



# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

|  |                         |
|--|-------------------------|
| CAPTIVATION-CENTER CONTACT                               |                         |
| MAX. AXIAL FORCE _____                                   | 6.0 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 ( -85° o TO +125° o )       |
| 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 106, COND. C ( 70,000 FT. ) ( 190 VRMS ) |

## 5. MATERIAL

|                                |  |
|--------------------------------|--|
| CONNECTOR BODY & C/NUT _____   | STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A      |
| CONTACT & RETAINING RING _____ | BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T. |
| INSULATOR _____                | PLASTIC COMPOSIT                                     |
| GASKET _____                   | SILICONE   |
| SLEEVE _____                   | STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A      |

## 6. FINISH

|                              |  |
|------------------------------|--|
| CONNECTOR BODY & C/NUT _____ | PASSIVATE PER QQ-P-36A, TYPE I   |
| CONTACT & SLEEVE _____       | GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 2.5<br>(.000100 Minimum Thickness) OVER NICKEL per<br>QQ-N-290, CLASS 1 (.000050 Minimum Thickness) OVER<br>COPPER per MIL-C-14550 (.000010 Minimum Thickness). |
| INSULATOR & GASKET _____     | N/A  |