

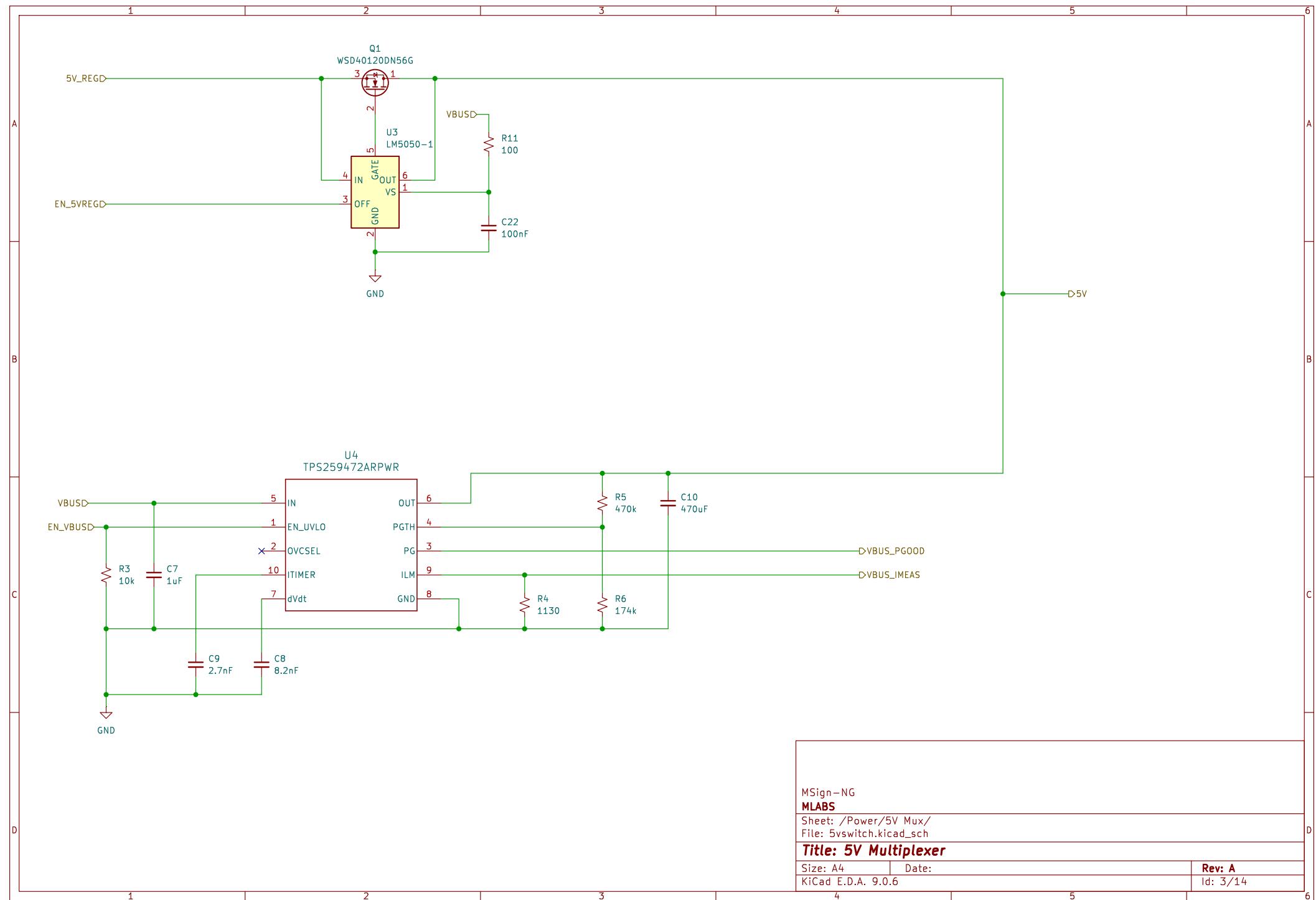
MSign-NG
MLABS

Sheet: /Power/
File: power.kicad_sch

Title: Power Supply (3.3V)

