

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

SMP

- FORCE TO ENGAGE _____ 2.0 LBS. MAX
- FORCE TO DISENGAGE _____ 0.5 LBS. MIN.

CONNECTOR DURABILITY (MIN. MATING) _____ 1000

RADIAL MIS-ALIGNMENT (INCHES) _____ +/- .020

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° 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.) (125 VRMS)

5. MATERIAL

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS C17300, TEMPER TD04.

CONNECTOR BODY & HEX NUT _____ STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND.A

INSULATOR _____ TEFLON PER ASTM D 1700-02, TYPE 1, GRADE 1, CLASS B.

O-RING _____ SILICONE RUBBER

6. FINISH

BODY AND NUTS _____ PASSIVATE PER AMS QQ-P-35A, TYPE 2

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.5
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR & O-RING _____ N/A