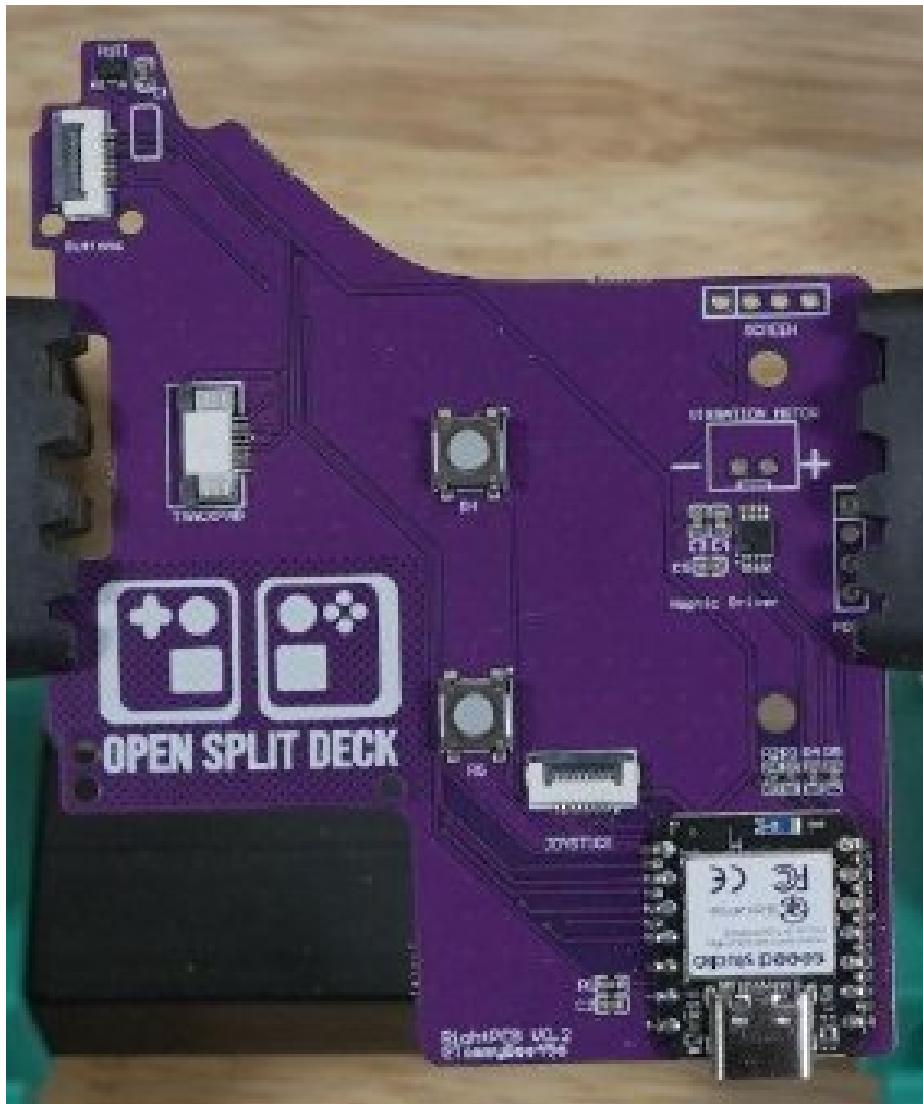


Open Split Deck

Ordering guide for PCBs



Prerequisites: Sign in to or create accounts for
JLCPCB and EasyEDA

1. Go to [the Open Split Deck github page](#)

The screenshot shows the GitHub repository page for 'OpenSplitDeck' by 'tommybee456'. The repository is public and has 33 stars. It contains 1 branch and 2 tags. The main branch has 59 commits. The repository includes a README and an MIT license. The README section contains the following text:

OpenSplitDeck (v0.2)

A custom modular wireless controller inspired by the Steam Deck and Steam Controller. Features trackpads, detachable halves, and full HID support. Built from scratch using nRF52840 microcontrollers and the Enhanced ShockBurst protocol. [Video](#)

Join the [Discord!](#)

Note
This project is in an early development stage – v0.2. Expect breaking changes, bugs, and frequent

The repository also features sections for About, Releases (with 2 releases), Packages, and Languages.

2. Scroll down to the build instructions. Open each of the links for the PCBs in a new tab

The screenshot shows the 'Build Instructions' section of the repository. It includes links to Schematic and board files for the LeftPCB, RightPCB, and Trackpad, which are highlighted with red arrows. Other links include Current BOM - Living Sheet, Video Build Guide, and Written Build Guide. The Contributing and License sections are also visible.

