

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE (SMP ONLY) _____ 4.0 IN. OZ.

SMA ENGAGEMENT FORCES (CENTER CONTACT)

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

SMP ENGAGEMENT FORCES

- FORCE TO ENGAGE _____ 15.0 LBS. MAX.
- FORCE TO DISENGAGE _____ 5.0 LBS. MIN.

SMP/SMA CONNECTOR DURABILITY (MIN. MATING) _____ 500

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.) (125 VRMS)
HERMITICITY _____ 1 X 10⁻⁸ cc/SEC

5. MATERIAL

CENTER CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173 COND. HT
CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND.A
INSULATOR _____ TEFLON PER D 1457
GLASS _____ DOW CORNING 7070
PIN (SMP) _____ KOVAR PER MIL-I-23011

6. FINISH

SMA BODY _____ PASSIVATE PER AMS QQ-P-35, TYPE 2
CENTER CONTACT, SMP BODY _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 1.25
AND PIN (SMP) _____ (.000050 - .000100 THK.) OVER NICKEL PER QQ-N-290,
CLASS 1 (.000050 - .000100 THK.) OVER COPPER PER
MIL-C-14550, (.000010 MIN. THK.)
INSULATOR & GLASS _____ N/A