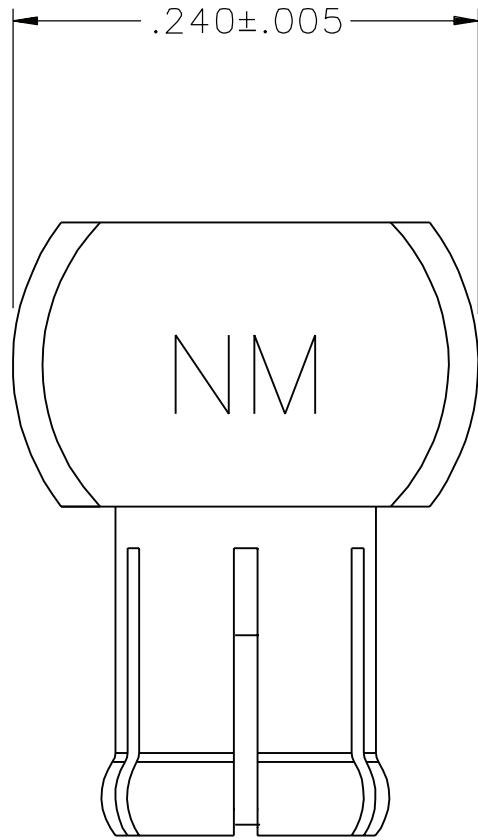
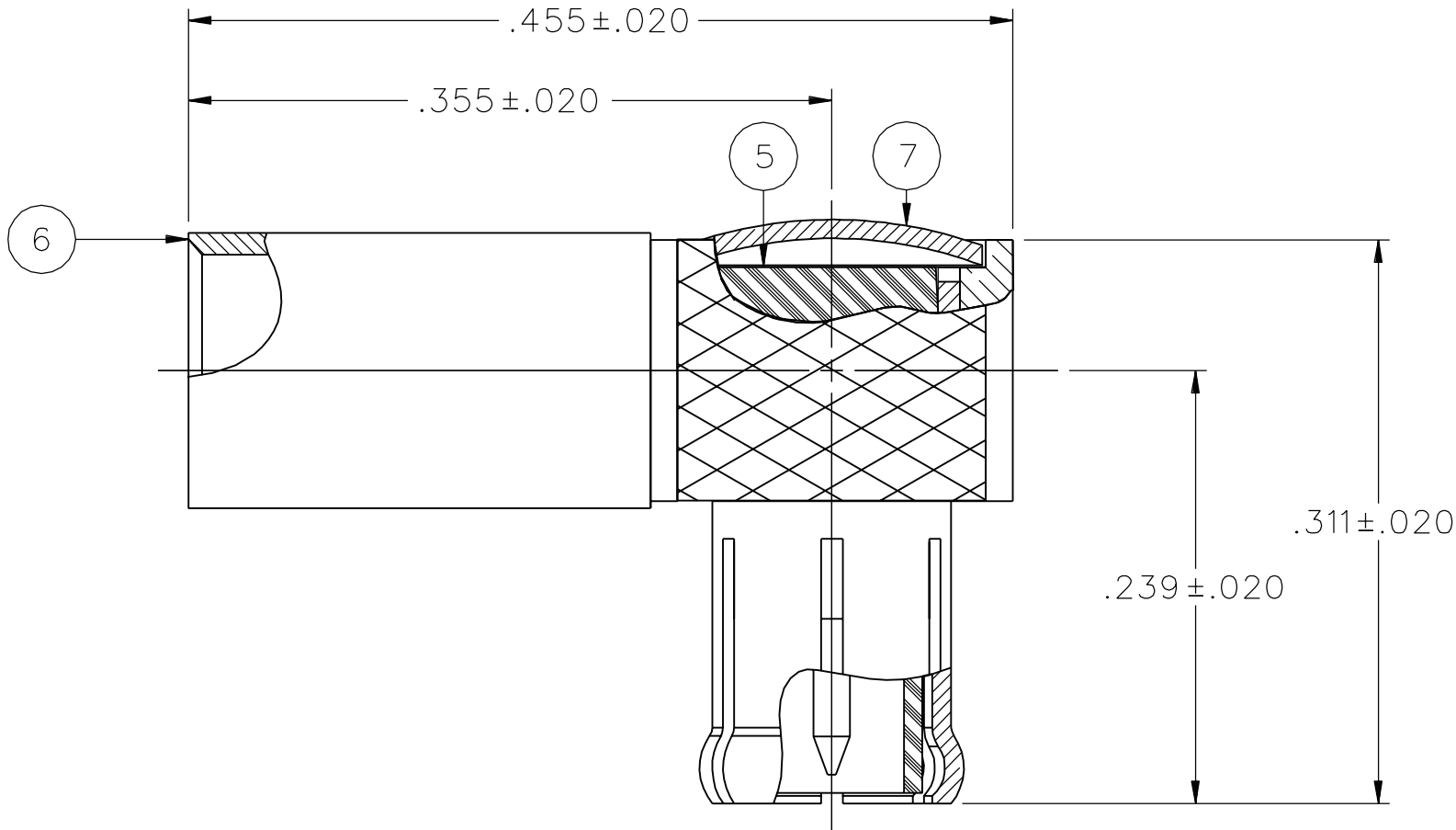


