



# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

CAPTIVATION-CENTER CONTACT  
 MIN. AXIAL FORCE \_\_\_\_\_ 4.0 LBS.  
 MIN. RADIAL TORQUE \_\_\_\_\_ N/A  
 CENTER CONTACT AXIAL FORCES  
 ● INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE 48.0  
 ● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 2.0  
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0  
 CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500  
 RECOMMENDED MATING TORQUE \_\_\_\_\_ 7 - 10 IN. LBS.  
 RECOMMENDED MOUNTING TORQUE \_\_\_\_\_ 17 - 20 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 107, COND. C ( -65° c TO +165° 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. ) ( 250 VRMS )

## 5. MATERIAL

BODY & LOCKNUT \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A  
 LOCKWASHER \_\_\_\_\_ 304 SERIES STAINLESS STEEL  
 CONTACTS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY PER UNS-C-7300, TEMPER TD04.  
 INSULATORS \_\_\_\_\_ TEFLON PER ASTM-F-1710-02, TYPE 1, GRADE 1, CLASS B.  
 GASKETS & O-RING \_\_\_\_\_ SILICONE RUBBER PER 75-R-765.  
 GLASS \_\_\_\_\_ CORNING 7070  
 GLASS PIN \_\_\_\_\_ KOVAR PER MIL-I-2301

## 6. FINISH

BODY, LOCKNUT, LOCKWASHER AND GLASS PIN \_\_\_\_\_ 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 NICKEL (WOODS OR WATTS)  
 (.000010 MIN. THK.)  
 CONTACTS \_\_\_\_\_ 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-RING & GASKETS \_\_\_\_\_ N/A