

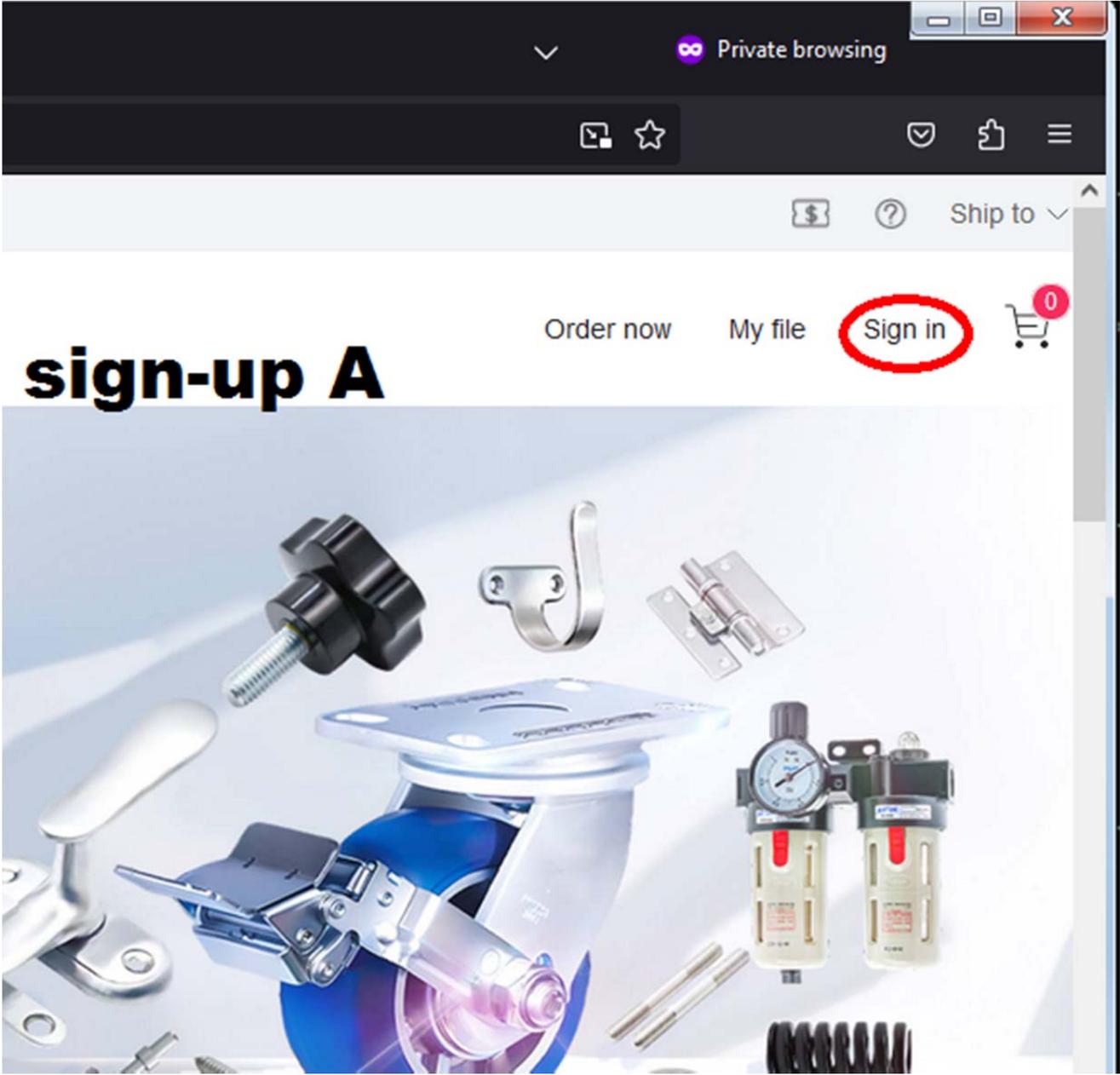
Using Gerber files to order PCBs from JLCPCB.com

A walkthrough

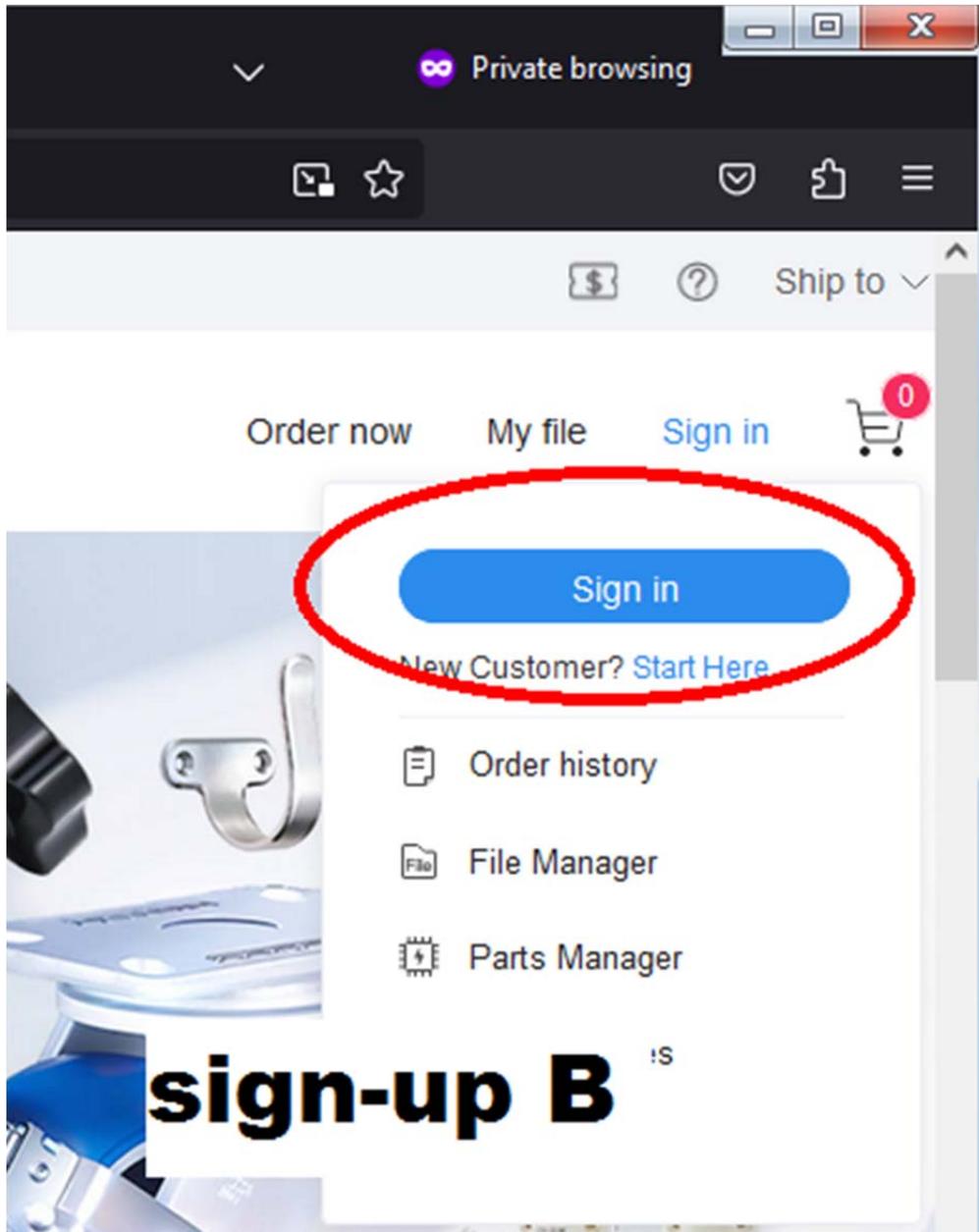
Verified and correct as of 28 October 2023