Media
Coming soon – demo images, build progress, and gameplay tests.

Build Instructions

- Schematic and board files:
 - [LeftPCB](#) ←
 - [RightPCB](#) ←
 - [Trackpad](#) ←
- BOM and Tools:
[Current BOM - Living Sheet \(Im Trying to find the best way to source everything still\)](#)
- Build Guide:
[Video Build Guide](#)
[Written Build Guide](#)

Contributing
Contributions are welcome! Feel free to fork the repo, open issues, or submit pull requests.
If you're not sure where to start, check out the [Checklist](#) for open tasks.

License

3. Each link will take you to a page on OSHWLab. Scroll down on the page until you see an image of the PCB and click the button labeled “Open in editor”

OSHWA Lab

Home Explore Activity Article Market Forum **OSHWA Lab Stars**

Please enter keyword search + Create Points Bell Login Register

Home / Explore / Project Details

OpenSplitDeck RightPCB V1.0

PRO Other_Modules Consumer_Electronics

Mode: Full

License: GPL 3.0 Creation time: 2025-07-22 07:07:07

Update time: 2025-10-21 05:35:53

fbrains69
Followers 4 | Likes 4
+Follow Private message

Description Design Drawing BOM Attachments Members Comments

[Open the Design Drawing](#)

Description
This is the left controller PCB for the OpenSplitDeck Project. Please check the github/youtube channel for build instructions. JLCPCB can do some assembly of this board if desired. It should all be setup correctly in EasyEDA.
Please make sure to order this PCB as 1.0mm thick. JLCpcb Defaults to 1.6mm

Design Drawing
[Board1](#)
[schematic diagram](#)

Related projects [Change](#)

- LattePanda Mu Mini Carrier** PRO
- LCSC Practical ESP32-S3 Dev Board** PRO
- LCSC Dizheng Star MSPMOL1306 Dev Board** PRO
- Ever Modular V1** PRO
- FoxDongle-OSHW nRF52840** PRO

OSHWA Lab

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Description Design Drawing BOM Attachments Members Comments

[Open the Design Drawing](#)

