

Printed Circuit Board Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Single Sided, Double Sided, Multi-Layer, High Density Interconnect (HDI), Other Types), By Substrate (Rigid, Flexible, Rigid-Flex), By Laminate Type, By End-Use Industry

<https://marketpublishers.com/r/PDEB6D227F77EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: PDEB6D227F77EN

Abstracts

The Printed Circuit Board Market is valued at USD 58.6 billion in 2025 and is projected to grow at a CAGR of 5.2% to reach USD 92.4 billion by 2034. The printed circuit board (PCB) market is a fundamental segment within the electronics industry, providing the essential backbone for a wide range of electronic devices. PCBs are used in almost all electronic products, from consumer electronics like smartphones and computers to industrial applications such as automotive electronics, telecommunications, and medical devices. These boards serve as a platform for mounting and connecting electronic components, ensuring that electrical signals and power are distributed correctly. The PCB market has evolved rapidly, driven by the miniaturization of electronics, demand for higher performance, and the adoption of advanced technologies. Additionally, the increasing complexity of electronic devices and the rise of smart devices has led to a growing need for more sophisticated PCB designs, such as multi-layered and flexible PCBs. As the world moves towards a more connected, smart, and automated future, the demand for high-quality PCBs is expected to remain strong, with the market experiencing steady growth. Key players in the PCB market include manufacturers of raw materials, PCB fabricators, and electronics assemblers, all of whom work together to meet the global demand for these critical components. The printed circuit board market saw significant advancements, primarily driven by innovations in design and manufacturing processes. As the demand for advanced electronics continues to rise, PCB manufacturers are focusing on producing smaller, more efficient, and higher-

performance boards to meet the needs of emerging technologies like 5G, electric vehicles, and IoT (Internet of Things) devices. There has also been a surge in demand for rigid-flexible PCBs, which combine the benefits of both rigid and flexible PCBs, offering greater design flexibility for compact and complex electronic devices. Additionally, the global push toward electric vehicles has created a substantial demand for automotive PCBs, which require enhanced reliability and durability. Environmental concerns have led to a greater emphasis on sustainable manufacturing practices, with companies adopting lead-free soldering processes and recyclable materials in the production of PCBs. Furthermore, automation in PCB manufacturing has increased efficiency and reduced production costs, allowing for better scalability. However, the market also faced challenges such as supply chain disruptions, particularly in the semiconductor industry, which affected the availability of components used in PCB production. The printed circuit board market is expected to continue its upward trajectory, driven by the increasing demand for electronic devices in sectors such as consumer electronics, automotive, and telecommunications. The ongoing trend of miniaturization will push the development of even smaller and more complex PCBs that can accommodate more advanced features in increasingly compact devices. The rise of 5G technology and the growing demand for connected devices will further accelerate the need for high-performance PCBs capable of supporting these technologies. Additionally, the automotive industry's shift toward electric and autonomous vehicles will create new opportunities for PCBs designed to meet the unique requirements of these applications, such as high power handling, enhanced reliability, and resistance to harsh environmental conditions. The growing adoption of smart homes, industrial automation, and wearable devices will also continue to drive demand for flexible and high-performance PCBs. The market will also see greater integration of advanced technologies such as AI and machine learning to enhance PCB design, production, and quality control processes. However, challenges related to raw material costs and supply chain volatility could continue to impact the market in the coming years.

Key Insights Printed Circuit Board Market

Miniaturization of Electronics: The demand for smaller, more efficient, and high-performance PCBs continues to rise as consumer electronics and smart devices become more compact.

Rigid-Flexible PCBs: The increased adoption of rigid-flexible PCBs, combining the benefits of both rigid and flexible designs, is supporting the development of compact and complex devices.

Electric Vehicles: The rise in electric vehicle production is driving demand for automotive PCBs, with a focus on enhanced durability, reliability, and performance.