(but who knows what may change in the future)

Open your browser and navigate to JLCPCB.com . You will now sign up to be a registered user of JLCPCBs website.



Hover your mouse over the “Sign in” menu at top right. Then when the New Customer? prompt appears, click on “Start Here”



JLCPCB asks you to create a username and choose a password for their website.

Create your account

Already have an account? [Log in](#)

Please enter your username

 I'm not a robot 

I agree to JLCPCB's [Terms of Use](#) and [Privacy Policy](#)

sign-up C

Fill in all the text boxes, agree to the terms, and click Sign Up. JLCPCB sends a confirmation email to the email address you typed, and you click a link in that email.

sign-up D

Create your account

Already have an account? [Log in](#)



I'm not a robot



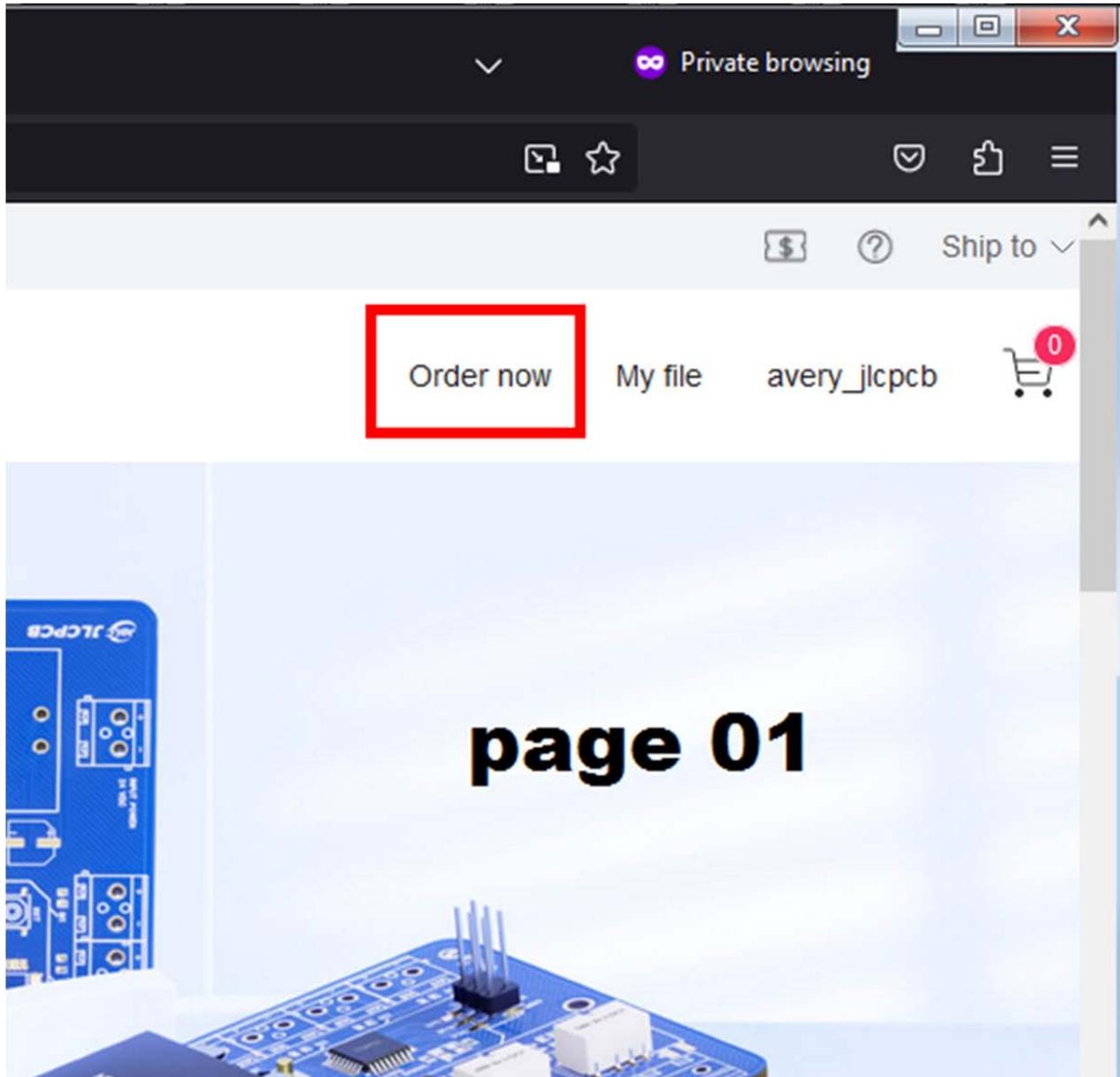
I agree to JLCPCB's [Terms of Use](#) and [Privacy Policy](#)

