

Banana Plug - Insulated Hex Body Solder Stud



INCHES (MILLIMETERS)
CUSTOMER DRAWINGS AVAILABLE UPON REQUEST

SPECIFICATIONS

Plug Body: Brass per QQ-B-626D

Plug Spring: Nickel silver per QQ-C-585

Finish: Nickel

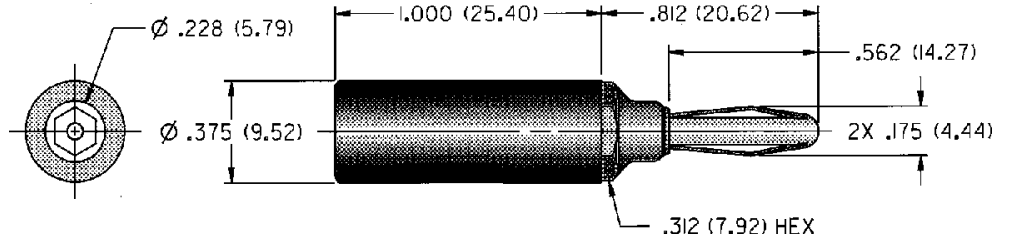
Insulated Handle: Nylon 6/6 per ASTM D4066

RATINGS

Current: 15 amps

Breakdown Voltage: 3500 Vrms minimum

Contact Resistance: 0.010 ohms maximum



NICKEL PLATING

108-1762-101 Red

For Standard Banana Jack: .166 (4.23) Diameter

FEATURES:

- Wire can be soldered to threaded stud or flared and held by stud for solderless connection
- Solder stud accepts up to 16 gauge wire
- Nylon UL approved for self extinguishing

PART NUMBER	ITEM ① HANDLE	COLOR	ITEM ② BODY	ITEM ③ SPRING	ITEM ④ STUD
108-1761-101	NYLON	WHITE	BRASS NICKEL PL .0001 MIN	NICKEL SILVER NICKEL PL .0001 MIN	BRASS BRIGHT TIN PL .0001 MIN OVER NICKEL PL .00005 MIN
108-1762-101		RED			
108-1763-101		BLACK			
108-1764-101		GREEN			
108-1765-101					
108-1766-101		ORANGE			
108-1767-101		YELLOW			
108-1768-101		BROWN			
108-1769-101					
108-1770-101		BLUE			
108-1771-101					
108-1772-101		VIOLET			
108-1773-101		GRAY			
108-1774-101					
108-1775-101					
108-1776-101					
108-1777-101					
108-1778-101					
108-1779-101					
108-1780-101					

DRAWING NO. B - 108-1761/1780-101	
0	REVISIONS
***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * *****	
14a	9-13-94 R S T R H W A J C K B ECN 42639
DIA .220±.010 WAS DIA .228±.005	
14b	2-29-08 P C R M J C 3-5-08 A S J J J 3-5-08 T M B U N ECN 51393
1.000±.020 WAS 1.000±.010, DIA .288 +.010 -.015 WAS DIA .220±.010 ***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * *****	
14c	6-3-08 P R M T J C 6-10-08 A J B J J C N ECN 51531

NOTES:

1. SPECIFICATIONS:

ELECTRICAL:

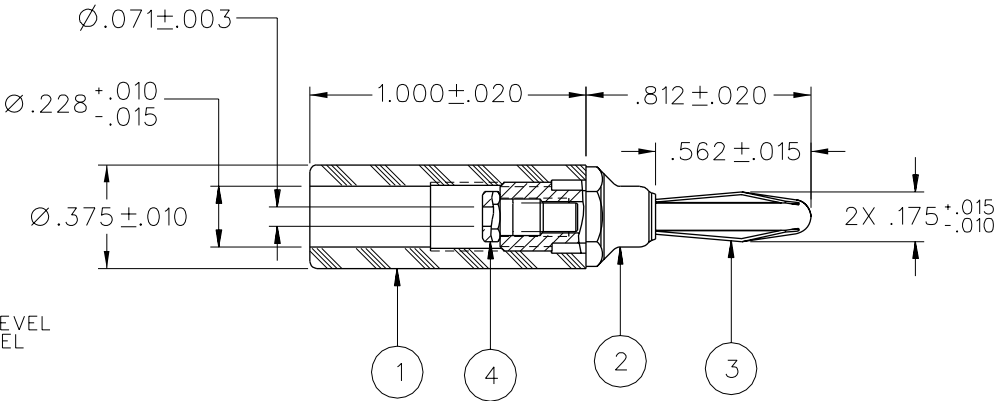
CURRENT RATING: 15 AMPS DC MINIMUM
DIELECTRIC WITHSTANDING VOLTAGE: 3500 VRMS MIN AT SEA LEVEL
RECOMMENDED WORKING VOLTAGE: 1750 VRMS MAX AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHMS MIN
CONTACT RESISTANCE: 10 MILLIOHMS MAXIMUM

MECHANICAL:

INSERTION/WITHDRAWAL FORCE: 1.0 - 12.0 POUNDS
CONTACT SPRING RETENTION FORCE: 15 LBS MINIMUM
WIRE ACCEPTABILITY: 16 AWG OR SMALLER
WIRE ATTACHMENT: SOLDER OR FLARE AND CLAMP USING THREADED STUD
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



CUSTOMER DRAWING

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

"μ STATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY SWC	DATE 3-31-94	 cinch CONNECTIVITY SOLUTIONS a bel group	Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS	mm	CHECKED BY TAK	DATE 9-19-94		TITLE ASSEMBLY, BANANA PLUG INSULATED HANDLE, HEX BODY SOLDER OR SOLDERLESS STUD	
.XX	_____	APPROVED BY RJB	DATE 9-20-94			
.XXX	_____	RELEASE DATE	9-20-94			
MATL _____		U/M	INCH	SCALE	2:1	SHEET 2 OF 2
FINISH _____		DRAWING NO. B - 108-1761/1780-101				