



# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

● MIN. AXIAL FORCE \_\_\_\_\_ 1.5 LBS.

● MIN. RADIAL TORQUE \_\_\_\_\_ N/A

RADIAL MISALIGNMENT \_\_\_\_\_ .010 MIN.

AXIAL MISALIGNMENT \_\_\_\_\_ .000/.007

CONNECTOR DURABILITY (MIN. MATING) \_\_\_\_\_ A.) FULL DETENT \_\_\_\_\_ 100  
B.) SMOOTH BORE \_\_\_\_\_ 1000

CONNECTOR ENGAGEMENT (MAX. LBS) \_\_\_\_\_ A.) FULL DETENT \_\_\_\_\_ 5.0  
B.) SMOOTH BORE \_\_\_\_\_ 2.0

CONNECTOR DISENGAGEMENT (MIN. LBS) \_\_\_\_\_ A.) FULL DETENT \_\_\_\_\_ 2.5  
B.) SMOOTH BORE \_\_\_\_\_ 0.5

## 4. ENVIRONMENTAL

THERMAL SHOCK \_\_\_\_\_ MIL-STD-202, METHOD 107, COND. B ( HIGH TEMP. +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,  
1000 MEGOHMS MINIMUM WITHIN 5 MINUTES.

CORONA (70,000 FEET) \_\_\_\_\_ 190 VRMS

RF HIGH POTENTIAL MIN. VOLTS \_\_\_\_\_ 325 VRMS @ SEA LEVEL, FREQ. 5 MHz.

VIBRATION, RANDOM \_\_\_\_\_ MIL-STD 202, METHOD 214, TEST CONDITION F

## 5. MATERIAL

CONNECTOR BODY AND CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER  
ALLOY No. UNS C17300, TEMPER TD04.

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

## 6. FINISH

CONNECTOR BODY \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25  
(.000050 - .000100 THK.) OVER NICKEL PER QQ-N-290  
(.000100 MIN.) OVER COPPER PER MIL-C-14550 (.000040 MIN.)

CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5  
(.000100 MIN. THK.) OVER NICKEL PER QQ-N-290  
(.000050 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

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