Sign Up

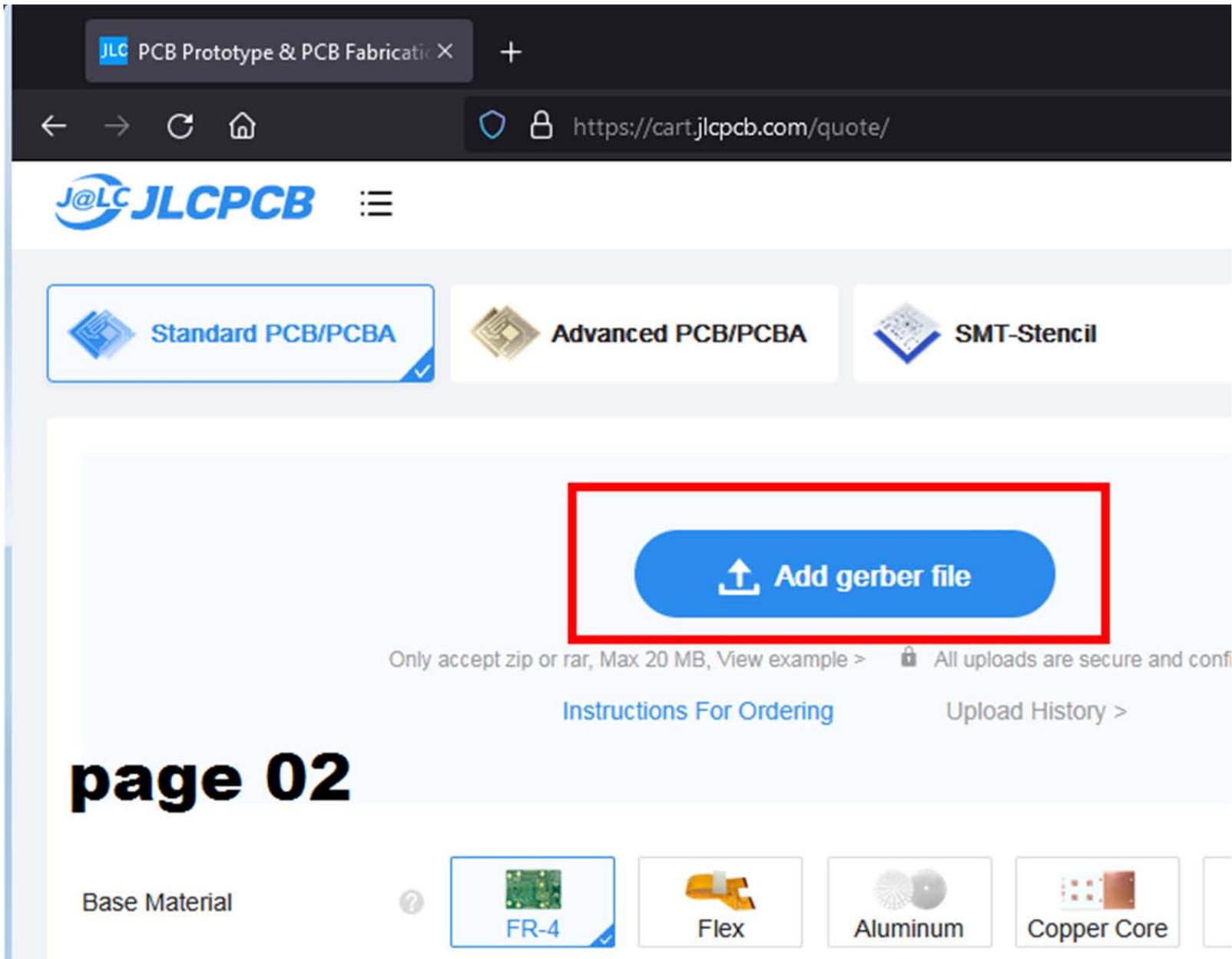


Sign in with Google

You're signed up! Log in to JLCPCB.com with your username and password, then click Order now at the top right.

