. THK.) OVER COPPER PER AMS-2418 (.000010). |
| CONTACT _____ | GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE AMS, QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.) |
| INSULATORS, O-RINGS _____ | N/A |