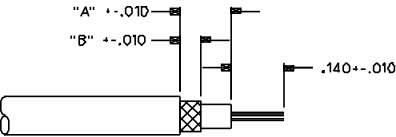


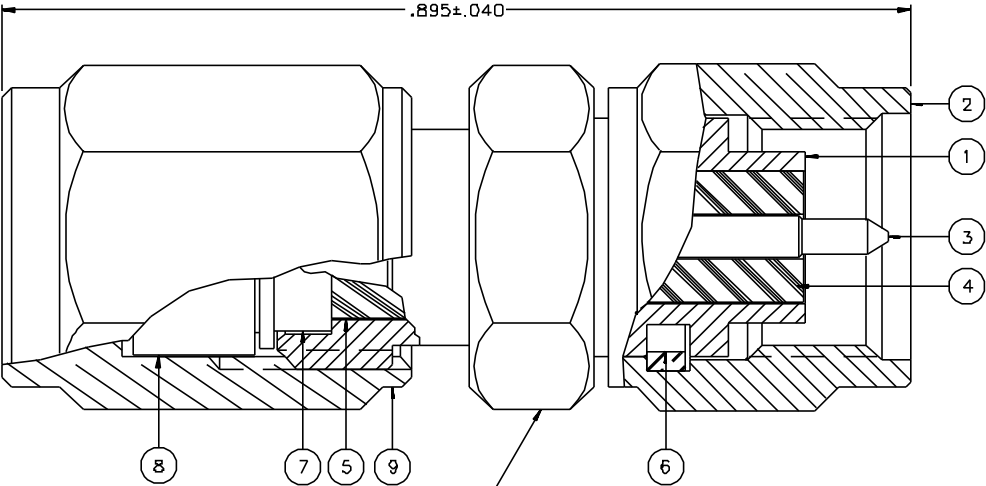
PART NUMBER	ITEM ① BODY	ITEM ② INTERFACE NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ INSULATOR	ITEM ⑥ RETENTION SPRING	ITEM ⑦ CLAMP STEM	ITEM ⑧ CLAMP CONE
142-0207-011	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	TEFZEL	BERYLLIUM COPPER UNPLATED	BRASS 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
142-0207-016	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	TEFZEL	BERYLLIUM COPPER UNPLATED	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN
PART NUMBER	ITEM ⑨ CLAMP NUT							
142-0207-011	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN							
142-0207-016	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN							



CABLE STRIP DIMENSIONS

4:1

CABLE	"A"	"B"
RG 58 GROUP	.225	.145
RG 142 GROUP	.285	.165



3X HEX .312 REF

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15-.01 F 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 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 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 (NICKEL PLATED)
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06, F 8B MAX (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 GROUP: RG 5B/U, RG 141/U, RG 303/U
RG 142 GROUP: RG 55/U, RG 142/U, RG 223/U, RG 400/U
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: 40 LBS MIN AXIAL FORCE (SINGLE SHIELD)
45 LBS MIN AXIAL FORCE (DOUBLE SHIELD)
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-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: ML-STD-202, METHOD 204, CONDITION D
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

DRAWING NO. C - 142-0207-011/020	
0	REVISIONS
ENGINEERING RELEASE	
I	6-23-92 RSH 6-30-92
CHANGED: STRIP DIMENSION .285 WAS .265 AND .165 WAS .145	
***** REVISION NUMBER FOLLOWED BY AN ALPHA *****	
***** CHARACTER INDICATED DRAWING CLARIFICATION *****	
***** CATION OR PART NUMBER ADDITION ONLY *****	
1a	9-10-96 RSH ECN 44275

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ANSI Y 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY RSH	DATE 6-23-92	299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832	
DECIMALS	CHECKED BY	DATE	TITLE PLUG ASSEMBLY, STRAIGHT CABLED CLAMP- SMA, RG 142	
.XX	TAK	6-25-92		
.XXX	APPROVED BY	DATE		
MATL	RJB	6-26-92		
FINISH	RELEASE DATE	6-30-92		
			CODE NO.	DRAWING NO. C - 142-0207-011/020
			SCALE 10:1	U/N INCH SHEET 2 OF 2