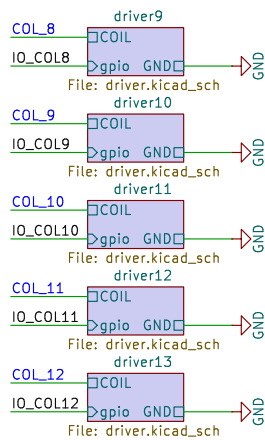
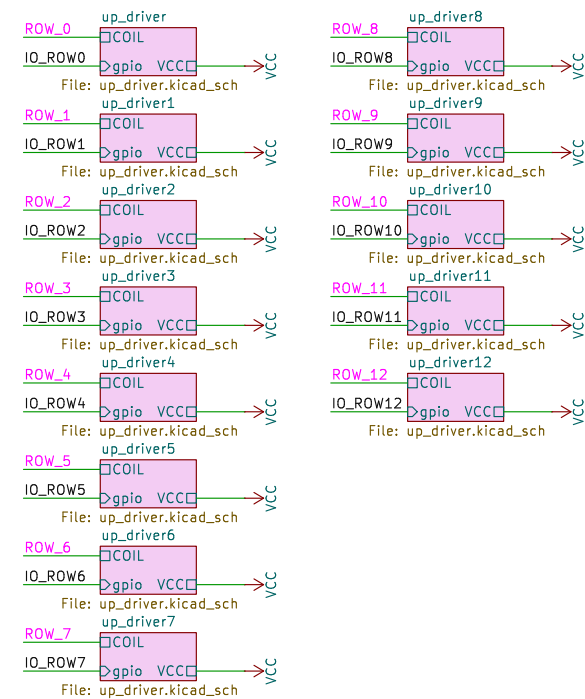
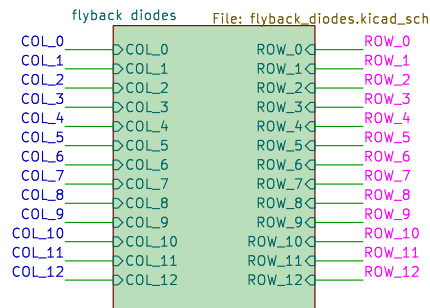
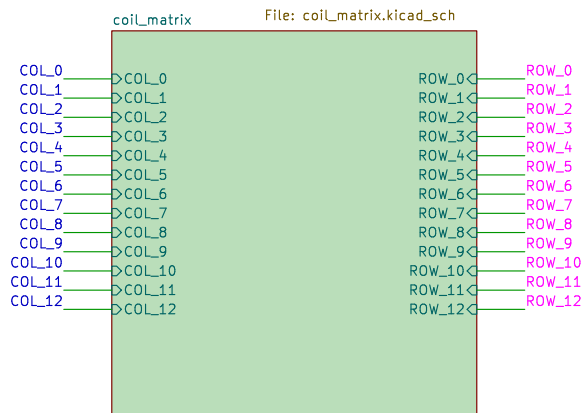


