

LRE8x2 096 SSD1306-BAR for Eurorack



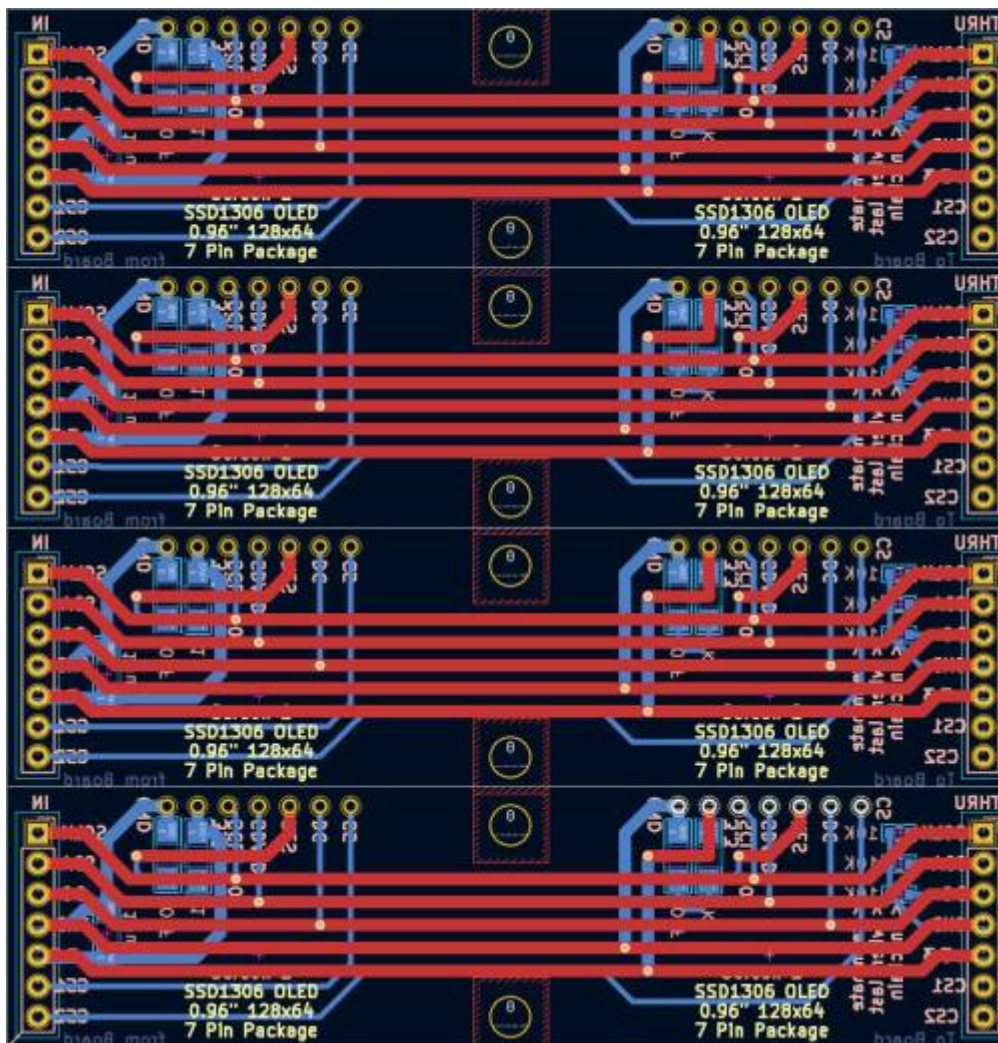
Eurorackpanel;
 LRE-OLED-BAR & LRE8x2 V2.5 This Design is planned for SMD-LEDs - and Screens, - it only will work for transparent Plates - else it must be adaptet (mor drill holes) designed by Michael Sigl > www.siglut.at



I made this PCBs to use it with Fairlightii´s [mb-lre8x2cs_pcb](#)

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 - i made it with [JLPCB](#)
[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, ~~...~~ Austria

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	MERCHANDISE TOTAL: €1.75 SHIPPING CHARGE: €4.59 PAYPAL FEE: €0.44 ORDER TOTAL: €6.77
Order Number: Y12-2436262A			
Order Status: Reviewing			
Gerber file: LRE-OLED			
Build Time: 3 days			

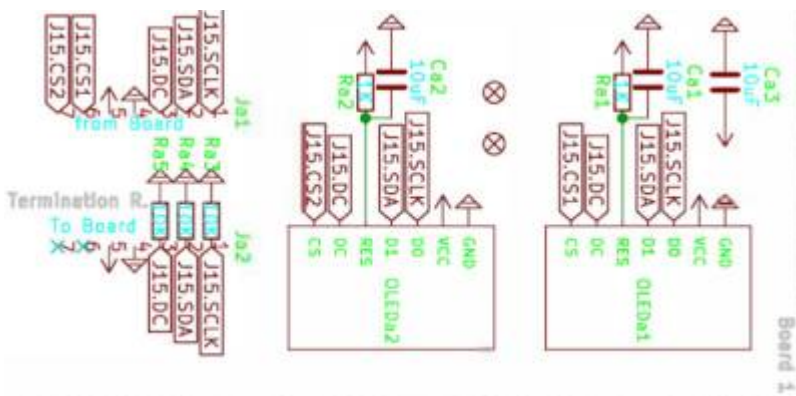
And they are working, they also V-Grooved on my marking without extra costs...