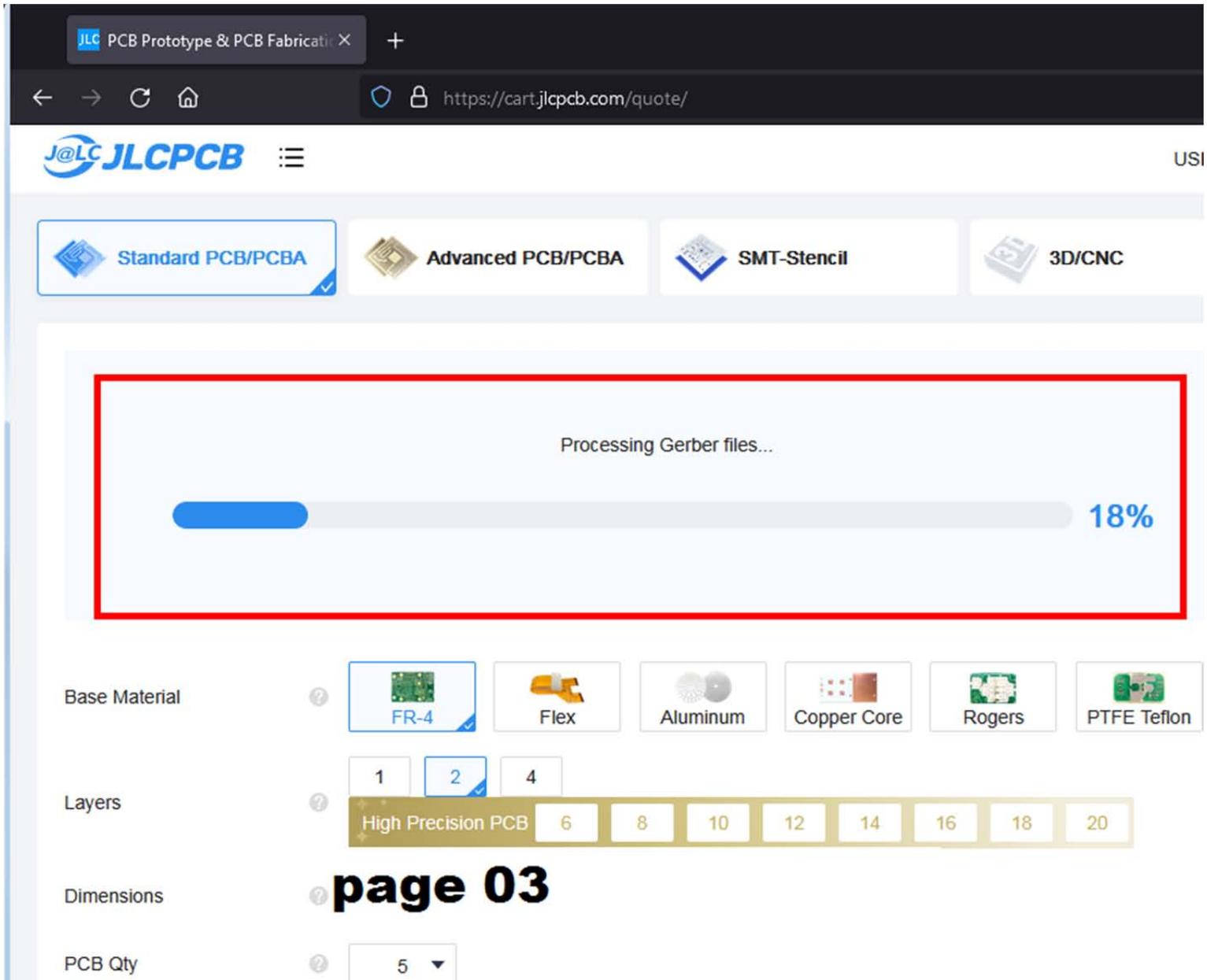


Click on “Add gerber file” and provide the location of your Gerber .zip archive. Here we use the “PhaseDots” project Gerbers and build 25 copies of the PhaseDots PCB



The screenshot shows the JLCPCB website interface. At the top, the browser address bar displays the URL <https://cart.jlcpb.com/quote/>. The JLCPCB logo is visible in the top left. Below the logo, there are three main service categories: **Standard PCB/PCBA** (highlighted with a blue checkmark), **Advanced PCB/PCBA**, and **SMT-Stencil**. In the center of the page, a blue button with a white upload icon and the text **Add gerber file** is highlighted with a red rectangular border. Below this button, there is a note: "Only accept zip or rar, Max 20 MB, View example >" and a security notice: "All uploads are secure and confi". Further down, there are links for [Instructions For Ordering](#) and [Upload History >](#). At the bottom left, the text **page 02** is displayed. The bottom section shows the **Base Material** selection area with a question mark icon and four options: **FR-4** (highlighted with a blue checkmark), **Flex**, **Aluminum**, and **Copper Core**.

JLCPCB's website uploads your Gerber .zip archive and displays a progress bar



The screenshot shows the JLCPCB website interface. At the top, the browser address bar displays <https://cart.jlpcb.com/quote/>. The JLCPCB logo is visible in the top left, and 'US' is in the top right. Below the logo is a navigation bar with four categories: 'Standard PCB/PCBA' (selected), 'Advanced PCB/PCBA', 'SMT-Stencil', and '3D/CNC'. The main content area features a progress bar titled 'Processing Gerber files...' with a blue bar indicating 18% completion. Below the progress bar are configuration options: 'Base Material' (FR-4, Flex, Aluminum, Copper Core, Rogers, PTFE Teflon), 'Layers' (1, 2, 4, High Precision PCB, 6, 8, 10, 12, 14, 16, 18, 20), 'Dimensions', and 'PCB Qty' (5). A large, bold, black watermark 'page 03' is overlaid on the bottom right of the configuration section.

Now JLCPCB asks you to specify your order in great detail. How many boards, what color, how thick, gold or no-gold, etc. These are my choices for the PhaseDots PCBs:

The image shows a screenshot of the JLCPCB quote configuration page. The browser address bar shows the URL <https://cart.jlpcb.com/quote/>. The page is divided into several sections:

- Base Material:** FR-4 (highlighted), Flex, Aluminum, Copper Core, Rogers, PTFE Teflon.
- Layers:** 1, 2 (highlighted), 4, High Precision PCB, 6, 8, 10, 12, 14, 16, 18, 20.
- Dimensions:** 45.72 * 96.52. A red arrow points to these values with the text: "JLCPCB calculates the X and Y dimensions from your Gerbers".
- PCB Qty:** 25 (highlighted). A red box around it contains the text: "this order is for many copies".
- Product Type:** Industrial/Consumer electronics (highlighted), Aerospace, Medical.
- PCB Specifications:**
 - Different Design:** 1 (highlighted), 2, 3, 4.
 - Delivery Format:** Single PCB (highlighted), Panel by Customer, Panel by JLCPCB.
 - PCB Thickness:** 0.4, 0.6, 0.8, 1.0, 1.2, 1.6 (highlighted), 2.0.
 - PCB Color:** choose one. Options: Green (highlighted), Purple, Red, Yellow, Blue, White, Black.
 - Silkscreen:** White (highlighted).
 - Surface Finish:** HASL(with lead) (highlighted), LeadFree HASL, ENIG. A red arrow points to ENIG with the text: "gold -- more expensive".
- High-spec Options:**
 - Outer Copper Weight:** 1 oz (highlighted), 2 oz.

page 04

At the top right, JLCPCB asks one more question and then tells you the fab cost to build these boards. **WARNING:** shipping cost is not included in fab cost. Click SAVE.

