

# LRE8x2 096 SSD1306-BAR for Eurorack



Eurorackpanel;  
 LRE-OLED-BAR & LRE8x2 V2.5 This Design is planned for SMD-LEDs - and Screens, - it only will work for transparent Plates - else it must be adaptet (mor drill holes) designed by Michael Sigl > www.siglut.at



## 4x PCBs on one 100x100mm

there is no V-Groove, you have to cut it on the marking groove it on top and back, with a new sharp cutter, do it several times, then break it



With this Method you pay for 20 PCBs 8€ all inclusive to EU-Austria

So you can Stuff 5 LRE8x2 with this.

Here are the gerberfiles for production - testet on JLCPCB

[lre-oled-eva-gerber.zip](#)



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Submitted

2022-01-13



Paid

2022-01-13



Reviewed



In Production



Shipped

### Shipping Information

Shipping Address:

michael

Oberösterreich, [https://www.midi.com](#)

Shipping Method: Standard Global Direct Line

### Payment Information

Payment method: paypal

Payment received: 2022-01

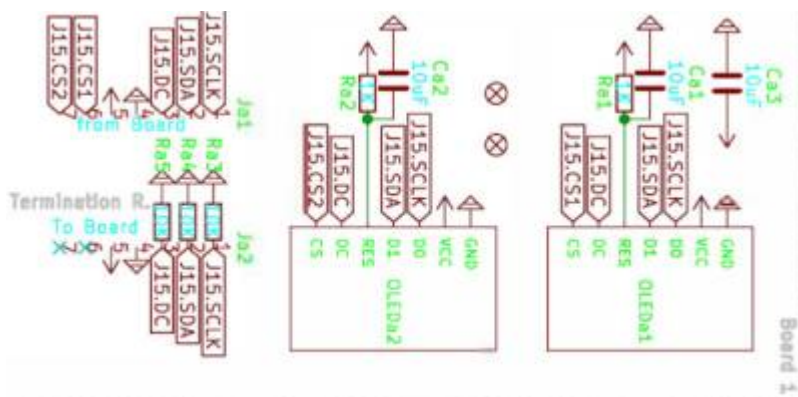
Order total: €6.77

Item Details	Price	Qty	Operate
	LRE-OLED	€1.75	5 pcs
Order Number: Y12-2436262A			<b>MERCHANDISE TOTAL: €1.75</b>
Order Status: Reviewing			<b>SHIPPING CHARGE: €4.59</b>
Gerber file: <a href="#">LRE-OLED</a>			<b>PAYPAL FEE: €0.44</b>
Build Time: 3 days			<b>ORDER TOTAL: €6.77</b>

## Hardware Requirements

- a MIO532 Core to connect too
- Soldering Iron - with a Dip that can Handle Thruhole-Parts, solder Paste...
- LRE8x2 for its nature use

## Schematic



Full Schematic:  
[lre-oled-bar-schematic.pdf](#)

# Building and BOM

The Values are printet on the PCB.

## Following Quantity is for 4 PCBs:

8x 1Row 7Pin headers (2.54mm pitch)