Size: A4 Date:
KiCad E.D.A. 9.0.6

Rev: A
Id: 2/14



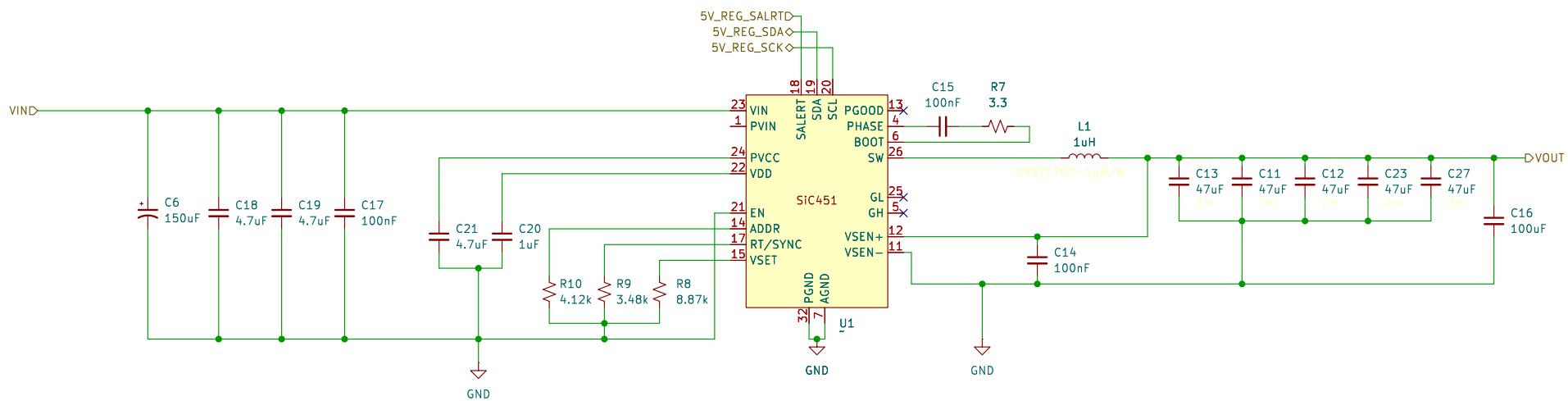
MSign-NG
MLABS

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

Title: 5V Multiplexer

Size: A4	Date:
KiCad E.D.A. 9.0.6	

Rev: A
