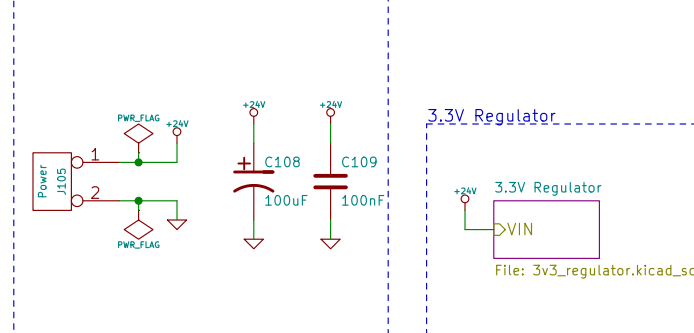
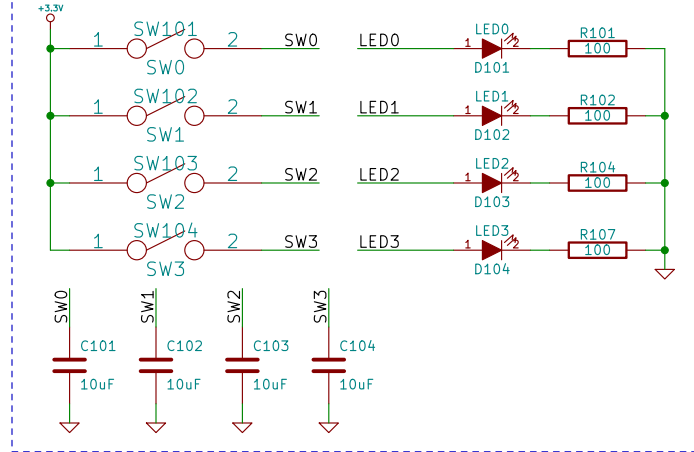


