

Sheet: ESP32

File: ESP32.sch

Sheet: POWER

File: POWER.sch

Sheet: USB

File: USB.sch

Sheet: SD

File: SD.sch

Sheet: ENDSTOP

File: ENDSTOP.sch

Sheet: MOSFET

File: MOSFET.sch

Sheet: P-AUX

File: P-AUX.sch

Sheet: DRIVE

File: DRIVE.sch

FID1  
Fiducial

FID2  
Fiducial

FID3  
Fiducial

M1

M2

M3  
M-HOLES

M4  
M-HOLES

M5  
M-HOLES

M6  
M-HOLES

Github : <https://github.com/makerbase-mks>

FaceBook : <https://www.facebook.com/Makerbase.mks/>

Sheet: /

File: MKS DLC32.sch

Title: **MKS DLC32**

Size: A4

Date: 2021-10-15

Rev: **V2.0\_001**

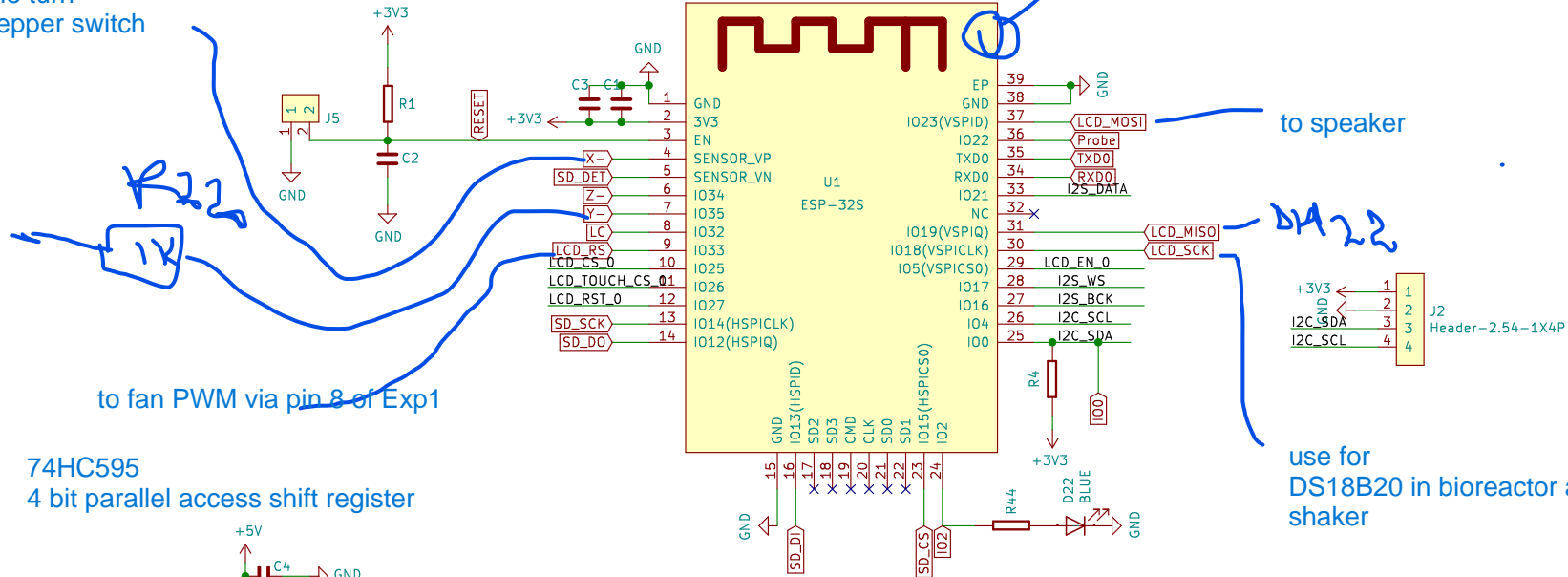
KiCad E.D.A. kicad (5.1.4)-1

Id: 1/9

looks like ESP32S3WROOM-1U

[https://www.espressif.com/sites/default/files/documentation/esp32-s3-wroom-1\\_wroom-1u\\_datasheet\\_en.pdf](https://www.espressif.com/sites/default/files/documentation/esp32-s3-wroom-1_wroom-1u_datasheet_en.pdf)

