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 & BMA SPRING FINGERS	BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C-17000, TEMPER TD04
INSULATORS	TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.
BMA CONTACT HOOD	BRASS PER ASTM-B-16, 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 SAE-AMS-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