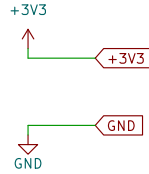
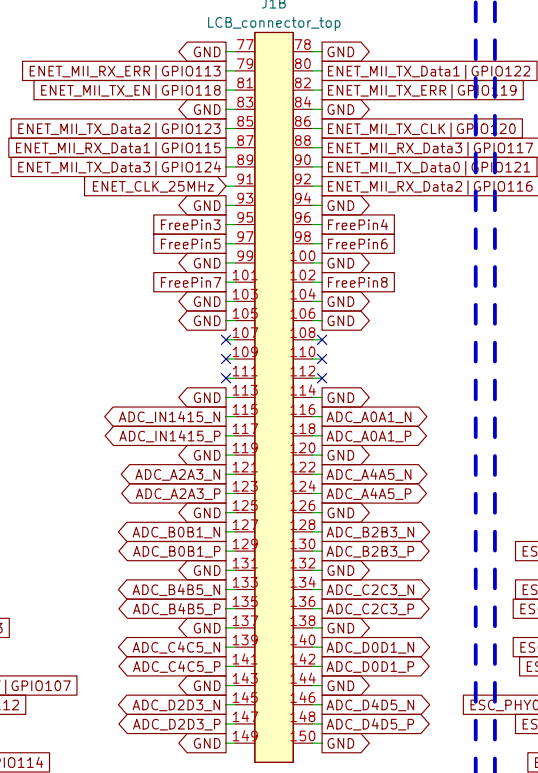
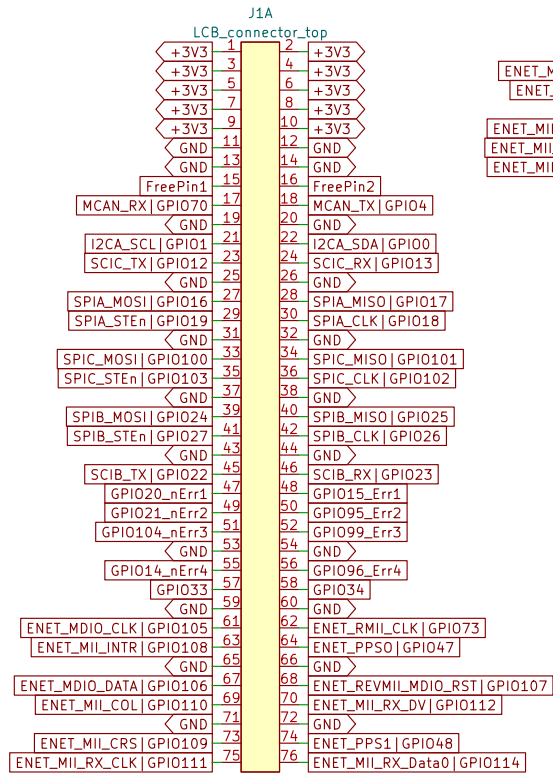




