



PCB Manufacturing & Assembly Capabilities

Know JLCPCB's Capabilities & Get your PCBs Built Fast

Green

Purple

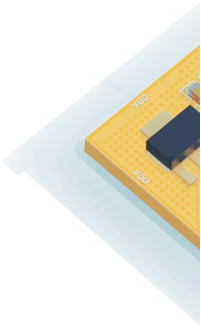
Red

Yellow

Blue

White

Black



Rigid PCB

Flex PCB

PCB Assembly

PCB Assembly Capabilities

Features	Economic PCBA	Standard PCBA
Assembly Types	Single sided placement (SMT/Thru-hole)	Single & double sided placement (SMT/Thru-hole)
PCB Layer	2,4,6-layers	1 - 32-layers
Thickness	0.8mm - 1.6mm	No limit
Dimension	Single PCB Size: 10x10mm - 470x500mm PCB Panel Size: 10x10mm - 250x250mm	Single PCB Size: 70x70mm - 460x500mm PCB Panel Size: 70x70mm - 250x250mm
Order Volume	2 - 50 pcs	2 - 80000 pcs
Surface Finish	Limited by specific options (Refer to the options for Economic PCBA in the table below)	No limit
PCB Color	Limited by specific options (Refer to the options for Economic PCBA in the table below)	No limit
Delivery Format	Single PCB, Panel with mouse bites	Single PCB, Panel with mouse bites, Panel with daisy chain
Layer Stackup	Standard stack-up only, special stack-up is not supported	All stack-up
Gold Fingers/Castellated Holes/Edge Plating	Not Support	Support
Edge Rails	Not necessary	Necessary
Fiducials	Not necessary	Necessary
Minimum Package	0402	0201
Minimum IC Pin Spacing	0.4mm	0.35mm

Minimum BGA Spacing	0.5mm(center to center)	0.35mm(center to center)
Reflow temperature	255+/-5 °C (not adjustable)	240+/-5 °C
SPI	No	Yes
AOI	Yes	Yes
Visual Inspection	Yes	Yes
X-ray Inspection	Yes (only for certain parts, such as BGA)	Yes (only for certain parts, such as BGA)
Build time	1 - 3 days	≥ 4 days

PCB Specs for Economic PCB Assembly

Layer	Thickness(mm)	Color	Surface Finish
2L	0.8	Green	HASL- Leaded/Lead free
	1	Green/Black	HASL- Leaded/Lead free
	1.2	Green/Black	HASL- Leaded/Lead free
	1.6	Green	HASL- Leaded/Lead free/ENIG
	1.6	Black	HASL- Leaded/Lead free
	1.6	Blue/Red/White/Purple	HASL- Leaded/Lead free
4L	1	Green	HASL- Leaded/Lead free
	1.2	Green	HASL- Leaded/Lead free
	1.6	Green	HASL- Leaded/Lead free/ENIG
6L	1.6	Green	ENIG

READY TO GET STARTED?

See PCB Assembly FAQs

Get Instant Quote

COMPANY

- About JLCPCB
- News
- Blog
- How we work
- Quality Management

SUPPORT

- Help Center
- Shipping Info
- How To Order
- How To Track
- Contact Us

NETWORK SITES

- EasyEDA - PCB Design Tool
- JLC3DP - 3D Printing&CNC Machining
- JLCCMC - Mechatronic Parts
- OSHWLAB - Open Source Hardware



