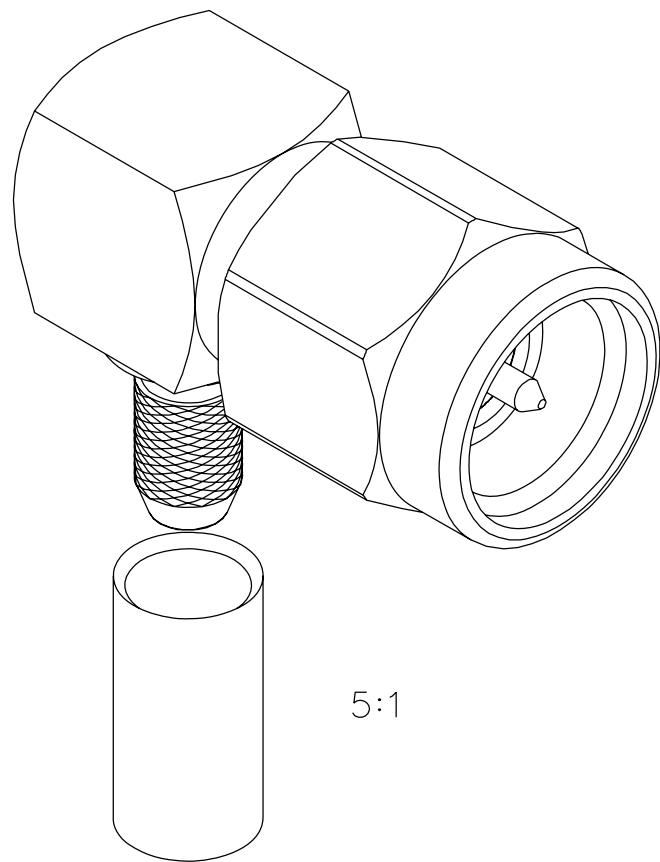


PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ RETENTION SPRING	ITEM ⑥ CRIMP SLEEVE	ITEM ⑦ END CAP
141-0403-101	STAINLESS STEEL PASSIVATED	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
141-0403-102	STAINLESS STEEL PASSIVATED	STAINLESS STEEL PASSIVATED	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN

PART NUMBER	ITEM ⑧ GASKET	ITEM ⑨ HEAT SHRINK
141-0403-101	SILICONE	POLYOLEFIN COLOR: BLACK
141-0403-102	SILICONE	POLYOLEFIN COLOR: BLACK



5:1

NOTES:

1. SPECIFICATIONS:

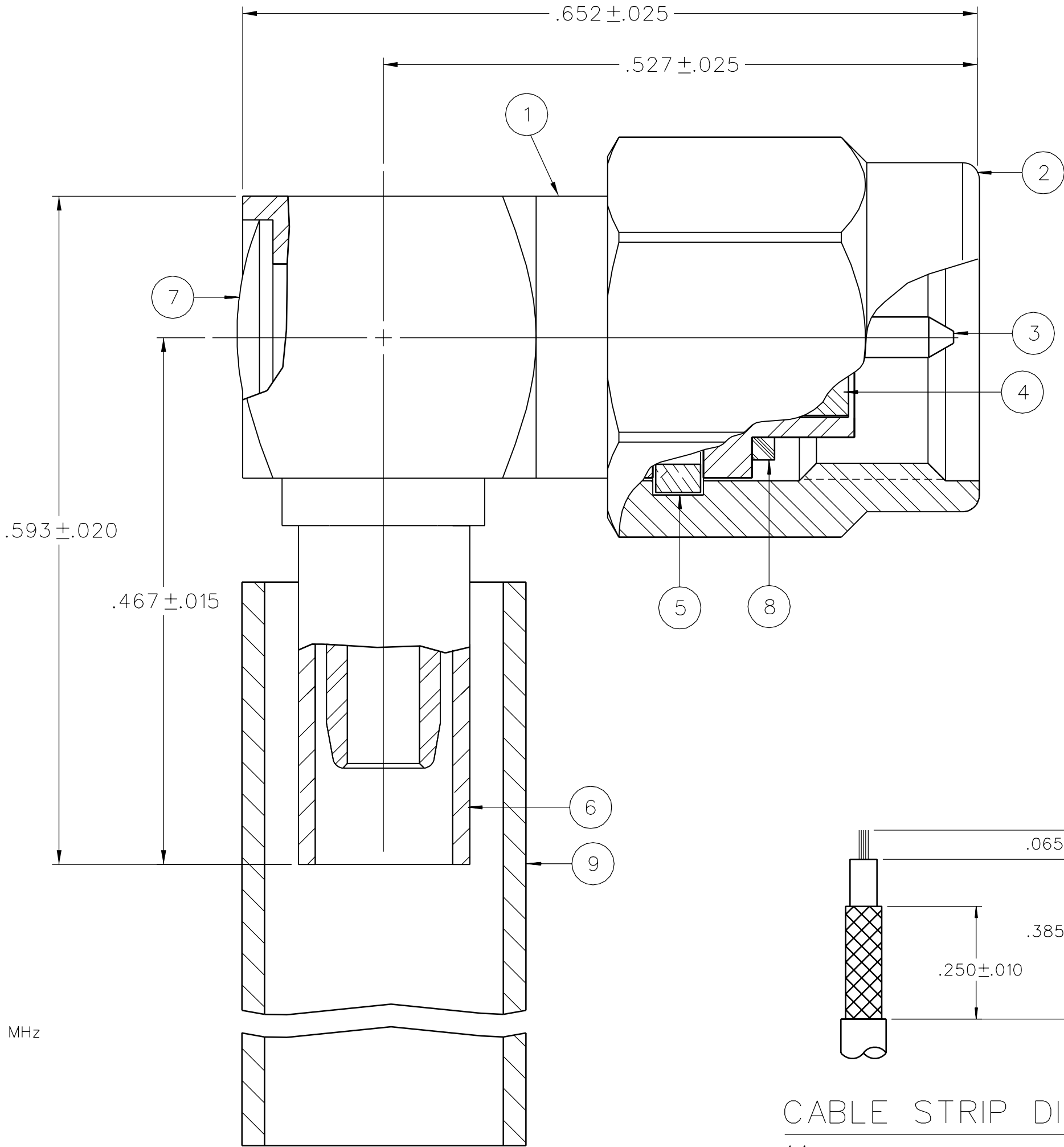
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15+.03 F MAX (F IN GHz)
WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 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: 190 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: 500 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 188/U, RG 316/U, RG 161/U, RG 174/U
CABLE HEX CRIMP SIZE: .128
CABLE RETENTION: 20 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



CABLE STRIP DIMENSIONS

4:1

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							
.XXX							
MATL		RJB		DATE 5-4-90		TITLE PLUG ASSEMBLY, RA CABLED, RG 316 SMA, 50 OHM	
FINISH		RELEASE DATE		5-11-90		SHEET 2 OF 2	
		U/M		INCH			
		SCALE		10:1		DRAWING NO. C - 141-0403-101/110	

DRAWING NO.						
C - 141-0403-101/110						
0	REVISIONS					
ENGINEERING RELEASE						
01	05-03-90	EJ	RJB	AW		5-11-90 ECO 24552
UPDATED TO THICKWALL BODY, INSULATOR AND CONTACT						
02	03-09-91	DWB	VT	TA	RJB	AW 3-20-91 ECO 40033
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 42104
VERSION UPDATE						
4	4-18-06	PA	SB	RJB	PDW	5-19-06 ECN 50390
.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 50733
UPDATED VIEWS						
5	10-22-08	PA	RJB	RT	MJ	JCN 10-21-08 ECN 51674

CUSTOMER DRAWING

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

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