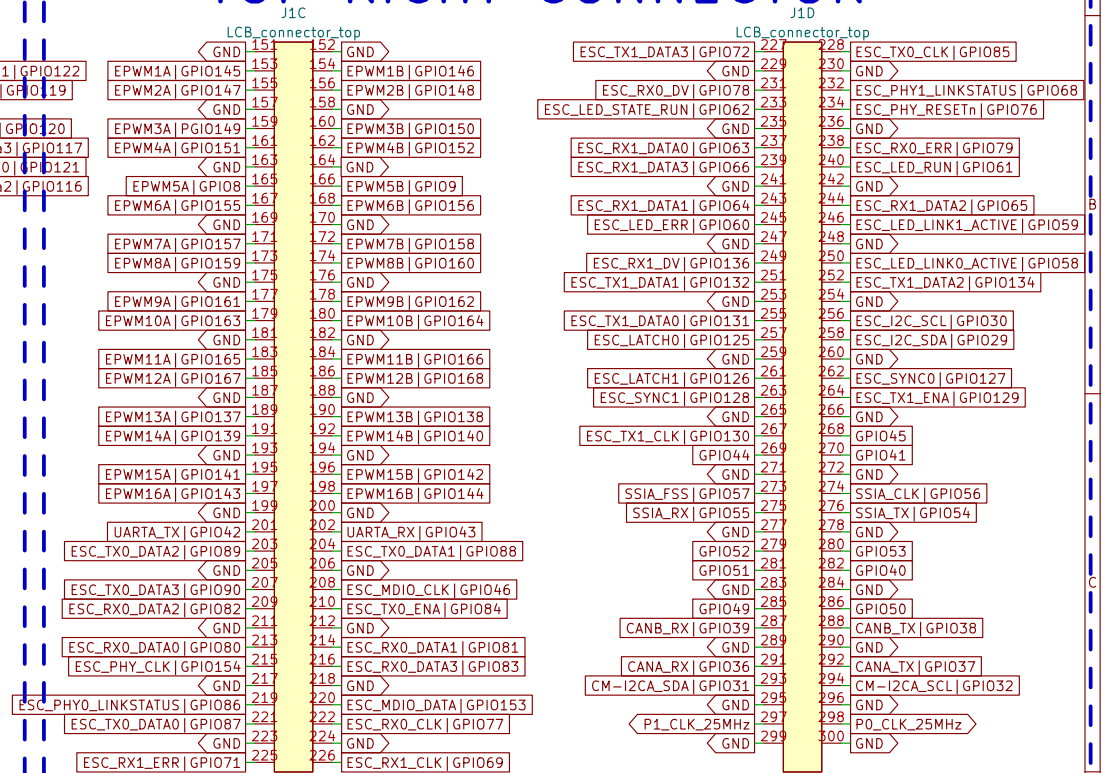
## Supply for shield boards



## TOP LEFT CONNECTOR



## TOP RIGHT CONNECTOR



PADERBORN UNIVERSITY DEPARTMENT OF POWER ELECTRONICS AND ELECTRICAL DRIVES

Sheet: /Connector\_Control\_Board/

File: Connector\_Control\_Board.kicad\_sch

**Title: LCB-CBD-001: Dock**

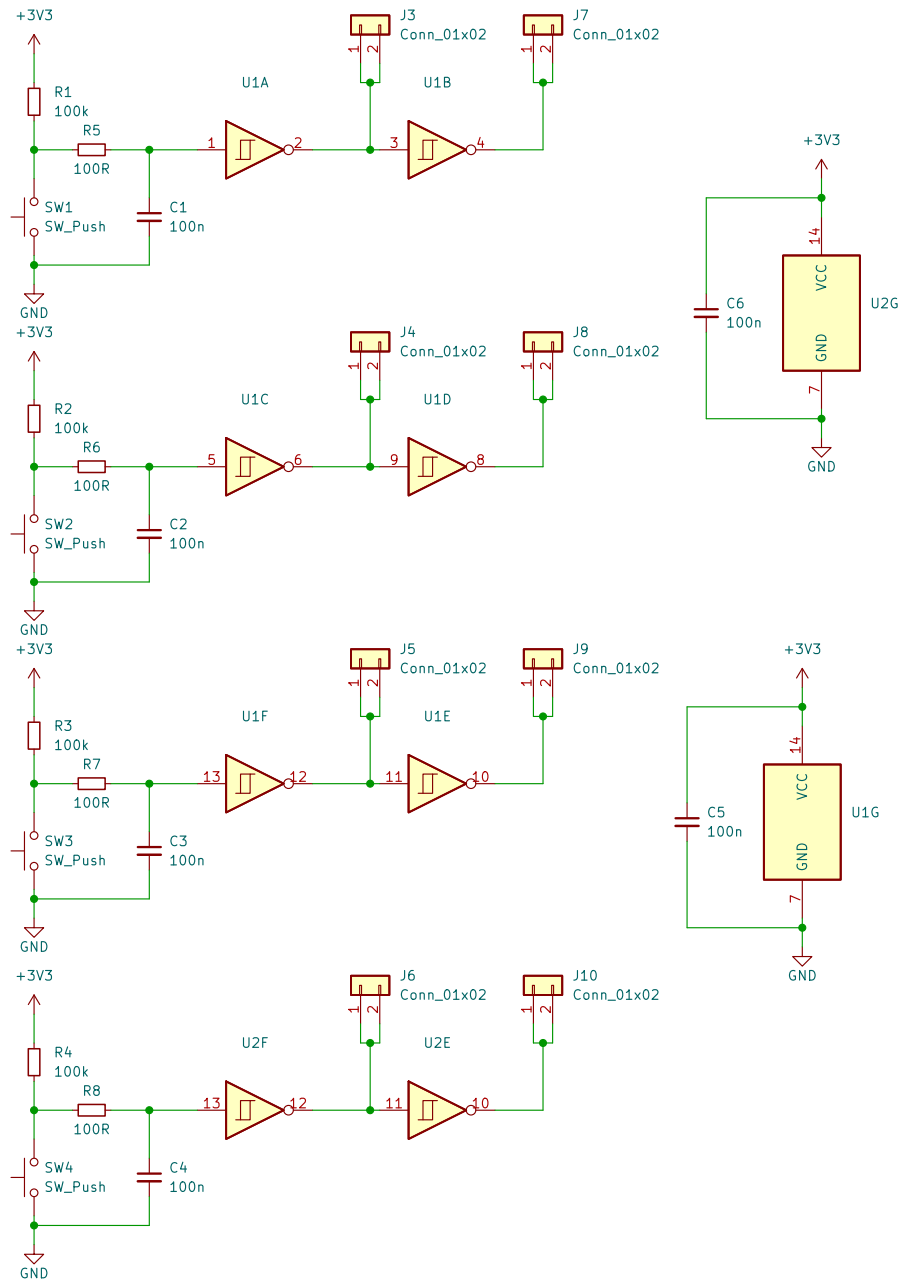
Size: A4 Date: 2022-08-12

KiCad E.D.A. kicad (6.0.11)

