

<https://github.com/xtremespb/frank>

Mikhail Matveev

Sheet: /RP2040/

File: rp2040.kicad_sch

Title: Protea

Size: A4

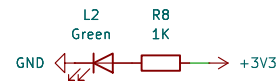
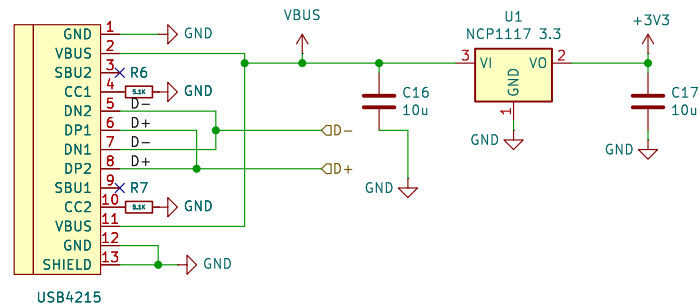
Date: 2025-03-08

KiCad E.D.A. 9.0.0

Rev: 2.03

Id: 2/9

The power source is USB-C connector.
The NCP1117 transforms +5V to +3V3.



The LED indicates +3V power availability.
Usually it's green, but you decide ;-)

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Sheet: /Power/

File: power.kicad_sch

Title: Protea

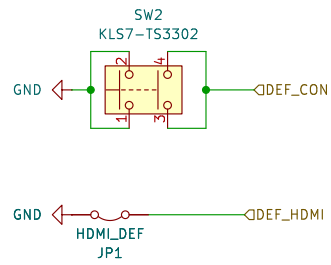
Size: A4

Date: 2025-03-08

Rev: 2.03

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Id: 3/9



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Mikhail Matveev

Sheet: /Defaults/

File: button.kicad_sch

Title: Protea

Size: A4

Date: 2025-03-08

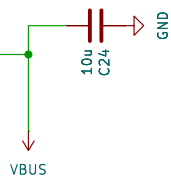
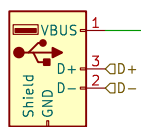
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USB2
676430910



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Sheet: /USB A/

File: usba.kicad_sch

Title: Protea

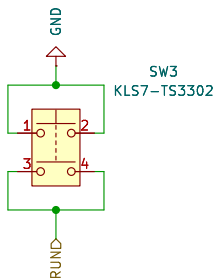
Size: A4

Date: 2025-03-08

Rev: 2.03

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Id: 9/9



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Sheet: /Reset/

File: reset.kicad_sch

Title: Protea

Size: A4

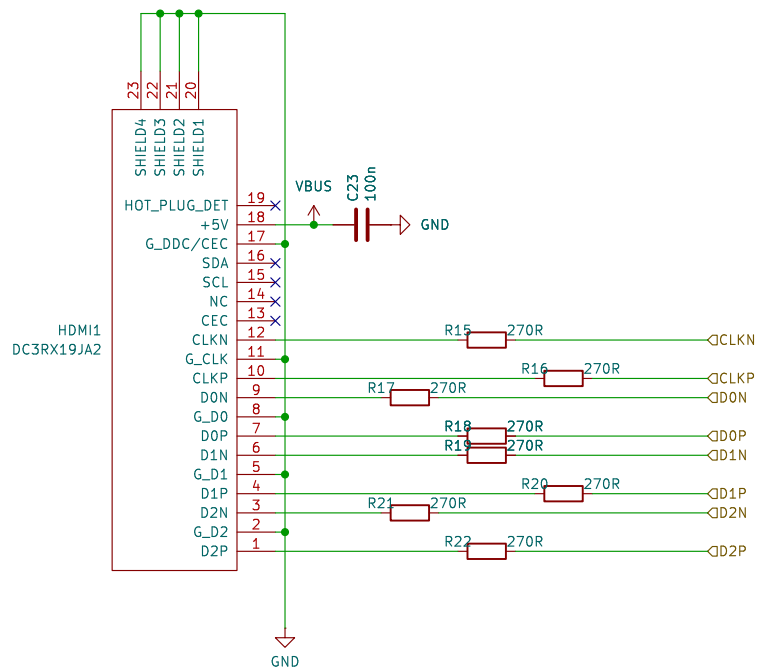
Date: 2025-03-08

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Id: 9/9

HDMI video output requires the resistors to be close to the HDMI socket in order to work properly.



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Sheet: /HDMI/

File: hdmi.kicad_sch

Title: Protea

Size: A4

Date: 2025-03-08

Rev: 2.03

KiCad E.D.A. 9.0.0

Id: 10/9