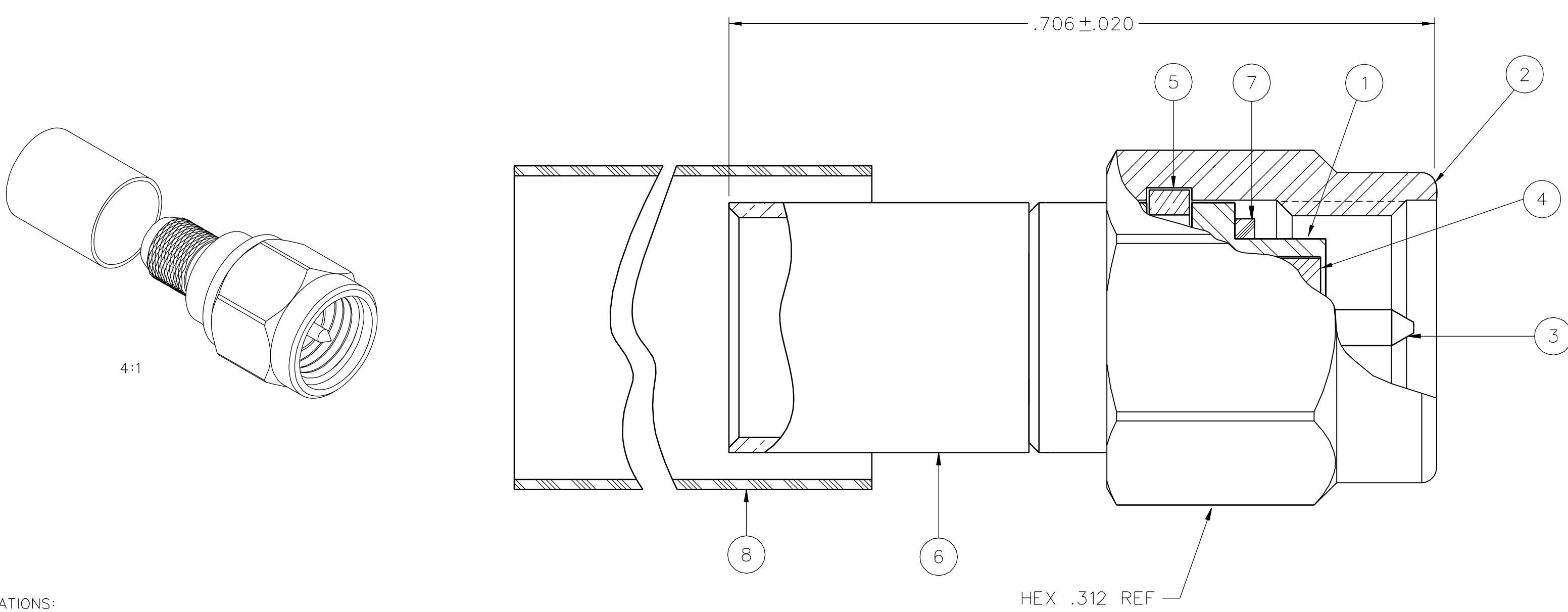


PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ RETENTION SPRING	ITEM ⑥ CRIMP SLEEVE	ITEM ⑦ GASKET	ITEM ⑧ HEAT SHRINK
141-0408-011	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	SILICONE RUBBER	POLYOLEFIN COLOR: BLACK
141-0408-012	STAINLESS STEEL PASSIVATED	STAINLESS STEEL PASSIVATED	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	SILICONE RUBBER	POLYOLEFIN COLOR: BLACK
141-0408-013	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFZEL	BERYLLIUM COPPER UNPLATED	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	SILICONE RUBBER	POLYOLEFIN COLOR: BLACK

DRAWING NO. C - 141-0408-011/020	
0 REVISIONS	
ENGINEERING RELEASE	
1	6-17-92 R T R H E M 6-30-92 ECO 41117
ADDED: ITEM 8 HEAT SHRINK	
2	10-6-92 R T R P A H 10-29-92 ECO 41316
CHANGED: CRIMP SLEEVE MATERIAL BRASS WAS COPPER	
2a	5-12-94 R S T R P A H 5-19-94 ECN 42469
VERSION UPDATE	
2b	9-15-94 R J T R P A H 9-27-94 ECN 42725
VERSION UPDATE	
2c	2-1-95 R H S W A K J B P A H 3-1-95 ECN 43192
ADDED: P/N 141-0408-013	
***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. * *****	
2d	5-29-97 R H J B P A H ECN 44729
GRAPHICS & VERSION UPDATE	
3	12-12-05 P S R P A B D J B W 4-18-06 ECN 50050
VERSION UPDATE	
***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. * *****	
3a	5-26-06 P S P A B D W 6-20-06 ECN 50464
45 LBS MIN AXIAL FORCE WAS 40	
***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. * *****	
3b	6-7-06 P S R A B D J B 7-19-06 ECN 50481
UPDATED VIEWS	
4	10-23-08 P R R M J A T J B U N 10-23-08 ECN 51687



NOTES:

1. SPECIFICATIONS:

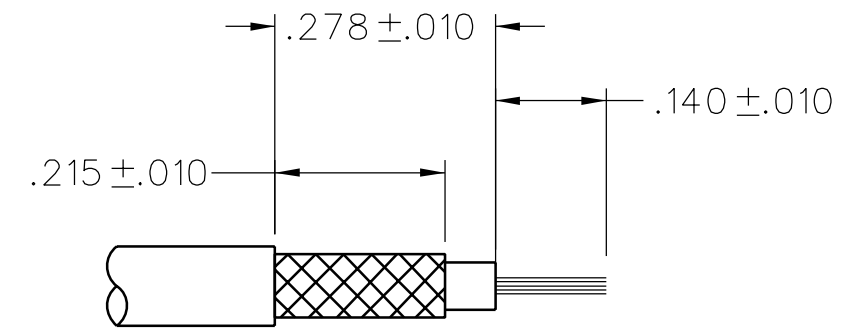
IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: 0-12.4 GHz  
 VSWR: 1.15+.01F MAX (F IN GHz)  
 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
 INSULATION RESISTANCE: 5000 MEGOHM MIN  
 CONTACT RESISTANCE:  
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, 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 (PASSIVATED)  
 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 IN-LBS MAX  
 MATING TORQUE: 7-10 IN-LBS  
 COUPLING PROOF TORQUE: 15 IN-LBS MIN  
 COUPLING NUT RETENTION: 60 LBS MIN  
 CONTACT RETENTION: 6 LBS MIN AXIAL FORCE  
 CABLE ACCEPTABILITY: RG 55/U, RG 142/U, RG 223/U, RG 400/U  
 CABLE HEX CRIMP SIZE: .213  
 CONTACT CRIMP TOOL: MIL M225201/1-01  
 CABLE RETENTION: 45 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 D  
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



CABLE STRIP DIMENSIONS


4:1

CUSTOMER DRAWING

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

"μ STATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY TAK	DATE 3-9-92	 <b>Cinch</b> CONNECTIVITY SOLUTIONS a bel group	Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256
DECIMALS _____ mm _____	CHECKED BY	DATE		TITLE PLUG ASSEMBLY, STRAIGHT CABLED SMA, RG 142
.XX ±.003 _____	APPROVED BY RJB/TAK	DATE 6-26-92	SHEET 2 OF 2	DRAWING NO. C - 141-0408-011/020
MATL _____	RELEASE DATE 6-30-92	SCALE 10:1		
FINISH _____	U/M INCH	SCALE 10:1		