

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

Mikhail Matveev

Sheet: /Tape Loader/

File: tape.kicad_sch

Title: Valera

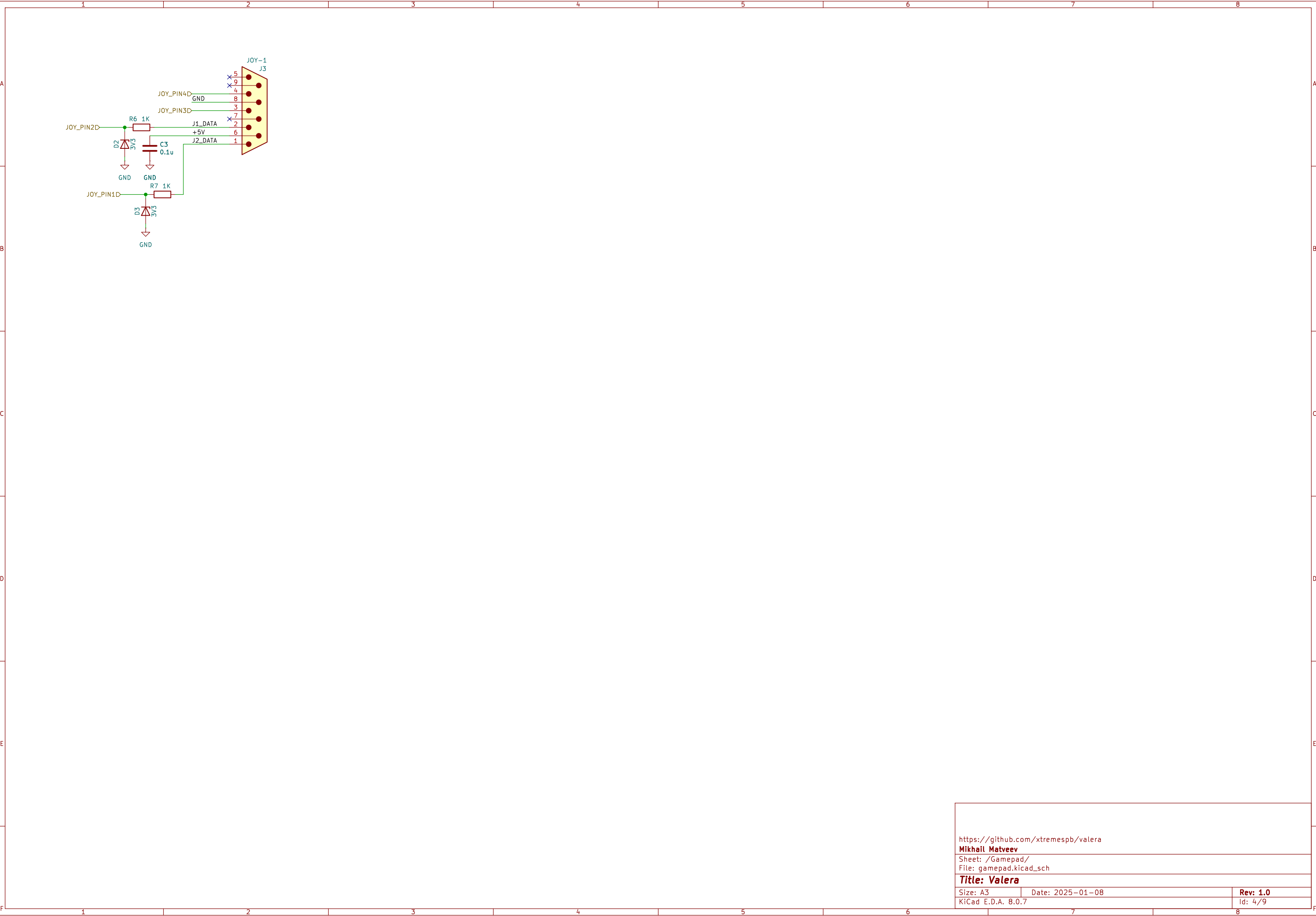
Size: A3

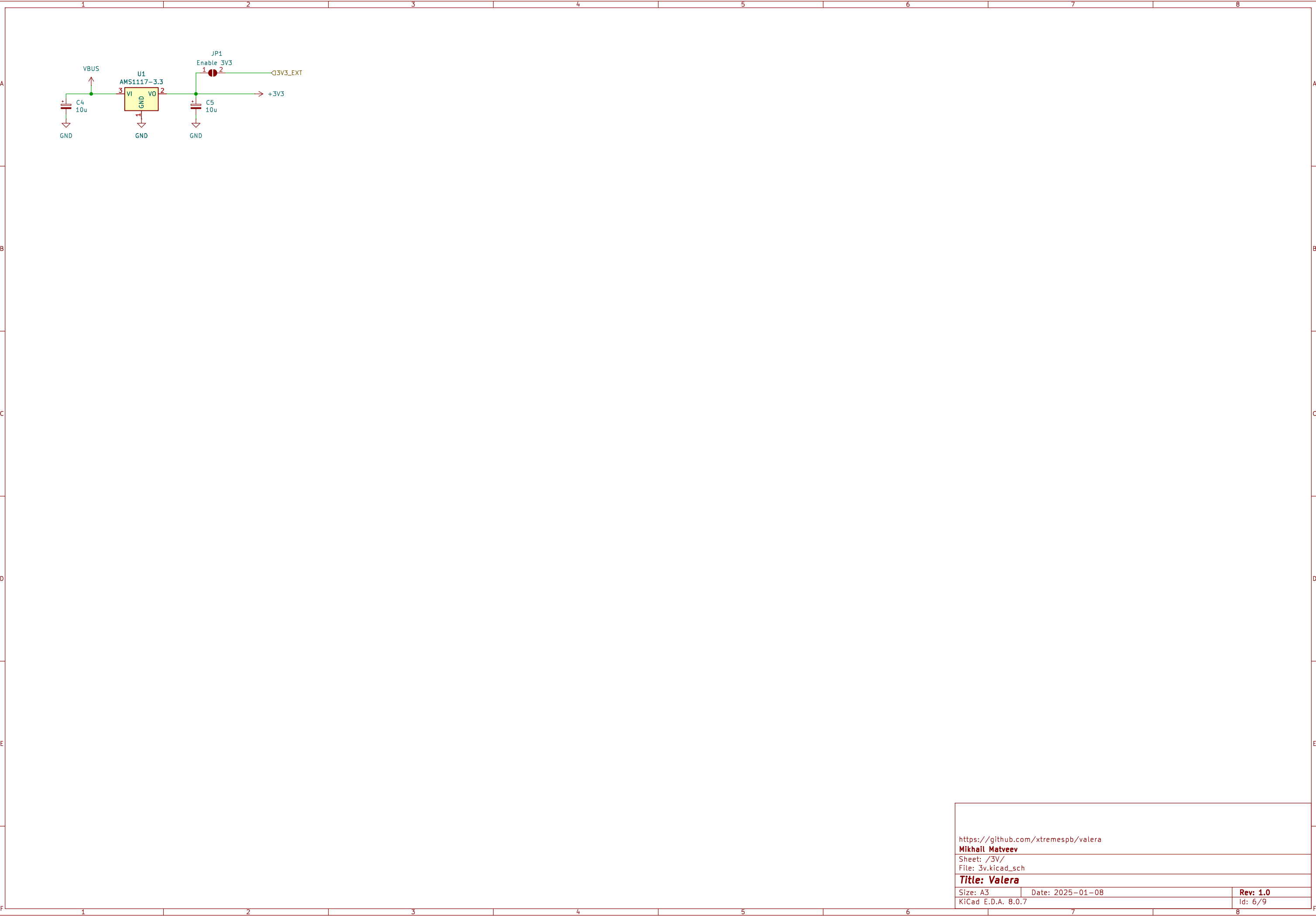
Date: 2025-01-08

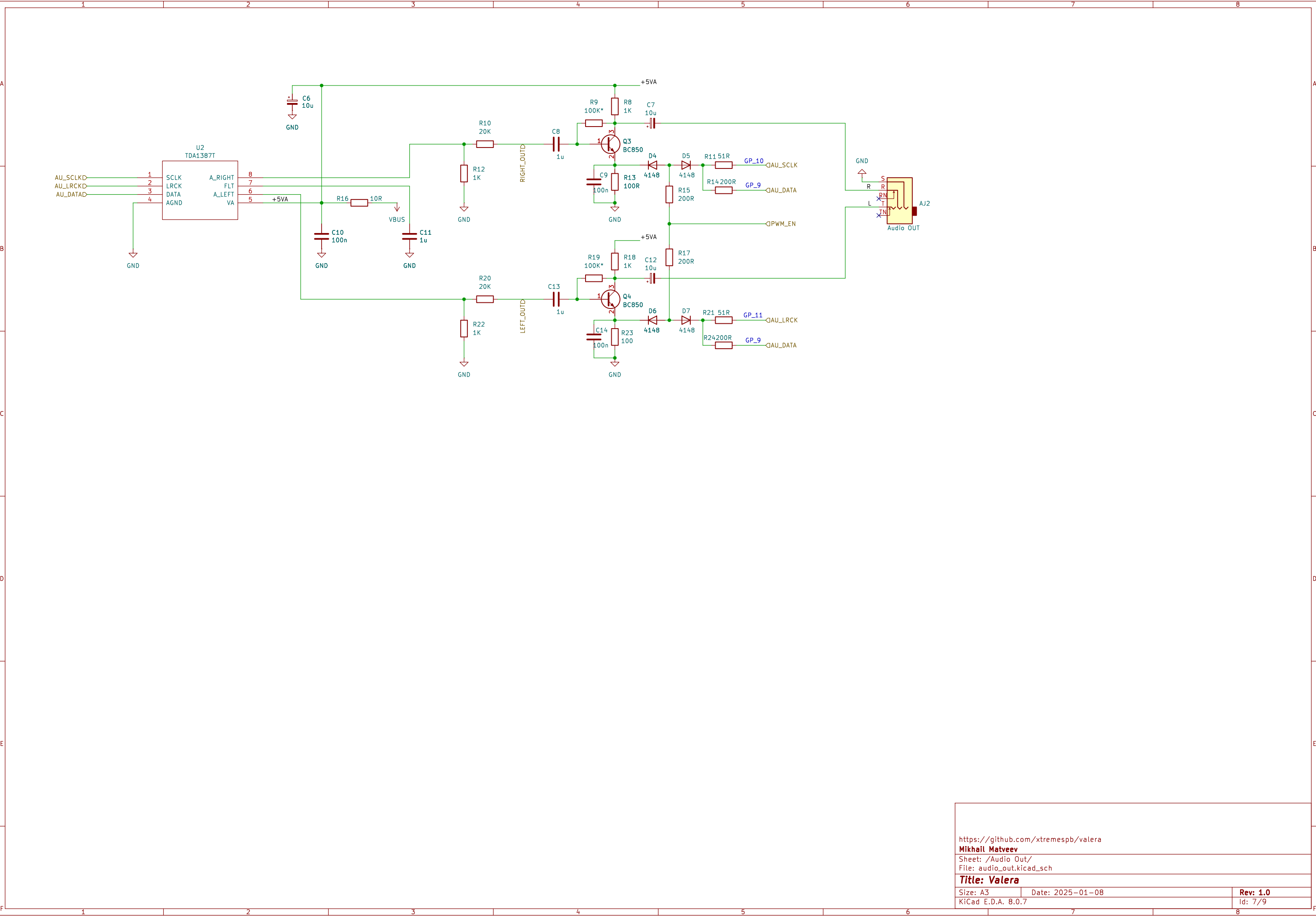
Rev: 1.0

KiCad E.D.A. 8.0.7

Id: 3/9







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Mikhail Matveev

Sheet: /Audio Out/