The screenshot shows a web browser window in private browsing mode. The page displays a pricing breakdown for PCB manufacturing. The 'Charge Details' section lists: Engineering fee (\$4.00), Via Covering (\$0.00), Surface Finish (\$0.00), and Board (\$8.30). Below this, the 'Build Time' section is highlighted with a red box and contains the text 'Build Time ? not including shipping!!'. Two options are shown: 'PCB : 2 days' (selected with a blue checkmark, \$0.00) and '24 hours' (unselected, \$7.10). The 'Calculated Price' is shown as \$12.30. A link for a special offer is present. At the bottom, a blue 'SAVE TO CART' button is highlighted with a red box. The page footer reads 'page 05 estimate'.

Item	Price
Engineering fee	\$4.00
Via Covering	\$0.00
Surface Finish	\$0.00
Board	\$8.30
Build Time	not including shipping!!
PCB : 2 days (selected)	\$0.00
24 hours	\$7.10
Calculated Price	\$12.30

[Get Special offer by EasyEDA project >](#)

Additional charges may apply for [special cases](#)

SAVE TO CART

page 05 estimate

You have saved this PCB order, including all of your choices (quantity, color, thickness, no-gold, etc) into your shopping cart. Now open your shopping cart and buy!

The screenshot shows a web browser window in private browsing mode. The browser's address bar contains the text 'next step' in red. Below the browser, the website header includes 'USDShip to', 'Order now', 'My file', and 'avery_jlpcb'. A shopping cart icon with a red circle and the number '1' is highlighted. The main content area is titled 'page 06' and displays a list of items. The first item is 'Gerbers_for_Re...' with a quantity of '25pcs' and a price of '\$12.30'. Below the item list is a blue 'View Cart' button. The 'Build Time' section shows two options: '2 days' (selected) for '\$0.00' and '24 hours' for '\$7.10'. A red text overlay states 'fab cost not including shipping'. At the bottom, a red-bordered box highlights the 'Calculated Price' as '\$12.30'. A link for 'Get Special offer by FasvFDA nriect >' is visible at the very bottom.

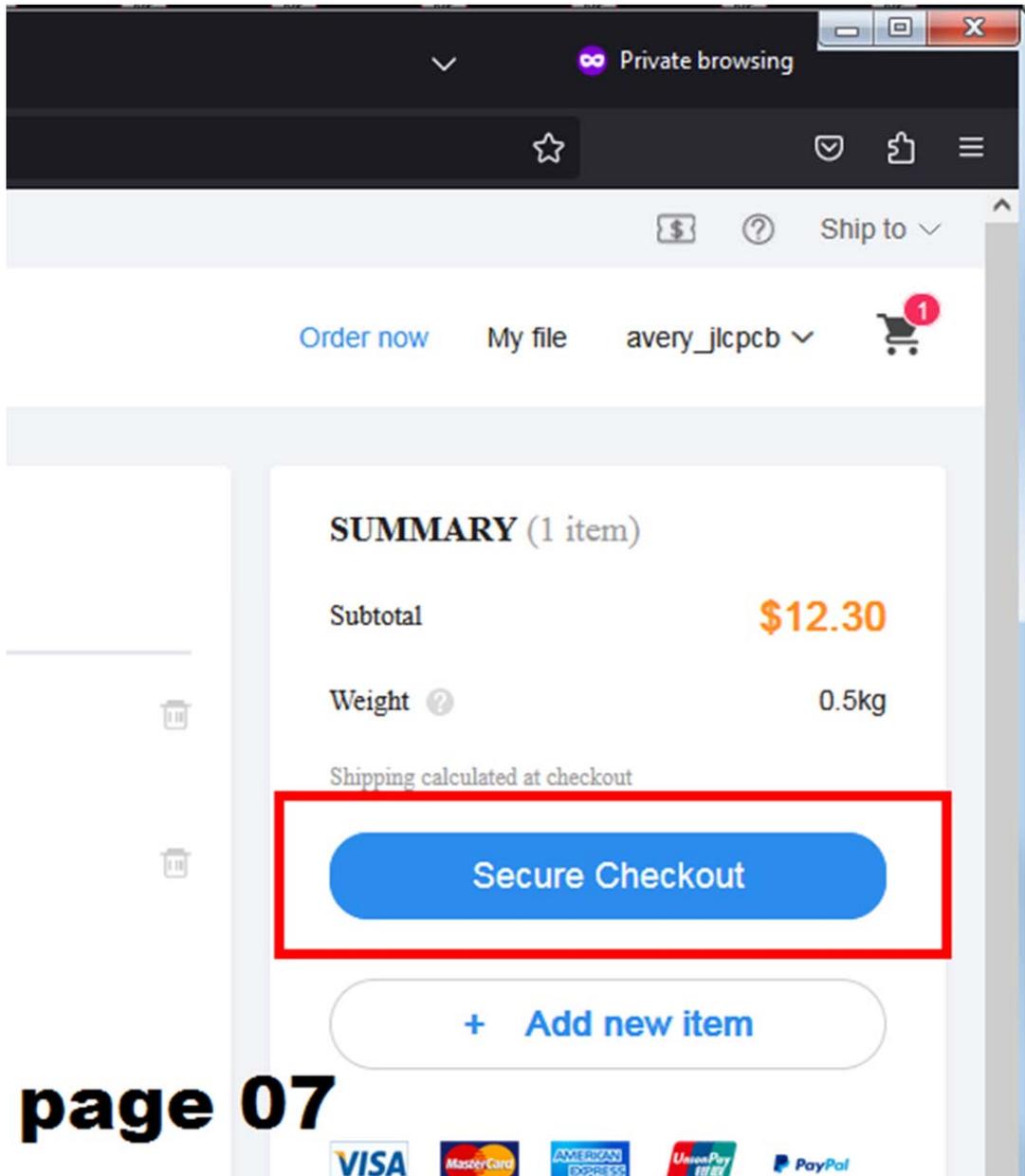
Item	Quantity	Price
Gerbers_for_Re...	25pcs	\$12.30

