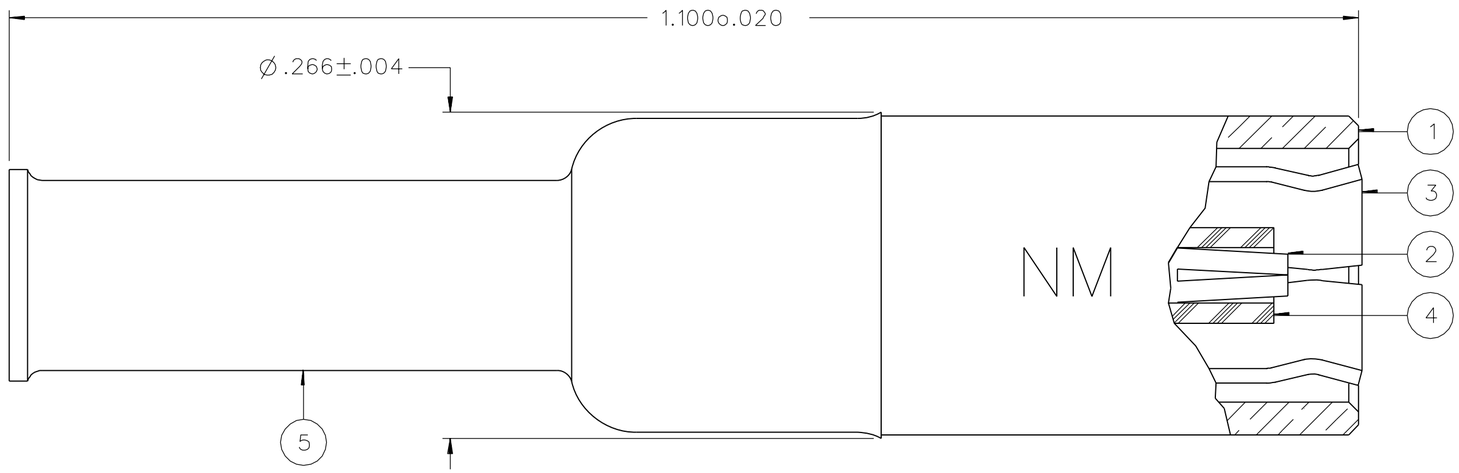
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INTERFACE	ITEM ④ INSULATOR	ITEM ⑤ CRIMP SLEEVE
131-9403-001	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER 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	RH	TAK	RJB			ECN 48872
COPPER ALLOY WAS COPPER VERSION UPDATE							
2	10-16-06	PAT	JDS	TAK			1-9-07 ECN 50750



NOTES:

1. 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

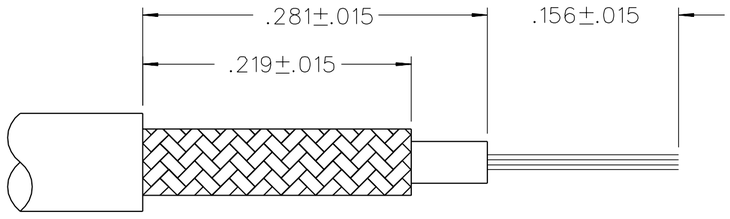
MECHANICAL:

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.



CABLE STRIP DIMENSIONS

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	EMERSON Network Power	Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256
DECIMALS .XX	mm	CHECKED BY TAK	DATE 7-8-03	TITLE PLUG ASSEMBLY, STRAIGHT CABLED, NON-MAGNETIC SMB, RG 316	
.XXX		APPROVED BY RJB	DATE 7-8-03		
MATL		RELEASE DATE 7-8-03		SHEET 2 OF 2	DRAWING NO. C - 131-9403-001/010
FINISH		U/M INCH	SCALE 10:1		