

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) _____	32.0
● WITHDRAWAL (MIN. OUNCES) _____	2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT(MAX. 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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY AND SLEEVE _____	STAINLESS STEEL PER ASTM F 438, TYPE 303, COND. A
CONTACT & RETAINING RING _____	BERYLLIUM COPPER PER ASTM F 96/B, 196M-03, COPPER ALLOY No. UNS 17300, TEMPERED 04.
INSULATOR _____	PLASTIC COMPOSIT

6. FINISH

CONNECTOR BODY & SLEEVE _____	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25 (.000050 MN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1 (.000150 MIN. THK.) OVER WOODS OR WATTS NICKEL (.000010 MIN. THK.)
CONTACT _____	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1 (.000050 MIN. THK.) OVER COPPER PER 2418 (.000010 MIN. THK.)
INSULATOR _____	N/A