

AUPINS Server Hashrate AI

PCB Power Supply High Current Charging Terminal Pin

The AUPINS Server Hashrate AI PCB Power Supply High Current Charging Terminal Pin is a high-precision electrical connector metal part designed for electric connect power supply applications. It is widely used in electrical connections, PCB Power supply in the industry of Information Technology. Engineered for durability and efficient conductivity, it ensures stable electrical transmission between the power source and the Printed Circuit Board Assembly control module. The power range could reach 120A, 300A,1000A.



Parameter

AUPINS Server Hashrate AI PCB Power Supply High Current Charging Terminal Pin	
Category	Specification
Product Name	AUPINS Server Hashrate AI PCB Power Supply High Current Charging Terminal Pin
Connector Type	Male Pin / Female Pin
Mounting Method	PCB Soldering / Through-hole / Custom
Application Standard	GB/T 20234.2-2015
Electrical Performance	
Rated Voltage	Up to 250V AC (application-dependent)
Rated Current	60A / 120A / 1000A (varies by pin spec)
Contact Resistance	≤ 0.5 mΩ
Insulation Resistance	≥ 1000 MΩ
Withstanding Voltage	≥ 2000V AC (1 min)
Insertion & Extraction Life	≥ 10,000 cycles
Temperature Rise	≤ 50K at rated current
Mechanical Performance	
Contact Material	Copper alloy, silver-plated
Plating	Silver Plated
Fixing Type	PCB fixed / screw locking / snap-fit optional
Insertion Force	45–80 N
Extraction Force	40–70 N
Environmental & Safety	
Operating Temperature	-40°C to +125°C
Vibration Resistance	High – designed for automotive and industrial vibration conditions
Impact Resistance	Excellent – designed for repeated mechanical operation
Protection Rating	N/A (Depends on housing and integration)
Certifications	CE, TUV,GB/T compliant