Id: 3/14



MSign-NG
MLABS

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

Title: USB PD 5V Regulator

Size: A4 Date:
KiCad E.D.A. 9.0.6

Rev: A
Id: 4/14

A

A

B

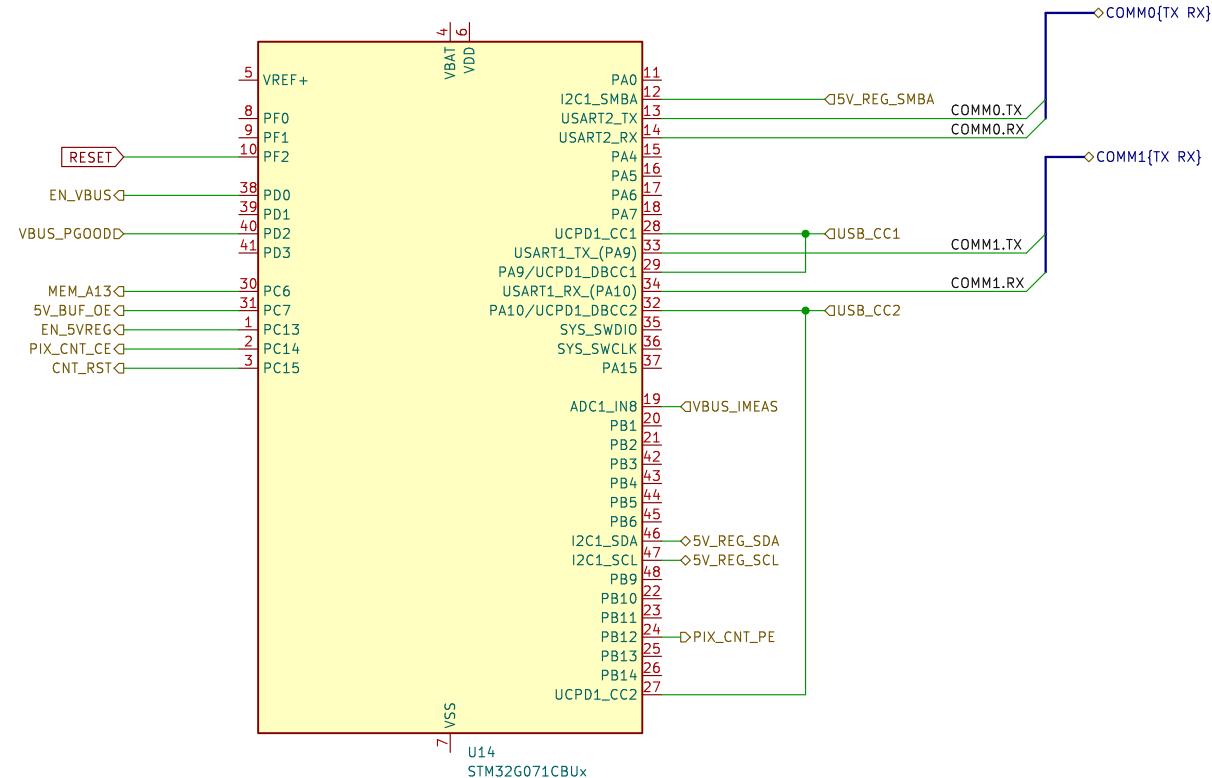
B

C

C

D

D



