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Standard PCB



Advanced PCB



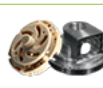
FPC/Rigid-Flex



Assembly



SMD-Stencil



CNC

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Speed

What's the difference between 'Standard' and 'Quick-Turn' PCB



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## PCB Specification Selection

[Simple tutorial \(suitable for beginners\)](#)[Online Gerber Viewer](#)PCB file (optional): MicrocontrollerInputModule.kicad\_pcb\_gerber.zip (321 kb) **100% Success****Detected 2 layers board of 31 x 111.4mm(1.22 x 4.39 inches).**

You have uploaded the file successfully and please check the parameters below. We'll continue to check all the individual layers to make sure that they're correct.

Because of the imperfect algorithm of our Gerber-to-Image tool, it may cause inaccurate display of PCB images, which does not mean there is a problem with the files. Whether your files is OK for production will be subject to our final review results.eg:cut-outs lost;Image shown is a representation only.

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Board type :

Single piece

Panel by Customer

Panel by PCBWay

Different design in panel :

1

2

3

4

5

6

e.g.

\* Size (single):

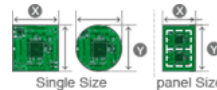
31

X

111.4

mm

inch↔mm



\* Quantity (single):

5

pcs

Layers:

1 Layer

2 Layers

4 Layers

6 Layers

8 Layers

10 Layers

12 Layers

14 Layers

Material:

FR-4

Aluminum

Rogers

HDI(Buried/blind vias)

≥4 Layers

Copper Base

\*Material model can be remarked below. HDI is available for 4-layer or more.

FR4-TG:

TG 130-140

TG 150-160

TG 170-180

S1000H TG150

S1000-2M TG170

\*The base material of 2-layer PCBs is automatically upgraded to S1000H TG150 for FREE with more stable and higher quality.

Thickness:

0.2

0.3

0.4

0.6

0.8

1.0

1.2

1.6

2.0

2.4

2.6

2.8

3.0

3.2

≥1.7-6.0 \* Unit: mm



Min track/spacing:

3/3mil

4/4mil

5/5mil

6/6mil

8/8mil ↑



Min hole size:

0.15mm

0.2mm

0.25mm

0.3mm


0.8mm ↑


1.0mm ↑

No Drill



Solder mask: ?	Green	Red	Yellow	Blue	<input type="checkbox"/> White	Black
	Purple	Matte black	Matte green	None		
Silkscreen: ?	<input type="checkbox"/> White	Black	Yellow	None		
UV printing Multi-color : ?	None	Single-sided: Top	Single-sided: Bottom	Double-sided		
	*The uploaded PCB file should contain color renderings, <a href="#">learn more &gt;&gt;</a>					
Edge connector: ?	Yes	No				
Surface finish: ?	HASL with lead	HASL lead free	Immersion gold(ENIG)	OSP	Hard gold	Immersion silver(Ag)
	Immersion tin	HASL lead free + Selective Immersion gold	HASL lead free + Selective Hard gold			
	Immersion gold + Selective Hard gold	ENEPIG	None/Plain copper			
	<input type="checkbox"/> Tick means you accept we might change "HASL" to "ENIG" at our discretion without extra charge.					
Via process: ?	Tenting vias	Plugged vias with solder mask	Vias not covered			
	*For Gerber files this choice will not affect anything, PCB will be made using the parameters of the files.					
Finished copper: ?	Bare board(0 oz Cu)	1 oz Cu	2 oz Cu	3 oz Cu	4 oz Cu	5 oz Cu
	8 oz Cu	9 oz Cu	10 oz Cu	11 oz Cu	12 oz Cu	13 oz Cu
	*Requirement of Min Track/Spacing: $\geq 3/3\text{mil}$ for sample orders, or $\geq 3.5/3.5\text{mil}$ for bulk orders.					
Remove product No. : ?	No	Yes (extra+\$ 1.5)	Specify a location			
<b>Customized Services and Advanced Options</b> (Castellated holes,Edge plating,Impedance control...) <b>More</b>						
Other special request:	Fill in any PCB details to make it as clear as possible for us to understand your requirements.					
<a href="#">+ Add PO No.</a>						

<input type="checkbox"/>  <b>SMD-Stencil</b>	Order together with PCB
---	-------------------------

<input checked="" type="checkbox"/>  <b>Assembly Service</b>	The PCBs above need assembly		
<a href="#">MicrocontrollerInputModule.kica...</a> Parts List (BOM)	<a href="#">MicrocontrollerInputModule.kica...</a> Centroid file		
3 flexible options:	<div>Turnkey PCBWay supply parts</div> <div>Kitted or Consigned Customer supply parts</div> <div>Combo You supply some parts we do the rest</div>		
Board type : ?	Single piece	Panelized PCBs	
We suggest choose to do panel if single PCB qty is more than 20pcs or any side of single board is smaller than 50mm.			
Assembly side(s): ?	Top side	Bottom side	Both sides
* Quantity: ?	1	pcs	
Please fill in total quantity of single PCBs.			
* Pay attention:	Contains sensitive components/parts ?		
	No	Yes	
	Do you accept alternatives/substitutes made in China?		
	No	Yes	
<a href="#">+ Add PO No.</a>			

This is the quantity of assembled PCBs. You have to buy 5 bare PCBs. But, you can assembly just one or two.

Other Parameters (Fill in to get the exact price, or leave it blank to wait for final quote.)

More

Customized Services and Advanced Options

Hide

Below options, their cost is not included in the online quotation

Depanel the boards to delivery: ☒ No ☐ Yes

Function test: ☒ No ☐ Yes

Conformal coating: ☒ No ☐ Yes

Firmware loading: ☒ No ☐ Yes

Press-fit assembly: ☒ No ☐ Yes

Box build assembly: ☒ No ☐ Yes

Cable wire harness assembly: ☒ No ☐ Yes

Package box: ☒ With PCBWay logo ☐ Neutral box ☐ Custom box

Number of X-ray test:

Detailed information of assembly:

Please fill in detailed technical information about the PCB assembly, other shell assembly, cable soldering, fuse wires, rivets, etc.

Price does not include PCB fabrication or the cost of components, exact quotation will be updated after all the files you uploaded pass review or contact [service10@pcbway.com](mailto:service10@pcbway.com) for help. Need a quick and accurate quote? Need an efficient production? Please read [SMT Ordering Necessary Files & Info](#) in 1 minute. Thank you very much!

Calculate

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Capabilities

- PCB Capabilities
- PCB Assembly Service
- Quick turn PCB Fabrication
- SMD Stencils
- Prototype PCBs
- Quality Control

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