

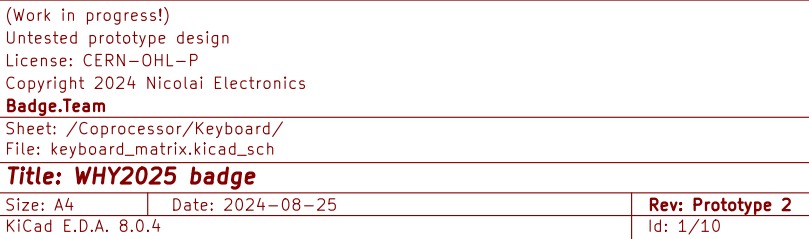
(Work in progress!)
 Untested prototype design
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Sheet: /Coprocesor/
 File: coprocessor.kicad_sch

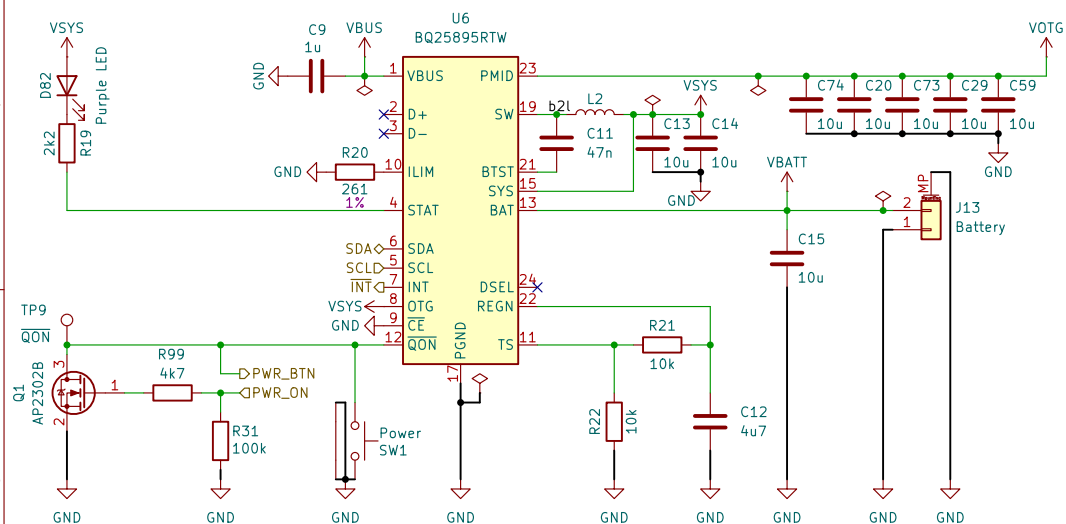
Title: WHY2025 badge

Size: A4 Date: 2024-08-25
 KiCad E.D.A. 8.0.4

Rev: Prototype 2
 Id: 4/10



PMIC



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

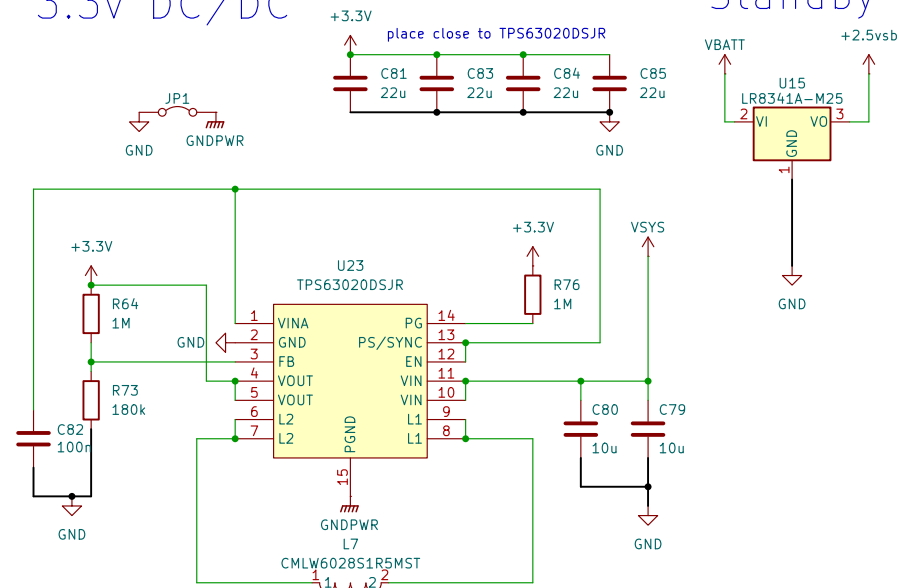
VBUS is the voltage coming from the input USB-C port. This voltage can be 5 up to 14 volts.

