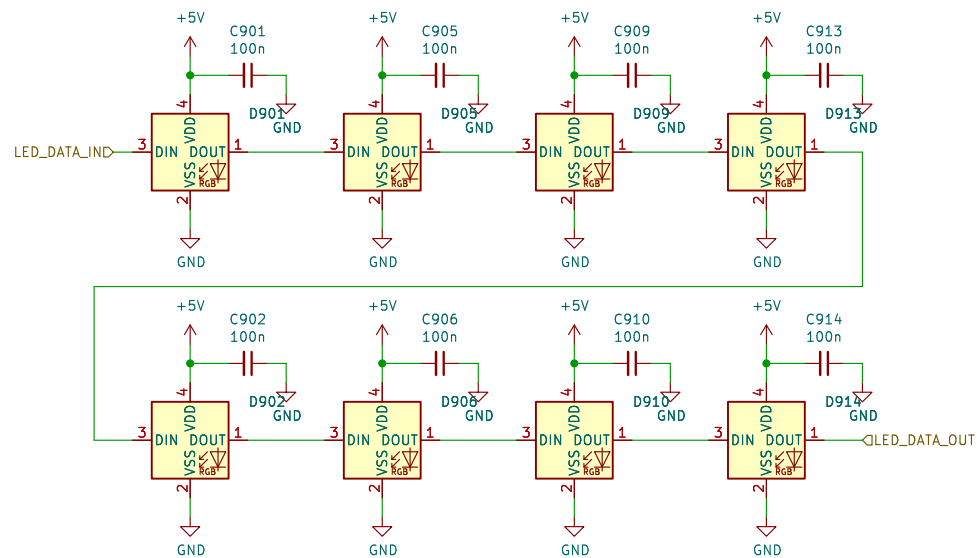


900



Sheet: /UI_LED/
File: UI_LED.kicad_sch

Title:

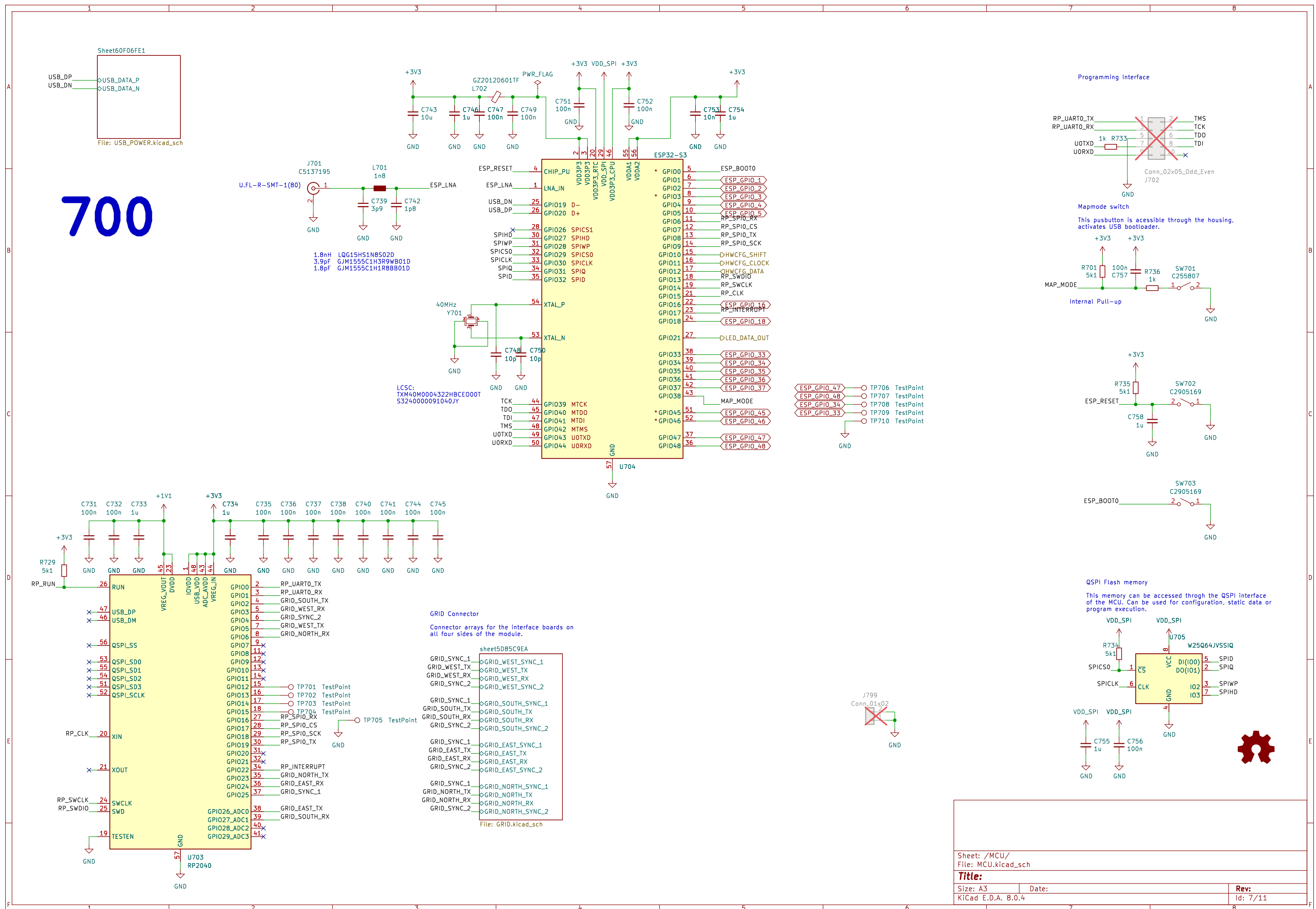
Size: A4

Date:

Rev:

KiCad E.D.A. 8.0.4

Id: 4/11



500

GRID Connector
Bi-Directional Data
2x SYNC

Board Mounting Pattern



Sheet: /MCU/sheet5D85C9EA/ File: GRID.kicad_sch		
Title:		
Size: A4	Date:	Rev:
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600

ESD Diodes
ESD protection for all of the externally accessible nets.

U601
C5451661

VBUS
USB_DATA_N
USB_DATA_P
GND

TP601
GND

TP602
VB

TP603
D-

TP604
D+

USB_DATA_P
USB_DATA_N

+3V3 LDO Regulators
Regulators for generating independent power rails for the microcontroller and the user interface.

U602
LN1134A332MR-G

VBUS +5V
GZ2012D601TF
L601

PWR_FLAG

C601
1u

C602
1u

TP605
UI

+3V3

J601
TYPE-C-32-M-12

VBUS
VBUS

CC1
A5
B5

CC2
A7
B7

D-
D-
D+
D+
A6
B6

SBU1
A8
BB

SBU2
PWR_FLAG

GND
A1B12
A12B1

GND

GND
5k1
R601

GND
5k1
R602

C603
4n7

R603
1M

GND

GND

Sheet: /MCU/Sheet60F06FE1/
File: USB_POWER.kicad_sch

Title:

Size: A4 Date: Rev:

KiCad E.D.A. 8.0.4 Id: 9/11

ESD protection for all of the externally accessible nets.



Size: A4

Size: A4	Date:
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KiCad E.D.A. 8.0.4

Rev:

Id: 9/11

[illegible]

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:		Rev:
KiCad E.D.A. 8.0.4			Id: 10/11



Sheet: /UI_ENC/ENCODER_0/
File: UI_ENC_FILTER.kicad_sch

Title:

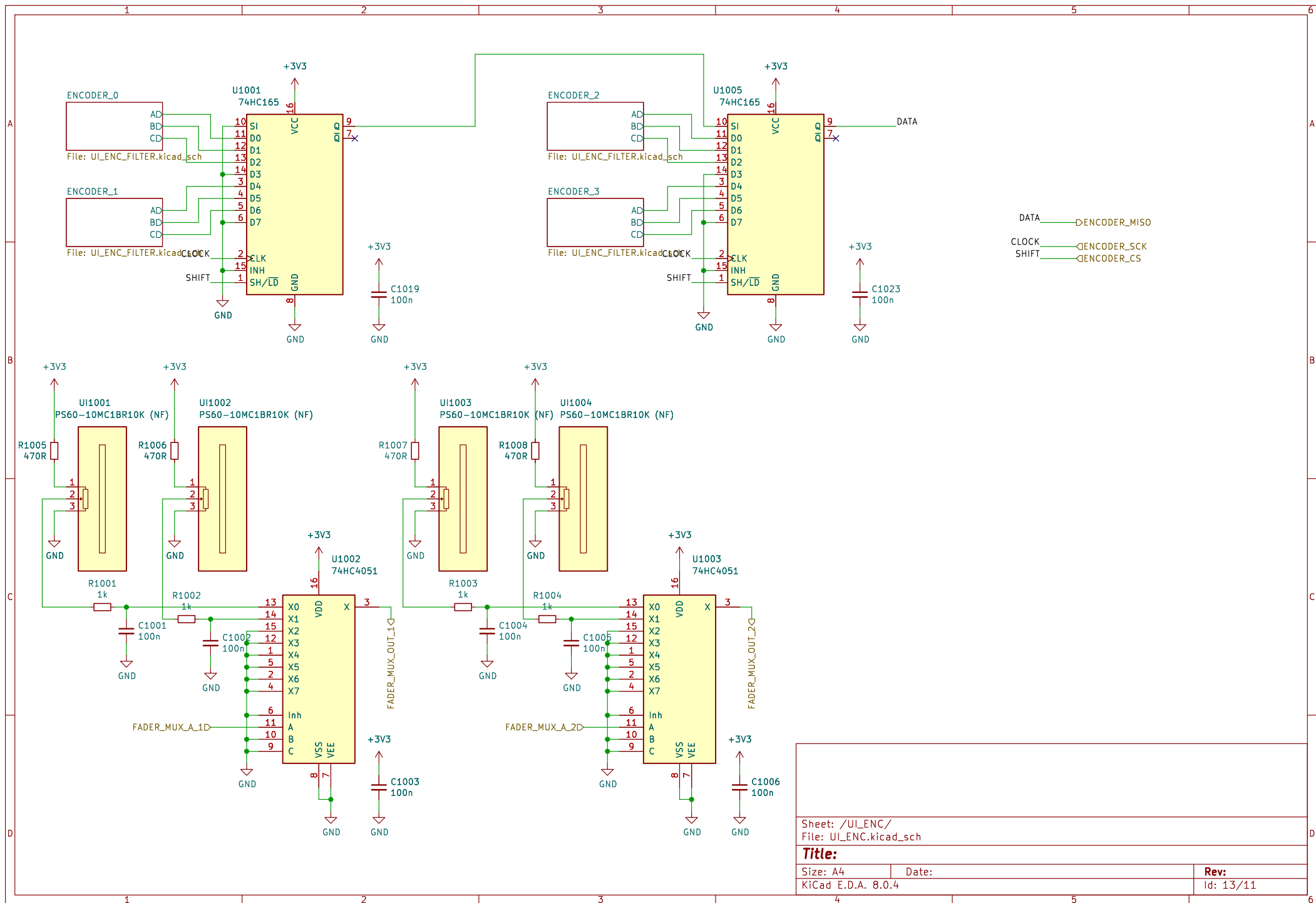
Size: A4

Date:

Rev:

KiCad E.D.A. 8.0.4

Id: 11/11





Sheet: /UI_ENC/ENCODER_3/
File: UI_ENC_FILTER.kicad_sch

Title:

Size: A4

Date:

Rev:

KiCad E.D.A. 8.0.4

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

Title:

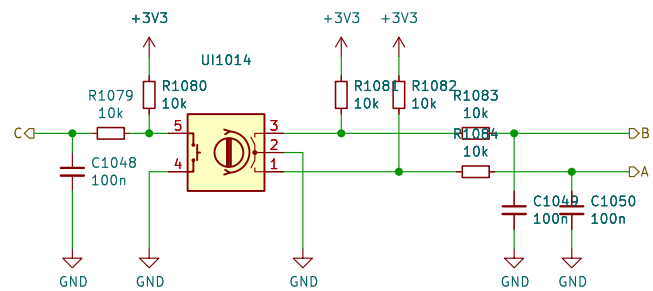
Size: A4

Date:

Rev:

KiCad E.D.A. 8.0.4

Id: 15/11



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

Title:

Size: A4

Date:

Rev:

KiCad E.D.A. 8.0.4

Id: 21/11