

PCB Assembly Services at PCB International

At PCB International, we strive to be your one-stop shop for all your printed circuit board project needs!

As part of our full package scope of service, in addition to bare PCB fabrications, we also offer PCB assembly services. The services include:

- Fabrication of bare board PCBs
- Sourcing of IC components to populate the PCBs
- Fabrication and testing of assembly stencil (included in PCB Assembly quote pricing)
- Placement and installation of IC components onto bare PCBs
- 100 percent parts inspection
- Quality workmanship
- Variety of turn times to suit your needs

All PCB Assembly projects are custom quoted to provide realistically available turn time and component availability and/or substitution requests.

Please submit your request to: Support@PCBInternational.com

When submitting your printed circuit board assembly project for custom quoting, please be sure to send the following:

1. Bare PCB Gerber Files
2. Desired array layout, if any. **Please note for PCB Assembly projects, the bare PCBs need to be in an array (even if 1UP) to allow rails and fiducials that will be utilized during the assembly process. PCB International will quote ALL bare boards for PCB Assembly projects as an array.**
3. Bill of Material (BOM); please see the Sample PCBI BOM which you can download and populate with your own part numbers and other relevant details.
4. Indicate whether you are consigning any components (shipping components from you to PCBI) in the BOM or email, or if PCBI shall procure all components for you.
5. Indicate in the BOM or email whether any components are Do Not Install (DNI) or Do Not Place (DNP). If any, specify whether PCBI shall source those components and ship them to you along with the complete/assembled boards.
6. Pick and Place file (X-Y Plot), commonly found as an Excel or .txt file format.
7. Pre-approved substitution component part numbers, if any.
8. Desired quantity and turn times. Please note PCBI can assemble partial board orders (e.g. assembly only 50 boards out of an order of 100 bare boards).

PCB Assembly Quote/Order Flow

Once you have submitted the above to PCB International, the quoting and ordering process follows as outlined below:

- A) PCB International compiles the quote which includes turn time and pricing for bare board PCBs, turn time and pricing for PCB assembly labor, and component pricing.
- B) (Optional) Components that are out of stock/backordered/near End of Life (EOL) status are noted and communicated to you for resolution.
- C) Finished quote is submitted to you; you first select a bare board quantity and turn time, then select a PCB assembly quantity and turn time.
- D) Purchase Order (PO) is submitted to PCB International. Confirmation and/or Credit Card Receipt will be sent to you.
- E) Consigned components (if any) are shipped from you to PCB International.
- F) PCB International begins the bare board fabrication / component procurement / assembly machinery programming processes.
 - a. Engineering Queries (EQs) regarding bare board and/or assembly will be transmitted to you at this time (within 24 hours of order submission) for your review and resolution.
 - b. Any changes in component status (that were not addressed in step B) will be transmitted to you. Please note the IC component market is very volatile, products go in and out of stock quickly.
 - c. Components are ordered and delivered while bare PCBs are being fabricated.
 - d. Population of bare PCBs begin with components. Any further assembly EQs will be transmitted to you at this time.
- G) Finished/assembled PCBs, along with any unassembled bare boards, are shipped to you.

We hope you find this documented work flow easy to follow and welcome you to contact PCB International with any questions and inquiries. We look forward to hear from you and assist you with all your printed circuit board project needs!

-PCB International Team



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