

How to place an order on PCBMASTER

If you're looking for efficient PCB production and assembly services, PCBMASTER offers a range of fast and reliable solutions. Whether you need Quick-turn, Standard, Advanced, or FPC/Rigid-Flex PCBs, we have you covered. Here's a step-by-step guide on how to easily place your PCB and PCBA orders on PCBMASTER.

1. Choose the Right PCB Type

Start by selecting the appropriate PCB type for your needs. Here are the different PCB options we offer:

- **Quick-turn PCB:** Designed for urgent orders with short production cycles, ideal for electronic product testing. Quality standard is generally IPC Class 2, with a short delivery time. Available in 2Layer, 4Layer, 6Layer, and 8Layer options.
- **Standard PCB:** Suitable for sample testing before mass production, with a longer production cycle. Quality standard is usually IPC Class 3, and the delivery time is longer than Quick-turn. Available in 2Layer, 4Layer, 6Layer, 8Layer, and 10Layer options.
- **Advanced PCB:** Designed for complex and high-difficulty PCBs that require top-quality manufacturing. Quality standard is typically IPC Class 3 or other specialized standards like IATF 16949, ISO 9001, etc. Available in 2L-64Layer.
- **FPC/Rigid-Flex PCB:** Targeted at flexible PCBs and rigid-flex PCBs. FPC has a production time of 3-4 days, while Rigid-Flex PCBs take 6-10 days. Quality standards include IPC Class 2 and IPC Class 3. FPC supports 1Layer-10Layer, while Rigid-Flex supports 1Layer-10Layer.

The screenshot shows the PCBMASTER website interface for placing an order. The top navigation bar includes links for Home, PCB&PCBA Instant Quote, Flex PCBs, Products, Capabilities, Blog, Why Us, and Contact Us. The main content area is divided into two sections: "PCB specification parameters" and "Price and Delivery".

PCB specification parameters:

- PCB Material:** FR-4: Tg155 FR-4 (selected), Metal Core PCB, High frequency and High speed, Special material.
- Panel Way:** Single piece(PCS) (selected), Panel by customer(SET), Panel by PCBMASTER(SET).
- Size(single):** length x width mm.
- Quantity:** 0 m².
- Layers:** 2L, 4L, 6L, 8L, 10L, 12L, 14L, 16L, 18L, 20L, 22L, 24L, 26L, 28L, 30L. Red arrows point to 2L, 4L, 6L, 8L, and 10L.
- PCB thickness:** 0.2, 0.4, 0.6, 0.8, 1.0, 1.2, 1.5, 1.8, 2.0, 2.4, 2.8, 3.0, 3.2, 3.4, 3.6, 3.8, 4.0. Red arrows point to 0.2, 0.4, 0.6, 0.8, 1.0, 1.2, 1.5, 1.8, 2.0, 2.4, 2.8, 3.0, 3.2, 3.4, 3.6, 3.8, 4.0.
- Finished copper:** 1/1oz, 2/2oz, 1.5/1.5oz, 3/3oz, 4/4oz, 5/5oz, 6/6oz, 7/7oz, 8/8oz, 9/9oz, 10/10oz.

Price and Delivery:

- PCB Price:** PCB Build Time, Urgent Charge, Total Cost. The delivery date cannot be estimated.
- Shipping Cost:** Manual, UNITED STATES OF AMERICA.
- Buttons:** Reset, Add to Basket.

Red arrows from the text descriptions in the previous section point to the corresponding options in the form:

- Quick-turn PCB points to the 2L, 4L, 6L, and 8L layer options.
- Standard PCB points to the 10L layer option.
- Advanced PCB points to the 12L, 14L, 16L, 18L, 20L, 22L, 24L, 26L, 28L, and 30L layer options.
- FPC/Rigid-Flex PCB points to the 1.5mm and 1.8mm thickness options.
- PCB Assembly points to the 1/1oz, 2/2oz, 1.5/1.5oz, 3/3oz, 4/4oz, 5/5oz, 6/6oz, 7/7oz, 8/8oz, 9/9oz, and 10/10oz finished copper options.

2. Fill in PCB Basic Parameters

No matter which PCB type you select, filling out the basic parameters is the first step. You'll need to provide:

- **PCB Layers:** Choose the number of layers (e.g., 2Layer, 4Layer, etc.).
- **Material:** Select the PCB material that fits your product requirements.
- **Board Thickness:** Choose the appropriate board thickness.
- **Copper Thickness:** Select the copper thickness based on current requirements.
- **Size:** Provide the PCB size or upload Gerber files directly.
- **Additional Parameters:** If you have any special requirements, such as blind holes, micro holes, etc., you can specify them here.