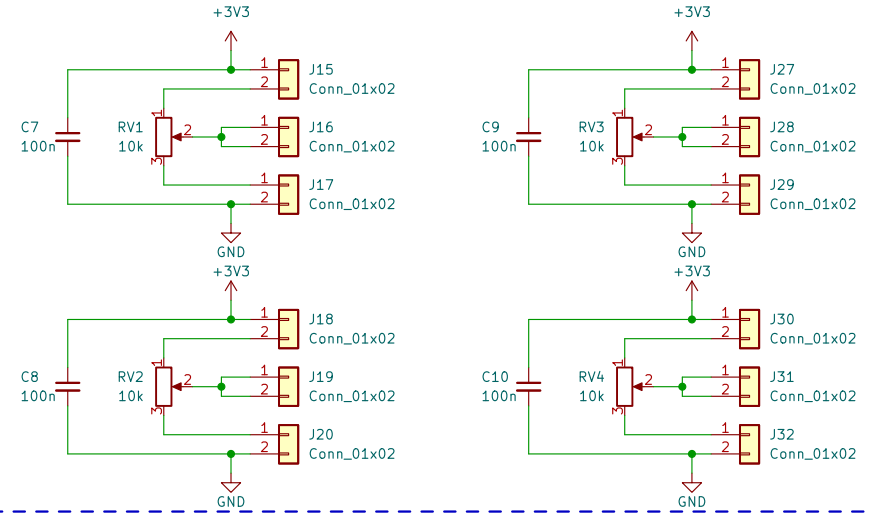
**Rev: 0.1**

Id: 2/6

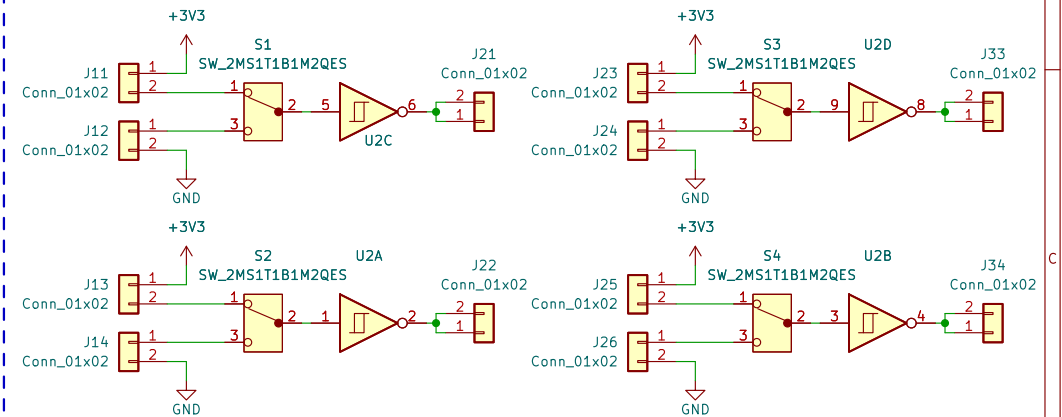
## Buttons



## Potentiometer



## Switches



PADERBORN UNIVERSITY DEPARTMENT OF POWER ELECTRONICS AND ELECTRICAL DRIVES

Sheet: /IO/

File: IO.kicad\_sch

**Title: LCB-CBD-001: Dock**

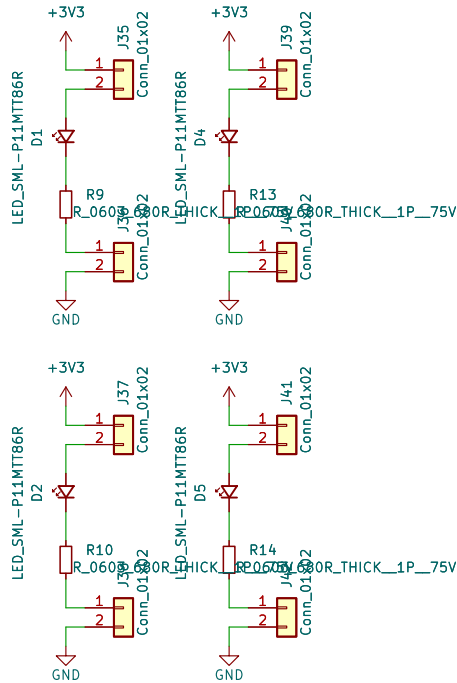
Size: A4 Date: 2022-08-12

KiCad E.D.A. kicad (6.0.11)