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

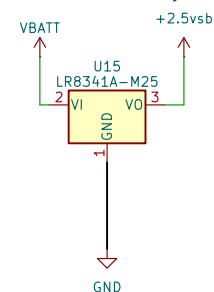
VBATT is connected to the rechargeable battery.

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

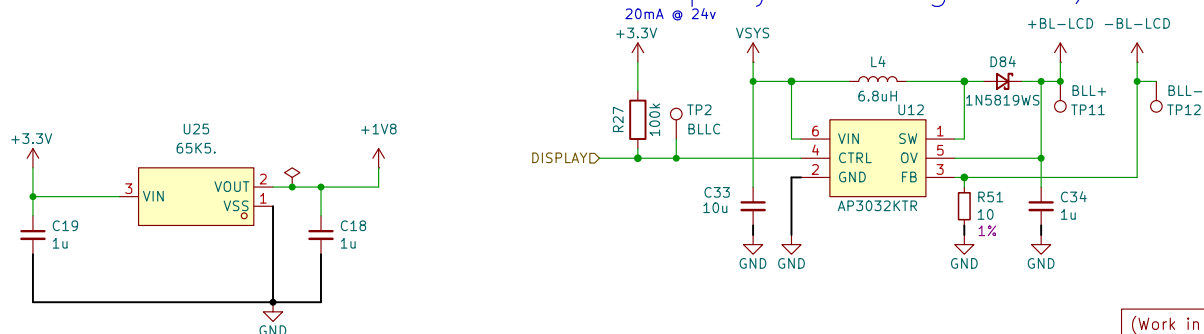
3.3v DC/DC



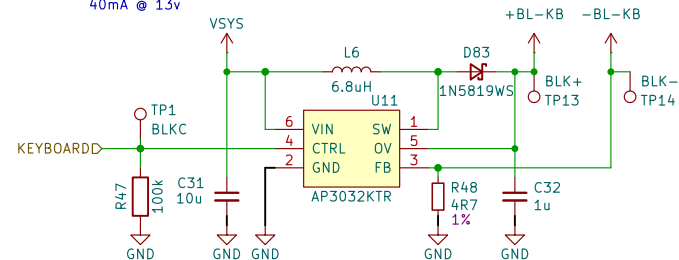
Standby



