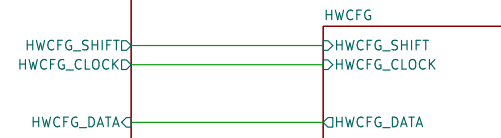
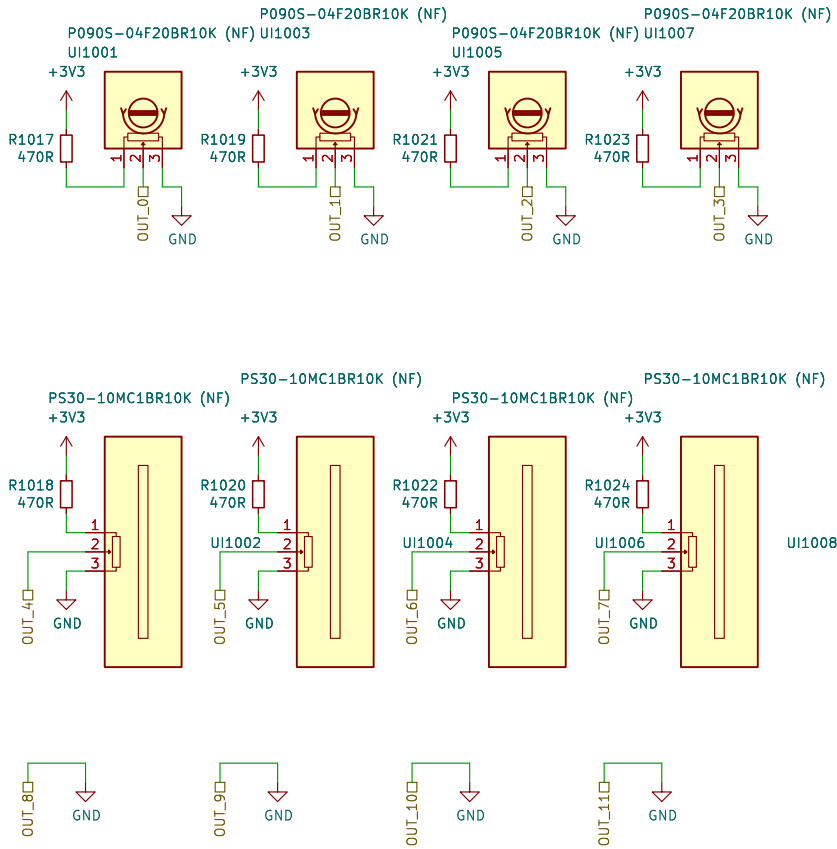


**Common Sheets:**  
500 GRID  
600 USB\_POWER  
700 MCU

**Module Specific:**  
800 HWCFG  
900 LED  
1000 UI



1000



Sheet: /UI\_POT/  
File: UI\_POT.kicad\_sch

**Title:**

Size: A4

Date:

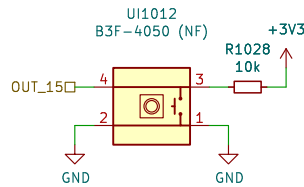
KiCad E.D.A. 8.0.4

**Rev:**

Id: 2/10

1000

Simulation:  
<http://tinyurl.com/y229mt4>



Sheet: /UI_BUTTON/ File: UI_BUTTON.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.4	Id: 3/10	

# 900



Sheet: /UI\_LED/  
File: UI\_LED.kicad\_sch

**Title:**

Size: A4

Date:

KiCad E.D.A. 8.0.4

**Rev:**

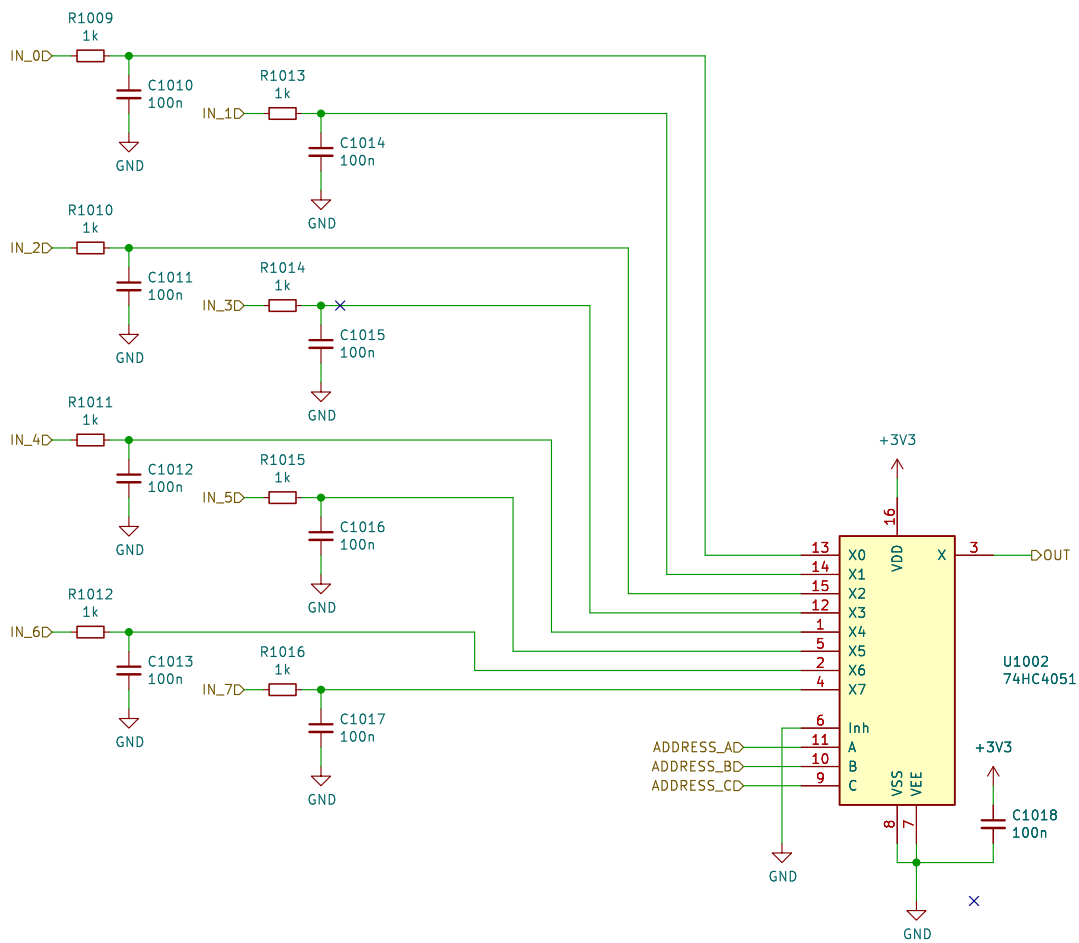
Id: 4/10

1000



Sheet: /Sheet5D7C8BFD/		
File: UI_MUX.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.4	Id: 5/10	

1000





# 500

GRID Connector  
Bi-Directional Data  
2x SYNC

Board Mounting Pattern



Sheet: /MCU/sheet5D85C9EA/ File: GRID.kicad_sch		
<b>Title:</b>		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.4		Id: 8/10



# 600

## ESD Diodes

ESD protection for all of the externally accessible nets.



## +3V3 LDO Regulators

Regulators for generating independent power rails for the microcontroller and the user interface.



Sheet: /MCU/Sheet60F06FE1/  
File: USB\_POWER.kicad\_sch

### Title:

Size: A4  
KiCad E.D.A. 8.0.4

Date:

Rev:

Id: 9/10

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16

10

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Revision Codes (D7–D4):

D

Id: 10/10