



# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 6.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE: 48.0; 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 \_\_\_\_\_ 6 - 8 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65 ° c TO + 200 ° 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

BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A.

CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196/B 196M-03, COPPER ALLOY NO. UNS C17200, TEMPER TD04

INSULATOR \_\_\_\_\_ TEFLON PER ASTM-D-1700-02, TYPE 1. GRADE 1, CLASS B

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4

CONTACT \_\_\_\_\_ GOLD PER ASTM B 488, TYPE 1, 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.).

INSULATOR \_\_\_\_\_ N/A