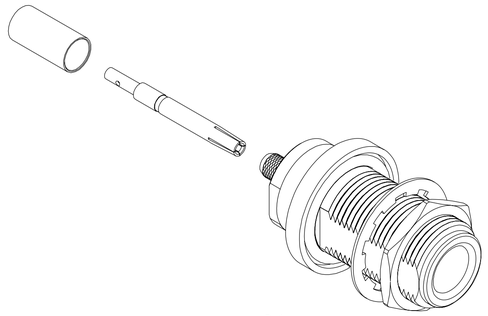
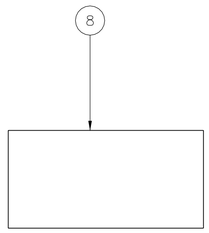
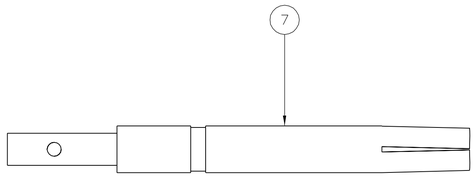
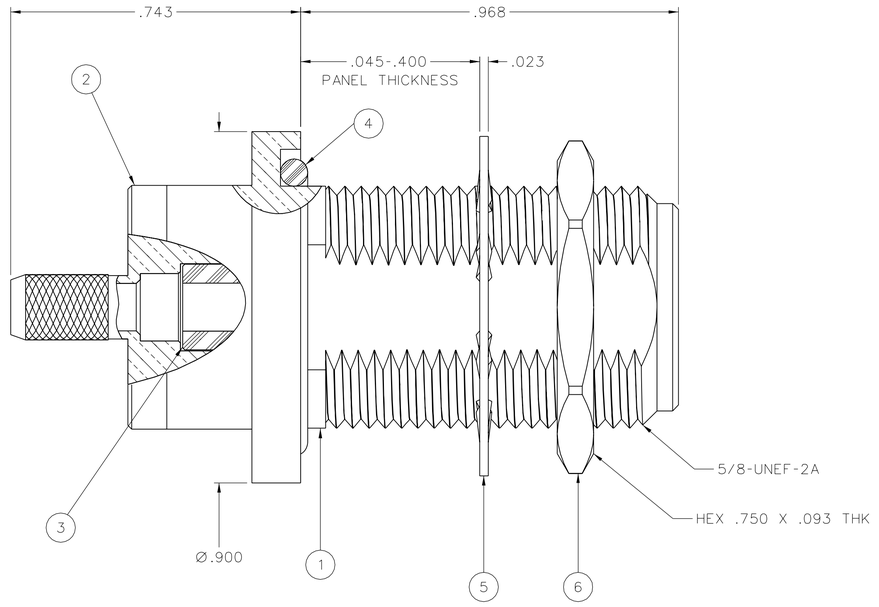
PART NUMBER	ITEM (1) BODY	ITEM (2) STEM	ITEM (3) INSULATOR	ITEM (4) O-RING	ITEM (5) LOCKWASHER	ITEM (6) MOUNTING NUT	ITEM (7) CONTACT	ITEM (8) CRIMP SLEEVE
138-4308-406	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON	SILICONE RUBBER	STEEL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



2:1







NOTES:

1. SPECIFICATIONS:

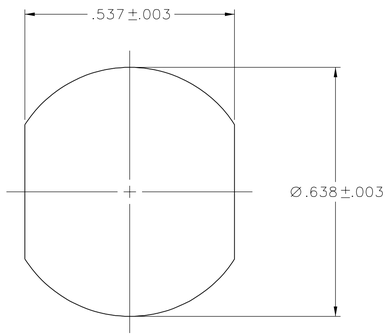
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-11 GHz
VSWR: 1.30 MAX AT 0-11 GHz
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 1.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 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:

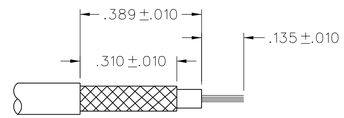
ENGAGE/DISENGAGE TORQUE: 6 IN-LBS MAX
MATING TORQUE: 7-10 IN-LBS
COUPLING PROOF TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: NOT APPLICABLE
CABLE ACCEPTABILITY: RG 142, RG 55, RG 223, RG 400
CABLE HEX CRIMP SIZE: .213
CONTACT HEX CRIMP SIZE: .068
CABLE RETENTION: 45 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

DRAWING NO.
D - 138-4308-401/410

REVISIONS			
ENGINEERING RELEASE			
1	2-15-06	PAT JRK PDW MJU	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	PAT JRK PDW MJU	2-15-07 ECN 50935

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

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