

Sheet: /UI_ENC/ENCODER_8/
File: UI_ENC_FILTER.kicad_sch

Title:

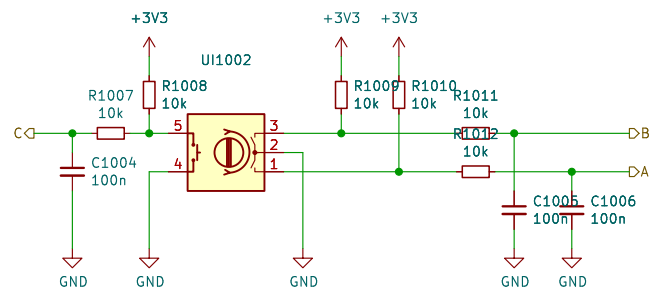
Size: A4

Date:

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Sheet: /UI_ENC/ENCODER_11/
File: UI_ENC_FILTER.kicad_sch

Title:

Size: A4
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900



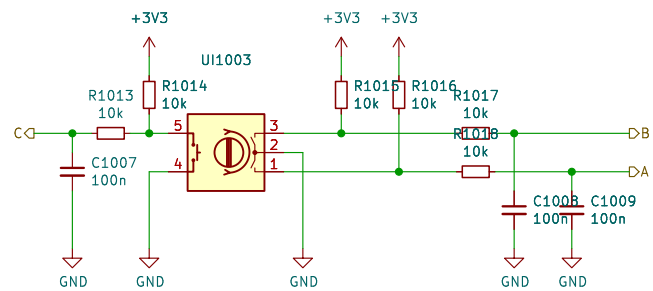
Sheet: /UI_LED/
File: UI_LED.kicad_sch

Title:

Size: A4
KiCad E.D.A. 8.0.8

Date:

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Id: 4/23



Sheet: /UI_ENC/ENCODER_5/
File: UI_ENC_FILTER.kicad_sch

Title:

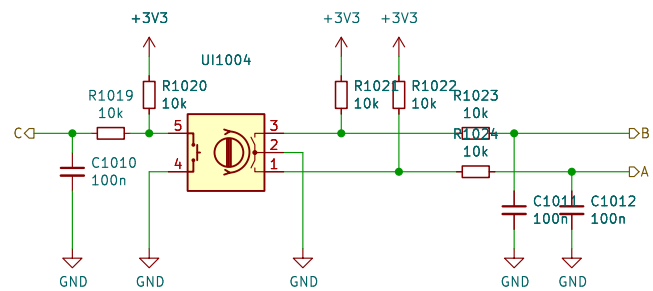
Size: A4

Date:

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KiCad E.D.A. 8.0.8

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Sheet: /UI_ENC/ENCODER_12/
File: UI_ENC_FILTER.kicad_sch

Title:

Size: A4

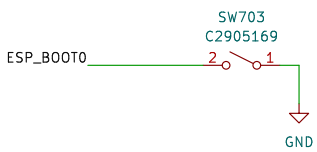
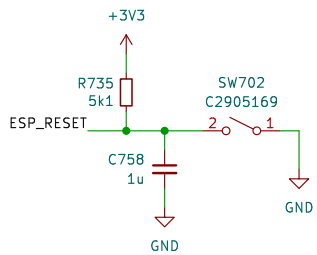
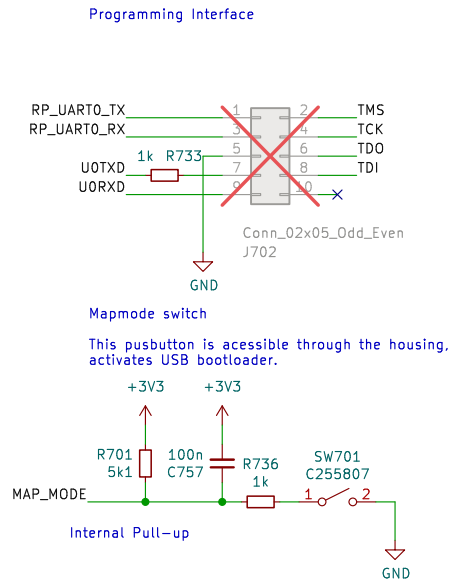
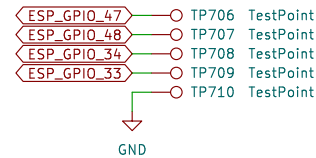
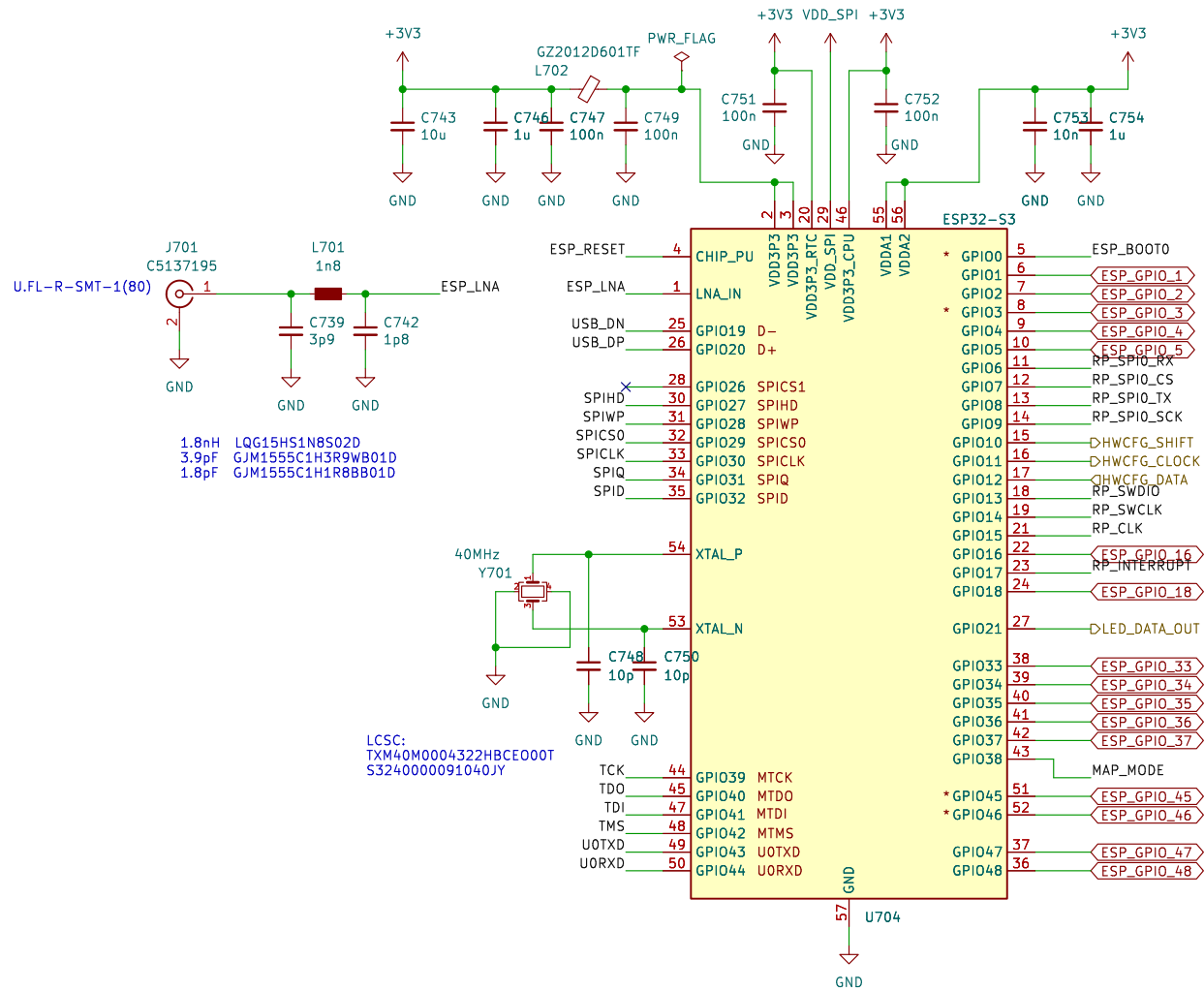
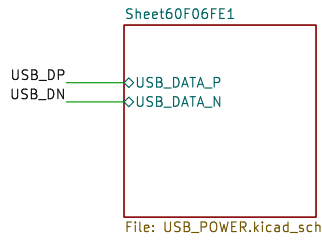
Date:

Rev:

KiCad E.D.A. 8.0.8

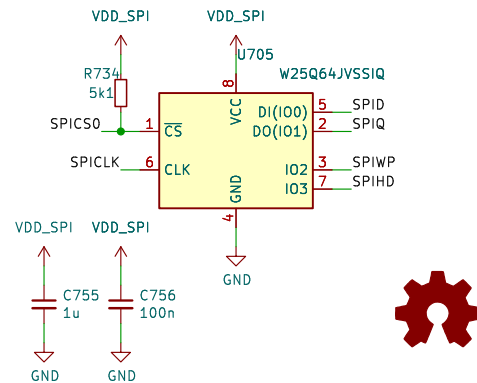
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QSPI Flash memory

This memory can be accessed throug the QSPI interface of the MCU. Can be used for configuration, static data or program execution.



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| Size: A4 | Date: | Rev: |
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| Size: A4 | Date: | Rev: |
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| Title: | | |
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. 8.0.8 | | Id: 9/23 |

800

Board Identification

Grid firmware can identify the hardware and the board revision through a 3 wire serial interface using one or more shift register as read only memory. The content of the memory is defined by pulling the inputs high or low through pcb traces or solderable configuration jumpers.

4b'Model + 4b'Revision + nb'Reserved (Multiple shift registers)

D0: MODEL (LSB)
D1: MODEL
D2: MODEL
D3: MODEL (MSB)
D4: REVISION (LSB)
D5: REVISION
D6: REVISION
D7: REVISION (MSB)

Model Codes (D3-D0):

Po16 0000
Bo16 0001
PBF4 0010
EN16 0011
...

Revision Codes (D7-D4):

RevA 0000
RevB 0001
RevC 0010
RevD 0011
...

Grid firmware can identify the hardware and the board revision through a 3 wire serial interface using one or more shift register as read only memory. The content of the memory is defined by pulling the inputs high or low through pcb traces or solderable configuration jumpers.

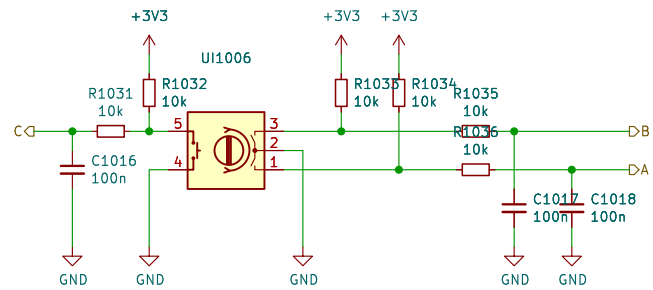
D0: MODEL (LSB)
D1: MODEL
D2: MODEL
D3: MODEL (MSB)
D4: REVISION (LSB)
D5: REVISION
D6: REVISION
D7: REVISION (MSB)

| | |
|------|------|
| Po16 | 0000 |
| Bo16 | 0001 |
| PBF4 | 0010 |
| EN16 | 0011 |
| ... | |

```
RevA 0000
RevB 0001
RevC 0010
RevD 0011
...
```

| | |
|---|-----------|
| | |
| Sheet: /HWCFG/ File: HWCFG.kicad_sch | |
| Title: | |
| Size: A4 | Date: |
| KiCad E.D.A. 8.0.8 | Id: 10/23 |





Sheet: /UI_ENC/ENCODER_6/
File: UI_ENC_FILTER.kicad_sch

Title:

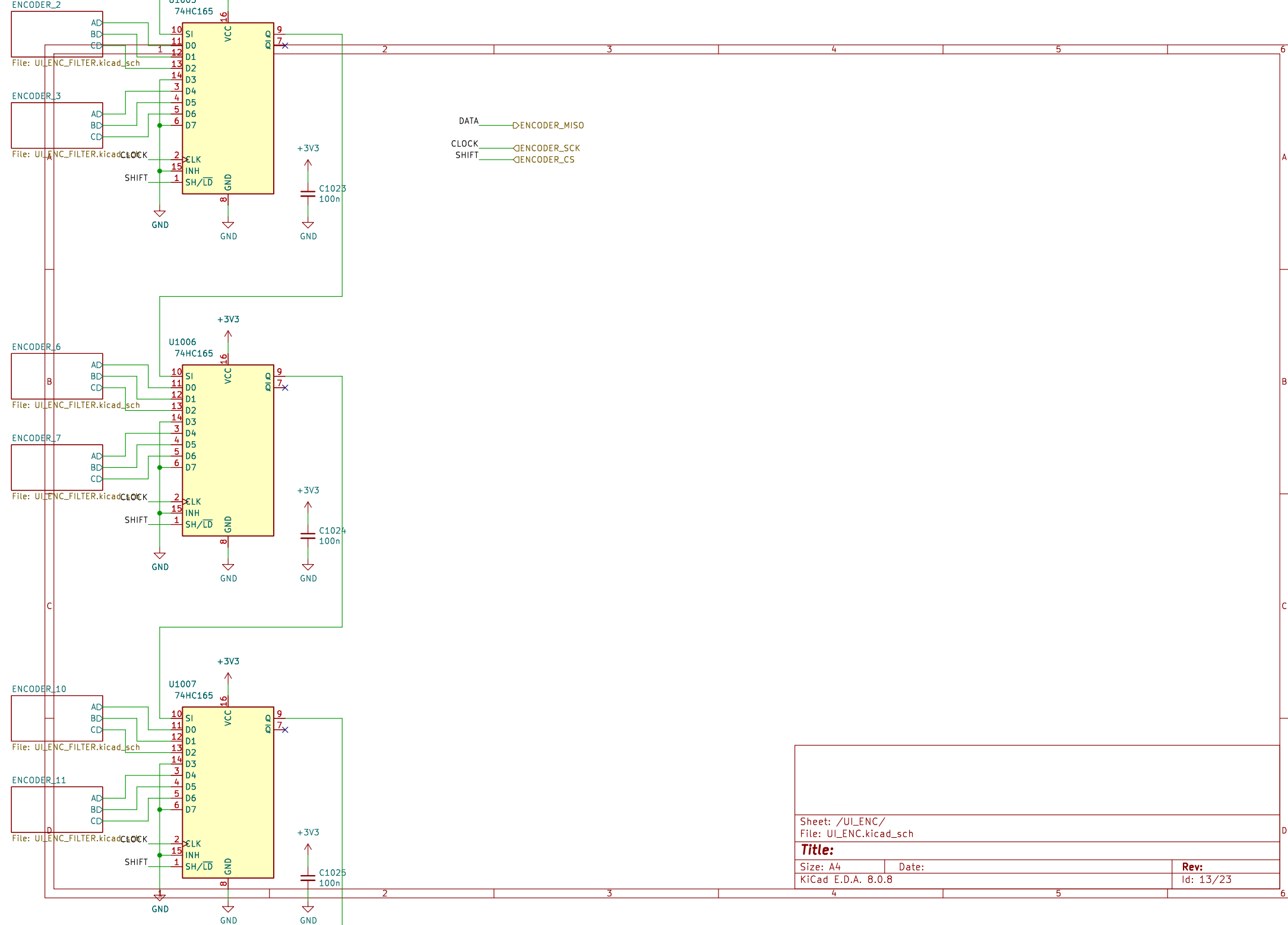
Size: A4

Date:

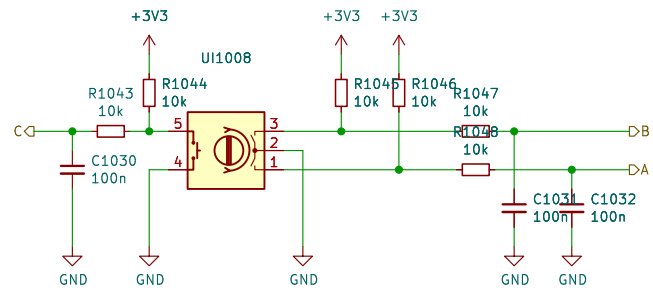
Rev:

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Id: 12/23







Sheet: /UI_ENC/ENCODER_1/
File: UI_ENC_FILTER.kicad_sch

Title:

Size: A4

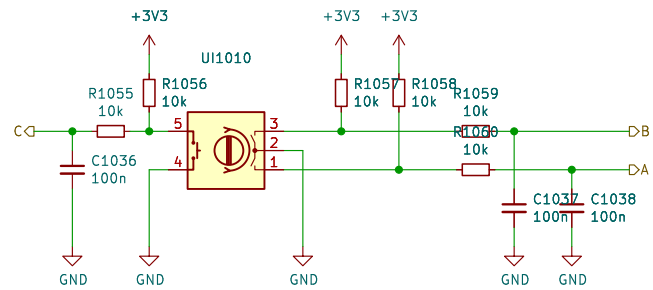
Date:

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Sheet: /UI_ENC/ENCODER_14/
File: UI_ENC_FILTER.kicad_sch

Title:

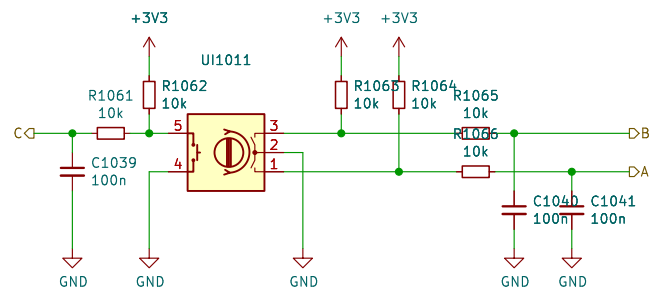
Size: A4

Date:

Rev:

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Sheet: /UI_ENC/ENCODER_13/
File: UI_ENC_FILTER.kicad_sch

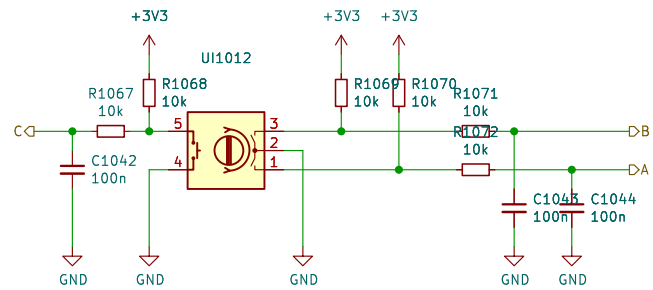
Title:

Size: A4
KiCad E.D.A. 8.0.8

Date:

Rev:

Id: 18/23



Sheet: /UI_ENC/ENCODER_10/
File: UI_ENC_FILTER.kicad_sch

Title:

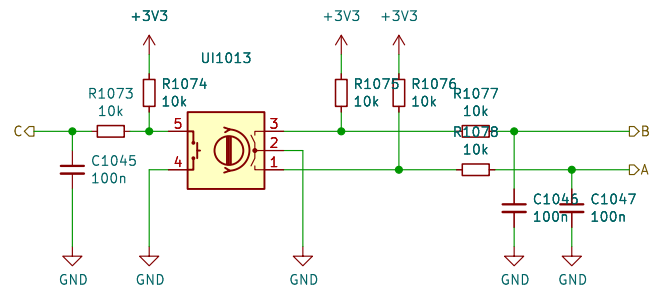
Size: A4

Date:

Rev:

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Sheet: /UI_ENC/ENCODER_15/
File: UI_ENC_FILTER.kicad_sch

Title:

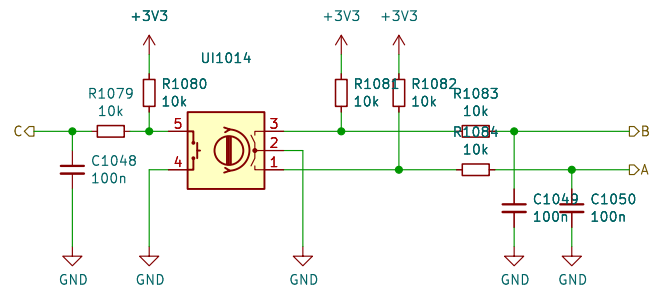
Size: A4

Date:

Rev:

KiCad E.D.A. 8.0.8

Id: 20/23



Sheet: /UI_ENC/ENCODER_2/
File: UI_ENC_FILTER.kicad_sch

Title:

Size: A4

Date:

Rev:

KiCad E.D.A. 8.0.8

Id: 21/23



