

ASIA PACIFIC PRINTED CIRCUIT BOARD (PCB) MARKET FORECAST 2017-2025

https://marketpublishers.com/r/A96E12FD9ABEN.html

Date: November 2017 Pages: 92 Price: US\$ 1,250.00 (Single User License) ID: A96E12FD9ABEN

Abstracts

KEY FINDINGS

Asia Pacific Printed Circuit Board market is expected to rise at 3.73% CAGR during the forecast period of 207-2025. The revenue generated by the market is expected to increase from \$50956 million to \$70710 million over this period.

MARKET INSIGHTS

The Asia-Pacific market is dominated by China. The country is currently witnessing an increase in the consumer electronics segment and the expansion of manufacturing capacity within its manufacturing companies. The Chinese government can also be rightly credited for the phenomenal market growth as it supports the market through financial subsidies and nationwide tax incentives ranging from 25 to 100 percent for qualified PCB assembly suppliers. On the other hand, the Indian market is swiftly gaining momentum and is expected to showcase the highest CAGR over the forecast period. However, the intense competition leading to falling prices, irregularity in raw material pricing and several regulations on e-waste are restraining the market growth.

COMPETITIVE INSIGHTS

Epitome Components Ltd, Samsung Electronics Inc, Young Poong Electronics Co. Ltd, Isu Petasys, Zhen Ding Technology Holding Ltd, Nippon Mektron Ltd, Nanya Pcb Inc, AT&S, Daeduck Electronics, Shennan Circuits, Compeq Ltd,Ascent Circuit Private Limited, Hewlett-Packard Company, TTM Technologies, Ibiden Inc, Oki Printed Circuits Co. Ltd Unimicron Technology Corp, Tripod Technology Corporation, and Hannstar Board Technology are some of the companies that are presently ruling the market.



Contents

1. RESEARCH SCOPE

- 1.1. STUDY GOALS
- 1.2. SCOPE OF THE MARKET STUDY
- 1.3. WHO WILL FIND THIS REPORT USEFUL?
- 1.4. STUDY AND FORECASTING YEARS

2. RESEARCH METHODOLOGY

2.1. SOURCES OF DATA

- 2.1.1. SECONDARY DATA
- 2.1.2. PRIMARY DATA
- 2.2. TOP-DOWN APPROACH
- 2.3. BOTTOM-UP APPROACH
- 2.4. DATA TRIANGULATION

3. EXECUTIVE SUMMARY

- 3.1. MARKET SUMMARY
- 3.2. KEY FINDINGS

3.2.1. NEW TECHNOLOGIES PUSH REPLACEMENT DEMAND FOR ELECTRONICS

- 3.2.2. ASIA PACIFIC DOMINATES THE PCB MARKET
- 3.2.3. EPOXY RESINS LEADS THE RAW MATERIAL SEGMENT

4. MARKET DYNAMICS

- 4.1. ETYMOLOGY OF PRINTED CIRCUIT BOARDS
- 4.2. MANUFACTURING OF PCB
- 4.2.1. PATTERNING OR ETCHING
- 4.2.2. LAMINATION PROCESS
- 4.2.3. DRILLING
- 4.2.4. PLATING AND COATING
- 4.2.5. SOLDER RESIST APPLICATION
- 4.2.6. TESTING
- 4.2.7. PCB ASSEMBLING
- 4.2.8. PROTECTION AND PACKAGING



- 4.3. MARKET DEFINITION
- 4.4. MARKET DRIVERS
- 4.4.1. SMART ELECTRONICS DEMAND ON THE RISE
- 4.4.2. GROWING APPLICATIONS OF SEMICONDUCTORS
- 4.4.3. RISING USE OF ELECTRONICS IN DIVERSE APPLICATIONS
- 4.4.4. EXPLOSIVE RISE IN INTERNET USAGE
- 4.5. MARKET RESTRAINTS
- 4.5.1. COMPETITION LEADING TO FALLING PRICES
- 4.5.2. VOLATILITY IN RAW MATERIAL PRICING
- 4.5.3. REGULATIONS ON E-WASTE
- 4.6. MARKET OPPORTUNITIES
- 4.6.1. INTERCONNECTED DEVICES USING IOT OFFERING GROWTH OPPORTUNITIES
- 4.6.2. EMERGING MARKET DEMAND
- 4.6.3. AUGMENTED DEMAND OF ECO-FRIENDLY PRINTED CIRCUIT BOARDS 4.7. MARKET CHALLENGES
- 4.7.1. FRAGMENTED INDUSTRY AND RISING COMPETITION
- 4.7.2. RISE IN PRICE OF RAW MATERIAL