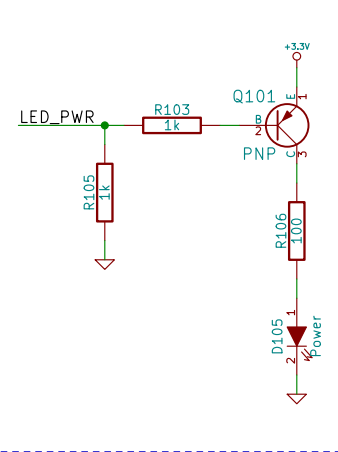
Main Power Connections



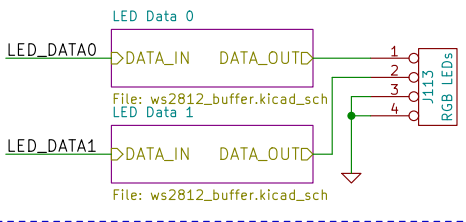
User Switches and LEDs



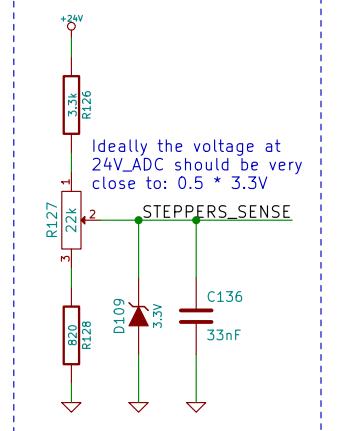
Power LED



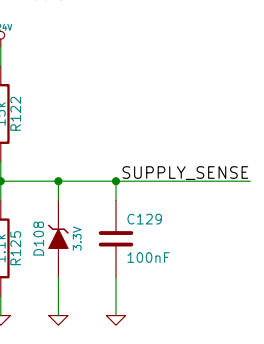
LED Data



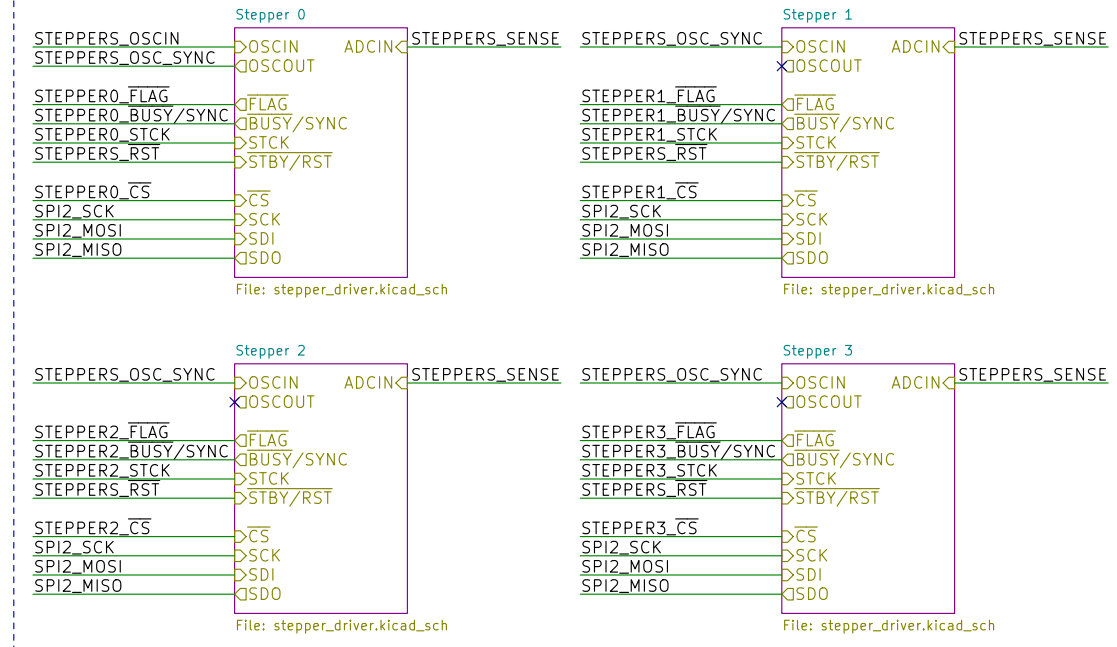
Stepper Driver 2V Sense



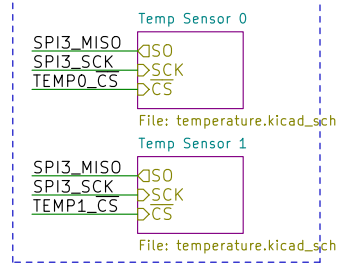
Main Supply Sense



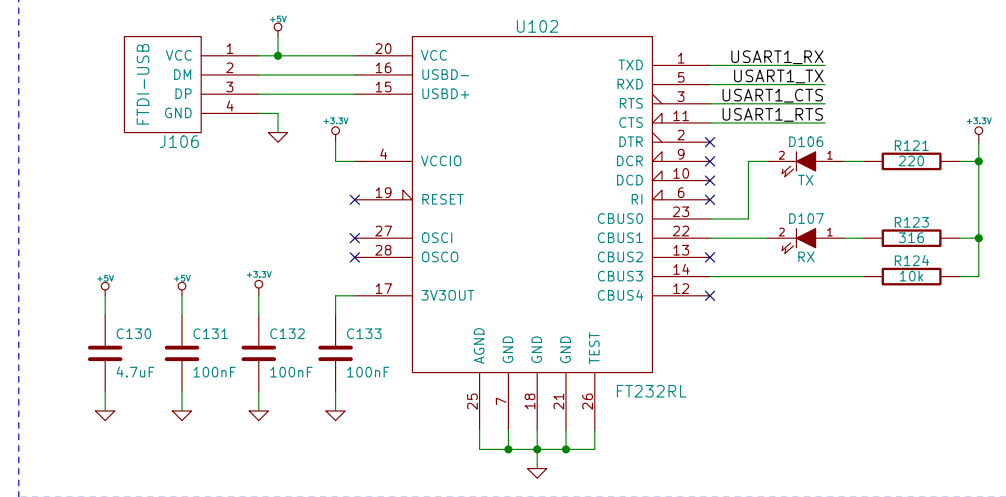
Stepper Motor Drivers



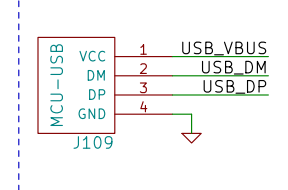
Temperature Sensors



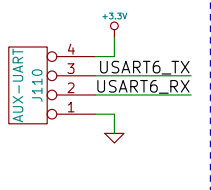
J101 UART



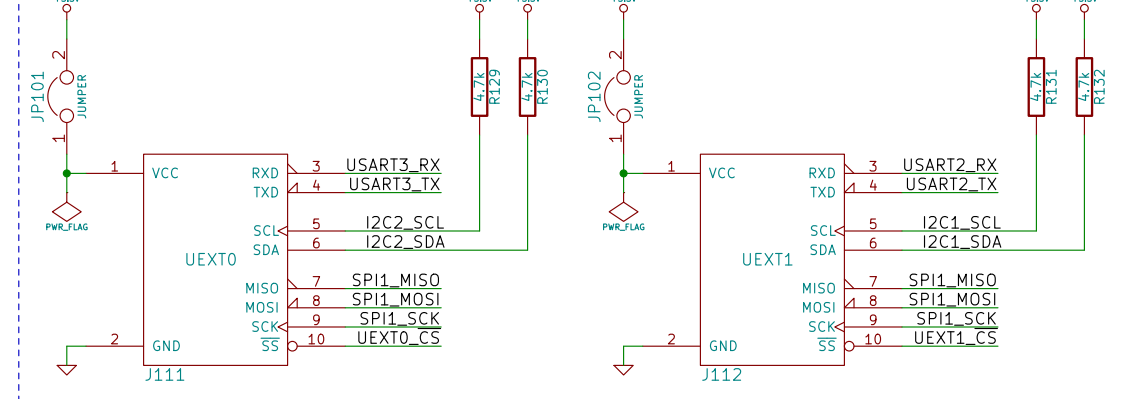
MCU Hardware USB



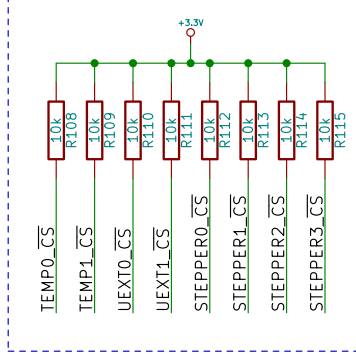
AUX UART



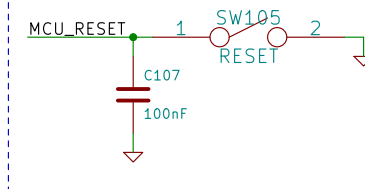
J102



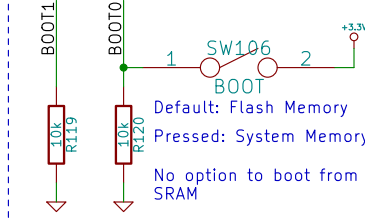
On-Chip Select Pads



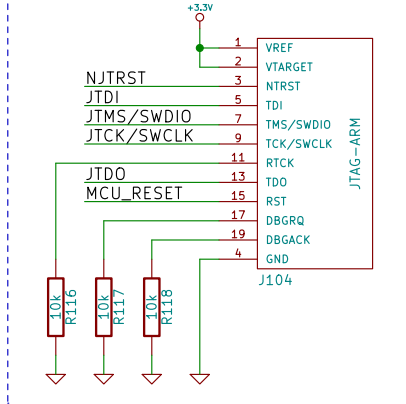
MCU Reset



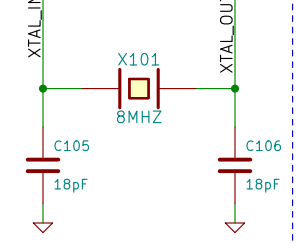
MCU Boot Address



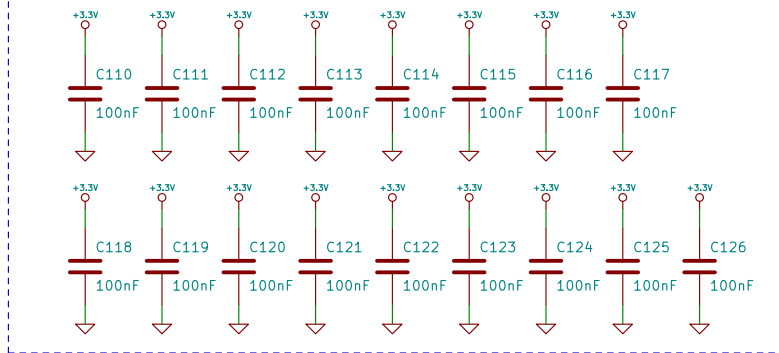
MCU /TMR, Debug Port



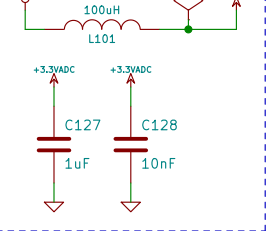
Oscillator



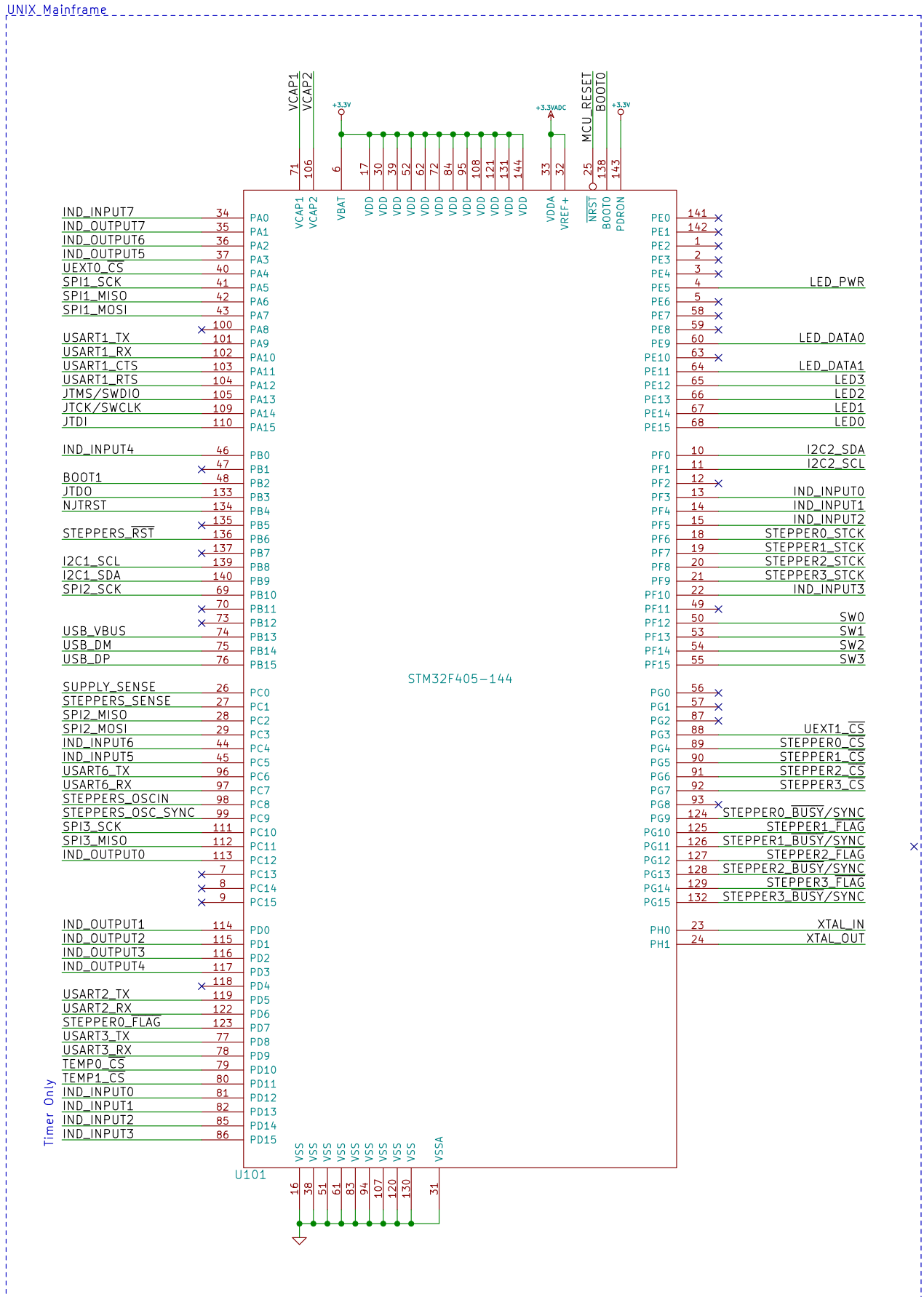
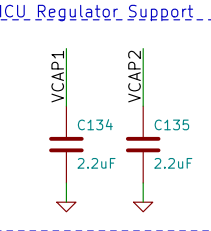
MCU Digital Decoupling



