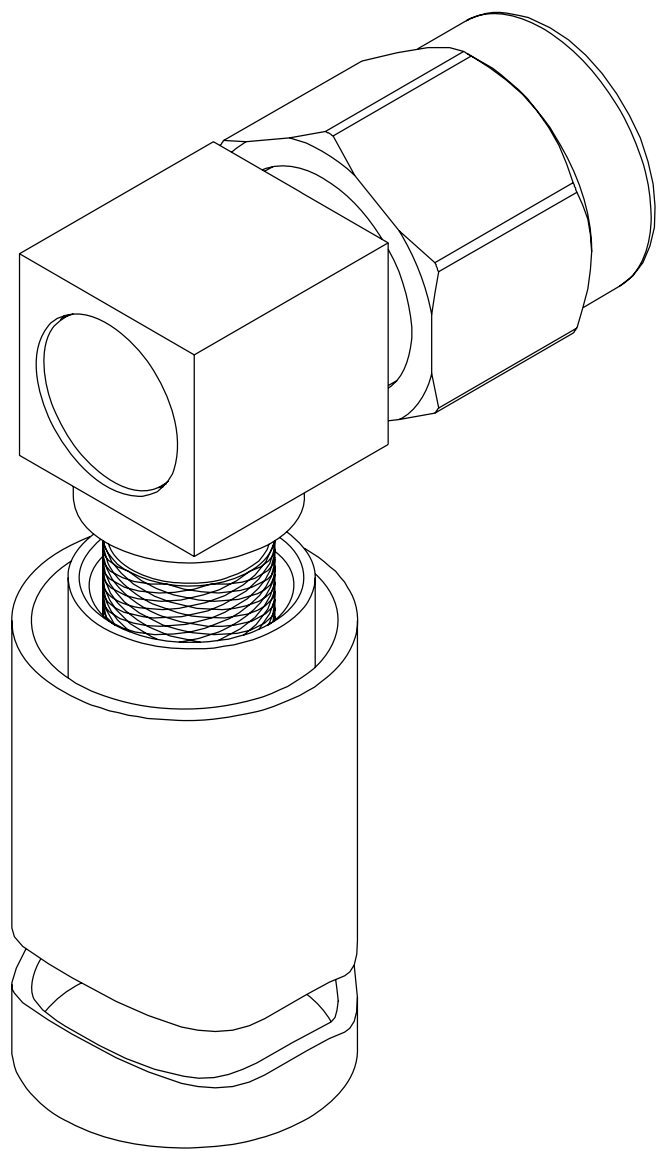
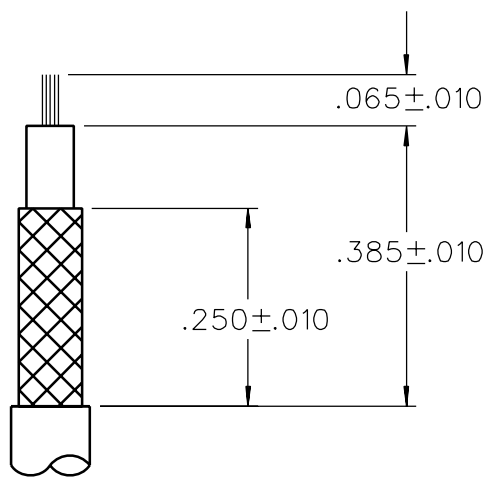
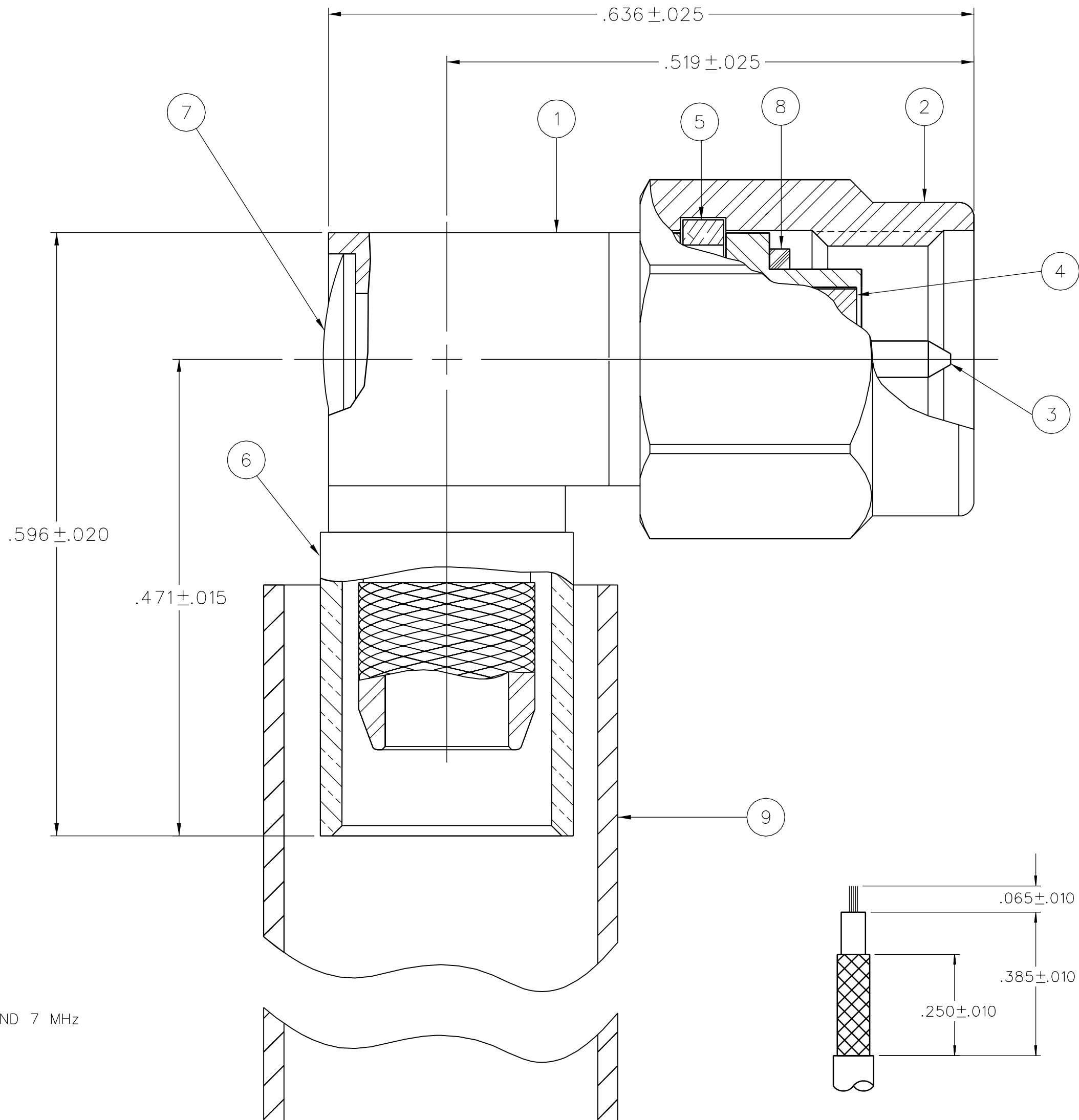


PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR TEFLON	ITEM ⑤ RETENTION SPRING BERYLLIUM COPPER UNPLATED	ITEM ⑥ CRIMP SLEEVE COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	ITEM ⑦ END CAP BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	ITEM ⑧ GASKET SILICONE	ITEM ⑨ HEAT SHRINK POLYOLEFIN COLOR: BLACK
141-0407-102	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

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

DRAWING NO.

C - 141-0407-101/110

0 REVISIONS

ENGINEERING RELEASE

01 05-03-90 *EJ* *RJB* *AW* 5-11-90
ECO 24553

UPDATE TO THICKWALL BODY,
INSULATOR AND CONTACT.

02 03-09-91 *DWB* *VET* *TK* *RJB* *AW* 3-20-91
ECO 40034

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* *TK* *RJB* ECO 42106

.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 50444

.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* *TK* 12-4-06
ECN 50735

UPDATED VIEWS

5 11-5-08 *PA* *RJB* *RT* *MJU* *JCN* 11-10-08
ECN 51709

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

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