

Global Automotive PCB Market Size study, By Vehicle Type (Passenger Car, Commercial Vehicle), By Type (Single or Double layer, Multi-layer, HDI, FPC, Others), By Application (ADAS, Body & comfort, Infotainment, Others) and Regional Forecasts 2022-2032

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Abstracts

Global Automotive PCB Market is valued at approximately USD 9.15 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 5.90% over the forecast period 2024-2032. Automotive PCB is a type of circuit board specifically designed for use in automotive electronic systems. These printed circuit boards are designed to resist the severe environment of a vehicle, including temperature variations, vibrations, and probable exposure to moisture and chemicals. Furthermore, the rising focus towards lightweight vehicle components is gaining attention towards the Global Automotive PCB Market. Lighter vehicles often exhibit improved performance in terms of acceleration, handling, and braking. Optimizing the weight of components such as PCBs can enhance the overall performance and driving experience of vehicles.

The Global Automotive PCB Market is driven by the growing number of hybrid electric vehicles and the rising integration of Advanced Driver Assistance Systems (ADAS) in vehicles across the world. Hybrid electric vehicles rely heavily on power electronics to efficiently manage energy flow between the internal combustion engine, electric motor, and battery pack. Automotive PCBs used in power electronics applications must withstand high voltages, currents, and temperature variations while maintaining reliability and safety. In addition, automotive PCBs are essential components in ADAS ECUs, providing the necessary circuitry for sensor interfacing, data processing, decision-making algorithms, and communication with other vehicle systems. However, the high cost of automotive PCB and lack of standardization within automotive industry is going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global Automotive PCB market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, Asia Pacific was the largest regional market in terms of revenue owing to factors such as an increase in the production of electric vehicles across the region. Governments in countries such as China, Japan, and South Korea are aggressively implementing policies and incentives to promote electric vehicle adoption. These efforts aim to reduce greenhouse gas emissions and decrease dependence on fossil fuels, resulting in a significant surge in electric vehicle production and sales in the region. Furthermore, the market in Asia Pacific, on the other hand, is expected to grow at the fastest rate over the forecast period.

Major market player included in this report are:

Chin Poon Industrial Co., Ltd
Meiko Electronics Co., Ltd
Nippon Mektron, Ltd
TTM Technologies, Inc
KCE Electronics Public Company Limited
Tripod Technology Corporation
Unimicron Technology Corporation
Kingboard Chemical Holdings Ltd.
Amitron Corporation
CMK Corporation

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

By Vehicle Type

Passenger Car

Commercial Vehicle

By Type

Single or Double layer

Multi-layer

HDI

FPC

Others

By Application

ADAS

Body & comfort
Infotainment
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

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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