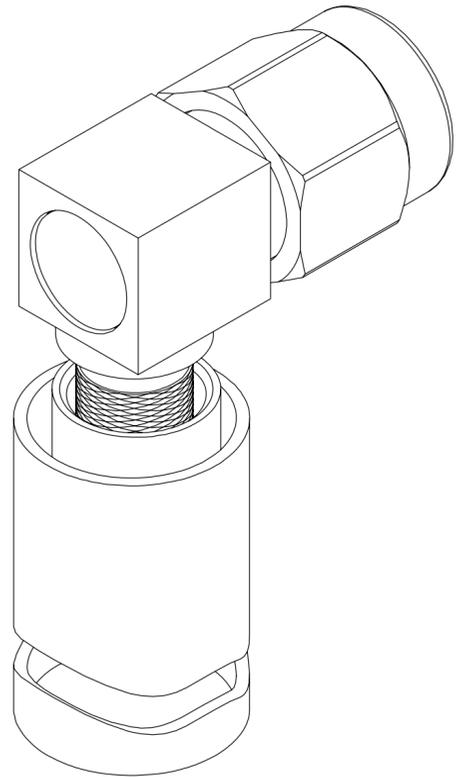


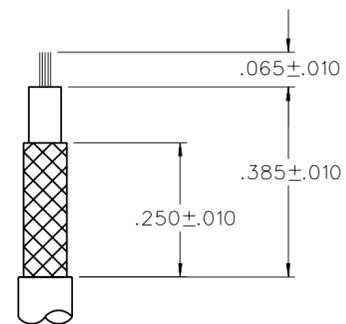
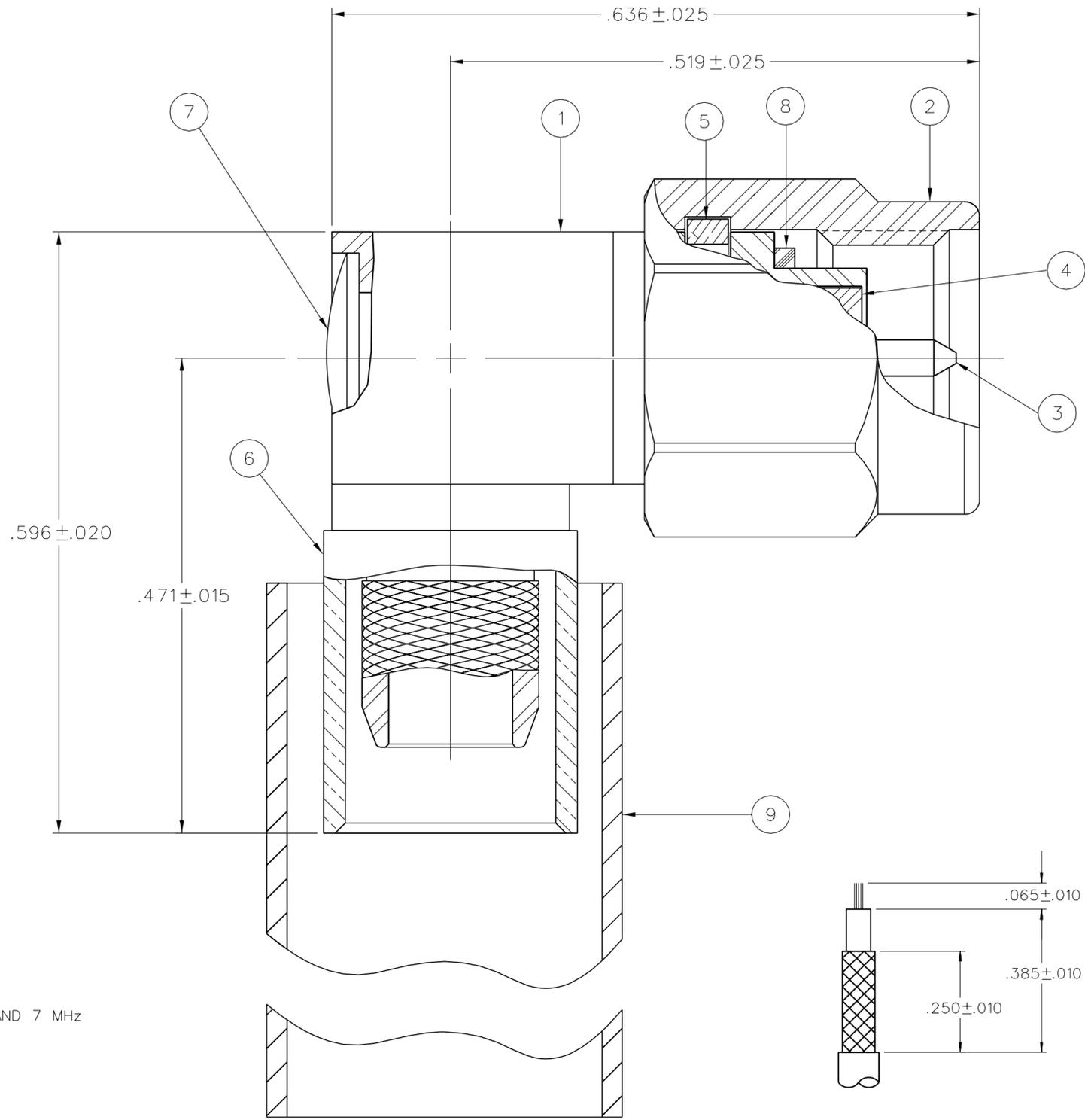
PART NUMBER 141-0407-102	ITEM ① BODY STAINLESS STEEL PASSIVATED	ITEM ② NUT STAINLESS STEEL PASSIVATED	ITEM ③ CONTACT BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	ITEM ④ INSULATOR TEFLON	ITEM ⑤ RETENTION SPRING BERYLLIUM COPPER UNPLATED	ITEM ⑥ CRIMP SLEEVE COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	ITEM ⑦ END CAP BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	ITEM ⑧ GASKET SILICONE	ITEM ⑨ HEAT SHRINK POLYOLEFIN COLOR: BLACK
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DRAWING NO.
C - 141-0407-101/110

