

# **Flexible Printed Circuit Boards Market by Type (Single-Sided FPCBs, Double-Sided FPCBs, Multilayer FPCBs, Rigid-Flex PCBs), End User (Consumer Electronics, Automotive Electronics, Industrial Electronics) - Global Opportunity Analysis and Industry Forecast, 2015-2022**

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## **Abstracts**

Flexible printed circuit board (FPCBs) are traces of conductive material on flexible substrate. These are used for avoiding complex structuring of wiring and other connections. Currently, FPCBs are extensively used in applications such as automotive electronics, consumer electronics, and industrial electronics. These are designed to overcome limitations of rigid PCBs and manual wiring, and are utilized for efficient interconnection in between electronic components such as integrated circuits, capacitors, and resistors.

The global flexible PCBs market is poised to witness significant growth during the forecast period, due their advantages such as lightweight nature, simple structuring, cost saving, and design freedom. Increase in applications of FPCBs in consumer electronics and automobile electronics, growth in disposable income of people towards these applications, and significant rise in demand for smartphones globally are projected to create numerous opportunities for growth. Furthermore, strategies adopted by the FPCBs manufacturers, such as introduction of flexible diode display used in organic light-emitting diodes (OLED) and flexible solar cells for fulfilling power management need in satellites, are anticipated to further fuel the market growth. However, rise in number of choices for laminates leading to challenges in fabrication and inefficiency in error detection and handling methodologies are expected to hinder this growth.

The FPCBs market is segmented based on type, end user, and geography. The type

segment is divided into single-sided FPCBs, double-sided FPCBs, multilayer FPCBs, rigid-flex FPCBs, and others. The end user segment is classified into consumer electronics, automotive electronics, industrial electronics, and others. Geographically, it is analyzed across North America (U.S., Mexico, and Canada), Europe (UK, Germany, France, Italy, and rest of Europe), Asia-Pacific (China, India, Japan, Oceania, and rest of Asia-Pacific), and LAMEA (Latin America, Middle East, and Africa).

Key players operating in this market include NOK Corporation (Nippon Mektron Ltd.), Sumitomo Electric Industries, Ltd. (SEI), Fujikura Ltd., Multi-Fineline Electronix, Inc., Zhen Ding Technology Holding Limited (ZDT), Nitto Denko Corp., Interflex Co., Ltd., Career Technology, FLEXium Interconnect, Inc., and ICHIA Technologies Inc.

## POTENTIAL BENEFITS FOR STAKEHOLDERS

Comprehensive analysis of the current trends and future estimations of the global FPCBs market is provided.

The report presents a competitive scenario of the market along with growth trends, structure, driving factors, scope, opportunities, and challenges.

The report includes a detailed analysis of the key segments to provide insights on the market dynamics.

Porter's Five Forces analysis highlights the potential of buyers and suppliers as well as provides insights on the competitive structure of the market to devise effective growth strategies and facilitate better decision-making.

Value chain analysis provides key inputs on the role of stakeholders involved at various stages.

## MARKET SEGMENTATION

The global FPCBs market is segmented based on type, end user, and geography.

### BY TYPE

Single-Sided FPCBs

Double-Sided FPCBs

Multilayer FPCBs

Rigid-Flex FPCBs

Others

## BY END USER

Consumer Electronics

Automotive Electronics

Industrial Electronics

Others

## BY GEOGRAPHY

North America

U.S.

Mexico

Canada

Europe

UK

Germany

Italy

France

Rest of Europe

## Asia-Pacific

China

India

Japan

Oceania

Rest of Asia-Pacific

## LAMEA

Latin America

Middle East

Africa

## KEY PLAYERS

NOK Corporation (Nippon Mektron Ltd.)

Sumitomo Electric Industries, Ltd. (SEI)

Fujikura Ltd.

Multi-Fineline Electronix, Inc.

Zhen Ding Technology Holding Limited (ZDT)

Nitto Denko Corp.

Interflex Co.

Ltd., Career Technology

FLEXium Interconnect, Inc.

