

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 48.0
● WITHDRAWAL (MIN. OUNCES) _____	INTERFACE 2.0
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 + 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.) (190 VRMS)

5. MATERIAL

BODY, BUSHING & CLAMP NUT _____	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACT & RETAINING RING _____	BERYLLIUM COPPER PER ASTM B196/B 196M-03, COPPER ALLOY No. UNS 17300, TEMPER TD04.
INSULATORS _____	TEFLON PER ASTM D 1000, TYPE 1, GRADE 1, CLASS B.
SOLDER CLAMP _____	BRASS PER ASTM B16, TEMPER HO2, ALLOY C36000

6. FINISH

BODY, BUSHING & CLAMP NUT _____	PASSIVATE PER AMS-2700, TYPE 2, CLASS 4
CONTACT _____	GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.).
SOLDER CLAMP _____	GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000040 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)
INSULATORS & RETAINING RING _____	N/A