



# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 4.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### SMA ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ 48.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. MATING) \_\_\_\_\_ SMA, JACK, 500  
SMP, PLUG, 1,000

### SMP ENGAGEMENT FORCES

- INSERTION (MAX. POUNDS) \_\_\_\_\_ 2.0
- WITHDRAWAL (MIN. POUNDS) \_\_\_\_\_ 0.05

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65° c TO + 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  
CORROSION \_\_\_\_\_ MIL-STD-202, METHOD 101, COND. B (48 HOURS)  
BAROMETRIC PRESSURE (ALTITUDE) \_\_\_\_\_ MIL-STD-202, METHOD 105, COND. C ( 70,000 FT. ) ( 125 VRMS )

## 5. MATERIAL

CONNECTOR BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND. A.  
CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER  
ALLOY No. UNS 17300, TEMPER TD04.  
INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.  
O'RING \_\_\_\_\_ SILICONE RUBBER PER ZZ-R-765E, CLASS 1

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.  
CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.25  
(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1  
(.000050 MIN.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)  
INSULATOR AND O'RING \_\_\_\_\_ N/A