



# 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
RECOMMENDED MATING TORQUE _____	7 - 10 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING _____	MIL-STD-202, METHOD 102, COND. C ( -85° o TO +125° o )
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 106, COND. C ( 70,000 FT. ) ( 190 VRMS )

## 5. MATERIAL

CONNECTOR BODY, COUPLING NUT AND SLEEVE _____	STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A
CONTACT & RETAINING RING _____	BERYLLIUM COPPER PER ASTM B 196/B 196M-03, COPPER ALLOY No. UNS C17300, TEMPER T004.
INSULATOR _____	PLASTIC COMPOSIT

## 6. FINISH

CONNECTOR BODY AND COUPLING NUT _____	PASSIVATE PER AMS QQ-P-35, TYPE 2
CONTACT & SLEEVE _____	GOLD per ASTM-B-488, TYPE I, CODE C, CLASS 2.5 (.000100 Minimum Thickness) OVER NICKEL per QQ-N-290, CLASS 1 (.000050 Minimum Thickness) OVER COPPER per MIL-C-14550 (.000010 Minimum Thickness).
INSULATOR _____	N/A