fab cost not including shipping

Calculated Price	\$12.30
-------------------------	----------------

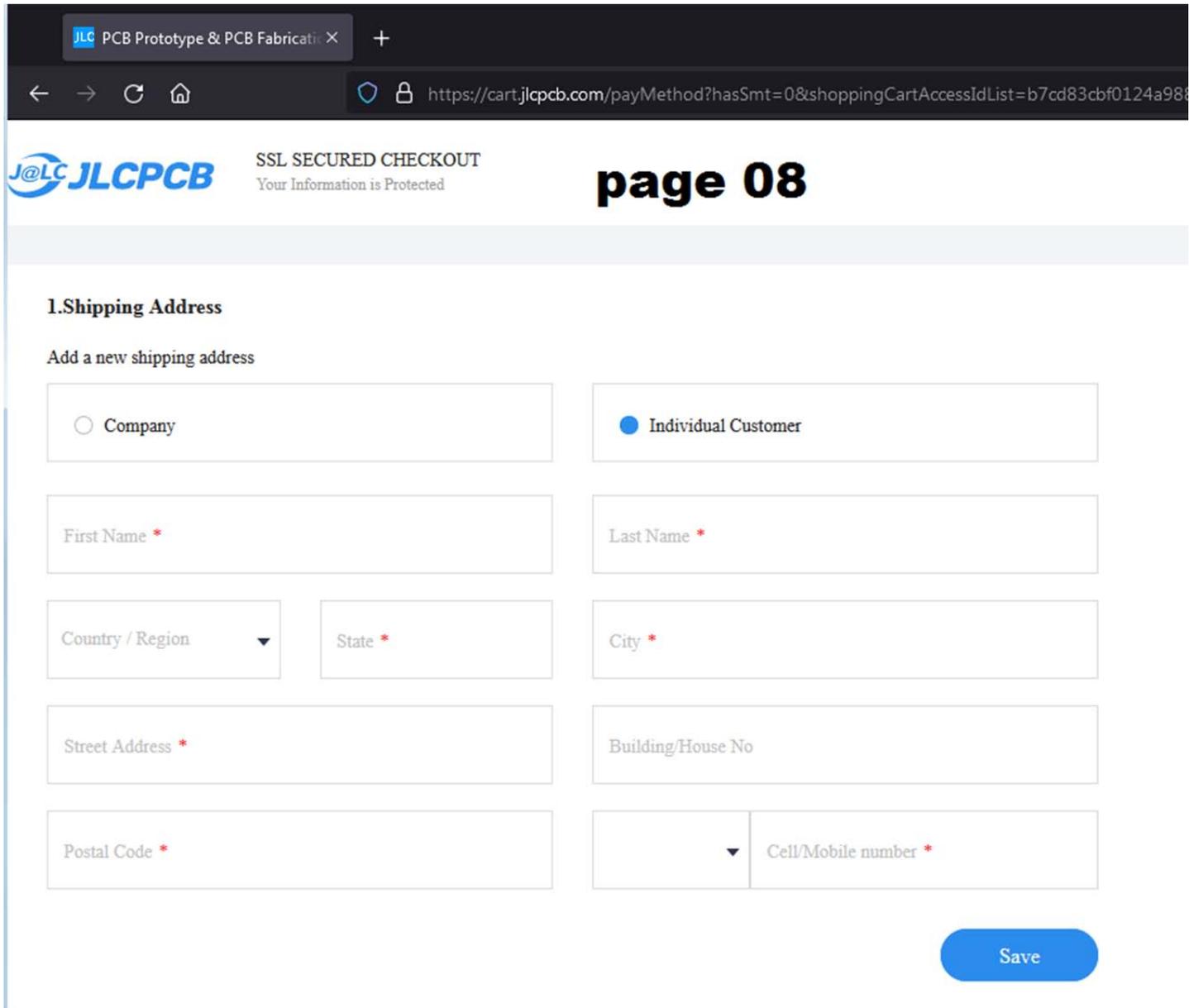
Get Special offer by FasvFDA nriect >

The shopping cart contains your order. Let's now go to checkout, give our shipping info, and pay for the boards + shipping. Click on Secure Checkout.



page 07

JLCPCB asks for the address where you want the PCBs shipped. Study the questions below and have your answers ready.



The screenshot shows a web browser window with the JLCPCB logo and "SSL SECURED CHECKOUT" text. The page title is "page 08". The main heading is "1. Shipping Address" with the instruction "Add a new shipping address". The form includes radio buttons for "Company" and "Individual Customer" (selected). Fields include "First Name *", "Last Name *", "Country / Region" (dropdown), "State *", "City *", "Street Address *", "Building/House No", "Postal Code *", and "Cell/Mobile number *". A blue "Save" button is at the bottom right.

