

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ INTERFACE 48.0 (SMA AND BMAM)
- WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0 (SMA AND BMAM)

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 7-10 IN/LB (FEMALE SMA)

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

BODIES, FLANGE & FLAT WASHER _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACTS AND BMA SPRING FINGERS _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. CNS-C-17000, TEMPER TD04

INSULATORS _____ TEFLON PER ASTM-D-1711-02, TYPE 1, GRADE 1, CLASS B.

BMA CONTACT HOOD _____ BRASS PER ASTM-B-153, TEMPER H02, ALLOY C36000

COMPRESSION SPRING _____ STAINLESS STEEL PER ASTM-A-313, TYPE 302, AMS 5688 SPRING TEMPER

6. FINISH

BODIES, FLANGE, FLAT WASHER & SPRING _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4

CONTACTS & SPRING FINGERS _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)

HOOD _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.75 (.000030 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)

INSULATORS _____ N/A