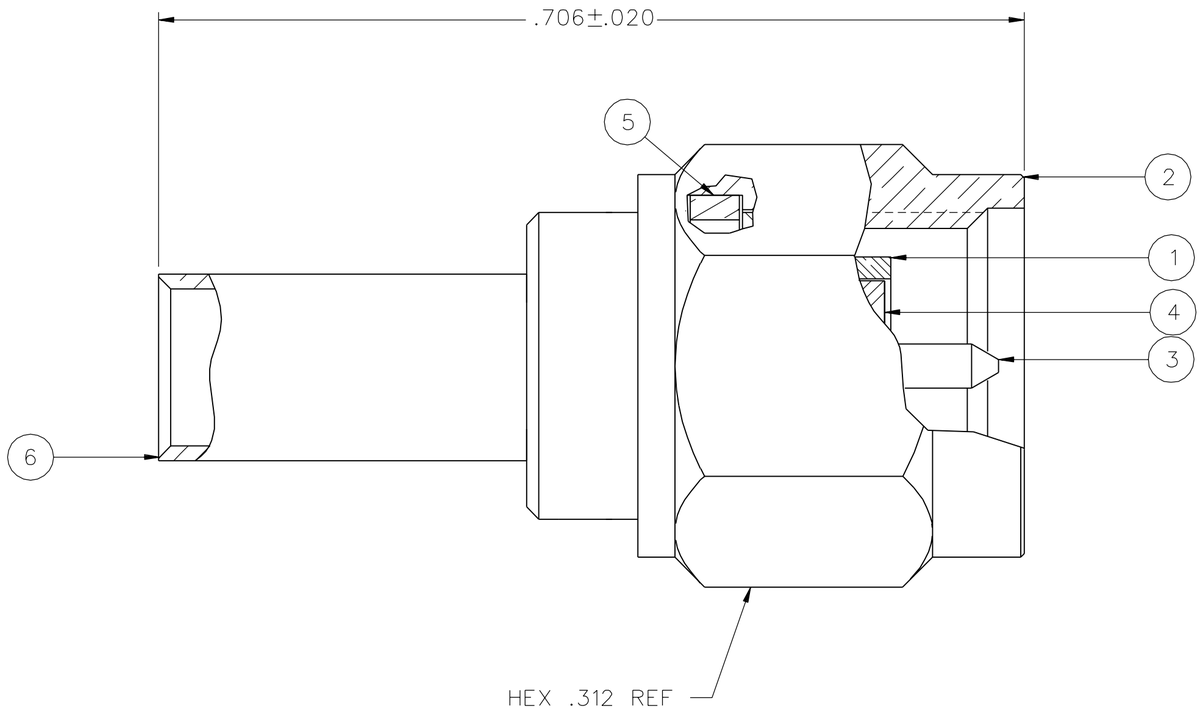
PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ RETENTION SPRING	ITEM ⑥ CRIMP SLEEVE
142-0403-011	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-0403-014	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN
142-0403-016	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	BERYLLIUM COPPER UNPLATED	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



NOTES:

1. SPECIFICATIONS:

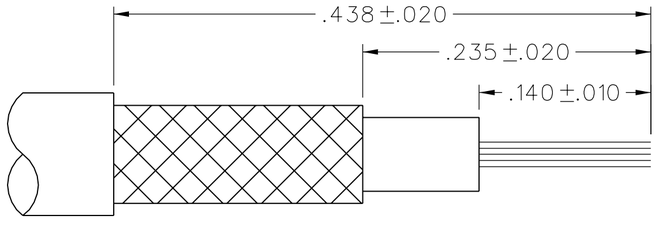
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15+.02 F MAX (F IN GHz)
WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED AND SILVER PLATED) 5.0 MILLIOHM MAX (NICKEL PLATED)
CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06 $\sqrt{F}$ 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 188/U, RG 316/U RG 161/U, RG 174/U
CABLE HEX CRIMP SIZE: .128
CONTACT CRIMP TOOL: 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-PRF-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 B
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



CABLE STRIP DIMENSIONS

DRAWING NO.
C – 142-0403-011/020

0	REVISIONS								
ENGINEERING RELEASE									
1	5-26-92	R H	T A K	R J B	H E M			6-30-92 ECO 41041	
VERSION UPDATE									
1a	4-19-95	R H	S W C	T A K	R J B	P A H		6-1-95 ECN 43204	
ADDED: P/N 142-0403-014									
1b	11-7-96	R H	R J B	B A				ECN 44451	
CHANGED: P/N 142 0403-014 ITEMS 1, 2 AND 3 COPPER WAS BRASS									
1c	9-7-99	R H	R J B	J F				9-27-99 ECN 46423	
VERSION UPDATE									
1d	5-25-00	R H	K A S	T A K	R J B	E R H		8-2-00 ECN 47101	
ADDED: CRIMP TOOL P/N'S									
**********									
* REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFI– CATION OR PART NUMBER ADDITION ONLY. *									
**********									
1e	12-7-00	R H	J K R	T A K	R J B			ECN 47306	
ADD: .438±.020, .235±.020, REMOVED: .278±.010, .215±.010									
**********									
* REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFI– CATION OR PART NUMBER ADDITION ONLY. *									
**********									
1f	3-30-08	P A T	C S M	R J B	M J U	J C N		4-16-08 ECN 51391	

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED DECIMALS / mm .XX .XXX MATL FINISH	DRAWN BY TAK	DATE 2-26-92	cinch CONNECTIVITY SOLUTIONS a bel group
	CHECKED BY	DATE	TITLE: PLUG ASSEMBLY, STRAIGHT CABLED SMA, RG 316
	APPROVED BY TAK	DATE 6-25-92	
	RELEASE DATE 6-30-92		SHEET 2 OF 2
	U/M INCH	SCALE 10:1	DRAWING NO. C – 142-0403-011/020

Please read our datasheet & drawing disclaimer here.