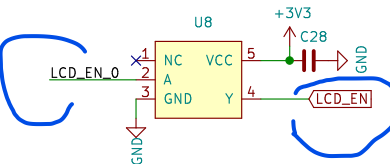
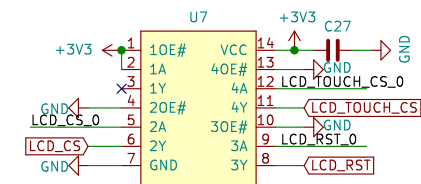
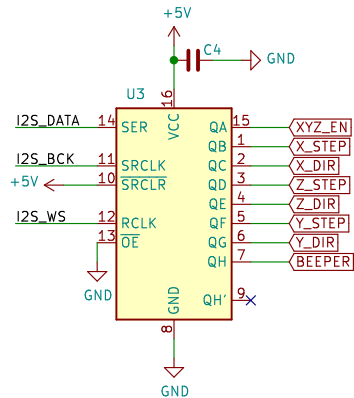
X axis limit used for the turn on stepper switch



to fan PWM via pin 8 of Exp1

74HC595

4 bit parallel access shift register



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**Makerbase**

Sheet: /ESP32/  
File: ESP32.sch

**Title: MKS DLC32**

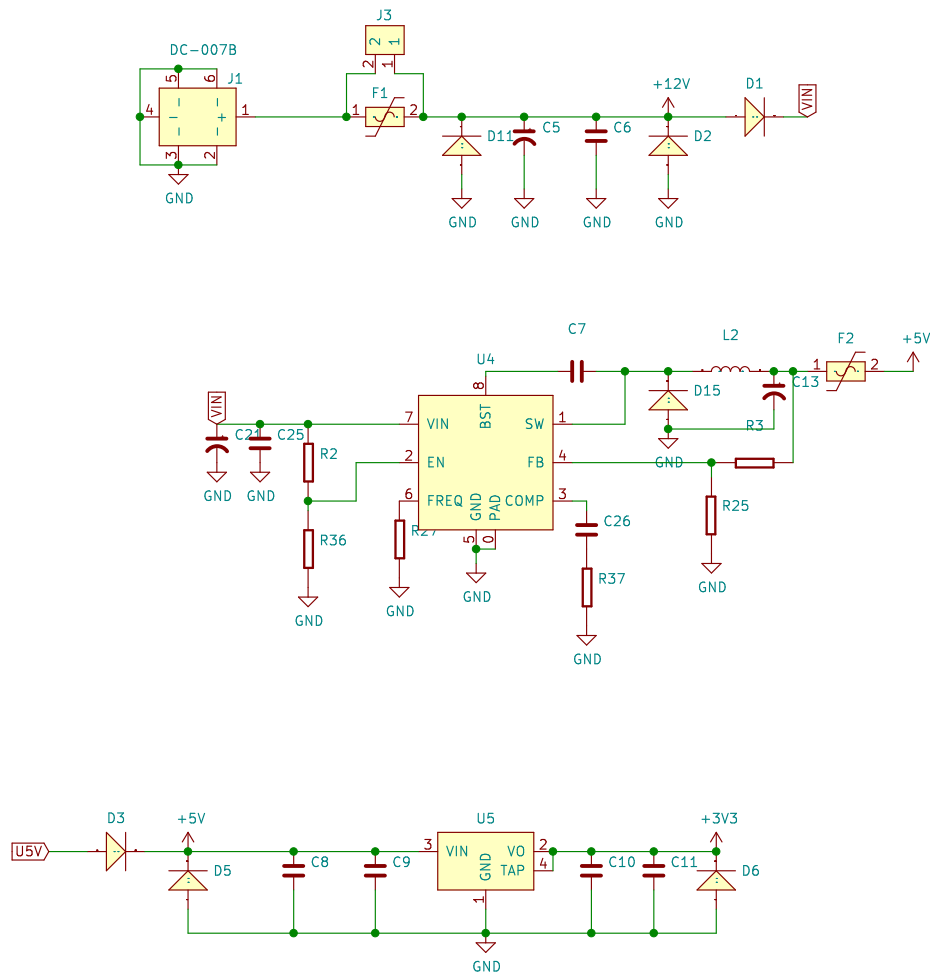
Size: A4 Date: 2021-10-15

