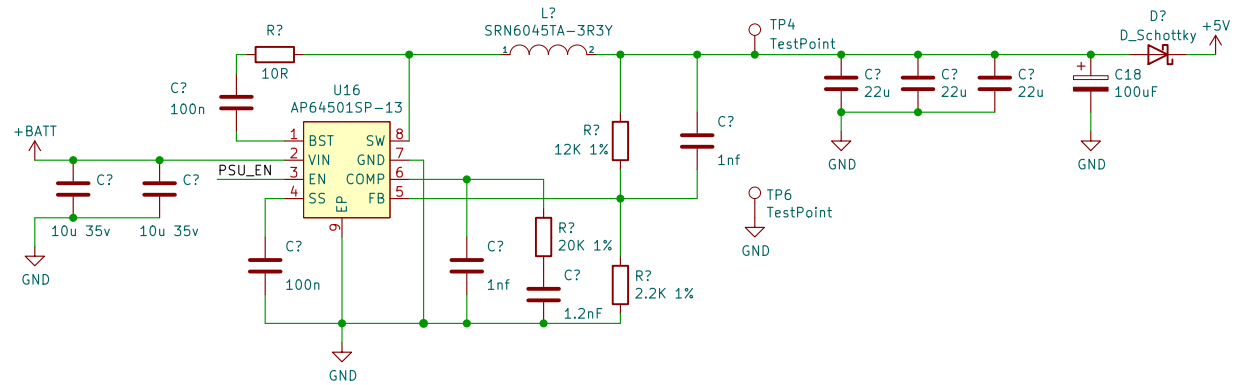


Id: 4/8

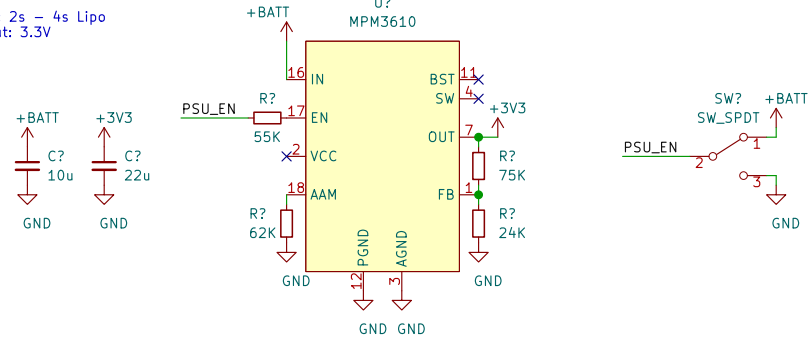
### 5V Power Regulator

Input: 2s - 4s LiPo  
Output: 5V



### 3.3V Power Regulator

Input: 2s - 4s Lipo  
Output: 3.3V



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Sheet: /PSU/

File: FlySensei\_Stack\_RPi\_PSUs.kicad\_sch

**Title: FlySensei RPi Stack - PSU**

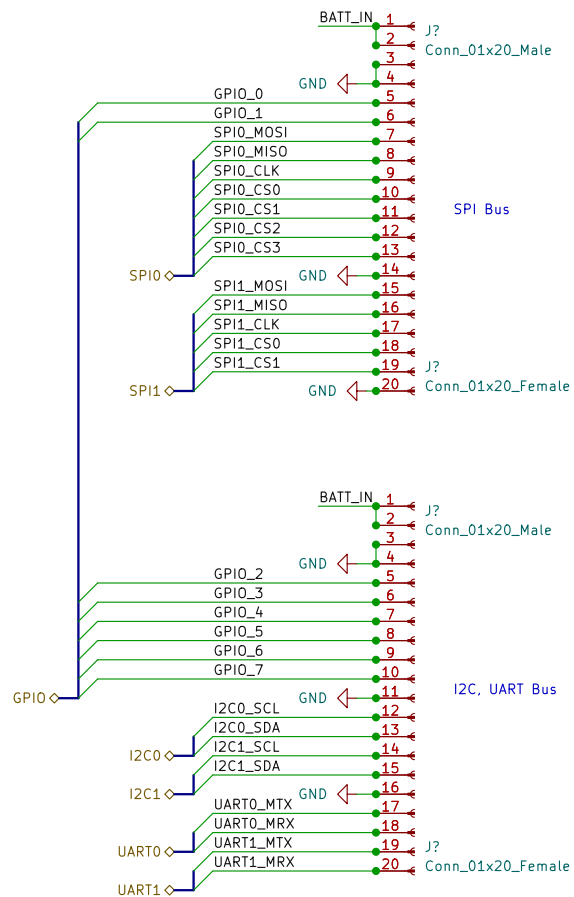
Size: USLetter Date: 2021-05-25

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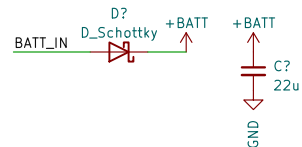
Rev: 0.1

Id: 5/8

# Stacking Connectors



## Battery Reverse Protection



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Sheet: /Stacking Connectors/  
File: SenseiPIStack\_StackingConn.kicad\_sch

