

PART NUMBER		ITEM ① BODY	ITEM ② SPRING	ITEM ③	
108-1001-001		BRASS NICKEL PL .0001 MIN	BERYLLIUM COPPER NICKEL PL .0001 MIN	HANDLE	COLOR
108-1002-001				NYLON	WHITE
108-1003-001					RED
108-1004-001					BLACK
108-1005-001					GREEN
108-1006-001					
108-1007-001					ORANGE
108-1008-001					YELLOW
108-1009-001					BROWN
108-1010-001					
108-1011-001					BLUE
108-1012-001					
108-1013-001					VIOLET
108-1014-001					GRAY
108-1015-001					
108-1016-001					
108-1017-001					
108-1018-001					
108-1019-001					
108-1020-001					

NOTES:

SPECIFICATIONS:

ELECTRICAL:

CURRENT RATING: 10 AMPS DC MINIMUM
DIELECTRIC WITHSTANDING VOLTAGE: 3500 VRMS MINIMUM AT SEA LEVEL
RECOMMENDED WORKING VOLTAGE: 1750 VRMS MAXIMUM AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM
CONTACT RESISTANCE: 10 MILLIOHMS MAXIMUM

MECHANICAL:

INSERTION/WITHDRAWAL FORCE: .5 - 5.0 POUNDS
CONTACT SPRING RETENTION FORCE: 20 POUNDS MINIMUM
WIRE ACCEPTABILITY: 18 AWG OR SMALLER
WIRE ATTACHMENT: SOLDER
MATING BANANA JACK DIAMETER: .104 NOMINAL
DURABILITY: 1000 CYCLES MINIMUM

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-28901)
OPERATING TEMPERATURE: -55 DEG C TO 85 DEG C.
TEMPERATURE RISE AT RATED CURRENT: 10 DEG C MAXIMUM
CORROSION: MIL-STD-1344, METHOD 1001, CONDITION B
SHOCK: MIL-STD-1344, METHOD 2004, CONDITION G
VIBRATION: MIL-STD-1344, METHOD 2005, CONDITION I
HUMIDITY: MIL-STD-1344, METHOD 1002, CONDITION B

Technical drawing of a Mini Banana Plug assembly. The drawing shows a side view of the plug with various dimensions. Key dimensions include: overall length .440 ±.010, distance from handle to body .485 ±.020, distance from handle to body .188 ±.010, distance from handle to body .137 ±.010, distance from handle to body .290 ±.015, distance from handle to body .110 ±.005, distance from handle to body .052 ±.003, distance from handle to body .190 ±.010, and distance from handle to body 2X .120 ±.005/-0.010. The drawing also shows a cross-section of the plug with a central hole and a surrounding ring. Callouts 1, 2, and 3 point to different parts of the assembly.

DRAWING NO.
B-108-1001/1020-001

0 | REVISIONS

UPDATE GRAPHICS

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

8b | 10-31-06 | P A T | R J B | M J U | J C N | 12-4-06
ECN 50777

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY PAT	DATE 11-27-06
DECIMALS	mm	CHECKED BY RJB	DATE 11-28-06
.XX	_____	APPROVED BY JCN	DATE 11-28-06
.XXX	_____	RELEASE DATE 12-4-06 (10-30-91)	
MATL _____		U/M INCH	SCALE 4:1
FINISH _____			

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

TITLE
ASSEMBLY, MINI BANANA PLUG,
INSULATED HANDLE, ROUND BODY,
SOLDER BACK HOLE

SHEET
2 OF 2

DRAWING NO.
B-108-1001/1020-001