Display backlight DC/DC



Keyboard backlight DC/DC



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Sheet: /Power/

File: power.kicad_sch

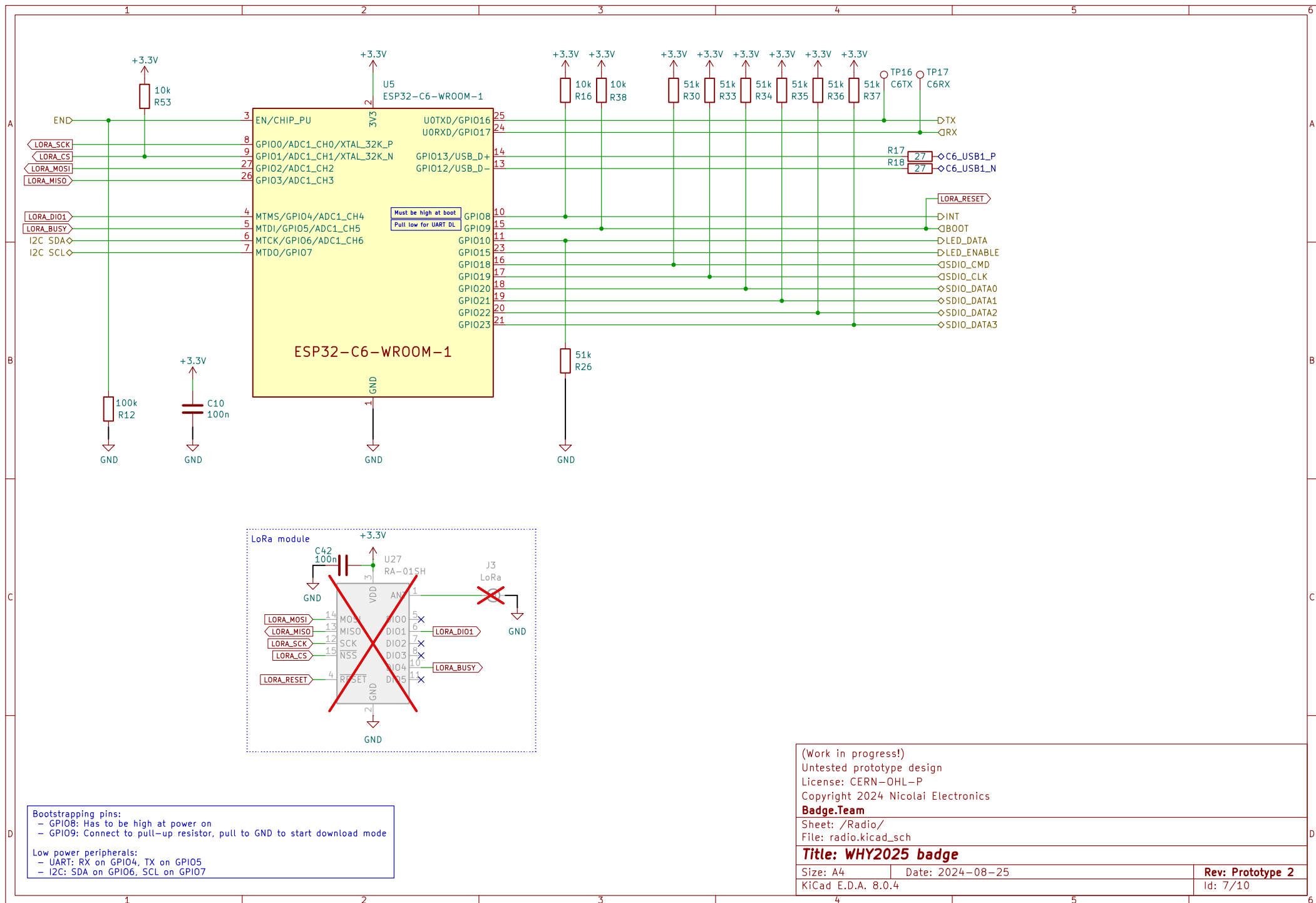
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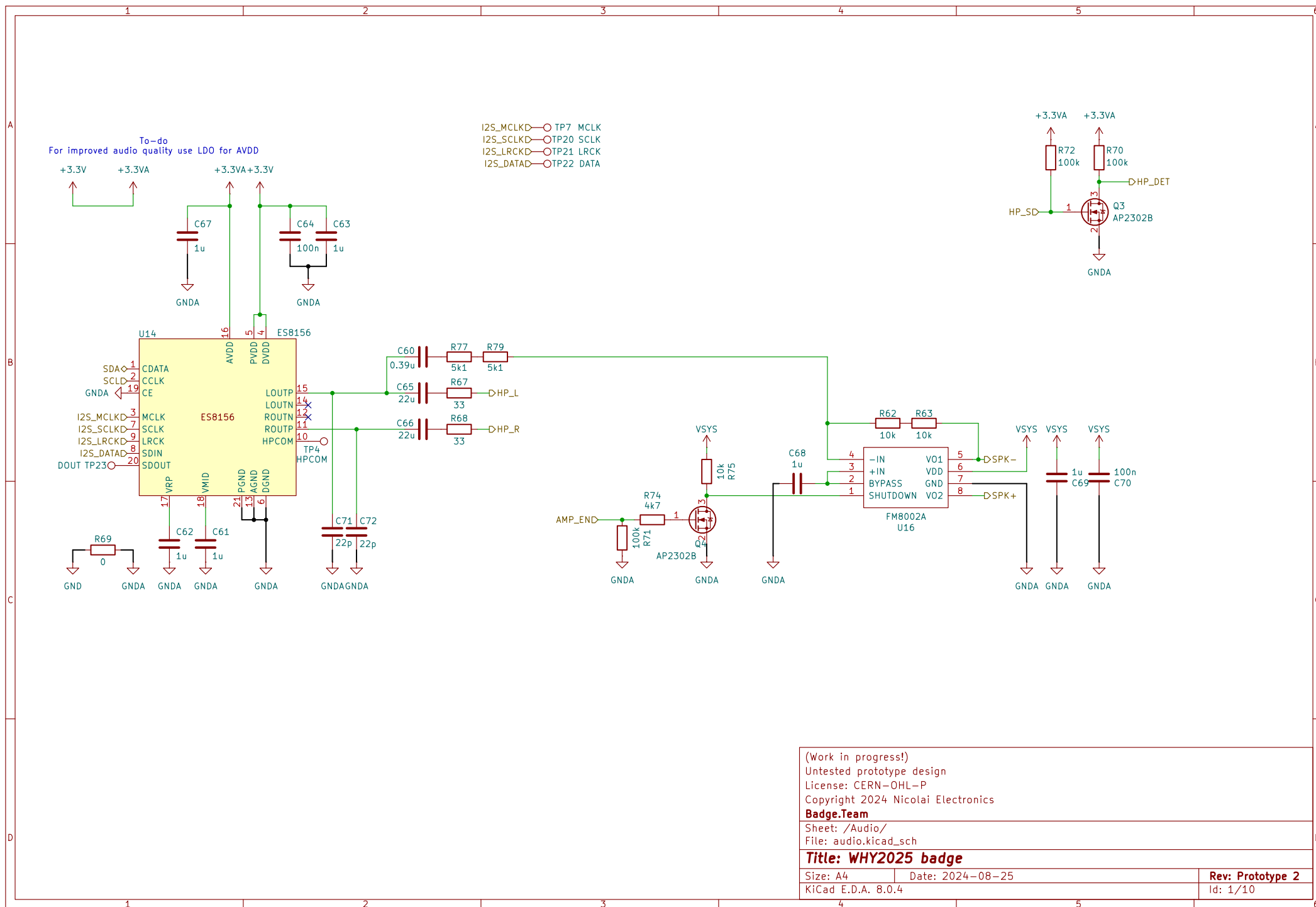
Size: A4 Date: 2024-08-25

