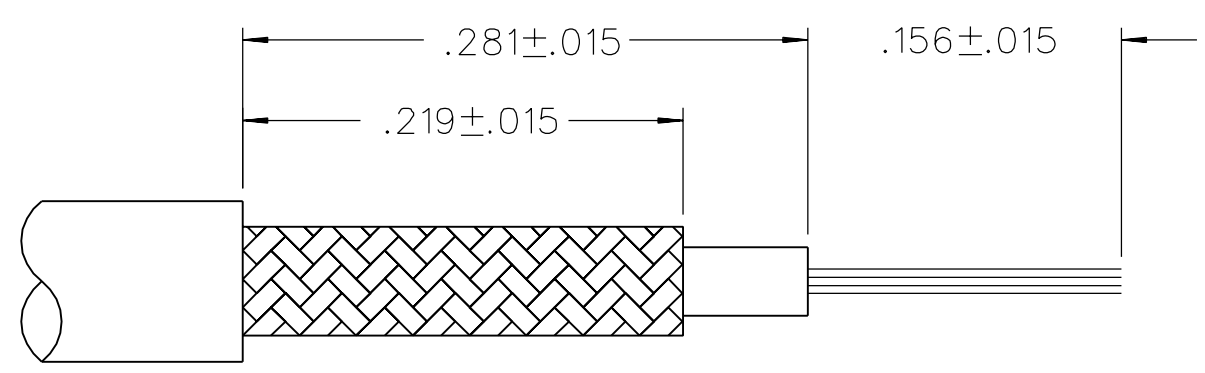
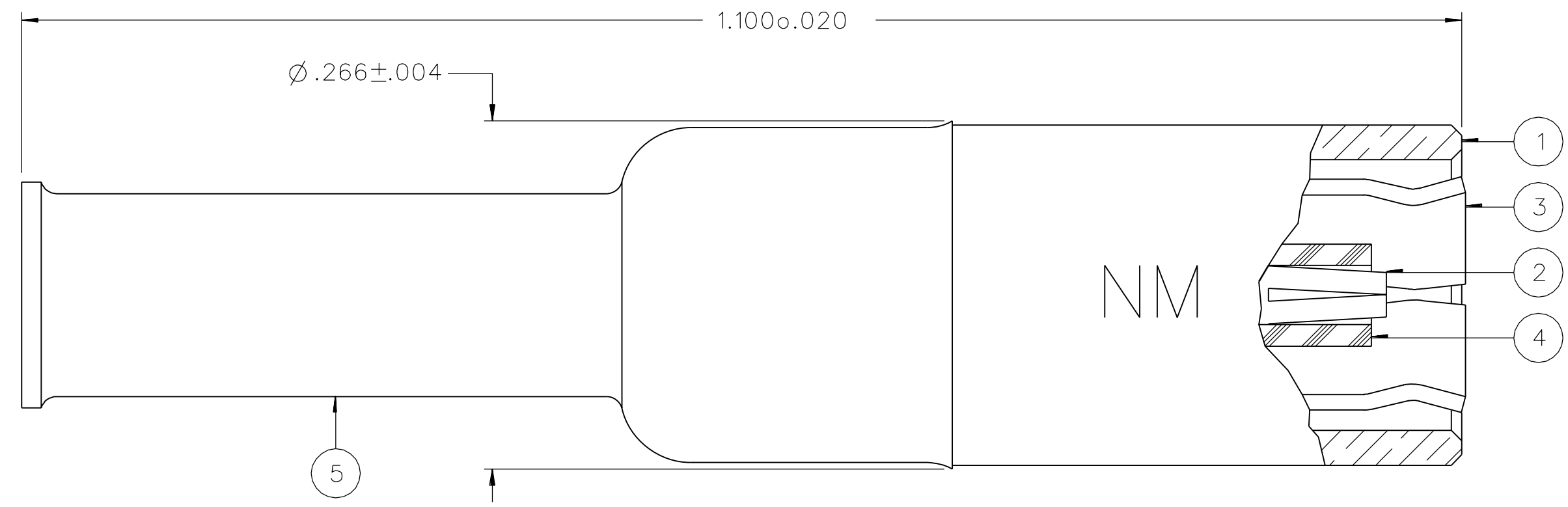


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INTERFACE	ITEM ④ INSULATOR	ITEM ⑤ CRIMP SLEEVE
131-9403-001	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN
131-9403-004	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN

DRAWING NO. C - 131-9403-001/010	
0	REVISIONS
ENGINEERING RELEASE	
1	7-8-03 R H T R J B ECN 48872
COPPER ALLOY WAS COPPER VERSION UPDATE	
2	10-16-06 P J T A S K 1-9-07 ECN 50750



CABLE STRIP DIMENSIONS

NOTES:

- SPECIFICATIONS:
 - IMPEDANCE: 50 OHMS
 - FREQUENCY RANGE: 0-4 GHZ
 - VSWR: 1.25+.04 F (F IN GHZ) (50 OHM CABLE ONLY)
 - WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
 - DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
 - INSULATION RESISTANCE: 1000 MEGOHM MIN
 - CONTACT RESISTANCE:
 - CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX
 - OUTER CONDUCTOR - INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX
 - BRAID TO BODY - INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 - CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
 - INSERTION LOSS: .30 DB MAX AT 1.5 GHZ (50 OHM CABLE ONLY)
 - RF LEAKAGE: -55 DB MIN AT 2.5 GHZ (50 OHM CABLE ONLY)
 - RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 700 VRMS MIN AT 4 AND 7 MHZ
- MECHANICAL:
 - ENGAGE/DISENGAGE FORCE: INITIAL 14 LBS MAX, AFTER DURABILITY 14 LBS MAX ENGAGEMENT/2 LBS MIN DISENGAGEMENT
 - MATING TORQUE: NOT APPLICABLE
 - COUPLING PROOF TORQUE: NOT APPLICABLE
 - COUPLING NUT RETENTION: NOT APPLICABLE
 - CONTACT RETENTION: 4 LBS MIN AXIAL FORCE
 - CABLE ACCEPTABILITY: RG 188/U, RG 316/U, RG 179/U, RG 174/U, RG 161/U, RG 187/U
 - CABLE HEX CRIMP SIZE: .128
 - CONTACT CRIMP TOOL: P/N 141-0000-911
 - CABLE RETENTION: 20 LBS MIN OR CABLE BREAKING STRENGTH
 - DURABILITY: 500 CYCLES MIN
- ENVIRONMENTAL:
 - (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
 - THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
 - OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
 - CORROSION: MIL-STD-202, METHOD 101, CONDITION B
 - SHOCK: MIL-STD-202, METHOD 213, CONDITION B
 - VIBRATION: MIL-STD-202, METHOD 204, CONDITION B

2. CONNECTOR MARKED "NM" FOR NON-MAGNETIC.


CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY RSH	DATE 2-18-03
DECIMALS	mm	CHECKED BY TAK	DATE 7-8-03
.XX	_____	APPROVED BY RJB	DATE 7-8-03
.XXX	_____	RELEASE DATE	7-8-03
MATL	_____	U/M	INCH
FINISH	_____	SCALE	10:1

	Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
	PLUG ASSEMBLY, STRAIGHT CABLED, NON-MAGNETIC SMB, RG 316	
SHEET 2 OF 2	DRAWING NO. C - 131-9403-001/010	