

South & Central 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 South & Central America high speed connector market was valued at US\$ 227.68 million in 2023 and is expected to reach US\$ 360.75 million by 2031; it is estimated to register at a CAGR of 5.9% from 2023 to 2031.

Increasing Demand for Electronics and Infotainment Systems in the Automotive Sector Fuels South & Central America High Speed Connector Market

Modern infotainment systems equipped with features such as high-resolution displays, navigation, internet connectivity, and advanced audio systems require a high data transfer rate to function precisely. High-speed connectors are specifically designed to transmit data at faster speeds, ensuring a seamless user experience and optimal system performance. The automotive sector is constantly innovating by integrating more and more electronic features into vehicles. These features include advanced driver-assistance systems (ADAS), autonomous driving features, and telematics, all of which rely on high-speed data communication between various components. High-speed connectors aid in reliable and efficient data transfer between sensors, cameras, control units, and other electronic systems.

Several companies are investing in the development of infotainment systems enabled by new technologies. In June 2023, Nvidia Corp and MediaTek Inc announced their

plan to team up for the development of a technology to power advanced vehicle infotainment systems that would be capable of streaming video or games or using artificial intelligence to interact with drivers. In January 2023, Garmin demonstrated its latest in-cabin solutions for the automotive original equipment manufacturer (OEM) at CES 2023, emphasizing on technologies that integrate multiple domains, touchscreens, and wireless devices on a single system-on-chip (SoC). The demonstrated solutions featured four infotainment touchscreens, an instrument cluster, wireless headphones, a cabin monitoring system, smartphones, wireless gaming controllers, and several entertainment options, all powered by a single Garmin multidomain computing module. Therefore, the increasing complexity and data demands of modern automotive electronics and infotainment systems necessitate the use of high-speed connectors, which enable faster data transfer, seamless feature integration, and weight reduction. Thus, the increasing demand for electronic and infotainment systems in automobiles propels the high-speed connector market growth.

South & Central America High Speed Connector Market Overview

The high-speed connectors market in South America (SAM) is segmented into Brazil, Argentina, and the Rest of SAM. The preference for mini-sized, water-repellent, and fast connectors is increasing in this region, which benefits the market. The trend of miniaturization is transforming the electronics design and structure modifying space utilization patterns. The electronics devices are getting smaller with miniaturized components, which propels the demand for miniaturized high-speed connectors. Market players in SAM countries are developing new miniaturized connectors to address the need for military, medical, instrumentation, and industrial applications for higher data transmission. The increasing demand for microelectronics from consumers is expected to drive the trend of miniaturized connectors during the forecasted period across the region. High-speed connectors are evolving with new materials and designs to offer enhanced features such as flexibility and waterproof operations.

The automotive sector in SAM is also surging distinctively. Several foreign companies are investing in this sector. For instance, in November 2023, Nissan, a Japanese carmaker, announced its plan to invest US\$ 575.22 million in its Resende plant in Brazil during 2023–2025 to produce 2 new SUV models. Such developments and investments in the automotive sector would trigger the demand for electric and infotainment systems. Thus, improvements in connector designs, creating a new trend of flexible and waterproof high-speed connectors, along with the flourishing automotive industry bolster the high-speed connector market in SAM.

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

South & Central America High Speed Connector Market Segmentation

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

Based on product, the South & Central America 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 South & Central America 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 South & Central America high speed connector market is categorized into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America high speed connector market in 2023.

Samtech Inc, Molex LLC, TE Connectivity Ltd, Fujitsu Ltd, OMRON Corp, IMS Connector Systems GmbH, and Amphenol Corp are some of the leading companies operating in the South & Central America high speed connector market.

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