

Global Printed Circuit Boards Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Printed Circuit Boards market size was valued at US\$ 85027 million in 2025 and is forecast to a readjusted size of US\$ 123994 million by 2032 with a CAGR of 5.7% during review period.

An Electronic Printed Circuit Board is a fundamental component that uses electronic printing technology to form conductive patterns on or within an insulating substrate, providing electrical connections and mechanical support for electronic components. Its core functions are embodied in three aspects: providing a physical carrier for fixing and assembling integrated circuits and various electronic components, enabling signal transmission and electrical interconnection between components through precision conductive circuits formed by copper foil, and ensuring reliable signal integrity for the entire system. The basic construction of an Electronic Printed Circuit Board includes an insulating substrate, a conductive layer, a solder mask layer, and a legend layer, with glass fiber reinforced epoxy resin being the mainstream choice for the substrate. Compared with traditional point to point wire connections, the Electronic Printed Circuit Board significantly reduces the volume of electronic equipment, lowers production costs, and greatly improves product reliability and consistency. From an industrial attribute perspective, the Electronic Printed Circuit Board sits at the intersection of materials science, electronic engineering, and precision manufacturing, appearing in nearly every type of electronic device. Its core value lies in its key position as the mother of the electronics industry, serving as an indispensable foundation for achieving functional integration and miniaturization in all electronic systems.

Market Development Opportunities and Main Drivers

The explosive growth of global artificial intelligence computing infrastructure construction is driving the Electronic Printed Circuit Board industry into a super cycle. Demand for high layer count boards and high density interconnect boards from AI servers has surged dramatically, with the value of Electronic Printed Circuit Boards per AI server reaching multiple times that of ordinary servers, driving the industry to shift from consumer driven to computing infrastructure driven growth. The trend toward vehicle electrification and intelligence is equally strong, with the value of Electronic Printed Circuit Boards per new energy vehicle increasing significantly. On the technology front, M9 grade high frequency high speed materials for next generation platforms are accelerating their market penetration, with material upgrades and process innovation building high industry barriers. Government policy support for the semiconductor and electronic information industry in various countries has created favorable conditions for the industry to transition to high end manufacturing.

Market Challenges and Risks

The Electronic Printed Circuit Board industry faces the core challenge of tight supply of high end raw materials. The capacity expansion cycle for key materials such as low expansion coefficient glass fabric and ultra low loss copper clad laminate lasts one to two years, making short term supply unable to match exponential demand growth. High end capacity expansion faces the dual constraints of high capital barriers and long construction cycles, with traditional production lines unable to be directly converted for producing AI related high end products. Global geopolitical risks are accelerating supply chain regional restructuring, with rising trade protectionism increasing uncertainty in industry layout.

Downstream Demand Trends

AI servers and data centers have become the strongest engine driving demand growth for Electronic Printed Circuit Boards, with shipments of high layer count boards and high density interconnect boards continuing to climb. The automotive electronics sector, benefiting from increased new energy vehicle penetration and upgrades in smart driving features, maintains steady demand growth for automotive Electronic Printed Circuit Boards. In the communications equipment sector, 5G base station construction and high speed switch upgrades provide a stable market space for high end Electronic Printed Circuit Boards. Notably, while traditional demand growth in the consumer electronics sector has slowed, emerging applications such as AI terminals are gradually becoming new growth points.

Regional Trends

Mainland China, with its complete industrial chain supporting capabilities and cost advantages, remains the world's largest Electronic Printed Circuit Board production base, accounting for over half of global output value. Taiwan, China, Japan, and South Korea, leveraging their technical advantages in high end substrates and high layer count boards, occupy key positions in the AI supply chain. Southeast Asia is becoming a hotspot for capacity relocation, with companies from Mainland China, Taiwan, China, Japan, and South Korea accelerating the establishment of new capacity in Thailand, Vietnam, and Malaysia. The global industry landscape is shifting from cost competition to performance competition, with the technical barriers and capital hurdles of high end products continuing to increase market concentration.

This report is a detailed and comprehensive analysis for global Printed Circuit Boards market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Printed Circuit Boards market size and forecasts, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global Printed Circuit Boards market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global Printed Circuit Boards market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global Printed Circuit Boards market shares of main players, shipments in revenue (\$ Million), sales quantity (K Sqm), and ASP (US\$/Sq m), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Printed Circuit Boards

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Printed Circuit Boards market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nippon Mektron?JP?, Unimicron?TW?, AT&S?AT?, TTM?US?, Ibiden?JP?, Shinko Electric?JP?, CMK?JP?, Samsung Electro-Mechanics?KR?, Tripod?TW?, HannStar Board?TW?, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Printed Circuit Boards market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single-Sided Printed Circuit Board

Double-Sided Printed Circuit Board

Multilayer Printed Circuit Board

Market segment by Substrate Property

Rigid Printed Circuit Board

Flexible Printed Circuit Board

Rigid-Flex Printed Circuit Board

Market segment by Substrate Material

FR-4 Glass Epoxy Printed Circuit Board

Polyimide Printed Circuit Board

Metal-Core Printed Circuit Board

Ceramic Printed Circuit Board

PTFE Printed Circuit Board

Market segment by Electrical Interconnection

Through-Hole Printed Circuit Board

Surface-Mount Printed Circuit Board

Mixed Assembly Printed Circuit Board

Market segment by Application

Electronic Communications

Industrial Control

Medical Equipment

Aerospace

Major players covered

Nippon Mektron?JP?

Unimicron?TW?

AT&S?AT?

TTM?US?

Ibiden?JP?

Shinko Electric?JP?

CMK?JP?

Samsung Electro-Mechanics?KR?

Tripod?TW?

HannStar Board?TW?

W?rth Elektronik?DE?

Sanmina?US?

Avary Holding?CN?

Shennan Circuits?CN?

Kinwong?CN?

Victory Giant?CN?

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Printed Circuit Boards product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Printed Circuit Boards, with price, sales quantity, revenue, and global market share of Printed Circuit Boards from 2021 to 2026.

Chapter 3, the Printed Circuit Boards competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Printed Circuit Boards breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Printed Circuit Boards market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Printed Circuit Boards.

Chapter 14 and 15, to describe Printed Circuit Boards sales channel, distributors, customers, research findings and conclusion.

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