

Global AI Server Blind-Mate Connector Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global AI Server Blind-Mate Connector market size is expected to reach \$ 3114 million by 2032, rising at a market growth of 23.7% CAGR during the forecast period (2026-2032).

In 2025, global AI Server Blind-Mate Connector production reached approximately 16.19 million units, with an average global market price of around USD 42 per unit.

The gross profit margin of major companies in the industry is between 27.46%-49.72%.

In 2025, the global production capacity of AI Server Blind-Mate Connector was approximately 21.30 million units.

AI Server Blind-Mate Connector is a high-reliability connector used in AI servers, GPU trays, power shelves and high-density computing racks to enable automatic mating without direct visual alignment. It supports high-current power, high-speed signals, liquid cooling interfaces or hybrid connections depending on system architecture. The product improves serviceability, rack integration, hot-swap operation and tolerance compensation in dense server environments. The market includes blind-mate power, signal and hybrid connectors for AI server systems, but excludes ordinary board-to-board connectors, consumer connectors and complete server chassis.

The industry chain includes copper alloys, plating materials, engineering plastics, contact springs, insulation materials, guide pins, housings, sealing parts, precision molds and connector testing equipment. Midstream production covers stamping, plating, injection molding, contact assembly, alignment mechanism design, insertion force testing, electrical testing, durability testing and packaging. Downstream demand comes

from AI servers, GPU trays, high-density racks, cloud data centers, power shelves and modular server platforms. Growth is driven by AI server expansion, modular rack design, serviceability requirements, higher current density and liquid-cooled hardware integration.

This report studies the global AI Server Blind-Mate Connector production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for AI Server Blind-Mate Connector and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of AI Server Blind-Mate Connector that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AI Server Blind-Mate Connector total production and demand, 2021-2032, (K Units)

Global AI Server Blind-Mate Connector total production value, 2021-2032, (USD Million)

Global AI Server Blind-Mate Connector production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global AI Server Blind-Mate Connector consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: AI Server Blind-Mate Connector domestic production, consumption, key domestic manufacturers and share

Global AI Server Blind-Mate Connector production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global AI Server Blind-Mate Connector production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global AI Server Blind-Mate Connector production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global AI Server Blind-Mate Connector market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Amphenol Industrial Operations, St?ubli International AG, Parker Hannifin Corporation, CPC, CEJN AB, Danfoss Power Solutions, The Specialty Mfg. Co., AVIC Jonhon Optron Technology Co., Ltd., Envicool Technology Co., Ltd., Suzhou General Connectivity Technology Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World AI Server Blind-Mate Connector market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global AI Server Blind-Mate Connector Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global AI Server Blind-Mate Connector Market, Segmentation by Type:

Power Blind-Mate Connectors

Signal Blind-Mate Connectors

Hybrid Power-Signal Blind-Mate Connectors

Global AI Server Blind-Mate Connector Market, Segmentation by Mounting Type:

Board-to-Board Blind-Mate Connectors

Cable-to-Board Blind-Mate Connectors

Rack-to-Server Blind-Mate Connectors

Global AI Server Blind-Mate Connector Market, Segmentation by Rated Current:

Low Current??30 A?

Medium Current?31?100 A?

High Current??100 A?

Global AI Server Blind-Mate Connector Market, Segmentation by Application:

AI GPU Servers

High-Density Server Chassis

Rack-Scale Computing Systems

Other

Companies Profiled:

Amphenol Industrial Operations

St?ubli International AG

Parker Hannifin Corporation

CPC

CEJN AB

Danfoss Power Solutions

The Specialty Mfg. Co.

AVIC Jonhon Optron Technology Co., Ltd.

Envicool Technology Co., Ltd.

Suzhou General Connectivity Technology Co., Ltd.

ZJK Industrial Co., Ltd.

Key Questions Answered:

1. How big is the global AI Server Blind-Mate Connector market?
2. What is the demand of the global AI Server Blind-Mate Connector market?
3. What is the year over year growth of the global AI Server Blind-Mate Connector market?
4. What is the production and production value of the global AI Server Blind-Mate Connector market?
5. Who are the key producers in the global AI Server Blind-Mate Connector market?
6. What are the growth factors driving the market demand?

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