

TUTORIAL :: PCB 101 :: ORDERING

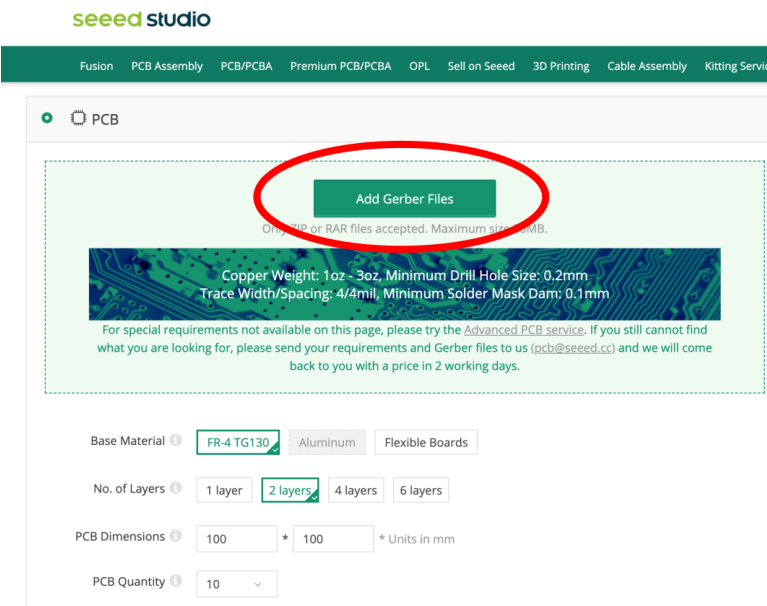
THIS TUTORIAL IS GOING TO COVER ORDERING A PRINTED CIRCUIT BOARD (PCB) OVER THE INTERNET.

IF YOU DON'T HAVE A DESIGN YET: PULL THE DESIGN YOU WANT FROM GITHUB

- Navigate to the GitHub repository here:
 - <https://github.com/brian90254/PCB>
- Click on the .ZIP file you'd like to download
- On the right hand side of the next page, click the "Download" button.

IF YOU HAVE A DESIGN: UPLOAD AND ORDER FROM SEEED FUSION

- Navigate to the Seeed Fusion website.
 - https://www.seeedstudio.com/fusion_pcb.html
- Click on the "Add Gerber Files" button.
 - When prompted, navigate to the .ZIP file for your board
 - ...then click "Open"



seeed studio

Fusion PCB Assembly PCB/PCBA Premium PCB/PCBA OPL Sell on Seeed 3D Printing Cable Assembly Kitting Service


PCB


Add Gerber Files


Only ZIP or RAR files accepted. Maximum size: 10MB.


Copper Weight: 1oz - 3oz, Minimum Drill Hole Size: 0.2mm
Trace Width/Spacing: 4/4mil, Minimum Solder Mask Dam: 0.1mm

For special requirements not available on this page, please try the [Advanced PCB service](#). If you still cannot find what you are looking for, please send your requirements and Gerber files to us (pcb@seeed.cc) and we will come back to you with a price in 2 working days.

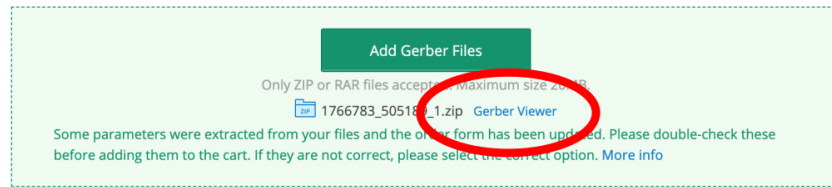
Base Material  FR-4 TG130 Aluminum Flexible Boards