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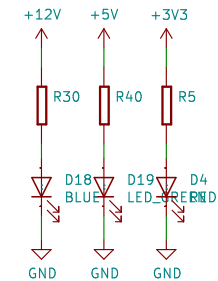
**Rev: V2.0\_001**

Id: 2/9



+12V ← 2 2 XH2.54-2P  
GND ← 1 1 J13

+12V ← 2 2 XH2.54-2P  
GND ← 1 1 J6



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**Makerbase**

Sheet: /POWER/  
File: POWER.sch

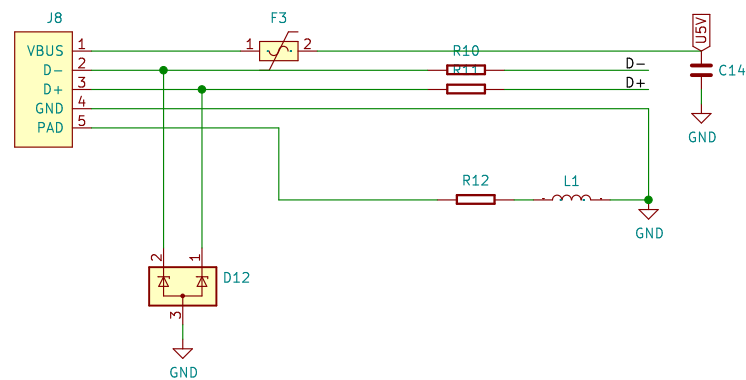
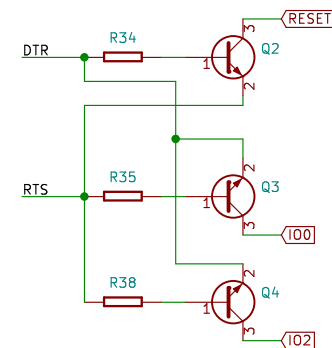
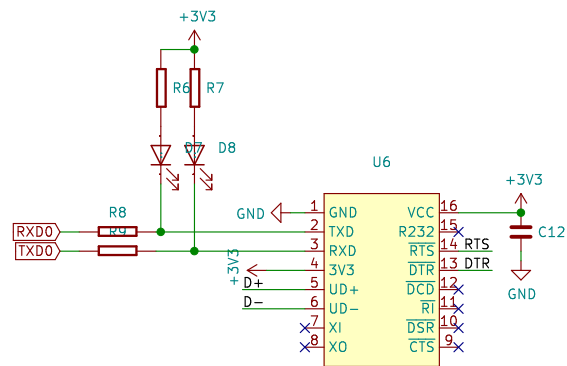
**Title: MKS DLC32**