Sustainability Initiatives: PCB manufacturers are prioritizing sustainable practices, including lead-free soldering and the use of recyclable materials, to meet environmental goals.

AI and Automation Integration: The integration of AI and automation technologies in PCB design and production is enhancing efficiency, precision, and scalability in manufacturing processes.

Technological Advancements: Continued innovations in 5G, IoT, and AI are increasing the demand for high-performance PCBs that can support these cutting-edge technologies.

Consumer Electronics Growth: The increasing use of smartphones, wearables, and smart home devices is driving the demand for advanced PCB designs and high-quality manufacturing.

Automotive Industry Expansion: The growing automotive sector, especially electric and autonomous vehicles, is pushing demand for specialized PCBs that can withstand the harsh automotive environment.

Connectivity Needs: The rising demand for connected devices and 5G infrastructure is creating a significant need for advanced PCBs capable of handling high-frequency and high-speed data transmission.

Supply Chain Volatility: Disruptions in the semiconductor and raw materials supply chains, along with rising material costs, are posing challenges for PCB manufacturers in maintaining production timelines and profitability.

Printed Circuit Board Market Segmentation

By Type

Single Sided

Double Sided

Multi-Layer

High Density Interconnect (HDI)

Other Types

By Substrate

Rigid

Flexible

Rigid-Flex

By Laminate Type

FR-4

Polyimide

Other Laminate Types

By End-Use Industry

Industrial Electronics

Healthcare

Aerospace And Defense

Automotive

IT And Telecom

Consumer Electronics

Other End Users

Key Companies Analysed

Zhen Ding Technology Holding Limited

Unimicron Technology Corporation

TTM Technologies Inc.

NOK CORPORATION

Tripod Technology Corporation

AT&S Austria Technologie & Systemtechnik AG

Kinwong

Jabil Inc.

Suzhou Dongshan Precision Manufacturing Co.Ltd

Shennan Circuits

Sumitomo Corporation

Nippon Mektron Ltd

Compeq Manufacturing Co Ltd

CMK

IBIDEN CO. LTD

Ihara Electronic Industries Co. Ltd.

Kyoden Co. Ltd.

Genus Electrotech Ltd.

Ascent Circuits Pvt. Ltd.

Circuit Systems India Ltd.

Shogini Technoarts Pvt

LtdGilson Inc

Elvia PCB

NCAB Group

Multek

Eurocircuits

Aspocomp

ICAPE Group

W?rth Elektronik Group

EverMAX sro

A3 v.o.s

AJ Technology Ltd

AWOS s.r.o

Cemebo s.r.o

EMS-ELECTRA SRL

PCB ELECTRA

DGTronik

Flex Ltd

Rush PCB Inc

Custom Circuit Boards

Journey Circuits Inc

Mentor Graphics Corp

Rockwell Collins Inc

Telephonics Corporation

NTI PCB Lab

JHYPCB

Bonam Electronic Projects

Bosco Printed Circuits

Printed Circuit Board Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Printed Circuit Board Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Printed Circuit Board market data and outlook to 2034

United States

Canada

Mexico

Europe — Printed Circuit Board market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Printed Circuit Board market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Printed Circuit Board market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Printed Circuit Board market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Printed Circuit Board value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Printed Circuit Board industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Printed Circuit Board Market Report

Global Printed Circuit Board market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Printed Circuit Board trade, costs, and supply chains

Printed Circuit Board market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Printed Circuit Board market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Printed Circuit Board market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Printed Circuit Board supply chain analysis

Printed Circuit Board trade analysis, Printed Circuit Board market price analysis, and Printed Circuit Board supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Printed Circuit Board market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL PRINTED CIRCUIT BOARD MARKET SUMMARY, 2025

- 2.1 Printed Circuit Board Industry Overview
 - 2.1.1 Global Printed Circuit Board Market Revenues (In US\$ billion)
- 2.2 Printed Circuit Board Market Scope
- 2.3 Research Methodology

