

Global Multilayer Printed Circuit Board Market Size study, by Layer (Layer 4-6, Layer 6+), by Substrate (Rigid, Flexible, Rigid-Flex), by End Use Industry (Industrial Electronics, Healthcare, Aerospace & Defense, Automotive, IT & Telecom, Consumer Electronics, Others) and Regional Forecasts 2022-2032

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Abstracts

The Global Multilayer Printed Circuit Board (PCB) Market was valued at approximately USD 88.1 billion in 2023 and is expected to witness robust growth, reaching nearly USD 145.09 billion by 2032, with a compound annual growth rate (CAGR) of 5.7% from 2024 to 2032. Multilayer PCBs are integral components in the realm of modern electronics, providing compact, high-density circuit solutions that enhance the performance and functionality of a wide range of devices. These circuit boards consist of multiple conductive layers stacked and insulated to support complex electronic configurations, making them essential in advanced electronic devices across various industries. The rapid technological advancements in consumer electronics, such as smartphones, tablets, and wearables, significantly contribute to the increasing demand for multilayer PCBs. These devices require sophisticated circuit designs to maintain their compactness and high performance, which multilayer PCBs effectively provide. Additionally, the automotive industry's transformation, driven by the electrification of vehicles, autonomous driving, and advanced driver-assistance systems (ADAS), further fuels the market. The growing complexity of automotive electronics necessitates the use of reliable, high-density multilayer PCBs, making them indispensable in this sector. Furthermore, the global expansion of 5G technology serves as a substantial driver for the multilayer PCB market. The deployment of 5G networks demands advanced communication systems capable of high-speed data processing and transmission,

which are supported by multilayer PCBs. The development of robust infrastructure, including base stations and networking equipment, is crucial for the successful rollout of 5G, thereby increasing the demand for these advanced circuit boards.

The key regions considered for the Global Multilayer Printed Circuit Board Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. The market is expected to witness significant growth in Asia-Pacific due to the presence of key electronics manufacturers, rapid industrialization, and increasing investments in 5G technology. North America and Europe are also anticipated to contribute substantially to market growth, driven by the adoption of advanced technologies in automotive and healthcare sectors.

Major market players included in this report are:

Compeq Manufacturing Co., Ltd.
Sumitomo Electric Industries, Ltd.
Nippon Mektron, Ltd.
Amphenol ZD Tech
TE Connectivity Ltd.
Hon Hai Precision Industry Co., Ltd.
AT&S Austria Technologie & Systemtechnik AG
Molex
TTM Technologies, Inc.
Unimicron Technology Corporation

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

By Layer:

- Layer 4-6
- Layer 6+

By Substrate:

- Rigid
- Flexible
- Rigid-Flex

By End Use Industry:

- Industrial Electronics
- Healthcare
- Aerospace & Defense
- Automotive
- IT & Telecom
- Consumer Electronics
- 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
- RoLA
- 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.
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