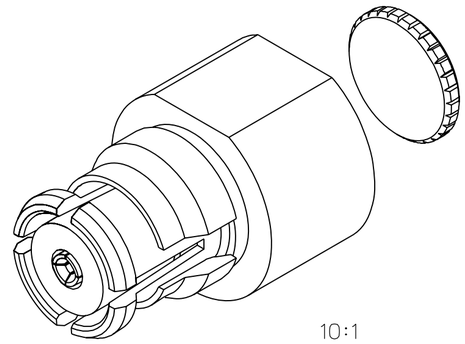
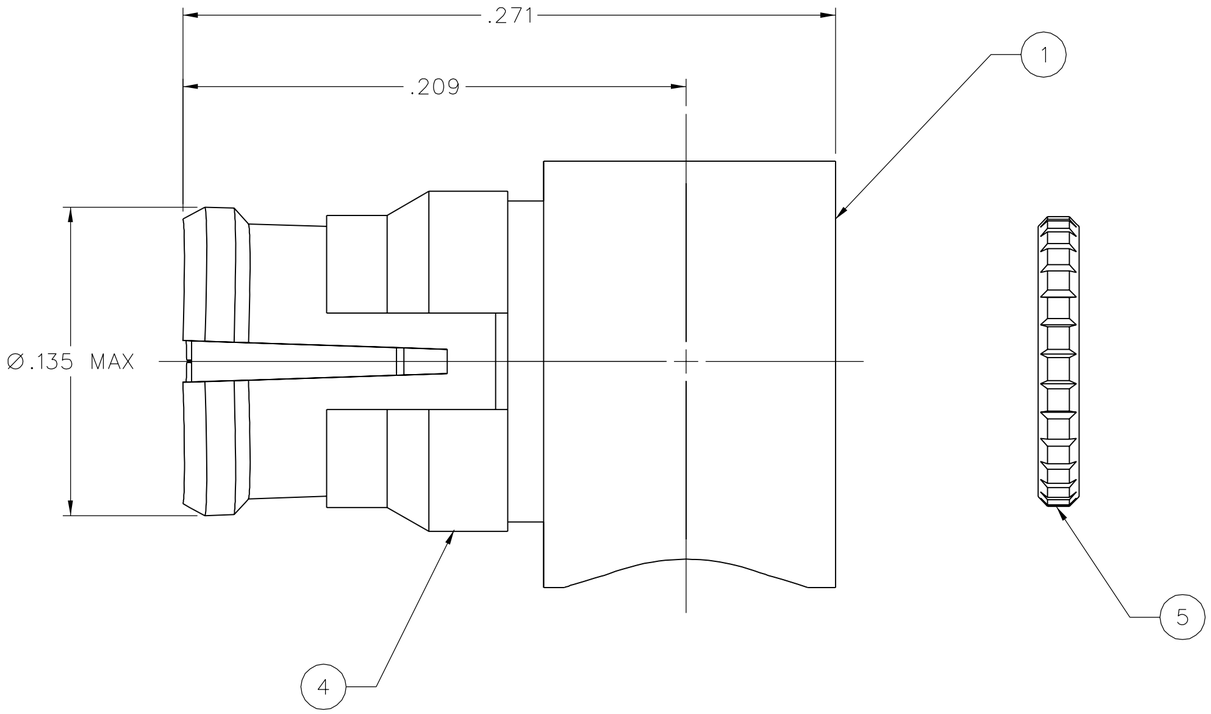
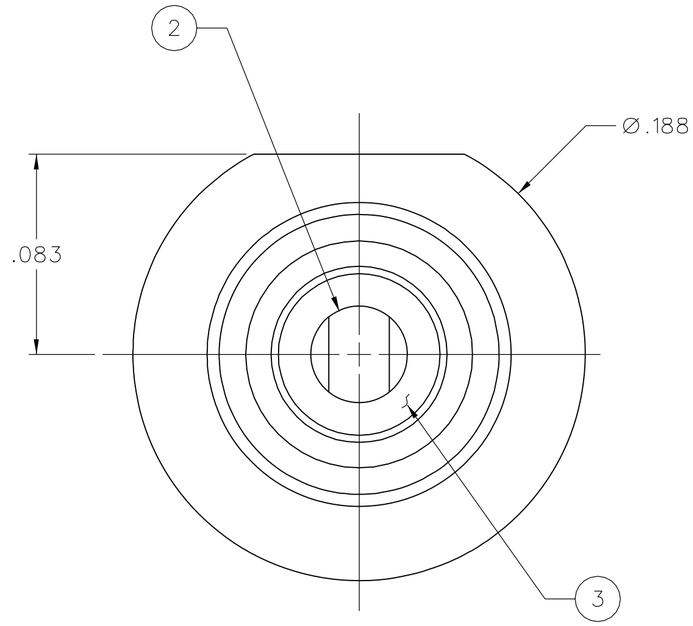
PART NUMBER	ITEM (1) BODY	ITEM (2) CONTACT	ITEM (3) INSULATOR	ITEM (4) ANTI-ROCK RING	ITEM (5) END CAP
127-0693-101	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER GOLD PL .00003 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