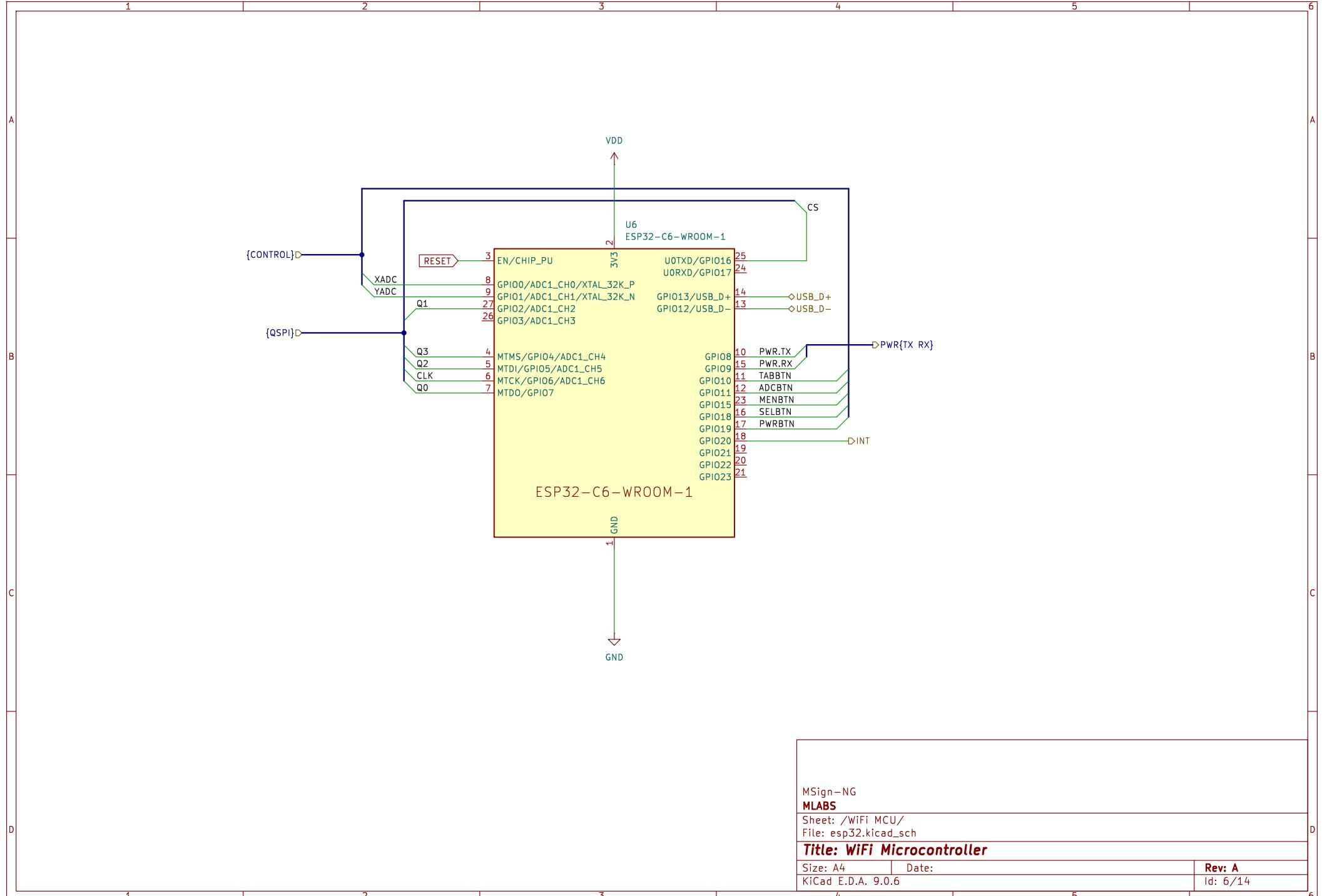
MSign-NG
MLABS

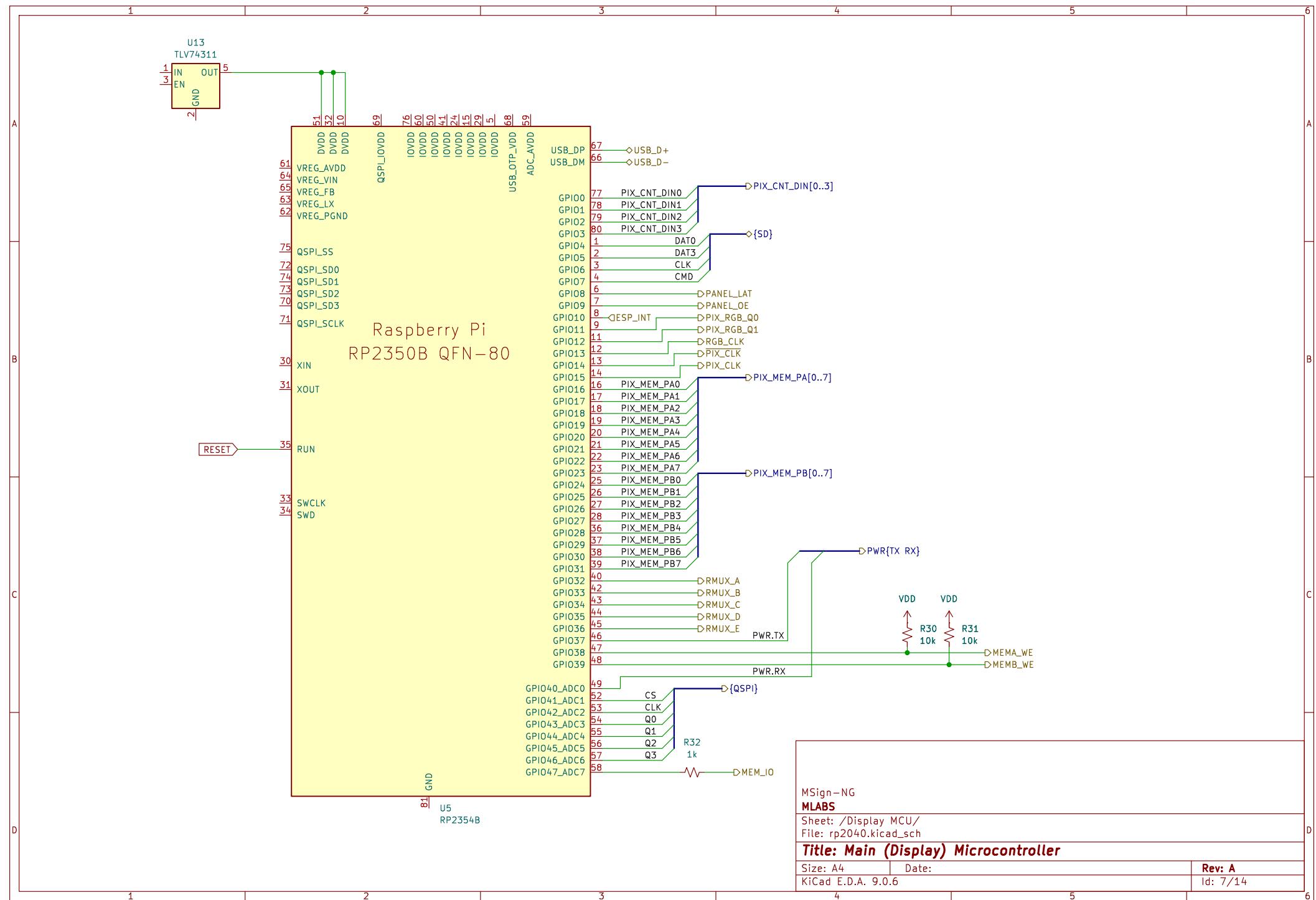
Sheet: /Power MCU/
File: stm32.kicad_sch

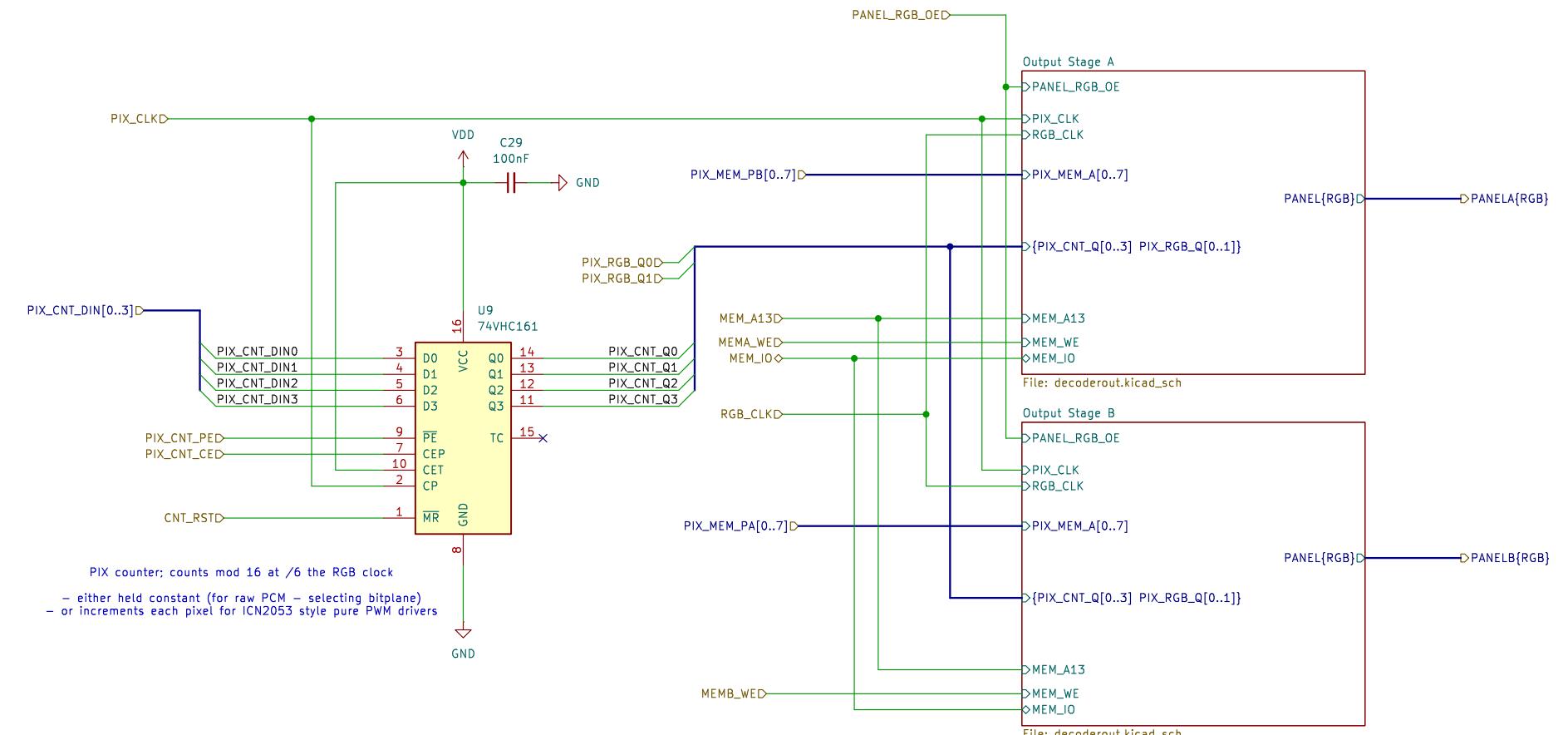
Title: Power Supply (+aux Decoder IO) Microcontroller