File: audio_out.kicad_sch

Title: Valera

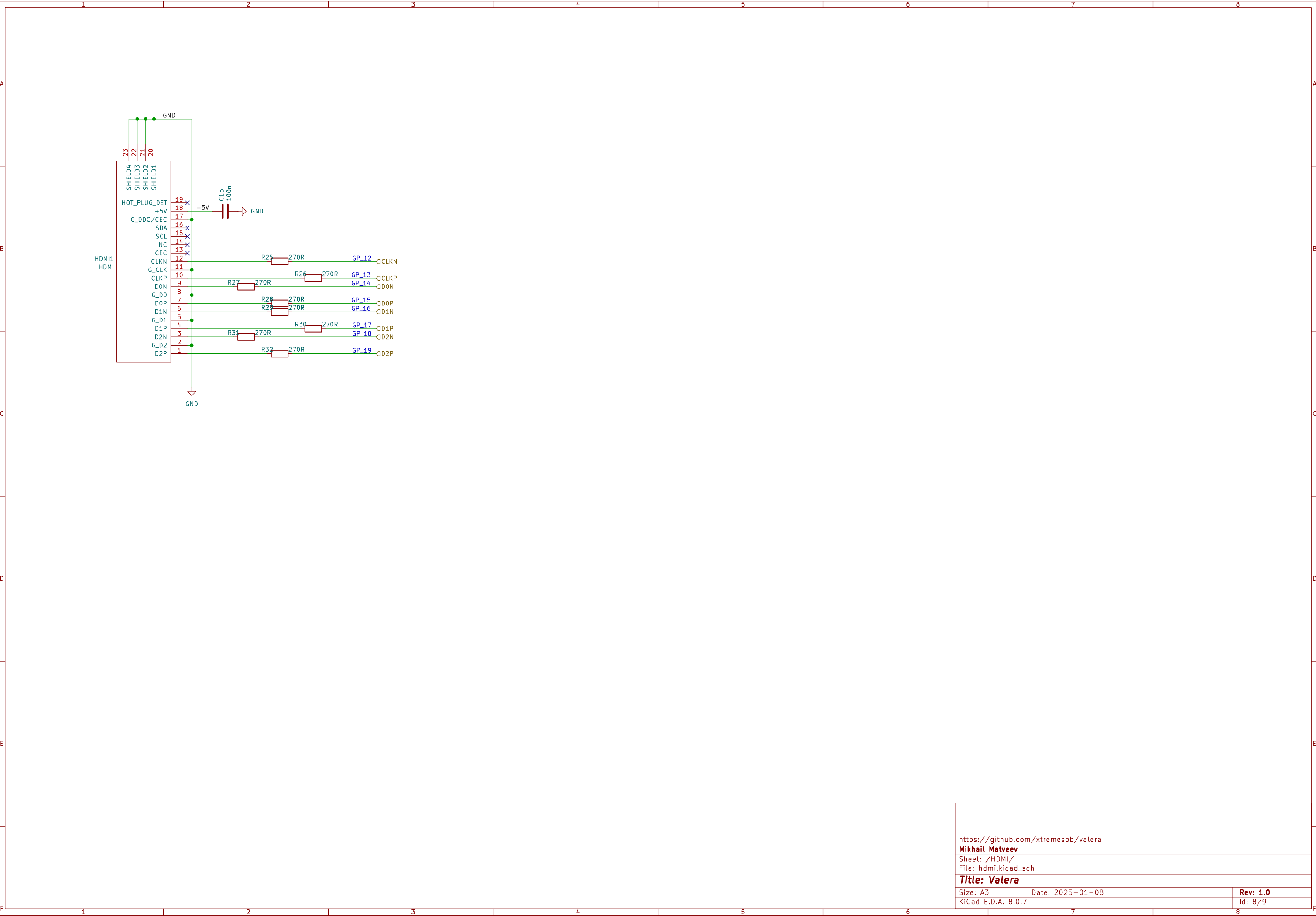
Size: A3

Date: 2025-01-08

Rev: 1.0

KiCad E.D.A. 8.0.7

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Mikhail Matveev

Sheet: /HDMI/
File: hdmi.kicad_sch

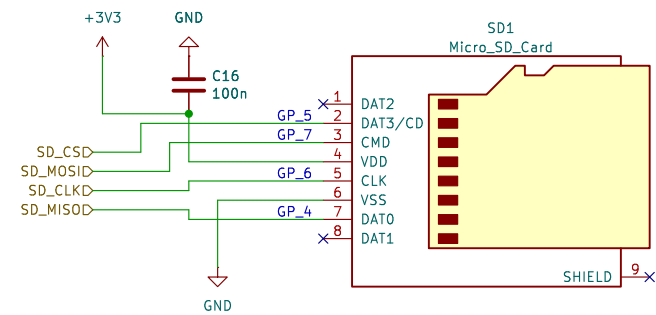
Title: Valera

Size: A3 Date: 2025-01-08

KiCad E.D.A. 8.0.7

Rev: 1.0

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Mikhail Matveev

Sheet: /Micro SD/
File: microsd.kicad_sch

Title: Valera

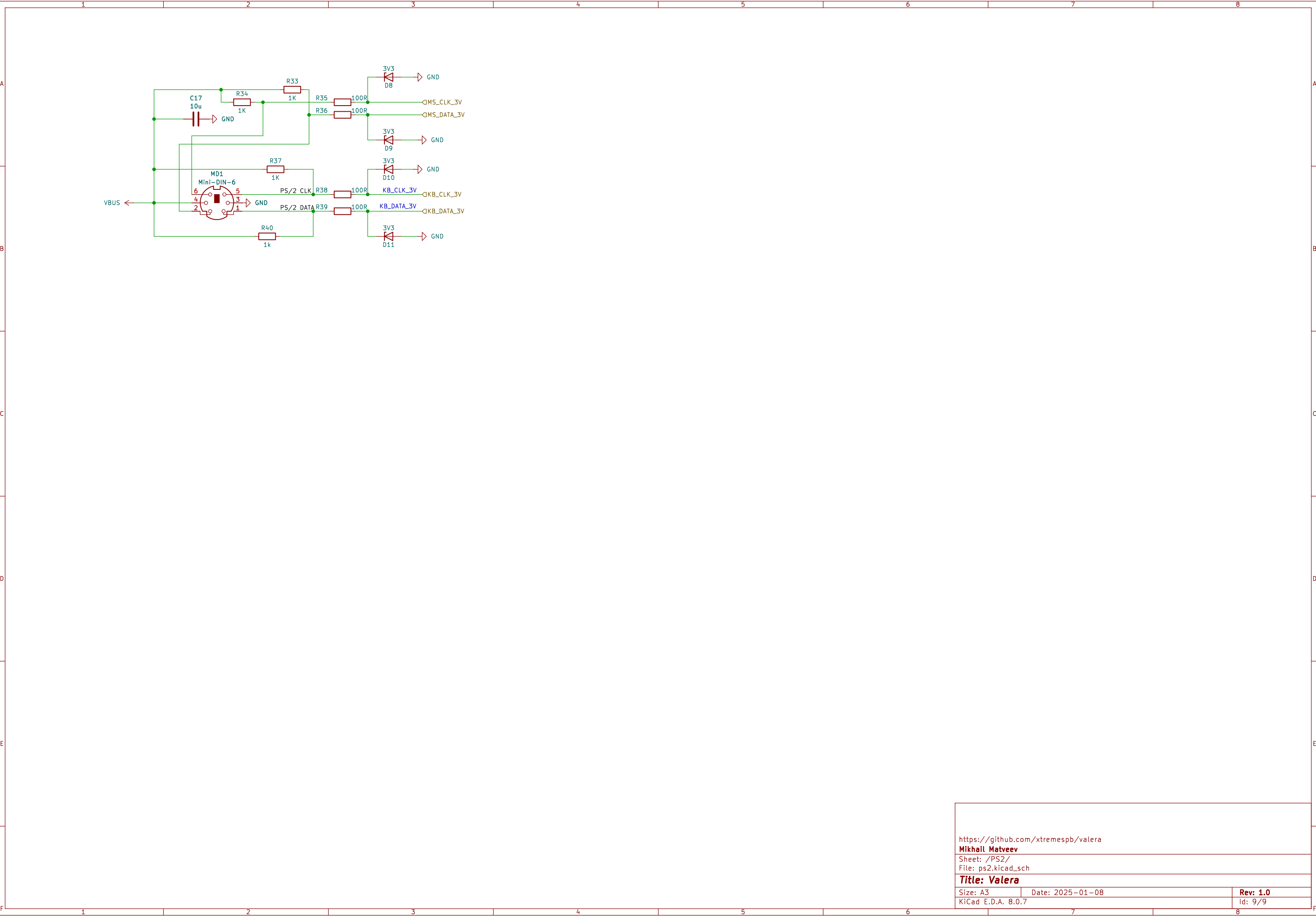
Size: A3

Date: 2025-01-08

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Mikhail Matveev

Sheet: /PS2/

File: ps2.kicad_sch

Title: Valera

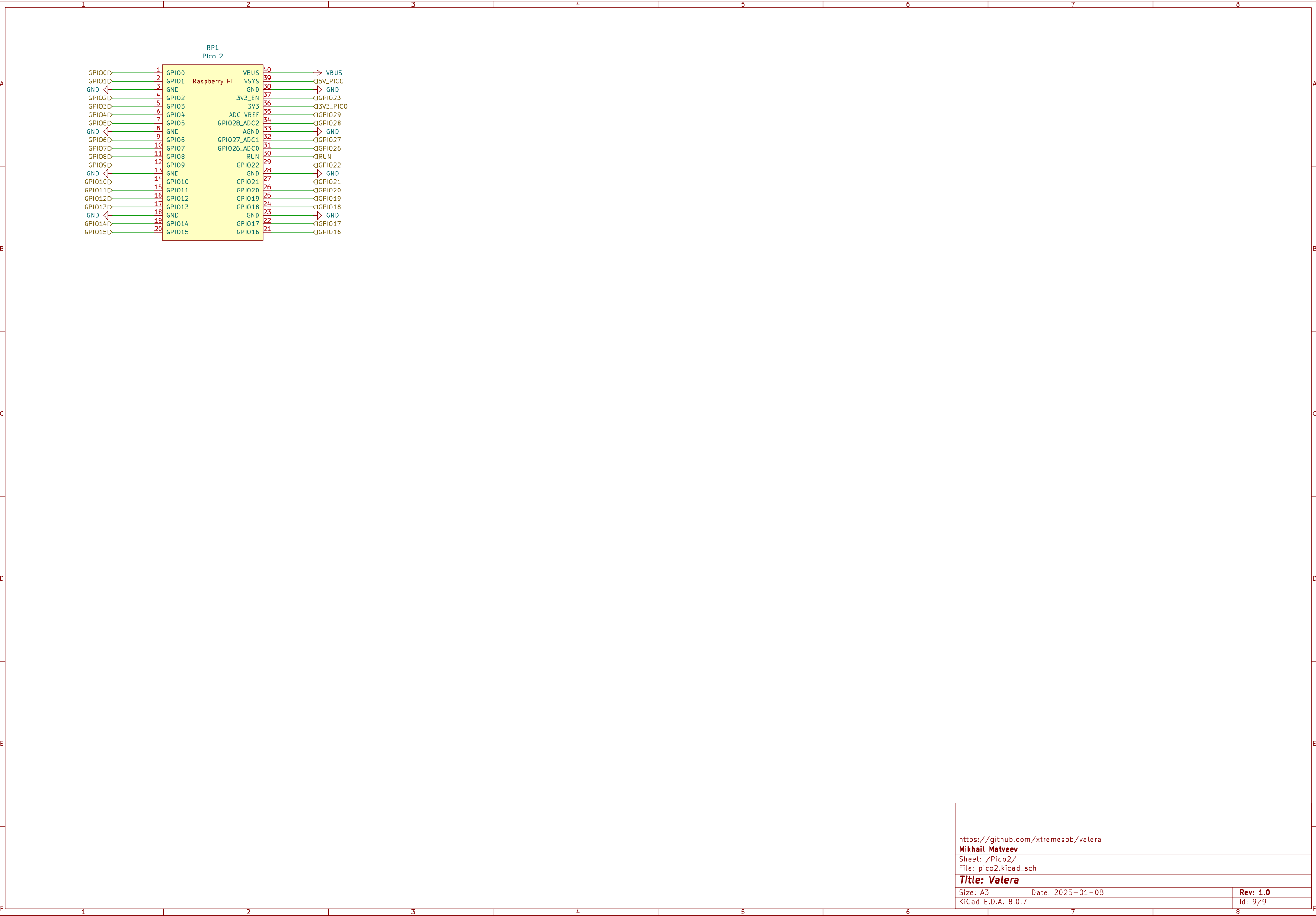
Size: A3

Date: 2025-01-08

Rev: 1.0

KiCad E.D.A. 8.0.7

Id: 9/9



A

B

C

D

E

F

12345678

RP1
Pico 2

GPIO0

GPIO1

GND

GPIO2

GPIO3

GPIO4

GPIO5

GND

GPIO6

GPIO7

GPIO8

GPIO9

GND

GPIO10

GPIO11

GPIO12

GPIO13

GND

GPIO14

GPIO15

GPIO0

GPIO1

GND

GPIO2

GPIO3

GPIO4

GPIO5

GND

GPIO6

GPIO7

GPIO8

GPIO9

GND

GPIO10

GPIO11

GPIO12

GPIO13

GND

GPIO14

GPIO15

VBUS

VSYS

GND

3V3_EN

3V3

ADC_VREF

GPIO28_ADC2

AGND

GPIO27_ADC1

GPIO26_ADC0

RUN

GPIO22

GND

GPIO21

GPIO20

GPIO19

GPIO18

GND

GPIO17

GPIO16

40

39

38

37

36

35

34

33

32

31

30

29

28

27

26

25

24

23

22

21

→ VBUS

↵15V_PICO

↵ GND

↵GPIO23

↵3V3_PICO

↵GPIO29

↵GPIO28

↵ GND

↵GPIO27

↵GPIO26

↵RUN

↵GPIO22

↵ GND

↵GPIO21

↵GPIO20

↵GPIO19

↵GPIO18

↵ GND

↵GPIO17

↵GPIO16

GPIO0↵1

GPIO1↵2

GND↵3

GPIO2↵4

GPIO3↵5

GPIO4↵6

GPIO5↵7

GND↵8

GPIO6↵9

GPIO7↵10

GPIO8↵11

GPIO9↵12

GND↵13

GPIO10↵14

GPIO11↵15

GPIO12↵16

GPIO13↵17

GND↵18

GPIO14↵19

GPIO15↵20

GPIO0

GPIO1

GND

GPIO2

GPIO3

GPIO4

GPIO5

GND

GPIO6

GPIO7

GPIO8

GPIO9

GND

GPIO10

GPIO11

GPIO12

GPIO13

GND

GPIO14

GPIO15

GPIO0

GPIO1

GND

GPIO2

GPIO3

GPIO4

GPIO5

GND

GPIO6

GPIO7

GPIO8

GPIO9

GND

GPIO10

GPIO11

GPIO12

GPIO13

GND

GPIO14

GPIO15

VBUS

VSYS

GND

3V3_EN

3V3

ADC_VREF

GPIO28_ADC2

AGND

GPIO27_ADC1

GPIO26_ADC0

RUN

GPIO22

GND

GPIO21

GPIO20

GPIO19

GPIO18

GND

GPIO17

GPIO16

40

39

38

37

36

35

34

33

32

31

30

29

28

27

26

25

24

23

22

21

→ VBUS

↵15V_PICO

↵ GND

↵GPIO23

↵3V3_PICO

↵GPIO29

↵GPIO28

↵ GND

↵GPIO27

↵GPIO26

↵RUN

↵GPIO22

↵ GND

↵GPIO21

↵GPIO20

↵GPIO19

↵GPIO18

↵ GND

↵GPIO17

↵GPIO16

A

B

C

D

E

F

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Mikhail Matveev

Sheet: /Pico2/
File: pico2.kicad_sch

Title: Valera

Size: A3

Date: 2025-01-08

Rev: 1.0

KiCad E.D.A. 8.0.7

Id: 9/9