

MSign-NG
MLABS

Sheet: /
File: mainboard.kicad_sch

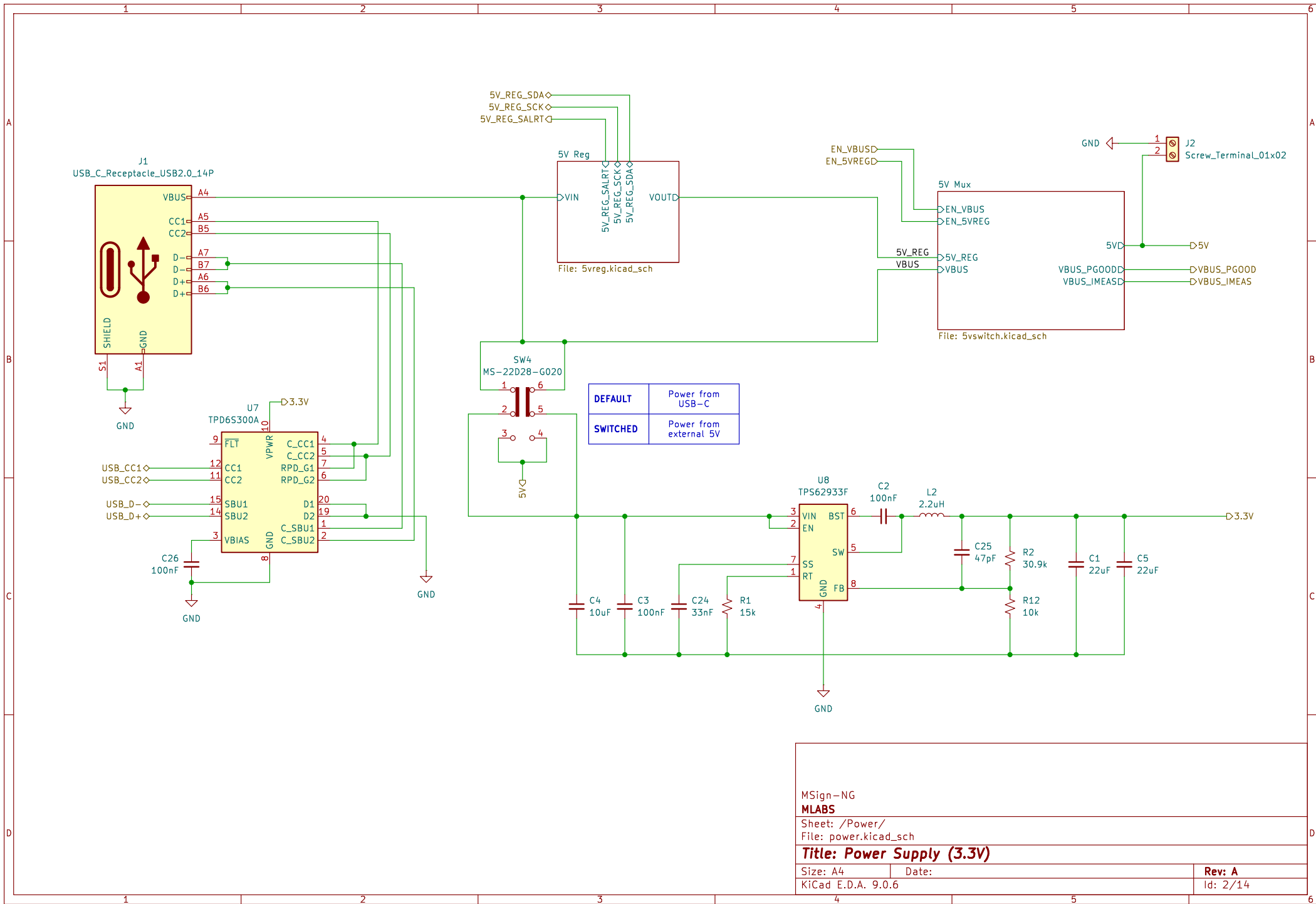
Title: Root

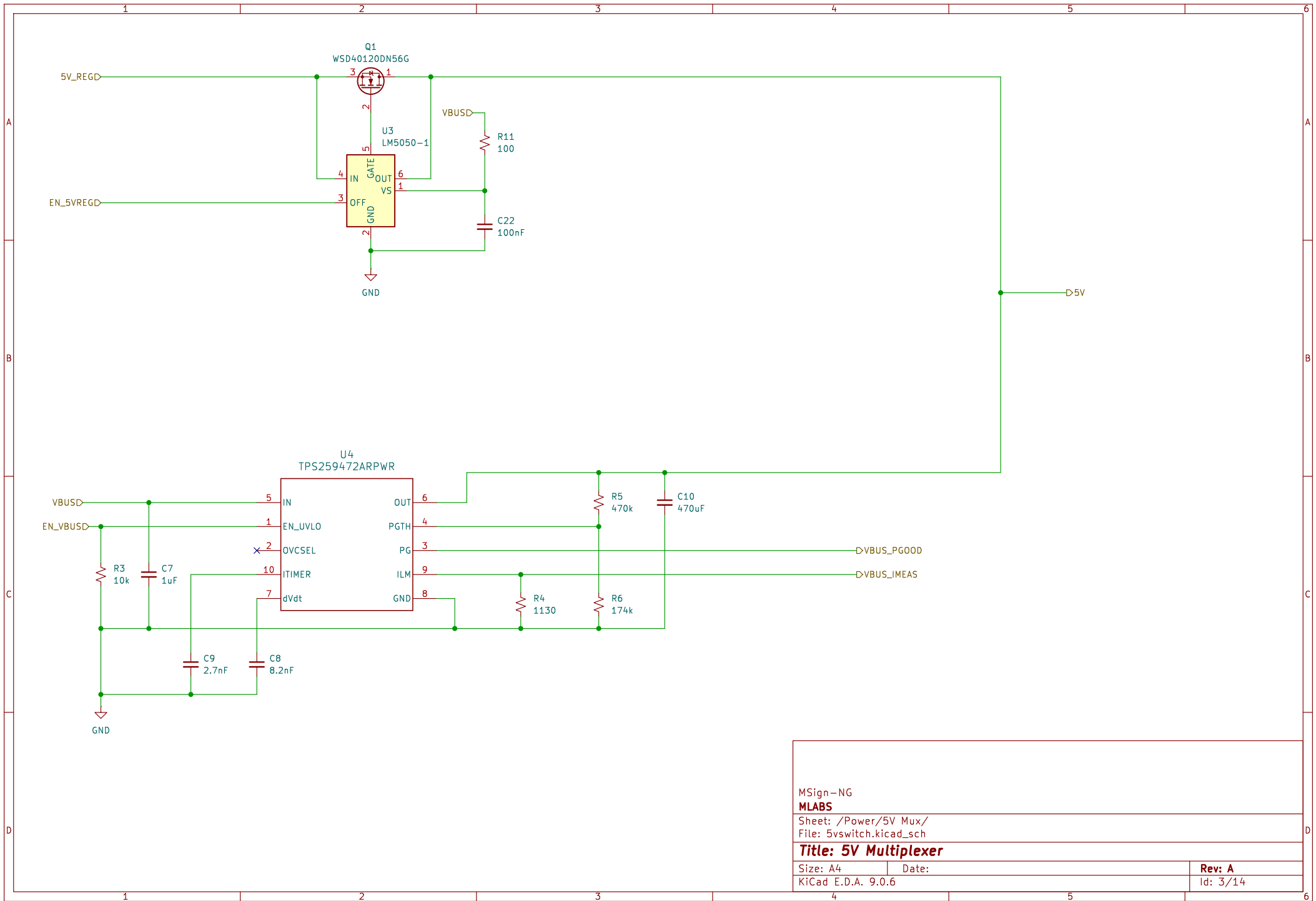
Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A

