

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

● MIN. AXIAL FORCE _____	1.5 LBS.
● MIN. RADIAL TORQUE _____	N/A
RADIAL MISALIGNMENT _____	.010 MIN.
AXIAL MISALIGNMENT _____	.000/.007
CONNECTOR DURABILITY (MIN. MATING) _____	A.) DETENT _____ 100 B.) SMOOTH BORE _____ 1000
CONNECTOR ENGAGEMENT (MAX. LBS) _____	A.) DETENT _____ 5.0 B.) SMOOTH BORE _____ 2.0
CONNECTOR DISENGAGEMENT (MIN. LBS) _____	A.) DETENT _____ 2.5 B.) SMOOTH BORE _____ 0.5

4. ENVIRONMENTAL

THERMAL SHOCK _____	MIL-STD-202, METHOD 107, COND. B (HIGH TEMP. +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, 1000 MEGOHMS MINIMUM WITHIN 5 MINUTES.
CORONA (70,000 FEET) _____	125 VRMS
RF HIGH POTENTIAL MIN. VOLTS _____	200 VRMS @ SEA LEVEL, FREQ. 5 MHz.
VIBRATION, RANDOM _____	MIL-STD 202, METHOD 214, TEST CONDITION F

5. MATERIAL

CONNECTOR BODY AND CENTER CONTACT _____	BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.
INSULATOR _____	TEFLON PER ASTM-F-1710-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

CONNECTOR BODY _____	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25 (.000050 - .000100 THK.) OVER NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (.000100 MIN. THK.) OVER COPPER PER AMS-2418, (.000040 MIN. THK.)
CENTER 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.)
INSULATOR _____	N/A