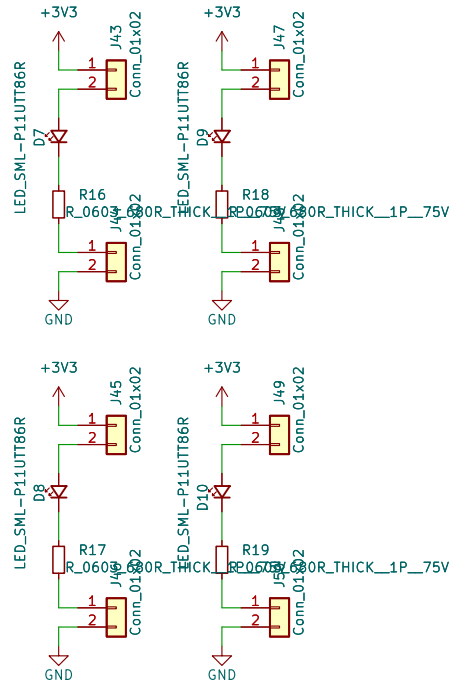
Rev: 0.1

Id: 3/6

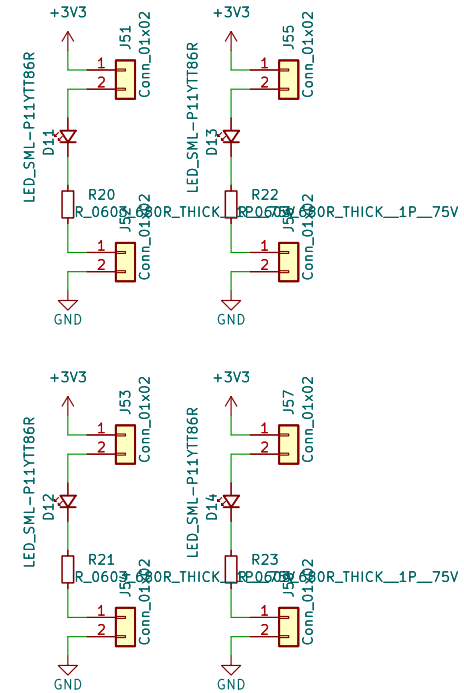
## Status LEDs Green



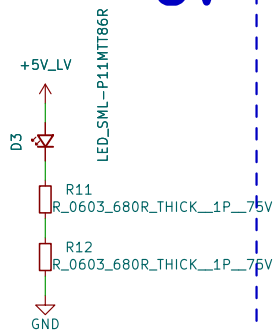
## Status LEDs Red



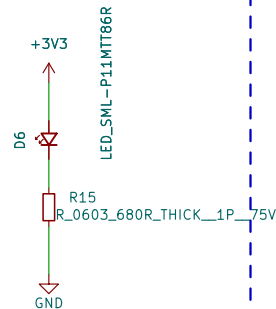
## Status LEDs Yellow



## Power LED 5V



## Power LED 3V3



PADERBORN UNIVERSITY DEPARTMENT OF POWER ELECTRONICS AND ELECTRICAL DRIVES

Sheet: /Switch\_Button\_LED/

File: Switch\_Button\_LED.kicad\_sch

