

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 3.5 LBS.

MAX RADIAL TORQUE _____ N/A

CONNECTOR ENGAGEMENT FORCE

● INSERTION (MAX. LBS.) _____ 15.0 (FULL DETENT)

● WITHDRAWAL (MIN. LBS.) _____ 5.0 (FULL DETENT)

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500 (SMA, JACK)
100 (SMP, PLUG, FULL DETENT)

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS. (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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY, LOCKNUT AND LOCKWASHER _____ 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 C17300, TEMPER TD04.

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

O'RING _____ SILICONE RUBBER

6. FINISH

CONNECTOR BODY, LOCKNUT AND LOCKWASHER _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

CENTER CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.).

INSULATORS AND O'RING _____ N/A