5. MARKET BY RAW MATERIALS

- 5.1. EPOXY RESIN
- 5.2. GLASS FABRIC
- 5.3. PHENOLIC RESIN
- 5.4. KRAFT PAPER
- 5.5. OTHER RAW MATERIALS

6. MARKET BY SUBSTRATE

- 6.1. STANDARD MULTILAYER
- 6.2. FLEXIBLE CIRCUITS
- 6.3. HIGH-DENSITY INTERCONNECT (HDI)
- 6.4. IC
- 6.5. RIGID 1-2 SIDED
- 6.6. RIGID FLEX

7. MARKET BY APPLICATION

7.1. COMMUNICATIONS



- 7.2. CONSUMER ELECTRONICS
- 7.3. INDUSTRIAL ELECTRONICS
- 7.4. AUTOMOTIVE
- 7.5. MILITARY
- 7.6. OTHER APPLICATIONS

8. KEY ANALYTICS

8.1. PORTER'S FIVE FORCE ANALYSIS 8.1.1. THREAT OF NEW ENTRANTS 8.1.2. THREAT OF SUBSTITUTE 8.1.3. BARGAINING POWER OF SUPPLIERS 8.1.4. BARGAINING POWER OF BUYERS 8.1.5. INTENSITY OF COMPETITIVE RIVALRY 8.2. LEGAL, POLICY AND REGULATORY FRAMEWORK 8.3. VALUE CHAIN ANALYSIS 8.3.1. RESIN & FIBER SUPPLIERS 8.3.2. LAMINATORS & MANUFACTURERS 8.3.3. DISTRIBUTORS AND RETAILERS 8.3.4. END USERS **8.4. OPPORTUNITY MATRIX** 8.5. KEY BUYING CRITERIA 8.5.1. APPLICATION 8.5.2. RELIABILITY 8.5.3. COST

9. GEOGRAPHICAL ANALYSIS

- 9.1. CHINA
- 9.2. JAPAN
- 9.3. INDIA
- 9.4. SOUTH KOREA
- 9.5. REST OF ASIA PACIFIC

10. COMPETITIVE LANDSCAPE

10.1. MARKET SHARE ANALYSIS10.2. KEY COMPANY ANALYSIS10.2.1. TTM TECHNOLOGIES, INC.



- 10.2.2. COMPEQ MANUFACTURING CO. LTD.
- 10.2.3. UNIMICRON TECHNOLOGY CORPORATION
- 10.2.4. AT&S
- 10.2.5. ISU PETASYS CORPORATION
- 10.3. CORPORATE STRATEGIES
- 10.3.1. PRIMARY STRATEGY: ACQUISITION
- 10.3.2. SECONDARY STRATEGY: COLLABORATION
- 10.3.3. LIST OF KEY COMPETITIVE STRATEGIES
- 10.4. COMPANY PROFILES
- 10.4.1. ASCENT CIRCUIT PRIVATE LIMITED
- 10.4.2. AT&S
- 10.4.3. COMPEQ LTD
- 10.4.4. DAEDUCK ELECTRONICS
- 10.4.5. EPITOME COMPONENTS LTD.
- 10.4.6. HANNSTAR BOARD TECHNOLOGY
- 10.4.7. HEWLETT-PACKARD COMPANY
- 10.4.8. IBIDEN INC.
- 10.4.9. ISU PETASYS
- 10.4.10. NANYA PCB INC
- 10.4.11. NIPPON MEKTRON, LTD.
- 10.4.12. OKI PRINTED CIRCUITS CO. LTD.
- 10.4.13. SAMSUNG ELECTRONICS INC
- 10.4.14. SHENNAN CIRCUITS
- 10.4.15. TRIPOD TECHNOLOGY CORPORATION
- 10.4.16. TTM TECHNOLOGIES
- 10.4.17. UNIMICRON TECHNOLOGY CORP
- 10.4.18. YOUNG POONG ELECTRONICS CO. LTD
- 10.4.19. ZHEN DING TECHNOLOGY HOLDING LTD

