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Three Ways of Printed Circuit Board Assembly by [Nishaidhijames](#)

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A printed circuit board, known as PCB, is an electronic device. This device is of vital importance and is used in many electronic components, devices and machinery. Conductive pathways are used which are laminated on non conductive sheets of ceramics etc. Printed circuit board has helps different industries in many ways hence they are very popular. Printed circuit board manufacturer therefore deal with mass production these days as it meets the demand of the industries and business as well as prove to be cost effective for them and the buyers.

These days PCBs with multiple ports are very handy and are aka printed circuit board assembly. To make the process of printed circuit board assembly much quicker the various printed circuit board manufacturer have three ways of production that helps in meeting the demands of the industry achievable. The three methods of Printed circuit board assembly are surface mount assembly, conventional PTH assembly, electro mechanical assembly. In the surface mount assembly technique components that have metal tabs are soldered to the board to increase performance and circuit densities. In the conventional PTH assembly components that have leads on them are attached in a circuit hole through drilling. This technique is expensive but creates strong bonds in the boards. The final technique, i.e. the electro-mechanical assembly it involves custom metal work, wire harness, cable assembly etc to make the printed circuit boards. Different printed circuit board manufacturer uses different techniques that help them in getting the desired product manufactured at the most cheapest rates.

Printed circuit boards are found in all electrical devices, they can be found even in your Xbox. If proper techniques are not used to make these boards then this can lead to many serious problems in the electrical devices.

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