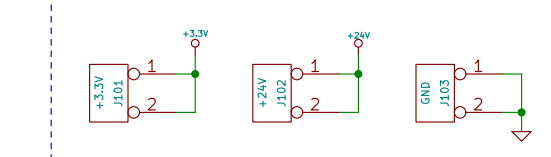
Analog Decoupling



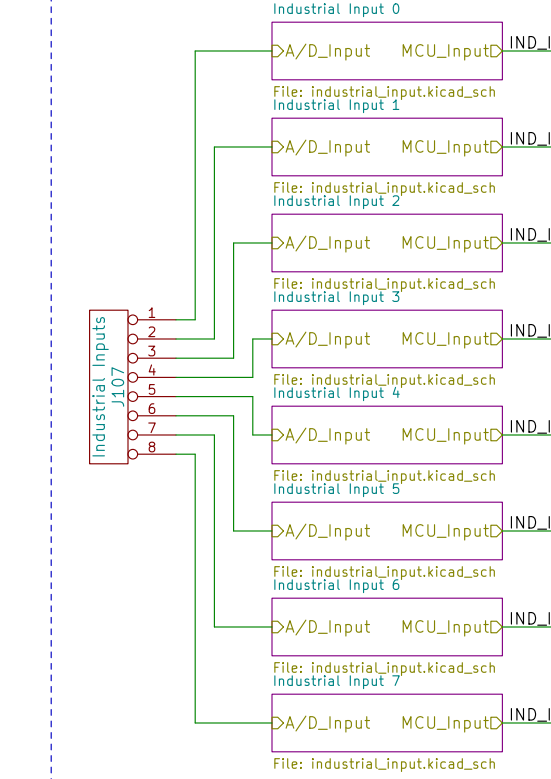
MCU Resistor Substitutes



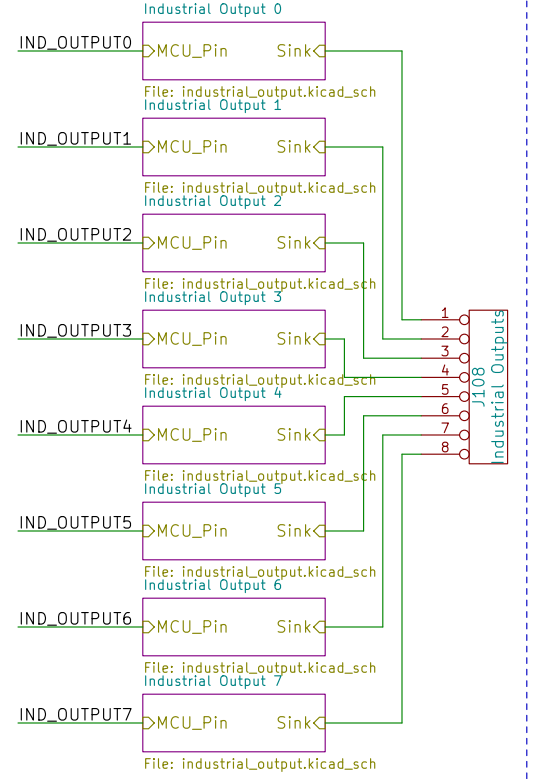
Industrial GPIO Power

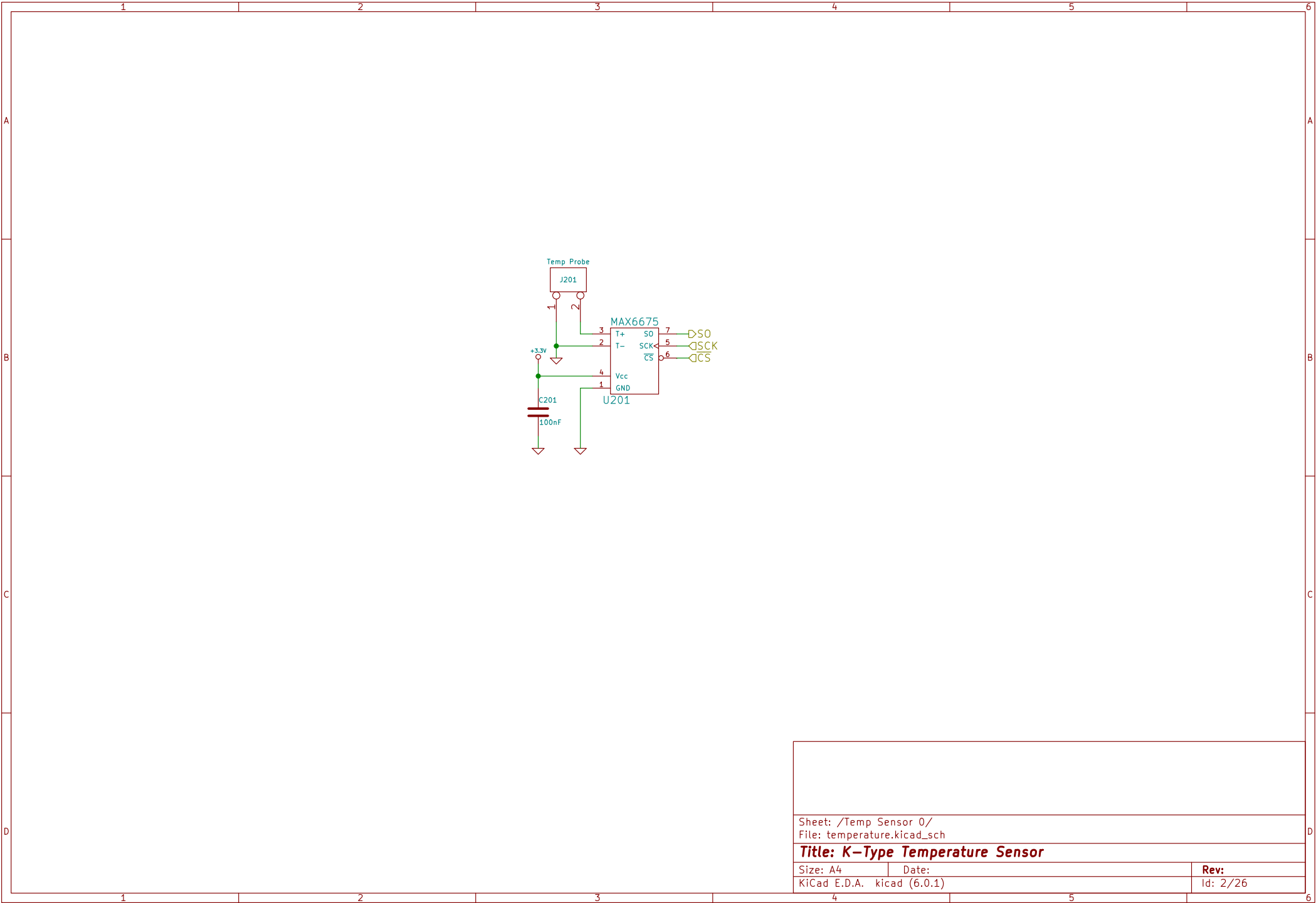


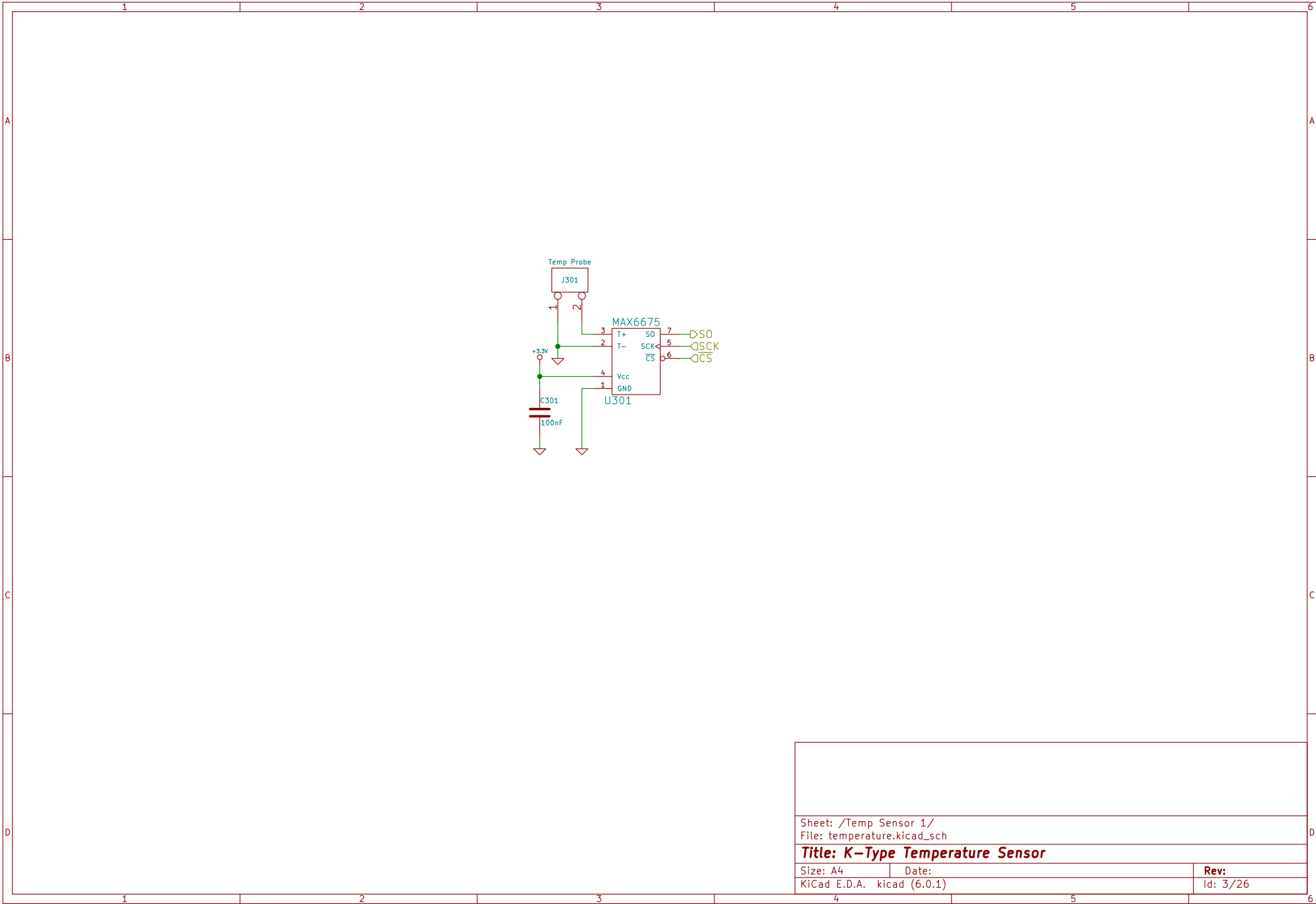
Industrial Outputs

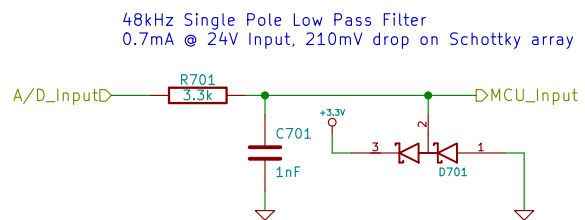


Industrial Inputs







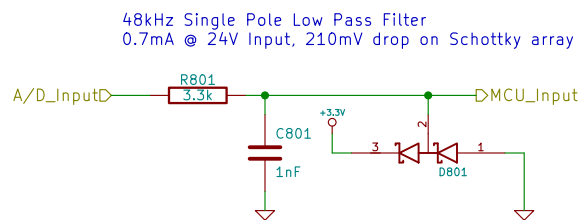


Sheet: /Industrial Input 0/
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Title: Industrial Digital/Analog Input

Size: A Date:
KiCad E.D.A. kicad (6.0.1)

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Id: 4/26

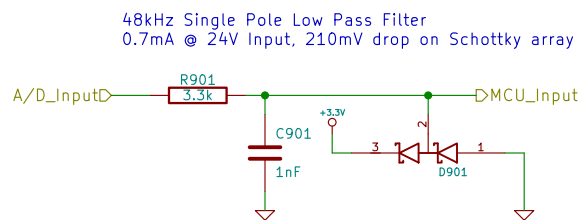


Sheet: /Industrial Input 1/
File: industrial_input.kicad_sch

Title: Industrial Digital/Analog Input

Size: A Date:
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Id: 5/26

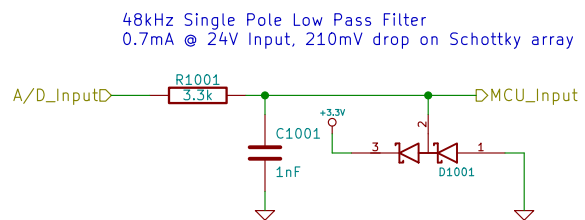


Sheet: /Industrial Input 2/
File: industrial_input.kicad_sch

Title: Industrial Digital/Analog Input

Size: A Date:
KiCad E.D.A. kicad (6.0.1)

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Id: 6/26

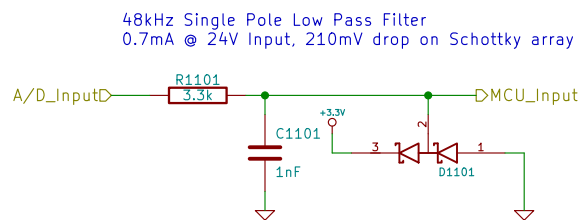


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File: industrial_input.kicad_sch

Title: Industrial Digital/Analog Input

Size: A Date:
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Id: 7/26



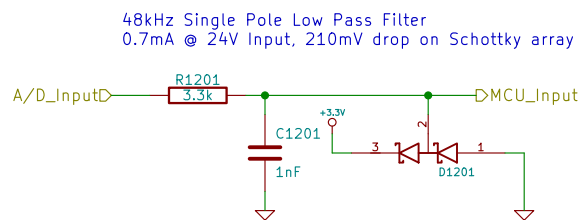
Sheet: /Industrial Input 4/
File: industrial_input.kicad_sch

Title: Industrial Digital/Analog Input

Size: A
KiCad E.D.A. kicad (6.0.1)

Date:

Rev:
Id: 8/26

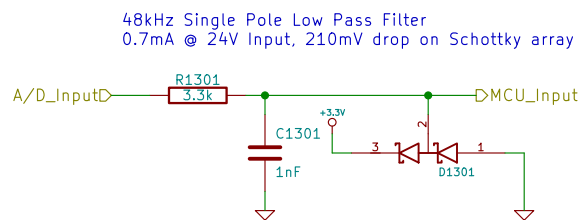


Sheet: /Industrial Input 5/
File: industrial_input.kicad_sch

Title: Industrial Digital/Analog Input

Size: A Date:
KiCad E.D.A. kicad (6.0.1)

Rev:
Id: 9/26

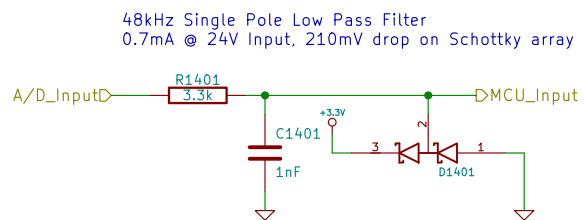


Sheet: /Industrial Input 6/
File: industrial_input.kicad_sch

Title: Industrial Digital/Analog Input

Size: A Date:
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Rev:
Id: 10/26

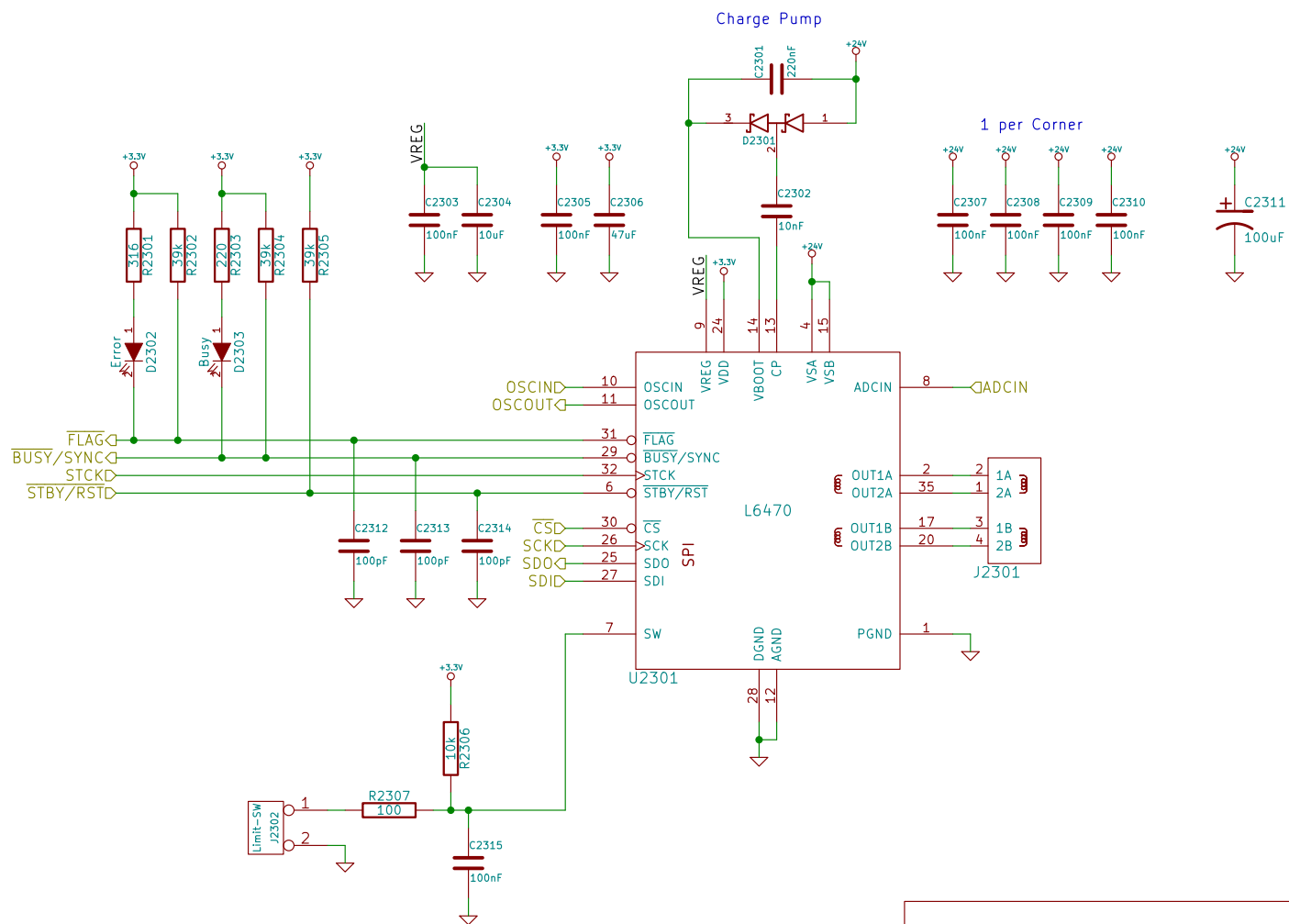


Sheet: /Industrial Input 7/
File: industrial_input.kicad_sch

Title: Industrial Digital/Analog Input

Size: A Date:
KiCad E.D.A. kicad (6.0.1)