OPEN SPLIT DECK

[BOM Download](#) [Purchase](#) **Open in Editor**

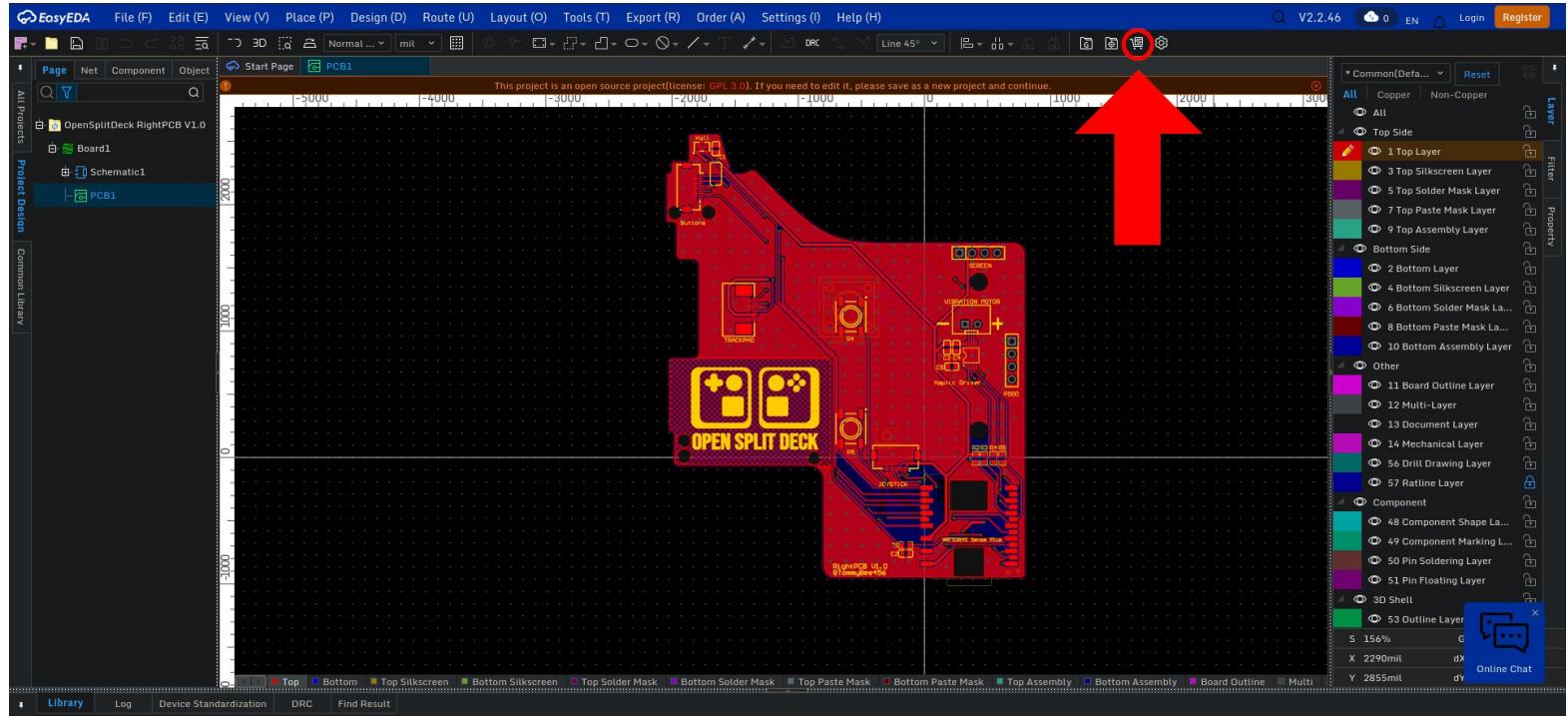
BOM

ID	Name	Designator	Footprint	Quantity	Manufacturer Part	Manufacturer	Supplier
1	XIAO-nRF52840_Plus_SMD	U1	XIAO-nRF52840-Plus-SMD	1			
2	Start	SW1	SW-SMD_L3.9-W3.0-P4.45	1	TS-1088-AR02016	XUNPU(讯普)	LCSC
3	Joystick	FPC1	FPC-SMD_10P-P0.50_XUNPU_FPC-05F-10PH15	1	Joystick	XUNPU(讯普)	LCSC

