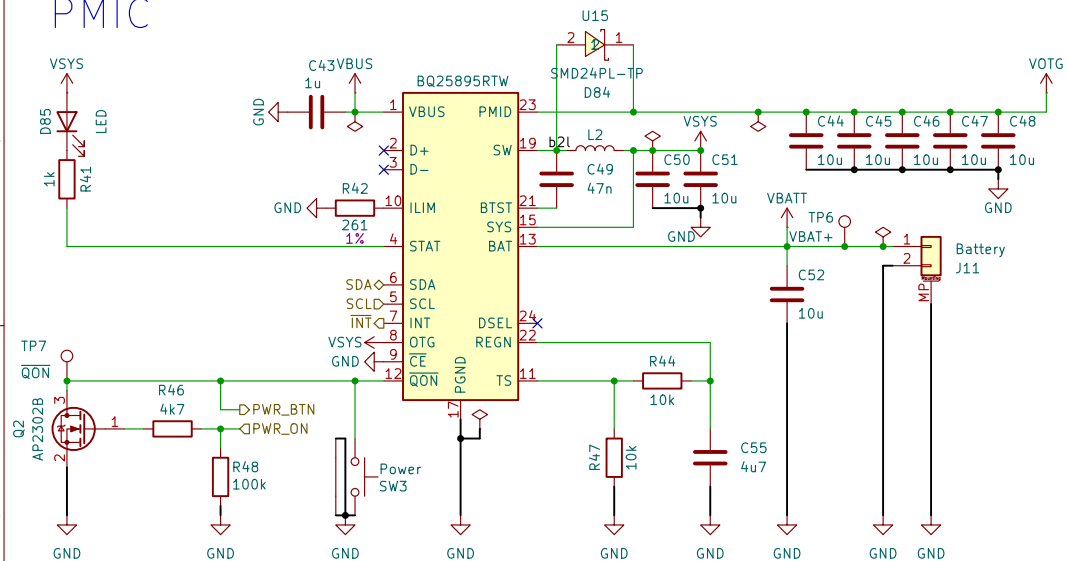


## PMIC



Watch out with the I2C bus of this device, wrong configuration can be dangerous.

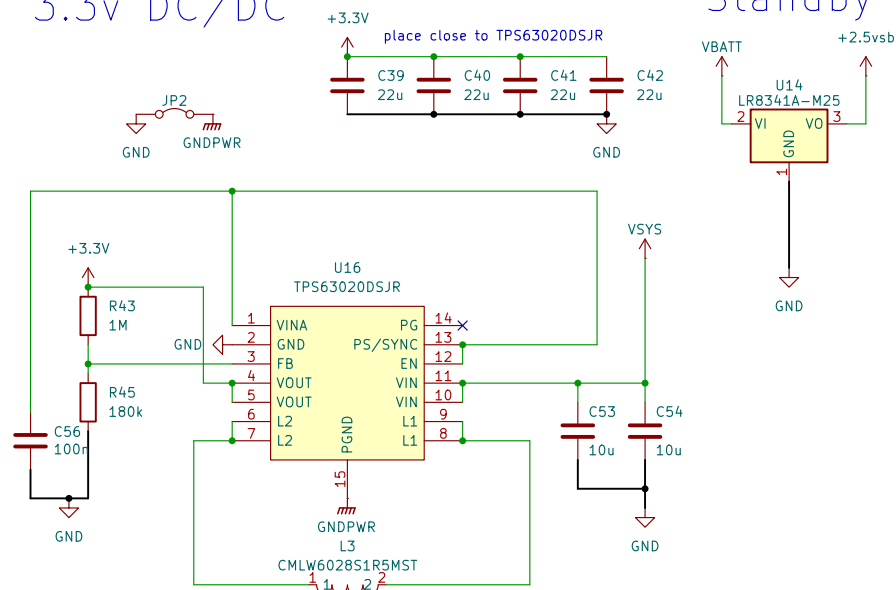
VBUS is the voltage coming from the input USB-C port. This voltage can be 5 up to 14 volts.

VOTG is 5V generated from VBATT or VBUS depending on the power source of the system.