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Sheet: /Stepper 0/

File: stepper_driver.kicad_sch

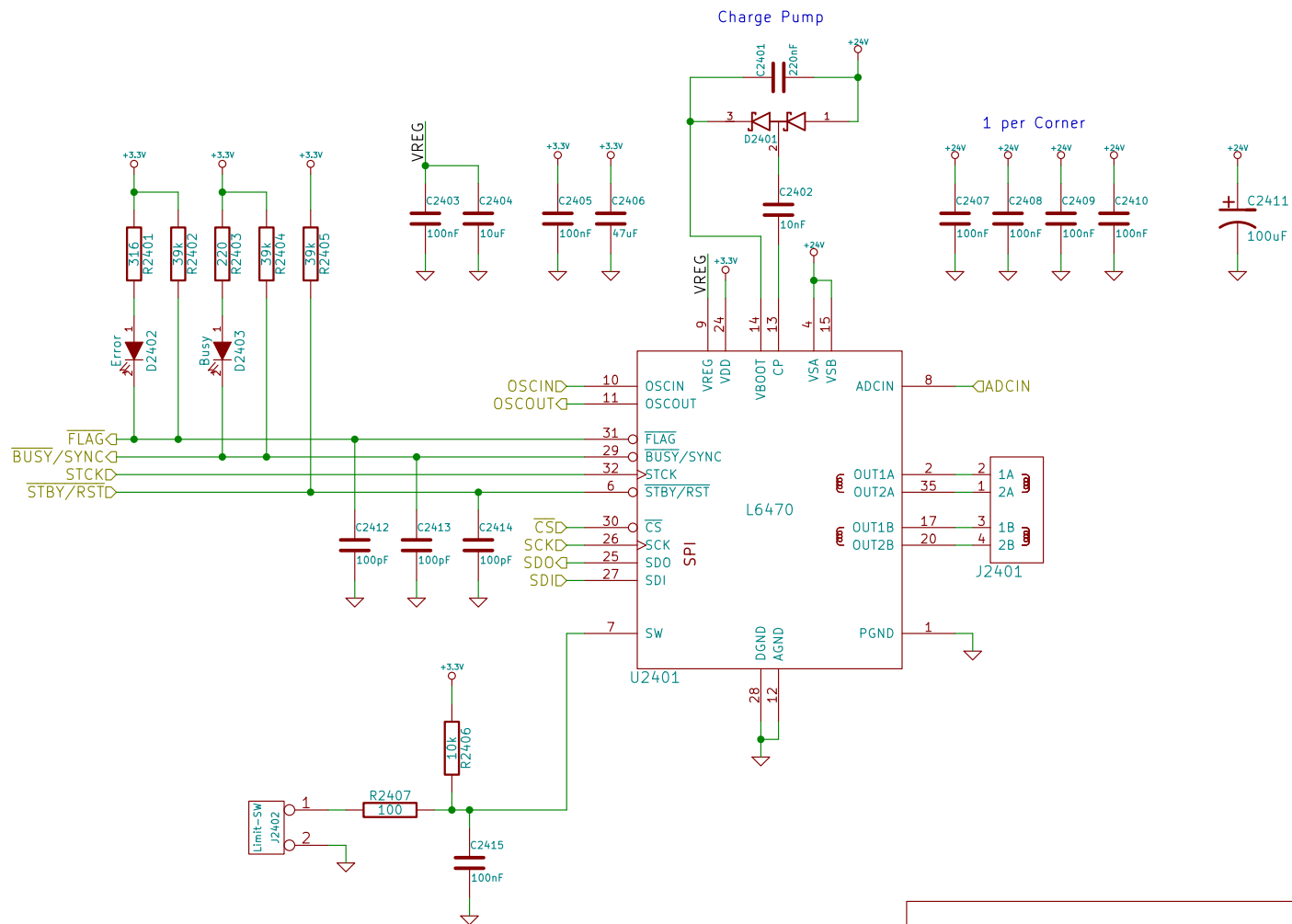
Title: L64470 Stepper Driver

Size: USLetter Date: 21 jan 2014

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Rev:

Id: 12/26



Sheet: /Stepper 1/

File: stepper_driver.kicad_sch

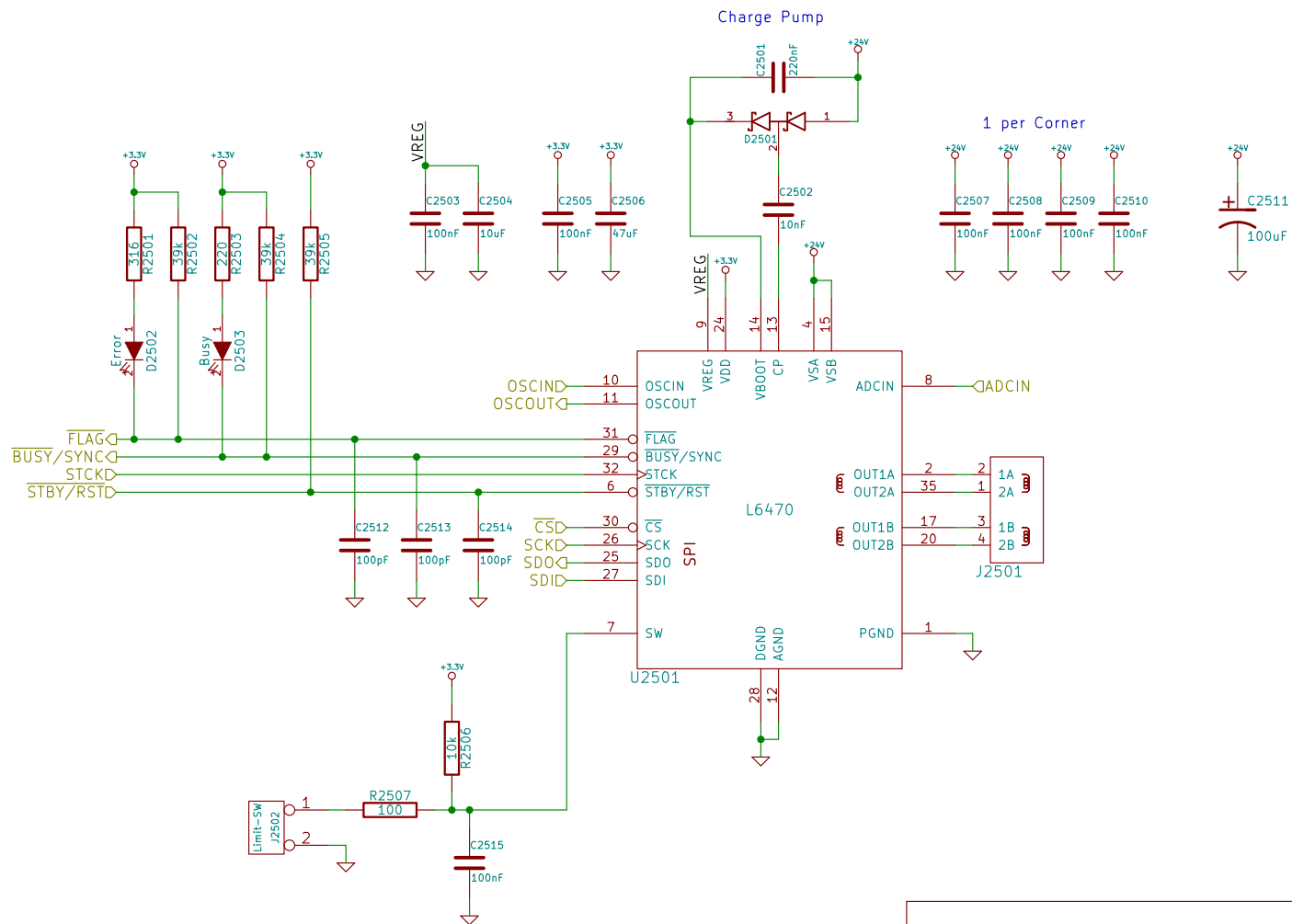
Title: L64470 Stepper Driver

Size: USLetter Date: 21 jan 2014

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Id: 23/26



Sheet: /Stepper 2/

File: stepper_driver.kicad_sch

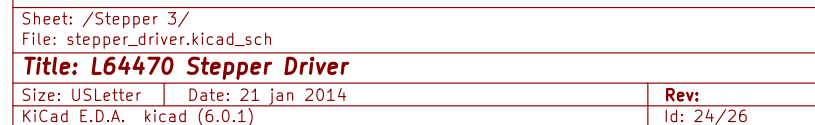
Title: L64470 Stepper Driver

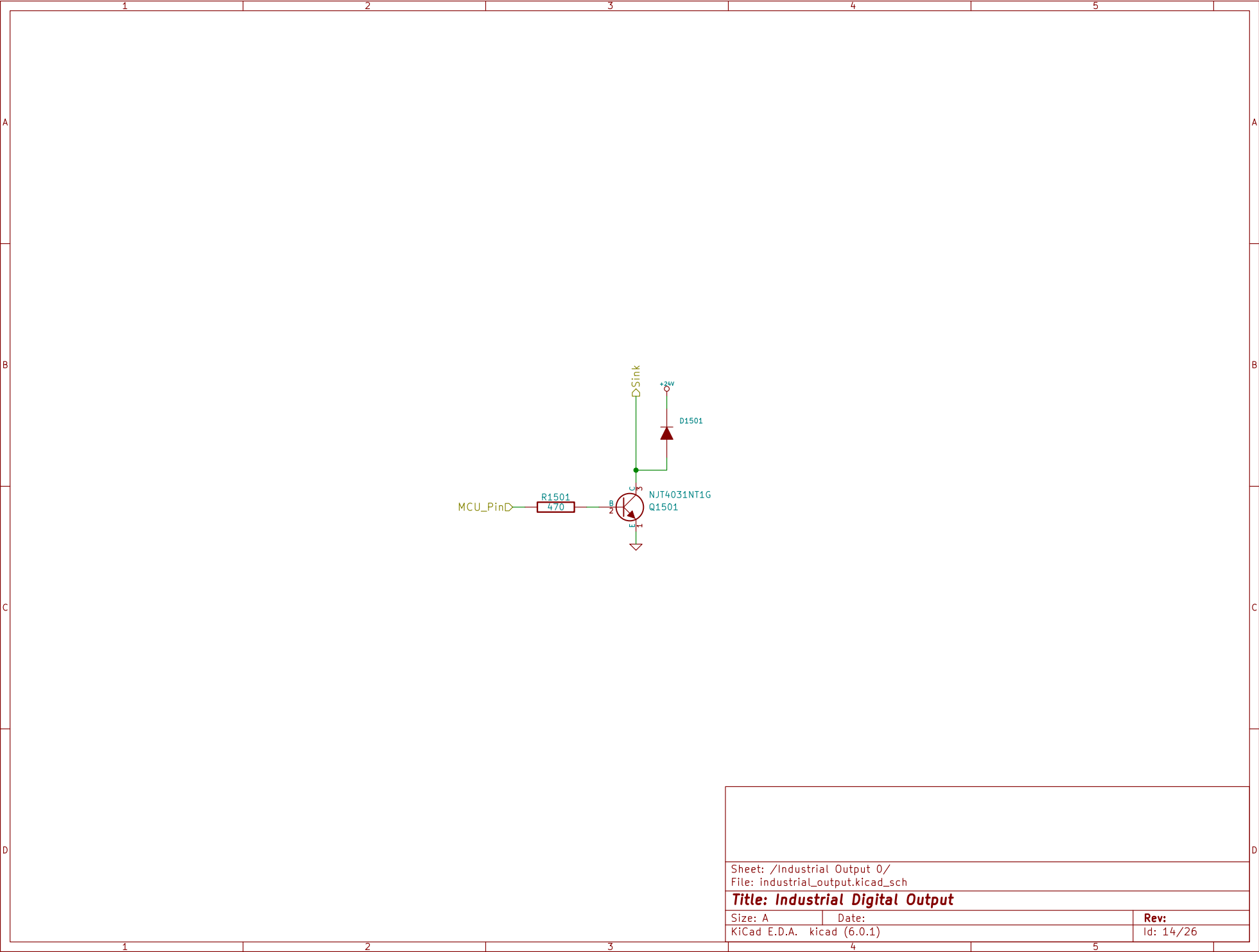
Size: USLetter Date: 21 jan 2014

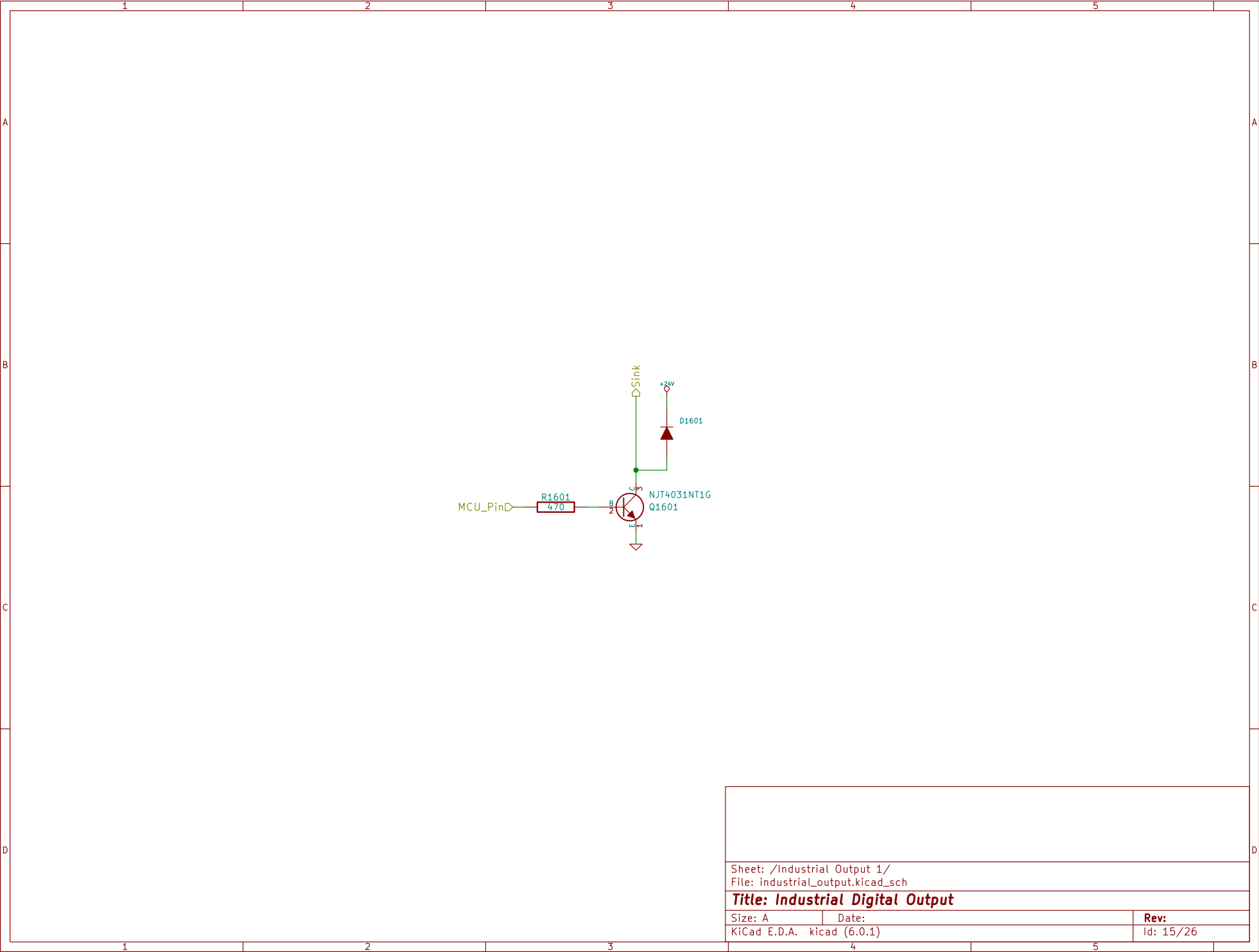
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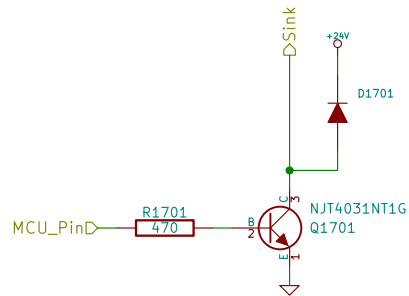
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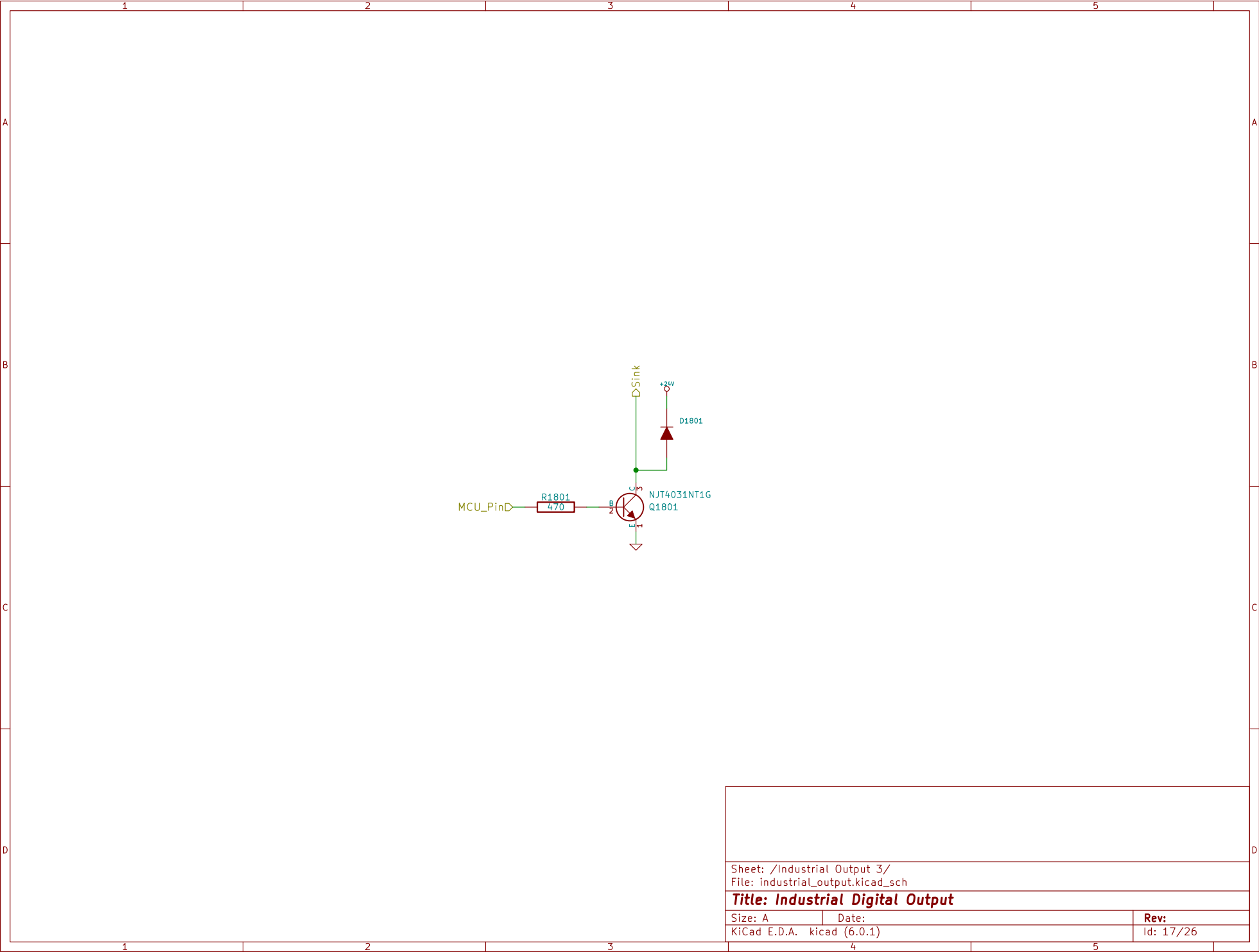


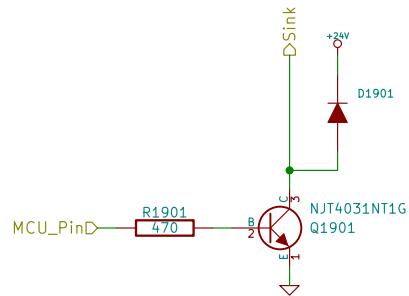
Sheet: /Industrial Output 2/
File: industrial_output.kicad_sch

Title: Industrial Digital Output

Size: A Date:
KiCad E.D.A. kicad (6.0.1)

Rev:
Id: 16/26

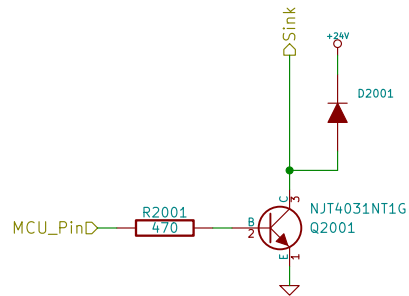




Sheet: /Industrial Output 4/
File: industrial_output.kicad_sch

Title: Industrial Digital Output

Size: A	Date:	Rev:
KiCad E.D.A. kicad (6.0.1)		Id: 18/26

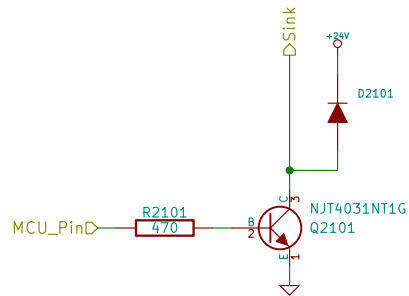


Sheet: /Industrial Output 5/
File: industrial_Loutput.kicad_sch

Title: Industrial Digital Output

Size: A Date:
KiCad E.D.A. kicad (6.0.1)

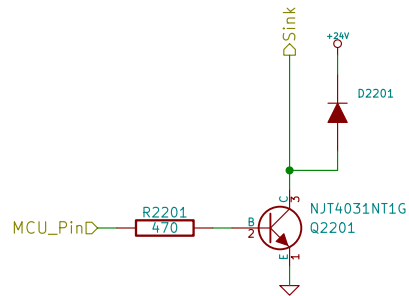
Rev:
Id: 19/26



Sheet: /Industrial Output 6/
File: industrial_Loutput.kicad_sch

Title: Industrial Digital Output

Size: A	Date:	Rev:
KiCad E.D.A. kicad (6.0.1)		Id: 20/26

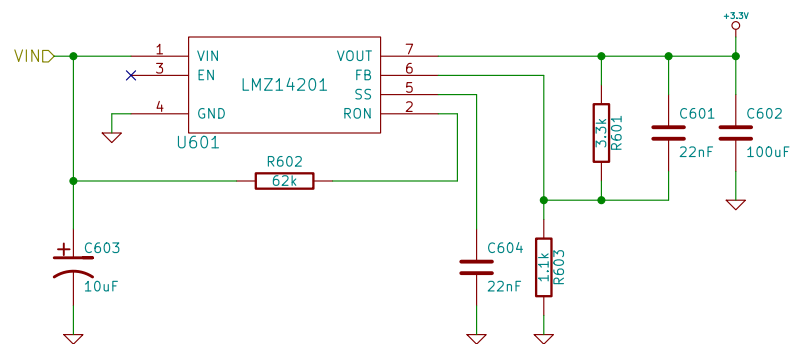


Sheet: /Industrial Output 7/
File: industrial_output.kicad_sch

Title: Industrial Digital Output

Size: A Date:
KiCad E.D.A. kicad (6.0.1)

Rev:
Id: 21/26

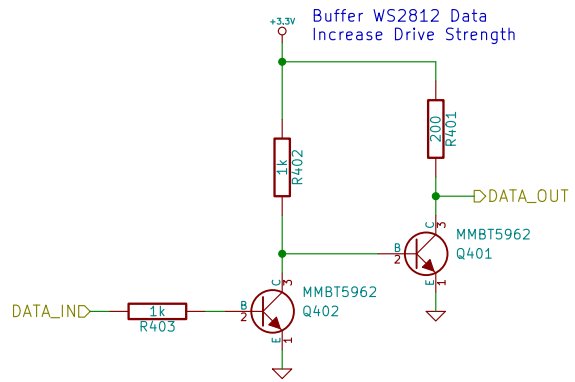


Sheet: /3.3V Regulator/
File: 3v3_regulator.kicad_sch

Title: 3.3V Switching Regulator

Size: A Date: 21 jan 2014
KiCad E.D.A. kicad (6.0.1)

Rev:
Id: 22/26

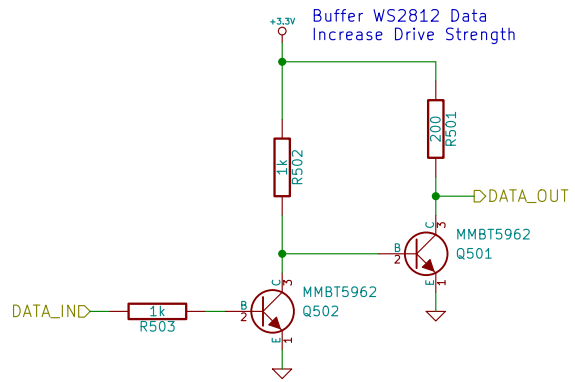


Sheet: /LED Data 0/
File: ws2812_buffer.kicad_sch

Title: WS2812 Buffered Output

Size: USLetter Date:
KiCad E.D.A. kicad (6.0.1)

Rev:
Id: 25/26



Sheet: /LED Data 1/
File: ws2812_buffer.kicad_sch

Title: WS2812 Buffered Output

Size: USLetter Date:
KiCad E.D.A. kicad (6.0.1)

Rev:
Id: 26/26