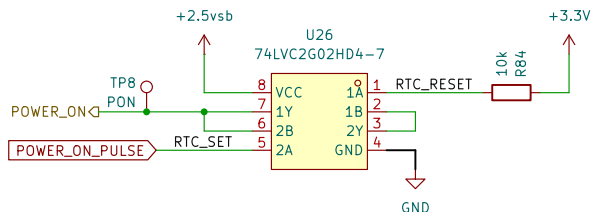
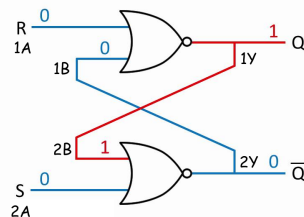


Power on latch circuit
To keep the power signal low until the 3v3 comes up



SR Latch

S	R	Q	Q̄
0	0	1	0
0	1	0	1
1	0	1	0
1	1	0	0



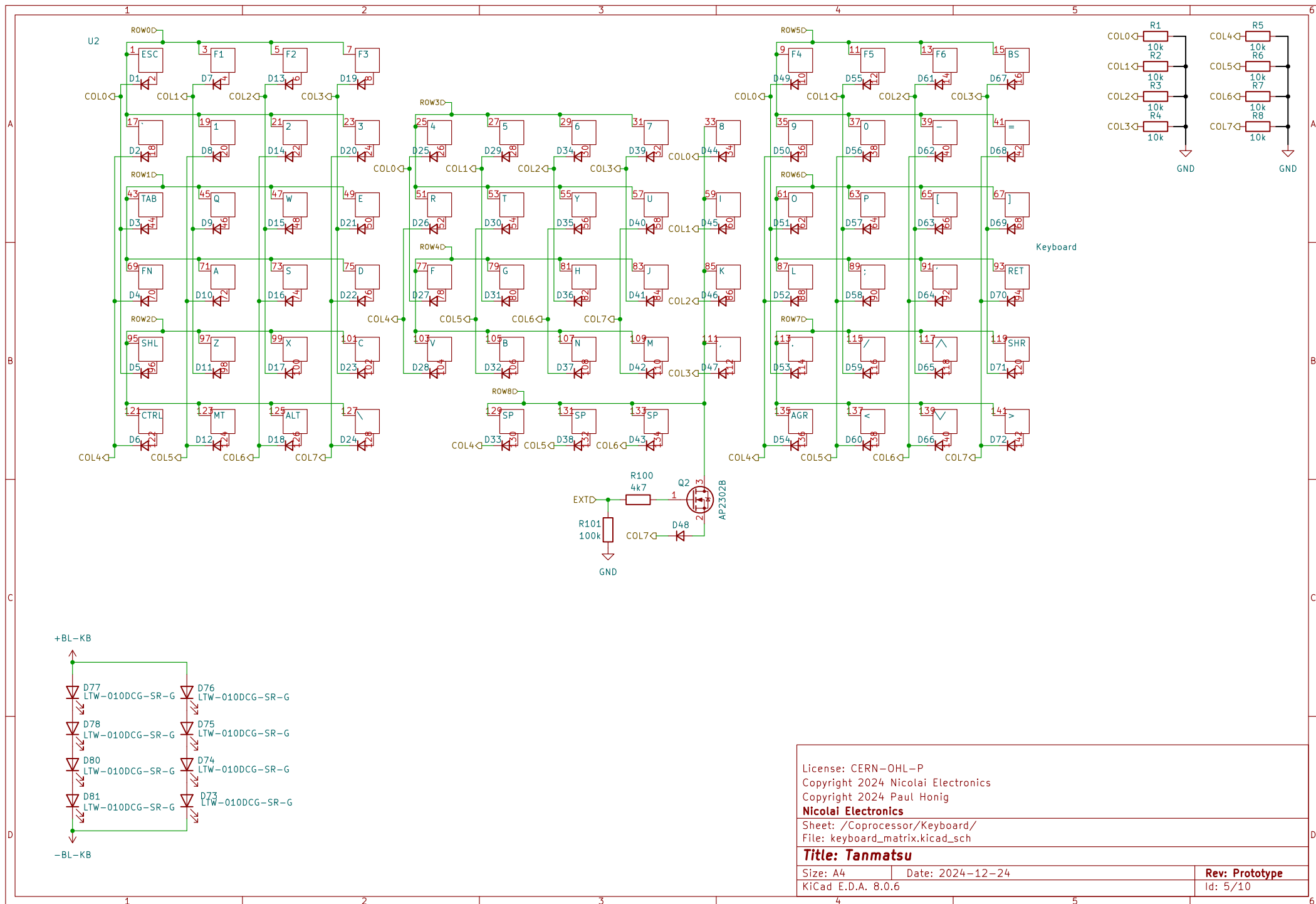
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Title: Tanmatsu