ICHIA Technologies Inc.

## Contents

### **CHAPTER: 1 INTRODUCTION**

- 1.1. Report Description
- 1.2. Key Benefits
- 1.3. Key Market Segments
- 1.4. Research Methodology
  - 1.4.1. Secondary Research
  - 1.4.2. Primary Research
  - 1.4.3. Analyst Tools and Models

### **CHAPTER: 2 EXECUTIVE SUMMARY**

- 2.1. CXO Perspective

### **CHAPTER: 3 MARKET OVERVIEW**

- 3.1. Market Definition and Scope
- 3.2. Key Findings
  - 3.2.1. Top Impacting Factors
  - 3.2.2. Top Winning Strategies
  - 3.2.3. Top Investment Pockets
- 3.3. Porter's Five Force's Analysis
  - 3.3.1. Bargaining Power of Suppliers
  - 3.3.2. Bargaining Power of Buyers
  - 3.3.3. Threat of Substitutes
  - 3.3.4. Threat of New Entrants
  - 3.3.5. Intensity of Competitive Rivalry
- 3.4. Market Share Analysis, 2015
- 3.5. Market Dynamics
  - 3.5.1. Drivers
  - 3.5.2. Restraints
  - 3.5.3. Opportunities

### **CHAPTER: 4 GLOBAL FLEXIBLE PRINTED CIRCUIT BOARDS MARKET, BY TYPE**

- 4.1 Introduction
- 4.2 Single Sided FPCBs

- 4.2.1 Key Market Trends
- 4.2.2 Key Growth Factors and Opportunities
- 4.2.3 Market Size and Forecast
- 4.2.4 Single Sided Fpcbs Market for North America, (\$Million), Growth (%) 2014-2022
- 4.2.5 Single Sided Fpcbs Market for Europe, (\$Million), Growth (%) 2014-2022
- 4.2.6 Single Sided Fpcbs Market for Asia-Pacific, (\$Million), Growth (%) 2014-2022
- 4.2.7 Single Sided Fpcbs Market for LAMEA, (\$Million), Growth (%) 2014-2022
- 4.3 Double Sided FPCBS
  - 4.3.1 Key Market Trends
  - 4.3.2 Key Growth Factors and Opportunities
  - 4.3.3 Market Size and Forecast
  - 4.3.4 Double Sided Fpcbs Market for North America, (\$Million), Growth (%) 2014-2022
  - 4.3.5 Double Sided Fpcbs Market for Europe, (\$Million), Growth (%) 2014-2022
  - 4.3.6 Double Sided Fpcbs Market for Asia-Pacific, (\$Million), Growth (%) 2014-2022
  - 4.3.7 Double Sided Fpcbs Market for LAMEA, (\$Million), Growth (%) 2014-2022
- 4.4 Multilayer FPCBS
  - 4.4.1 Key Market Trends
  - 4.4.2 Key Growth Factors and Opportunities
  - 4.4.3 Market Size and Forecast
  - 4.4.4 Multilayer Fpcbs Market for North America, (\$Million), Growth (%) 2014-2022
  - 4.4.5 Multilayer Fpcbs Market for Europe, (\$Million), Growth (%) 2014-2022
  - 4.4.6 Multilayer Fpcbs Market for Asia-Pacific, (\$Million), Growth (%) 2014-2022
  - 4.4.7 Multilayer Fpcbs Market for LAMEA, (\$Million), Growth (%) 2014-2022
- 4.5 Rigid-Flex PCBS
  - 4.5.1 Key Market Trends
  - 4.5.2 Key Growth Factors and Opportunities
  - 4.5.3 Market Size and Forecast
  - 4.5.4 Rigid-Flex Fpcbs Market for North America, (\$Million), Growth (%) 2014-2022
  - 4.5.5 Rigid-Flex Fpcbs Market for Europe, (\$Million), Growth (%) 2014-2022
  - 4.5.6 Rigid-Flex Fpcbs Market for Asia-Pacific, (\$Million), Growth (%) 2014-2022
  - 4.5.7 Rigid-Flex Fpcbs Market for LAMEA, (\$Million), Growth (%) 2014-2022
- 4.6 Others
  - 4.6.1 Key Market Trends
  - 4.6.2 Key Growth Factors and Opportunities
  - 4.6.3 Market Size and Forecast
  - 4.6.4 Others Fpcbs Market for North America, (\$Million), Growth (%) 2014-2022
  - 4.6.5 Others Fpcbs Market for Europe, (\$Million), Growth (%) 2014-2022
  - 4.6.6 Others Fpcbs Market for Asia-Pacific, (\$Million), Growth (%) 2014-2022
  - 4.6.7 Others Fpcbs Market for LAMEA, (\$Million), Growth (%) 2014-2022

