

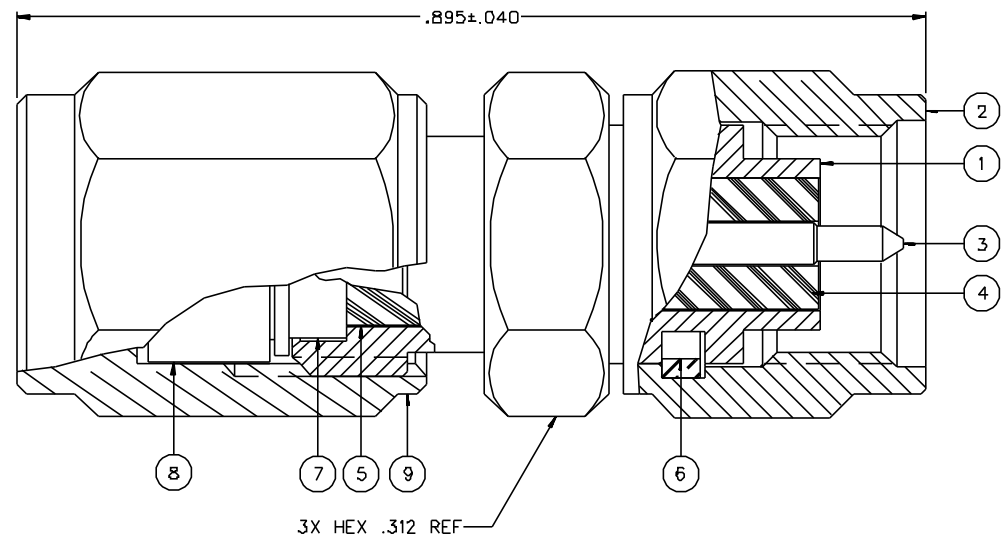
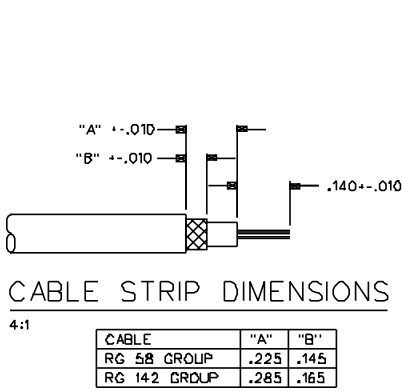
PART NUMBER	ITEM ① BODY	ITEM ② INTERFACE NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ INSULATOR	ITEM ⑥ RETENTION SPRING	ITEM ⑦ CLAMP STEM	ITEM ⑧ CLAMP CONE
142-0207-011	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER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

DRAWING NO. C - 142-0207-011/020	
0 REVISIONS	
ENGINEERING RELEASE	
1	6-23-92 RSH/HKB/ECN 41001
6-30-92	
CHANGED: STRIP DIMENSION .285 WAS .265 AND .165 WAS .145	

* REVISION NUMBER FOLLOWED BY AN ALPHA *	
* CHARACTER INDICATED DRAWING CLARIFY *	
* CATION OR PART NUMBER ADDITION ONLY *	

1a	9-10-96 RSH/HKB/ECN 44275



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 dB 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

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		
DECIMALS .XX	CHECKED BY	DATE	TITLE PLUG ASSEMBLY, STRAIGHT CABLED CLAMP- SMA, RG 142	
.XXX	APPROVED BY TAK	DATE 6-25-92	CODE NO.	DRAWING NO. C - 142-0207-011/020
MATL	APPROVED BY RJB	DATE 6-26-92	SCALE 10:1	U/M INCH SHEET 2 OF 2
FINISH	RELEASE DATE	6-30-92		

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