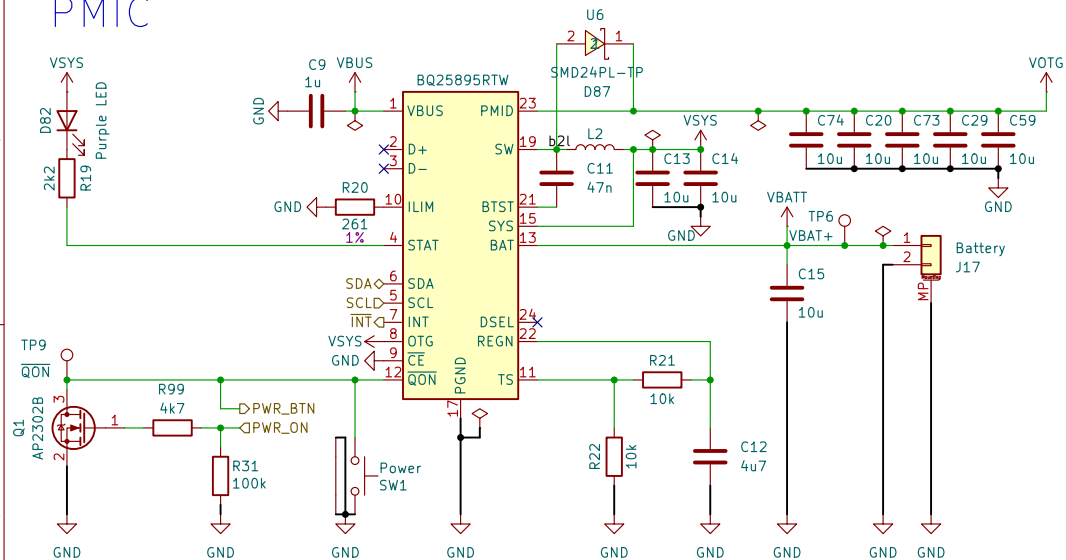
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KiCad E.D.A. 8.0.6

Date: 2024-12-24

Rev: Prototype
Id: 4/10



PMIC



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

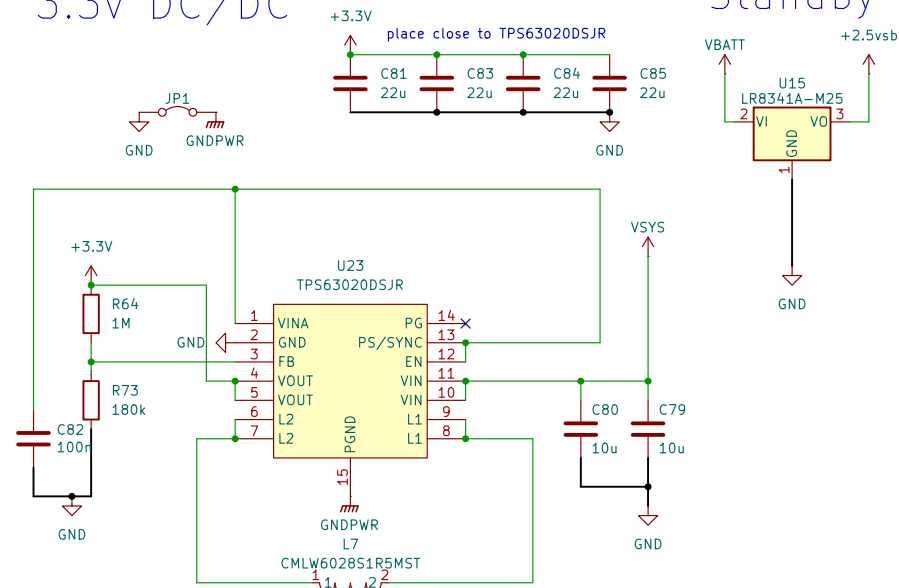
VBUS is the voltage coming from the input USB-C port. This voltage can be 5 up to 14 volts.

