

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX. AXIAL FORCE _____ 6.0 LBS.

MAX. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ INTERFACE AND REAR 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0, REAR 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT(MAX. IN. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RRECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 °c TO + 125 °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 & SLEEVE _____ STAINLESS STEEL PER AMS-5611, TYPE 303, COND. A

CONTACTS _____ BERYLLIUM COPPER PER QQ-C-500, ALLOY 173, COND. H.T.

FILLER INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.

INSULATOR BEAD _____ PLASTIC COMPOSITE

6. FINISH

CONNECTOR BODY & C/NUT _____ PASSIVATE PER AMS QQ-P-35, TYPE 2

CONTACTS & SLEEVE _____ GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.000100 Min. Thk.) OVER NICKEL per QQ-N-290
(.000050 Min. Thk.) OVER COPPER per MIL-C-14550
(.000010 Min. Thk.).

INSULATORS _____ N/A