

Technical drawing of a DC Jack connector, showing various views (Top, Side, Section A-A, 3D) and dimensions. The drawing includes a RoHS declaration, a specification table, a material table, and a title block.

RoHS Declaration:

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

Dimensions (mm):

- Overall Length: 15.85 mm
- Pin Position: 5 Pin
- Mounting Method: Sunken DIP
- Product Series: High-Current Power Jacks

SECTION A-A:

- Needle Diameter: 1.65 mm
- Fixing Method: Without Fixed Column
- Interface Method: Flat Opening

Model Definition:

- Model Number: MX0961
- Needle Diameter: 1.65 mm
- Fixing Method: Without Fixed Column
- Interface Method: Flat Opening
- Overall Length: 15.85 mm
- Pin Position: 5 Pin
- Mounting Method: Sunken DIP
- Product Series: High-Current Power Jacks

Top View Tolerance: ±0.05

Recommended PCB Layout (t=1.00)

3D View:

Specification:

- RATING: DC 20V 5A
- CONTACT RESISTANCE: 30mΩ MAX.
- INSULATION RESISTANCE: 100 MΩ MIN.
- WITHSTAND VOLTAGE: 500 VAC
- INSERTION FORCE: 2.0Kgf MAX. (INITIAL)
2.0Kgf MAX. (FINAL)
- EXTRACTION FORCE: 1Kgf~3.0Kgf (INITIAL)
0.7Kgf~3.0Kgf (FINAL)
- DURABILITY: 10,000 CYCLES

Material Table:

NO.	DESCRIPTION	MATERIAL	REMARKS	QTY
C	CENTER PIN	Hb159	GOLD FLASH/Ni 50u"	1
B	SHELL	C5210	Ni 50u"	1
A	HOUSING	PA10T	BLACK	1

First View:

General Tolerance:

DESIGN	WANGUITA	2018.06.12	≥0~2<	±0.15
CHECKED	ZHENGUILAN	2018.06.12	≥2~5<	±0.25
APPROVED	LILIANJIANG	2018.06.14	≥0~2<	±0.15
			≥5	±0.35

Samzo Components
Electronic switch and connector manufacturer

Title:
大电流 沉板4.88插件

DWG NO: 9CN5110-P0961

PART NO: 9CN5-40170961

MODEL NO: 9CN5110BEED

NAME: DC JACK