## **CHAPTER: 5 GLOBAL FLEXIBLE PRINTED CIRCUIT BOARDS MARKET, BY END USER**

### 5.1 Introduction

### 5.2 Consumer Electronics

#### 5.2.1 Key Market Trends

#### 5.2.2 Key Growth Factors and Opportunities

#### 5.2.3 Market Size and Forecast

5.2.4 North America Fpcbs Market for Consumer Electronics, (\$Million), Growth (%)  
2014-2022

5.2.5 Europe Fpcbs Market for Consumer Electronics Market, (\$Million), Growth (%)  
2014-2022

5.2.6 Asia-Pacific Fpcbs Market for Consumer Electronics, (\$Million), Growth (%)  
2014-2022

5.2.7 LAMEA Fpcbs Market for Consumer Electronics, (\$Million), Growth (%)  
2014-2022

### 5.3 Automotive Electronics

#### 5.3.1 Key Market Trends

#### 5.3.2 Key Growth Factors and Opportunities

#### 5.3.3 Market Size and Forecast

5.3.4 North America Fpcbs Market for Automotive Electronics, (\$Million), Growth (%)  
2014-2022

5.3.5 Europe Fpcbs Market for Automotive Electronics, (\$Million), Growth (%)  
2014-2022

5.3.6 Asia-Pacific Fpcbs Market for Automotive Electronics, (\$Million), Growth (%)  
2014-2022

5.3.7 LAMEA Fpcbs Market for Automotive Electronics, (\$Million), Growth (%)  
2014-2022

### 5.4 Industrial Electronics

#### 5.4.1 Key Market Trends

#### 5.4.2 Key Growth Factors and Opportunities

#### 5.4.3 Market Size and Forecast

5.4.4 North America Fpcbs Market for Industrial Electronics, (\$Million), Growth (%)  
2014-2022

5.4.5 Europe Fpcbs Market for Industrial Electronics, (\$Million), Growth (%) 2014-2022

5.4.6 Asia-Pacific Fpcbs Market for Industrial Electronics, (\$Million), Growth (%)  
2014-2022

5.4.7 LAMEA Fpcbs Market for Industrial Electronics, (\$Million), Growth (%)



2014-2022

5.5 Others

5.5.1 Key Market Trends

5.5.2 Key Growth Factors and Opportunities

5.5.3 Market Size and Forecast

5.5.4 North America Fpcbs Market for Other Applications (\$Million), Growth (%)

2014-2022

5.5.5 Europe Fpcbs Market for Other Applications (\$Million), Growth (%) 2014-2022

5.5.6 Asia-Pacific Fpcbs Market for Other Applications (\$Million), Growth (%)

2014-2022

5.5.7 LAMEA Fpcbs Market for Other Applications (\$Million), Growth (%) 2014-2022

## **CHAPTER: 6 GLOBAL FLEXIBLE PRINTED CIRCUIT BOARDS MARKET, BY GEOGRAPHY**

6.1 Introduction

6.2 North America

6.2.1 Key Market Trends

6.2.2 Key Growth Factors and Opportunities

6.2.3 Market Size and Forecast

6.2.4 U.S. Market, (\$Million), Growth (%) 2014-2022

6.2.5 Canada Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.2.6 Mexico Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.3 Europe

