

Global Flexible PCB Market

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Abstracts

The global market for flexible printed circuit boards (PCBs) was valued at \$23.3 billion in 2025 and is estimated to reach \$41.7 billion by 2030, at a compound annual growth rate (CAGR) of 12.3% from 2025 through 2030.

The flexible PCB market is witnessing a sudden surge in demand across developed and developing countries, driven by a surge in demand for digital infrastructure, LED display solutions, smartphones, and artificial intelligence (AI) and machine learning (ML) solutions across residential, commercial, and government sectors. The market was valued at \$REDACTED billion in 2024 and is expected to reach \$REDACTED billion by the end of 2030, with an expected CAGR of REDACTED% from 2025 to 2030.

Next-generation PCBs are becoming ideal for advanced electronic solutions such as smartphones, wearable devices, medical electronics, robotics, and other electronic solutions. Flexible PCBs offer high signal integrity, excellent thermal stability, and the ability to maintain performance in compact devices, such as small handheld devices like smartwatches, smart lockets, pacemakers, and medical diagnostic equipment. Flexible PCBs' ability to incorporate multiple components into a single unit, reduce the count of connectors, and dissipate heat effectively facilitates their application in next-generation electronic products, including AI hardware, robotics systems, automotive electronics, and industrial automation. The need for miniaturized, lightweight, and energy-efficient electronic designs continues to drive the fast adoption of flexible PCBs across both commercial and mission-critical applications. Report Scope

The report analyzes the flexible printed circuit board (PCB) market across various segments, including type, thickness, and application, offering insights into key trends and growth in drivers. The study focuses on types of flexible PCBs (FPCBs), such as multi-layer FPCBs, double-layer FPCBs, single-layer FPCBs, rigid-flex PCBs, and others. It assesses the use of these types across different flexible-PCB thickness

categories, including under 0.15 mm, 16 mm to 30 mm, and above 30 mm. Furthermore, the report evaluates market demand across key application segments, including mobile, consumer electronics, automotive electronics, industrial electronics, aerospace and defense, medical devices, and others.

The report provides a comprehensive regional analysis covering North America, Europe, Asia-Pacific, Latin America, and the Middle East and Africa (MEA). It evaluates the drivers, challenges, and emerging trends, while highlighting innovations in flexible PCB-based electronics and performance enhancement. The study concludes with an analysis of major companies in the market and their offerings. The base year for the study is 2024, with projections for 2025 through 2030, including compound annual growth rate (CAGR) for the forecast period.

Report Includes

52 data tables and 47 additional tables

Overview and an analysis of the global markets for flexible printed circuit boards (FPCB) technology

Analyses of global market trends, with market revenue data for 2024, estimates for 2025, forecast for 2027, and projected CAGRs through 2030

Estimates of the size and revenue prospects for global flexible PCB market, along with a corresponding market share analysis by type, layer, application, end-use industry, and geographic region

Facts and figures about the global market dynamics, technological advancements, emerging applications, innovations, prospects, regulations, and the impact of macroeconomic factors

Insights derived from the Porter's Five Forces model, as well as global supply chain analyses

Analysis of patents, emerging trends and new developments in the electronics manufacturing industry

Analysis of the industry structure, including companies' market shares and rankings, strategic initiatives, M&A activity and a venture funding outlook

Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, and the ESG risk ratings scores and practices of leading companies

Company profiles of major players within the industry, including Zhen Ding Technology Holding Ltd., Suzhou Dongshan Precision Manufacturing Co. Ltd., Nitto Denko Corporation, and BHflex Co. Ltd.

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AT&S
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COMPEQ CO. LTD.
FLEX LTD.
FUJIKURA PRINTED CIRCUITS LTD.
INTERFLEX CO. LTD.
MEKTRON CORP.
NITTO DENKO CORP.
RAYMING TECHNOLOGY
SUMITOMO ELECTRIC INDUSTRIES LTD.
SUZHOU DONGSHAN PRECISION MANUFACTURING CO. LTD.
TTM TECHNOLOGIES INC.

UNIMICRON
VIASION TECHNOLOGY CO. LTD.
YOUNGPOONG ELECTRONICS CO. LTD.
ZHEN DING TECHNOLOGY HOLDING LTD.

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