My next Revision would be a Micromatch header on the left side of the pcsb so i can directly interconnect to a Display Driver (crimping instead of soldering)

Hardware Requirements

- a MIOS32 Core to connect too
- Soldering Iron - with a Dip that can Handle Thruhole-Parts, solder Paste...
- LRE8x2 for its nature use

Schematic



Full: [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)

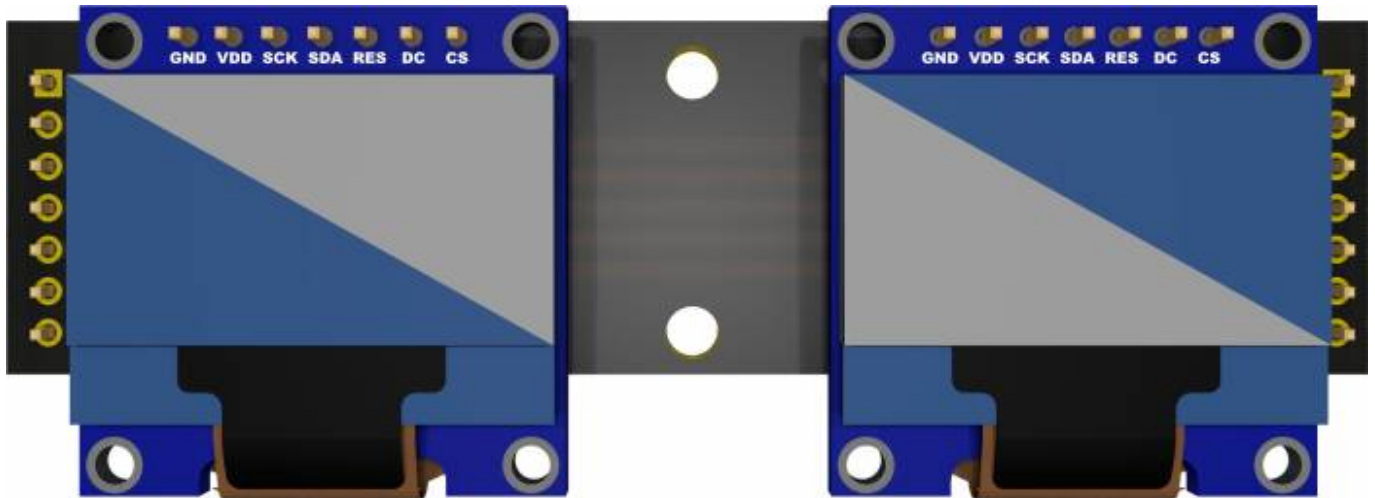
8x 1K 1208 SMD Resistors

12x 10uF 1208 Capacitors (non polarized)

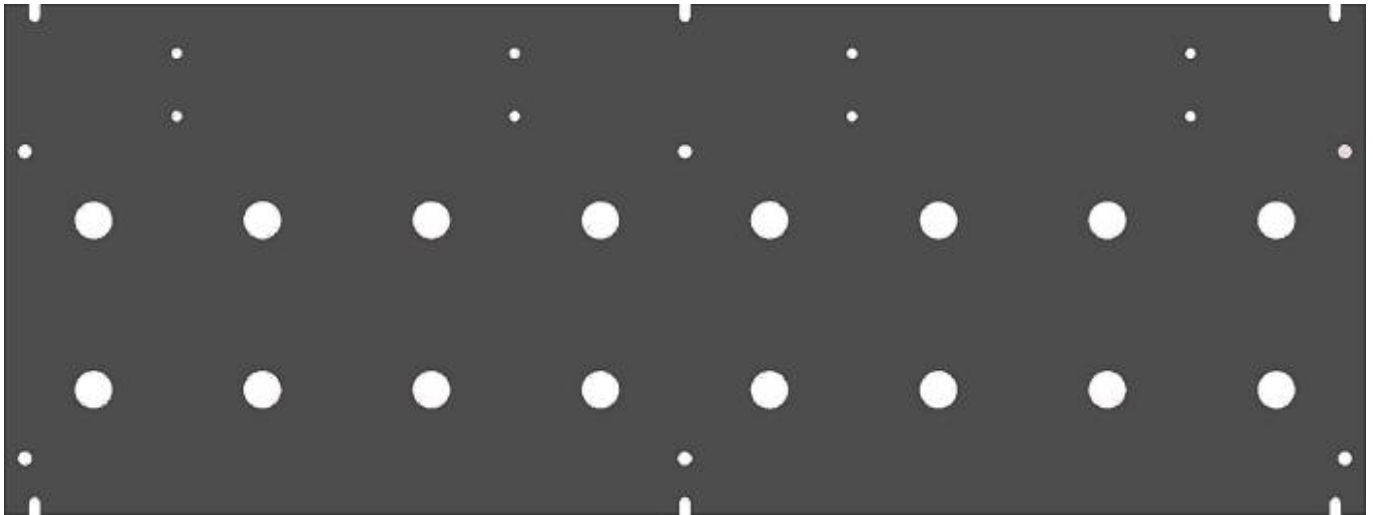
3x 10K 0603 SMD Resistors which are optional



8x 0.96" SSD1306 Screens



Frontpanel



I made a DXF File which you can send to [Formulor in Germany](#)

i panalized it so there are 2 Plates in it

I payed 40€ summed for booth plates incl shipping from Germany to Austria

The Version with the not needet 3mm Mounting holes for the LRE8x2: [2xlre-oled-bar-dxf.zip](#)

My Original Autocad Drawing, + DXFs for Fabrication without the non needet Mounting Holes: [euro-lre-frontpanel.zip](#)

Recommend Material from Formulor:

3mm Acrylglas GS 384x384mm, mittelgrau transparent(7C83)

To Do

waiting for christmas...

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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