The screenshot shows the 'PCB specification parameters' form. A green box highlights the 'PCB Material' section, including 'FR-4 : Tg155 FR-4', 'Metal Core PCB', 'High frequency and High speed', and 'Special material'. A green arrow points to this box with the text 'Choose PCB materials'. Another green box highlights the 'Layers' and 'PCB thickness' sections. A green arrow points to this box with the text 'Add other information'. The 'Layers' section shows '2L' selected. The 'PCB thickness' section shows '1.6' selected. The 'Finished copper' section shows '1/10Z' selected. The 'Price and Delivery' section on the right shows 'PCB Price' and 'Shipping Cost'.

PCB specification parameters **Add PCB base information**

PCB Material:

Panel Way:

Size(single): x mm

Quantity:

Layers:

Advanced PCB

Material Type: **Tg155 FR-4** (More layers? select a more advanced material or contact the service team)

PCB thickness:

Finished copper:

Order remarks: Please fill in the order notes so that we can understand your requirements as clear as possible. Note: Shipping orders together can save shipping costs. Please do not fill in your mobile phone number, phone number, WeChat and other contact information.

You can add remark here

Price and Delivery

PCB Price

PCB Build Time Urgent Charge Total Cost

The delivery date cannot be estimated

Shipping Cost Manual

UNITED STATES OF AMERICA

Please enter in the complete data for price.

The prices do not include the handling fees for PayPal, credit cards, and bank transfers

Reset Add to Basket

The screenshot shows the 'Process Options' form. A green box highlights the 'Solder mask' and 'Silkscreen' sections. A green arrow points to this box with the text 'Add other information'. The 'Solder mask' section shows 'Green' selected. The 'Silkscreen' section shows 'White' selected. The 'Surface Finish' section shows 'HASL with lead' selected. The 'Via Process' section shows 'Tenting vias' selected. The 'Quality requirements' section shows 'IPC-6012 Class 2' selected.

Process Options **Add other information**

Solder mask:

Silkscreen:

Surface Finish:

[How to Select the Right PCB Surface Finish: Essential Considerations](#)

Via Process:

[Learn more about various PCB Via Processes](#)

Quality requirements:

Advanced Options ← If you have special design, You can select here

HDI-Buried/blind vias	Customer stackup	Hybrid layer buildup-High frequency/Fr-4
Impedance control	Half-cut/Castellated Holes	Edge Plating
Gold finger	Drill-step Deep Control	Back drill deep control
Buried and embedded copper block	Buried resistance-capacitance	Print serial number
Peelable soldermask	Thermoelectric heat dissipation	Insulation for plug-in components
Copper-Aluminum mixed	Aluminum-based superconductors	Copper-based superconductors
Via filled with resin	Via filled with copper paste	Plated Via plugging
Via in pad	Circuit rework unacceptable	Hole copper thickness $\geq$ 25UM
Countersinks/Counterbores	planting gold without leadless	Precision routing $\pm$ 0.05mm
Confirm work file		

Customized Options ← Selection of customization requirements

Customer Model/Material/Order Number:

Packing requirements: **PCBMASTER Packing** Normal Packing Custom packing

UL Mark: **No Need** Yes

Shipping report: **No Need** Yes

Add or update the Date Code: **No Need** Need Add Need Update

☒ PCB

- Base
- Process
- Advanced
- Customized

☐ Assembly

Gold finger	Drill-step Deep Control	Back drill deep control
Buried and embedded copper block	Buried resistance-capacitance	Print serial number
Peelable soldermask	Thermoelectric heat dissipation	Insulation for plug-in components
Copper-Aluminum mixed	Aluminum-based superconductors	Copper-based superconductors
Via filled with resin	Via filled with copper paste	Plated Via plugging
Via in pad	Circuit rework unacceptable	Hole copper thickness $\geq$ 25UM
Countersinks/Counterbores	planting gold without leadless	Precision routing $\pm$ 0.05mm
Confirm work file		

Customized Options

Customer Model/Material/Order Number:

Packing requirements: **PCBMASTER Packing** Normal Packing Custom packing

UL Mark: **No Need** Yes

Shipping report: **No Need** Yes

Add or update the Date Code: **No Need** Need Add Need Update

Price and Delivery

PCB Price

PCB Build Time	Urgent Charge	Total Cost
The delivery date cannot be estimated		

Shipping Cost Manual

UNITED STATES OF AMERICA

Please enter in the complete data for price.

The prices do not include the handling fees for PayPal, credit cards, and bank transfers

Reset Add to Basket

If you only need a pcb order. After completing all the information. Please :Add to Basket" and upload the PCB file.

3. Submit PCB Files

Once you've filled out the basic parameters, click "Add to Basket" and upload your PCB files (e.g., Gerber files). After confirming that all details are correct, proceed to the Cart page and wait for the order to be reviewed.