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

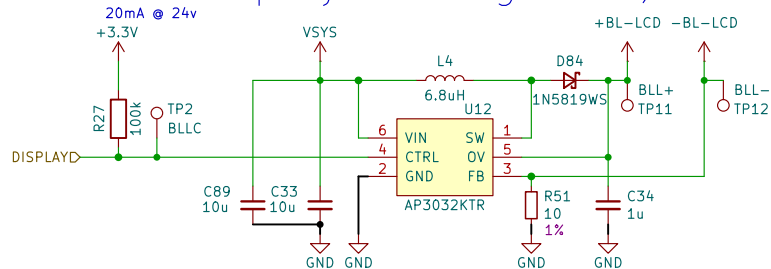
VBATT is connected to the rechargeable battery.

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

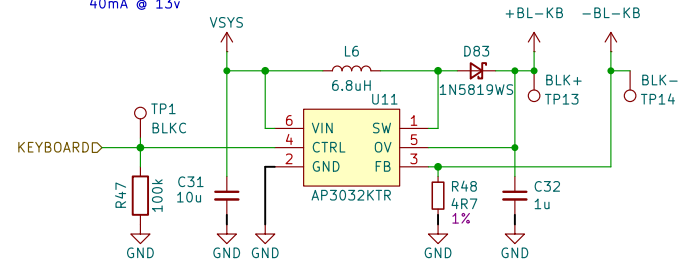
3.3v DC/DC