3. PRINTED CIRCUIT BOARD MARKET INSIGHTS, 2024-2034

- 3.1 Printed Circuit Board Market Drivers
- 3.2 Printed Circuit Board Market Restraints
- 3.3 Printed Circuit Board Market Opportunities
- 3.4 Printed Circuit Board Market Challenges
- 3.5 Tariff Impact on Global Printed Circuit Board Supply Chain Patterns

4. PRINTED CIRCUIT BOARD MARKET ANALYTICS

- 4.1 Printed Circuit Board Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Printed Circuit Board Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Printed Circuit Board Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Printed Circuit Board Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Printed Circuit Board Market
 - 4.5.1 Printed Circuit Board Industry Attractiveness Index, 2025
 - 4.5.2 Printed Circuit Board Supplier Intelligence
 - 4.5.3 Printed Circuit Board Buyer Intelligence
 - 4.5.4 Printed Circuit Board Competition Intelligence
 - 4.5.5 Printed Circuit Board Product Alternatives and Substitutes Intelligence
 - 4.5.6 Printed Circuit Board Market Entry Intelligence

5. GLOBAL PRINTED CIRCUIT BOARD MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

5.1 World Printed Circuit Board Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)

5.1 Global Printed Circuit Board Sales Outlook and CAGR Growth By Type, 2024- 2034 (\$ billion)

5.2 Global Printed Circuit Board Sales Outlook and CAGR Growth By Substrate, 2024- 2034 (\$ billion)

5.3 Global Printed Circuit Board Sales Outlook and CAGR Growth By Laminate Type, 2024- 2034 (\$ billion)

5.4 Global Printed Circuit Board Sales Outlook and CAGR Growth By End-Use Industry, 2024- 2034 (\$ billion)

5.5 Global Printed Circuit Board Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

6. ASIA PACIFIC PRINTED CIRCUIT BOARD INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

6.1 Asia Pacific Printed Circuit Board Market Insights, 2025

6.2 Asia Pacific Printed Circuit Board Market Revenue Forecast By Type, 2024- 2034 (USD billion)

6.3 Asia Pacific Printed Circuit Board Market Revenue Forecast By Substrate, 2024- 2034 (USD billion)

6.4 Asia Pacific Printed Circuit Board Market Revenue Forecast By Laminate Type, 2024- 2034 (USD billion)

6.5 Asia Pacific Printed Circuit Board Market Revenue Forecast By End-Use Industry, 2024- 2034 (USD billion)

6.6 Asia Pacific Printed Circuit Board Market Revenue Forecast by Country, 2024- 2034 (USD billion)

6.6.1 China Printed Circuit Board Market Size, Opportunities, Growth 2024- 2034

6.6.2 India Printed Circuit Board Market Size, Opportunities, Growth 2024- 2034

6.6.3 Japan Printed Circuit Board Market Size, Opportunities, Growth 2024- 2034

6.6.4 Australia Printed Circuit Board Market Size, Opportunities, Growth 2024- 2034

7. EUROPE PRINTED CIRCUIT BOARD MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

7.1 Europe Printed Circuit Board Market Key Findings, 2025

7.2 Europe Printed Circuit Board Market Size and Percentage Breakdown By Type, 2024- 2034 (USD billion)

7.3 Europe Printed Circuit Board Market Size and Percentage Breakdown By Substrate, 2024- 2034 (USD billion)

7.4 Europe Printed Circuit Board Market Size and Percentage Breakdown By Laminate Type, 2024- 2034 (USD billion)

7.5 Europe Printed Circuit Board Market Size and Percentage Breakdown By End-Use Industry, 2024- 2034 (USD billion)

7.6 Europe Printed Circuit Board Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.6.1 Germany Printed Circuit Board Market Size, Trends, Growth Outlook to 2034

