



# 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) \_\_\_\_\_ 48.0

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0

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° 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. ) ( 250 VRMS )

## 5. MATERIAL

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

CONTACT (2) \_\_\_\_\_ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.

INSULATOR \_\_\_\_\_ TEFLON PER D 1457.

GASKET \_\_\_\_\_ RUBBER, SILICONE PER AMS-3304, COLOR RUST, GRADE 70.

## 6. FINISH

BODY AND FLANGE \_\_\_\_\_ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.70  
(.000010 Minimum Thickness) OVER NICKEL PER QQ-N-290,  
CLASS 1, (.000150 Minimum Thickness) OVER NICKEL  
(WOODS OR WATTS), (.000010 Minimum Thickness).

CONTACT (2) \_\_\_\_\_ GOLD per ATSM B 488, TYPE I, CODE C, CLASS 2.5  
(.000100 Minimum Thickness) OVER NICKEL per  
QQ-N-290 (.000050 Minimum Thickness) OVER  
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR AND GASKET \_\_\_\_\_ N/A