JLCPCB PCB Prototype & PCB Fabrication X

SSL SECURED CHECKOUT
Your Information is Protected

page 08

1. Shipping Address

Add a new shipping address

Company Individual Customer

First Name * Last Name *

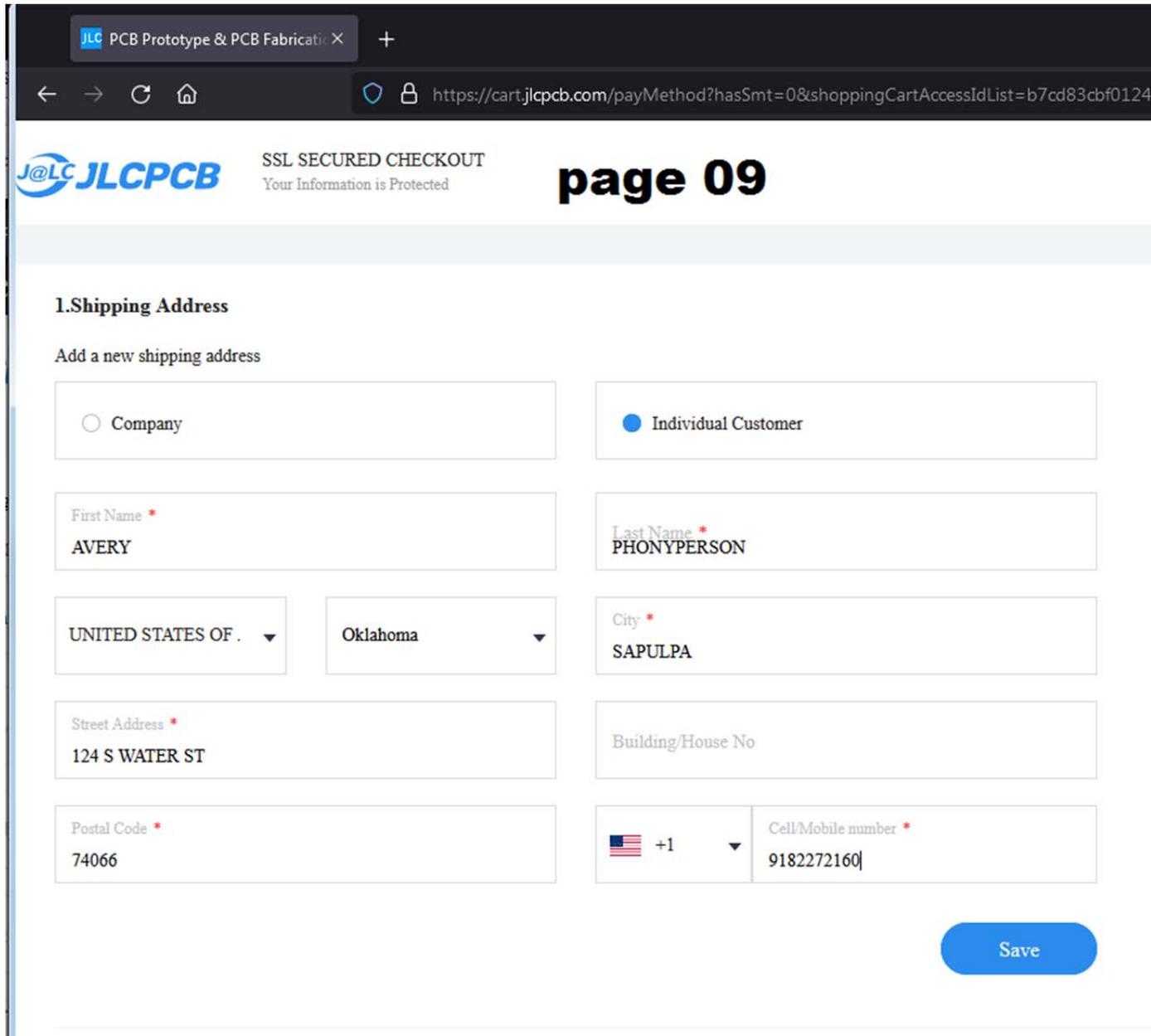
Country / Region ▼ State * City *

Street Address * Building/House No

Postal Code * Cell/Mobile number *

Save

I have provided fictitious information for A Very Phony Person , the new JLC customer. You should provide correct information about yourself and your ship-to address.



The screenshot shows a web browser window with the following details:

- Browser tabs: JLC PCB Prototype & PCB Fabricati
- Address bar: <https://cart.jlcpb.com/payMethod?hasSmt=0&shoppingCartAccessIdList=b7cd83cbf0124>
- Page Header: J@LC JLCPCB SSL SECURED CHECKOUT Your Information is Protected page 09

The main content area is titled "1. Shipping Address" and includes the instruction "Add a new shipping address". The form contains the following fields:

- Customer Type: Company, Individual Customer
- First Name *: AVERY
- Last Name *: PHONYPERSON
- Country: UNITED STATES OF (dropdown)
- State: Oklahoma (dropdown)
- City *: SAPULPA
- Street Address *: 124 S WATER ST
- Building/House No: (empty)
- Postal Code *: 74066
- Country Code: +1 (dropdown with US flag)
- Cell/Mobile number *: 9182272160

A blue "Save" button is located at the bottom right of the form.

Provide the credit card billing address / the PayPal billing address. (Avery Phonyperson's billing address happens to be the same as his shipping address.)

The screenshot shows a web browser window with the URL <https://cart.jlcpb.com/payMethod?hasSmt=0&shoppingCartAccessIdList=b7cd83cbf0124a988205e72f1c941b>. The page is titled "SSL SECURED CHECKOUT" and "Your Information is Protected". The JLCPCB logo is visible in the top left. The page number "page 10" is displayed in the top right. The main content area is titled "1. Shipping Address" and contains two sections: "Shipping Information" and "Billing Information".

Shipping Information

- AVERY PHONYPERSON | 124 S WATER ST, SAPULPA, Oklahoma, 74066, UN... Default
- [+Add new shipping address](#)

Billing Information

- Same as shipping address
- Add new billing address

At the bottom right, there is a "Back to Cart" link and a blue "Continue" button.

Select one of the freight company shipping options that JLCPCB offers. You can watch the fees change as you rotate among the various shipping options.

The screenshot shows the JLCPCB checkout page. At the top, there is a browser tab for 'JLC PCB Prototype & PCB Fabricati' and a URL: 'https://cart.jlcpb.com/payMethod?hasSmt=0&shoppingCartAccessIdList=b7cd83cbf0124a988205e'. The page header includes the JLCPCB logo, 'SSL SECURED CHECKOUT Your Information is Protected', and 'page 11'. The main content is divided into sections: '1. Shipping Address' and '2. Shipping Method'. The 'Shipping Address' section includes 'Shipping Information' and 'Billing information', both with the address: 'AVERY PHONYPerson 9182272160, 124 S WATER ST SAPULPA Oklahoma 74066 UNITED STATES OF AMERICA'. The 'Shipping Method' section is highlighted with a red box and contains a list of options: 'CPT (Carriage paid to a named destination, duty, customs and taxes fee collected at the time of delivery)', 'DHL Express Worldwide (2-4 business days)', 'DHL Express Economy (3-5 business days)', 'UPS Express Saver (3-5 business days)', 'FedEx International Priority packet (4-6 business days)', and 'Global Standard Direct Line (8-14 business days)'. A red arrow points from the 'select one of these options' text to the shipping method options, and another red arrow points from the 'watch the shipping fees change' text to the shipping address section.