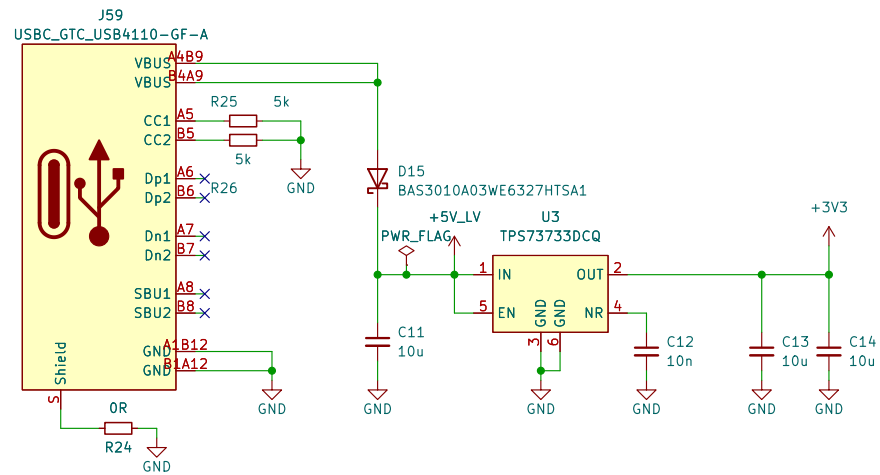
**Title: LCB-CBD-001: Dock**

Size: A4 Date: 2022-08-12

KiCad E.D.A. kicad (6.0.11)

**Rev: 0.1**

Id: 4/6



PADERBORN UNIVERSITY DEPARTMENT OF POWER ELECTRONICS AND ELECTRICAL DRIVES

Sheet: /Power\_Supply/  
File: Power\_Supply.kicad\_sch

**Title: LCB-CBD-001: Dock**

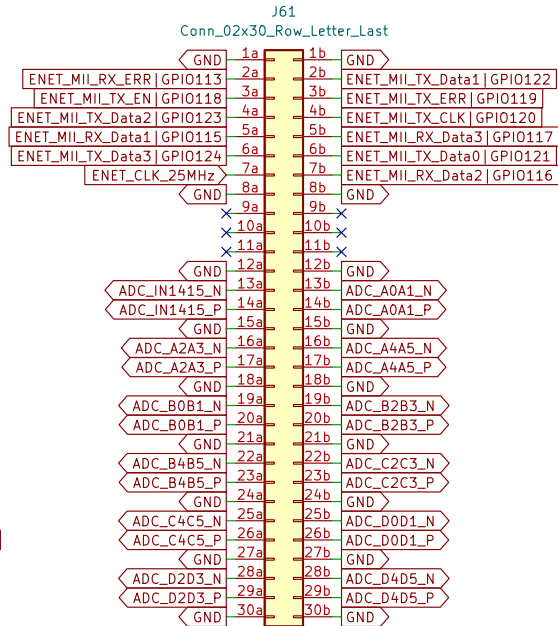
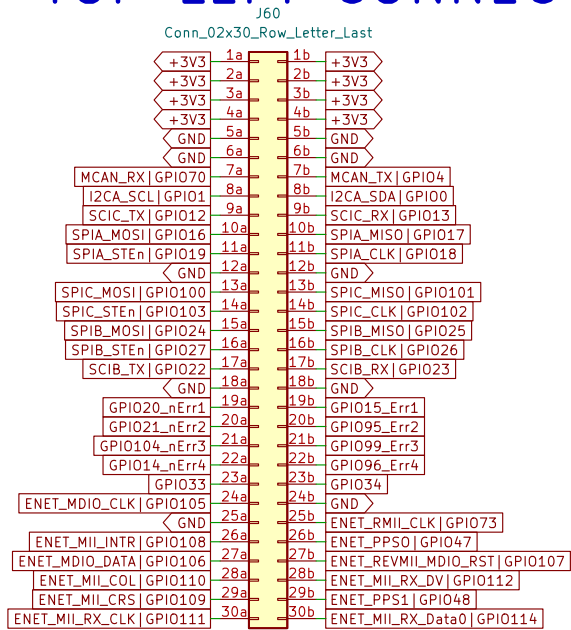
Size: A4 Date: 2022-08-12

