

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX. AXIAL FORCE _____ 4.5 LBS.
MAX. RADIAL TORQUE _____ N/A
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX. OUNCES) _____ INTERFACE 32.0
● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 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 (-25 °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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY & PRESS SLEEVE _____ STAINLESS STEEL PER ASTM 582, TYPE 303, COND. A
CONTACTS _____ BERYLLIUM COPPER PER ASTM B196/B 196M-03, COPPER ALLOY
No. UNS C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.
INSULATOR _____ PLASTIC COMPOSITE

6. FINISH

CONNECTOR BODY _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4
CONTACTS _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.75
(.000030 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MN. THK.)
PRESS SLEEVE _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.70
(.000030 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000050 MIN. THK.) OVER NICKEL (WOODS OR WATTS) (.000010 MN. THK.)
INSULATORS _____ N/A