Size: A4 Date:
KiCad E.D.A. 9.0.6

Rev: A
Id: 5/14







MSign - NG
MLABS

Sheet: /Decoder/
File: decoder.kicad_sch

Title: LED Bitstream Generator (common half)

Size: A4 Date:

KiCad E.D.A. 9.0.6

Rev: A
Id: 8/14

A

A

B

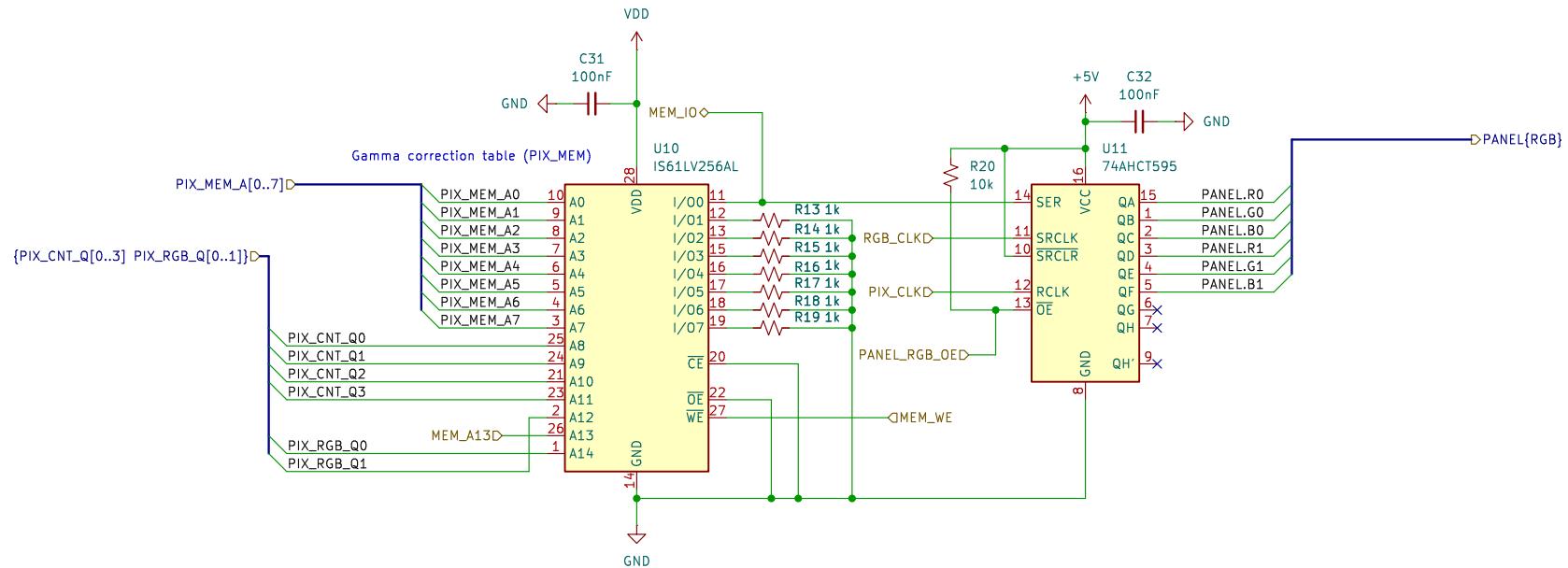
B

C

C

D

D



MSign-NG
MLABS

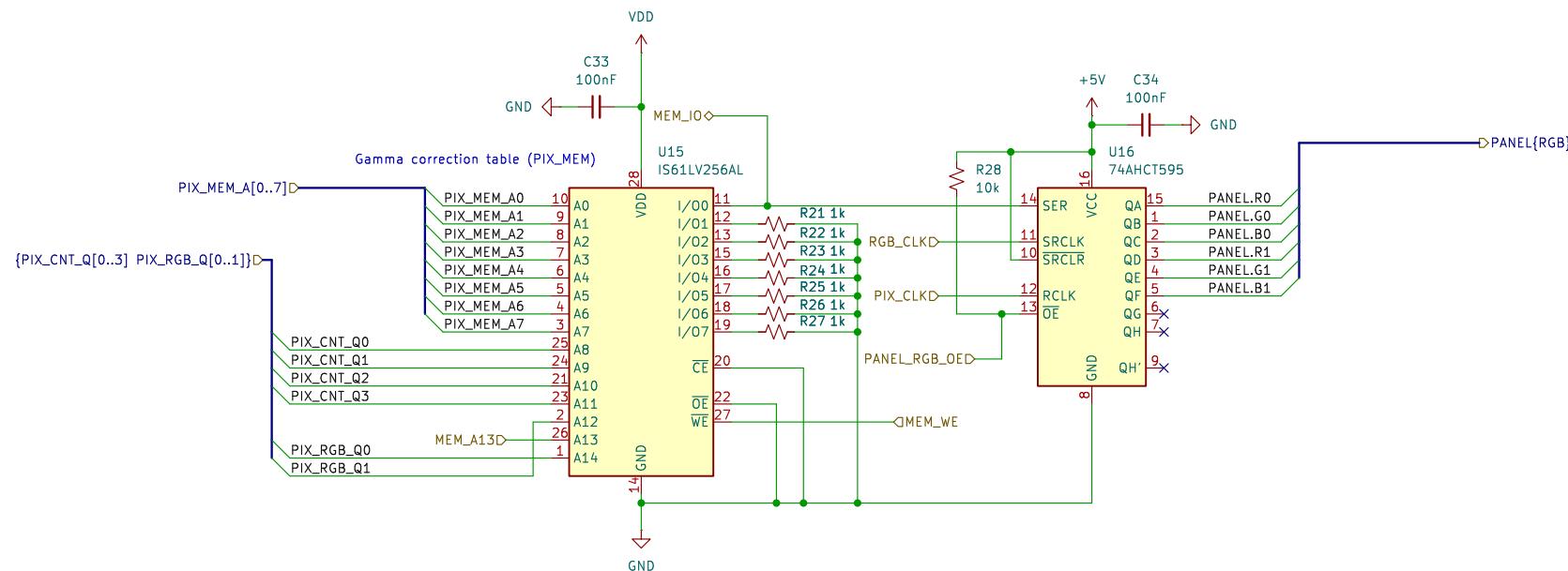