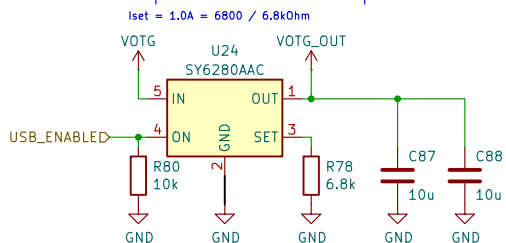
Display backlight DC/DC



Keyboard backlight DC/DC



Switched power for USB-A port



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File: power.kicad_sch

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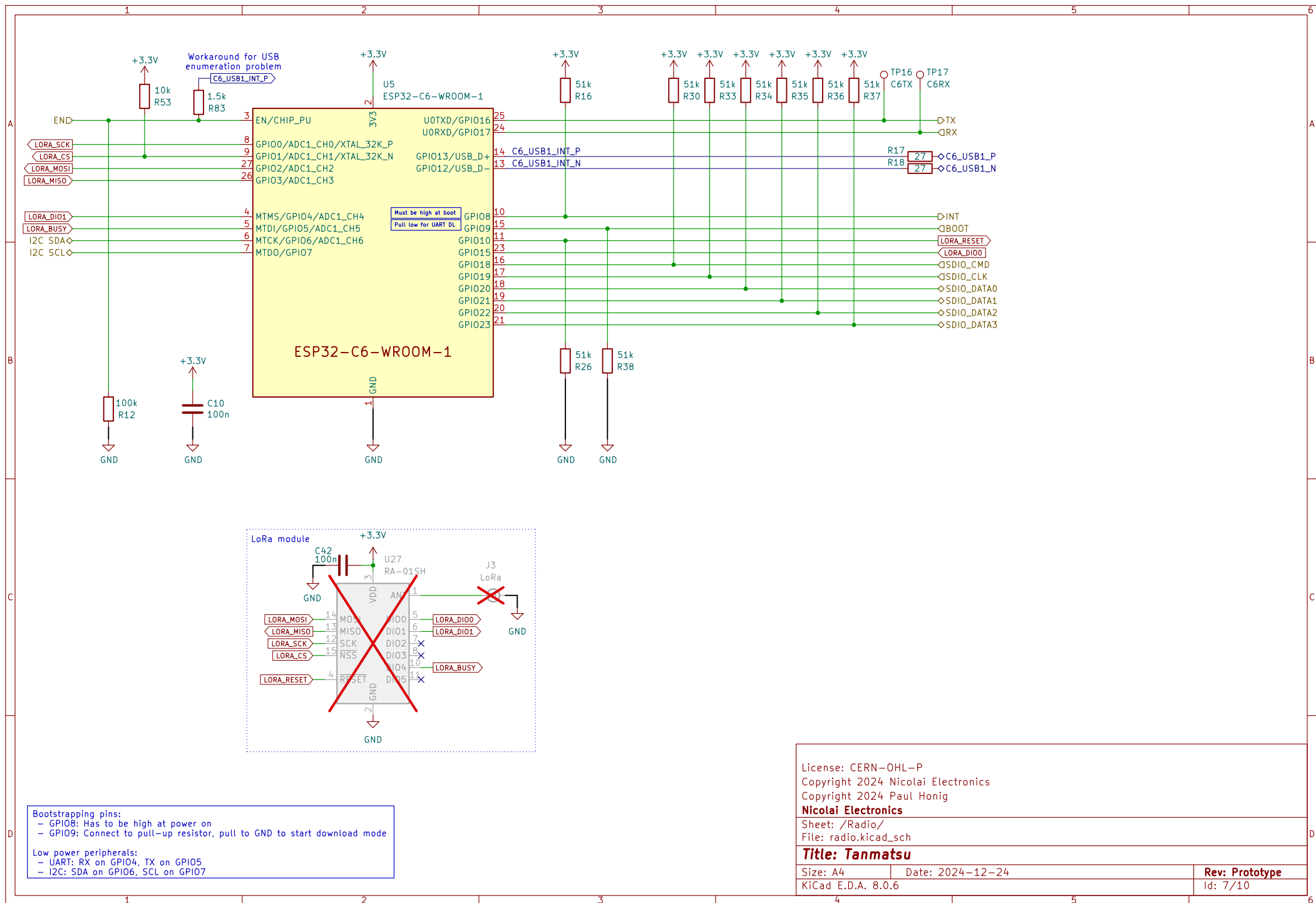
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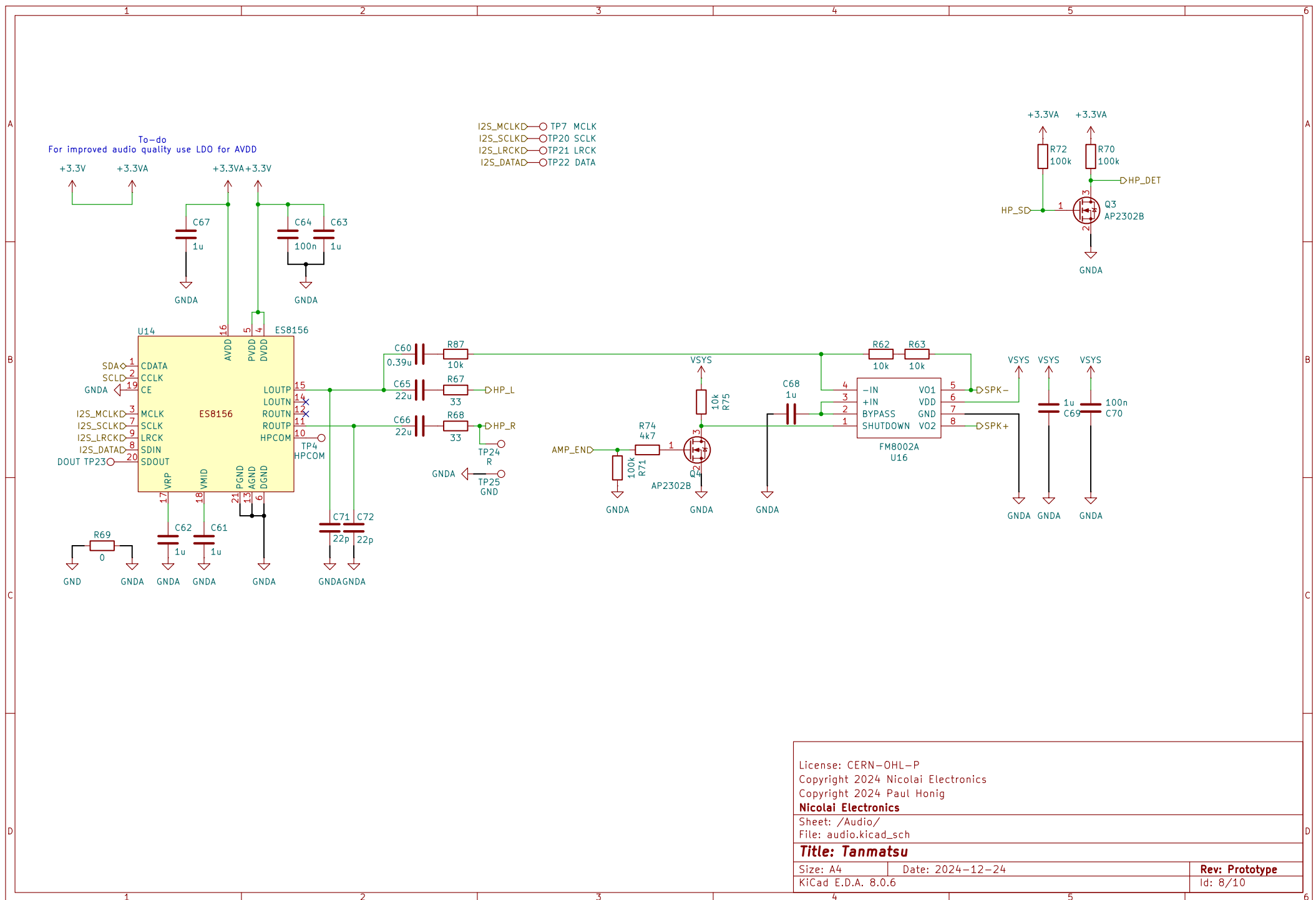
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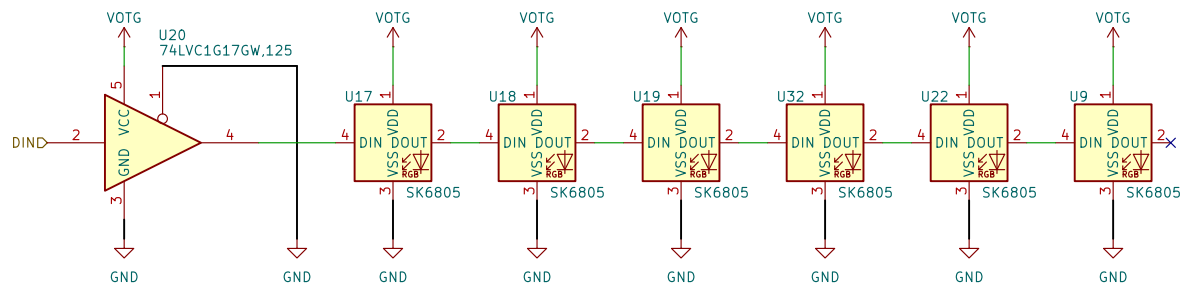
