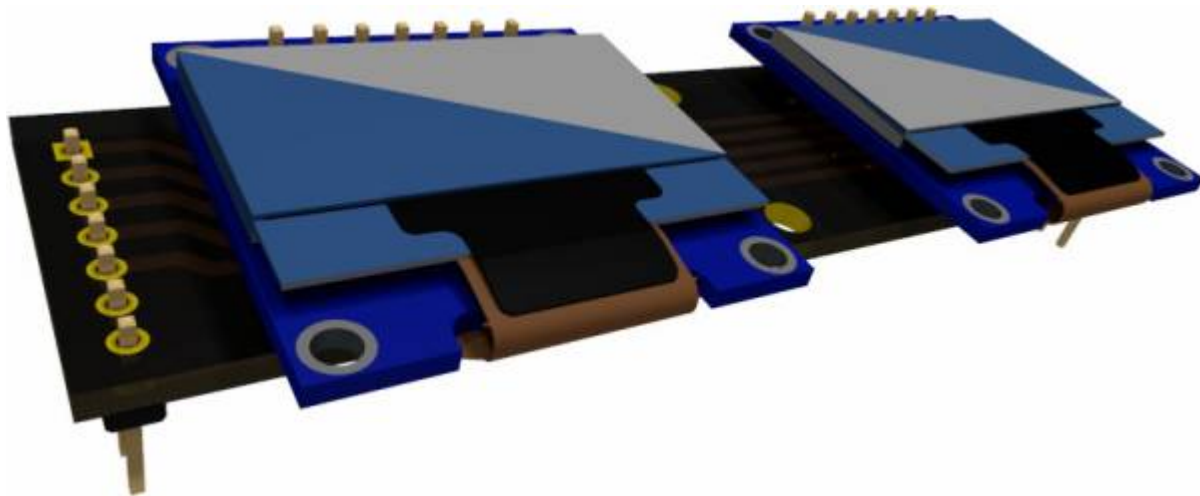


LRE8x2 096 SSD1306-BAR for Eurorack

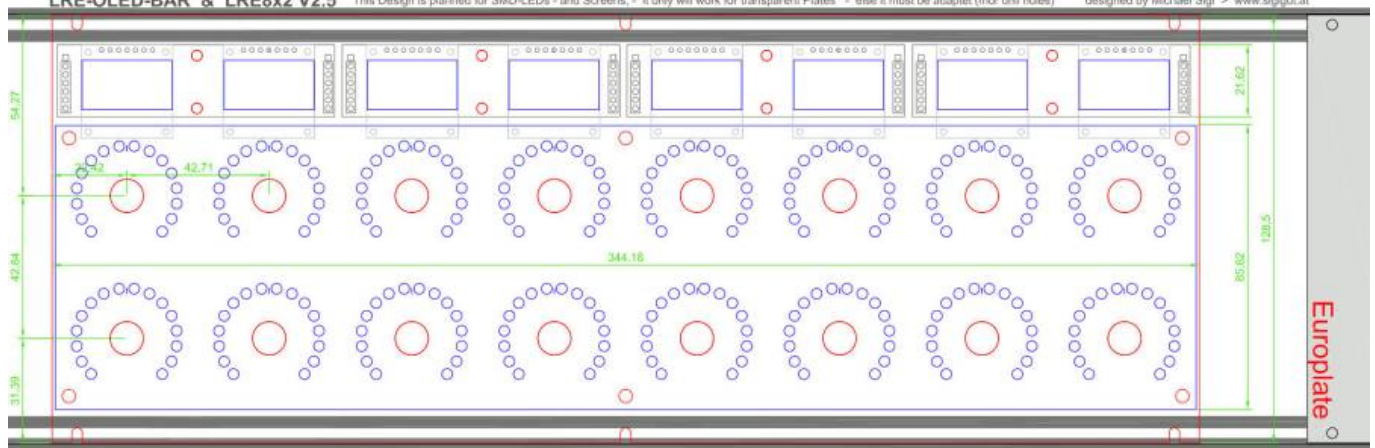


Eurorackpanel;

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 (more drill holes)

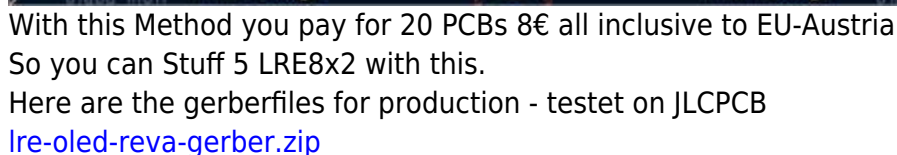
designed by Michael Sigi > www.sigicut.at



4x PCBs on one 100x100mm

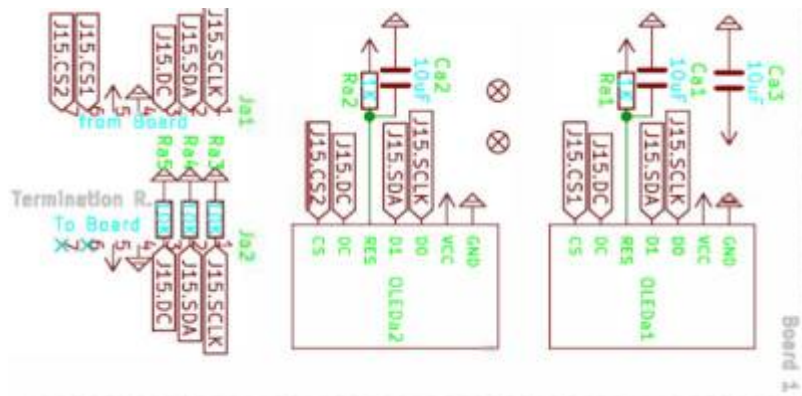
there is no V-Groove, you have to cut it on the marking

groove it on top and back, with a new sharp cutter, do it several times, then break it



- a MIO32 Core to connect too
- Soldering Iron - with a Dip that can Handle Thruhole-Parts, solder Paste...
- LRE8x2 for its nature use

Schematic



Full Schematic:

Ire-oled-bar-schematic.pdf

Building

The Values are printet on the PCB.

