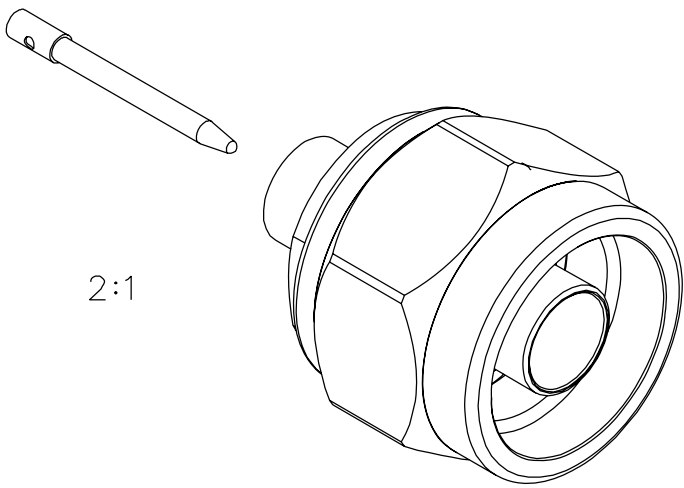
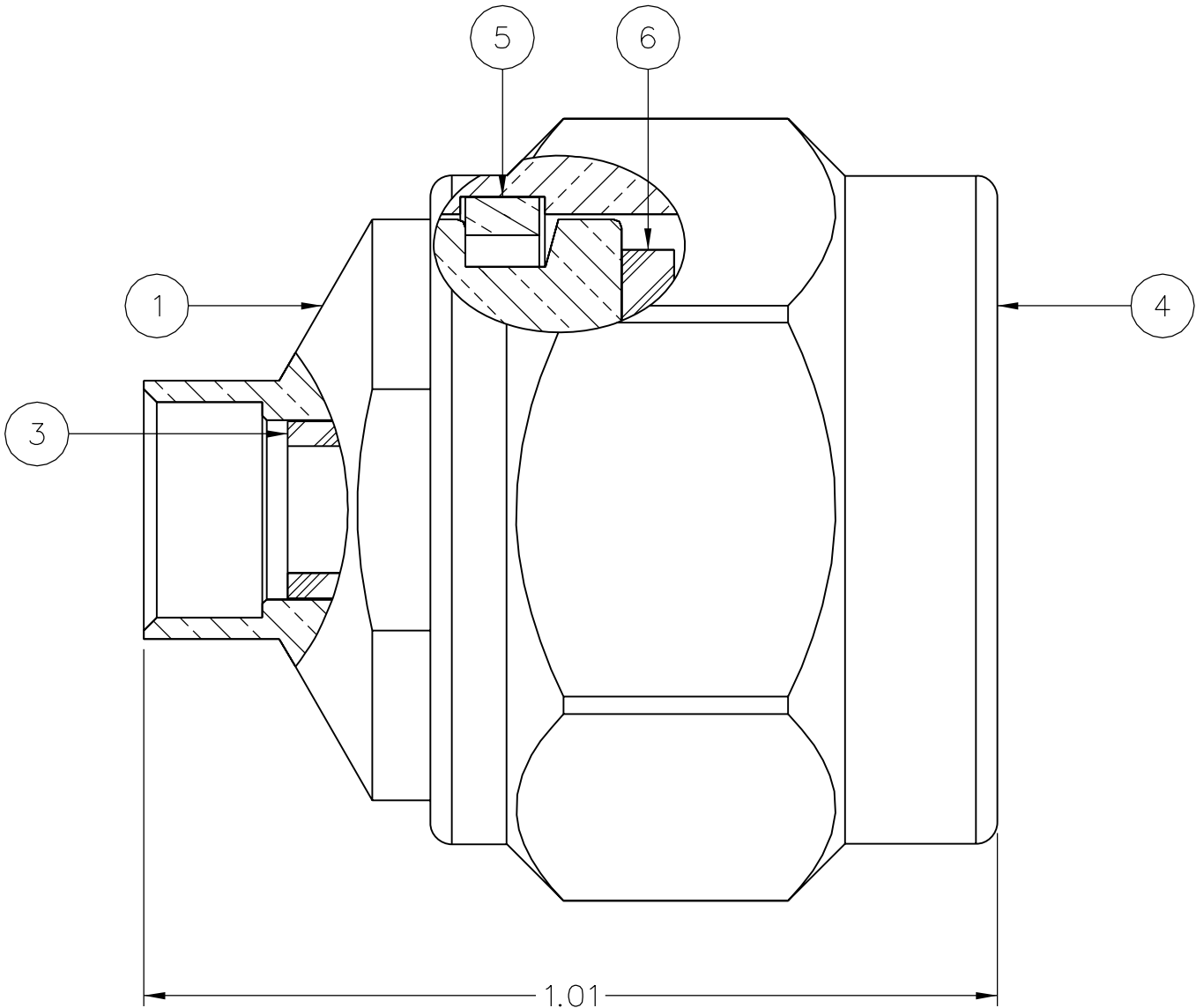
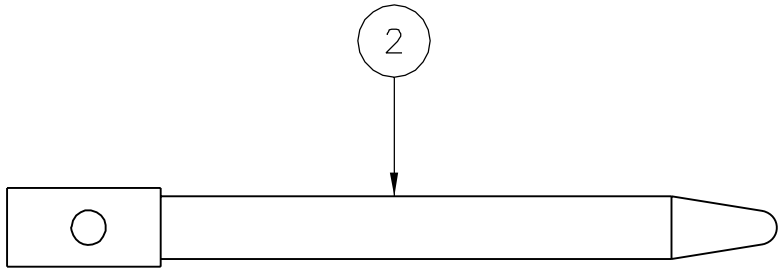
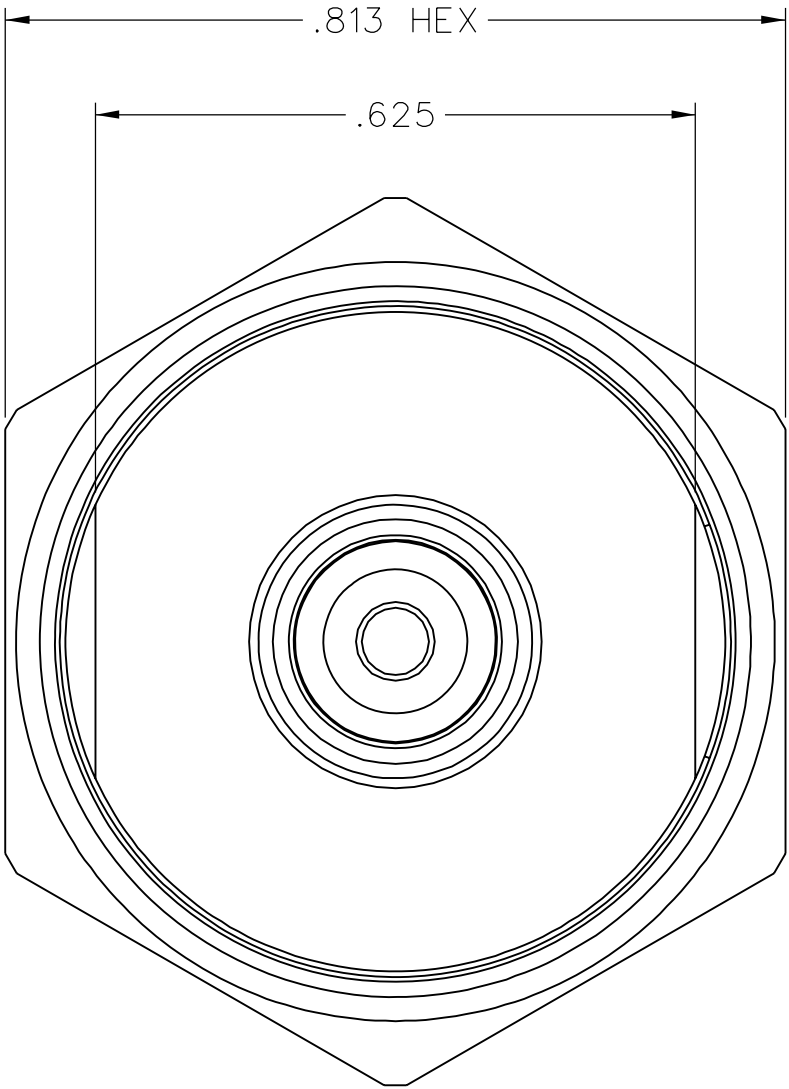


