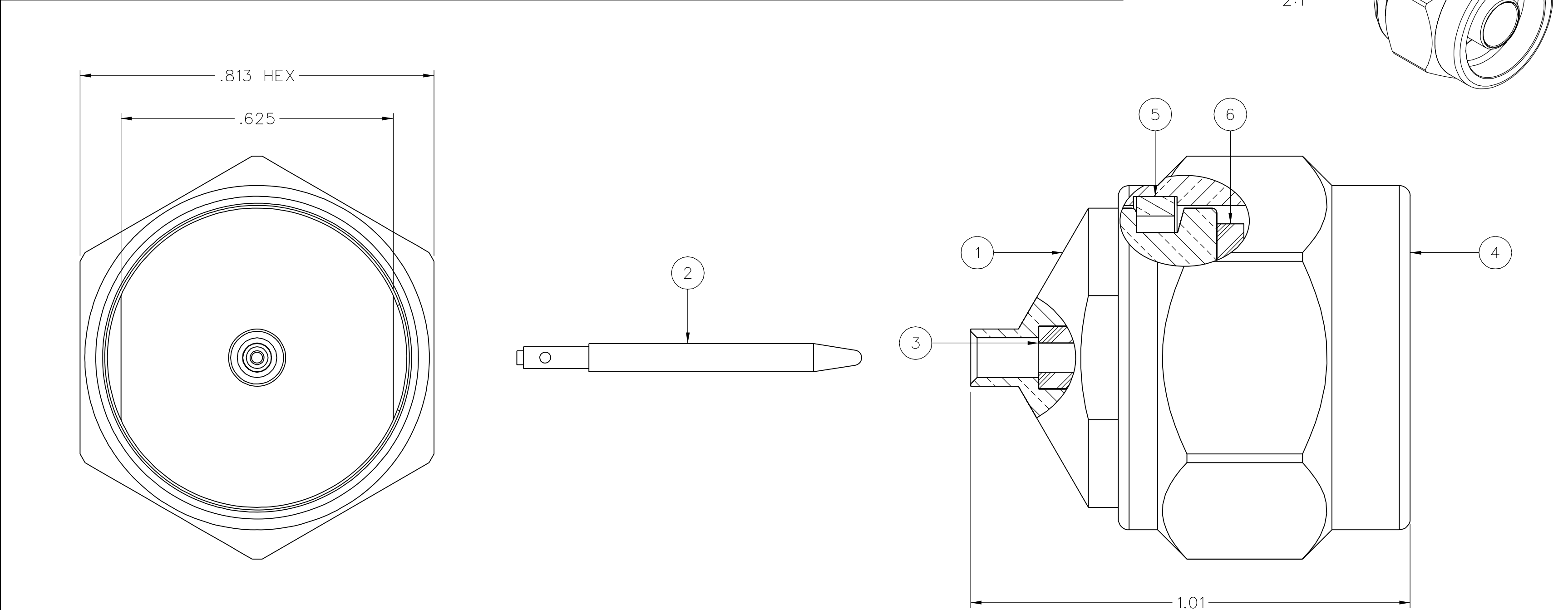


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ COUPLING NUT	ITEM ⑤ RETENTION SPRING	ITEM ⑥ SEAL GASKET
138-4693-001	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS TRI-ALLOY PL .0001 MIN	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER
138-4693-007	BRASS TRI-ALLOY PL .0001 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS TRI-ALLOY PL .0001 MIN	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER



NOTES:

1. SPECIFICATIONS:

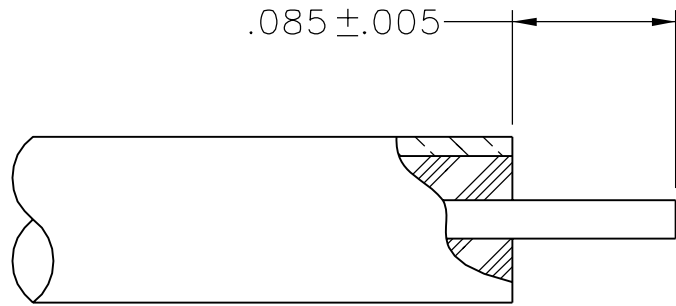
IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-18 GHz  
VSWR: 1.07+.01F (GHz) MAX AT 0-11 GHz, TYPICALLY < 1.25 AT 11-18 GHz  
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 5000 MEGOHM MIN  
CONTACT RESISTANCE:  
    CENTER CONTACT - INITIAL 1.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX  
    OUTER CONDUCTOR - INITIAL 0.2 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET  
INSERTION LOSS: .05√F (GHz), TESTED AT 9 GHz  
RF LEAKAGE: -90 dB MIN AT 2 TO 3 GHz  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS AT 4 AND 7 MHz  
THIRD ORDER INTERMODULATION PRODUCT (IMP3): TYPICALLY < -90 dBm  
(TESTED PER IEC GUIDELINES WITH 20W CW INPUTS AT 1930-1990 MHz)

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 6 IN-LBS MAX  
MATING TORQUE: 7-10 IN-LBS  
COUPLING PROOF TORQUE: 15 IN-LBS MIN  
COUPLING NUT RETENTION: 100 LBS MIN  
CONTACT RETENTION: NOT APPLICABLE  
CABLE ACCEPTABILITY: RG405, .086 OD SEMIRIGID  
CABLE HEX CRIMP SIZE: NOT APPLICABLE  
CABLE RETENTION: 30 LBS MIN AXIAL FORCE  
    16 IN-OZ MIN TORQUE  
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  
10:1


DRAWING NO.						
C - 138-4693-001/010						
0	REVISIONS					
ENGINEERING RELEASE						
1	10-11-05	P A T	J R K	P D W	M J U	4-7-06 ECN 49930
DELETE: BODY TO CABLE - 0.05 MILLIOHM MAX.						
*****						
* REVISION NUMBER FOLLOWED BY AN ALPHA *						
* CHARACTER INDICATES DRAWING CLARIFI *						
* CATION OR PART NUMBER ADDITION ONLY. *						
*****						
1a	9-15-06	P A T	J R K	P D W		9-21-06 ECN 50623

## CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY JRK		DATE 10-10-05		 <b>cinch</b> CONNECTIVITY SOLUTIONS a bel group	Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS		CHECKED BY		DATE			TITLE STRAIGHT SOLDER PLUG, TYPE N CONNECTOR, RG405 (.086) SEMI-RIGID	
.XX REF	mm	PDW		4-6-06				
.XXX REF		APPROVED BY		DATE				
MATL		JRK		4-6-06				
FINISH		RELEASE DATE		4-7-06				
		U/M	INCH	SCALE	5:1	SHEET 2 OF 2		DRAWING NO. C - 138-4693-001/010