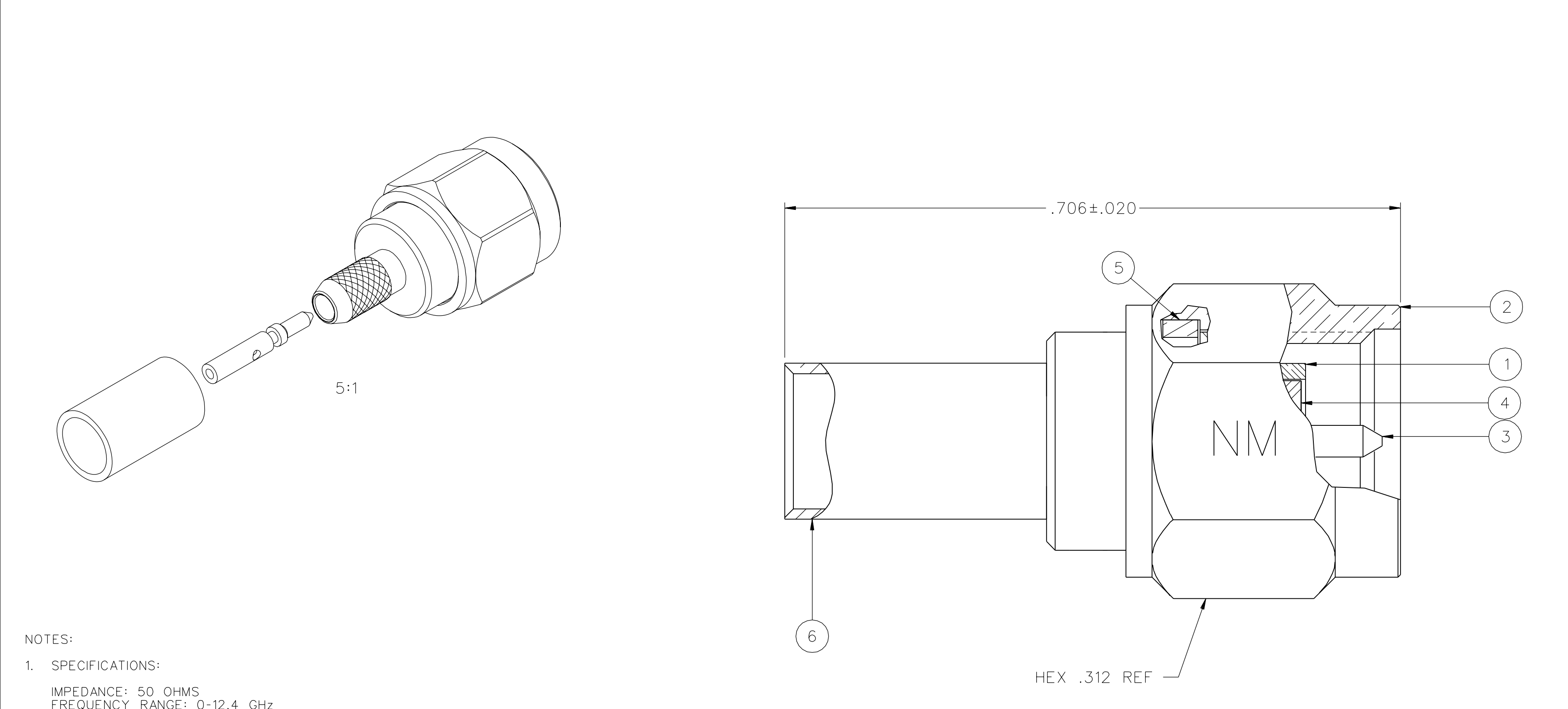


PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ RETENTION SPRING	ITEM ⑥ CRIMP SLEEVE
142-9404-011	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN
142-9404-014	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15+.02 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 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
CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06 √F dB MAX (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 316/U DOUBLE SHIELDED
 RG 188/U DOUBLE SHIELDED
CABLE HEX CRIMP SIZE: .151
CONTACT CRIMP TOOL: P/N 144-0000-910 WITH POSITIONER 141-0000-907
CABLE RETENTION: 20 LBS MIN AXIAL FORCE
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° C TO 165° 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

2. CONNECTOR MARKED "NM" FOR NON-MAGNETIC.

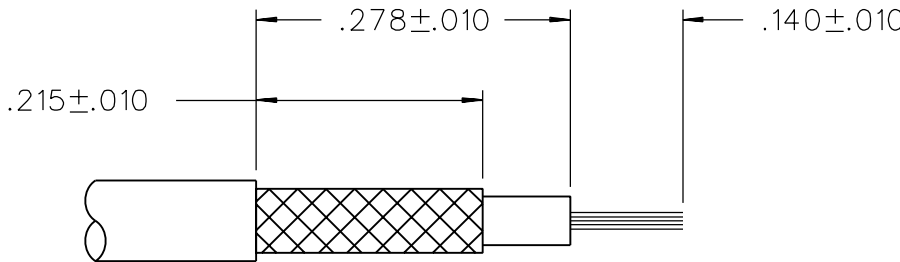
DRAWING NO.									
C - 142-9404-011/020									
0	REVISIONS								
ENGINEERING RELEASE									
1	7-16-03	R H	T A K	R J B			ECN 48841		
COPPER ALLOY WAS COPPER VERSION UPDATE									
2	2-21-07	P A T	J D S	T A K	M J U		10-3-04 ECN 31		

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL



CABLE STRIP DIMENSIONS

4:1

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY RSH		DATE 12-20-02		 Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS		mm		CHECKED BY TAK		DATE 7-16-03	
.XX				APPROVED BY RJB		DATE 7-16-03	
.XXX				TITLE PLUG ASSEMBLY, STRAIGHT CABLED NON-MAGNETIC SMA, RG 316 DS			
MATL							
FINISH		RELEASE DATE		7-16-03		SHEET	
		U/M		INCH		DRAWING NO.	
		SCALE		10:1		C - 142-9404-011/020	