

North America High Speed Connector Market Forecast to 2031 - Regional Analysis - by Product (Board-to-Cable, Board-to-Board, and Others) and Application (Communication, Automotive, Aerospace & Defense, Energy & Power, Electronics, and Others)

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Abstracts

The North America high speed connector market was valued at US\$ 1,635.91 million in 2023 and is expected to reach US\$ 3,096.9 million by 2031; it is estimated to register at a CAGR of 8.3% from 2023 to 2031.

Higher Speed Networking Technologies and Miniaturization Fuels North America High Speed Connector Market

High-speed connectors are a crucial component in various industries, enabling efficient and reliable data transmission between devices. Continuous advancements in these connectors help manufacturers keep pace with the ever-increasing demand for faster data transfer speeds and enhanced performance. Connectors are being designed to handle higher data rates, supporting advancements such as 5G. In addition, the miniaturization trend creates a scope for further improvements in high-speed connectors. As electronic devices become smaller and lighter, there is a growing demand for compact connectors. This is achieved using innovative materials such as aluminum alloy that allow for smaller footprints while maintaining performance. The growing number of interconnected devices often necessitates smaller form factors.

High-speed connector manufacturers are constantly innovating to create miniaturized connectors that offer high data rates while maintaining design flexibility for diverse applications. In June 2023, Hirose released a multi-RF board-to-board connector that provides a size reduction of up to 71% compared to conventional designs. With the

industry's smallest width of only 2.2 mm, the BM56 Series supports multiple RF and digital signals with a single connector. High-speed connectors enabling faster, more reliable, and versatile data transmission are continuously in demand in applications ranging from consumer electronics to automotive & aerospace industries. Thus, technological advancements to support trends such as high-speed networking technologies and miniaturization are likely to bring new high-speed connector market trends in the coming years.

North America High Speed Connector Market Overview

North America is experiencing significant growth in the global high-speed connector market. The rising networking and communication sector favors the North American high-speed connector market growth. These connectors are increasingly being utilized in the networking and communication sector to offer enhanced connectivity, reliability, and high-speed data transfer. Rising investments in the developments of various sectors, including telecommunications, automotive, and consumer electronics, along with the increasing adoption of IoT devices propel the demand for high-speed connectors. In 2023, the broadband industry in the US invested US\$ 102.4 billion in US communications infrastructure in 2023, showing broadband providers' determination to achieve the national objective of high-speed, affordable, and reliable connectivity. Moreover, investments in the communications sector rose by 19% year-on-year in 2023. High-speed connectors play a vital role in the communications industry, enabling the transmission of large volumes of data at high speeds. They are essential components in various applications, including telecommunications infrastructure and data centers.

North America High Speed Connector Market Revenue and Forecast to 2031 (US\$ Million)

North America High Speed Connector Market Segmentation

The North America high speed connector market is segmented based on product, application, and country.

Based on product, the North America high speed connector market high speed connector market is segmented into board-to-cable, board-to-board, and others. The board-to-board segment held the largest share in 2023.

In terms of application, the North America high speed connector market high speed connector market is segmented into communication, automotive, aerospace & defense,

energy & power, electronics, and others. The aerospace & defense segment held the largest share in 2023.

Based on country, the North America high speed connector market high speed connector market is categorized into the US, Canada, and Mexico. The US dominated the North America high speed connector market in 2023.

Samtech Inc; Molex LLC; TE Connectivity Ltd; Hirose Electric Co Ltd; Yamaichi Electronics Co., Ltd; Neoconix Inc; Fujitsu Ltd; OMRON Corp; IMS Connector Systems GmbH; OUPIN ENTERPRISE CO., LTD; and Amphenol Corp are some of the leading companies operating in the North America high speed connector market.

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