

India PCB (Printed Circuit Board) Market By Manufacturing Type (Bare PCBs, Populated PCBs), By Application (Consumer Electronics, IT & Telecom, Defense & Aerospace, Automotive, Healthcare, Others), By Product Type (Rigid 1-2 Sided, Standard Multilayer, Flexible Circuits, HDI/ Microvia /Build Up, Rigid Flex, Others), By Segment (Rigid PCBs, Flexible PCBs), By Laminate Type (FR4, Polyamide, CEM1, Paper, Others), By Layer (Single Sided, Double Sided, Multilayer), By Region, Competition Forecast & Opportunities, 2018-2028.

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Abstracts

India PCB (Printed Circuit Board) market is expected to increase during the forecast period. Rigid PCBs are essential for the functionality of computers, tablets, smartphones, and other electronics; as a result, the expansion of the consumer electronics market in India is expected to favour the development of the PCB industry.

A printed circuit board, often known as a PCB or PC board, is made of a non-conductive material with printed or etched conductor lines. A working circuit or assembly is created by mounting electronic components on the board and connecting them with traces. PCBs are crucial because they offer sturdy support to hold components in place, electrical connections between components, and a small packaging that may be included into a product.

Miniaturization of Electronic Devices

The number of components on the printed circuit board increased because of the rapidly expanding trend of miniaturisation of electronic devices. The need for smaller, thinner, and more highly integrated printed circuit boards (PCBs) that are populated with the flip chip is predicted to increase because of this quickly expanding trend. Modern nanotechnology and microelectromechanical systems (MEMS) are becoming more widely accepted and functional in many different industries, including consumer electronics and others. The nation's demand for PCBs will increase as electronic device miniaturisation continues at its current rate.

Growing Demand for Eco-Friendly Printed Circuit Boards

Unfortunately, the imbalance that has an impact on earth's systems is exacerbated by the electronics sector. Traditional PCB manufacture relies on water, glass fibre, epoxy resin, and energy-intensive, high-emission procedures. PCBs are waste products once a product's lifecycle is over. There are currently more than 40 million tonnes of electronic waste in the world, and it is growing by 3-5% per year which includes two million tonnes of printed circuit boards waste. Inkjet and laser printing additive methods, and the limited manufacturing of biodegradable printed circuit boards, are examples of innovative ways to produce printed circuit boards that are environmentally friendly. Additionally, the introduction of a paper PCB (P-PCB) could have a positive environmental impact.

Increasing Government Support

The manufacturing process and use of PCBs in India are actively encouraged by the Indian government with the help of numerous programs, including Make in India and Digital India. By lowering administrative barriers and easing the tax code, the government hopes to encourage firms to build more domestic factories in the nation. This is anticipated to result in considerable progress across a range of end-use industries, including the automotive, electrical, etc. with a favourable impact on PCB demand.

Market Segments

India PCB (Printed Circuit Board) Market is segmented into manufacturing type, application, product type, segment, laminate type, layer, and by region. Based on manufacturing type, the market is segmented into bare PCBs and populated PCBs. Based on application, the market is segmented into consumer electronics, IT & telecom,

defense & aerospace, automotive, healthcare, and others. Based on product type, the market is segmented into rigid 1–2-sided, standard multilayer, flexible circuits, HDI/microvia /build up, rigid flex, and others. Based on segment, the market is segmented into rigid PCBs and flexible PCBs. Based on laminate type, the market is segmented into FR4, polyamide, CEM1, paper, and others. Based on layer, the market is segmented into single sided, double sided, and multilayer.

Market Players

India PCB (Printed Circuit Board) Market players include AT&S Electronics Company, Epitome Components Ltd, Shogini Technoarts Private limited, Cipsa Tec India Pvt Ltd, Sulakshana Circuits Ltd, PCB Power Limited, Hi Q Electronics Pvt Ltd, Vintek Circuit India Pvt Ltd, India Circuit Pvt Ltd, Nano Electrotech Pvt Ltd

Report Scope:

In this report, India PCB (Printed Circuit Board) Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

India PCB (Printed Circuit Board) Market, By Manufacturing Type:

Bare PCBs

Populated PCBs

India PCB (Printed Circuit Board) Market, By Application:

Consumer Electronics

IT Telecom

Defence

Aerospace

Automotive

Healthcare

Others

India PCB (Printed Circuit Board) Market, By Product Type:

Rigid 1-2 Sided

Standard Multilayer

Flexible Circuits

HDI/Microvia /Build Up

Rigid Flex

Others

India PCB (Printed Circuit Board) Market, By Segment:

Rigid PCBs

Flexible PCBs

India PCB (Printed Circuit Board) Market, By Laminate Type:

FR 4 Polyamide

CEM 1 Paper

Others

India PCB (Printed Circuit Board) Market, By Layer:

Single Sided

Double Sided

Multilayer

India PCB (Printed Circuit Board) Market, By Region:

South India

North India

West India

East India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in India PCB (Printed Circuit Board) Market.

Available Customizations:

India PCB (Printed Circuit Board) Market with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

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