Id: 1/14





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Sheet: /Power/5V Mux/
File: 5vswitch.kicad_sch

Title: 5V Multiplexer

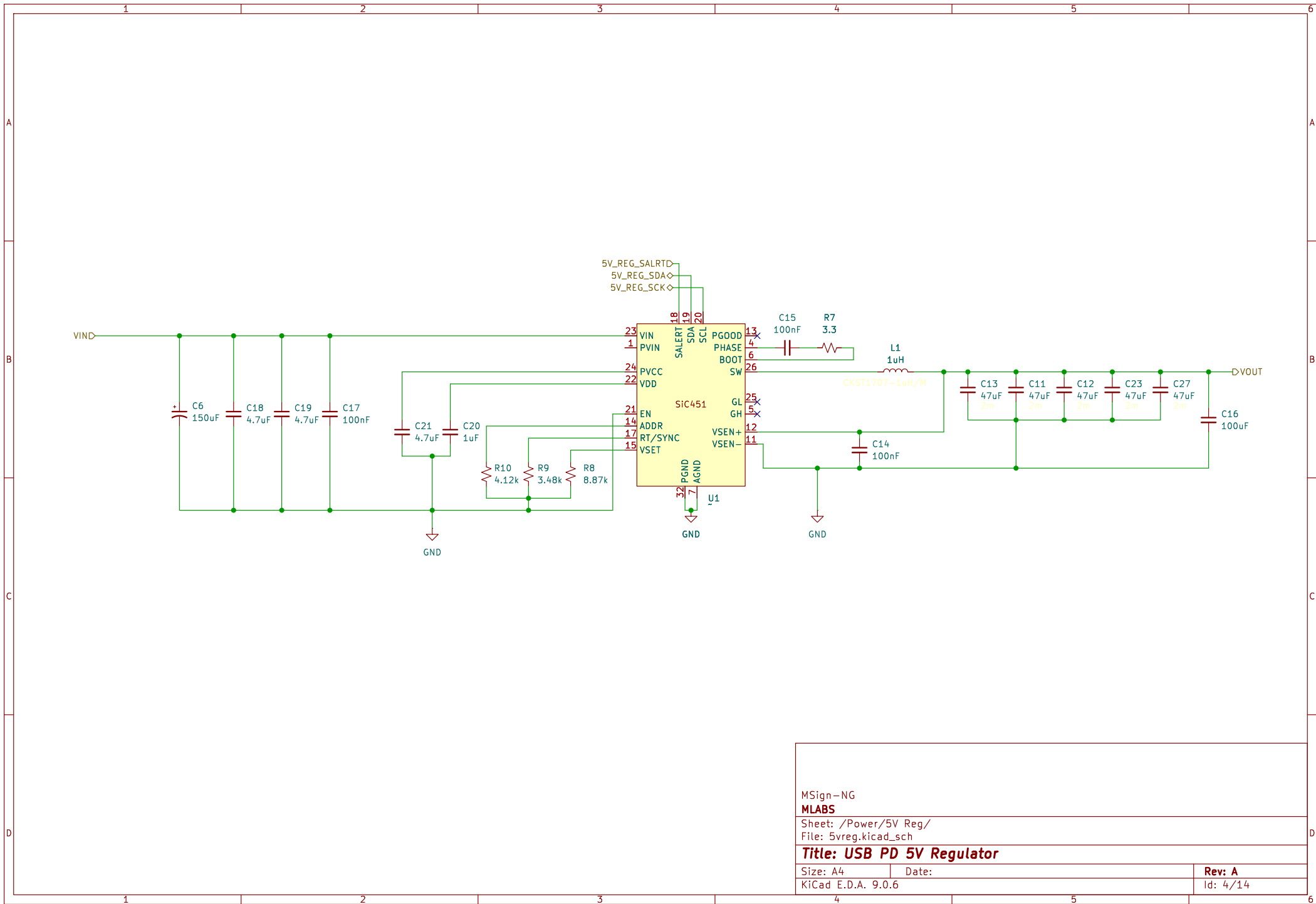
Size: A4

Date:

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Rev: A

Id: 3/14



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Sheet: /Power/5V Reg/
File: 5vreg.kicad_sch

Title: USB PD 5V Regulator

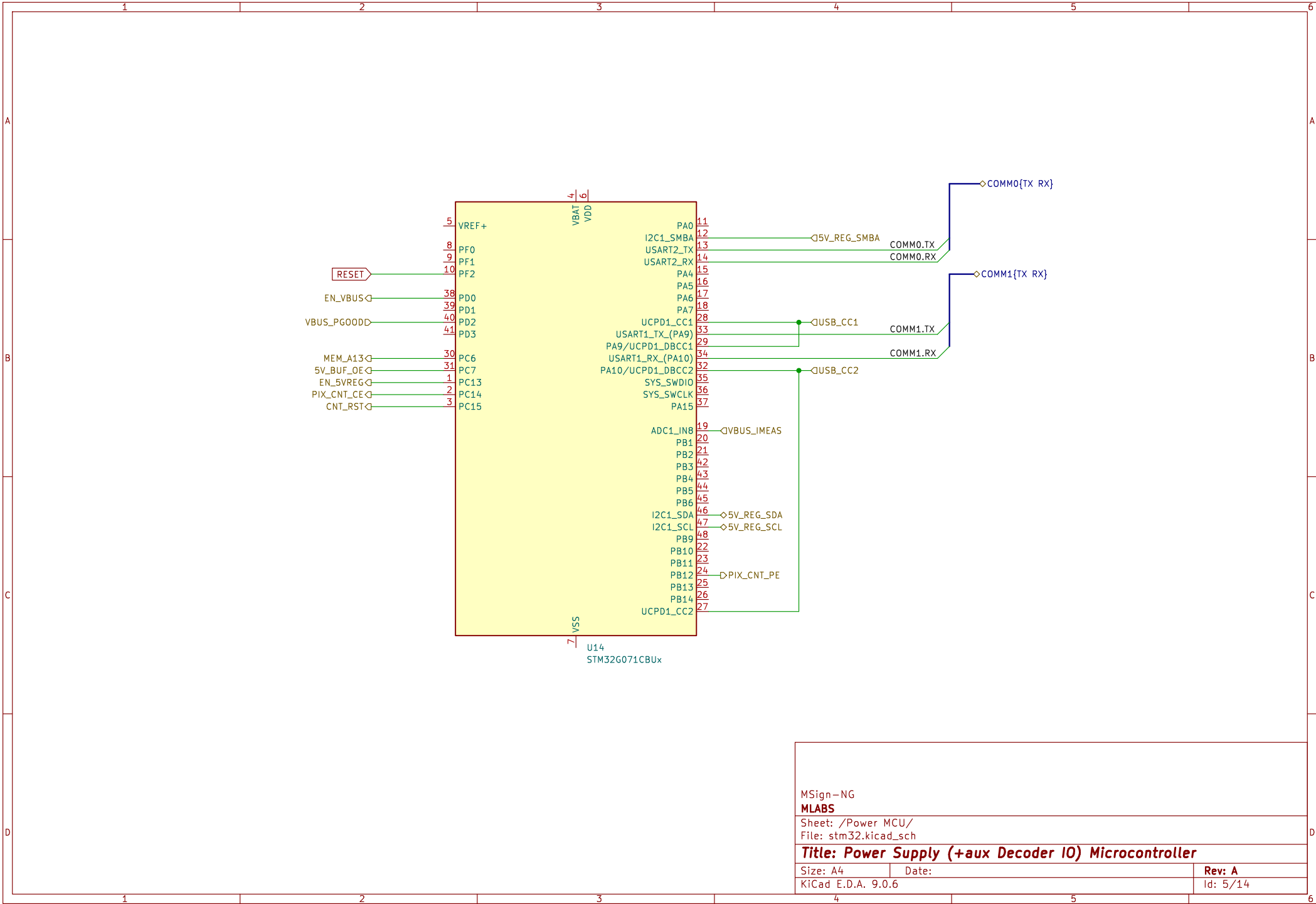
Size: A4

Date:

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Rev: A

Id: 4/14

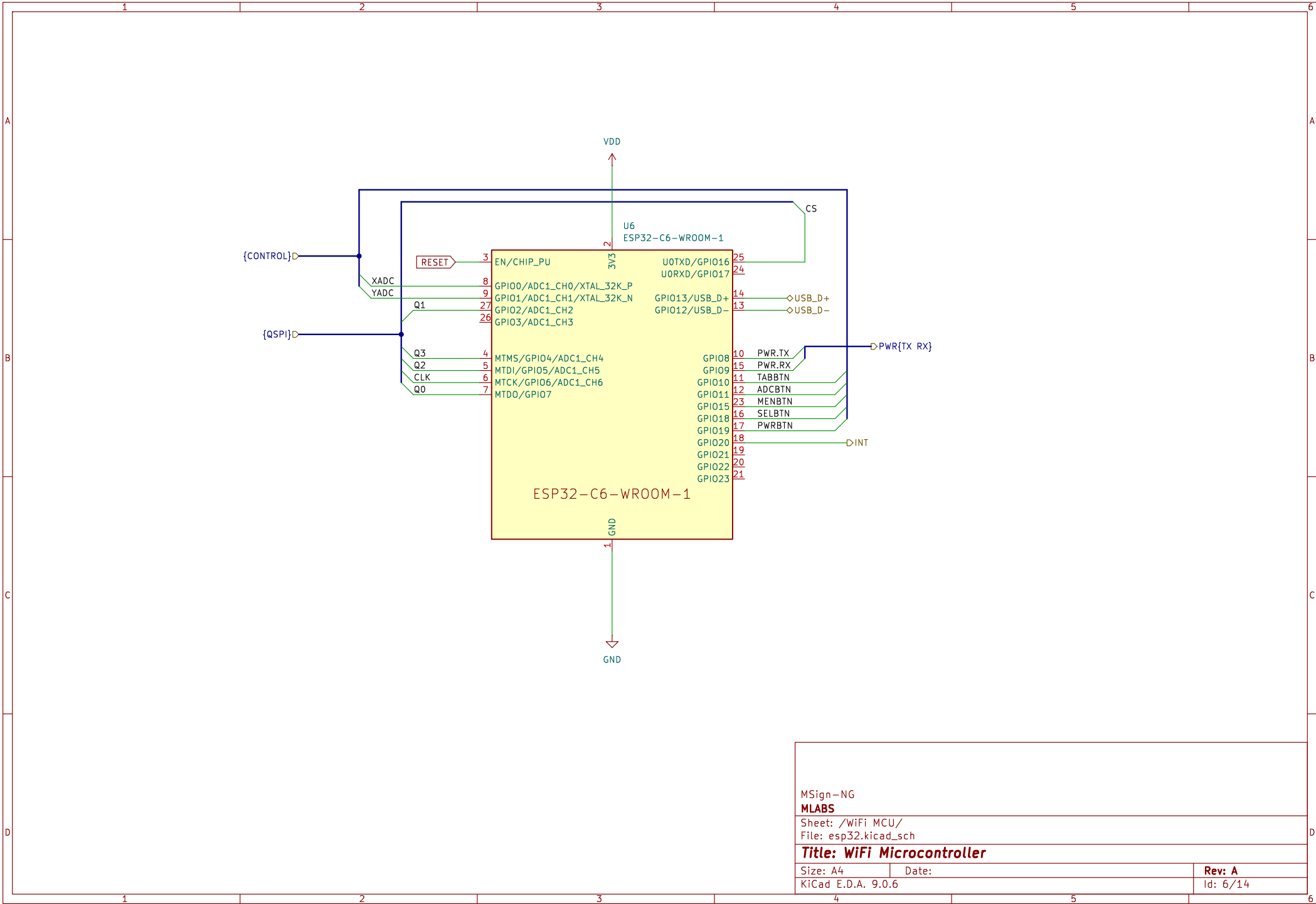


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Sheet: /Power MCU/
File: stm32.kicad_sch

Title: Power Supply (+aux Decoder IO) Microcontroller

Size: A4	Date:	Rev: A
KiCad E.D.A. 9.0.6		Id: 5/14



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Sheet: /WiFi MCU/
File: esp32.kicad_sch

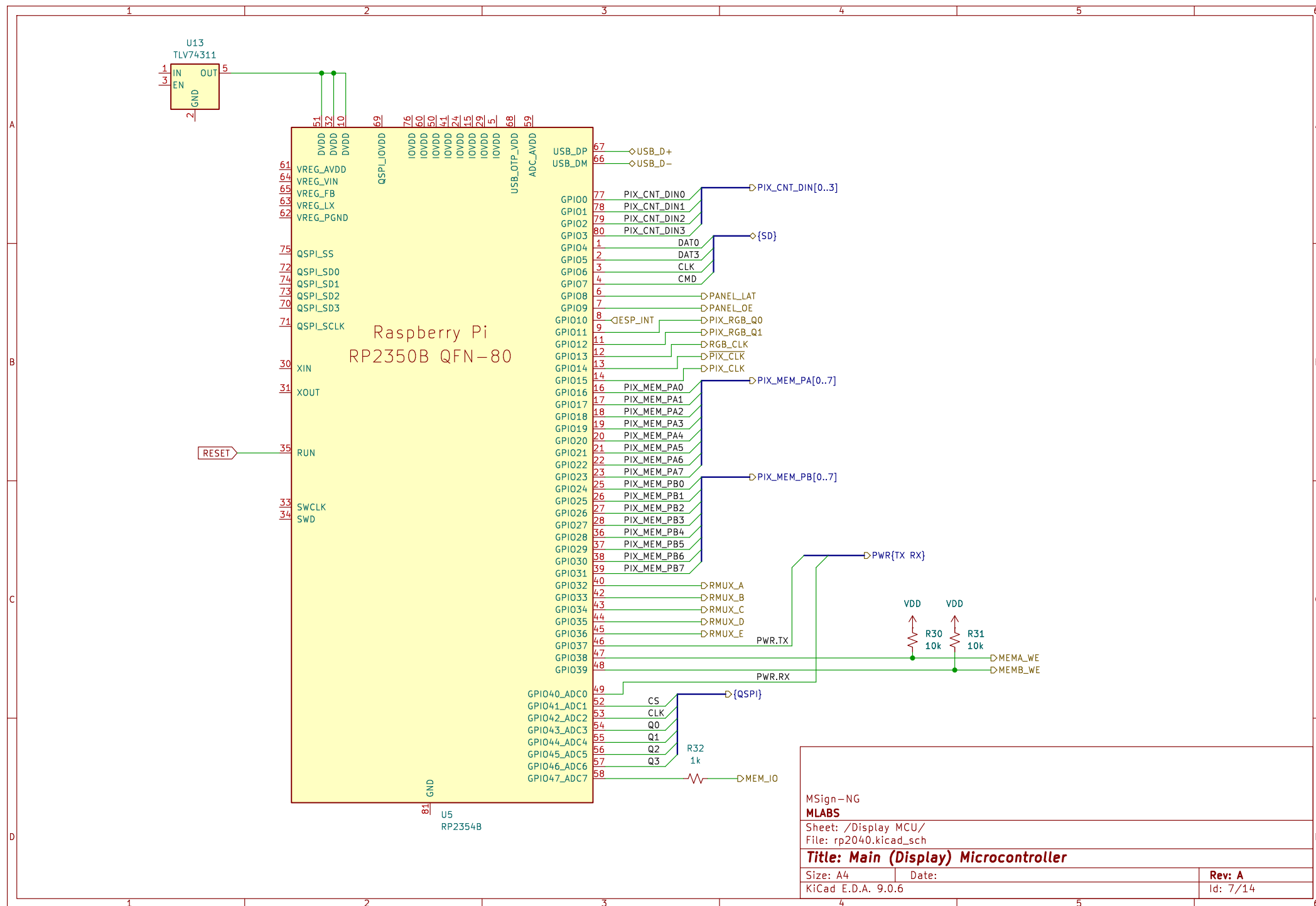
Title: WiFi Microcontroller

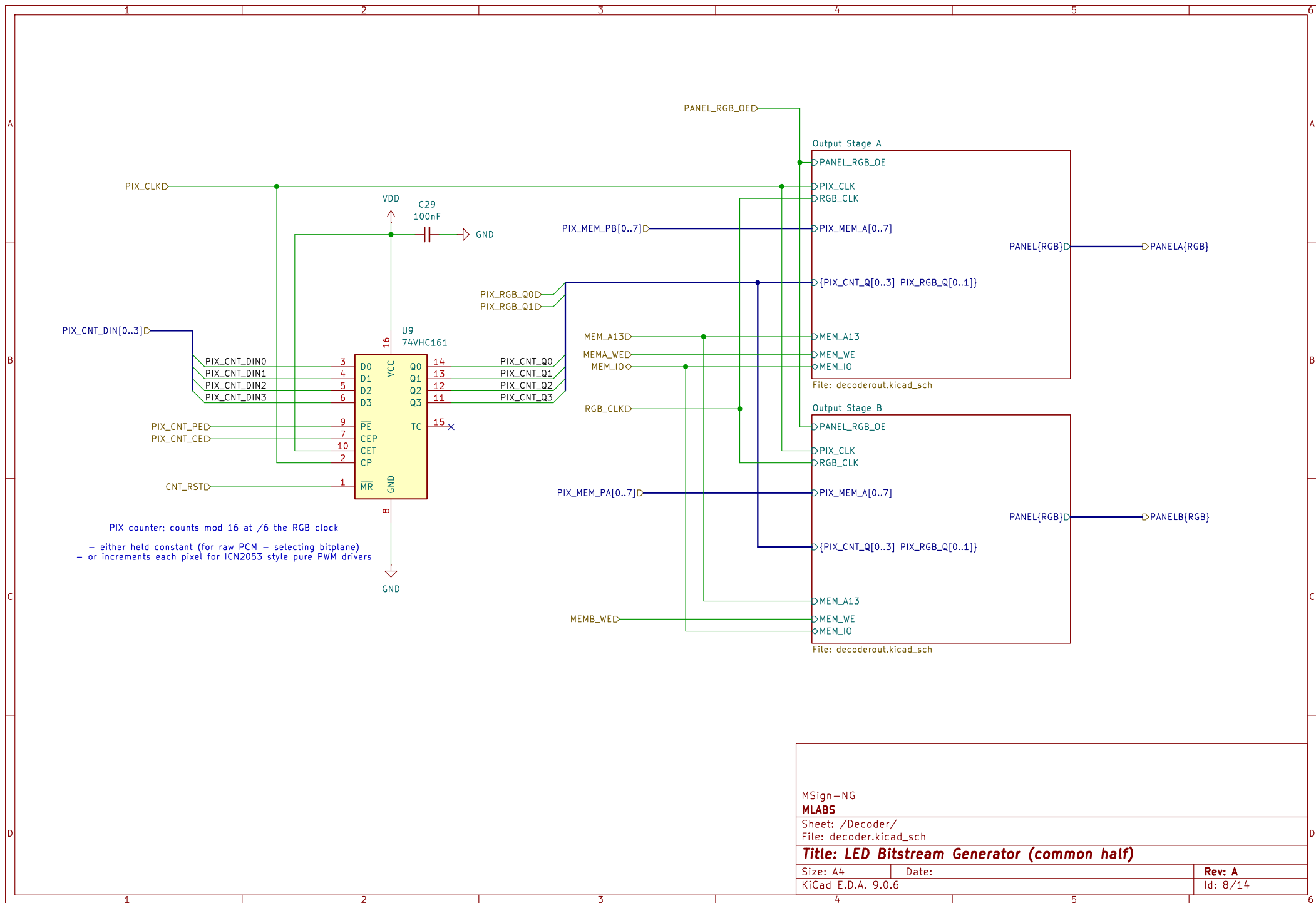
Size: A4
KiCad E.D.A. 9.0.6

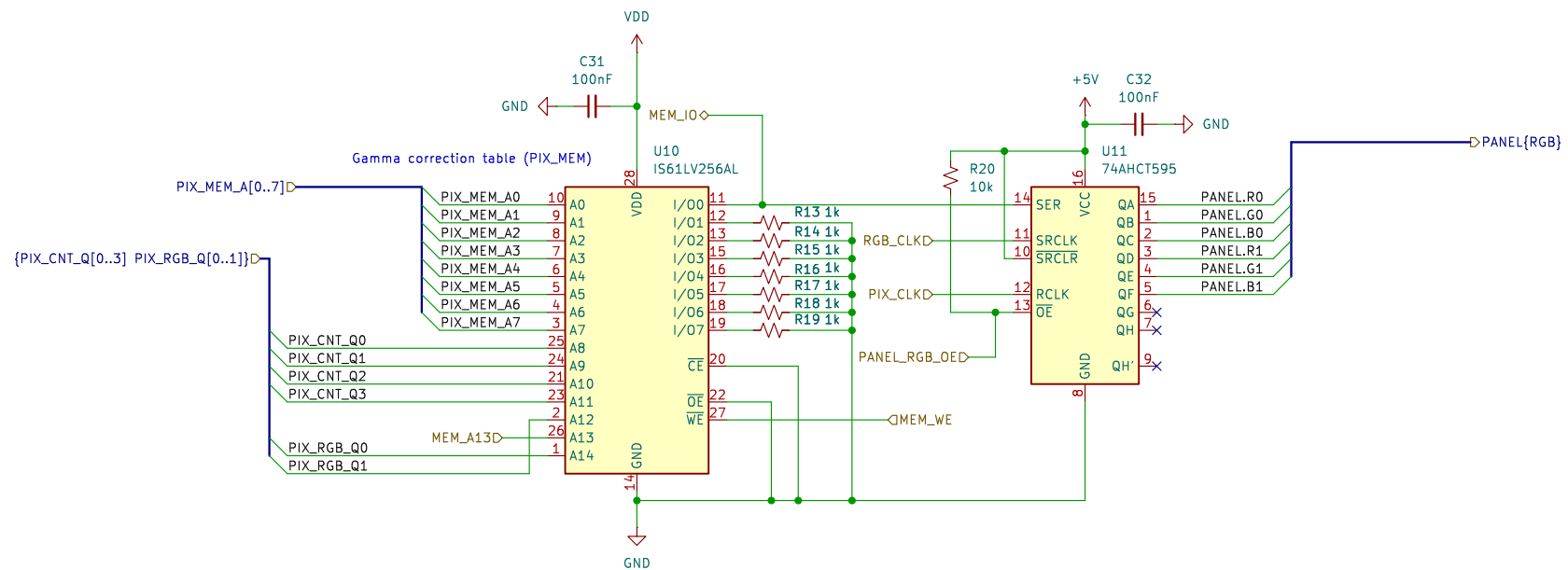
Date:

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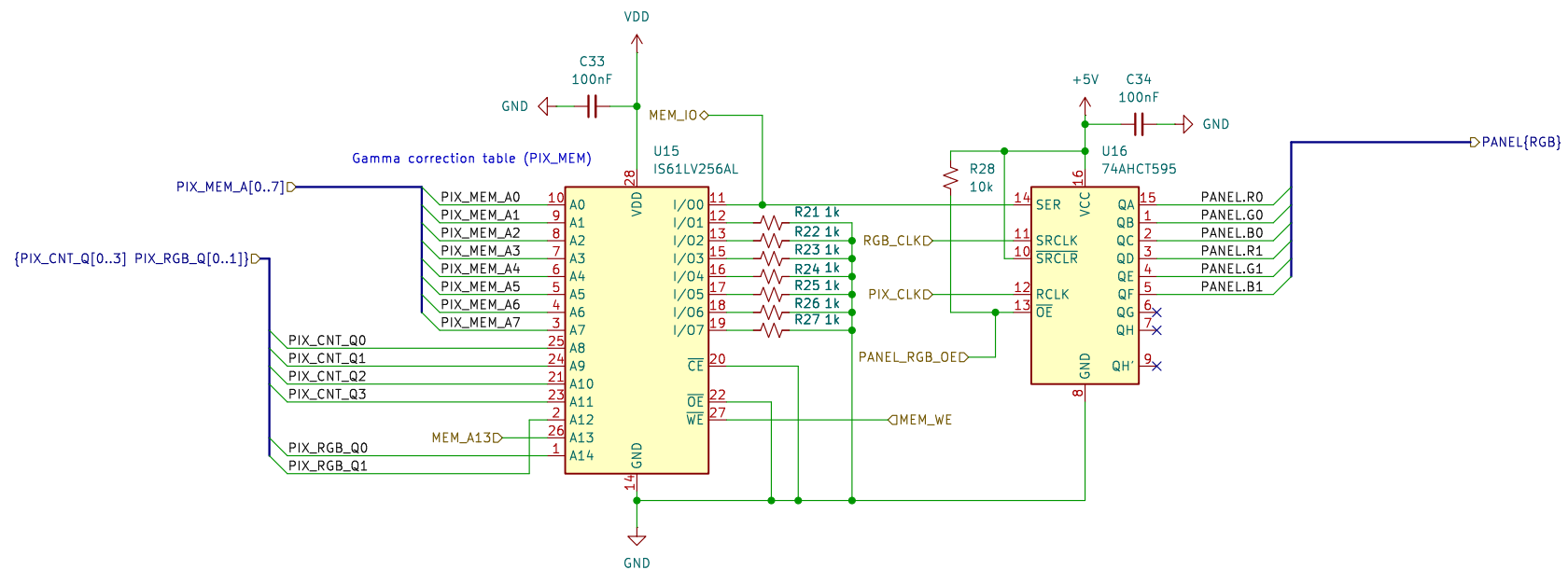
Sheet: /Decoder/Output Stage A/
File: decoderout.kicad_sch

Title: LED Bitstream Generator (gamma LUT + shifter)

Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A
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Sheet: /Decoder/Output Stage B/
File: decoderout.kicad_sch

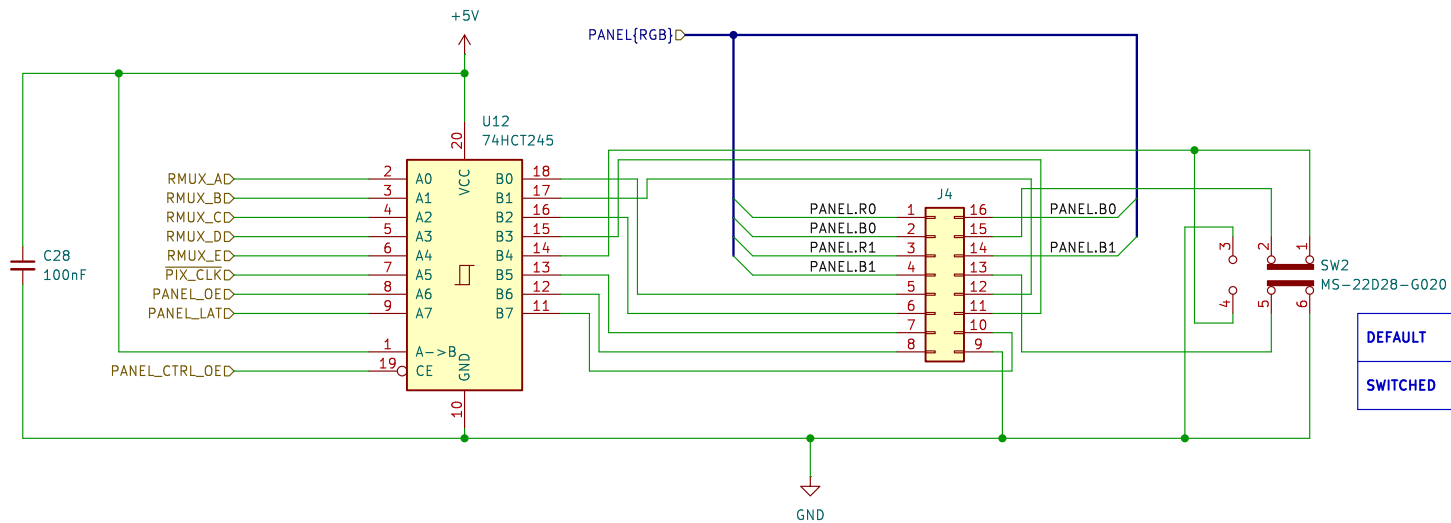
Title: LED Bitstream Generator (gamma LUT + shifter)

Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A

Id: 10/14



DEFAULT	E on top of connector
SWITCHED	E on bottom of connector

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Sheet: /LED Connection A/
File: matrixandbuffer.kicad_sch

Title: LED Level Shifter + Socket

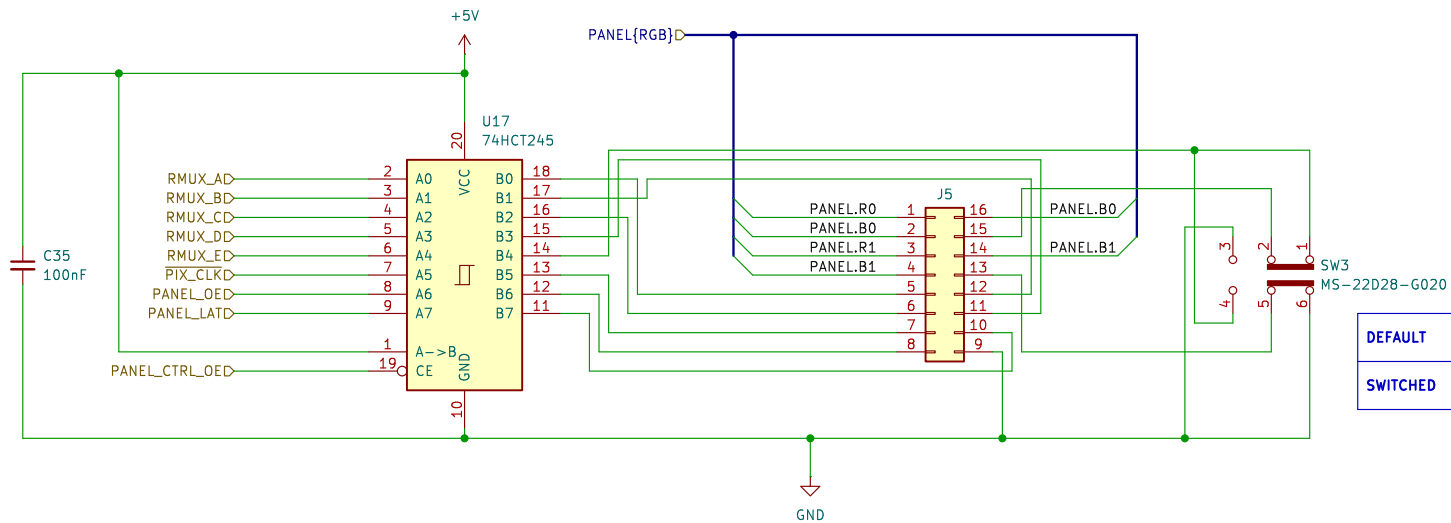
Size: A4

Date:

Rev: A

KiCad E.D.A. 9.0.6

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DEFAULT	E on top of connector
SWITCHED	E on bottom of connector