TABLE LIST

TABLE 1: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, 2017-2025 (IN \$ MILLION)

TABLE 2: SOME ELECTRONIC DEVICES SALES GROWTH FOR THE YEARS 2015& 2023

TABLE 3: INTERNET USERS BY REGION (IN %)

TABLE 4: WASTE GENERATED FROM MULTILAYER PRINTED CIRCUIT BOARD MANUFACTURING PROCESS

TABLE 5: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY RAW



MATERIALS, 2017-2025 (IN \$ MILLION)

TABLE 6: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY SUBSTRATE, 2017-2025 (IN \$ MILLION)

TABLE 7: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY APPLICATION, 2017-2025 (IN \$ MILLION)

TABLE 8: REGULATORY FRAMEWORK OF PRINTED CIRCUIT BOARDS MARKET TABLE 9: OPPORTUNITY MATRIX OF PRINTED CIRCUIT BOARDS MARKET TABLE 10: ASIA PACIFIC PRINTED CIRCUIT BOARDS MARKET, BY COUNTRY, 2017-2025 (IN \$ MILLION)

TABLE 11: PRODUCTION OF ELECTRONICS AND IT-ITES INDUSTRY (VALUE IN RS CRORE)

TABLE 12: LIST OF KEY COMPETITIVE STRATEGIES IN PRINTED CIRCUIT BOARDS MARKET

FIGURE LIST

FIGURE 1: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY SUBSTRATES, 2016 & 2025 (IN \$ MILLION)

FIGURE 2: ASIA PACIFIC PRINTED CIRCUIT BOARDS MARKET, 2017-2025 (IN \$ MILLIONS)

FIGURE 3: ASIA PACIFIC PRINTED CIRCUIT BOARDS MARKET, BY EPOXY RESINS, 2017-2025 (IN \$ MILLIONS)

FIGURE 4: EVOLUTION AND TRANSITION OF PRINTED CIRCUIT BOARD FIGURE 5: NUMBER OF WORLDWIDE SMARTPHONE USERS, 2015-2020 (IN BILLION)

FIGURE 6: NUMBER OF TABLET USERS ACROSS THE WORLD, 2015-2020, (IN BILLIONS)

FIGURE 7: WEARABLE DEVICES MARKET ESTIMATES, 2014-2018 (IN \$ BILLION) FIGURE 8: WORLDWIDE SEMICONDUCTOR MARKET, 2017-2025 (IN \$ BILLION)

FIGURE 9: SEMICONDUCTOR DESIGN MARKET OF INDIA (\$ BILLION)

FIGURE 10: INTERNET USERS IN THE DEVELOPING NATIONS (%)

FIGURE 11: INTERNET USERS IN THE DEVELOPED NATIONS (%)

FIGURE 12: CHANGES IN COPPER PRICES \$ PER POUND

FIGURE 13: PROPORTIONS OF WASTES GENERATED FROM PRINTED CIRCUIT BOARD MANUFACTURING

FIGURE 14: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY RAW MATERIALS, 2016 & 2025 (IN %)

FIGURE 15: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY EPOXY RESIN, 2017-2025 (IN \$ MILLION)



FIGURE 16: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY GLASS FABRIC, 2017-2025 (IN \$ MILLION)

FIGURE 17: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY PHENOLIC RESIN, 2017-2025 (IN \$ MILLION)

FIGURE 18: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY KRAFT PAPER, 2017-2025 (IN \$ MILLION)

FIGURE 19: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY OTHER RAW MATERIALS, 2017-2025 (IN \$ MILLION)

FIGURE 20: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY SUBSTRATE, 2016 & 2025 (IN %)

FIGURE 21: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY STANDARD MULTILAYER, 2017-2025 (IN \$ MILLION)

