Automotive PCB Market is estimated to be US$7.1 billion by 2022 with a CAGR of 6.9% over the forecast period (2022-2032)

Automotive PCBs are circuit boards used in automotive electronics, from engine controls, anti-lock brake systems, and GPS, to rearview cameras and front lights, safety is a top consideration for automotive PCB design and manufacturing. PCBs are mainly used to provide electrical connections and mechanical support to the electrical components of a circuit. They are prevalent in electronic devices and in most cases can be easily identified as green boards. Printed circuit boards are the boards used in most electronics - both as a physical support and as a wiring area for surface-mounted and socketed components. PCBs are usually made of fiberglass, composite epoxy, or other composite materials. While most PCBs for simple electronics are simple and consist of only one layer, more sophisticated hardware such as computer graphics cards or motherboards may have multiple layers, sometimes up to twelve. PCB designing is an evolving field with increasing advancements in technology, communication and computing, with many opportunities for skilled talent in terms of career opportunities required for the growth of professional PCB designers. The global printed circuit board supply shortage is causing widespread production delays in many industries, including automotive and electronics, with the automotive industry being the worst affected by the shortage. Several other potential innovations for PCB fabrication and manufacturing processes could be future trendsetters, the idea of using PCBs themselves as active components could bring a major breakthrough in the PCB field, as well as 3D printed electronics that allow 3D manufacturing circuit. Increasing sales of electric vehicles as well as adoption of in-vehicle driver assistance system technology is likely to increase the demand for the automotive PCB market over the forecast period, and reduction in PCB prices is likely to fuel the growth of the automotive PCB market years to come.

The report **"Automotive PCB Market, By Type (Double-Sided PCB, Multi-Layer PCB, and Single-Sided PCB), By Fuel Type (BEV, Hybrid, and ICE), By End User (Economic Light Duty Vehicles, Luxury Light Duty Vehicles, and Mid-Priced Light Duty Vehicles), By Application (ADAS and Basic Safety, Body, Comfort, and Vehicle Lighting, Infotainment Components, and Powertrain Components), By Level Of Autonomous Driving (Autonomous Vehicles, Conventional Vehicles, and Semi-Autonomous Vehicles), and By Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) - Trends, Analysis and Forecast till 2032"**

Key Highlights:

- In November 2022, IBE Electronics Co., Ltd. It has become a leading name in the global PCBA market and the company has recently established its position as a go-to step solutions provider adding to its long list of offerings. . The professional PCBA manufacturer has built a distinguished reputation in the research and development of laser range, new energy, medical equipment, automotive electronics, industrial control, consumer electronics and many others.
- In November 2022, Keysight Technologies, Inc., a leading technology company delivering advanced design and validation solutions to accelerate innovation to connect and secure the world, announced that Altium LLC has recently licensed Keysight's advanced electromagnetic simulation technology to produced power analysis solutions for Printed circuit boards designers.

Analyst View:

Automotive PCBs are most important in vehicles and other fields, automotive PCBs have led to significant advancements such as: Improved performance in terms of fuel efficiency. Reliable safety and security systems that reduce traffic accidents. You can find printed circuit board visibility in systems like airbags, radar monitoring, stereo cameras, and infrared monitoring. Without printed circuit boards, devices would not function. They are necessary to connect different components and communicate between them. Additionally, PCBs help protect these components from damage and interference. PCBs connect the components together, providing input and output connections for the user to connect to the device. As vehicle owners and drivers demand more accessories in vehicles, the need for PCBs is increasing. Automotive PCBs market innovation is increasing worldwide, with technological developments in automotive PCB products making them more efficient to use.

To know the upcoming trends and insights prevalent in this market, click the link below:

https://www.prophecymarketinsights.com/market_insight/Global-Automotive-PCB-Market-By-3927

Key Market Insights from the report:

Automotive PCB Market accounted for US$ 7.1 billion in 2022 and is estimated to be US$ 13.4 billion by 2032 and is anticipated to register a CAGR of 6.9%. The global automotive PCB market is segmented based on type, fuel type, end user, application, level of autonomous driving, and region.

- Based on type, the global automotive PCB market is segmented into the double-sided PCB, multi-layer PCB, and single-sided PCB.
- Based on the fuel type, the target market is segmented into BEV, hybrid, and ICE.
- Based on end user, the global market is classified into economic light duty vehicles, luxury light duty vehicles, and mid-priced light duty vehicles.
- Based on application, the target market is bifurcated into ADAS and basic safety, body, comfort, and vehicle lighting, infotainment components, and powertrain components.
- Based on level of autonomous driving, the target market tis characterized into autonomous vehicles, conventional vehicles, and semi-autonomous vehicles.
- By Region, the Automotive PCB Market is segmented into North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.

Competitive Landscape & their strategies of Automotive PCB Market:

The prominent players operating in the Automotive PCB Market includes, Nippon Mektron Ltd, Unimicron Technology Corp, Hannstar Board Cor, Zhen Ding Technology Holding Ltd, Ibiden Co Ltd, Tripod Technology Corp, Chin Poon, CMK Corp., KCE Electronics, and TTM Technology. The market provides detailed information regarding the industrial base, productivity, strengths, manufacturers, and recent trends which will help companies enlarge the businesses and promote financial growth. Furthermore, the report exhibits dynamic factors including segments, sub-segments, regional marketplaces, competition, dominant key players, and market forecasts. In addition, the market includes recent collaborations, mergers, acquisitions, and partnerships along with regulatory frameworks across different regions impacting the market trajectory. Recent technological advances and innovations influencing the global market are included in the report.