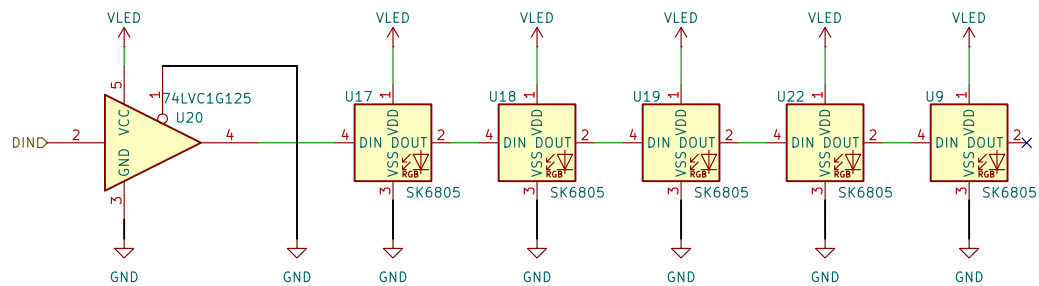
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Rev: Prototype 2

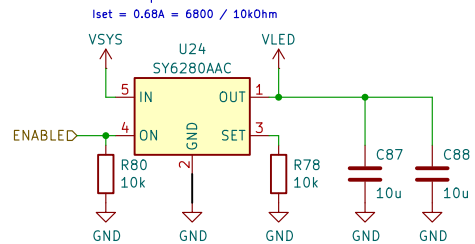
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Switched power: Vin for LEDs