MSign-NG
MLABS

Sheet: /LED Connection B/
File: matrixandbuffer.kicad_sch

Title: LED Level Shifter + Socket

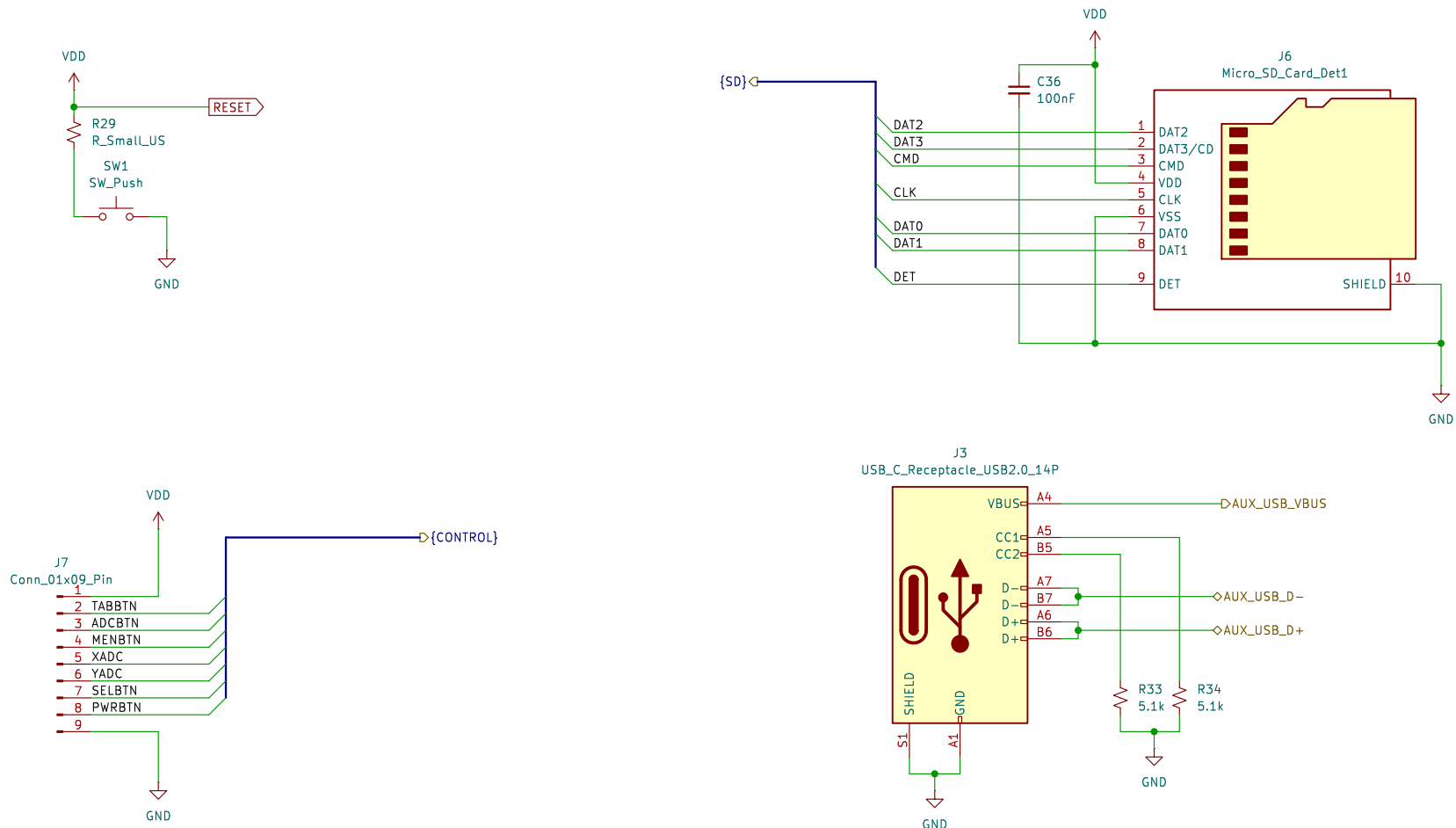
Size: A4

Date:

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Rev: A

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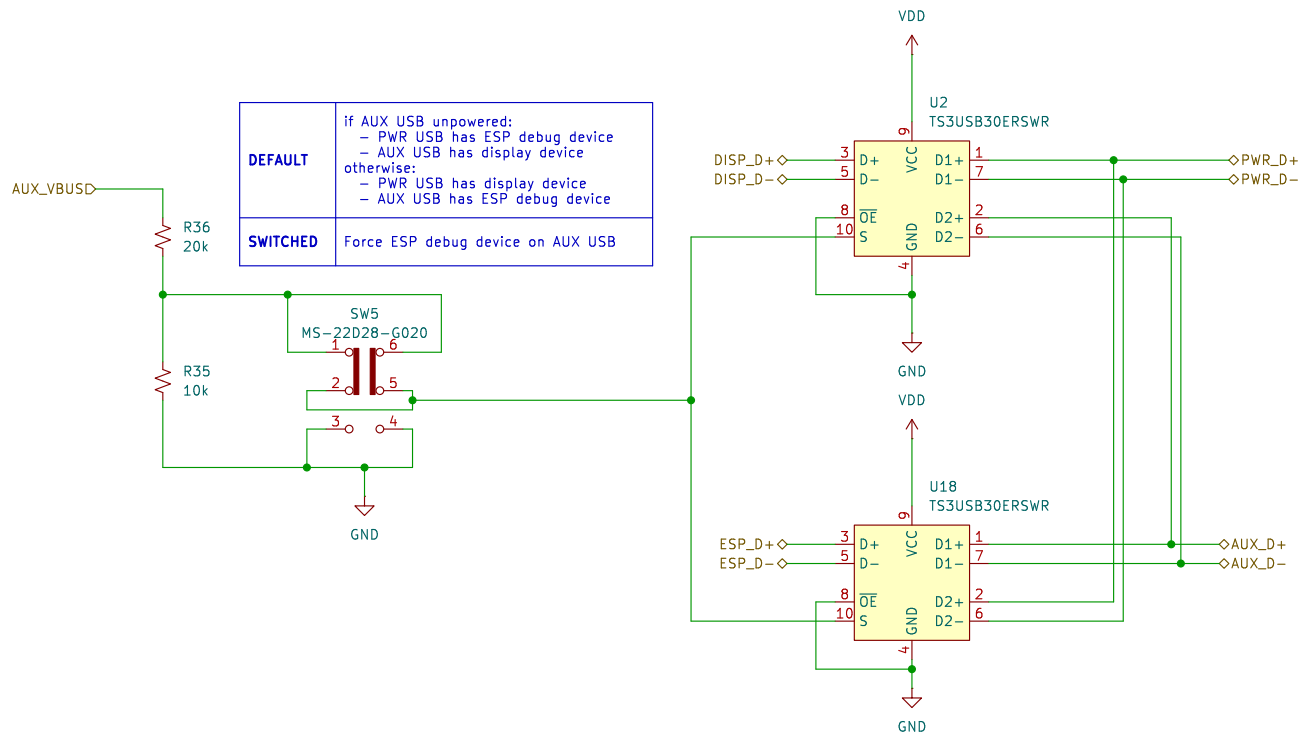
Sheet: /Peripherals/
File: peripherals.kicad_sch

Title: Misc. External Connectors

Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A
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Sheet: /USB Mux/
File: usbmux.kicad_sch

Title: USB Port Crosspoint Switch

Size: A4

Date:

Rev: A

KiCad E.D.A. 9.0.6

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