10:1





NOTES:

1. SPECIFICATIONS:

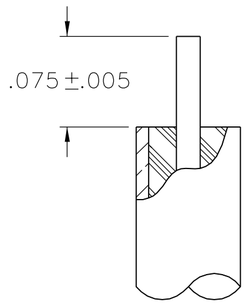
IMPEDENCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-18 GHz
VSWR: 1.20 MAX (0-18 GHz)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
CABLE SHIELD TO CONNECTOR BODY - INITIAL 0.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
INSERTION LOSS: $0.12\sqrt{F}$ (GHz) dB MAX, TESTED AT 10 GHz
CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
RF LEAKAGE: -80 dB TYPICAL, TESTED AT 2.5 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 325 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

INTERFACE DESIGN: IN ACCORDANCE WITH MIL-STD-348A, SERIES SMP
ENGAGEMENT FORCE: 15.0 LBS MAX (FULL DETENT)
DISENGAGEMENT FORCE: 5.0 LBS MIN (FULL DETENT)
CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: MIL-C-17/133, RG 405/U
CABLE RETENTION: 30 LBS MIN AXIAL FORCE
16 IN-OUNCE MIN TORQUE
DURABILITY: 100 CYCLES MIN (FULL DETENT)

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF DSCC DWG NO. 94007)
OPERATING TEMPERATURE: -65° C TO 165° C
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 125° C HIGH TEMP
MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, EXCEPT STEP 7B OMITTED



CABLE STRIP DIMENSIONS
10:1

DRAWING NO.
C-127-0693-101/110

0	REVISIONS						
ENGINEERING RELEASE							
1	7-27-07	PAT	JRK	PDW	JCN		7-30-07 ECN 51145
VERSION UPDATE							
1a	12-13-07	PAT	JRK	MJU	RB		12-21-07 ECN 51330

* REVISION NUMBER FOLLOWED BY AN ALPHA *
* CHARACTER INDICATES DRAWING CLARIFI- *
* CATION OR PART NUMBER ADDITION ONLY. *

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	PAT	3-26-07
.XX ———	———	CHECKED BY	DATE
.XXX±.005	———	JRK	7-30-07
MATL ———		APPROVED BY	DATE
		PDW	7-30-07
FINISH ———		RELEASE DATE	7-30-07
		U/M INCH	SCALE 20:1

cinch CONNECTIVITY SOLUTIONS a bel group

Cinch Connectivity Solutions
P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

TITLE
SMP FEMALE,
RIGHT ANGLE CABLED
RG-405 (.086) SEMI-RIGID

SHEET 2 OF 2

DRAWING NO.
C-127-0693-101/110

Please read our datasheet & drawing disclaimer here.