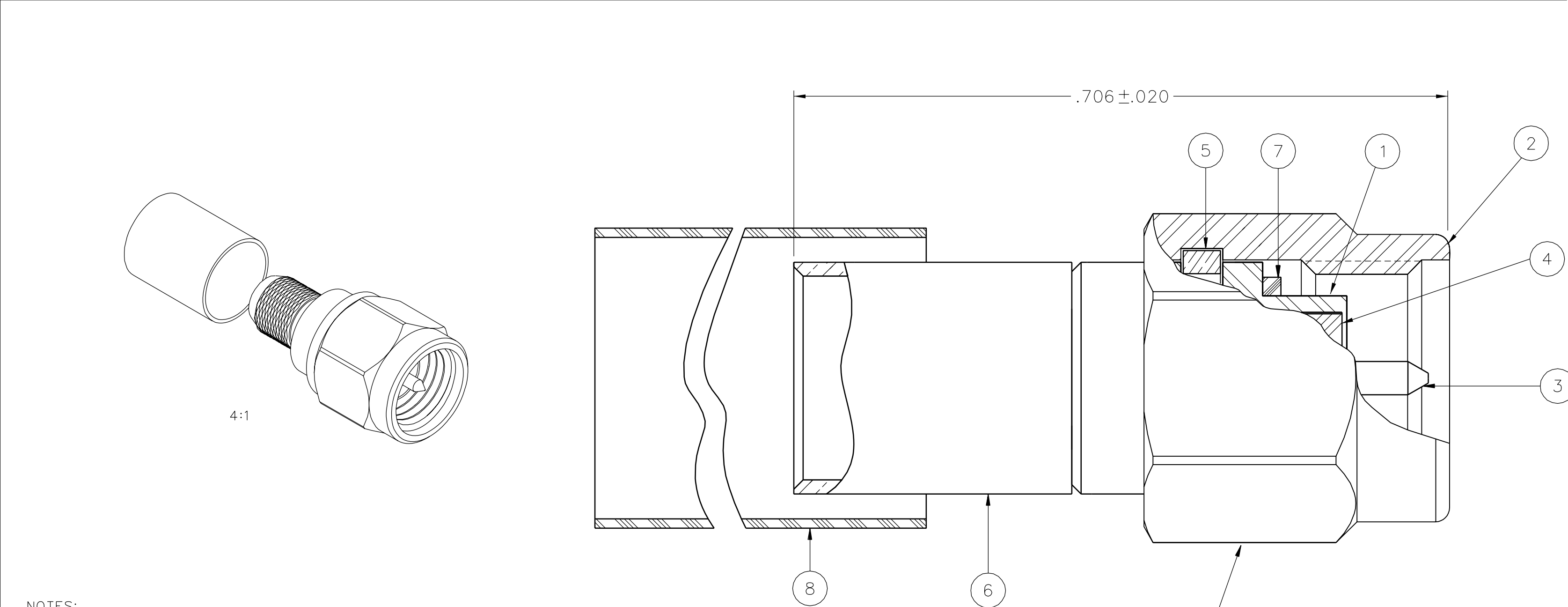


PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ RETENTION SPRING	ITEM ⑥ CRIMP SLEEVE	ITEM ⑦ GASKET	ITEM ⑧ HEAT SHRINK
141-0408-011	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	BRASS GOLD PL .00005 MIN 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



NOTES:

1. SPECIFICATIONS:

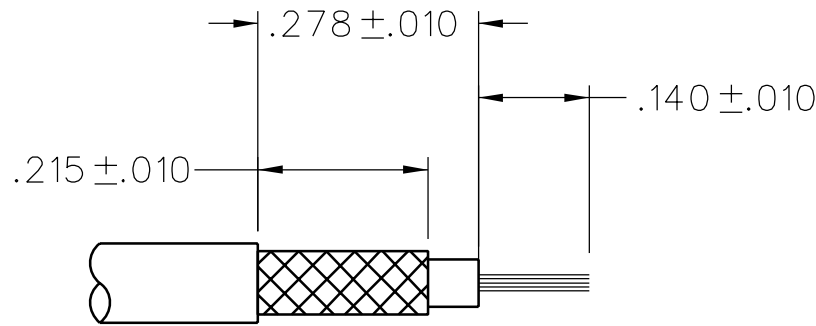
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15+.01 F MAX (F IN GHz)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 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 (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

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

DRAWING NO.						
C - 141-0408-011/020						
0	REVISIONS					
ENGINEERING RELEASE						
1	6-17-92	R H	T A K	R J B	H E M	6-30-92 ECO 41117
ADDED: ITEM 8 HEAT SHRINK						
2	10-6-92	R H	T A K	R J B	P A H	10-29-92 ECO 41316
CHANGED: CRIMP SLEEVE MATERIAL BRASS WAS COPPER						
2a	5-12-94	R H	S W C	T A K	R J B P A H	5-19-94 ECN 42469
VERSION UPDATE						
2b	9-15-94	R H	J N	T A K	R J B P A H	9-27-94 ECN 42725
VERSION UPDATE						
2c	2-1-95	R H	S W C	T A K	R 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 CLARIFI- *						
* CATION OR PART NUMBER ADDITION ONLY. *						

2d	5-29-97	R H	R J B			ECN 44729
GRAPHICS & VERSION UPDATE						
3	12-12-05	P A T	S B D	R J B	P D W	4-18-06 ECN 50050
VERSION UPDATE						

* REVISION NUMBER FOLLOWED BY AN ALPHA *						
* CHARACTER INDICATES DRAWING CLARIFI- *						
* CATION OR PART NUMBER ADDITION ONLY. *						

3a	5-26-06	P A T	S B D	P D W		6-20-06 ECN 50464
45 LBS MIN AXIAL FARCE WAS 40						

* REVISION NUMBER FOLLOWED BY AN ALPHA *						
* CHARACTER INDICATES DRAWING CLARIFI- *						
* CATION OR PART NUMBER ADDITION ONLY. *						

3b	6-7-06	P A T	S B D	R J B		7-19-06 ECN 50481
UPDATED VIEWS						
4	10-23-08	P A T	R J B	R T	M J C U N	10-23-08 ECN 51687

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL