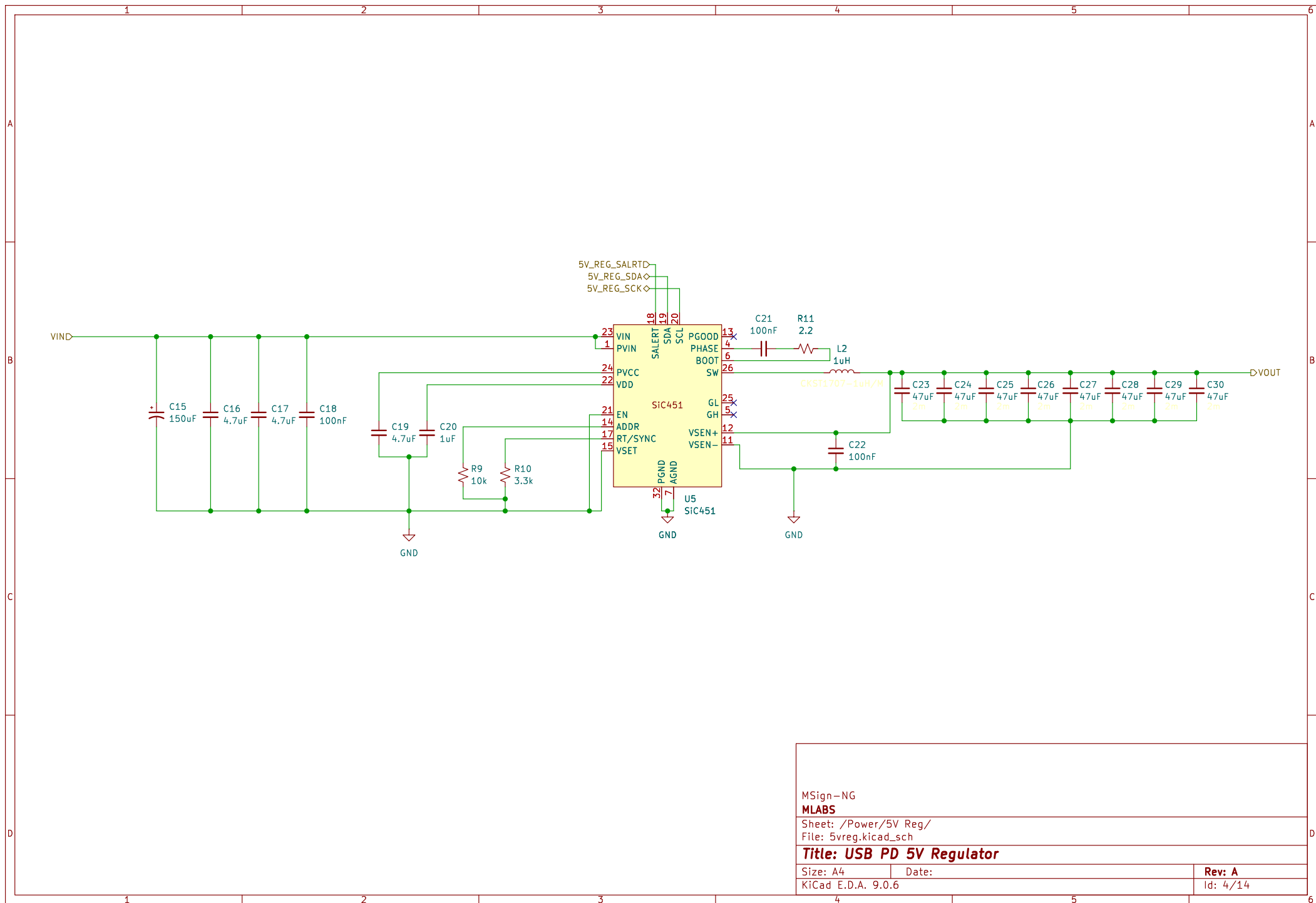
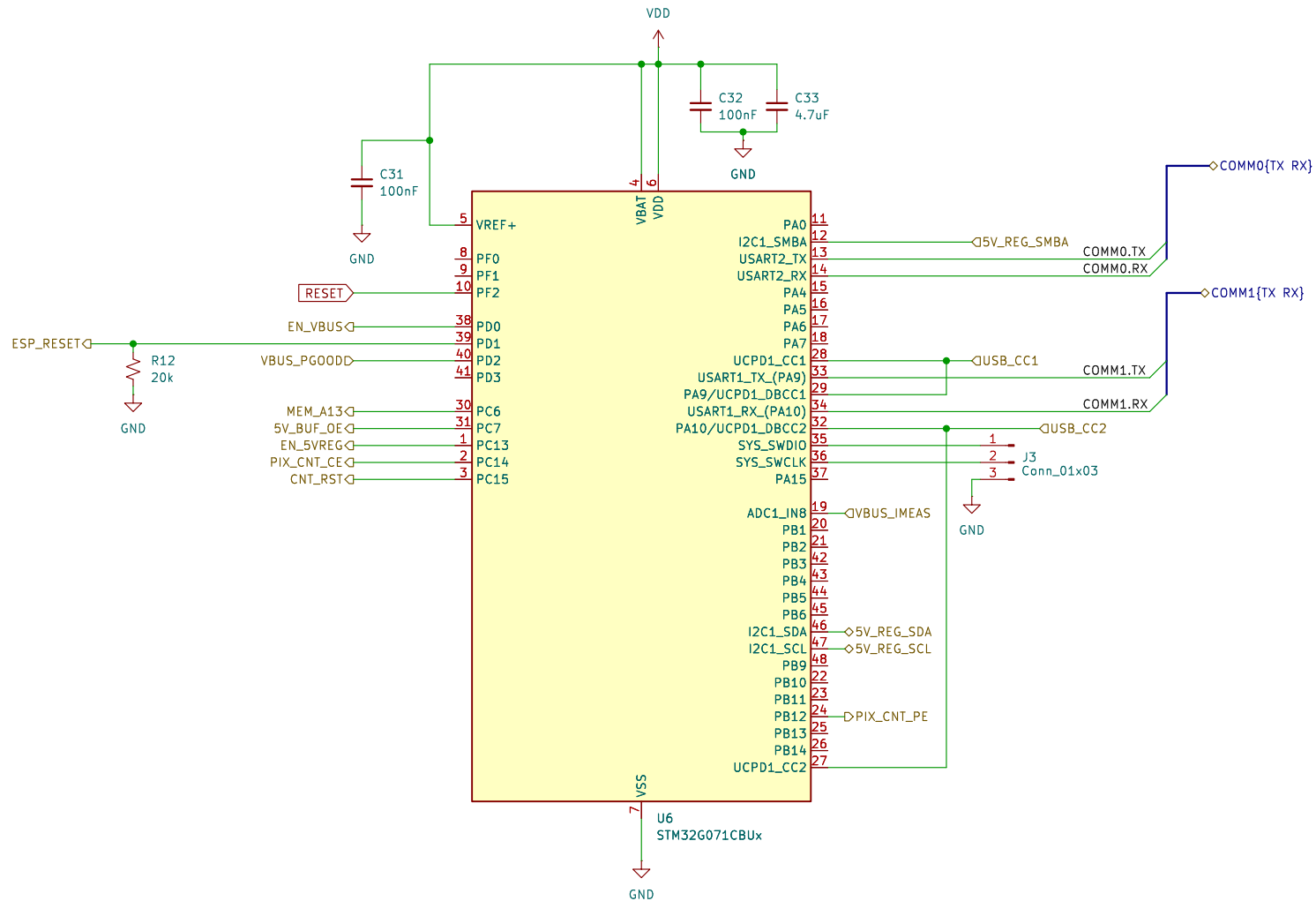