Submit Your PCB File

+ Add your pcb files

Please upload .pcb .pcbdoc .cam .ddb and gerber File Compression Package .rar or .zip or .7z Max 20M

Upload PCB file and submit

Submit

Do you have any problem uploading? You can skip this step and email your data files to service@pcbmaster.com

4. Choose PCB Assembly Service (PCBA)

If you need PCB assembly services (including programming, IC binding, PCBA testing, etc.), select the PCB Assembly Service. You'll need to fill in the following information:

- **Basic Assembly Information:** This includes the board size, quantity, material, etc.
- **Assembly Type:** Choose between SMT, THT, etc.
- **Special Requirements:** Specify any customization, such as component selection, soldering methods, etc.
- **Submit BOM and Pick and Place Files:** The BOM file lists all components used, and the Pick and Place file specifies the placement of components.

PCB

Base

Process

Advanced

Customized

Assembly

Via in pad

Circuit rework unacceptable

Hole copper thickness: 25UM

Countersinks/Counterbores

plating gold without leadless

Precision routing: 0.05mm

Confirm work file

Customized Options

Customer Model/Material/Order Number:

Packing requirements: PCBMASTER Packing Normal Packing Custom packing

UL Mark: No Need Yes

Shipping report: No Need Yes

Add or update the Date Code: No Need Need Add Need Update

PCB Assembly Service If you need PCB assembly service please select here, The above - mentioned PCBs require PCB assembly

Price and Delivery

PCB Price

PCB Build Time	Urgent Charge	Total Cost
13 days		\$11.00

Shipping Cost (0.002 kg) \$27.00

UNITED STATES OF AMERICA

DHL 2-4 business days Weight: 0.002 kg

\$11.00 + \$27.00 Shipping Cost

The prices do not include the handling fees for PayPal, credit cards, and bank transfers

Reset Add to Basket

Manufacturing process

Select special requirement here

SMD stencil shipped with the order

Line/Pad Add Tinning

Solder through-hole penetration

Thermal conductive adhesive

Conformal coating

Electronic device baking

Function test

Program burning

PCB assembly first piece confirm:

Photo Confirmation

Send sample

No Need

Assembly side(s):

Single side

Both sides

PCB type:

Rigid PCB

Flexible PCB

Rigid-Flex Board

Process requirements:

HASL lead free

Submit Your PCB File

Upload PCB assembly files



+ Add your pcb files **PCB file**

Please upload .pcb .pcbdoc .cam .ddb and gerber File Compression Package .rar or .zip or .7z Max 20M



+ Add your Bom file **BOM file**

Please upload the file compression package .rar or .zip or .7z Max 20M



+ Add your Pick and place files **Pick and Place file**

Please upload the file compression package .rar or .zip or .7z Max 20M

Skip Emails Later

Submit

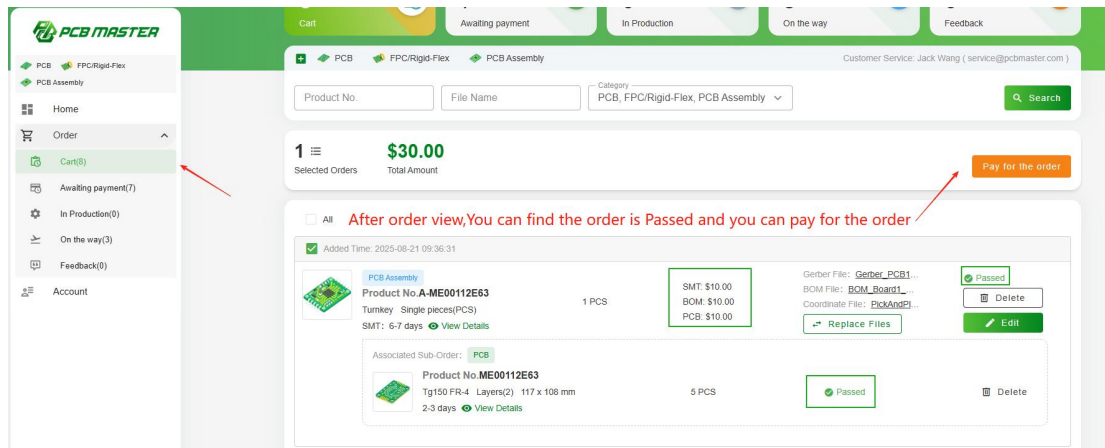
Do you have any problem uploading? You can skip this step and email your data files to service@pcbmaster.com

5. Review and Pay for Your Order

Once you've completed all the required fields and submitted your PCB and PCBA files, you can proceed to the Cart page for review. After approval, you can pay for your order using one of the following methods:

- PayPal
- Credit Card
- Bank Transfer

Once payment is successfully processed, your order will be confirmed, and PCB production and assembly will begin.



Conclusion

With PCBMASTER, you can easily complete the entire process from PCB design to assembly. Whether you need fast Quick-turn production or high-quality Advanced PCBs, we can provide the best service for your needs. By following the steps above, you can quickly place your order and ensure your project runs smoothly. If you have any questions or special requests, feel free to [contact our customer service](#), and we'll be happy to assist you!