Sheet: /Decoder/Output Stage A/
File: decoderout.kicad_sch

Title: LED Bitstream Generator (gamma LUT + shifter)

Size: A4 Date:

KiCad E.D.A. 9.0.6

Rev: A
Id: 9/14



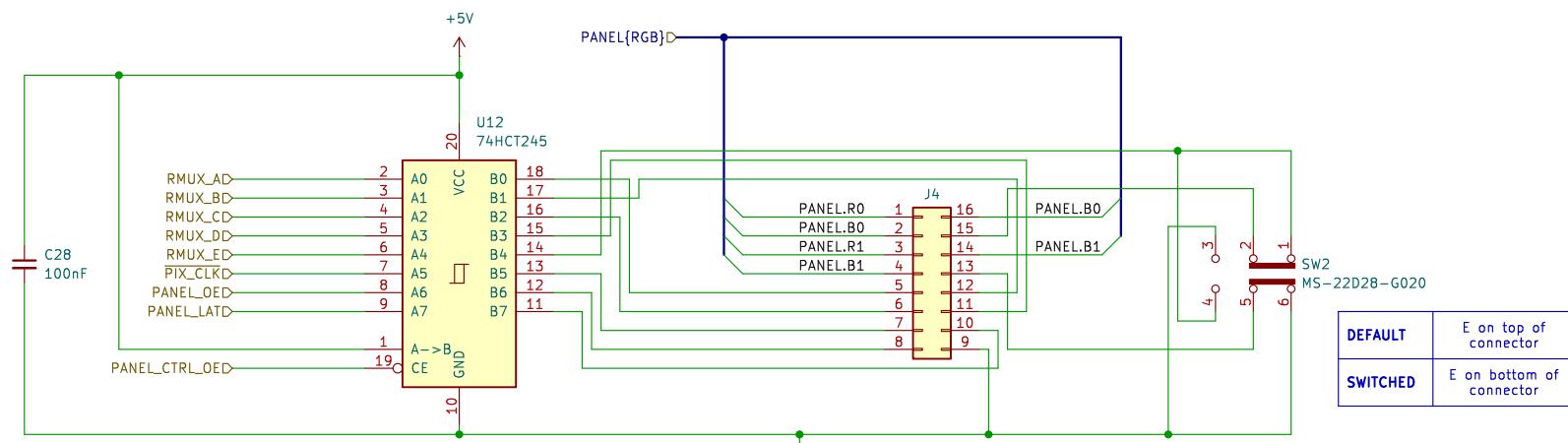
MSign-N
MLABS

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

Title: LED Bitstream Generator (gamma LUT + shifter)