Sheet: /Power/5V Mux/		D
File: 5vswitch.kicad_sch		
Title: 5V Multiplexer		
Size: A4	Date:	
KiCad E.D.A. 9.0.6		Rev: A
		Id: 3/14





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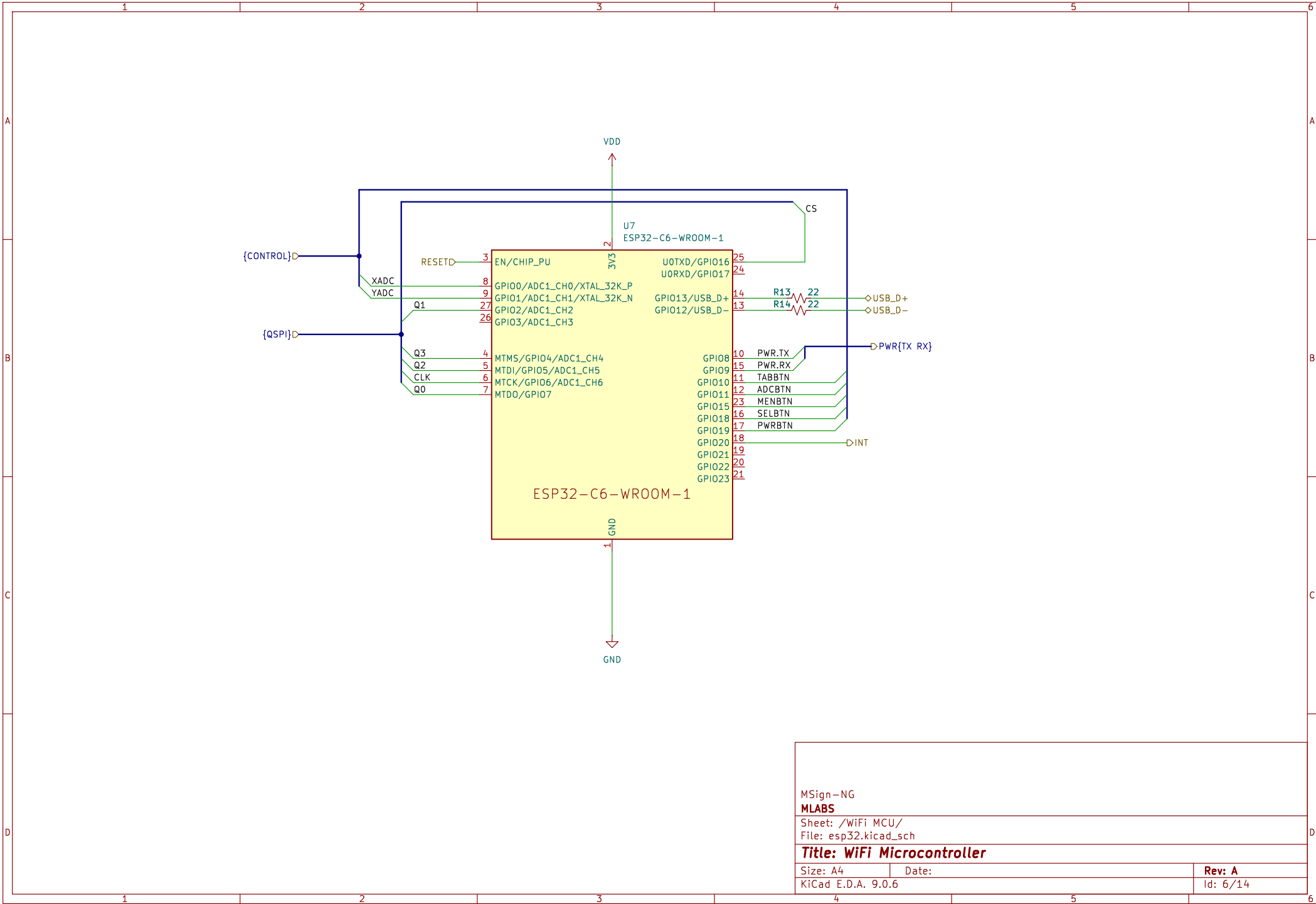
Sheet: /Power MCU/
File: stm32.kicad_sch

Title: Power Supply (+aux Decoder IO) Microcontroller

Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A
Id: 5/14



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Sheet: /WiFi MCU/
File: esp32.kicad_sch

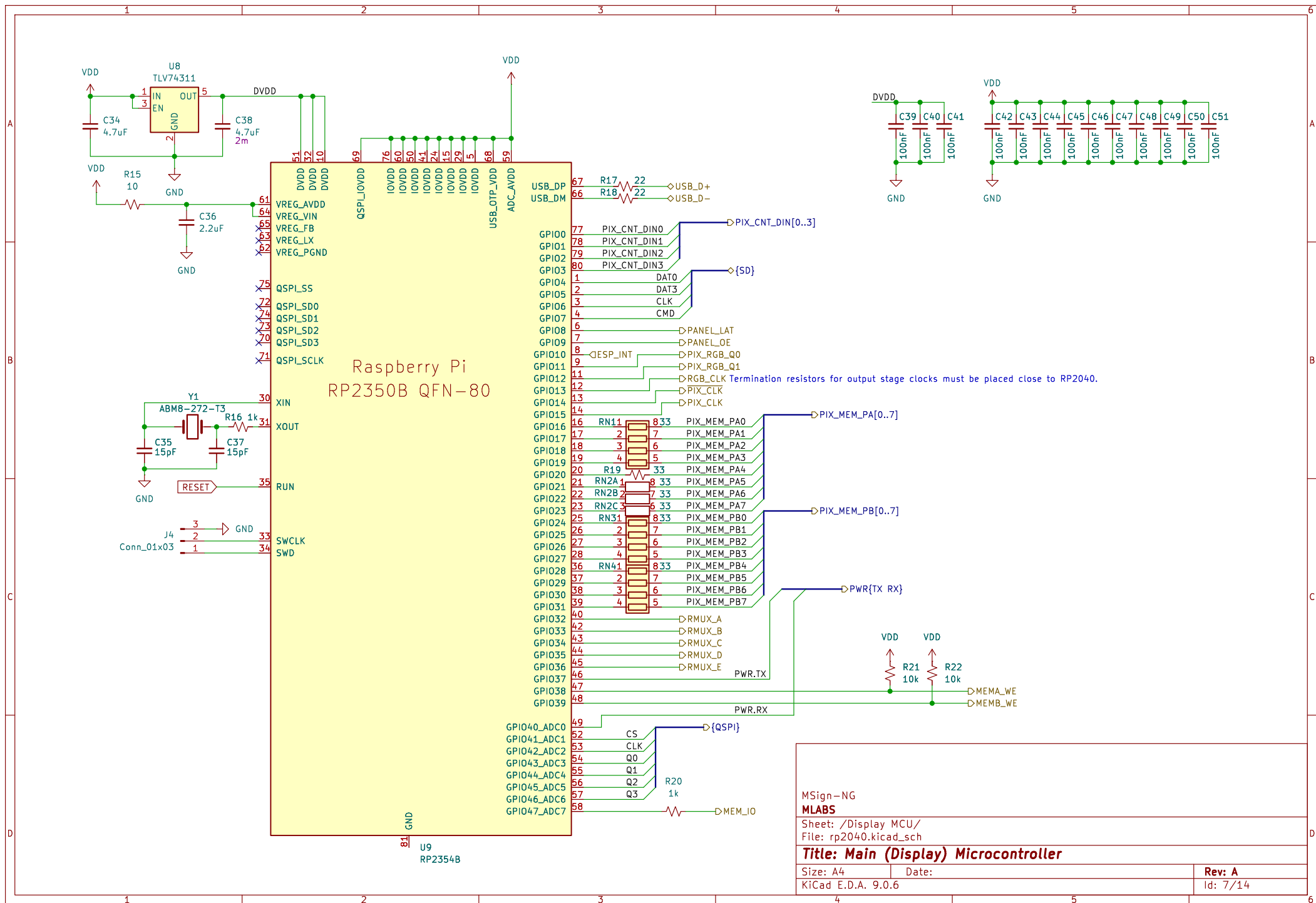
Title: WiFi Microcontroller

Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A

Id: 6/14



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Sheet: /Display MCU/
File: rp2040.kicad_sch

Title: Main (Display) Microcontroller

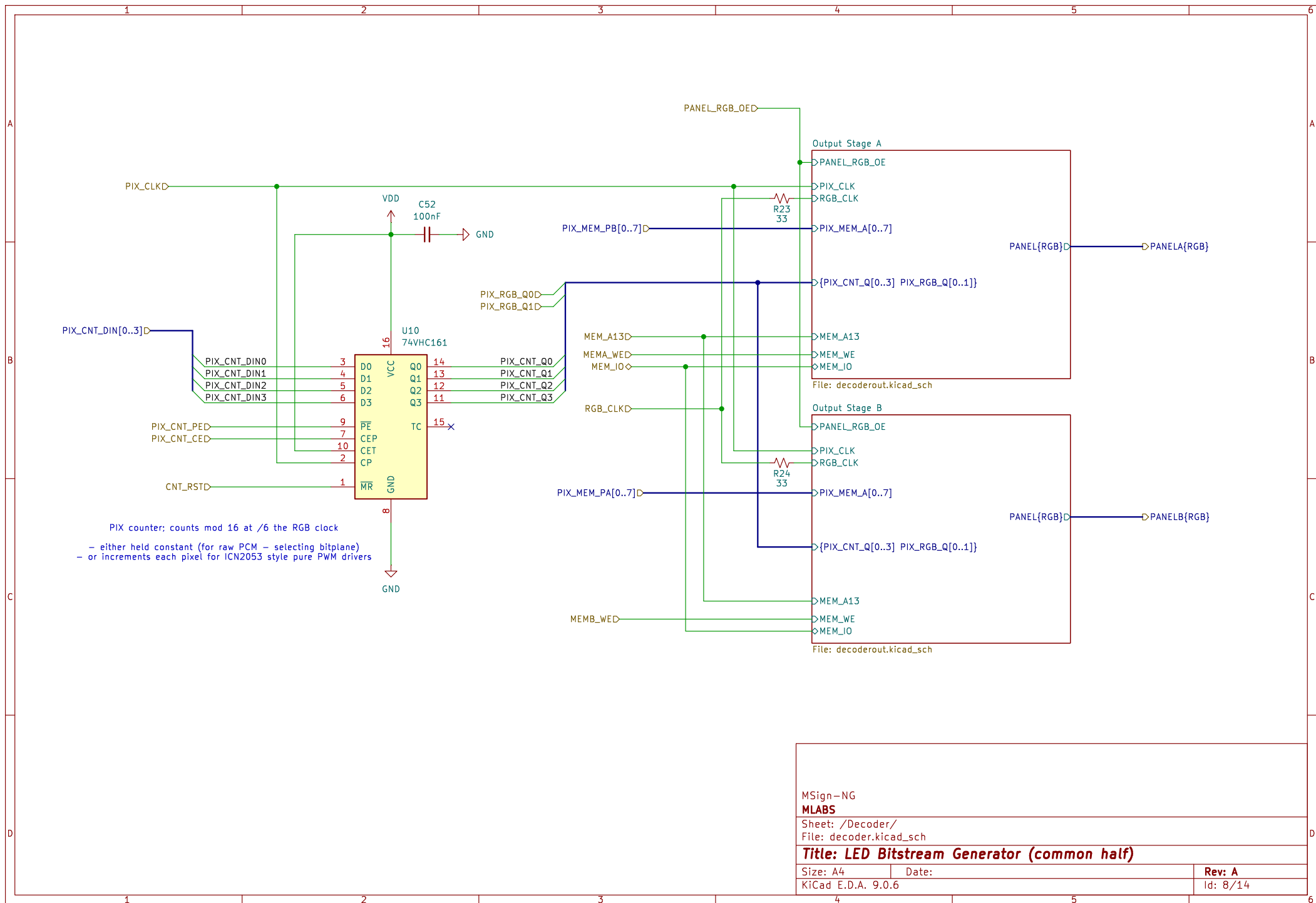
Size: A4

Date:

KiCad E.D.A. 9.0.6

Rev: A

Id: 7/14



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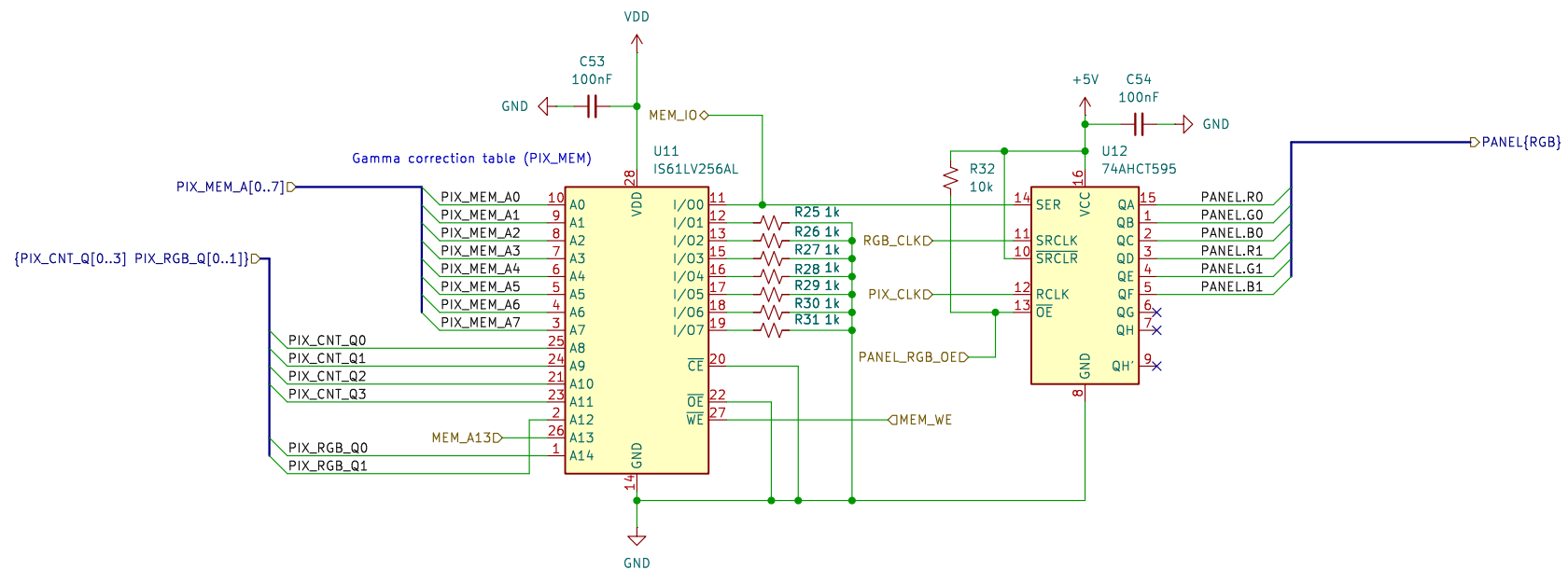
Sheet: /Decoder/
File: decoder.kicad_sch

Title: LED Bitstream Generator (common half)

Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A
Id: 8/14



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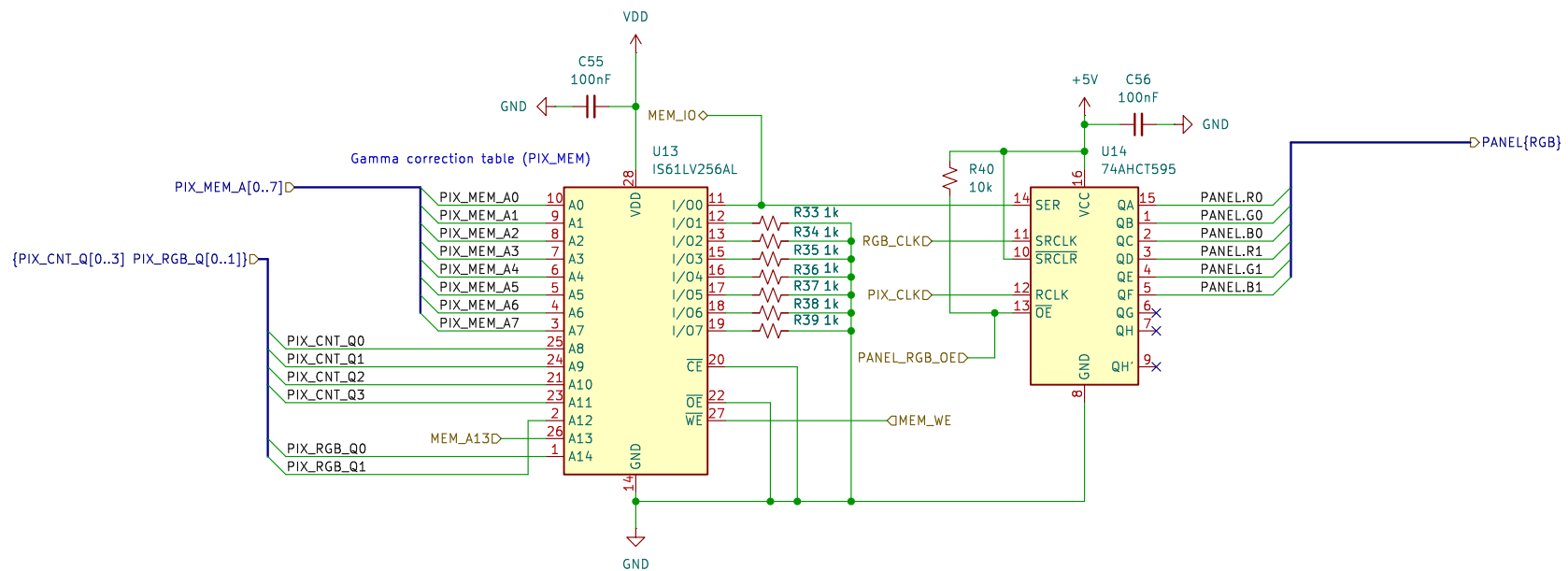
Sheet: /Decoder/Output Stage A/
File: decoderout.kicad_sch

Title: LED Bitstream Generator (gamma LUT + shifter)

Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A
Id: 9/14



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

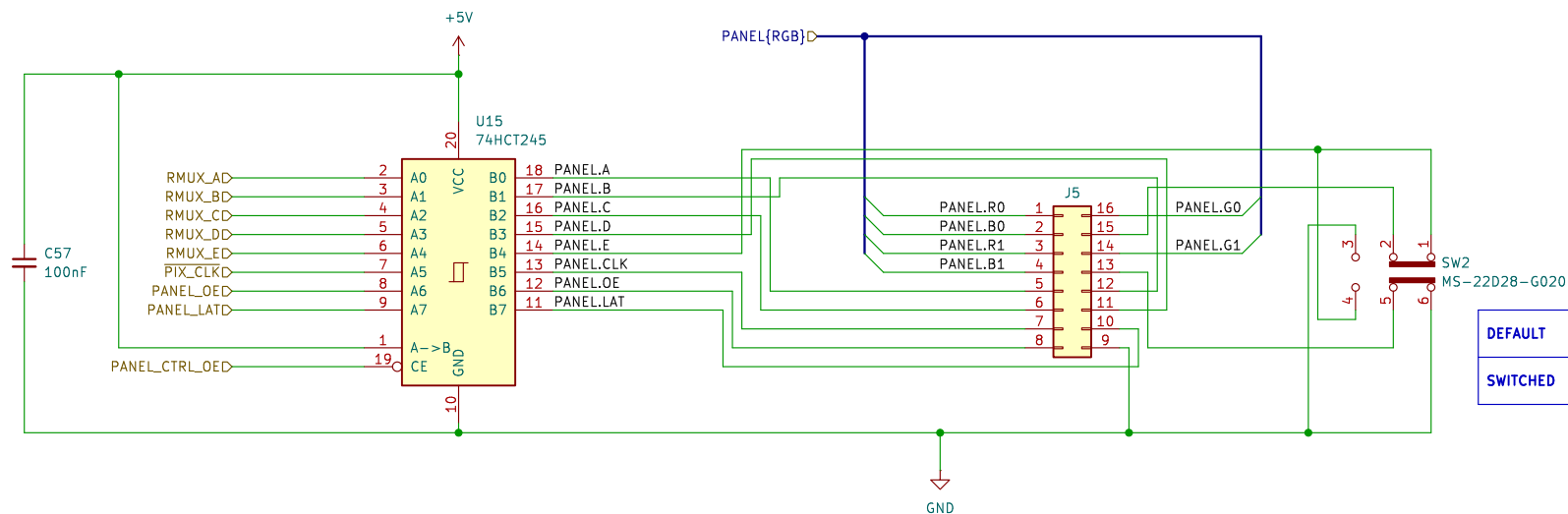
Title: LED Bitstream Generator (gamma LUT + shifter)

