Flexible Printed Circuit Board Market Research Report- Global Forecast to 2022

Report / Search Code: MRFR/SEM/0692-CR  Publish Date: February, 2019

Description:
Flexible Printed Circuit Board Market: By Type (Multilayer Flex, Rigid-Flex, Double-Sided Flex and Single-Sided Flex), By Application Area (Consumer Electronics, Manufacturing, Aerospace & Defense, Medical Devices, Automotive, Wearables and Others) - Global Forecast till 2023

Market Overview

Market Research Future (MRFR) expects the Global Flexible Printed Circuit Board Market to exhibit a strong CAGR of 12.6% from 2018 to 2023 (forecast period). Factors such as rising demand for consumer electronics and the fast-growing popularity of flexible display technology are boosting the global flexible printed circuit board market. As traditional wire harnesses do not comply with the applicable specifications of modern electronic components, they are substituted by advanced flexible printed circuits. Flexible circuit technology has continued to evolve over the years, enabling the undertaking of intricate component design. Furthermore, it plays a vital role in the miniaturization of electronic components.

COVID-19 Impact on the Global Flexible Printed Circuit Board Market

COVID-19 pandemic is projected to have a short-term and mid-term impact on the semiconductor and electronics industry, which, in turn, are estimated to have an impact on the flexible PCB industry. In addition, the supply chain of electronic manufacturers has been disrupted by delays in shipment due to lockdown. The coronavirus situation is expected to impede the growth of the consumer electronics market, followed by the automotive & industrial sectors.

In addition, PCB manufacturers are now concentrating on investing in IoT-enabled environments, primarily to avoid physical contact. There has been an increase in demand for medical devices and smart devices in the recent past. However, as a result of the outbreak of COVID-19, there is a slowdown in production, especially in the automobile OEMs, which significantly fluctuates the demand for electronic products.

Market Dynamics

Drivers

Increasing Demand for Compact and Flexible Electronic Products

Multiple systems in a rigid board take up more space and add more weight. Flex circuits are made from the thin dielectric substrate and high ductility metal foil, making them compact and flexible in nature to meet the requirements of a smaller and higher density mounting design. Therefore, the miniaturization and pliability of the flex circuits over traditional rigid boards are some of the significant characteristics that are expected to stimulate market development.

Increased System Reliability

Most circuit failures happen at the interconnection point. Flex circuits minimize interconnection points, making them more reliable to use. They also reduce the overall cost involved in complex wiring and provide interconnectivity solutions. In addition, flex
circuits can only fit in one way and thus reduce wire routing errors that result in time savings for testing.

Restraints

Increasing Initial Cost

The initial cost of circuit layout and design for flexible printed circuit boards is higher than rigid PCBs that are less expensive. This will impede the growth of the market over the forecast period.

Market Segmentation

Global Flexible Printed Circuit Board Industry has been segmented into Type and Application.

Based on type, the flexible printed circuit board market has been segmented into rigid-flex, single-sided flex, multilayer flex, and double-sided flex.

Based on application, the flexible printed circuit board market has been segmented into consumer electronics, manufacturing, medical devices, automotive, aerospace & defense, wearables, and others.

Regional Analysis

APAC to dominate the global market

The market in the Asia Pacific is expected to show significant growth over the forecast period as a result of large-scale investment in flexible printed circuit board manufacturing technology in the region. China, Japan, and India are expected to be the main countries in the Asian market for flexible printed circuit boards on the basis of the growing demand for electronic products in these countries.

Competitive Landscape

The global flexible printed circuit board (FPCB) market is highly competitive with the presence of a range of vendors offering extensive FPCB products, such as single side FPCB, double side FPCB, multi-layer FPCB, build-up FPCB, and others. Key vendors are focused on expanding the product range with improved technologies to deliver advanced products to different industries. In addition, these companies are leading providers of flexible printed circuit boards and compete on the global market to provide high-quality flexible printed circuit boards to expand their geographic reach and improve consumer and company engagement.

These companies pursue an organic and inorganic growth strategy through product development, strategic alliances, and collaborations to include advanced flexible printed circuit boards. Competition in the global market is expected to increase further due to increasing new product launches, technical developments, and mergers and acquisitions.

Key Players


Report Overview

This research report examines crucial factors, constraints, and obstacles in the global flexible printed circuit board market, regional and segment revenue forecasts, and assessments. The base year is 2018; the projection is 2018-2023. The segmentation of the market is described in the following manner.

Segmentation Table

By Type

- Multilayer Flex
- Rigid-Flex
- Double-Sided Flex
- Single-Sided Flex

By Application Area
GLOBAL FLEXIBLE PRINTED CIRCUIT BOARD MARKET

Globally the flexible printed circuit board market is expected to reach **USD 14,119.6 million** by 2023

Global Flexible Printed Circuit Board Market, Market Share (%) 2017

- **DRIVERS**
  - Increasing Demand for Consumer Electronics
  - Increasing Adoption of Flexible Display Technology
  - Rising Demand for Miniaturization of Electronic Components

- **RESTRAINT**
  - High Manufacturing Costs

- **OPPORTUNITY**
  - Widening Application Scope of IoT

- **KEY PLAYERS**
  - Sumitomo Electric Industries, Ltd
  - NITTO DENKO CORPORATION
  - Fujikura Ltd
  - Zhen Ding Tech
  - Career Technologies

Copyrights © Market Research Future | www.marketresearchfuture.com
# Contents

<table>
<thead>
<tr>
<th>License</th>
</tr>
</thead>
</table>

© Single User  © Enterprise User (Buy Premium Reports Chapterwise)

## TABLE OF CONTENTS

1 EXECUTIVE SUMMARY

2 MARKET INTRODUCTION

2.1 Definition 14
2.2 Scope of the Study 14
2.3 List of Assumptions 15
2.4 Market Structure 16

3 MARKET INSIGHTS

4 RESEARCH METHODOLOGY

5 MARKET DYNAMICS

6 MARKET FACTOR ANALYSIS

7 GLOBAL FLEXIBLE PRINTED CIRCUIT BOARD MARKET, BY TYPE

8 GLOBAL FLEXIBLE PRINTED CIRCUIT BOARD MARKET, BY APPLICATION AREAS

9 FLEXIBLE PRINTED CIRCUIT BOARD MARKET, BY REGION

10 COMPETITIVE LANDSCAPE

11 COMPANY PROFILES

12 LIST OF TABLES

13 LIST OF FIGURES