Following Quantity is for 4 PCBs:

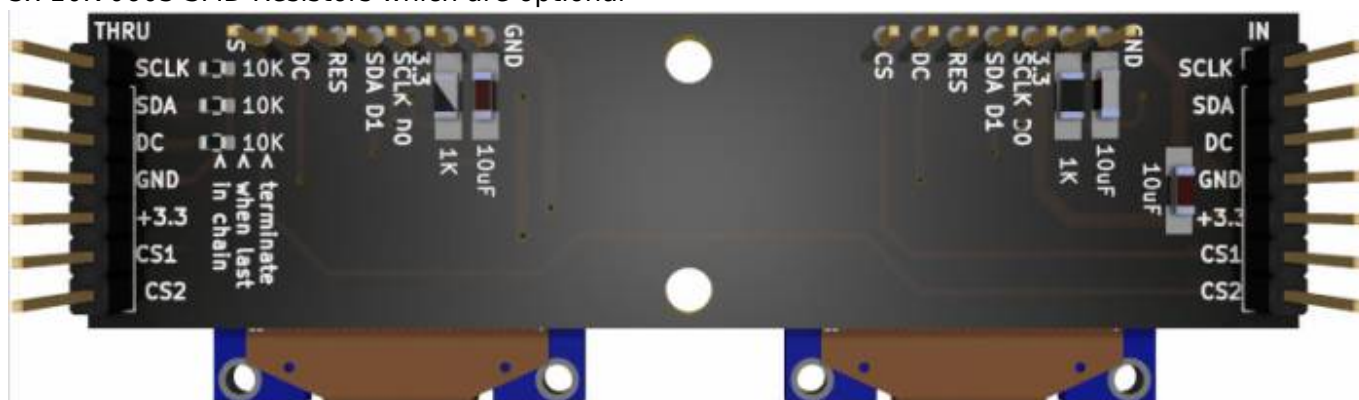
8x 1Row 7Pin headers (2.54mm pitch)

8x 1K 1208 SMD Resistors

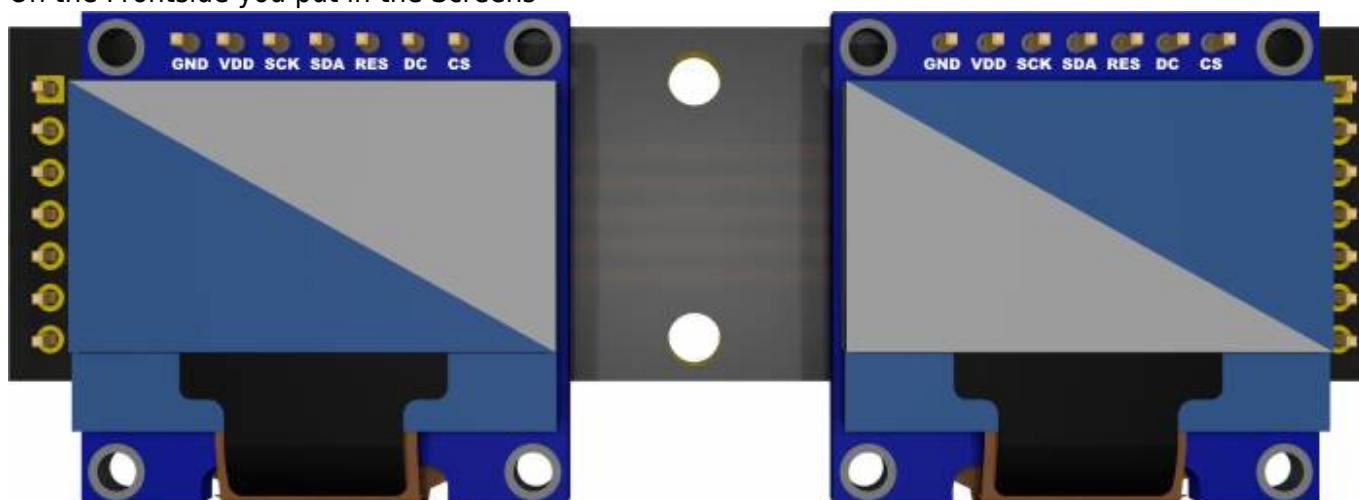
12x 10uF 1208 Capacitors (non polarized)

8x 0.96" SSD1306 Screens

3x 10K 0603 SMD Resistors which are optional



On the Frontside you put in the Screens



BOM LCSC

these are the parts which must be handsoldered

Comment	Designator	Footprint	LCSC Part Number	Lot
ULN2003ADRW	Q1-Q3	SOIC-18_300mil	C9683	3
PEC11R-4015F-S24	ENC1-ENC5	tht	C143789	5
Micromatch-2x5	LCDi1,LCDo1,Ji89,Jo89	tht	C590954	4
Switch	S1	tht	C273513	1

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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