Related projects [Change](#)

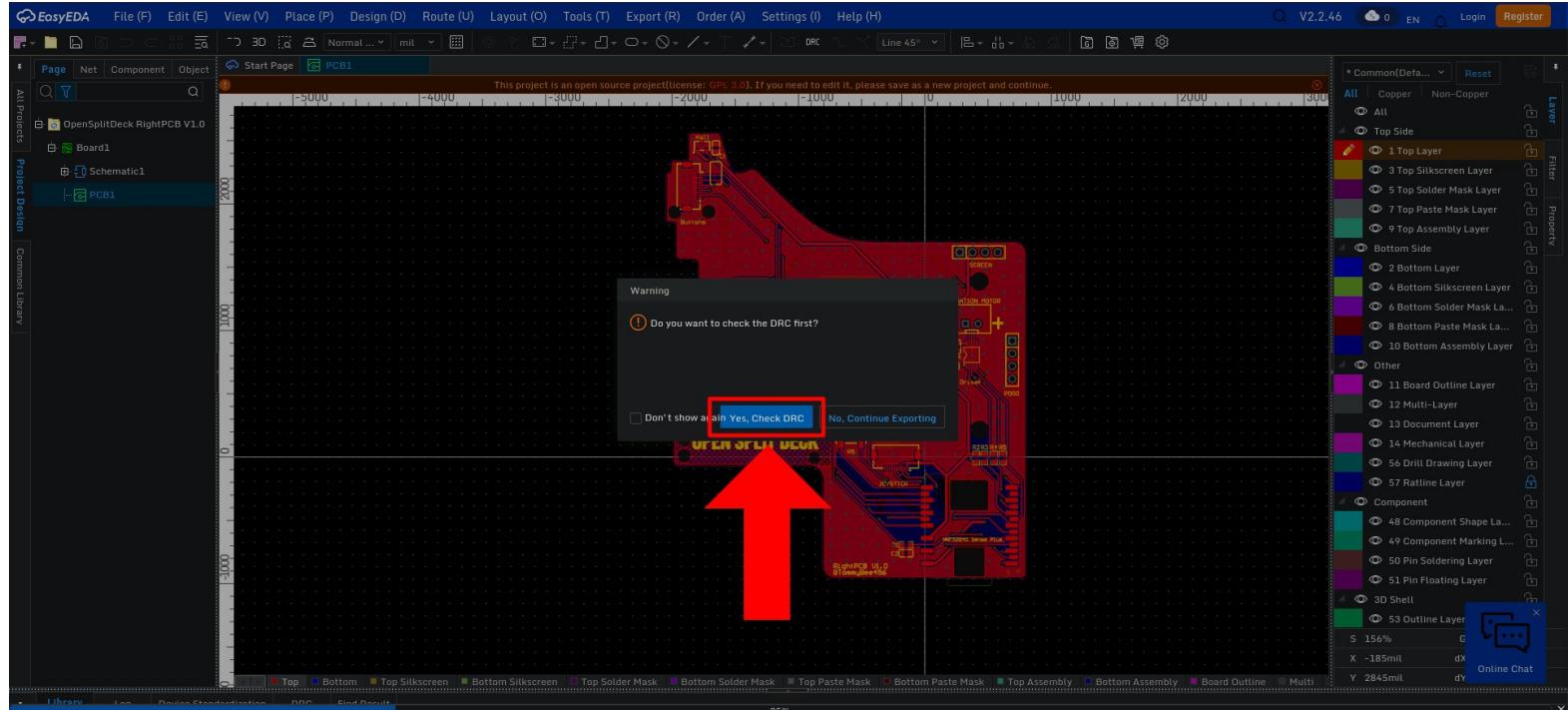
- LCSC Dizheng Star MSPMOL1306 Dev Board** PRO
- Ever Modular V1** PRO
- FoxDongle-OSHW nRF52840** PRO
- Mechanical Keyboard V2 (Hotswap,Aluminum)** PRO
- Jetson Orin Nano Expansion Board** STD
- STM32G473CEU6 Devboard** STD
- RIDGECON** PRO
- Sensores Musculares** PRO

4. This will open EasyEDA. Wait for the page to fully load, then click on the small shopping cart icon

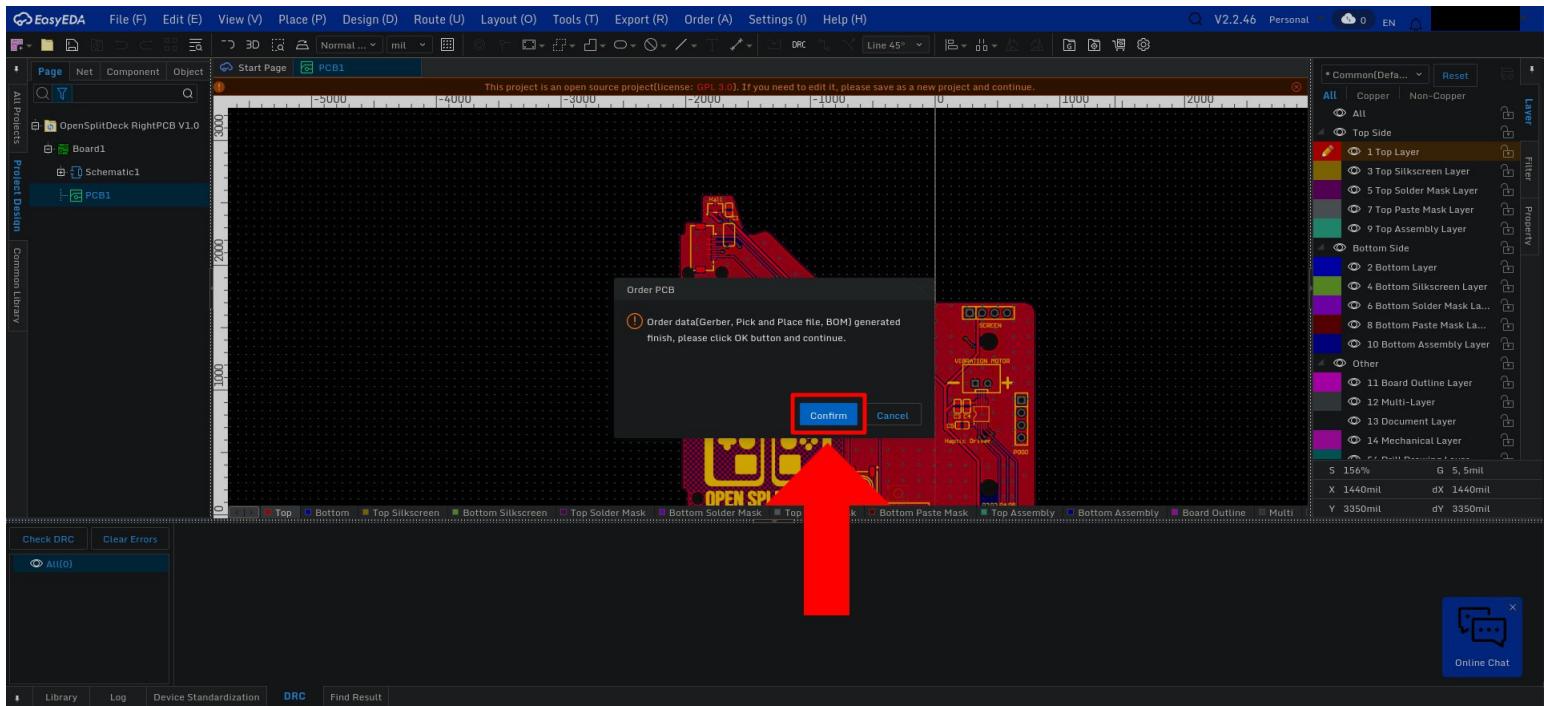


5. On the pop up that appears, click the option “Yes, Check DRC”

5a. If nothing happens, you may not be signed in to your EasyEDA account



6. Once finished, a new popup will appear. Click “Confirm”



7. This will take you to JLCPCB to order the parts and have them assembled

8. Scroll down to see the options for your PCBs, such as the color, and then click “Save to cart” top add them to you cart for checkout. Make sure you do NOT choose the option for PCBA only.

The screenshot shows the JLCPCB PCB configuration interface. On the left, there are sections for PCB Qty (5), Product Type (Industrial/Consumer electronics), and PCB Specifications. Under PCB Specifications, users can choose Different Design (1), Delivery Format (Single PCB), PCB Thickness (1.6mm), PCB Color (Green), Silkscreen (White), Material Type (FR4 TG135), Surface Finish (HASL(with lead)), and High-spec Options like Outer Copper Weight (1 oz). On the right, Charge Details show a Special Offer of \$2.00. PCB Build Time offers 2 days (\$0.00), 24 hours (\$7.30), and 24 hours PCBA Only (\$0.00). Calculated Price is \$4.00 - \$2.00 = \$2.00. A large blue "SAVE TO CART" button is at the bottom. Shipping Estimate shows DHL Express (DDP) with a weight of 0.23kg and a cost of \$23.58 for 2-4 business days.

9. Repeat these steps for each PCB until there are 3 items in your cart

The screenshot shows the JLCPCB shopping cart page. The cart contains three items: OpenSplitDeck_Trackpad.V1.3_PCB1_2..., OpenSplitDeck_LeftPCB_V1.0_PCB1_2..., and OpenSplitDeck_RightPCB_V1.0_PCB1_2... Each item has a quantity of 5, a build time of 3 days, and a price of \$4.00. The cart summary shows a subtotal of \$0.00. To the right, there is a "SUMMARY" section with a "Secure Checkout" button and payment method icons for American Express, VISA, MasterCard, and others. It also includes an "Add new item" link and an SSL ENCRYPTED PAYMENT notice.

10. Once all 3 PCBs are added to your cart, you can click the check box next to each item in your cart and order your PCBs!

24-hour PCB production. Fast Delivery to United States.

JLCPCB Products Capabilities Support About Us

Coupons APP Download USD

Order Now My Account

SHOPPING CART

All (3) JLCPCB (3) JLCCNC (0) JLCMC (0) Flex Heater (0)

Item Qty Build Time Price

JLCPCB (PCB/PCBA/Stencil)

 OpenSplitDeck_Trackpad_V1.3_PCB1_2... 5 3 days \$4.00
PCB prototype:Y8-11823038A
Black, 1.6 Thickness, HASL(with lead)
Customer #:
Product Details | Edit Order

 OpenSplitDeck_LeftPCB_V1.0_PCB1_2... 5 3 days \$4.00
PCB prototype:Y7-11823038A
Black, 1.6 Thickness, HASL(with lead)
Customer #:
Product Details | Edit Order

 OpenSplitDeck_RightPCB_V1.0_PCB1_2... 5 3 days \$2.00 Special offer
\$4.00
PCB prototype:Y6-11823038A
Black, 1.6 Thickness, HASL(with lead)
Customer #:
Product Details | Edit Order

SUMMARY 3 items>

Merchandise Total \$10.00

Shipping Estimated \$23.58 ▾

Coupons -\$6.00 >

Subtotal \$27.58

Est. shipping date 2026-02-08
Order won't be shipped until all items are ready.

Weight 0.37kg

Secure Checkout

+Add new item



Payment method may vary by country.

SSL ENCRYPTED PAYMENT

JLCPCB