

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) _____ 32.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR DURABILITY (MIN. MATING) _____ 100

SMP ENGAGEMENT FORCES

- INSERTION (MAX. POUNDS) _____ 4.5
- WITHDRAWAL (MIN. POUNDS) _____ 2.5

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.) (190 VRMS)

5. MATERIAL

BODY & PRESS SLEEVE _____ STAINLESS STEEL PER ASTM-A-582 , TYPE 303 , COND. A.
CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B 196M-03, COPPER ALLOY NO. UNS C17300, TEMPER TD04.
INSULATORS _____ TEFLON PER ASTM-D-1710, TYPE 1, GRADE 1, CLASS B.

6. FINISH

BODY & PRESS SLEEVE _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.
CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)
INSULATORS _____ N/A