7.6.2 United Kingdom Printed Circuit Board Market Size, Trends, Growth Outlook to 2034

7.6.2 France Printed Circuit Board Market Size, Trends, Growth Outlook to 2034

7.6.2 Italy Printed Circuit Board Market Size, Trends, Growth Outlook to 2034

7.6.2 Spain Printed Circuit Board Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA PRINTED CIRCUIT BOARD MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

8.1 North America Snapshot, 2025

8.2 North America Printed Circuit Board Market Analysis and Outlook By Type, 2024- 2034 (\$ billion)

8.3 North America Printed Circuit Board Market Analysis and Outlook By Substrate, 2024- 2034 (\$ billion)

8.4 North America Printed Circuit Board Market Analysis and Outlook By Laminate Type, 2024- 2034 (\$ billion)

8.5 North America Printed Circuit Board Market Analysis and Outlook By End-Use Industry, 2024- 2034 (\$ billion)

8.6 North America Printed Circuit Board Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.6.1 United States Printed Circuit Board Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.6.1 Canada Printed Circuit Board Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.6.1 Mexico Printed Circuit Board Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA PRINTED CIRCUIT BOARD MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

- 9.1 Latin America Printed Circuit Board Market Data, 2025
- 9.2 Latin America Printed Circuit Board Market Future By Type, 2024- 2034 (\$ billion)
- 9.3 Latin America Printed Circuit Board Market Future By Substrate, 2024- 2034 (\$ billion)
- 9.4 Latin America Printed Circuit Board Market Future By Laminate Type, 2024- 2034 (\$ billion)
- 9.5 Latin America Printed Circuit Board Market Future By End-Use Industry, 2024- 2034 (\$ billion)
- 9.6 Latin America Printed Circuit Board Market Future by Country, 2024- 2034 (\$ billion)
 - 9.6.1 Brazil Printed Circuit Board Market Size, Share and Opportunities to 2034
 - 9.6.2 Argentina Printed Circuit Board Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA PRINTED CIRCUIT BOARD MARKET OUTLOOK AND GROWTH PROSPECTS

- 10.1 Middle East Africa Overview, 2025
- 10.2 Middle East Africa Printed Circuit Board Market Statistics By Type, 2024- 2034 (USD billion)
- 10.3 Middle East Africa Printed Circuit Board Market Statistics By Substrate, 2024- 2034 (USD billion)
- 10.4 Middle East Africa Printed Circuit Board Market Statistics By Laminate Type, 2024- 2034 (USD billion)
- 10.5 Middle East Africa Printed Circuit Board Market Statistics By Laminate Type, 2024- 2034 (USD billion)
- 10.6 Middle East Africa Printed Circuit Board Market Statistics by Country, 2024- 2034 (USD billion)
 - 10.6.1 Middle East Printed Circuit Board Market Value, Trends, Growth Forecasts to 2034
 - 10.6.2 Africa Printed Circuit Board Market Value, Trends, Growth Forecasts to 2034

11. PRINTED CIRCUIT BOARD MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

- 11.1 Key Companies in Printed Circuit Board Industry
- 11.2 Printed Circuit Board Business Overview
- 11.3 Printed Circuit Board Product Portfolio Analysis
- 11.4 Financial Analysis
- 11.5 SWOT Analysis

12 APPENDIX

- 12.1 Global Printed Circuit Board Market Volume (Tons)
- 12.1 Global Printed Circuit Board Trade and Price Analysis
- 12.2 Printed Circuit Board Parent Market and Other Relevant Analysis
- 12.3 Publisher Expertise
- 12.2 Printed Circuit Board Industry Report Sources and Methodology

I would like to order

Product name: Printed Circuit Board Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Single Sided, Double Sided, Multi-Layer, High Density Interconnect (HDI), Other Types), By Substrate (Rigid, Flexible, Rigid-Flex), By Laminate Type, By End-Use Industry

Product link: <https://marketpublishers.com/r/PDEB6D227F77EN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/PDEB6D227F77EN.html>