6.3.1 Key Market Trends

6.3.2 Key Growth Factors and Opportunities

6.3.3 Market Size and Forecast

6.3.4 U.K Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.3.5 Germany Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.3.6 France Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.3.7 Italy Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.3.8 Rest of Europe Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.4 Asia-Pacific

6.4.1 Key Market Trends

6.4.2 Key Growth Factors and Opportunities

6.4.3 Market Size and Forecast

6.4.4 China Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.4.5 India Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.4.6 Japan Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.4.7 Oceania Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.4.8 Rest of Asia-Pacific Market, (\$Million), Growth (%) 2014-2022

## 6.5 Lamea

6.5.1 Key Market Trends

6.5.2 Key Growth Factors and Opportunities

6.5.3 Market Size and Forecast

6.5.4 Latin America Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.5.5 Middle East Fpcbs Market, (\$Million), Growth (%) 2014-2022

6.5.6 Africa Fpcbs Market, (\$Million), Growth (%) 2014-2022

## **CHAPTER: 7 COMPANY PROFILE**

### 7.1 NOK Corporation (NIPPON MEKTRON LTD.)

7.1.1 Company overview

7.1.2 Company Snapshot

### 7.2 Sumitomo Electric Industries, Ltd. (SEI)

7.2.1 Company overview

7.2.2 Company Snapshot

### 7.3 Fujikura Ltd.

7.3.1 Company overview

7.3.2 Company Snapshot

### 7.4 Multi-Fineline Electronix, Inc.

7.4.1 Company overview

7.4.2 Company Snapshot

### 7.5 Zhen Ding Technology Holding Limited (ZDT)

7.5.1 Company overview

7.5.2 Company Snapshot

### 7.6 Nitto Denko Corp.

7.6.1 Company overview

7.6.2 Company Snapshot

### 7.7 Interflex Co., Ltd.

7.7.1 Company overview

7.7.2 Company Snapshot

### 7.8 Career Technology

7.8.1 Company overview

7.8.2 Company Snapshot

### 7.9 FLEXium Interconnect, Inc.

7.9.1 Company overview

7.9.2 Company Snapshot

## 7.10 ICHIA TECHNOLOGIES Inc.

7.10.1 Company overview

7.10.2 Company Snapshot

## List Of Tables

### LIST OF TABLES

TABLE 1 WORLD SINGLE SIDED FPCBS MARKET, (\$MILLION), GROWTH (%)  
2014-2022

TABLE 2 SINGLE SIDED FPCBS MARKET for NORTH AMERICA, (\$MILLION),  
GROWTH (%) 2014-2022

TABLE 3 SINGLE SIDED FPCBS MARKET for EUROPE, (\$MILLION), GROWTH (%)  
2014-2022

TABLE 4 SINGLE SIDED FPCBS MARKET for ASIA-PACIFIC, (\$MILLION), GROWTH  
(%) 2014-2022

TABLE 5 SINGLE SIDED FPCBS MARKET for LAMEA, (\$MILLION), GROWTH (%)  
2014-2022

TABLE 6 WORLD DOUBLE SIDED FPCBS MARKET, (\$MILLION), GROWTH (%)  
2014-2022

TABLE 7 DOUBLE SIDED FPCBS MARKET for NORTH AMERICA, (\$MILLION),  
GROWTH (%) 2014-2022

TABLE 8 DOUBLE SIDED FPCBS MARKET for EUROPE, (\$MILLION), GROWTH (%)  
2014-2022

TABLE 9 DOUBLE SIDED FPCBS MARKET for ASIA-PACIFIC, (\$MILLION), GROWTH  
(%) 2014-2022

TABLE 10 DOUBLE SIDED FPCBS MARKET for LAMEA, (\$MILLION), GROWTH (%)  
2014-2022

TABLE 11 WORLD MULTILAYER FPCBS MARKET, (\$MILLION), GROWTH (%)  
2014-2022

TABLE 12 MULTILAYER FPCBS MARKET for NORTH AMERICA (\$MILLION),  
GROWTH (%) 2014-2022

TABLE 13 MULTILAYER FPCBS MARKET for EUROPE (\$MILLION), GROWTH (%)  
2014-2022

TABLE 14 MULTILAYER FPCBS MARKET for ASIA-PACIFIC (\$MILLION), GROWTH  
(%) 2014-2022

TABLE 15 MULTILAYER FPCBS MARKET for LAMEA (\$MILLION), GROWTH (%)  
2014-2022

TABLE 16 WORLD RIGID-FLEX FPCBS MARKET, (\$MILLION), GROWTH (%)  
2014-2022

TABLE 17 RIGID-FLEX FPCBS MARKET for NORTH AMERICA, (\$MILLION),  
GROWTH (%) 2014-2022

TABLE 18 RIGID-FLEX FPCBS MARKET for EUROPE, (\$MILLION), GROWTH (%)

2014-2022

TABLE 19 RIGID-FLEX FPCBS MARKET for ASIA-PACIFIC, (\$MILLION), GROWTH (%) 2014-2022