## COLUMNS

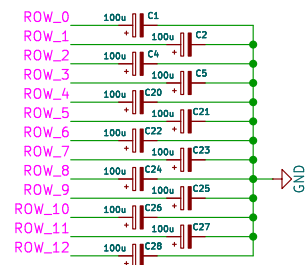


## COIL MATRIX

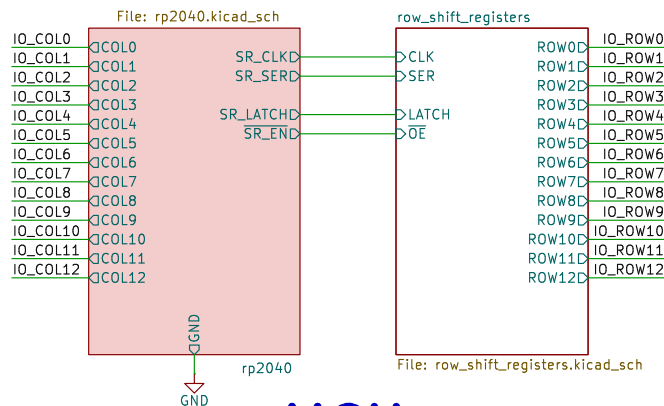


## ROWS

## Flyback Diodes



## Bulk capacitors



## MCU



## POWER INPUT

08/2024  
Jonas Stirnemann

Sheet: /  
File: magtrix.kicad\_sch

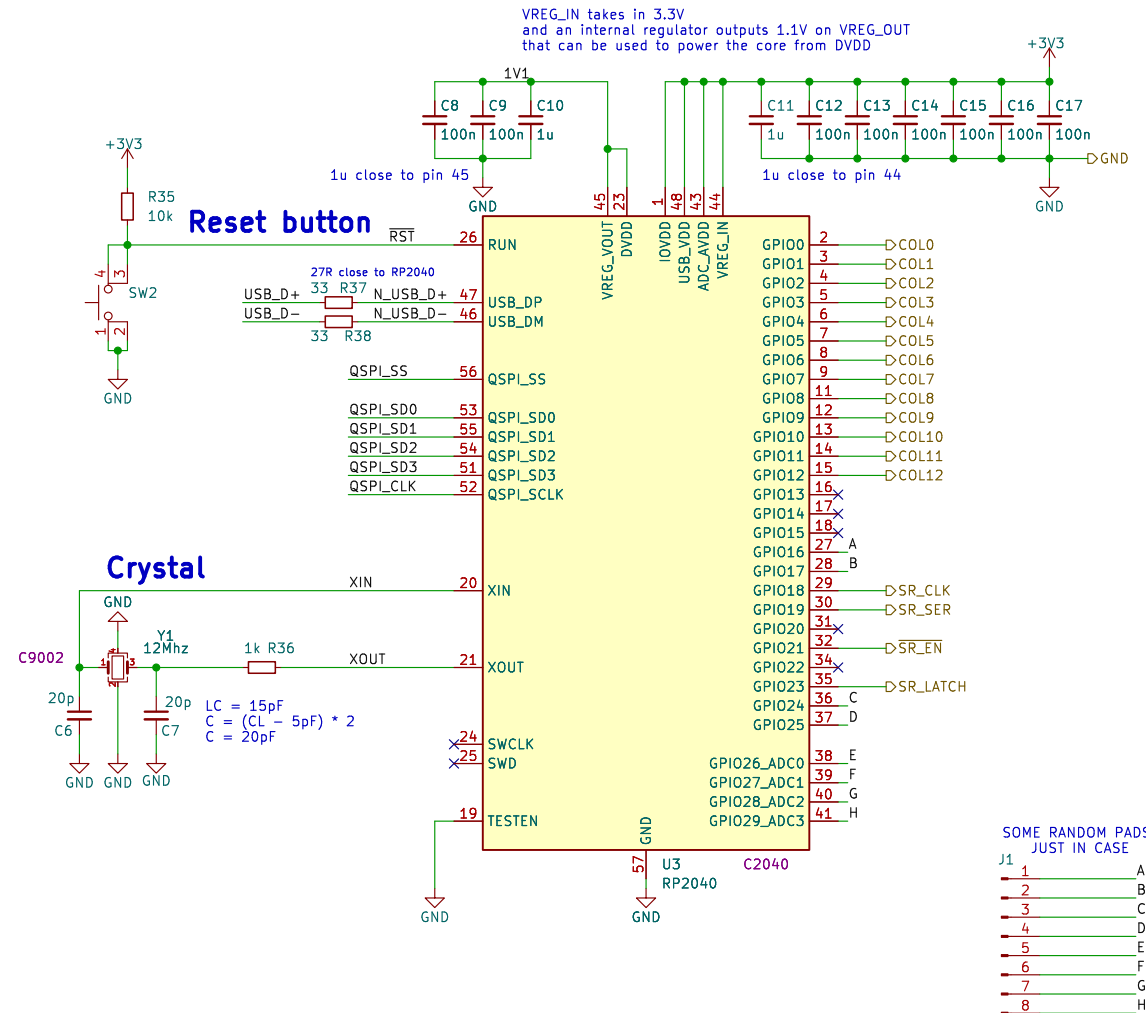
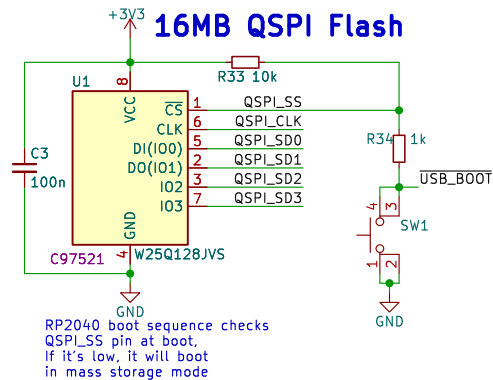
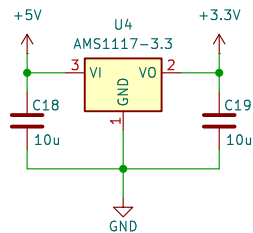
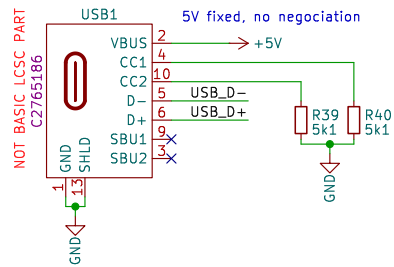
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Size: A4 Date: 2024-08-01

KiCad E.D.A. 8.0.3

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Id: 1/31

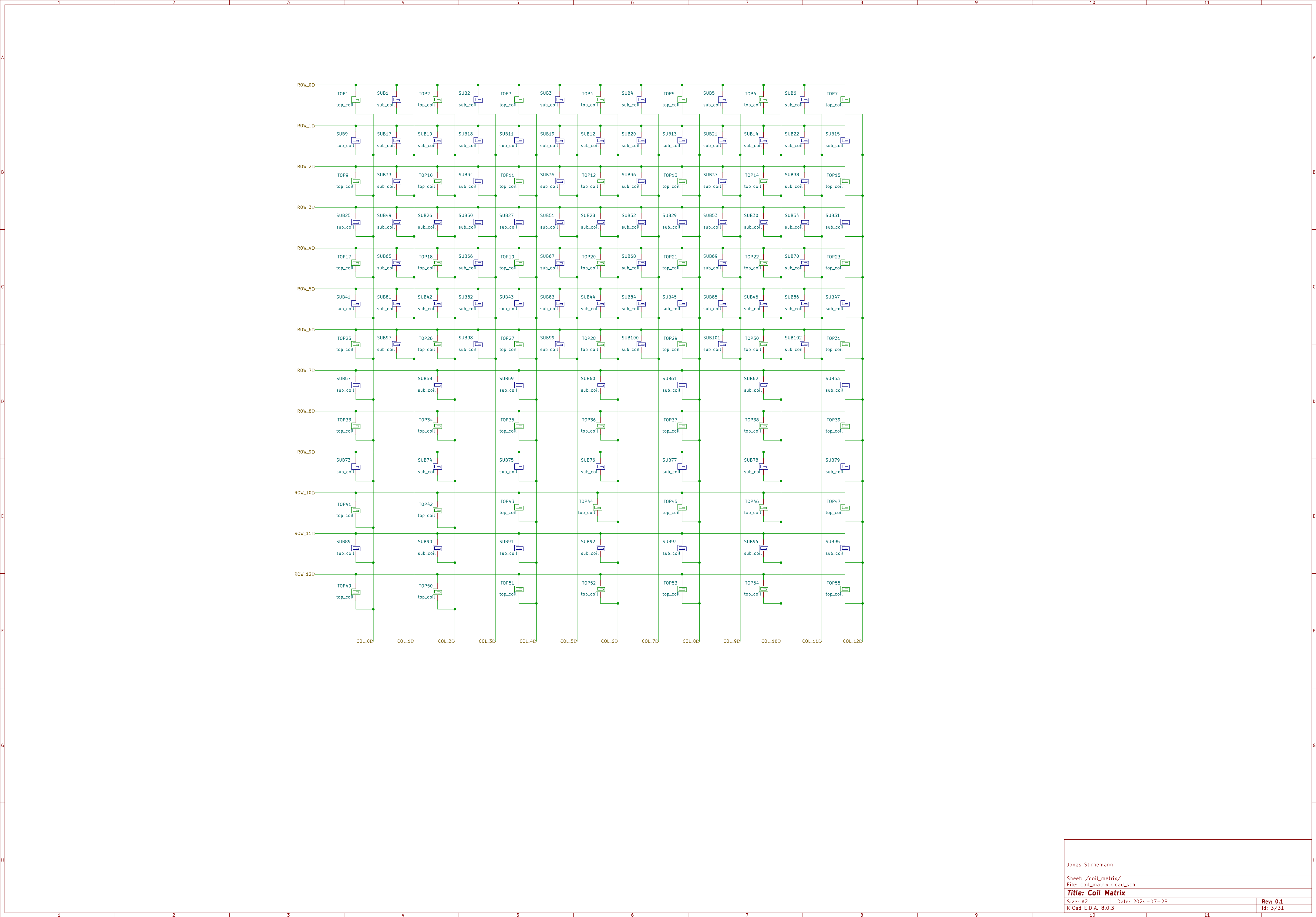