watch the shipping fees change

select one of these options

1.Shipping Address Change

Shipping Information

AVERY PHONYPerson 9182272160
124 S WATER ST SAPULPA Oklahoma 74066 UNITED STATES OF AMERICA

Billing information

AVERY PHONYPerson 9182272160
124 S WATER ST SAPULPA Oklahoma 74066 UNITED STATES OF AMERICA

2.Shipping Method

CPT (Carriage paid to a named destination, duty, customs and taxes fee collected at the time of delivery)

- DHL Express Worldwide 2-4 business days
- DHL Express Economy 3-5 business days
- UPS Express Saver 3-5 business days
- FedEx International Priority packet 4-6 business days
- Global Standard Direct Line 8-14 business days

If the duty&tax amount exceeds 500USD, customers shall pay it within 5 days, otherwise parcel will be returned to the sender.

The correct contact information must be provided to avoid having to pay for a second delivery fee. And last mile delivery is provided by USPS/PCF/ONTRAC/T FORCE/UDS

FYI: the option that I choose most frequently, is “DHS Express Worldwide” for shipping to the US. I find it to be a nice tradeoff between shipping delay and shipping cost.

page 12

Change

1. Shipping Address

Shipping Information

AVERY PHONYPERSON 9182272160
124 S WATER ST SAPULPA Oklahoma 74066 UNITED STATES OF AMERICA

Billing information

AVERY PHONYPERSON 9182272160
124 S WATER ST SAPULPA Oklahoma 74066 UNITED STATES OF AMERICA

2. Shipping Method

CPT (Carriage paid to a named destination, duty, customs and taxes fee collected at the time of delivery)

<input checked="" type="radio"/> DHL Express Worldwide	2-4 business days
<input type="radio"/> DHL Express Economy	3-5 business days
<input type="radio"/> UPS Express Saver	3-5 business days
<input type="radio"/> FedEx International Priority packet	4-6 business days
<input type="radio"/> Global Standard Direct Line	8-14 business days

If the duty&tax amount exceeds 500USD, customers shall pay it within 5 days, otherwise parcel will be returned to the sender.

SUMMARY

Merchandise Total	\$12.30
Shipping	\$25.84
Grand Total:	\$38.14

This is the option which I select more often than any other. It's a good balance between speed and price, in my opinion.

There are several payment options, but when individuals are buying PCBs for hobby projects, “Pay Directly” is probably the simplest and easiest option. **SUBMIT ORDER !**

The screenshot shows a web browser window with the following elements:

- Browser Tab:** JLC PCB Prototype & PCB Fabricati X
- Address Bar:** <https://cart.jlcpb.com/payMethod?hasSmt=0&shoppingCartAccessIdList=b7cd83cbf0124a988205e72f1c941b4b>
- Billing Information:**

AVERY PHONYPERSON 9182272160
124 S WATER ST SAPULPA Oklahoma 74066 UNITED STATES OF AMERICA

Billing information

AVERY PHONYPERSON 9182272160
124 S WATER ST SAPULPA Oklahoma 74066 UNITED STATES OF AMERICA
- Shipping Method:**

2.Shipping Method Change

DHL Express Worldwide 2-4 business days
- Submit Order:**

3.Submit Order

Pay Directly(recommended)

We suggest you pay before file review to ensue high efficiency of production. If your file can't be approved to production after reviewing, you will get refund.

Review Before Payment

You can pay after your file review is approved. File review is completed in 10 mins on working days(Mon-Sat 9am-6pm(GMT+8)). Your design will not be put into production until we receive payment.

Submit Order

I pay by credit card, which saves the USD 0.50 PayPal fee; you make your own choice. The total price is displayed at top right.

The screenshot shows the checkout page for JLCPCB. The '4. Payment' section has three options: 'JLCPCB Balance (Prepaid Wire Transfer)', 'PayPal', and 'Credit Card/Debit Card'. The 'Credit Card/Debit Card' option is selected and highlighted with a red box. A red arrow points from this box to the text 'your choice'. Below the payment options are fields for Card Number, CVC Number, and Expiration Date. A coupon section shows a '\$5.00 discount on first order' selected, with a red arrow pointing to a coupon card for '\$10.00' valid until 2023/11/26. A red arrow also points from the coupon card to the text 'Depends on whether you will place another JLCPCB order before 2023/11/26'. The 'SUMMARY' table on the right shows a 'Grand Total' of '\$35.87', which is highlighted with a cyan box. Below the summary is a cyan box with the text 'AMOUNT CHARGED TO YOUR CREDIT CARD'. The page number 'page 14' is displayed in the center.

4. Payment

JLCPCB Balance(Prepaid Wire Transfer) [Activate now](#)

PayPal

PayPal Agreement

Credit Card/Debit Card

Card Number
1234 1234 1234 1234

CVC Number Expiration Date
CVC MM / YY

Coupons&Promotional codes

\$5.00 discount on first order

Coupons You have 1 valid coupons

New Customer Coupon ALL
Valid until 2023/11/26
\$10.00
Detail

For orders over \$15.00 on shipping

your choice

page 14

**Tough decision!!
Do you take the \$10 coupon now, and discard the \$5 discount for first order?**

Depends on whether you will place another JLCPCB order before 2023/11/26

SUMMARY	
Merchandise Total	\$12.30
Shipping	\$25.84
Discount	-\$5.00
Sales Tax	\$2.73
Apply for Tax Exempt	
Grand Total:	\$35.87

AMOUNT CHARGED TO YOUR CREDIT CARD

Complete the transaction and congratulations!! You've ordered PCBs. You can log in to JLCPCBs website as often as you wish, to track the progress of your order thru the fab.