TABLE 20 RIGID-FLEX FPCBS MARKET for LAMEA, (\$MILLION), GROWTH (%) 2014-2022

TABLE 21 WORLD OTHERS FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 22 OTHERS FPCBS MARKET for NORTH AMERICA, (\$MILLION), GROWTH (%) 2014-2022

TABLE 23 OTHERS FPCBS MARKET for EUROPE, (\$MILLION), GROWTH (%) 2014-2022

TABLE 24 OTHERS FPCBS MARKET for ASIA-PACIFIC, (\$MILLION), GROWTH (%) 2014-2022

TABLE 25 OTHERS FPCBS MARKET for LAMEA, (\$MILLION), GROWTH (%) 2014-2022

TABLE 26 WORLD FPCBS MARKET for CONSUMER ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 27 NORTH AMERICA FPCBS MARKET for CONSUMER ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 28 EUROPE FPCBS MARKET for CONSUMER ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 29 ASIA-PACIFIC FPCBS MARKET for CONSUMER ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 30 LAMEA FPCBS MARKET for CONSUMER ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 31 WORLD FPCBS MARKET for AUTOMOTIVE ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 32 NORTH AMERICA FPCBS MARKET for AUTOMOTIVE ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 33 EUROPE FPCBS MARKET for AUTOMOTIVE ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 34 ASIA-PACIFIC FPCBS MARKET for AUTOMOTIVE ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 35 LAMEA FPCBS MARKET for AUTOMOTIVE ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 36 WORLD FPCBS MARKET for INDUSTRIAL ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 37 NORTH AMERICA FPCBS MARKET for INDUSTRIAL ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 38 EUROPE FPCBS MARKET for INDUSTRIAL ELECTRONICS, (\$MILLION),

GROWTH (%) 2014-2022

TABLE 39 ASIA-PACIFIC FPCBS MARKET for INDUSTRIAL ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 40 LAMEA FPCBS MARKET for INDUSTRIAL ELECTRONICS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 41 WORLD OTHERS FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 42 NORTH AMERICA FPCBS MARKET for OTHER APPLICATIONS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 43 EUROPE FPCBS MARKET for OTHER APPLICATIONS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 44 ASIA-PACIFIC FPCBS MARKET for OTHER APPLICATIONS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 45 LAMEA FPCBS MARKET for OTHER APPLICATIONS, (\$MILLION), GROWTH (%) 2014-2022

TABLE 46 NORTH AMERICA FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 47 U.S. FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 48 CANADA FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 49 MEXICO FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 50 EUROPE FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 51 U.K. FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 52 GERMANY FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 53 FRANCE FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 54 ITALY FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 55 REST of EUROPE FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 56 ASIA-PACIFIC FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 57 CHINA FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 58 INDIA FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 59 JAPAN FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 60 OCEANIA FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 61 REST of ASIA-PACIFIC FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 62 LAMEA FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 63 LATIN AMERICA FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 64 MIDDLE EAST FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 65 AFRICA FPCBS MARKET, (\$MILLION), GROWTH (%) 2014-2022