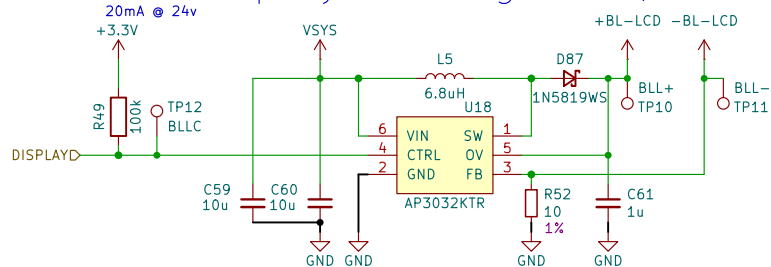
VBATT is connected to the rechargeable battery.

VSYS is an unregulated 3.5 to 4.5V output used to power the DC-DC converters for the rest of the components.

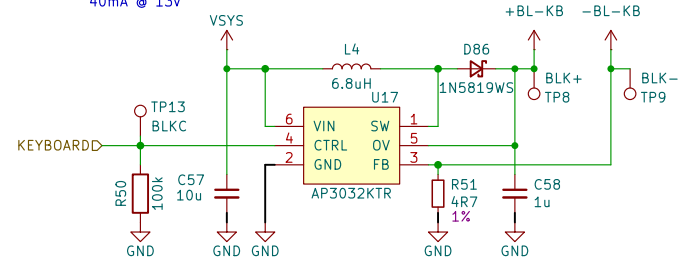
## 3.3v DC/DC



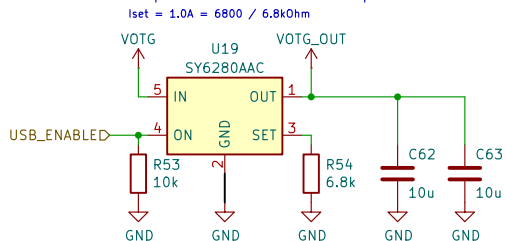
## Display backlight DC/DC



## Keyboard backlight DC/DC



## Switched power for USB-A port



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**Nicolai Electronics**

Sheet: /Power/

File: power.kicad\_sch

**Title: Tanmatsu**

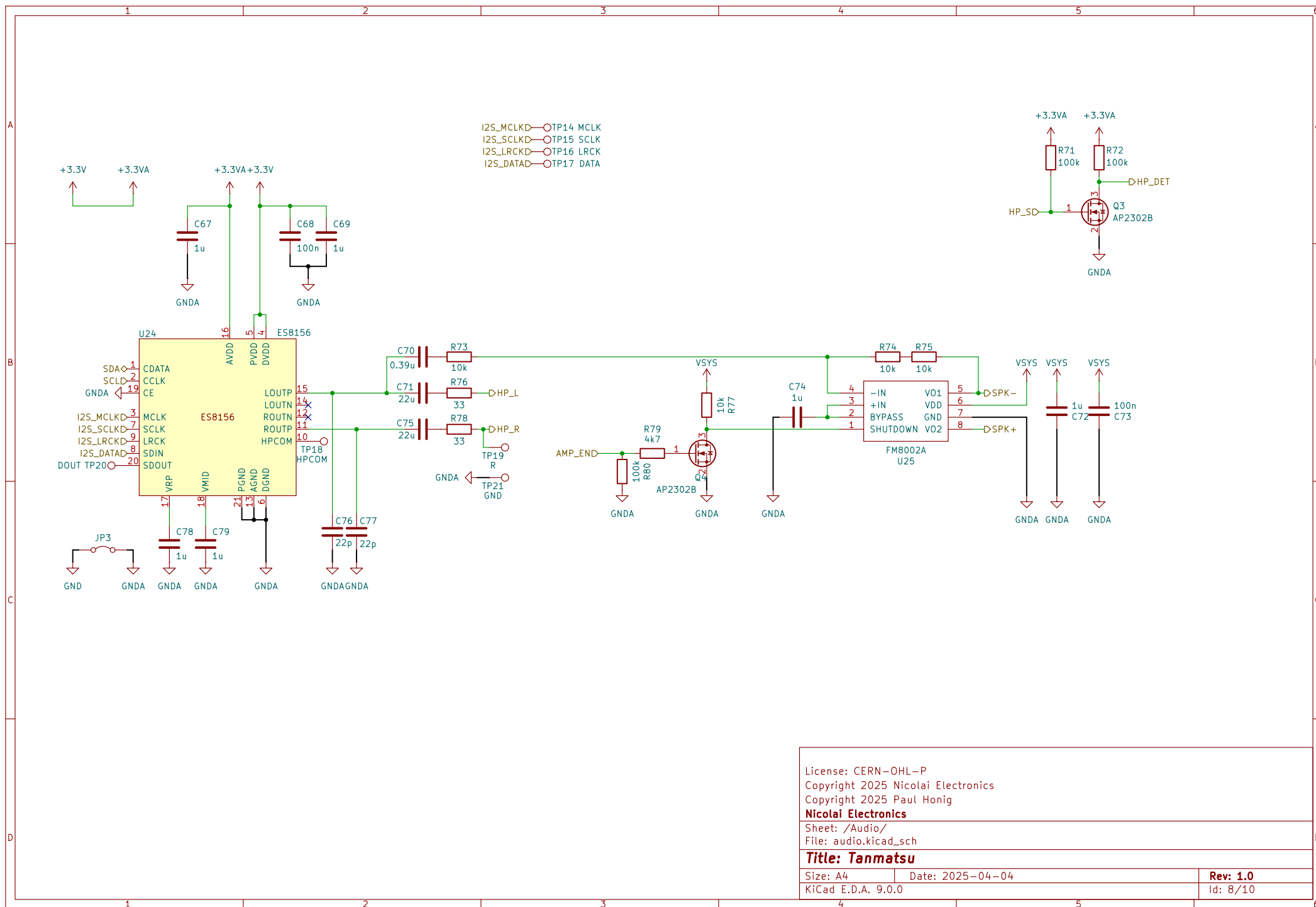
Size: A4 Date: 2025-04-04

