



# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

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

### CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE, BMA : 48.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE, BMA : 2.0

### CONNECTOR AXIAL FORCES

- INSERTION (MAX. LBS.) \_\_\_\_\_ BMA : 3.0, SMP : 10.0
- WITHDRAWAL (MIN. LBS.) \_\_\_\_\_ BMA : 1.5, SMP : 2.0

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ BMA : 500, SMP : 250

RECOMMENDED MATING TORQUE \_\_\_\_\_ N/A

## 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 & WASHER \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT AND SPRING FINGERS \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B196/B, 196M-03, COPPER ALLOY UNS-C-17300, TEMPER TD04

INSULATOR \_\_\_\_\_ TEFLON PER ASTM-D-1110-02, TYPE 1, GRADE 1, CLASS B.

HOOD \_\_\_\_\_ BRASS PER ASTM-B16, TEMPER H02, ALLOY C36000.

SPRING \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-313/A313M, TYPE 302, CLASS 1.

## 6. FINISH

BODIES, FLANGE, WASHER & SPRING \_\_\_\_\_ 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.)

SPRING FINGERS \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.75 (.000030 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 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000040 MIN.THK.) OVER COPPER PER AMS 2418 (.000010 MIN.THK.)

INSULATOR \_\_\_\_\_ N/A