0	REVISIONS	
ENGINEERING RELEASE		
01	05-03-90	EJ RJA J B W
UPDATE TO THICKWALL BODY, INSULATOR AND CONTACT.		
02	03-09-91	DV T RJA W E T K B W
CHANGED: RF LEAK 2.5 GHz WAS 2 TO 3 GHz, RF HIGH POT 4 AND 7 MHz WAS 5 TO 7.5 MHz		
3	12-2-93	R T RJA H K B W
.636 WAS .664, .596 WAS .597 .471 WAS .456 REMOVE 141-0408-101		
4	5-9-06	P S R P A B J D T B W
.250 WAS .281, .385 WAS .390, .065 WAS .070		
***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * *****		
4a	9-21-06	P S T A B A T B K
UPDATED VIEWS		
5	11-5-08	P R R M J C A J B T U N
11-10-08 ECN 51709		



5:1



CABLE STRIP DIMENSIONS
4:1

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-12.4 GHz
 VSWR: 1.15+.02F MAX (F IN GHz)
 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 6.0 MILLIOHM MAX
 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
 BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED) 5.0 MILLIOHM MAX (PASSIVATED)
 CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
 INSERTION LOSS: .15√F (F IN GHz) AT 6 GHz
 RF LEAKAGE: -60 DB MIN AT 2.5 GHz
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
 MATING TORQUE: 7-10 INCH POUNDS
 COUPLING PROOF TORQUE: 15 INCH-POUNDS MIN
 COUPLING NUT RETENTION: 60 LBS MIN
 CONTACT RETENTION: 6 LBS MIN
 CABLE ACCEPTABILITY: RG 58/U, RG 141/U, RG 303/U
 CABLE HEX CRIMP SIZE: .213
 CABLE RETENTION: 40 LBS MIN AXIAL FORCE
 DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B EXCEPT 85°C HIGH TEMP
 OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
 SHOCK: MIL-STD-202, METHOD 213, CONDITION I
 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ASME Y 14.5M - 1994

"μ STATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY EJ	DATE 10-24-89	Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256
DECIMALS mm .XX	CHECKED BY	DATE	
.XXX ±.003	MATL	APPROVED BY RJB	DATE 5-4-90
FINISH	RELEASE DATE	5-11-90	TITLE PLUG ASSEMBLY, RA SMA, RG-58
U/M INCH	SCALE	10:1	SHEET 2 OF 2
DRAWING NO. C - 141-0407-101/110			