





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

Title:

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Date:

Rev:

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900



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500

GRID Connector
Bi-Directional Data
2x SYNC

Board Mounting Pattern



Sheet: /MCU/sheet5D85C9EA/ File: GRID.kicad_sch		
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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
A9B4
A4B9

CC1
A5
B5

CC2
A7
B7

D-
B7

D+
A6
B6

SBU1
A8
BB

SBU2
BB

SHIELD
S1
S2
S3
S4

GND
A1B12
A12B1

PWR_FLAG

GND

R601
5k1

R602
5k1

C603
4n7

R603
1M

GND

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

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

Title:

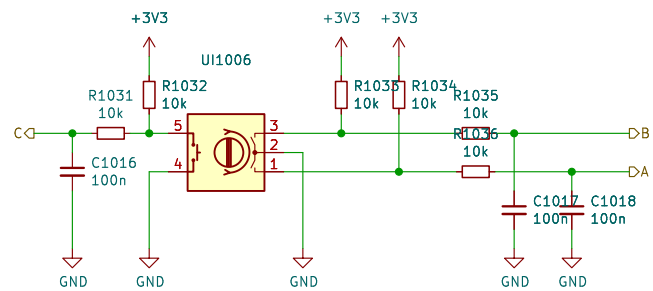
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File: UI_ENC_FILTER.kicad_sch

Title:

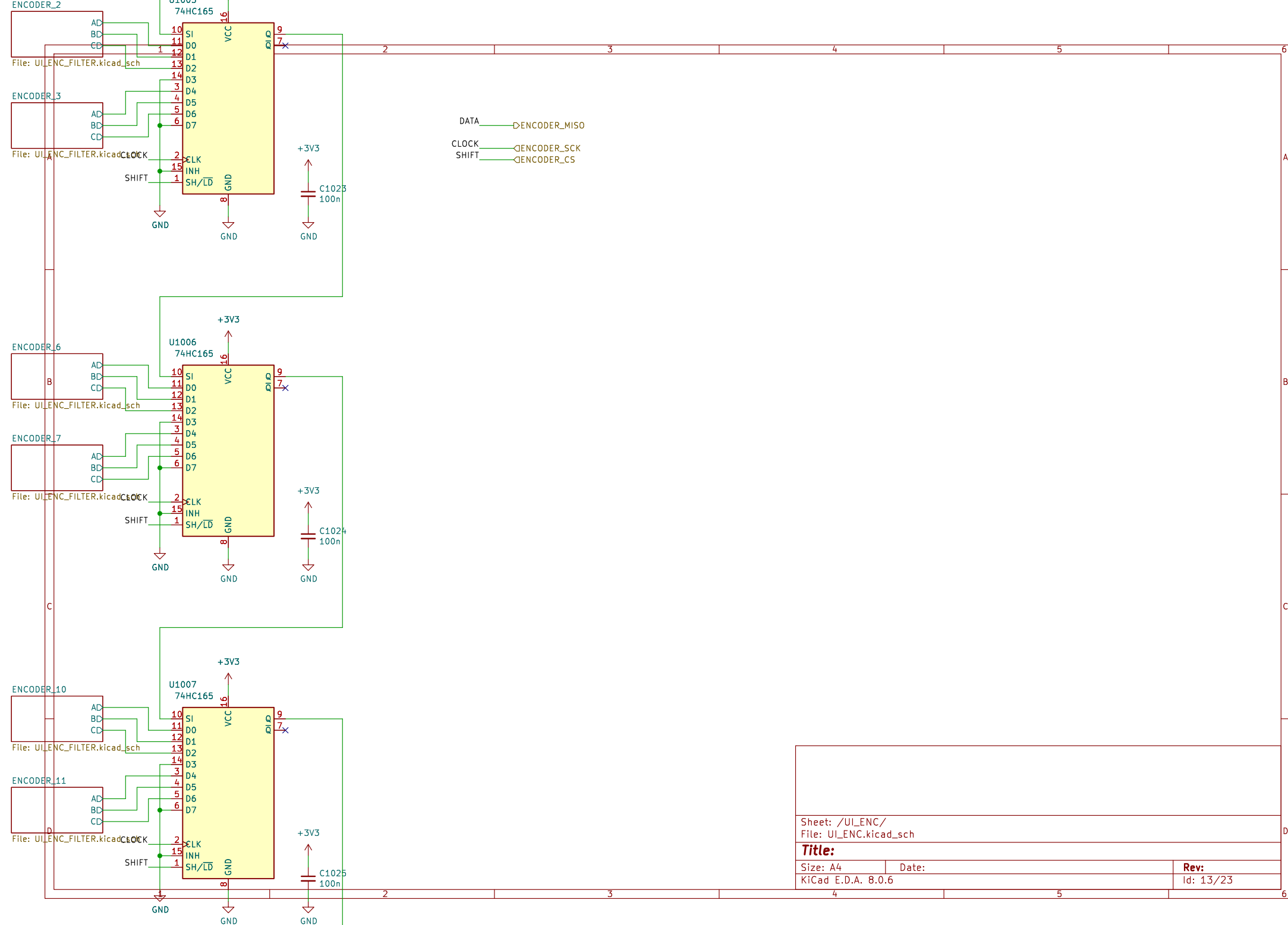
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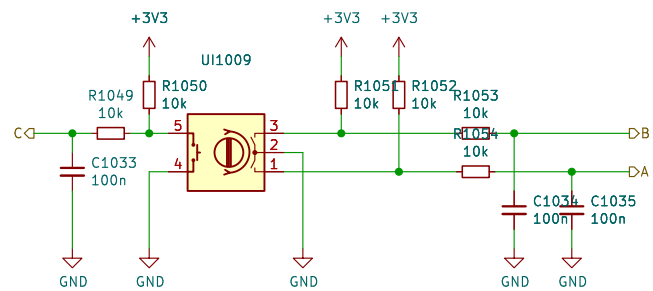
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Sheet: /UI_ENC/ENCODER_7/
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Sheet: /UI_ENC/ENCODER_14/
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Sheet: /UI_ENC/ENCODER_13/
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Sheet: /UI_ENC/ENCODER_10/
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Sheet: /UI_ENC/ENCODER_2/
File: UI_ENC_FILTER.kicad_sch

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Sheet: /UI_ENC/ENCODER_4/
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Sheet: /UI_ENC/ENCODER_9/
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Id: 23/23