

ITEM ①		ITEM ②		ITEM ③	
PART NUMBER	HANDLE	COLOR	BODY	CONTACT SPRING	
108-0301-001	NYLON	WHITE	BRASS NICKEL PL .0001 MIN	NICKEL SILVER NICKEL PL .0001 MIN	
108-0302-001		RED			
108-0303-001		BLACK			
108-0304-001		GREEN			
108-0305-001					
108-0306-001		ORANGE			
108-0307-001		YELLOW			
108-0308-001		BROWN			
108-0309-001					
108-0310-001		BLUE			
108-0311-001					
108-0312-001		VIOLET			
108-0313-001		GRAY			
108-0314-001					
108-0315-001					
108-0316-001					
108-0317-001					
108-0318-001					
108-0319-001					
108-0320-001					

NOTES:

1. SPECIFICATIONS:

ELECTRICAL:

CURRENT RATING: 15 AMPS DC MINIMUM
DIELECTRIC WITHSTANDING VOLTAGE: 3500 VRMS MIN AT SEA LEVEL
RECOMMENDED WORKING VOLTAGE: 1750 VRMS MAX AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHMS MIN
CONTACT RESISTANCE: 10 MILLIOHMS MAXIMUM

MECHANICAL:

INSERTION/WITHDRAWL FORCE: 1.0 - 12.0 POUNDS
CONTACT SPRING RETENTION FORCE: 15 LBS MINIMUM
WIRE ACCEPTABILITY: 16 AWG OR SMALLER
WIRE ATTACHMENT: SOLDER OR SOLDERLESS, SCREW DOWN HANDLE
MATING BANANA JACK DIAMETER: .166 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 banana plug assembly. Dimensions include: Ø .161 ± .010, Ø .375 ± .010, Ø .156 ± .003, .875 ± .010, .078 ± .015, .531 ± .015, and 2X .175 ± .010. Callouts 1, 2, and 3 point to specific features of the assembly.

DRAWING NO.
B- 108-0301/0320-001

0 REVISIONS

ENGINEERING RELEASE

12a9-10-94RHSWCTAKRJBPAH9-23-94ECN 42647

CHANGED: 15 LBS RETENTION FORCE WAS 25 LBS

12b10-22-96RHJRJBABECN 44343

CHANGED: DIA .161+- .010 WAS DIA .161+- .005

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

12c11-4-99RHJRJBECN 46830

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY SWC	DATE 4-4-94	Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256
DECIMALS	mm	CHECKED BY TAK	DATE 9-19-94	
.XX		APPROVED BY RJB	DATE 9-20-94	
.XXX		RELEASE DATE 9-23-94		
MATL		U/M INCH SCALE 2:1		
FINISH				SHEET 2 OF 2

TITLE
ASSEMBLY, BANANA PLUG
INSULATED HANDLE, ROUND BODY,
SOLDER OR SOLDERLESS BACKHOLE

DRAWING NO.
B- 108-0301/0320-001