KiCad E.D.A. kicad (6.0.11)

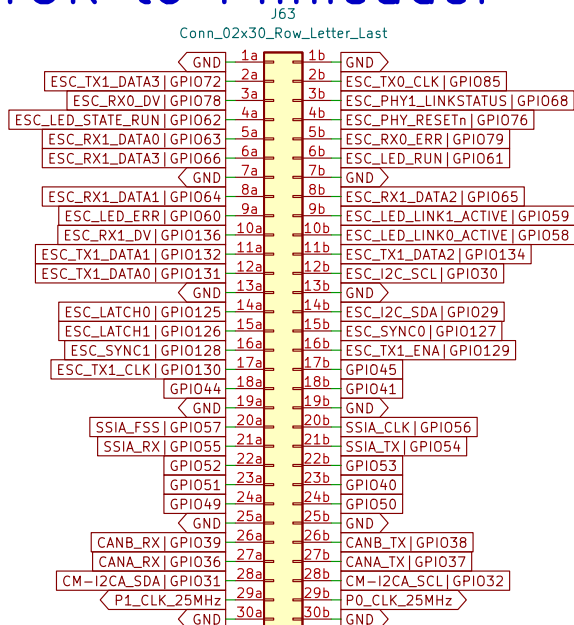
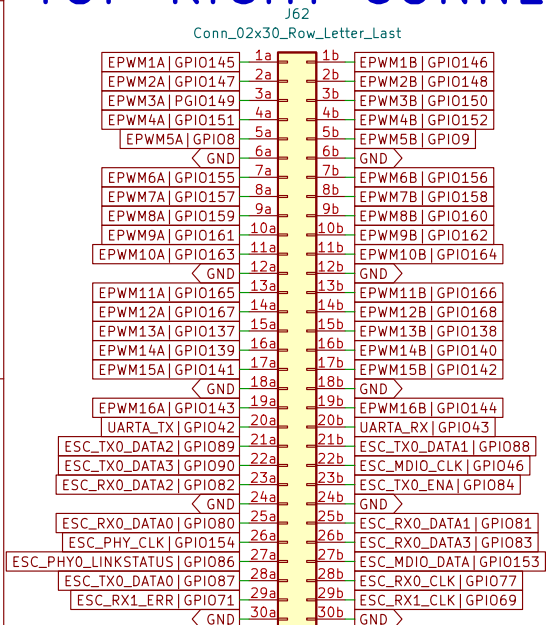
Rev: 0.1

Id: 5/6

# TOP LEFT CONNECTOR to Pinheader



# TOP RIGHT CONNECTOR to Pinheader



PADERBORN UNIVERSITY DEPARTMENT OF POWER ELECTRONICS AND ELECTRICAL DRIVES

Sheet: /Pinheaders/

File: Pinheaders.kicad\_sch

**Title: LCB-CBD-001: Dock**

Size: A4 Date: 2022-08-12

KiCad E.D.A. kicad (6.0.11)

Rev: 0.1

Id: 6/6