

# Automotive FPC Market to Reach \$539.2 Million, Globally, by 2033 at 4.8% CAGR : Allied Market Research

WILMINGTON, NEW CASTLE, DE, UNITED STATES, January 29, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "[Automotive FPC Market](#) by Product Type (Double Sided FPC, Multilayer FPC and Single Sided FPC), and Application (Fuel Automotive and New Energy Automotive): Global Opportunity Analysis and Industry Forecast, 2024-2033". According to the report, the automotive fpc market was valued at \$344.0 million in 2023, and is estimated to reach \$539.2 million by 2033, growing at a CAGR of 4.8% from 2024 to 2033.

The global automotive Flexible Printed Circuit (FPC) market is experiencing substantial growth due to several pivotal factors driving its trajectory. The increasing focus on automotive electronics and infotainment systems is a major catalyst, as FPCs offer crucial advantages in terms of flexibility, weight reduction, and space efficiency. As vehicles become more advanced with the integration of sophisticated electronics, such as advanced driver-assistance systems (ADAS), electric powertrains, and in-car connectivity solutions, the demand for high-performance FPCs is escalating.

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Report ID: A323759

The automotive FPC market is expected to expand due to the rise in the number of electric vehicles. Opportunities exist in increasing complexity in automotive electronics. However, complex design structure and supply chain challenges restrain market growth.

Report Code: A323759

Report Title: Automotive FPC Market by Product Type (Double Sided FPC, Multilayer FPC and Single Sided FPC), and Application (Fuel Automotive and New Energy Automotive): Global Opportunity Analysis and Industry Forecast, 2024-2033

The multi-layer FPC segment is anticipated to experience faster growth in the automotive FPC market. The multi-layer Flexible Printed Circuit (FPC) segment is expected to see accelerated growth within the automotive FPC market due to its increasing application in complex automotive electronics. Multi-layer FPCs offer superior performance in terms of electrical

connectivity and signal integrity, which is essential for advanced automotive systems such as infotainment units, navigation systems, and complex driver assistance features. The growing sophistication of automotive electronics, coupled with the demand for compact, high-density, and reliable connections, makes multi-layer FPCs particularly valuable.

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The fuel automotive segment is anticipated to experience growth in the automotive FPC market. The fuel automotive segment is projected to experience notable growth within the automotive FPC market, driven by the rising integration of advanced electronic systems in fuel management and monitoring applications. As vehicles increasingly adopt sophisticated fuel systems, including direct injection, fuel cell technologies, and advanced sensor networks, the need for reliable and efficient flexible printed circuits (FPCs) becomes critical. FPCs offer significant advantages in these applications due to their flexibility, lightweight nature, and ability to handle complex circuitry in compact spaces. They are essential for enhancing the performance and accuracy of fuel management systems, improving fuel efficiency, and meeting stringent emission standards.

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Asia-Pacific is expected to maintain its dominance in the automotive FPC market by 2033 owing to several key factors. Asia-Pacific is expected to maintain its dominance in the automotive FPC market by 2033 due to several key factors driving this regional growth. The region's burgeoning automotive industry, characterized by both established automotive giants and rapidly growing electric vehicle manufacturers, is a primary driver. Countries like China, Japan, and South Korea are at the forefront of automotive innovation, investing heavily in advanced technologies and electronic systems that utilize FPCs. Additionally, the significant presence of leading electronics and semiconductor companies in Asia-Pacific enhances the region's capability to produce and integrate high-quality FPCs efficiently.

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- Nippon Mektron
- Tripod

- CMK Corporation
- Chin Poon Industrial
- AT&S
- TTM
- Wus Printed Circuit
- KCE Electronics
- Meiko Electronics

The report provides a detailed analysis of these key players in the global automotive FPC market. These players have adopted different strategies such as new product launches, collaborations, expansion, joint

ventures, agreements, and others to increase their market share and maintain dominant shares in different regions. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

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The growing focus on reducing vehicle weight and improving fuel efficiency is another major factor contributing to the expansion of the automotive FPC market. As manufacturers seek to enhance the overall performance of vehicles while meeting stringent emission regulations, FPCs have become a preferred solution due to their lightweight design and ability to handle complex circuitry in a compact space. This helps reduce the overall weight of automotive electronic systems, which is crucial for electric and hybrid vehicles where weight impacts battery efficiency and vehicle range. Traditional wiring solutions are being replaced by FPCs to streamline design and reduce the bulkiness of components, further driving the demand for these circuits.

In addition, the integration of advanced infotainment and connectivity solutions in modern vehicles has further fueled the market for FPCs. As cars become more connected with features like touchscreens, wireless charging, and vehicle-to-everything (V2X) communication, the need for flexible and reliable circuit systems becomes essential. The growing trend of in-car entertainment, along with the increasing use of sensors and cameras for ADAS, places greater emphasis on high-performance electronic components like FPCs. Moreover, the adoption of 5G

technology in vehicles is expected to provide new opportunities for the FPC market, as it enables faster data transfer and enhances connectivity, supporting the future of autonomous and smart vehicles.

Geographically, the Asia-Pacific region, particularly countries like China, Japan, and South Korea, dominates the automotive FPC market due to the presence of major automotive manufacturers and a robust electronics industry. The region's strong production capacity, coupled with government initiatives to promote electric mobility and smart transportation systems, has created a conducive environment for the growth of the FPC market. North America and Europe are also witnessing significant growth, driven by the increasing adoption of EVs and advanced automotive technologies, with key players in these regions focusing on R&D to enhance FPC applications in next-generation vehicles.

Challenges remain, such as the high initial cost of developing advanced FPCs and the need for specialized manufacturing processes. However, the long-term benefits of FPCs, including their potential to simplify vehicle assembly, reduce maintenance, and enhance overall vehicle performance, make them an attractive investment. Additionally, as the global automotive industry continues its rapid transformation towards electrification, smart technologies, and connected systems, the demand for FPCs is set to expand exponentially, cementing their role as a critical component in the future of automotive electronics.

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