Seeed Fusion
Turnkey PCBA Service

Full featured PCB Assembly
10 Years of Seeed

Based in Shenzhen, China, Seeed strives to combine over 10 years of accelerated paper to product development expertise with the Silicon Valley of Hardware’s abundance of resources and bring it to the world. The Seeed Fusion service seamlessly marries convenience with full-feature capability in one simple platform.

Whether you are an educator looking for affordable manufacturing solutions or an established company seeking to reduce costs, Seeed has a competitive offering.

As trusted by
Full Feature Turnkey Solution

The Seeed Fusion PCBA service takes care of procurement, manufacturing and assembly via a simple online platform.

Parts Sourcing | PCB Manufacture
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PCB Assembly
Over 10 SMT lines
Prototype – Small batch – Mass production
Assembly from 8 to 72 hours
Expert engineering assistance
Flexible assembly capabilities

Functional Testing | Engineering Support
## Assembly Capabilities

<table>
<thead>
<tr>
<th>Assembly Types</th>
<th>PCB Types</th>
<th>Component Types</th>
<th>Soldering Types</th>
<th>Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Mount (SMT)</td>
<td>Rigid (FR4 and Aluminum)</td>
<td>0201 chip packages</td>
<td>Hand-soldering</td>
<td>Visual Inspection</td>
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<tr>
<td>Through-hole (THT)</td>
<td>Flexible PCBs</td>
<td>0.4 mm pitch BGA</td>
<td>Reflow soldering</td>
<td>X-ray, AOI and ICT</td>
</tr>
<tr>
<td>Mixed</td>
<td>Rigid-Flex PCBs</td>
<td>0.4 mm fine pitch parts</td>
<td>Selective wave soldering</td>
<td>inspection available</td>
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<tr>
<td>Single/Double Sided</td>
<td></td>
<td></td>
<td>Wave soldering</td>
<td></td>
</tr>
</tbody>
</table>

Talk to your representative for more information
Assembly Equipment

Over 10 SMT Assembly Lines
Dedicated facilities for prototype, small batch and mass production

Soldering Equipment
- 10-Temperature Zone Nitrogen Reflow Oven
- Selective Wave Soldering Machine
- Wave Soldering Machine
- Automatic Paste Applicator
- Depaneling Machine

Quality Inspection Equipment
- Offline and Online Automatic Optical Inspection (AOI)
- BGA X-ray Inspection Machine
- In-Circuit Testing (ICT) Machine
- Solder Paste Inspection (SPI) Machine
- First Article Inspection Machine

Specialized Testing Equipment
- Wireless Communication Analyzer
- Bluetooth Testing Equipment
- Automatic Test Equipment

Dedicated facilities for prototype, small batch and mass production
Sourcing Capabilities

Advanced supply chain management enables superior component sourcing from east to west, wherever your parts are from.

- **Reputable Suppliers**: International favorites including DigiKey, Mouser, ARROW, element14 and more.

- **Local Parts**: Open Parts Library (OPL) selection of over 20,000 parts. OPL parts are cheaper and choosing all parts from the OPL can accelerate PCBA lead time.

- **Partial Turnkey**: Pre-programmed or licensed parts? Contact our customer service for more information.
PCB Manufacturing Capabilities

**Quickturn PCB Service**
Low-cost and quick fabrication from just $4.90 for 10 pieces, 3 day turnaround.
- Rigid FR4, Aluminum, Flexible PCBs
- Up to 6 layers
- 6 free color options
- Detailed status updates online
- Instant Online Quoting

**Premium PCB Service**
Tailored production for the best reliability, tighter tolerances and precision manufacturing.
- In-depth design for manufacture (DFM) review
- Only the best materials and equipment from internationally recognized brands
- Ideal for even the most stringent medical, automotive, communications, industrial applications
- Instant Online Quoting

**Advanced PCB Service**
High-end advanced PCB capabilities for boards at the forefront.
- 30+ Copper layers
- High TG, Rogers high-frequency materials and more
- Rigid-flex, HDI boards, microvias, plugged vias,
- Request a quote online

Printed Circuit Boards for any application
Testing and Certification Capabilities

Functional Testing
Maximize yield and troubleshoot errors before they leave the workshop.
Test jig design and construction
Full capability testing

Design for X Engineering Expertise
Optimize the design and reduce manufacturing errors with an expert second opinion.
PCBA Design for Assembly (DFA)
PCB Design for Manufacture (DFM) and more..

Certification Handling
Professional assistance for obtaining the most popular certifications and qualifications, whether performed by a registered lab or self-certified.
FCC, CE, Telec, CPSIA and more..
Visit us now or contact us to get started.

www.seeedstudio.com/fusion_pcb.html

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