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INTERFACE	ITEM ④ INSULATOR	ITEM ⑤ INSULATOR	ITEM ⑥ CRIMP SLEEVE	ITEM ⑦ END CAP
133-9403-101	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	TEFLON	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY GOLD PL .00005 MIN OVER COPPER PL .00005 MIN
133-9403-104	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	TEFLON	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER ALLOY SILVER PL .00005 MIN OVER COPPER PL .00005 MIN



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-6 GHz  
VSWR: 1.07+.04F MAX (F IN GHz)  
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 10000 MEGOHM MIN  
CONTACT RESISTANCE:  
CENTER CONTACT - INITIAL 5 MILLIOHM MAX, AFTER ENVIRONMENTAL 15 MILLIOHM MAX  
OUTER CONDUCTOR - INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX  
BODY TO CABLE - INITIAL 1MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
CORONA LEVEL: 250 VOLTS MINIMUM AT 70,000 FEET  
INSERTION LOSS: .2 DB MAX AT 1GHz  
RF LEAKAGE: -55 DB AT 2.5 GHz  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 700 VRMS AT 4 AND 7 MHZ

MECHANICAL:

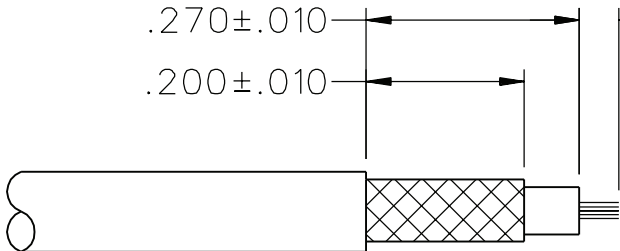
ENGAGE/DISENGAGE FORCE: 5.6 LBS MAX ENGAGEMENT  
1.0/8.0 LBS MIN/MAX DISENGAGEMENT  
CONTACT RETENTION FORCE: 2.3 LBS MIN AXIAL FORCE  
CONTACT RETENTION TORQUE: NOT APPLICABLE  
COUPLING MECHANISM RETENTION: NOT APPLICABLE  
CABLE ACCEPTABILITY: RG 188/U, RG 316/U, RG 161/U, RG 174/U  
CABLE HEX CRIMP SIZE: .128  
CABLE RETENTION: 20 LBS MIN AXIAL FORCE  
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)  
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION F  
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  
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

2. CONNECTOR MARKED "NM" FOR NON-MAGNETIC

.270±.010  
.200±.010



CABLE STRIP DIMENSIONS

4:1

DRAWING NO.  
C - 133-9403-101/110

0 REVISIONS

ENGINEERING RELEASE

1 7-21-03 R H T R J B ECN 48906

COPPER ALLOY WAS COPPER  
COPPER ALLOY WAS BRASS  
VERSION UPDATE

2 1-12-07 P J T A J B ECN 50902

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

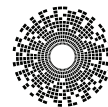
2a 1-22-09 P A R M R J C 1-27-09 ECN 51749

CUSTOMER DRAWING

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

"μ STATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY <b>RSH</b>		DATE 3-5-03		 <b>cinch</b> CONNECTIVITY SOLUTIONS a bel group	Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS .XX		CHECKED BY TAK		DATE 7-29-03				
.XXX		APPROVED BY RJB		DATE 7-29-03				
MATL		RELEASE DATE 7-29-03		TITLE PLUG ASSEMBLY RIGHT ANGLE CABLED, RG 316 NON-MAGNETIC MCX				
FINISH		U/M INCH		SCALE 10:1		SHEET 2 OF 2	DRAWING NO. C - 133-9403-101/110	

TITLE  
PLUG ASSEMBLY  
RIGHT ANGLE CABLED, RG 316  
NON-MAGNETIC MCX

# Mouser Electronics

Authorized Distributor

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[133-9403-104](#)