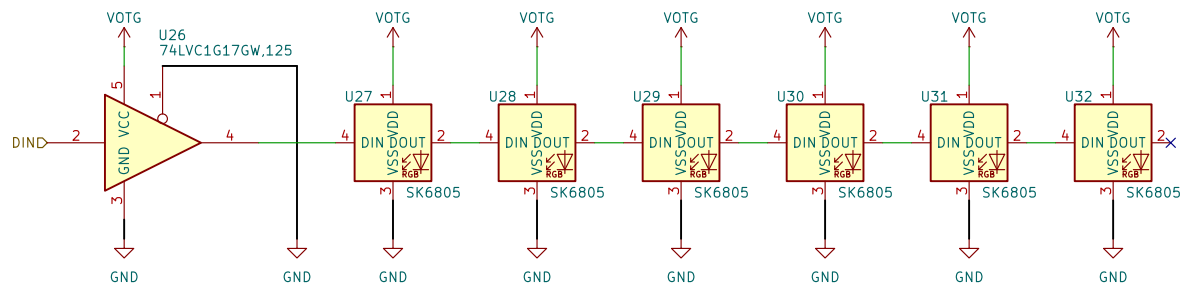
KiCad E.D.A. 9.0.0

**Rev: 1.0**

Id: 6/10







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**Nicolai Electronics**

Sheet: /LEDs/  
File: leds.kicad\_sch

**Title: Tanmatsu**

Size: A4 Date: 2025-04-04

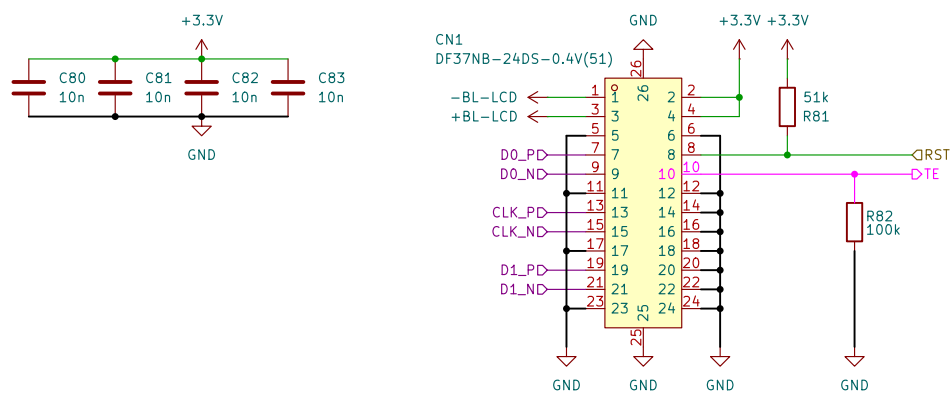
KiCad E.D.A. 9.0.0

**Rev: 1.0**

Id: 9/10



In the display datasheet:  
start, top left 1 down to 12  
then, right bottom up 13 to 24.



**Nicolai Electronics**

**Title:** Tanmatsu

Size: A4	D
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KiCad E.D.A. 9.0.0

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Id: 10/10

