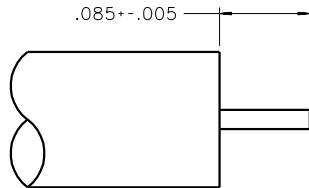
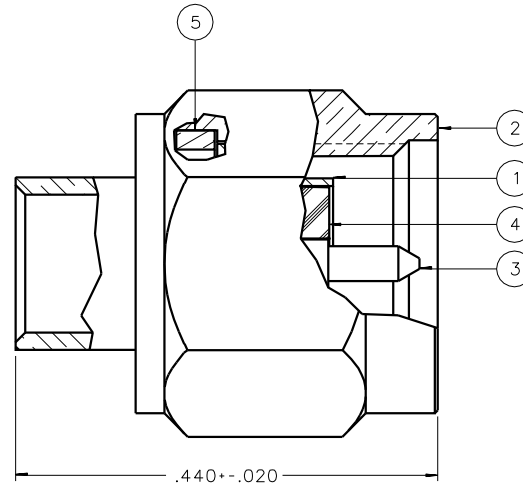


PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ RETENTION SPRING
142-0694-001	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED
142-0694-002	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED
142-0694-004	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	TEFLON	BERYLLIUM COPPER UNPLATED
142-0694-006	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED

DRAWING NO. C - 142-0694-001/010			
0 REVISIONS			
ENGINEERING RELEASE			
01	11-22-88	E J K B W	12-01-88 ECO 24379
VERSION UPDATE			
02	10-17-89	E J K B W	10-19-89 ECO 24161
ADDED: MOISTURE RESISTANCE. 115° C HIGH TEMP TO THERMAL SHOCK SPEC.			
03	06-06-90	E J K B W	7-2-90 ECO 24437
CHANGED: 10GHZ WAS 9 TO 12 GHZ. .085+- .005 WAS .085+- .015. DELETED: .331+- .010			
04	11-17-90	R H J B W	11-29-90 ECO 24974
VERSION UPDATE			
5	9-1-91	R H J B W	9-5-91 ECO 40498
VERSION UPDATE			
5a	1-14-00	R H J B W	3-22-00 ECN 46900
ADDED: P/N 142-0694-002			
5b	4-14-00	R H J B W	ECN 47083
ADDED: P/N 142-0694-004			
***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * *****			
5c	8-14-02	R H J B W	8-29-02 ECN 48516



CABLE STRIP DIMENSIONS



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-18 GHZ
 VSWR: 1.05+.008F MAX (F IN GHZ)
 WORKING VOLTAGE: 500 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
 OUTER CONDUCTOR - INITIAL 0.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 BODY TO CABLE - 0.5 MILLIOHM MAX
 CORONA LEVEL: 375 VOLTS MIN AT 70,000 FEET
 INSERTION LOSS: .03√F (F IN GHZ) AT 10 GHZ
 RF LEAKAGE: -90 DB MIN AT 2 TO 3 GHZ
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 1000 VRMS AT 5 TO 7.5 MHZ

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
 MATING TORQUE: 3-5 INCH POUNDS
 COUPLING PROOF TORQUE: 8 INCH-POUNDS MIN
 COUPLING NUT RETENTION: 60 LBS MIN
 CONTACT RETENTION: NOT APPLICABLE
 CABLE ACCEPTABILITY: RG 402 DIA .141 SEMIRIGID
 CABLE HEX CRIMP SIZE: NOT APPLICABLE
 CABLE RETENTION: 60 LBS MIN AXIAL FORCE
 55 INCH-OUNCE MIN TORQUE
 DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B,
 EXCEPT 115° C HIGH TEMP
 OPERATING TEMPERATURE: -65 DEG C TO 165 DEG 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

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
 PER ANSII 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY EJ	DATE 2-16-87	JOHNSON <small>Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Watson, MN 55093 1.800.247.8256</small>
DECIMALS	mm	CHECKED BY	DATE	
.XX				TITLE PLUG ASSEMBLY, STRAIGHT CABLED SMA, RG 402
.XXX		APPROVED BY TAK	DATE 11-22-88	
MATL		APPROVED BY RJB	DATE 11-28-88	CODE NO.
FINISH		RELEASE DATE	12-1-88	DRAWING NO. C - 142-0694-001/010
SCALE 10:1				SHEET 2 OF 2