

This figure is a technical drawing of a DC Power Jack, specifically a 20A large current卧式插件 (Horizontal Plug-in). The drawing includes various views: Top View, Section A-A, Mating Plug, and 3D View.

**Top View:** Shows dimensions such as 9.40±0.05, 6.85±0.05, 9.15±0.05, 12.50±0.05, 3.50±0.05(CH), 8.92±0.05, 15.55±0.05, 3.40±0.05, 3.60±0.05, 4-1.20±0.05, and 1.80±0.05. It also indicates a PICK UP point and a PRODUCT EDGE.

**Section A-A:** Shows internal details with dimensions like 7.60±0.05, 8.30±0.05, 2.50±0.05, 4-1.70±0.05, 4-0.60±0.05, 9.15±0.05, 0.30±0.05, 14.65±0.05, 3.40±0.05, 3.60±0.05, 2.10±0.05, 2.30±0.05, and 1#.

**Mating Plug:** Shows dimensions like 21.70±0.05±0.20, 2.20±0.05, 1.50±0.05±0.20, 2.60±0.05±0.20, 2.50±0.05, and 1.80±0.05.

**3D View:** Shows the overall shape and dimensions of the component.

**SPECIFICATION:**

- RATING: DC 30V 20A
- CONTACT RESISTANCE:  
30mΩ MAX(INITIAL).  
50mΩ MAX(FINAL).
- INSULATION RESISTANCE: 100 MΩ MIN.
- WITHSTAND VOLTAGE: 500 VAC
- INSERTION FORCE: 30N MAX.
- EXTRACTION FORCE: 3N MIN.
- DURABILITY: 5,000 CYCLES

**Model Definition:**

- Model Number: MX1195
- Needle Diameter: 2.5mm
- Fixing Method: Without Fixed Column
- Interface Method: Conventional Flared Opening
- Overall Length: 15.55 mm
- Pin Position: 5 Pin
- Mounting Method: Horizontal (DIP)
- Product Series: DC Power Jacks

**RECOMMENDED PCB LAYOUT**

TOP VIEW TOLERANCE: ±0.05

**GENERAL TOLERANCE**

| Tolerance | Dimension |
|-----------|-----------|
| ≥0~2<     | ±0.15     |
| ≥2~5<     | ±0.25     |
| ≥0~2<     | ±0.15     |
| ≥5        | ±0.35     |

**FIRST VIEW**

SCALE: 1:1 UNIT: mm

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**TITLE::**

20A大电流 卧式插件

DWG NO: 9CW5125-A1195

PART NO: 9CW5-55251195

MODEL NO: 9CW5125BEGB

NAME: DC JACK

**SAMZO COMPONENTS**

Electronic switch and connector manufacturer

**Table 1: Material Properties**

| C   | SHELL       | C5210    | Ni 40u" MIN.             | QTY |
|-----|-------------|----------|--------------------------|-----|
| B   | CENTER PIN  | BRASS    | GOLD FLASH /Ni 40u" MIN. | 1   |
| A   | HOUSING     | PA10T    | BLACK                    | 1   |
| NO. | DESCRIPTION | MATERIAL | REMARKS                  | QTY |

**Table 2: Revision History**

| REV | ECN NO | DESCRIPTION   | DESIGN | APPROVAL | DATE       |
|-----|--------|---------------|--------|----------|------------|
| A1  | NEW    | Replace frame |        |          | 2020.06.12 |