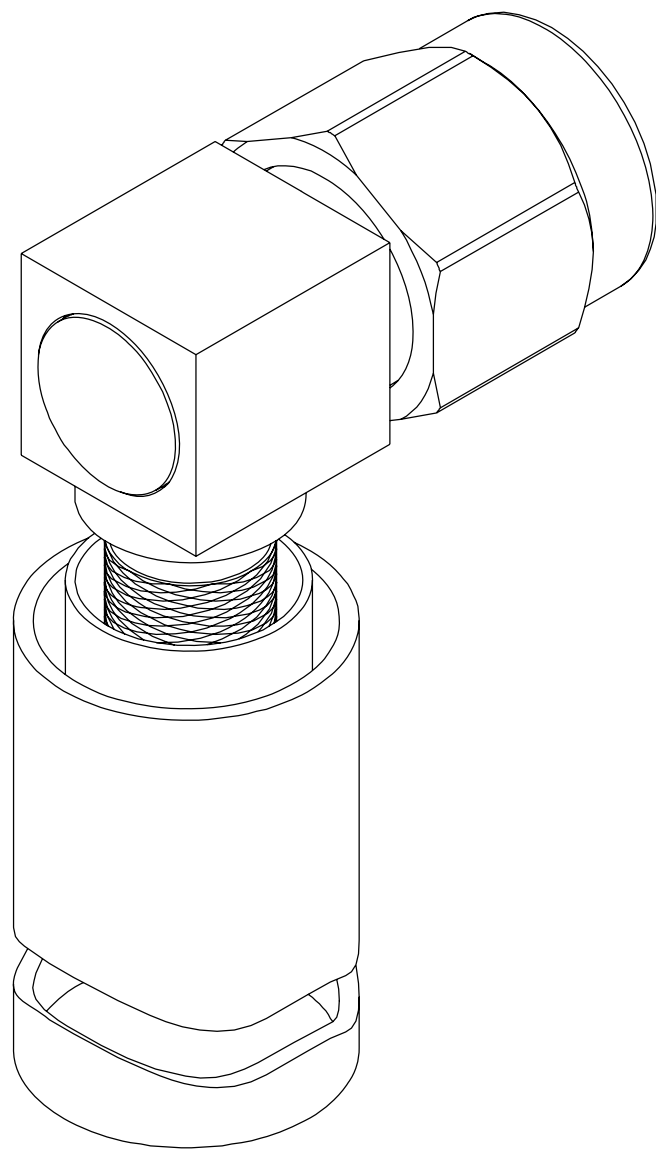
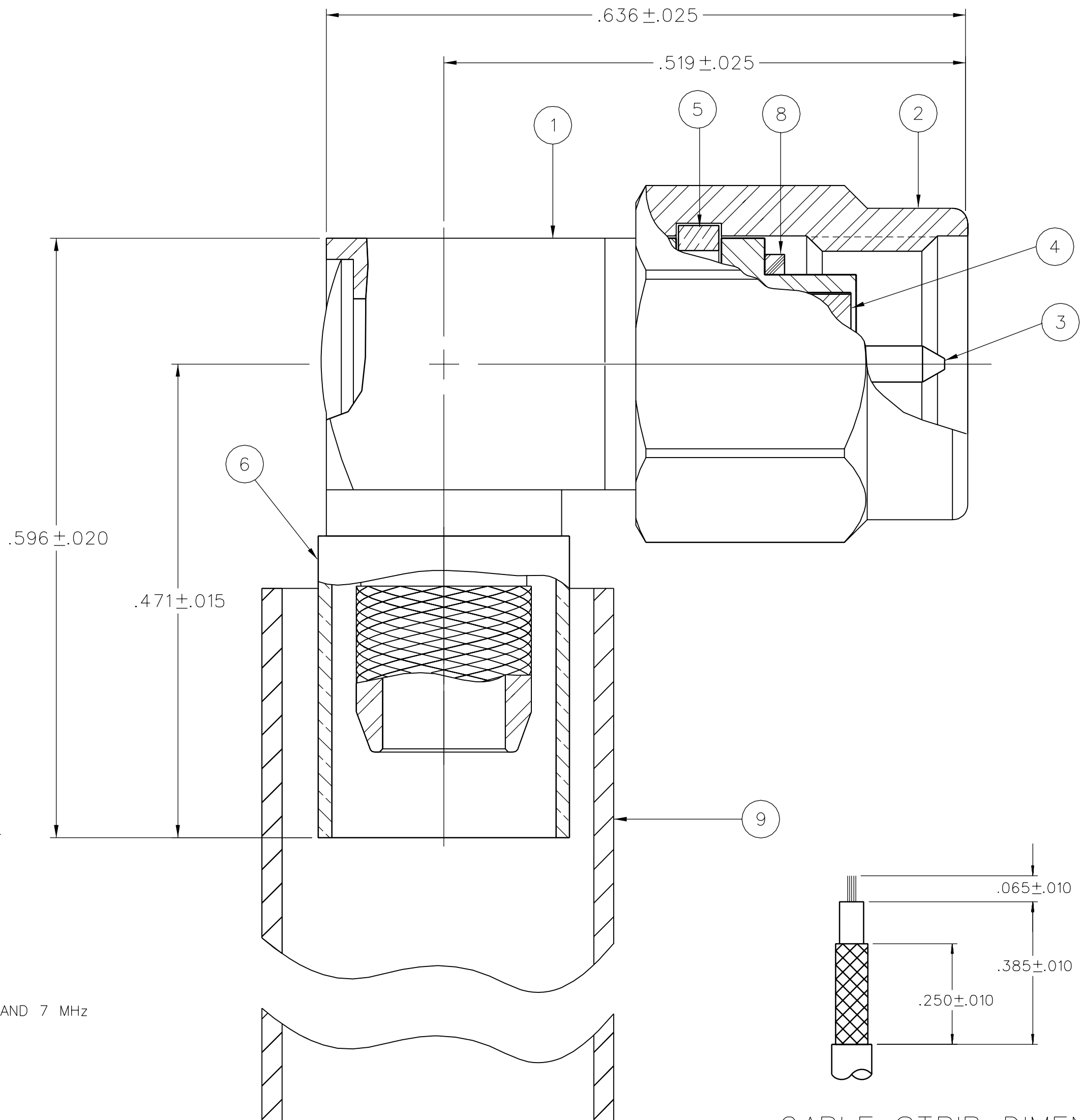


PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR TEFLON	ITEM ⑤ RETENTION SPRING BERYLLIUM COPPER UNPLATED	ITEM ⑥ CRIMP SLEEVE COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	ITEM ⑦ END CAP BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	ITEM ⑧ GASKET SILICONE	ITEM ⑨ HEAT SHRINK POLYOLEFIN COLOR: BLACK
141-0408-102	STAINLESS STEEL PASSIVATED	STAINLESS STEEL PASSIVATED	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN						

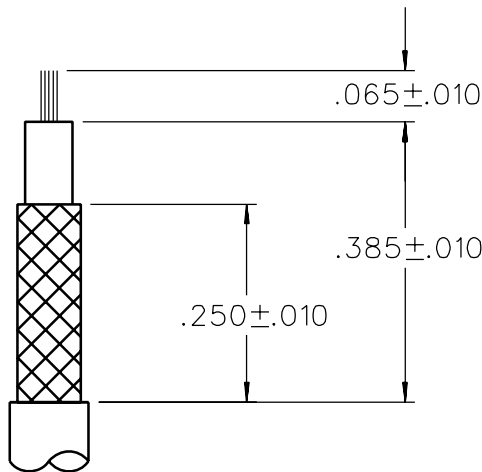


5:1



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 55/U, RG 142/U, RG 223/U, RG 400/U

CABLE HEX CRIMP SIZE: .213
CABLE RETENTION: 45 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

DRAWING NO. C - 141-0408-101/110									
0	REVISIONS								
ENGINEERING RELEASE									
01	05-03-90	EJ	RJB	AW				5-11-90 ECO 24554	
CHANGED: UPDATED THICKWALL BODY INSULATOR AND CONTACT.									
02	03-07-91	DW	RJB	AW				3-13-91 ECO 40035	
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	RH	TA	RJB				ECO 42067	
.636 WAS .664, .596 WAS .597 .471 WAS .456, REMOVE 141-0408-101									
4	5-9-06	PA	SB	RJB	PD			6-22-06 ECN 50443	
.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	PA	SB	TA				12-4-06 ECN 50736	
UPDATED VIEWS									
5	10-23-08	PA	RJB	RT	MJU	JCN		10-27-08 ECN 51681	

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY <i>EJ</i>	DATE 10-24-89	 Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS	mm	CHECKED BY	DATE		
.XX	_____			TITLE PLUG ASSEMBLY, RA SMA, RG-142	
.XXX ±.003	_____	APPROVED BY RJB	DATE 5-4-90		
MATL	_____	RELEASE DATE	5-11-90	SHEET 2 OF 2	DRAWING NO. C - 141-0408-101/110
FINISH	_____	U/M	INCH		
			SCALE	10:1	