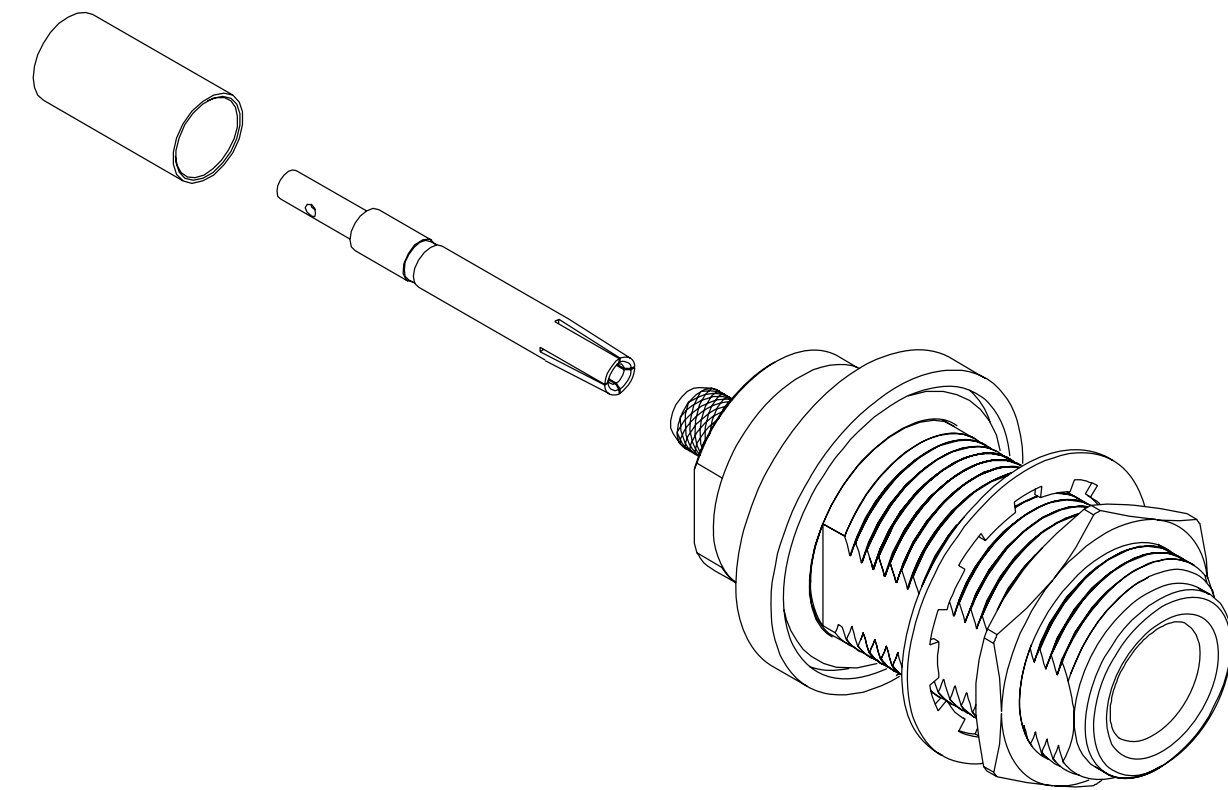
