

	ITEM ①		ITEM ②	ITEM ③
PART NUMBER	BODY	COLOR	CONTACT	MOUNTING NUT
108-0901-001	NYLON	WHITE	BRASS TIN PL .0001 MIN OVER NICKEL PL .00005 MIN	BRASS NICKEL PL .0001 MIN
108-0902-001		RED		
108-0903-001		BLACK		
108-0904-001		GREEN		
108-0905-001				
108-0906-001		ORANGE		
108-0907-001		YELLOW		
108-0908-001		BROWN		
108-0909-001				
108-0910-001		BLUE		
108-0911-001				
108-0912-001		VIOLET		
108-0913-001		GRAY		
108-0914-001				
108-0915-001				
108-0916-001				
108-0917-001				
108-0918-001				
108-0919-001				
108-0920-001				

Technical drawing of a banana jack assembly. The side view shows a mounting nut (1) with a hexagonal base and a threaded section. Dimensions include a total length of .183 ± .020, a hex base diameter of Ø .094 ± .010, and a maximum panel thickness of .281. The front view shows the assembly with a central contact (2) and a mounting nut (1). Dimensions include a total length of .750 ± .041, a contact diameter of Ø .166 ± .003, and a mounting nut diameter of Ø .438 ± .010. The mounting hole options view shows two circular holes with a diameter of Ø .328 ± .005 and a center-to-center distance of .250 ± .005. A detail view of the mounting nut shows a hexagonal base with a diameter of .234 ± .010 and a central hole with a diameter of .025 ± .010. The assembly is labeled with callouts 1, 2, and 3.

NOTES:

SPECIFICATIONS:

ELECTRICAL:

CURRENT RATING: 15 AMPS DC MAXIMUM
DIELECTRIC WITHSTANDING VOLTAGE: 7000 VRMS MINIMUM AT SEA LEVEL
RECOMMENDED WORKING VOLTAGE: 3500 VRMS MAXIMUM AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM
CONTACT RESISTANCE: 10 MILLIOHMS MAXIMUM
CAPACITANCE: 2.4 pF NOMINAL

MECHANICAL:

CONTACT RETENTION IN INSULATOR FORCE: 30 LBS MINIMUM
CONTACT RETENTION IN INSULATOR TORQUE: 2 IN OZ MINIMUM
INSULATOR RETENTION IN .062 PANEL FORCE: NOT APPLICABLE
INSULATOR RETENTION IN .062 PANEL TORQUE: NOT APPLICABLE
PLASTIC MOUNTING THREAD STRIPPING TORQUE: 6 IN LB MINIMUM
WIRE ACCEPTABILITY: 12 AWG OR SMALLER
WIRE ATTACHMENT: SOLDER
MATING BANANA PLUG SPRING WIDTH: .175 NOMINAL
DURABILITY: 1000 CYCLES MINIMUM

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39024)
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

DRAWING NO.
B - 108-0901/0920-001

0 REVISIONS

REVISED AND REDRAWN. DRAWING WAS "C" SIZE 108-0901/0920-001/020 DATED 3-30-88. SPLIT INTO 6 SEPERATE DWGS. CREATED SHEET 2.

26a 1-9-03 R H R J B 10-1-03 ECN 48696

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	RJB	12-27-02
.XX		CHECKED BY	DATE
.XXX			
MATL		APPROVED BY	DATE
		RJB	10-1-03
FINISH		RELEASE DATE	10-1-03
		U/M	INCH
		SCALE	2:1

TITLE	
ASSEMBLY, BANANA JACK, INSULATED THREADED PANEL MOUNT, SOLDER TERMINAL	
SHEET	DRAWING NO.
2 OF 2	B - 108-0901/0920-001