

# Global Rigid-flex PCB Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Rigid-flex PCB market size was valued at USD 2153.6 million in 2023 and is forecast to a readjusted size of USD 3203.7 million by 2030 with a CAGR of 5.8% during review period.

Rigid flex circuits are a hybrid structure of rigid and flexible PCBs. Rigid and flexible circuits are integrated into a unitary interconnection structure to gain special advantages. The structures can vary widely in terms of materials and layout but in general, the most common materials are polyimide for the flexible circuit portions and FR4 or polyimide laminates for the rigid portions

Global rigid-flex PCB main manufacturers include Nippon Mektron, Unimicron, Young Poong Group, Samsung Electro-Mechanics, Nanya PCB, etc., totally holding a share for 30% of the market. China is the largest market of recirculating chillers, with a share about 50%. As for the types of products, it can be divided into single layer, double layer and multi-layer. The most common product is single layer, with a share over 40%. In terms of applications, it is widely used in military and aerospace, medical, consumer devices and others. The most common application is in consumer devices, with a share over 40%.

The Global Info Research report includes an overview of the development of the Rigid-flex PCB industry chain, the market status of Military and Aerospace (Single Layer, Double Layer), Medical (Single Layer, Double Layer), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Rigid-flex PCB.

Regionally, the report analyzes the Rigid-flex PCB markets in key regions. North

America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Rigid-flex PCB market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Rigid-flex PCB market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Rigid-flex PCB industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Sqm), revenue generated, and market share of different by Type (e.g., Single Layer, Double Layer).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Rigid-flex PCB market.

**Regional Analysis:** The report involves examining the Rigid-flex PCB market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Rigid-flex PCB market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Rigid-flex PCB:

**Company Analysis:** Report covers individual Rigid-flex PCB manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and

attitudes towards Rigid-flex PCB This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Military and Aerospace, Medical).

**Technology Analysis:** Report covers specific technologies relevant to Rigid-flex PCB. It assesses the current state, advancements, and potential future developments in Rigid-flex PCB areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Rigid-flex PCB market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

### Market Segmentation

Rigid-flex PCB market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Single Layer

Double Layer

Multi-Layer

### Market segment by Application

Military and Aerospace

Medical

Consumer Devices

Others

Major players covered

Nippon Mektron

Unimicron

Young Poong Group

Samsung Electro-Mechanics

Nanya PCB

Compeq

Ibiden

TTM

Shennan Circuits

CMK Corporation

Kingboard

AT&S

Redboard

Wuzhu Group

NCAB Group

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 Rigid-flex PCB product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Rigid-flex PCB, with price, sales, revenue and global market share of Rigid-flex PCB from 2019 to 2024.

Chapter 3, the Rigid-flex PCB competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Rigid-flex PCB breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Rigid-flex PCB market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Rigid-flex PCB.

Chapter 14 and 15, to describe Rigid-flex PCB sales channel, distributors, customers, research findings and conclusion.

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