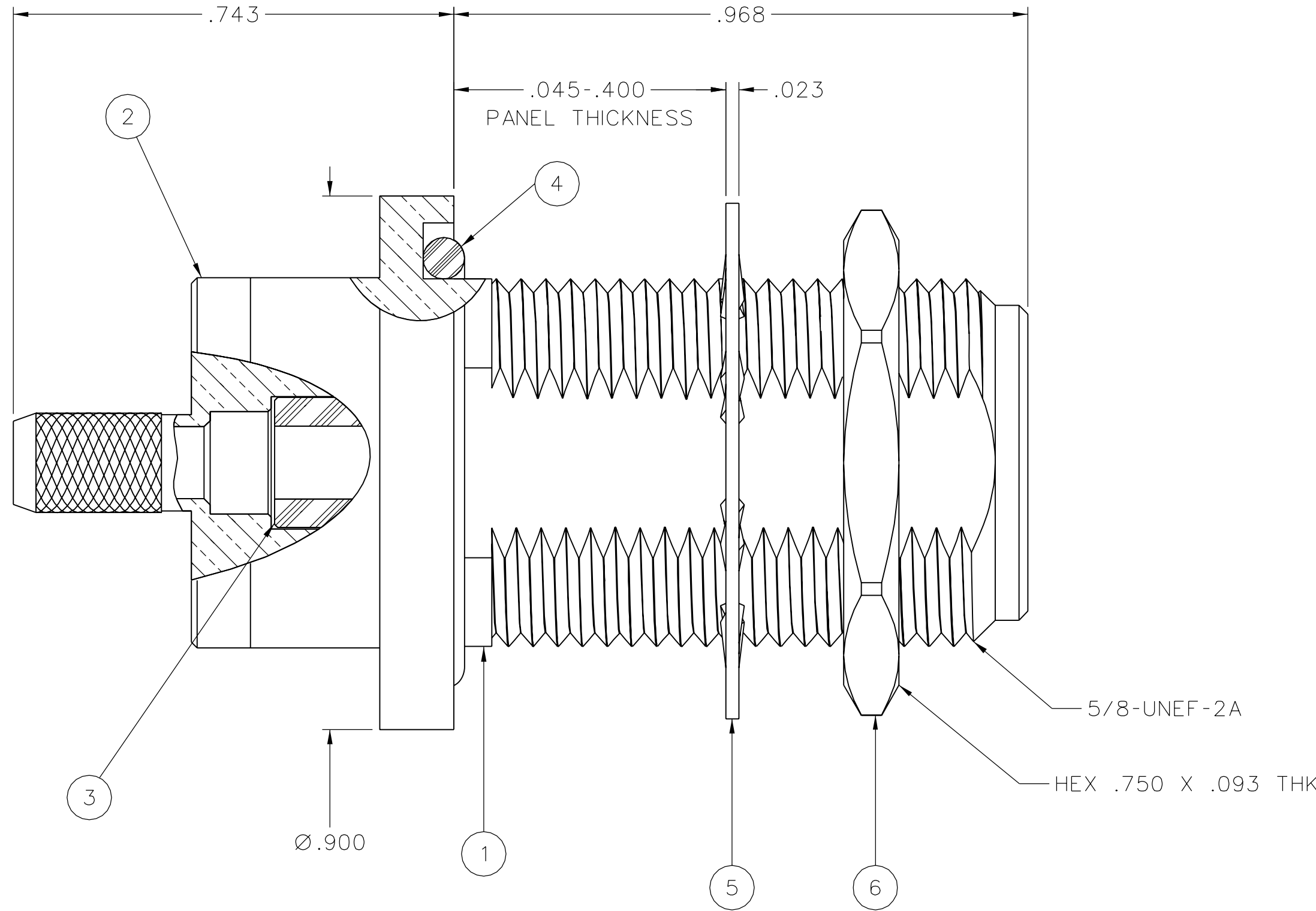


