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A Brief Documentary on Outsourcing Electronics Manufacturing Services (EMS) by Chipchecker

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There would be no offence if we say that we are living in an electronic age and we are so surrounded with these scientific miracles embedded with chips known as electronic gadgets that sometime we feel that we cannot go nowhere without these. However, besides paying to electronics manufacturing services and cost incurred on assembling an easy to use device from mess of chips and electronic components, many of us are still not interested in seeing or realising the team effort behind these electronic gadgets .

What are these electronics manufacturing services?

In yesteryears, when international trade was not as open as it is today, most of electronic components manufacturing are done within the country. These services include manufacturing PCBs (printed circuit boards), OEM (original equipment manufacturers) and assembling them thereon.

As per wikipedia.org, EMS is defined as, â€œa term used for companies that design, test, manufacture, distribute and provide return/repair services forÂ electronic componentsÂ and assemblies forÂ original equipment manufacturersÂ (OEMs). The concept is also referred to as electronic contract manufacturingÂ (ECM).

Why the need for outsourcing such services arises?

The demand for these equipments is touching skies and on top of it, consumers change their taste & preference about these products like wardrobes. Even if you go to buy a microwave oven, you will see a shelf full of different brands for those. We all want a change and if a LCD can work like a computer screen, we will for sure go for that.

To make it simpler, R & D (research and development) is the lethal weapon that works behind a componentâ€™s success. Every electronic devices manufacturing company hire engineers and pay them a bag full of money to come up with new ideas. At this point, expecting them to work on basic electronic components like PCBs is something like asking a Microsoft Windowâ€™s engineer to install Windows in all systems besides performing his regular tasks, complete time wastage.

What one must check before hiring a company for electronics manufacturing services?

Ghost manufacturing: Before beholding such a big responsibly to any outsider demands gut and must not be done without legal bindings. Most of the big names want to sign up a company who can act like ghosts for them i.e. who can manufacture electronic equipments without embarking their brand names on it.

Quality of professionals: One must check, who within that unit is going to handle you project? Are they confirmedly trained or fresh on boats? In other words, if company is using cheap labour to generate heavy profits instead of expert professionals, they cannot deliver you the right quality component.

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Though outsourcing these a electronics manufacturing services can save millions (R & D costs, Manpower, Unit establishment etc.) and can get millions (profits and revenues), but if done with wrong hands, can be a disaster as well.

To know more about electronics manufacturing services , visit www.chipchecker.com

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