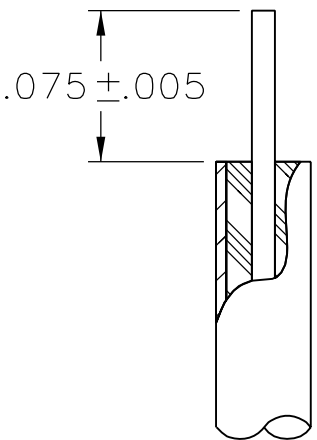
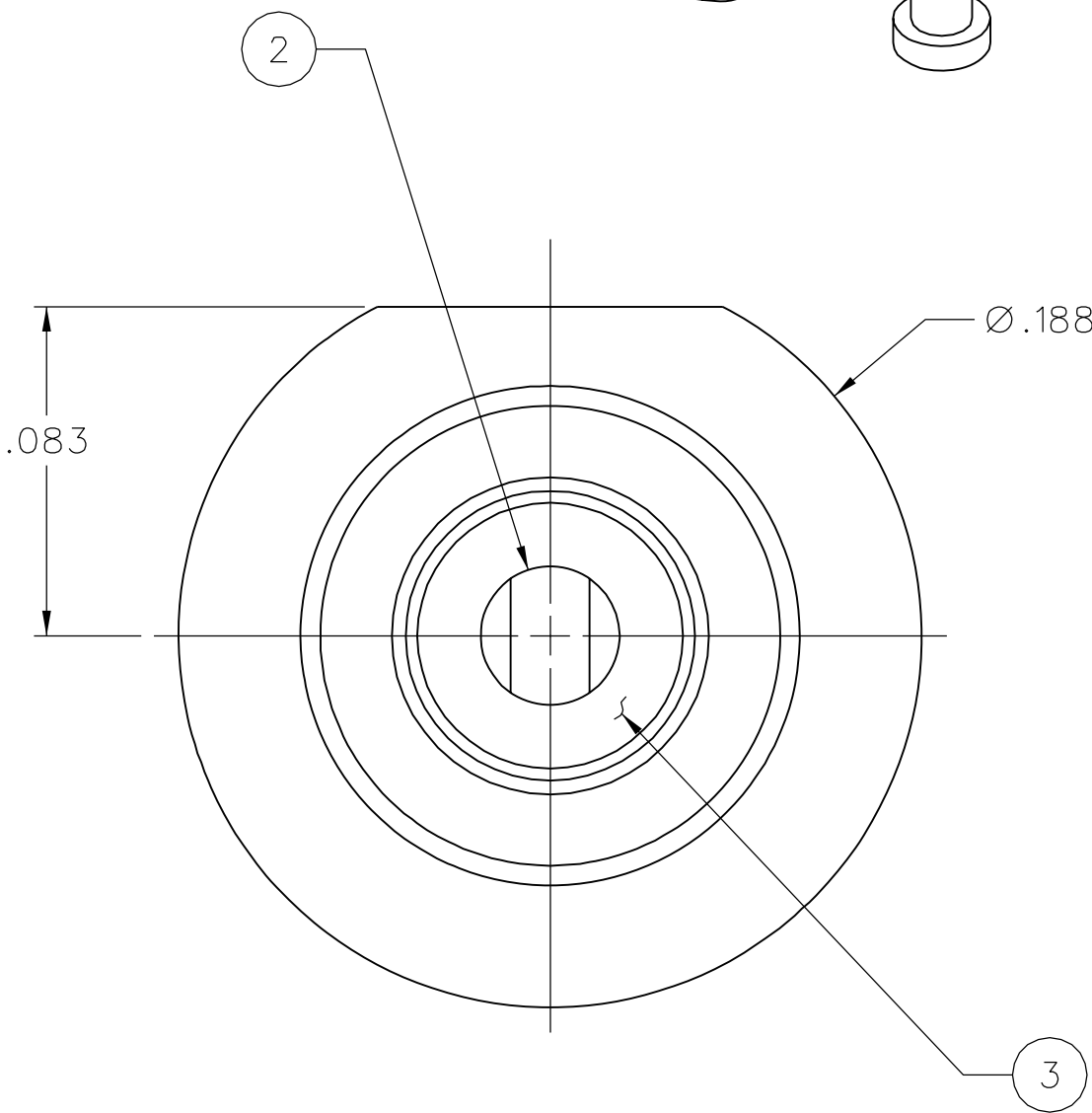
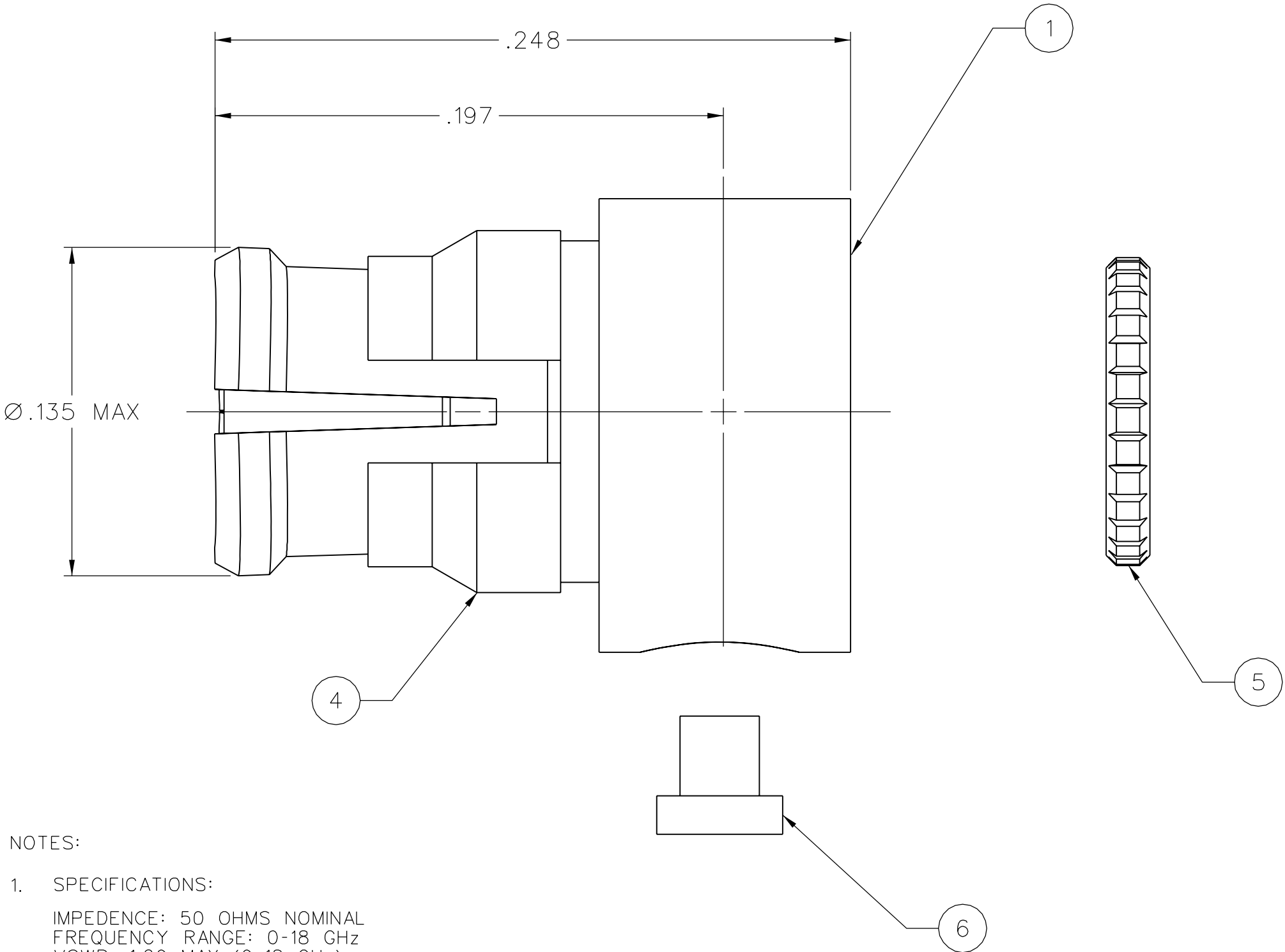
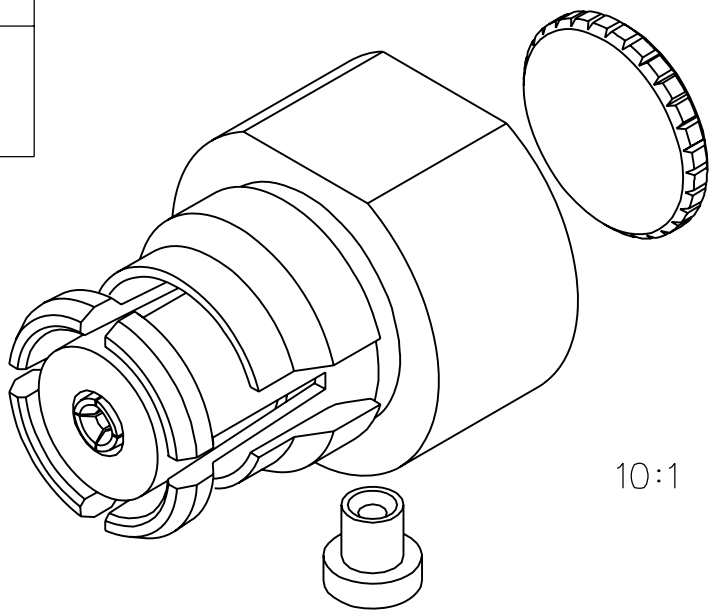


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ ANTI-ROCK RING	ITEM ⑤ END CAP	ITEM ⑥ CABLE STOP
127-0692-101	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	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	TORLON



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-17/151
CABLE RETENTION: 20 LBS MIN AXIAL FORCE
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 100°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 - 127-0692-101/110

0 REVISIONS

ENGINEERING RELEASE

1	8-13-07	P A T	J R K	P D W	J C N	8-16-07 ECN 51144
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VERSION UPDATE

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

1a	12-13-07	P A T	J R K	M J U	R B	12-21-07 ECN 51329
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CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY PAT	DATE 3-22-07	 Cinch CONNECTIVITY SOLUTIONS a bel group	Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS .XX	mm	CHECKED BY JRK	DATE 8-16-07		TITLE SMP FEMALE, RIGHT ANGLE CABLED, M17/151 (.047) SEMI-RIGID	
.XXX ±.005		APPROVED BY PDW	DATE 8-16-07			
MATL		RELEASE DATE	8-16-07			
FINISH		U/M	INCH	SCALE	20:1	SHEET 2 OF 2
					DRAWING NO. C - 127-0692-101/110	