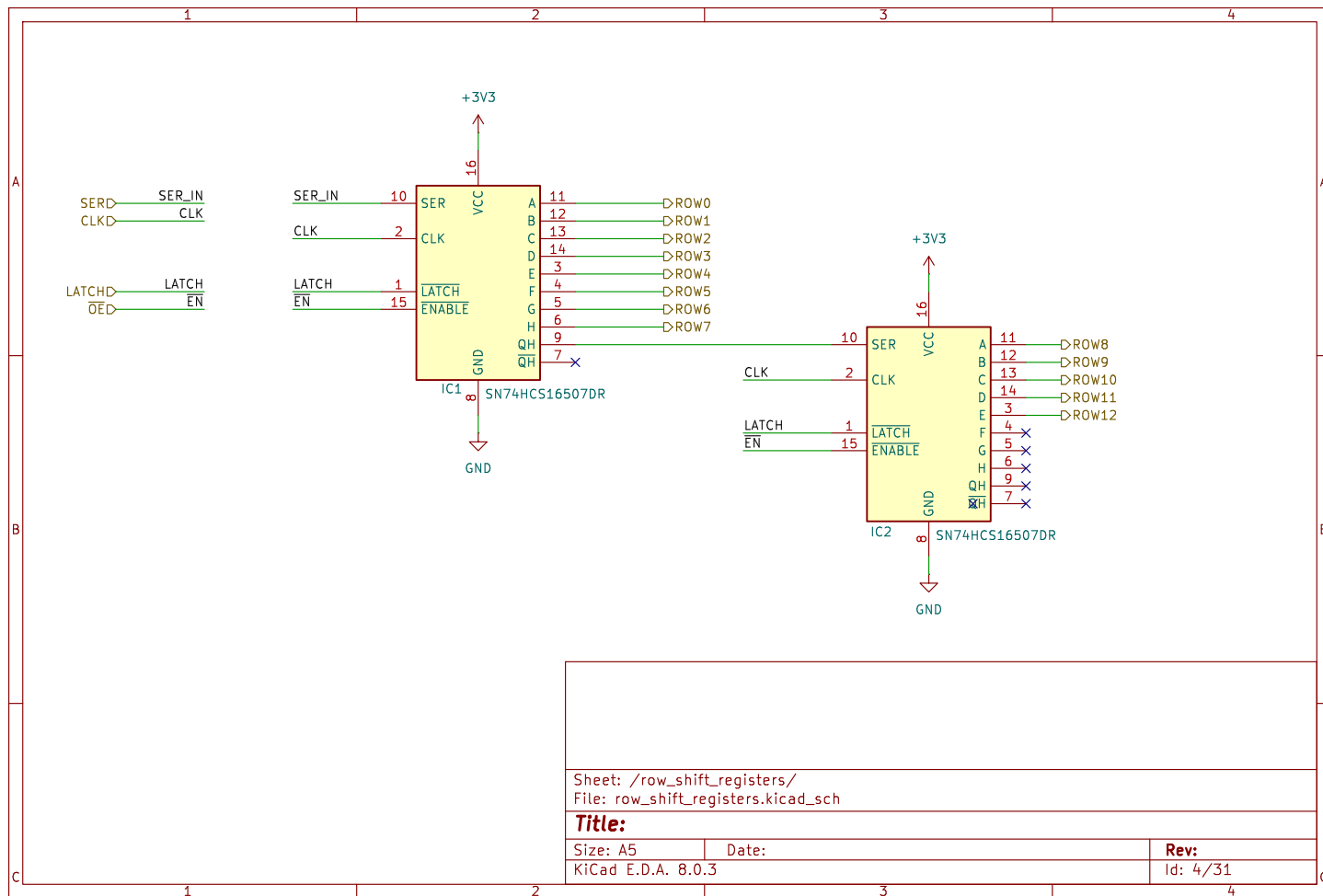
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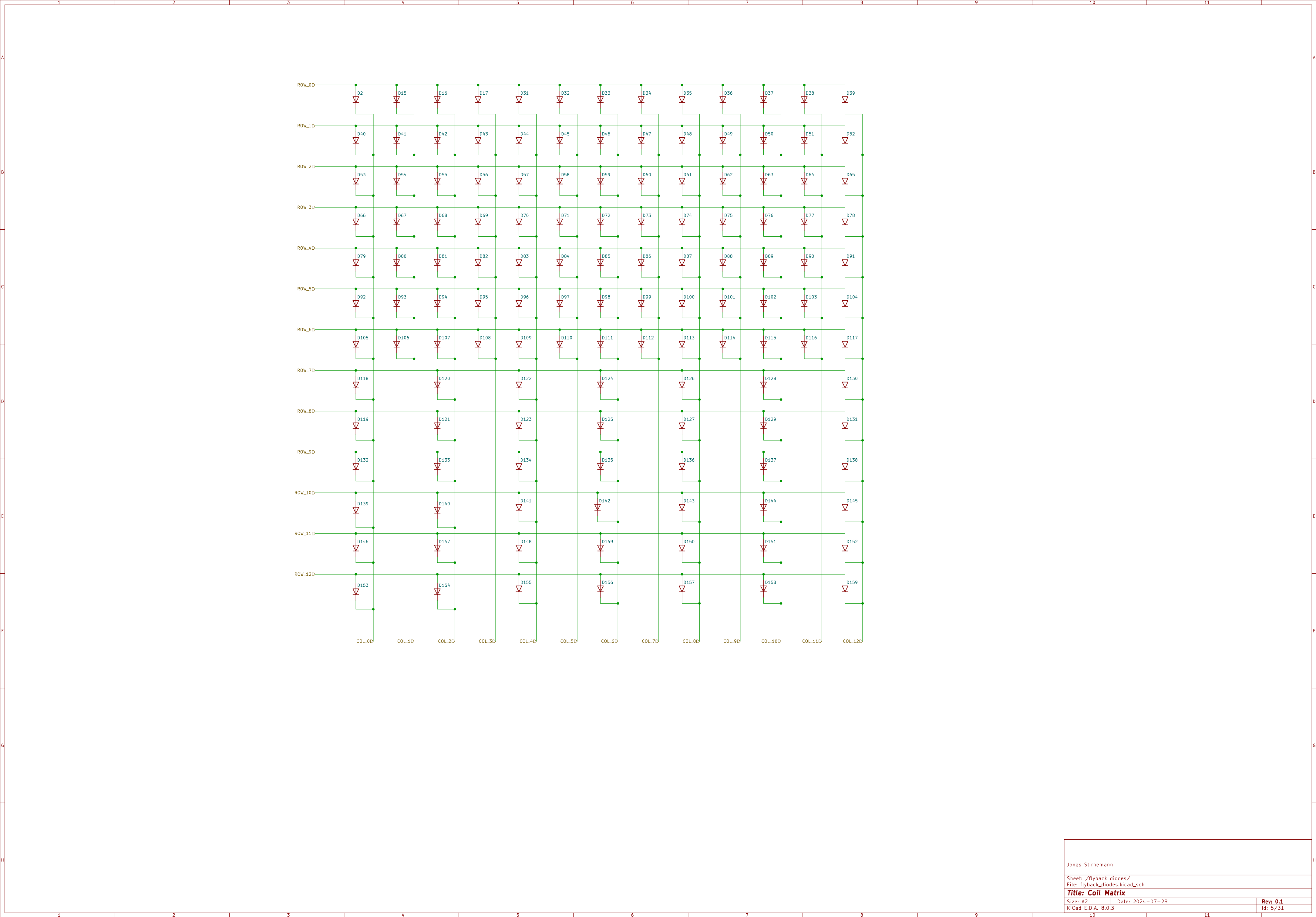
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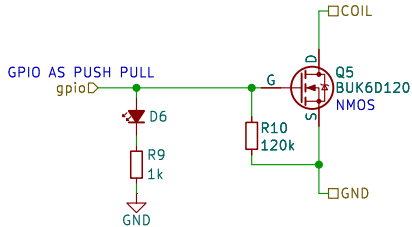
Size: A4 Date:  
KiCad E.D.A. 8.0.3

Rev:  
Id: 2/31









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Sheet: /driver5/  
File: driver.kicad\_sch

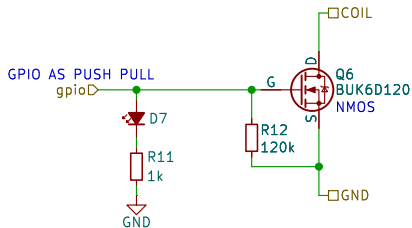
# **Title: Coil driver FET**

Size: User      Date: 2024-07-28

KiCad E.D.A. 8.0.3

**Rev: 0.1**

Id: 6/31



Jonas Stirnemann

Sheet: /driver6/  
File: driver.kicad\_sch

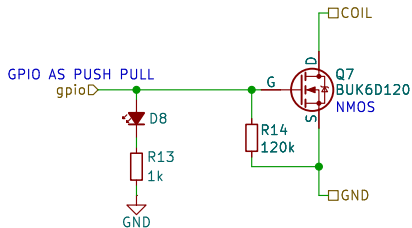
# **Title: Coil driver FET**

Size: User      Date: 2024-07-28

**Rev: 0.1**

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Id: 7/31



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Sheet: /driver7/  
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# **Title: Coil driver FET**

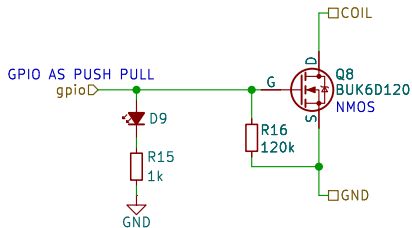
Size: User      Date: 2024-07-28

Rev: 0.1

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Id: 8/31





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Sheet: /driver8/  
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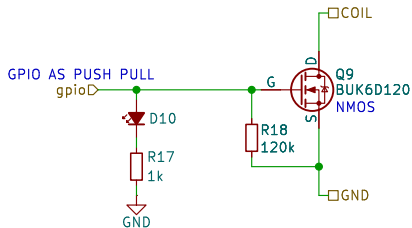
# **Title: Coil driver FET**

Size: User      Date: 2024-07-28

**Rev: 0.1**

KiCad E.D.A. 8.0.3

Id: 9/31



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Sheet: /driver9/  
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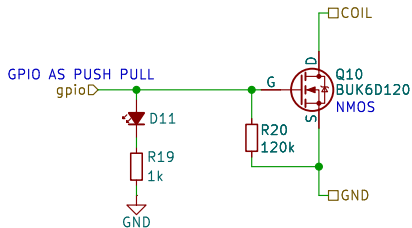
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Size: User      Date: 2024-07-28

**Rev: 0.1**

KiCad E.D.A. 8.0.3

Id: 10/31



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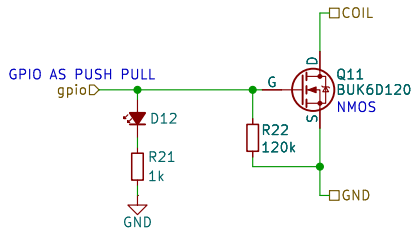
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Size: User      Date: 2024-07-28

KiCad E.D.A. 8.0.3

**Rev: 0.1**

Id: 11/31



Jonas Stirnemann

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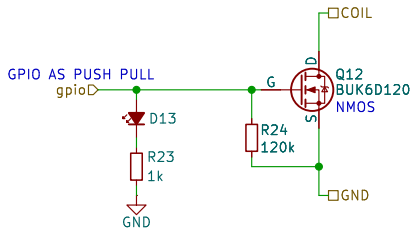
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Size: User      Date: 2024-07-28

Rev: 0.1

KiCad E.D.A. 8.0.3

Id: 12/31



Jonas Stirnemann

Sheet: /driver12/  
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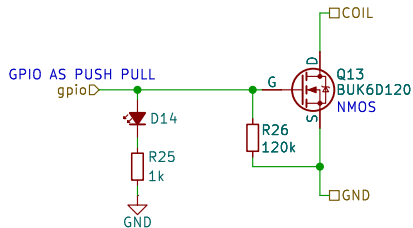
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Size: User Date: 2024-07-28

KiCad E.D.A. 8.0.3

Rev: 0.1

Id: 13/31



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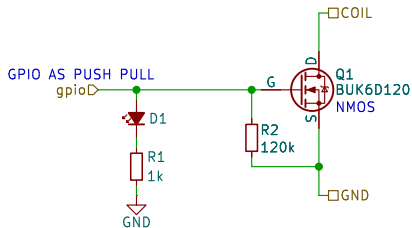
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Size: User      Date: 2024-07-28

Rev: 0.1

KiCad E.D.A. 8.0.3

Id: 14/31



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Sheet: /driver2/  
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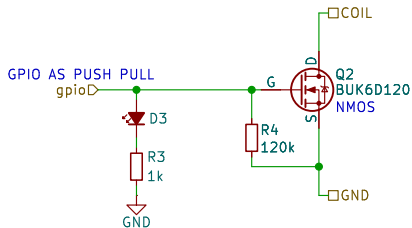
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Size: User      Date: 2024-07-28

Rev: 0.1

KiCad E.D.A. 8.0.3

Id: 18/31



Jonas Stirnemann

Sheet: /driver1/  
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# **Title: Coil driver FET**

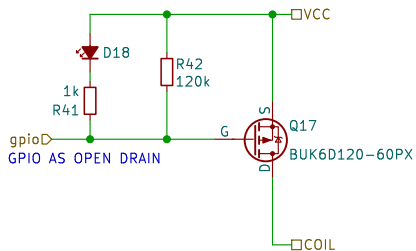
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**Rev: 0.1**

KiCad E.D.A. 8.0.3

Id: 19/31





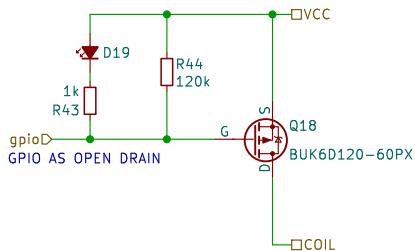
Jonas Stirnemann

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File: up\_driver.kicad\_sch

## Title: Row driver

Size: User      Date: 2024-07-28  
KiCad E.D.A. 8.0.3

Rev: 0.1  
Id: 20/31



Jonas Stirnemann

Sheet: /up\_driver1/  
File: up\_driver.kicad\_sch

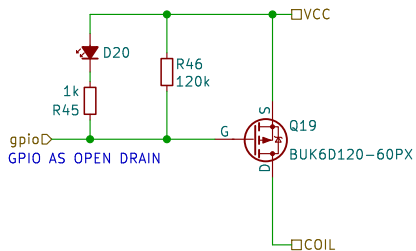
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Size: User Date: 2024-07-28

Rev: 0.1

KiCad E.D.A. 8.0.3

Id: 22/31



Jonas Stirnemann

Sheet: /up\_driver2/

File: up\_driver.kicad\_sch

## Title: Row driver

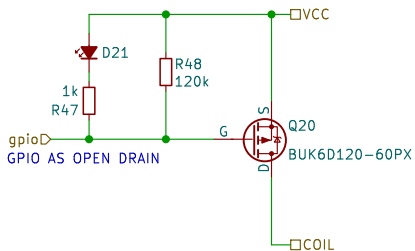
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Date: 2024-07-28

Rev: 0.1

KiCad E.D.A. 8.0.3

Id: 23/31



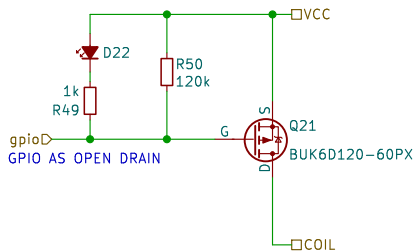
Jonas Stirnemann

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## Title: Row driver

Size: User      Date: 2024-07-28  
KiCad E.D.A. 8.0.3

Rev: 0.1  
Id: 24/31



Jonas Stirnemann

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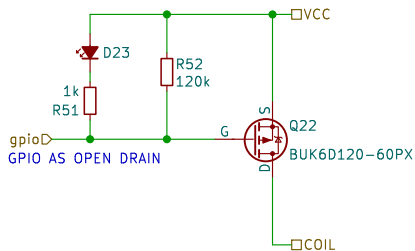
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Size: User Date: 2024-07-28

Rev: 0.1

KiCad E.D.A. 8.0.3

Id: 25/31



Jonas Stirnemann

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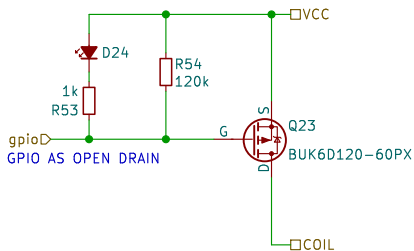
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Size: User Date: 2024-07-28

