

Download the necessary files.

main ▾	Env-KB / _gerber /	Go to file	Add file ▾	...
Envious-Data	Implemented Hotswap sockets onto RGB version	93919af	15 days ago	History
..				
AcrylicBack.dxf	changed type-c port and re-did some bits			last month
AcrylicTop.dxf	Implemented Hotswap sockets onto RGB version			15 days ago
ENV_KB_bom_jlc.csv	Updated Gerbers and generated BOM/CPL			last month
ENV_KB_cpl_jlc.csv	Updated Gerbers and generated BOM/CPL			last month
EnvKB BackPCB.zip	General checkover, Generated upto date Gerbers for JLCPCB			29 days ago
EnvKB MainPCB.zip	General checkover, Generated upto date Gerbers for JLCPCB			29 days ago

From here you need to download

- [“EnvKB MainPCB.zip”](#)
- [“EnvKB BackPCB.zip”](#) (optional backplate)
- [“ENV_KB_bom_jlc.csv”](#)
- [“ENV_KB_cpl_jlc.csv”](#)

Go to <https://cart.jlcpb.com/quote>

- Click “add gerber file” and upload [EnvKB MainPCB.zip](#)

↑ Add gerber file

Only accept zip or rar, Max 10 M, [View example >](#)

[Instructions for ordering](#) [Log in to view your upload history](#)

- **Optional - pick PCB color**

PCB Color

Green

Red

Yellow

Blue

White

Black

- **Optional - Remove Order number**

Remove Order Number

No

Yes

Specify a location

For SMT Parts



SMT Assembly



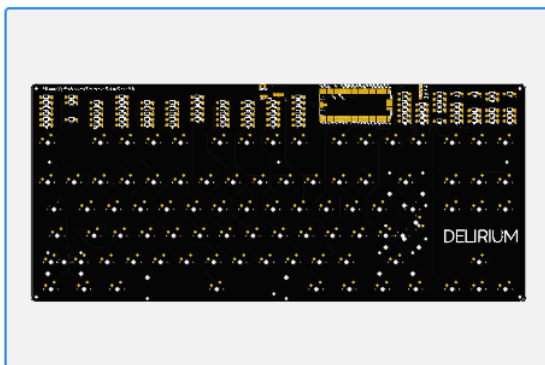
Free SMT Assembly for your PCB order



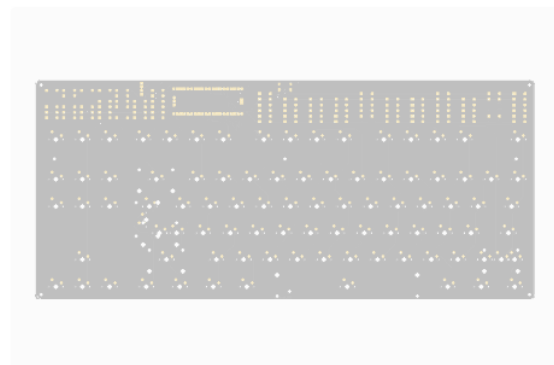
Only accept single sided placement, we recommend you choose the side which has more SMD parts.

*The parts that are not in [JLCPCB SMT Parts Library](#) won't be placed on your board.

*Panels with V-cut can not be made with SMT assembly, please panelize PCBs with stamp holes.



☒ Assemble top side



☐ Assemble bottom side

SMT QTY



5

2

Tooling holes



Added by Customer

Added by JLCPCB



I agree to the Terms and Conditions of JLCPCB SMT Service.

Confirm

- Select SMT assembly and pick “Assemble top side”
- Click next

You will be asked to log in or make an account.

- Next upload the required files

↑ Add BOM File

Only accept XLS,XLSX,CSV.

[View Sample BOM](#) ↓

↑ Add CPL File

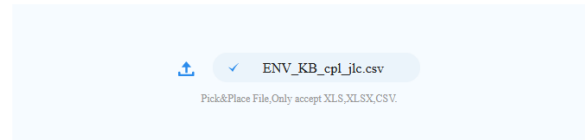
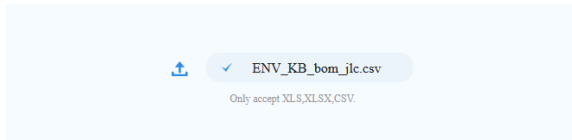
Pick&Place File,Only accept XLS,XLSX,CSV.

[View Sample CPL](#) ↓

Not sure where to start? Check our [SMT FAQs page](#).