KiCad E.D.A. 9.0.6

Rev: A
Id: 10/14



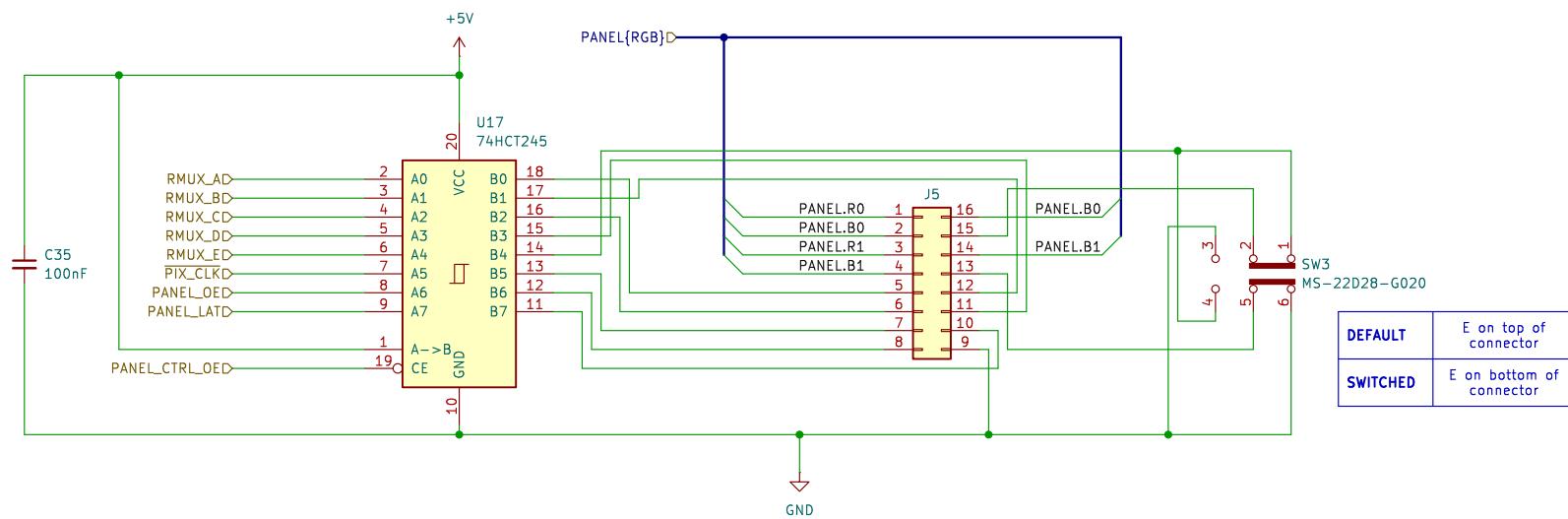
MSign-NG
MLABS

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

Title: LED Level Shifter + Socket

Size: A4 Date:
KiCad E.D.A. 9.0.6

Rev: A
Id: 11/14



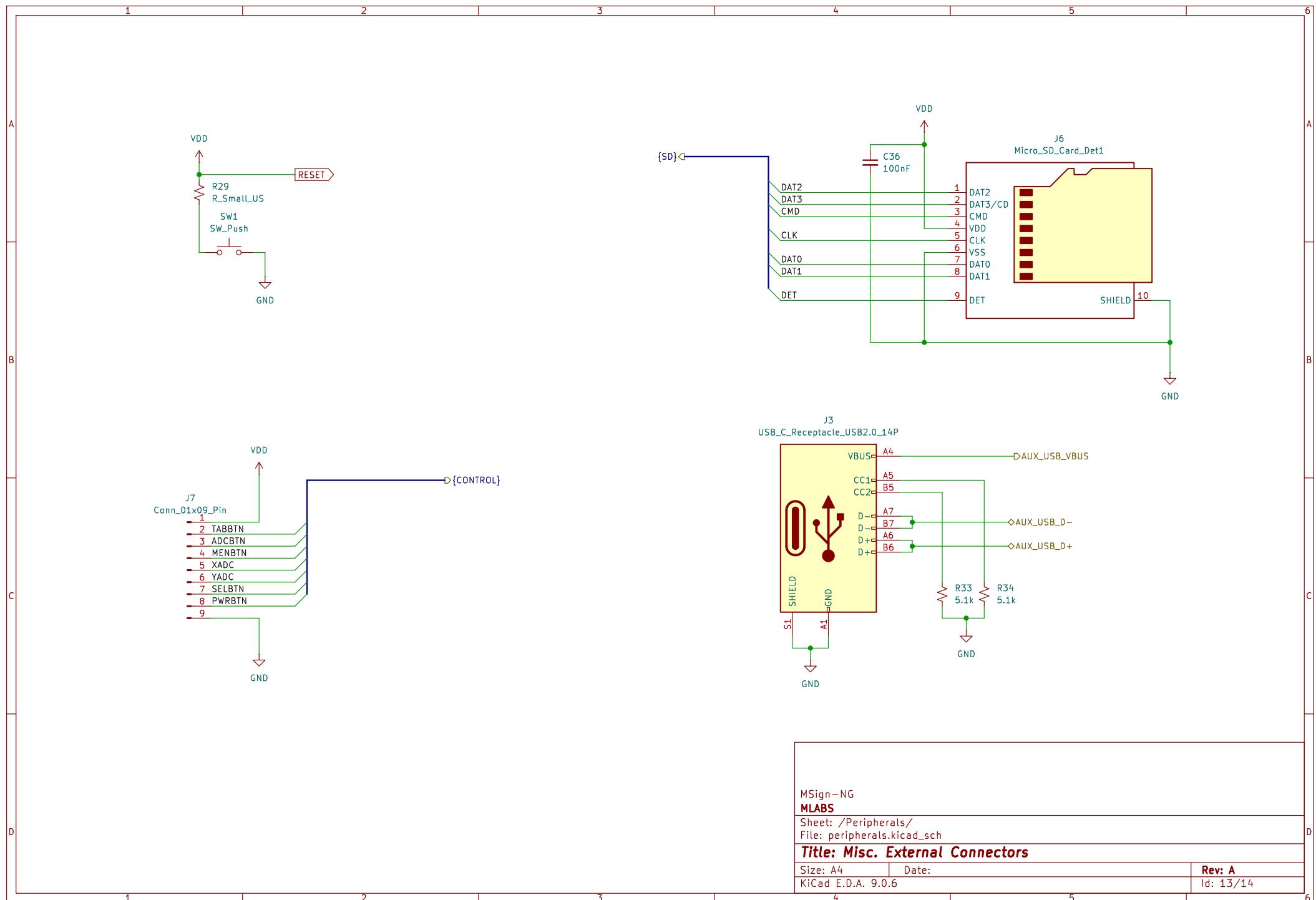
MSign-NG
MLABS