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ COUPLING NUT	ITEM ⑤ RETENTION SPRING	ITEM ⑥ SEAL GASKET
138-4696-001	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS TRI-ALLOY PL .0001 MIN	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER
138-4696-007	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:

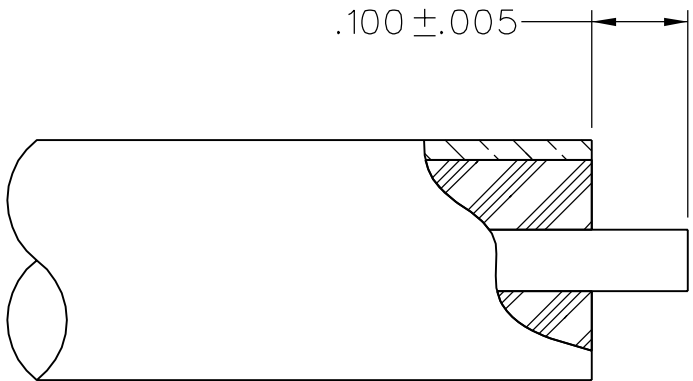
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-18 GHz
VSWR: 1.06+.01F (GHz) MAX AT 0-11 GHz, TYPICALLY < 1.22 AT 11-18 GHz
WORKING VOLTAGE: 1000 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 2500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 1.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX
 OUTER CONDUCTOR - INITIAL 0.2 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
CORONA LEVEL: 500 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: 1500 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: RG401, .250 OD SEMIRIGID
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: 90 LBS MIN AXIAL FORCE
 80 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

DRAWING NO.									
C - 138-4696-001/010									
0	REVISIONS								
ENGINEERING RELEASE									
1	10-11-05	P A T	J R K	P D W	M J U	4-7-06 ECN 49932			
DELETE: BODY TO CABLE - 0.05 MILLIOHM MAX SPEC.									

* 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 50625			

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	 Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS .XX REF	mm _____	CHECKED BY PDW	DATE 4-6-06		
.XXX REF	_____	APPROVED BY JRK	DATE 4-6-06	TITLE STRAIGHT SOLDER PLUG, TYPE N CONNECTOR, RG401 (.250) SEMI-RIGID	
MATL _____		RELEASE DATE	4-7-06	SHEET 2 OF 2	DRAWING NO. C - 138-4696-001/010
FINISH _____		U/M	INCH	SCALE	5:1