Tips: With EasyEDA, you can generate BOM/CPL files with a single click.

NEXT



Both the CSV files will be named respectively where they need to go, see the screenshots above

- Most parts should be selected correctly automatically

Top Side Select the parts you want to assemble on your boards. No restrictions on using extended parts for each order now.

Total 5 parts detected 3 Parts confirmed 1 Inventory shortage 1 parts not selected

Uploaded BOM Data			Review Matched Parts				
Designator	Comment	Footprint	Matched Part Detail	Qty	Source	Total Cost	Select
USB1	HRO-TYPE-C-31-M...	HRO-TYPE-C-31-M...	TYPE-C-31-M-12 USB - Type C Female 16 8.94*7.3mm U...	5	Icsc	£ 0.9744	<input checked="" type="checkbox"/>
SW-RST0	B3U-1000	SW_SPST_B3U-100...	B3U-1000P SPST 50mA @ 12VDC Vertical Round Bu...	9	Icsc	£ 1.0815	Inventory shortage
POWERLEDRE...	1K Resistor 040...	R_0402_1005Metr...	0805W8F1001T5E Chip Resistor - Surface Mount 1KOhm...	10	jlcpcb	£ 0.0325	<input checked="" type="checkbox"/>
RESISTOR1...	5.1kohm 0402	R_0402_1005Metr...	0402WGF5101TCE 5.1kΩ ±1% 1/16W ±100ppm/°C 0402 Chip...	15	jlcpcb	£ 0.0141	<input checked="" type="checkbox"/>
PowerLED0	LED 0402	LED_0402_1005Me...	No part selected			£ 0.00	

Please carefully check the packages of selected parts before proceeding

NEXT

However in my example here you can see the LED hasn't been picked out so we'll have to pick one manually

You can pick any LED so long as its "0402" or "LED_0402" Package

0402 led blue Search ☐ Basic Parts Only

Part	Package	Lib Type	Unit Price	Stock	Source	
BL-HB337A-AV-TRB BLUE 465~470NM 0402 ...	LED_0402	expand	0.029	1850	Icsc	<input type="button" value="Select"/>
RS-3535MWAR LIGHT EMITTING DIODE...	LED-6_3535	expand	0.0878	4170	Icsc	<input type="button" value="Select"/>
FC-F1005BK-470G5 LIGHT EMITTING DIODE...	LED_0402	expand	0.0444	11455	jlcpcb	<input type="button" value="Select"/>
SLR0402DBC3BD 2 0.4"(10.16MM) CAT...	LED-SEG-TH_10P-L20...	expand	0.5637	125	Icsc	<input type="button" value="Select"/>

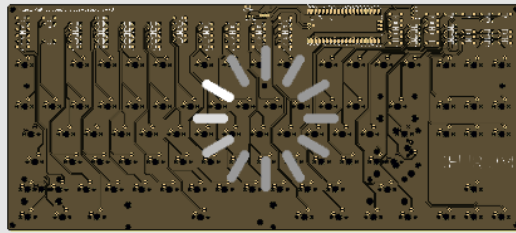
4 items in total < 1 >

For example I picked the top option in this list as it fits the requirement and I wanted one in blue.

SW-RST0	B3U-1000	SW_SPST_B3U-100...	USB - Type C Female 16 8.94*7.3mm U... B3U-1000P SPST 50mA @ 12VDC Vertical Round Bu... 0805W8F1001T5E	9	Icsc	£ 1.0815	Inventory shortage
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Also in my example the reset button doesnt have enough stock but this part is fine to leave out.


Once done click next.



You'll now be on a page with a preview of part placements, this doesn't always work right so it's fine to just save to cart and make a purchase

Total Price




£ 31.05

Weight 

925.10g

SAVE TO CART

SHOPPING CART

<input checked="" type="checkbox"/>	Item	Qty	Price	
<input checked="" type="checkbox"/>	 <div>EnvKB MainPCB_Y56 PCB prototype: Y56-3359264E Black, 1.6 thickness, HASL(with lead) 3 days Product Details Edit Order</div>	5	£ 18.86	
	 <div>EnvKB MainPCB_Y56 SMT Assembly: SMT0210629222347-33592... Assemble top side, 72 Product Details</div>	5	£ 12.19	

SUMMARY (2 items)

Subtotal **£ 31.05**

Weight 0.93kg

Shipping calculated at checkout

Secure Checkout

[+ Add new item](#)

 SSL ENCRYPTED PAYMENT