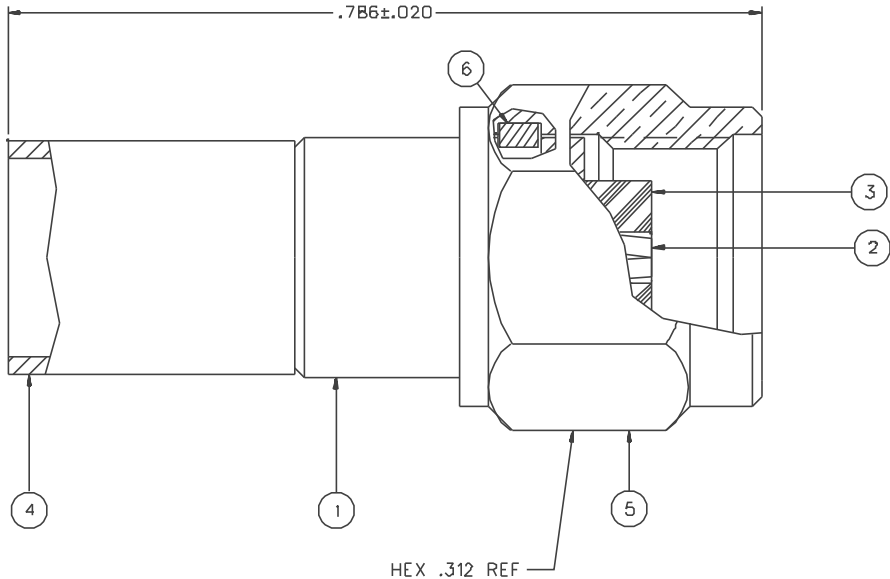


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR TEFLON	ITEM ④ CRIMP SLEEVE COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	ITEM ⑤ COUPLING NUT BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	ITEM ⑥ RETENTION SPRING BERYLLIUM COPPER UNPLATED
142-4407-001	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	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	BERYLLIUM COPPER UNPLATED
142-4407-006	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED



NOTES:

1. SPECIFICATIONS:

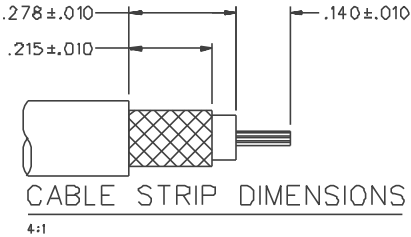
IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-12.4 GHz
 VSWR: 1.15-.01 F MAX (F IN GHz)
 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 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 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 AXIAL FORCE
 CABLE ACCEPTABILITY: RG 58/U, RG 141/U
 RG 303/U
 CABLE HEX CRIMP SIZE: .213
 CONTACT CRIMP TOOL: P/N 144-DDDD-910 WITH POSITIONER 141-0000-907
 CABLE RETENTION: 45 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: ML-STD-202, METHOD 204, CONDITION D
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



DRAWING NO.									
C - 142-4407-001/010									
0	REVISIONS								
ENGINEERING RELEASE									
1	11-11-98	R	H	1	1	1	1	1	1-5-99 ECN 45891
VERSION UPDATE									
1a	6-9-00	R	H	K	1	1	1	1	B-2-00 ECN 47103
ADDED: CRIMP TOOL P/N'S									

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

1b	12-11-00	R	H	K	1	1	1	1	ECN 47441

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY RSH	DATE 11-11-98	299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832	TITLE PLUG ASSEMBLY, STRAIGHT CABLED, REVERSE POLARITY SMA, RG 58
DECIMALS .XX	mm	CHECKED BY SWC	DATE 11-13-98		
.XXX		APPROVED BY TAK	DATE 12-7-98	CODE NO.	DRAWING NO. C - 142-4407-001/010
MATL		APPROVED BY RJB	DATE 12-14-98		
FINISH		RELEASE DATE	1-5-99	SCALE 10:1	U/N INCH SHEET 2 OF 2