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

MSign-NG
MLABS

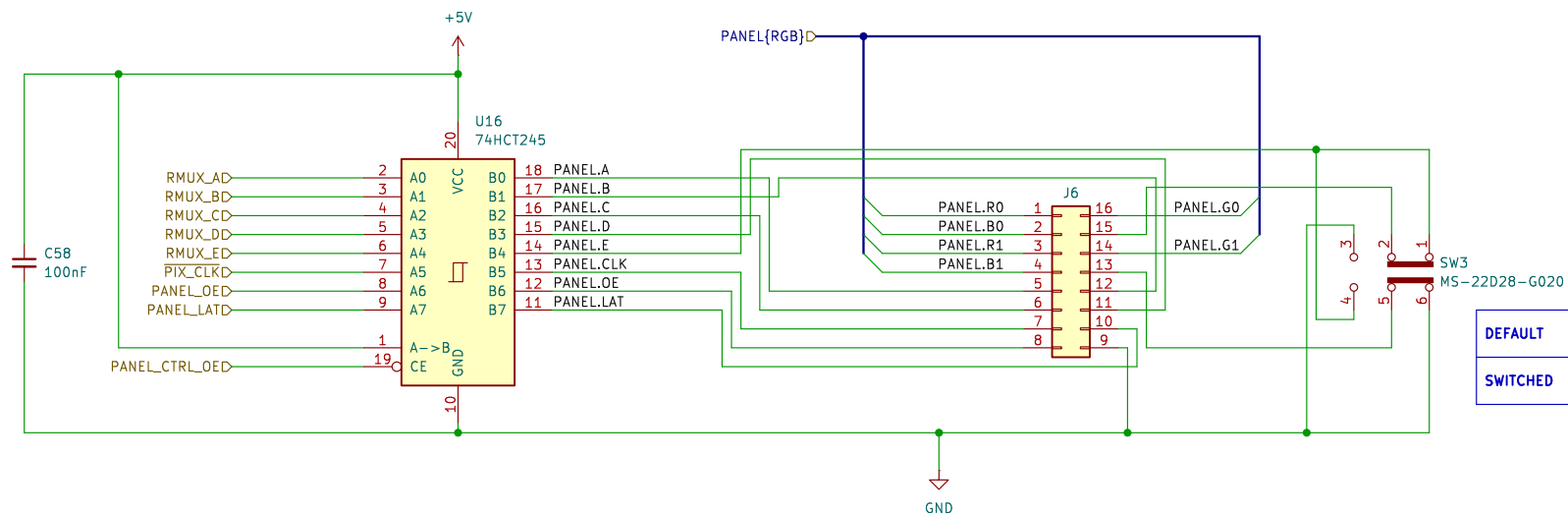
Sheet: /LED Connection A/
File: matrixandbuffer.kicad_sch

Title: LED Level Shifter + Socket

Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A
Id: 11/14



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

MSign-NG
MLABS

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

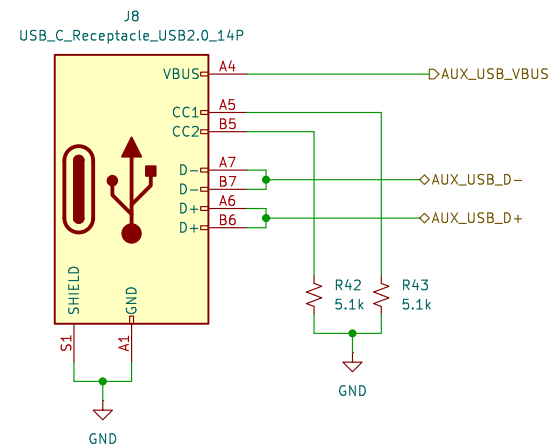
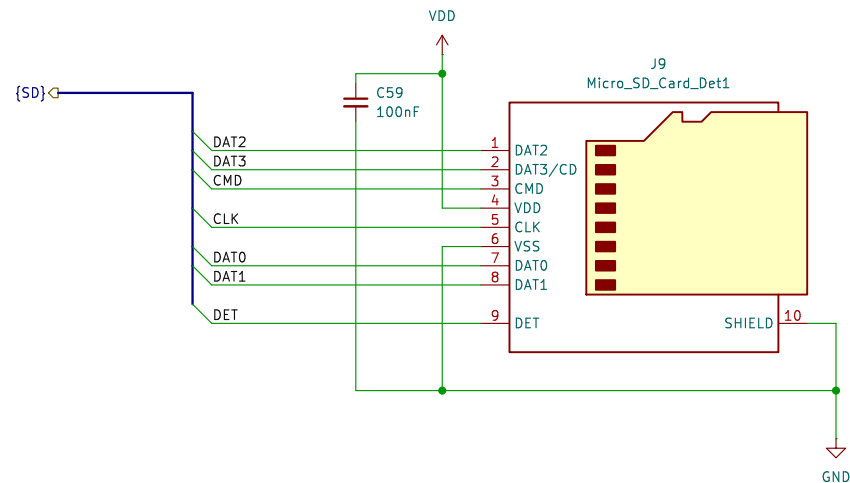
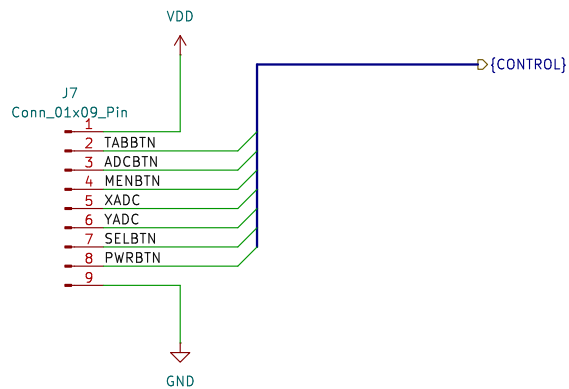
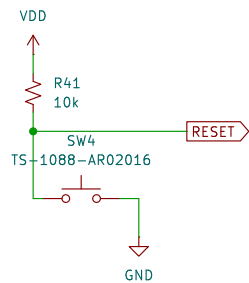
Title: LED Level Shifter + Socket

Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A

Id: 12/14



MSign-NG
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Sheet: /Peripherals/
File: peripherals.kicad_sch

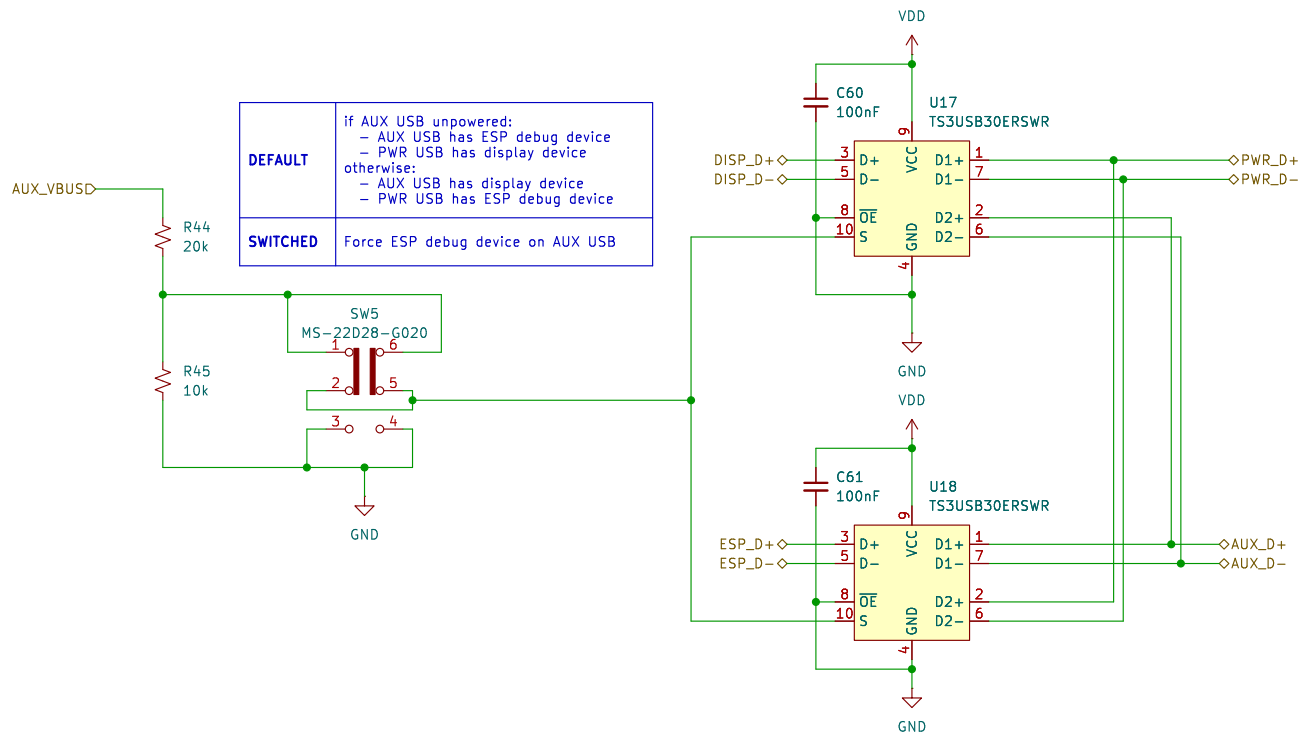
Title: Misc. External Connectors

Size: A4
KiCad E.D.A. 9.0.6

Date:

Rev: A

Id: 13/14



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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

Id: 14/14