

Global Connector Market Size Study, by Product (PCB Connectors, I/O Connectors, Circular Connectors, Fiber Optic Connectors, RF Coaxial Connectors, Rectangular Connectors, Solar Connectors, Patchcord), by End User (Consumer Electronics, Telecom, Automotive, Energy and Power, Aerospace and Defense, Others), by Material (Copper, Aluminum, Stainless Steel, Plastic, Others), and Regional Forecasts 2022-2032

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Abstracts

Global Connector Market is valued at approximately USD 86.10 billion in 2023 and is projected to grow with a healthy growth rate of more than 7.9% over the forecast period 2024-2032. Connectors are essential electromechanical elements that act as crucial intermediaries within electronic and electrical systems. Their primary function is to establish a secure and dependable connection between different devices, enabling the transmission of signals, power, or data. Connectors are available in a diverse array of types and configurations, each tailored to specific applications. They are distinguished by their pin arrangements, contact materials, and housing designs, all of which enable them to effectively bridge connections in various electronic and electrical circuits.

The global connector market is anticipated to witness significant growth during the forecast period. Factors such as rapid urbanization, along with growth in demand for consumer electronic devices, and high usage of automation technology across various sectors including industrial, defense, and automotive, are driving the growth of the market. The automotive segment, in particular, is fueled by the adoption of advanced safety features, the increase in the number of electronic components in vehicles, and

the rise in the number of autonomous vehicles globally. However, volatility in the prices of raw materials such as copper is a major restraint to the global connector industry. Conversely, the surge in demand from the telecom and automotive sectors, owing to emerging 5G and IoT technologies, is expected to create opportunities for the market.

In the field of consumer electronics, connectors are integral to the design and assembly of devices such as smartphones, laptops, RCA cable connectors for televisions, and gaming consoles. They facilitate the interconnection of various internal components, including microprocessors, memory modules, displays, and cameras. This ensures the seamless operation of consumer electronics, guaranteeing they deliver the desired performance and functionality to end-users. Miniature connectors have gained prominence in this industry as the demand for smaller, more portable electronic devices continues to grow. They allow for compact and lightweight designs without compromising on connectivity or performance.

The key regions considered for the global Connector Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia-Pacific garnered the largest share due to the swift industrialization, notably in nations such as China and India, which has increased the requirement for electronic devices and infrastructure, amplifying the necessity for connectors. Furthermore, this region serves as a crucial point for the production and assembly of diverse sectors such as automotive, telecommunications, and consumer electronics, all of which are heavily dependent on connectors. Supportive governmental policies, investments in technological progress, and a growth in the consumer population bolster Asia-Pacific's leading position in the market. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by rapid expansion of 5G and IoT technologies, increasing demand for high-speed data transmission, robust automotive and aerospace industries, and growing adoption of advanced electronic devices.

Major market players included in this report are:

Nexans

Ametek, Inc.

Koch Industries, Inc. (MOLEX)

Luxshare Precision Industry Co., Ltd.

ABB Ltd.

TE Connectivity

Prysmian S.p.A.

3M

Amphenol Corporation

Aptiv PLC

Hirose Electric Co., Ltd.

Japan Aviation Electronics Industry, Ltd.

Huawei Technologies Co. Ltd.

Foxconn Interconnect Technology Limited (FIT)

J.S.T. Mfg. Co., Ltd.

The detailed segments and sub-segment of the market are explained below:

By Product:

PCB Connectors

I/O Connectors

Circular Connectors

Fiber Optic Connectors

RF Coaxial Connectors

Rectangular Connectors

Solar Connectors

Patchcord

By End User:

Consumer Electronics

Telecom

Automotive

Energy and Power

Aerospace and Defense

Others

By Material:

Copper

Aluminum

Stainless Steel

Plastic

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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