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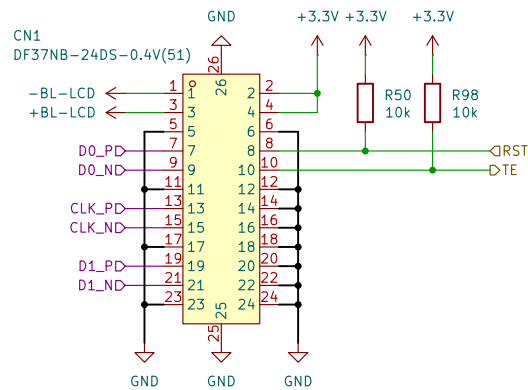
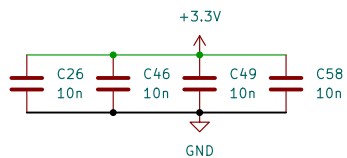
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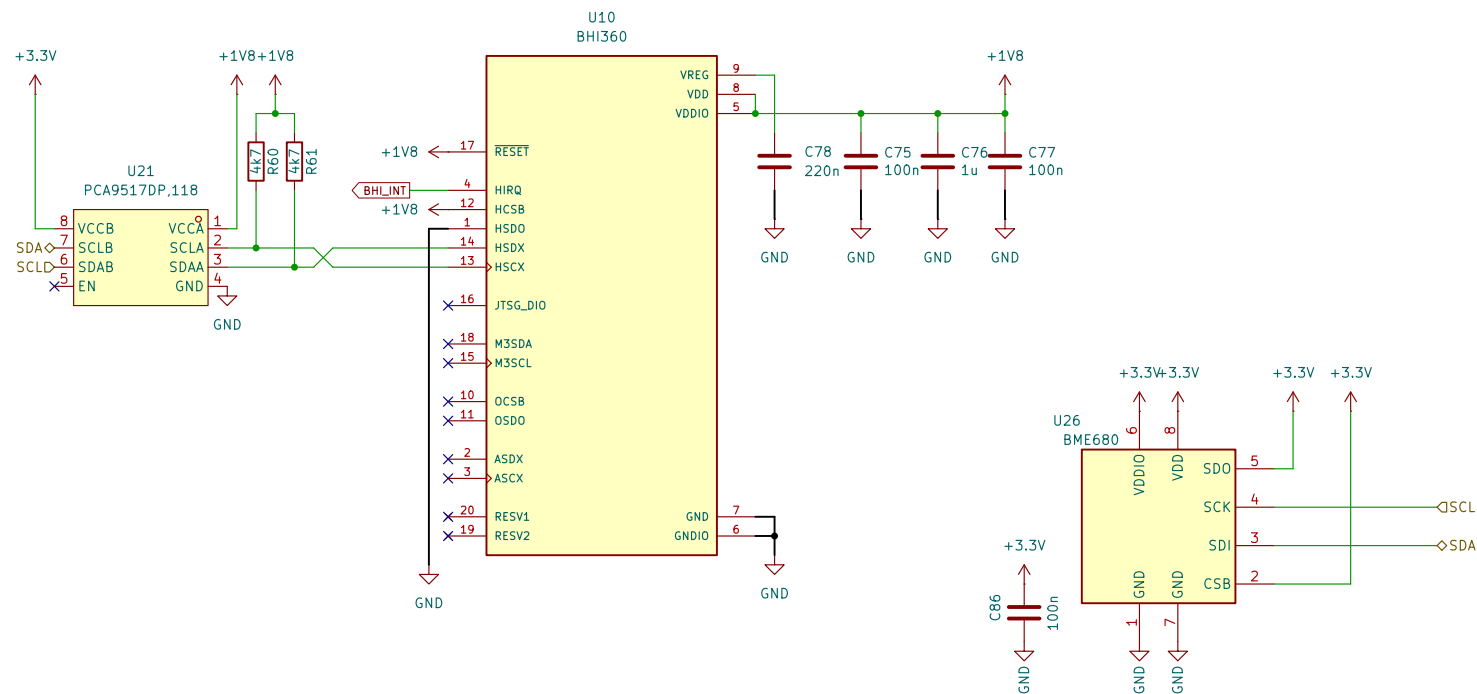
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So some mapping needs to be done here, if another footprint is inserted here.



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Sheet: /Sensors/
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Size: A4 Date: 2024-08-25

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Rev: Prototype 2

Id: 11/10