PART NUMBER	ITEM ① BODY	ITEM ② STEM	ITEM ③ INSULATOR	ITEM ④ O-RING	ITEM ⑤ LOCKWASHER	ITEM ⑥ MOUNTING NUT	ITEM ⑦ CONTACT	ITEM ⑧ CRIMP SLEEVE
138-4308-406	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON	SILICONE RUBBER	STEEL TRI-ALLOY .0001 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN
138-4308-407	BRASS TRI-ALLOY PL .0001 MIN	BRASS TRI-ALLOY PL .0001 MIN	TEFLON	SILICONE RUBBER	STEEL TRI-ALLOY .0001 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER TRI-ALLOY PL .0001 MIN

DRAWING NO.				
D - 138-4308-401/410				
0	REVISIONS			
ENGINEERING RELEASE				
1	2-15-06	P A T	D J U	4-17-06 ECN 50291
LOCKWASHER TRI-ALLOY WAS ZINC .045-.400 WAS .045-.125 ***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * CATION OR PART NUMBER ADDITION ONLY. *****				
1a	2-8-07	P A T	J R D J U	2-15-07 ECN 50935



2:1



NOTES:

1. SPECIFICATIONS:

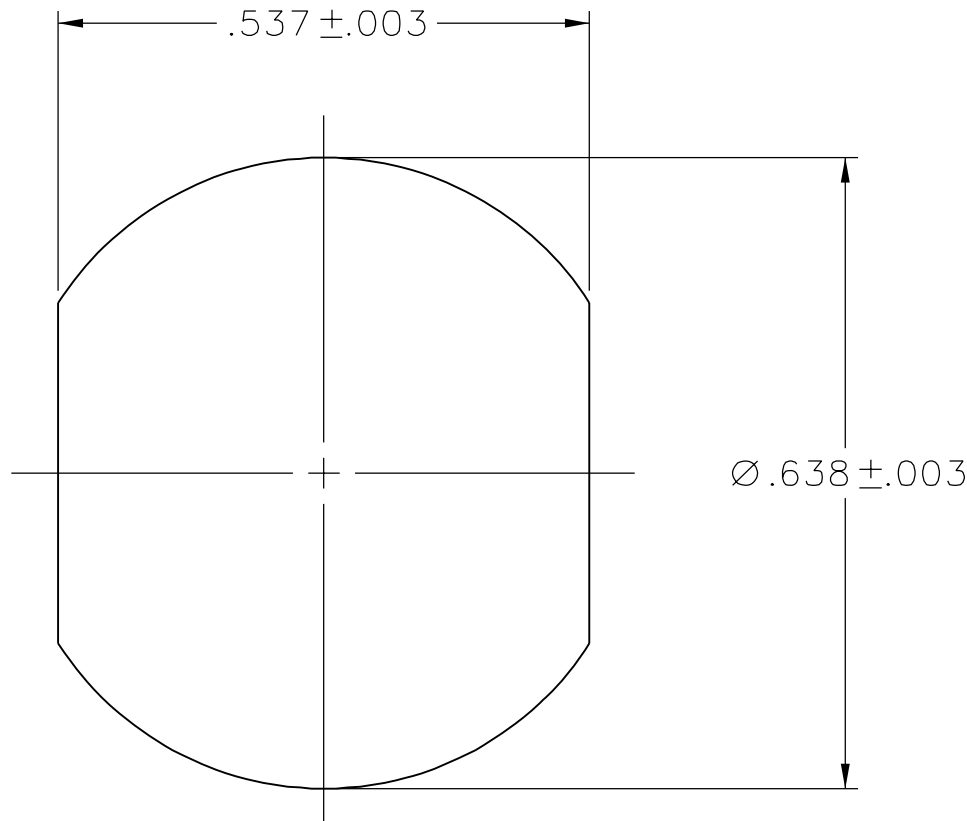
IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-11 GHz  
VSWR: 1.30 MAX AT 0-11 GHz  
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 5000 MEGOHM MIN  
CONTACT RESISTANCE:  
    CENTER CONTACT - INITIAL 1.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX  
    OUTER CONDUCTOR - INITIAL 1.5 MILLIOHM MAX, 2 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
    BODY TO CABLE - INITIAL .05 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET  
INSERTION LOSS: .15 dB MAX, 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:

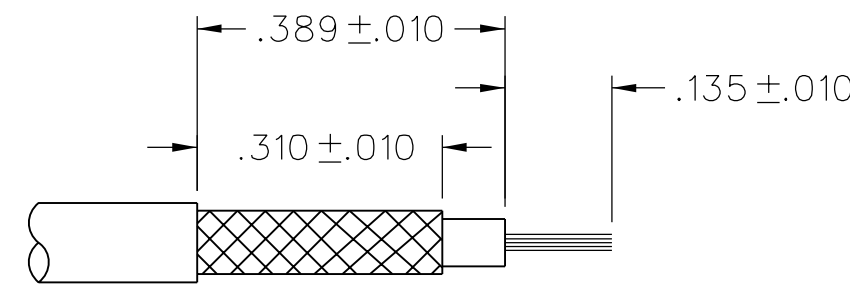
ENGAGE/DISENGAGE TORQUE: 6 IN-LBS MAX  
MATING TORQUE: 7-10 IN-LBS  
COUPLING PROOF TORQUE: NOT APPLICABLE  
COUPLING NUT RETENTION: NOT APPLICABLE  
CONTACT RETENTION: NOT APPLICABLE  
CABLE ACCEPTABILITY: RG 142, RG 55, RG 223, RG 400  
CABLE HEX CRIMP SIZE: .213  
CONTACT HEX CRIMP SIZE: .068  
CABLE 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 B  
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



MOUNTING HOLE




CABLE STRIP DIMENSIONS  
NOT TO SCALE

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY PAT		DATE 2-15-06		 <b>Connectivity Solutions</b> P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS	mm	CHECKED BY PDW		DATE 4-13-06		TITLE ASSEMBLY, TYPE N CRIMP BULKHEAD JACK RG 142	
.XX		APPROVED BY JRK		DATE 4-13-06			
.XXX REF		RELEASE DATE 4-17-06		SHEET 2 OF 2			
MATL		U/M INCH		SCALE 5:1		DRAWING NO. D - 138-4308-401/410	
FINISH							