**Title: FlySensei Stacking Connectors**

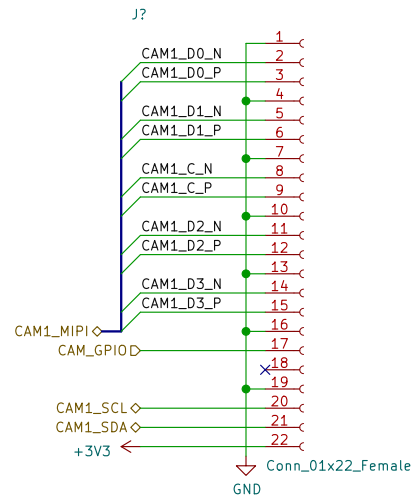
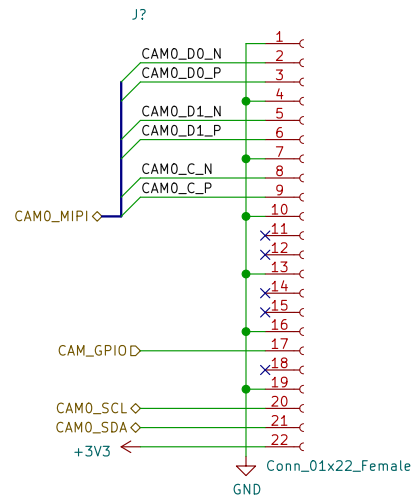
Size: USLetter Date: 2021-05-24

KiCad E.D.A. kicad (5.99.0-10573-gc33b2cfa8d)

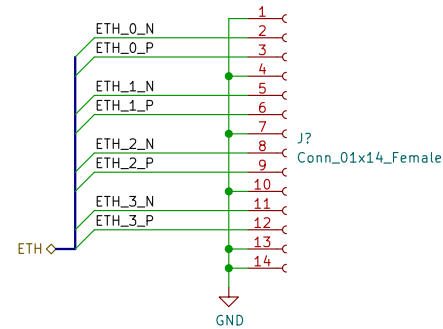
Rev: 0.1

Id: 6/8

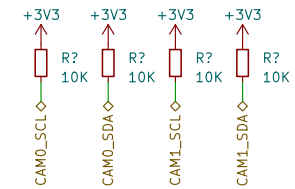
## Camera Connectors



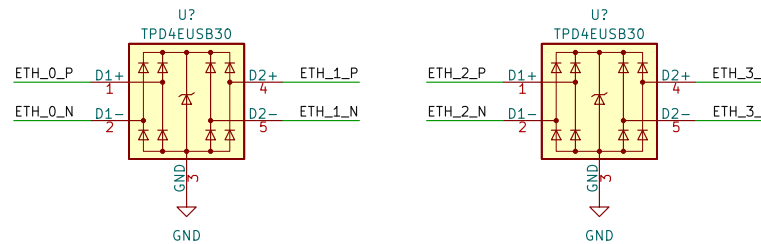
## Ethernet Connectors



## I2C Pullups



## Ethernet ESD Protection



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Sheet: /High Speed Interfaces/

File: FlySensei\_Stack\_RPi\_HSS\_Intr.kicad\_sch

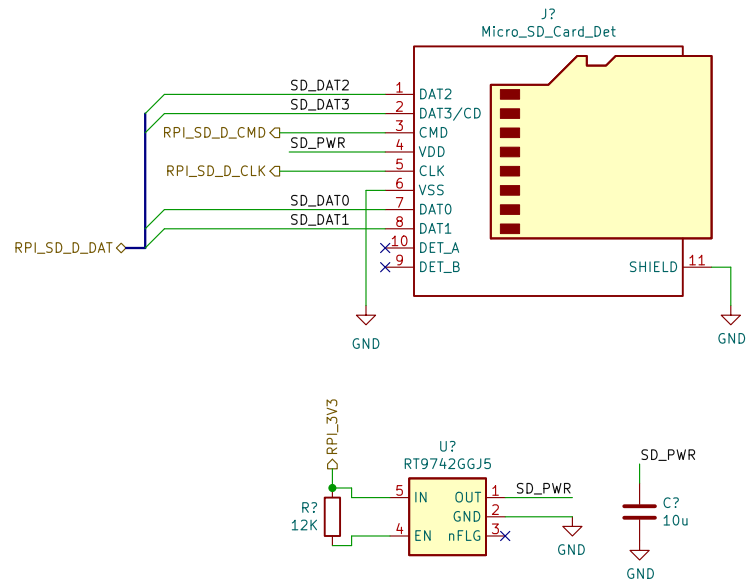
**Title: FlySensei RPi Stack – High Speed Connectors**

Size: USLetter Date: 2021-05-24

KiCad E.D.A. kicad (5.99.0-10573-gc33b2cfa8d)

Rev: 0.1

Id: 7/8



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Sheet: /SD Card/

File: FlySensei\_Stack\_RPi\_SDCard.kicad\_sch

**Title: FlySensei RPi Stack – SD Card**

Size: USLetter Date: 2021-05-24

KiCad E.D.A. kicad (5.99.0-10573-gc33b2cfa8d)

Rev: 0.1

Id: 8/8