FIGURE 22: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY FLEXIBLE CIRCUITS, 2017-2025 (IN \$ MILLION)

FIGURE 23: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY HIGH-DENSITY INTERCONNECT (HDI), 2017-2025 (IN \$ MILLION)

FIGURE 24: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY IC, 2017-2025 (IN \$ MILLION)

FIGURE 25: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY RIGID 1-2 SIDED, 2017-2025 (IN \$ MILLION)

FIGURE 26: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY RIGID FLEX, 2017-2025 (IN \$ MILLION)

FIGURE 27: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY APPLICATION, 2016 & 2025 (IN %)

FIGURE 28: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY

COMMUNICATIONS, 2017-2025 (IN \$ MILLION)

FIGURE 29: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY CONSUMER ELECTRONICS, 2017-2025 (IN \$ MILLION)

FIGURE 30: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY INDUSTRIAL ELECTRONICS, 2017-2025 (IN \$ MILLION)

FIGURE 31: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY AUTOMOTIVE, 2017-2025 (IN \$ MILLION)

FIGURE 32: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY MILITARY, 2017-2025 (IN \$ MILLION)

FIGURE 33: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, BY OTHER APPLICATIONS, 2017-2025 (IN \$ MILLION)

FIGURE 34: PORTER'S FIVE FORCE MODEL OF PRINTED CIRCUIT BOARDS MARKET

FIGURE 35: VALUE CHAIN ANALYSIS



FIGURE 36: KEY BUYING IMPACT ANALYSIS FIGURE 37: ASIA PACIFIC PRINTED CIRCUIT BOARD MARKET, REGIONAL OUTLOOK, 2016 & 2025 (IN %) FIGURE 38: CHINA PRINTED CIRCUIT BOARDS MARKET, 2017-2025 (IN \$ MILLION) FIGURE 39: FEATURE PHONES VS. SMARTPHONES SHIPMENTS IN JAPAN, 2014

& 2015

FIGURE 40: JAPAN PRINTED CIRCUIT BOARDS MARKET, 2017-2025 (IN \$ MILLION)

FIGURE 41: INDIA PRINTED CIRCUIT BOARDS MARKET, 2017-2025 (IN \$ MILLION) FIGURE 42: SOUTH KOREA PRINTED CIRCUIT BOARDS MARKET, 2017-2025 (IN \$ MILLION)

FIGURE 43: REST OF ASIA PACIFIC PRINTED CIRCUIT BOARDS MARKET, 2017-2025 (IN \$ MILLION)

FIGURE 44: MARKET SHARE ANALYSIS OF TOP PLAYERS IN 2016 (%)

COMPANIES MENTIONED

- 1. ASCENT CIRCUIT PRIVATE LIMITED
- 2. AT&S
- 3. COMPEQ LTD
- 4. DAEDUCK ELECTRONICS
- 5. EPITOME COMPONENTS LTD.
- 6. HANNSTAR BOARD TECHNOLOGY
- 7. HEWLETT-PACKARD COMPANY
- 8. IBIDEN INC.
- 9. ISU PETASYS
- 10. NANYA PCB INC
- 11. NIPPON MEKTRON, LTD.
- 12. OKI PRINTED CIRCUITS CO. LTD.
- 13. SAMSUNG ELECTRONICS INC
- 14. SHENNAN CIRCUITS
- 15. TRIPOD TECHNOLOGY CORPORATION
- 16. TTM TECHNOLOGIES
- 17. UNIMICRON TECHNOLOGY CORP
- 18. YOUNG POONG ELECTRONICS CO. LTD
- 19. ZHEN DING TECHNOLOGY HOLDING LTD



I would like to order

Product name: ASIA PACIFIC PRINTED CIRCUIT BOARD (PCB) MARKET FORECAST 2017-2025 Product link: <u>https://marketpublishers.com/r/A96E12FD9ABEN.html</u>

Price: US\$ 1,250.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service: <u>info@marketpublishers.com</u>

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/A96E12FD9ABEN.html</u>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name: Last name: Email: Company: Address: City: Zip code: Country: Tel: Fax: Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <u>https://marketpublishers.com/docs/terms.html</u>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970