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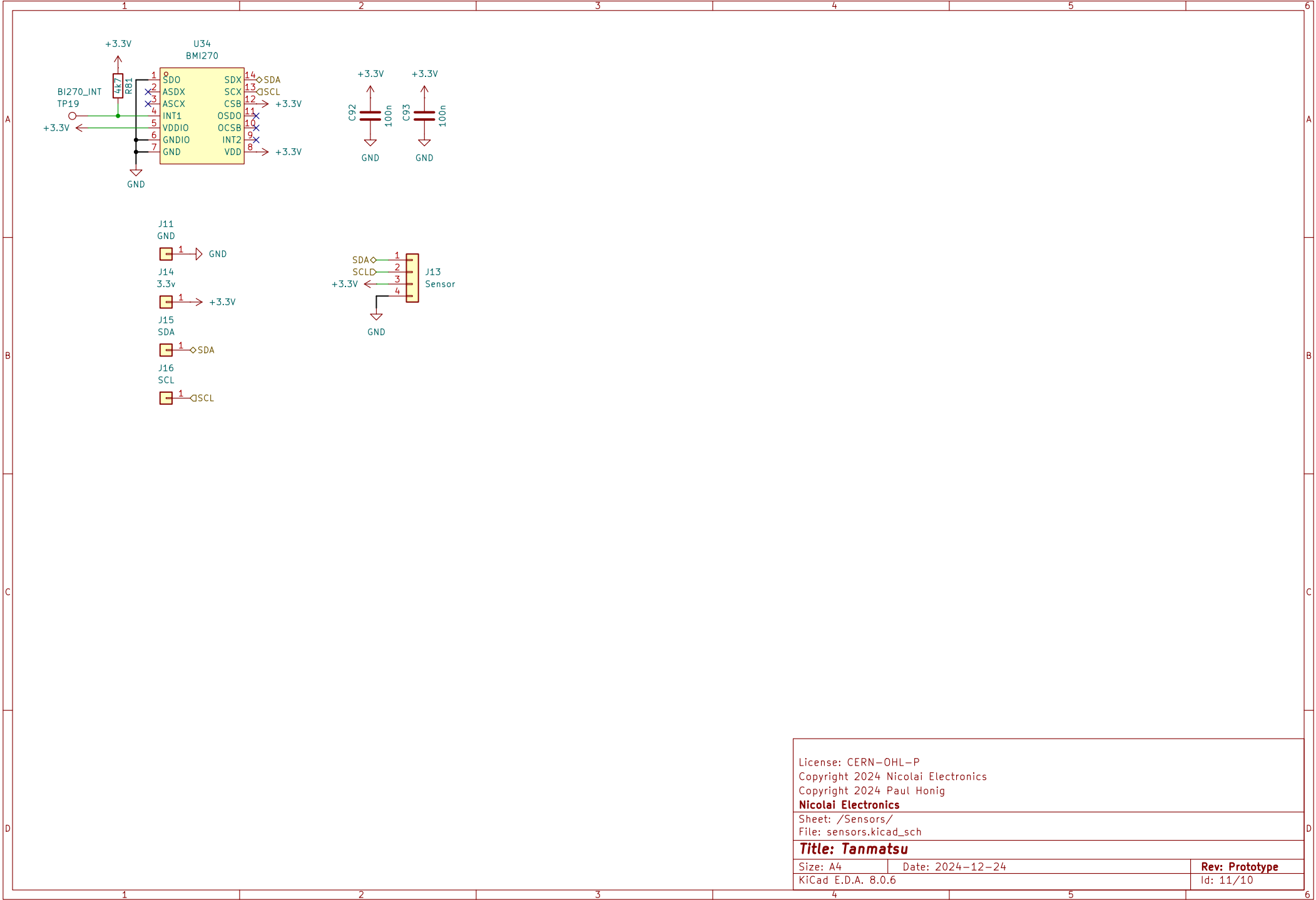
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Size: A4 Date: 2024-12-24

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Date: 2024-12-24

Rev: Prototype

Id: 11/10