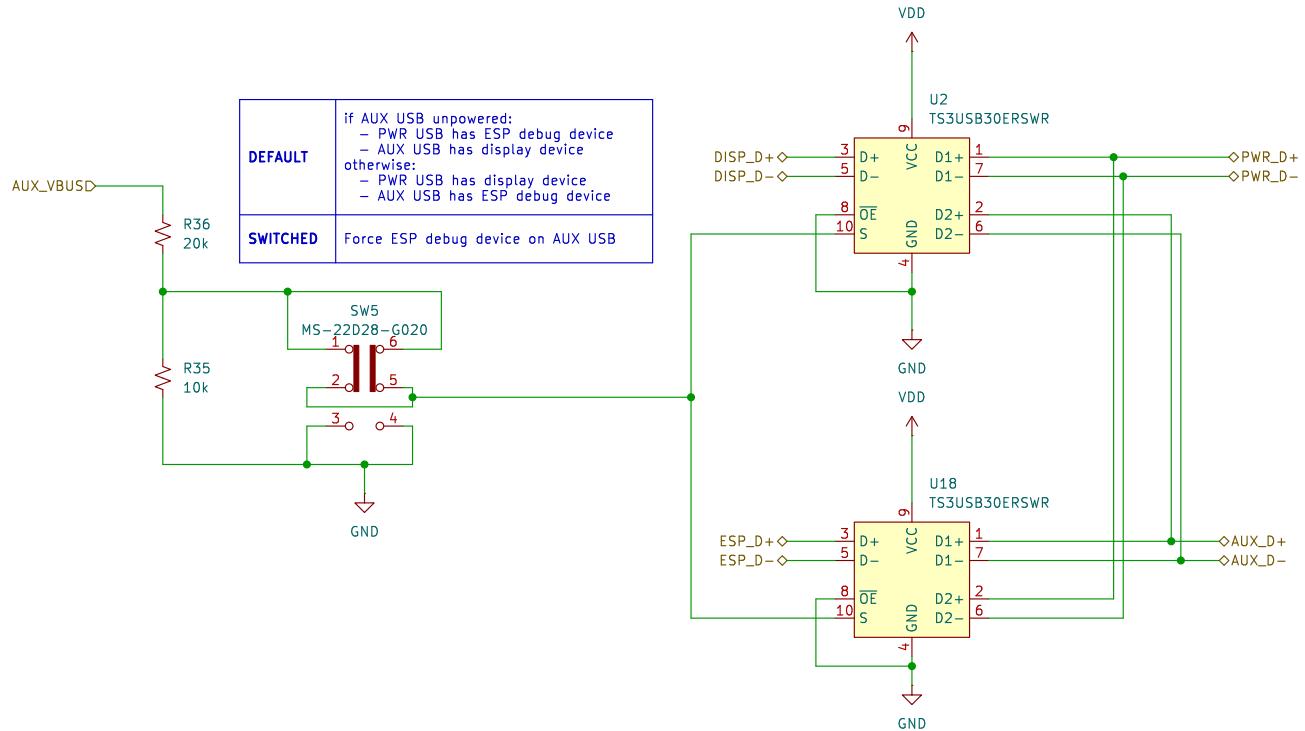
Sheet: /LED Connection B/
File: matrixandbuffer.kicad_sch

Title: LED Level Shifter + Socket

Size: A4 Date:
KiCad E.D.A. 9.0.6

Rev: A
Id: 12/14





MSign-NG
MLABS

Sheet: /USB Mux/
File: usbmux.kicad_sch

Title: USB Port Crosspoint Switch

Size: A4 Date:
KiCad E.D.A. 9.0.6

Rev: A
Id: 14/14