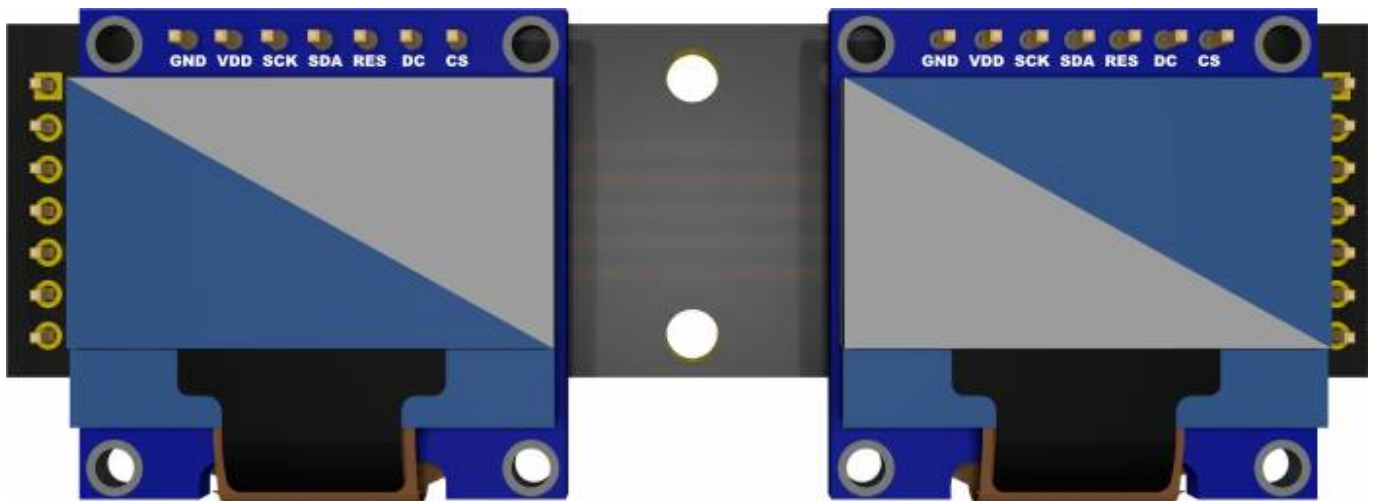
8x 1K 1208 SMD Resistors

12x 10uF 1208 Capacitors (non polarized)

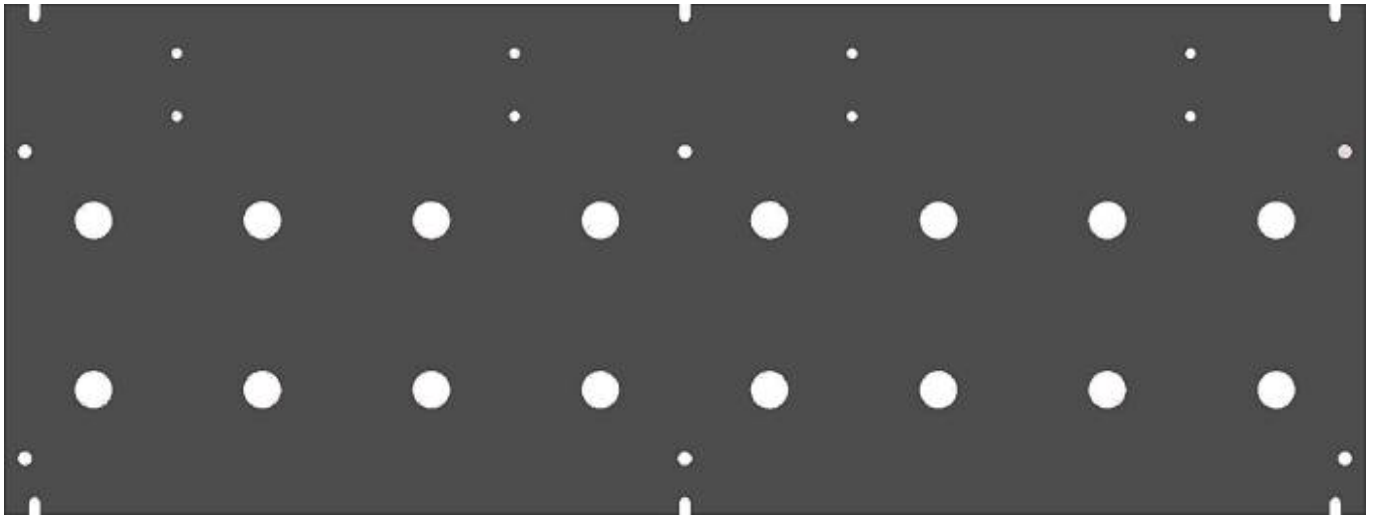
3x 10K 0603 SMD Resistors which are optional



8x 0.96" SSD1306 Screens



## Frontpanel



I made a DXF File which you can send to Formulator, i panalized it so there are 2 Plates in it  
I payed 40€ summed for booth plates incl shipping from Germany to Austria  
[2xlre-oled-bar-dxf.zip](#)

## To Do

nothing- its the first protypte

## Community users working on it

- **Phatline** = PCB & Schematic, UI-Programming, Documentation...

Just let a Private message on the forum to user already involved.

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