



Printed circuit board assembly and turnkey EMS capabilities:

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| PCB Types and Layers | Single sided, double sided, and multi-layer, rigid, flex, and flex-rigid Assemblies |
| Volume | Prototype and low to medium production volumes. With our <i>customers for life</i> philosophy, typically no order size is too small. |
| Components | SMT and through-hole. Component sizes of 01005 mm, 0201 mm, 0402 mm to 55 mm ICs. Fine pitch and high count BGAs. |
| Programming and Firmware | We maintain computing hardware and various in-circuit programming interfaces needed to load executable code (firmware) prior to full functional testing. |
| Inspection and Testing | Comprehensive inspection and testing: <ul style="list-style-type: none">• SPI, AOI, Flying probe and X-Ray equipment.• Visual inspection.• Out of the box (OOB) inspection and testing. |
| Environmental | Fully compliant with the Restriction of Hazardous Substances (RoHS) directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment. Depending on the OEM design needs, non-RoHS is available. |
| Conformal Coating | Conformal coating is a thin film which conforms to the contours of a printed circuit board (PCB) to protect the board and its components. Typically applied at 25-150 micrometres thickness. If specified, we offer a full conformal coating solution and inspection as per OEM needs and industry standards to protect PCB Assemblies against moisture, dust, chemicals, and temperature extremes. We adopt diverse coating methods of brushing, spraying, and dipping. We also offer a choice of materials including IPC handbook compliant - acrylics, silicones, and urethanes - depending upon OEM requirements. |
| Manufacturing Standards | IPC A-610 is the most widely accepted standard in the electronics industry and has earned an international reputation as the source for end-product acceptance criteria PCBA manufacturing to IPC A-610 demonstrates our commitment to product quality and reliability. Typically, we adhere to Class 1 or Class 2. Depending on the rigor needed for the OEM product, Class 3 is available. |
| Electrostatic Discharge (ESD) | Even small amounts of ESD can damage or disable sensitive electronics. Our factory is fully ESD compliant, following due processes including antistatic clothing, using a grounded wrist strap, standing on a floor mat, and wearing ESD controlling footwear when working with electronics. |

[Contact us](#) to learn how our PCBA and SMT production can bring your complex circuit board assemblies to market quickly, cost effectively, and reliably.