

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

CONNECTOR DURABILITY (MIN. MATING) _____ SMA, JACK, 500
SMP, PLUG, 100

SMP ENGAGEMENT FORCES

- INSERTION (MAX. POUNDS) _____ 15.0
- WITHDRAWAL (MIN. POUNDS) _____ 5.0

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)

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND. A.
CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER
ALLOY No. UNS 17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.
O'RING _____ SILICONE RUBBER PER ZZ-R-765E, CLASS 1

6. FINISH

BODY _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000050 MIN.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
INSULATOR AND O'RING _____ N/A