



# 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 ( -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 & 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-35A, TYPE I

CONTACT & SLEEVE \_\_\_\_\_ GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 2.5  
(.000100 Minimum Thickness) OVER NICKEL per  
QQ-N-290, CLASS 1 (.000050 Minimum Thickness) OVER  
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR & GASKET \_\_\_\_\_ N/A