

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE (BOTH) _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

DYNAMATE ENGAGEMENT FORCES

- INSERTION (MAX OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 4.0

SMA AND DYNAMATE DURABILITY (MIN. MATING) _____ 1,000

SMA ENGAGEMENT FORCES (TORQUE) _____ 7 - 10 INCH LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 200 ° 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

CONNECTOR BODY, FLANGE BODY, COIL SPRINGS, _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A
FERRULE, AND COMPRESSION SPRING

CENTER CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173 COND. HT

INSULATOR _____ TEFLON PER D-1457

CENTER CONTACT HOOD _____ BRASS PER QQ-B-626, 1/2 HARD, ALLOY 360

RETAINING RING _____ SPRING STEEL PER SAE 1060-1090

6. FINISH

CONNECTOR BODY, FLANGE BODY, COIL SPRINGS, _____ PASSIVATE PER QQ-P-35A, TYPE I.
FERRULE AND COMPRESSION SPRING

CENTER CONTACT ASSEMBLY _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2,
(.000100 MINIMUM THICKNESS) OVER NICKEL PER
QQ-N-290, CLASS 1 (.000100 MINIMUM THICKNESS) OVER
COPPER PER MIL-C-14550 (.000010 MINIMUM THICKNESS).

RETAINING RING _____ CORROSION RETARDANT PHOSPHATE COATING
PER MIL-P-16232D, TYPE Z.

INSULATOR _____ N/A