No. of Layers  1 layer 2 layers 4 layers 6 layers

PCB Dimensions  100 * 100 * Units in mm

PCB Quantity  10

- Once it's uploaded, click the "Gerber Viewer" link to check your file

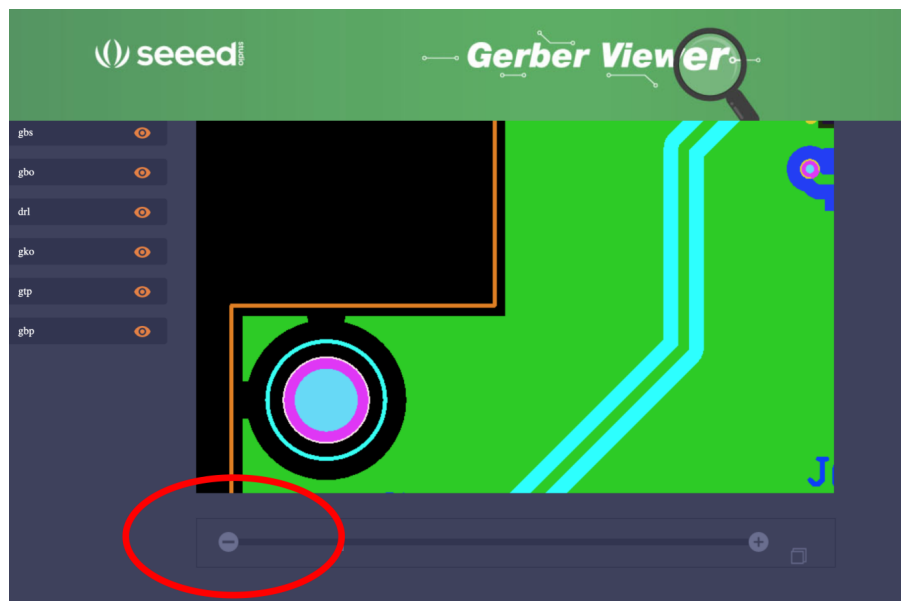


Base Material ⓘ **FR-4 TG130** Aluminum Flexible Boards

No. of Layers ⓘ 1 layer **2 layers** 4 layers 6 layers

PCB Dimensions ⓘ 123.8 * 60.3 * Units in mm **123.8 mm * 60.3mm** ⓘ

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- From the right side, scroll down until you get to the magnification setting.
- Zoom out until you can see the whole board.
- Use the cursor to move the board to the center if needed.
- Inspect for errors.



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- Check your PCB order settings:

The image shows a screenshot of a PCB configuration form. Several settings are highlighted with red circles:

- No. of Different Designs: 1
- PCB Thickness: 1.60
- PCB Color: White
- Surface Finish: HASL
- Minimum Solder Mask Dam: 0.4mm
- Copper Weight: 1oz
- Minimum Drill Hole Size: 0.3mm
- Trace Width / Spacing: 6/6 mil
- Plated Half-holes / Castellated Holes: No
- Impedance Control: No

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- Base Material: FR-4
- Number of Layers: 2 Layer
- PCB Dimensions: *should automatically pull from gerbers*
- PCB Quantity: *your choice, but minimum is 5*
- Number of Different Designs: 1
 - Note here, you can order multiple boards by adding this one design to the cart and then uploading a new set of Gerbers for a different design.
 - This setting is specific to the number of designs contained in a single set of Gerber files, which is *1*.
- PCB Thickness: 1.60 mm
- PCB Color: White
 - This is *not* default, so be sure to modify this setting.
 - White is preferred for lighting applications.
- Surface Finish: HASL
- Minimum Solder Mask Dam: 0.4 mm
- Copper Weight: 1.0 oz
- Minimum Drill Hole Size: 0.3 mm
- Trace Width / Spacing: 6/6 mil
- Plated Half-Holes: NO
- Impedance Control: NO
- Cost to build should auto-update

- Click “Add to Cart”

▼ PCB Cost

USD\$26.61

Base Material

FR-4 TG130

No. of Layers

2 layers

PCB Dimensions

123.8mm * 60.3mm

PCB Quantity

10

No. of Different Designs

1

PCB Thickness

1.60mm

PCB Color

White

Surface Finish

HASL

Minimum Solder Mask Dam

0.4mm†

Copper Weight

1oz.

Minimum Drill Hole Size

0.3mm

Trace Width / Spacing

6/6 mil

Plated Half-holes / Castellated Holes

No

Impedance Control

No

Sub-Total

USD\$26.61

Production Time ⓘ

4 ~ 5 Working Days

Weight

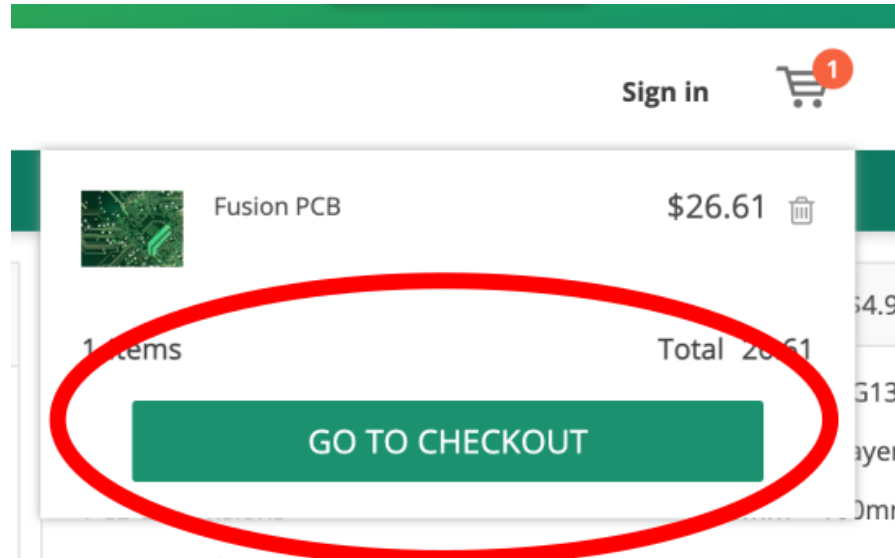
0.24kg

Shipping

Calculated at Checkout

Add to Cart

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- Add additional designs if needed by going back to the “Add Gerber Files” step.
- When ready to check out, navigate to the “Cart” button in the upper right side.
 - Click the “Cart” icon
 - Click “Go To Checkout”



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- If your order looks correct, click “Checkout Securely”
- If you haven’t already logged in or created an account, do that now...
- Complete the Shipping and Payment options.