

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 32.0
● WITHDRAWAL (MIN. OUNCES) _____	INTERFACE 2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT(MAX. IN. LBS.) _____	2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____	500
RECOMMENDED MATING TORQUE _____	7 - 10 IN. LBS.
RECOMMENDED MOUNTING TORQUE _____	18 - 22 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____	MIL-STD-202, METHOD 102, COND. C (-55° 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

BODY, CLAMP NUT, HEXNUT & PRESS SLEEVE _____	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
LOCKWASHER _____	STAINLESS STEEL PER AMS-5640, TYPE 410, COND. A
CONTACT _____	BERYLLIUM COPPER PER ASTM B 196B/ 196M-03, COPPER ALLOY No. UNS 17300, TEMPER TD0
SOLDER SLEEVE _____	BRASS PER ASTM-B-16, TEMPER H02 ALLOY C36000.
INSULATORS _____	TEFLON PER ASTM D 1710-02, TYPE I, GRADE 1, CLASS B.
O-RINGS _____	SILICONE RUBBER PER ZZ-R-765E CLASS 1.

6. FINISH

BODY, CLAMP NUT, LOCKWASHER, HEXNUT & PRESS SLEEVE _____	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
SOLDER SLEEVE _____	GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1 (.000150 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)
CONTACT _____	GOLD per ASTM-B-488, TYPE I, 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.)
INSULATORS & O-RINGS _____	N/A