



# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

|  |                         |
|--|-------------------------|
| CAPTIVATION-CENTER CONTACT                               |                         |
| MAX. AXIAL FORCE _____                                   | 4.5 LBS.                |
| MAX. RADIAL TORQUE _____                                 | N/A                     |
| CENTER CONTACT AXIAL FORCES                              |                         |
| ● INSERTION (MAX. OUNCES) _____                          | INTERFACE AND REAR 32.0 |
| ● WITHDRAWAL (MIN. OUNCES) _____                         | INTERFACE 2.0, REAR 1.0 |
| CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) _____ | 2.0                     |
| CONNECTOR DURABILITY (MIN. CYCLES) _____                 | 500                     |
| RECOMMENDED MATING TORQUE _____                          | 7 - 10 IN. LBS.         |

## 4. ENVIRONMENTAL

|                                      |  |
|--------------------------------------|--|
| TEMPERATURE CYCLING _____            | MIL-STD-202, METHOD 102, COND. C ( -65 °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. ) ( 190 VRMS ) |

## 5. MATERIAL

|                               |  |
|-------------------------------|--|
| CONNECTOR BODY & SLEEVE _____ | STAINLESS STEEL PER ASTM A 479, TYPE 316L.                                   |
| CONTACTS _____                | BERYLLIUM COPPER PER ASTM F 196/B, 196M-03, COPPER ALLOY C17300, TEMPER TD04 |
| INSULATOR _____               | PLASTIC COMPOSIT   |
| GASKET _____                  | SILICONE   |

## 6. FINISH

|                          |  |
|--------------------------|--|
| CONNECTOR BODY _____     | PASSIVATE PER AMS 2700, TYPE 2, CLASS 4  |
| PRESS SLEEVE _____       | GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 1.27<br>(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1<br>(.000150 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.) |
| CONTACTS _____           | GOLD per ASTM-B-488, TYPE I, CODE C, CLASS .75<br>(.000030 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLAS 1<br>(.000050 Min. Thk.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)   |
| INSULATOR & GASKET _____ | N/A  |

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