

Printed Circuit Board Market Report by Type (Single-Sided, Double-Sided, Multi-Layer, HDI), Substrate (Rigid, Flexible, Rigid-Flex), End Use Industry (Industrial Electronics, Healthcare, Aerospace and Defense, Automotive, IT and Telecom, Consumer Electronics, and Others), and Region 2024-2032

<https://marketpublishers.com/r/P06A93158414EN.html>

Date: April 2024

Pages: 138

Price: US\$ 3,899.00 (Single User License)

ID: P06A93158414EN

Abstracts

The global printed circuit board market size reached US\$ 70.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 97.6 Billion by 2032, exhibiting a growth rate (CAGR) of 3.4% during 2024-2032.

A printed circuit board (PCB) is an electrical circuit that mechanically supports and electrically connects electronic components using conductive pathways, tracks, or signal traces. It is composed of epoxy, fiberglass, and other composite materials that help minimize the complexity of the overall circuit design. It plays a pivotal role in improving the power, performance, reliability, and security of a computing system. As a result, PCB finds extensive applications in the healthcare, aerospace, electronics, defense, information technology (IT), and telecommunications industries around the world.

Printed Circuit Board Market Trends:

PCBs are used in head-up display (HUD), advanced driver assistance systems (ADAS) control modules and antilock brake systems of automobiles. This, coupled with the rapid expansion of the automotive sector, represents one of the key factors creating a positive outlook for the market. In addition, fuel regulators, power supplies, and engine management systems use PCB-based electronics to monitor and manage resources. They also help enhance the performance of light-emitting diodes (LEDs) and prevent

them from damage. Along with this, the growing integration of robotics, artificial intelligence (AI), and the internet of things (IoT) is augmenting the overall sales and profitability. Moreover, PCBs are utilized in the manufacturing of calculators, aerospace components, medical devices, remote control units, circuit boards, industrial machinery, business machines and computers, and communication, control, and home entertainment equipment. Apart from this, the increasing trend of miniaturization in the semiconductor industry is catalyzing the demand for PCBs across the globe. Furthermore, product innovations, technological advancements, and the rising requirement of eco-friendly PCBs on account of the increasing electronic waste worldwide are some of the other factors stimulating the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global printed circuit board market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, substrate and end use industry.

Breakup by Type:

- Single-Sided
- Double-Sided
- Multi-Layer
- HDI

Breakup by Substrate:

- Rigid
- Flexible
- Rigid-Flex

Breakup by End Use Industry:

- Industrial Electronics
- Healthcare
- Aerospace and Defense
- Automotive
- IT and Telecom
- Consumer Electronics
- Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Advanced Circuits Inc., AT & S Austria Technologie & Systemtechnik Aktiengesellschaft, Becker & M?ller Circuit Printing GmbH, Jabil Inc., Murrietta Circuits, Nippon Mektron Ltd. (NOK Corporation), Sumitomo Corporation, TTM Technologies Inc., Unimicron Technology Corporation (United Microelectronics Corporation), W?rth Elektronik GmbH & Co. KG (W?rth Group) and Zhen Ding Technology Holding Limited.

Key Questions Answered in This Report

1. What was the size of the global printed circuit board market in 2023?
2. What is the expected growth rate of the global printed circuit board market during 2024-2032?
3. What has been the impact of COVID-19 on the global printed circuit board market?
4. What are the key factors driving the global printed circuit board market?
5. What is the breakup of the global printed circuit board market based on the type?
6. What is the breakup of the global printed circuit board market based on the substrate?
7. What are the key regions in the global printed circuit board market?
8. Who are the key players/companies in the global printed circuit board market?

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