Rev: 0.1

KiCad E.D.A. 8.0.3

Id: 26/31



Jonas Stirnemann

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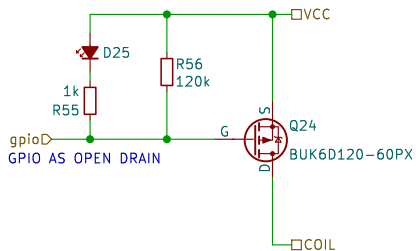
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Size: User Date: 2024-07-28

Rev: 0.1

KiCad E.D.A. 8.0.3

Id: 27/31



Jonas Stirnemann

Sheet: /up\_driver7/  
File: up\_driver.kicad\_sch

## Title: Row driver

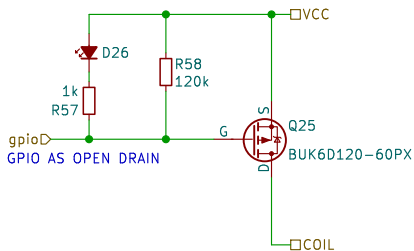
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Rev: 0.1

KiCad E.D.A. 8.0.3

Id: 28/31





Jonas Stirnemann

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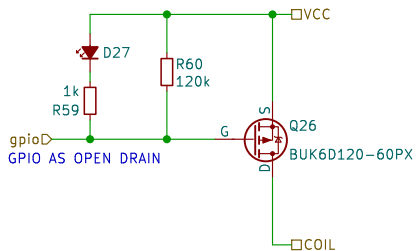
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Size: User      Date: 2024-07-28

Rev: 0.1

KiCad E.D.A. 8.0.3

Id: 29/31



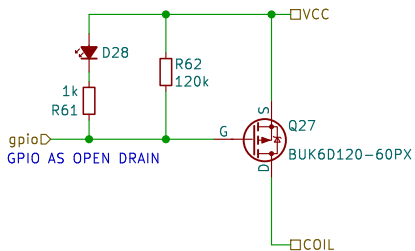
Jonas Stirnemann

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## Title: Row driver

Size: User      Date: 2024-07-28  
KiCad E.D.A. 8.0.3

Rev: 0.1  
Id: 30/31



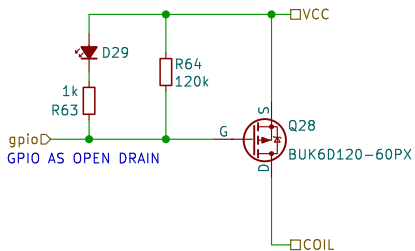
Jonas Stirnemann

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## Title: Row driver

Size: User      Date: 2024-07-28  
KiCad E.D.A. 8.0.3

Rev: 0.1  
Id: 31/31



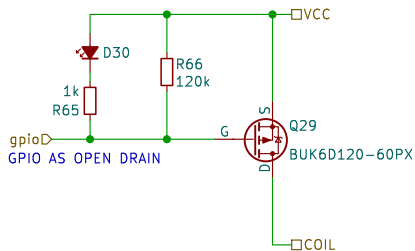
Jonas Stirnemann

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## Title: Row driver

Size: User      Date: 2024-07-28  
KiCad E.D.A. 8.0.3

Rev: 0.1  
Id: 32/31



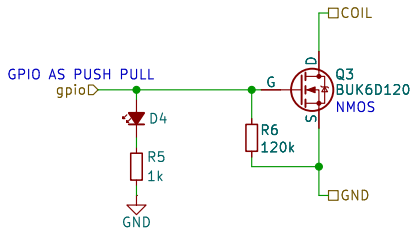
Jonas Stirnemann

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File: up\_driver.kicad\_sch

## Title: Row driver

Size: User      Date: 2024-07-28  
KiCad E.D.A. 8.0.3

Rev: 0.1  
Id: 33/31



Jonas Stirnemann

Sheet: /driver3/  
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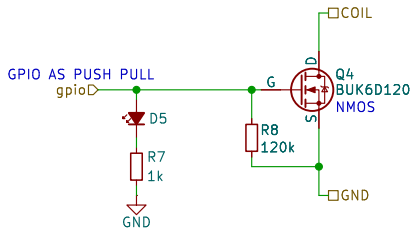
# **Title: Coil driver FET**

Size: User      Date: 2024-07-28

KiCad E.D.A. 8.0.3

**Rev: 0.1**

Id: 37/31



Jonas Stirnemann

Sheet: /driver4/  
File: driver.kicad\_sch

# **Title: Coil driver FET**

Size: User      Date: 2024-07-28

**Rev: 0.1**

KiCad E.D.A. 8.0.3

Id: 38/31