



# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 1.5 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

RADIAL MISALIGNMENT \_\_\_\_\_ .010 MAX  
AXIAL MISALIGNMENT \_\_\_\_\_ .000/.010

### CONNECTOR DURABILITY (MIN. MATING)

- A.) FULL DETENT SHROUD \_\_\_\_\_ 100

### FORCE TO DISENGAGE "SIDE "A" (LESS RETENSION FORCE)

- A.) FULL DETENT SHROUD \_\_\_\_\_ 5.0 LBS. MAX

### FORCE TO DISENGAGE "SIDE "B" (MORE RETENSION FORCE)

- A.) FULL DETENT SHROUD \_\_\_\_\_ 8.0 LBS. MIN.

## 4. ENVIRONMENTAL

THERMAL SHOCK \_\_\_\_\_ MIL-STD-202, METHOD 107, COND. B ( HIGH TEMP. +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,  
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.  
RUBBER GASKET \_\_\_\_\_ SILICONE RUBBER PER ZZ-R-765  
INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 1710, TYPE 1, GRADE 1, CLASS B.  
EMI GASKET \_\_\_\_\_ SILVER PLATED COPPER IN SILICONE.

## 6. FINISH

CONNECTOR BODY AND CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25  
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290  
(.000100 MIN. THK.) OVER COPPER PER MIL-C-14550  
(.000040 MIN. THK.)  
INSULATOR, RUBBER GASKET AND EMI GASKET \_\_\_\_\_ N/A