TABLE 66 NOK CORPORATION - COMPANY SNAPSHOT

TABLE 67 SUMITOMO ELECTRIC INDUSTRIES, LTD. (SEI) - COMPANY SNAPSHOT

TABLE 68 FUJIKURA LTD. - COMPANY SNAPSHOT

TABLE 69 ZHEN DING TECHNOLOGY HOLDING LIMITED (ZDT). - COMPANY SNAPSHOT

TABLE 70 ZHEN DING TECHNOLOGY HOLDING LIMITED (ZDT). - COMPANY SNAPSHOT

TABLE 71 NITTO DENKO CORP. - COMPANY SNAPSHOT

TABLE 72 INTERFLEX CO., LTD. - COMPANY SNAPSHOT

TABLE 73 CAREER TECHNOLOGY. - COMPANY SNAPSHOT

TABLE 74 FLEXIUM INTERCONNECT, INC. - COMPANY SNAPSHOT

TABLE 75 ICHIA TECHNOLOGIES INC. - COMPANY SNAPSHOT

## List Of Figures

### LIST OF FIGURES

FIG. 1 TOP IMPACTING FACTORS

FIG. 2 TOP WINNING STRATEGIES IN THE FPCBS MARKET, 2013-2016

FIG. 3 TOP WINNING STRATEGIES (%), 2013-2016

FIG. 4 TOP INVESTMENT POCKETS

FIG. 5 PORTERS FIVE FORCES ANALYSIS of FLEXIBLE PRINTED CIRCUIT BOARDS (FPCB) MARKET

FIG. 6 MARKET SHARE ANALYSIS of WORLD FPCBS MARKET, TOP PLAYERS, 2015

FIG. 7 WORLDWIDE NUMBER of MOBILE CELLULAR SUBSCRIPTIONS (PER 100 PEOPLE), 2010-2014

FIG. 8 WORLDWIDE NUMBER of SMARTPHONES SOLD TO END USERS (MILLION UNITS), 2010-2014

FIG. 9 WORLD FLEXIBLE PRINTED CIRCUIT BOARDS (FPCBS) MARKET, BY TYPE, 2015

FIG. 10 WORLD SINGLE SIDED FPCBS MARKET Y-O-Y GROWTH, 2015-2022

FIG. 11 WORLD DOUBLE SIDED FPCBS MARKET Y-O-Y GROWTH, 2015-2022

FIG. 12 WORLD MULTILAYER FPCBS MARKET, Y-O-Y GROWTH, 2015-2022

FIG. 13 WORLD RIGID-FLEX FPCBS MARKET Y-O-Y GROWTH, 2015-2022

FIG. 14 WORLD OTHERS FPCBS MARKET for Y-O-Y GROWTH, 2015-2022

FIG. 15 WORLD FLEXIBLE PRINTED CIRCUIT BOARDS MARKET BY END USER, 2015

FIG. 16 WORLD FPCBS MARKET for CONSUMER ELECTRONICS MARKET Y-O-Y GROWTH, 2015-2022

FIG. 17 WORLD FPCBS MARKET for AUTOMOTIVE ELECTRONICS, Y-O-Y GROWTH, 2015-2022

FIG. 18 WORLD FPCBS MARKET for INDUSTRIAL APPLICATIONS, Y-O-Y GROWTH, 2015-2022

FIG. 19 WORLD OTHERS FPCBS MARKET, Y-O-Y GROWTH, 2015-2022

FIG. 20 WORLD FLEXIBLE PRINTED CIRCUIT BOARDS MARKET BY GEOGRAPHY, 2015 (%)

FIG. 21 NORTH AMERICA FPCBS MARKET, Y-O-Y GROWTH, 2015-2022

FIG. 22 EUROPE FPCBS MARKET, Y-O-Y GROWTH, 2015-2022

FIG. 23 ASIA-PACIFIC FPCBS MARKET, Y-O-Y GROWTH, 2015-2022

FIG. 24 LAMEA FPCBS MARKET, Y-O-Y GROWTH, 2015-2022



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