Size: A4 Date: 2021-10-15

KiCad E.D.A. kicad (5.1.4)-1

**Rev: V2.0\_001**

Id: 3/9



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**Makerbase**

Sheet: /USB/  
 File: USB.sch

**Title: MKS DLC32**

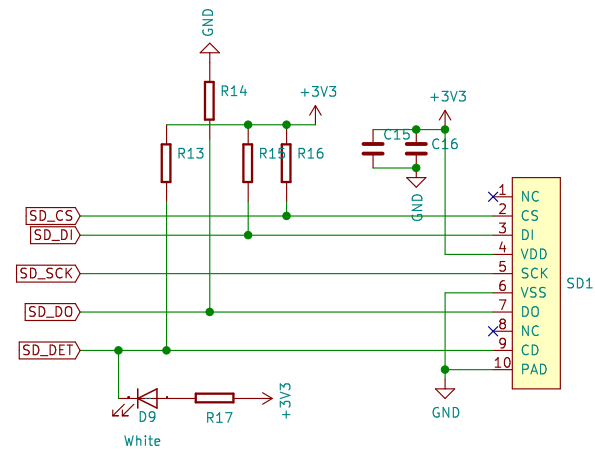
Size: A4 Date: 2021-10-15

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**Rev: V2.0\_001**

Id: 4/9

Memory card?



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**Makerbase**

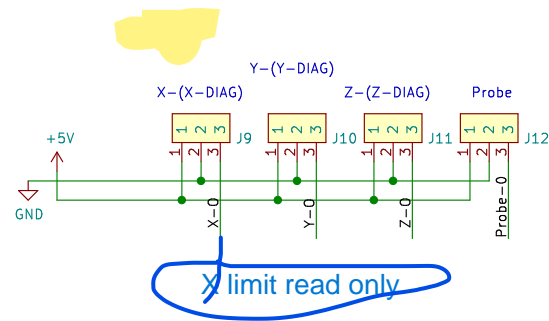


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 File: SD.sch

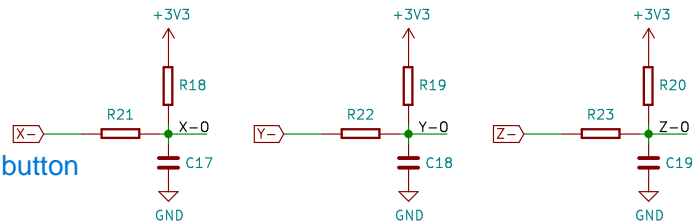
**Title: MKS DLC32**

Size: A4 Date: 2021-10-15  
 KiCad E.D.A. kicad (5.1.4)-1

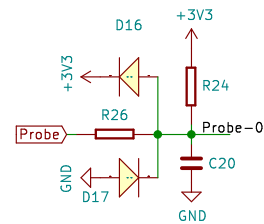
**Rev: V2.0\_001**  
 Id: 5/9



used for the  
stepper turn on/off button



used for  
STEPPER\_PWM\_STEP\_PIN



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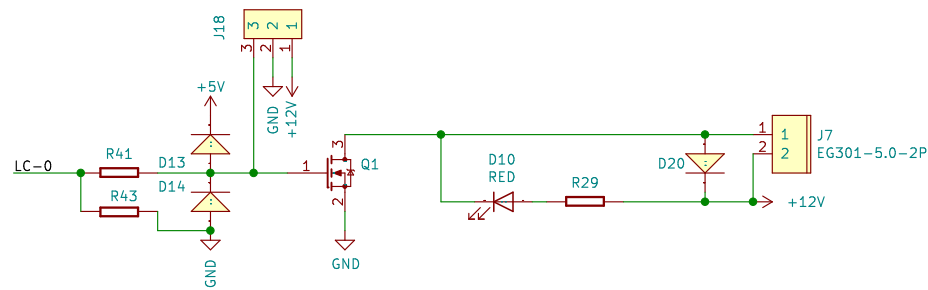
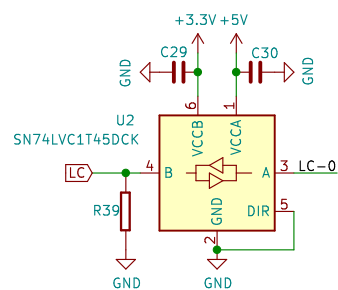
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File: ENDSTOP.sch

**Title: MKS DLC32**

Size: A4 Date: 2021-10-15  
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**Rev: V2.0\_001**  
Id: 6/9

POWER??



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**Makerbase**

**Makerbase**

Sheet: /MOSFET/

File: MOSFET.sch

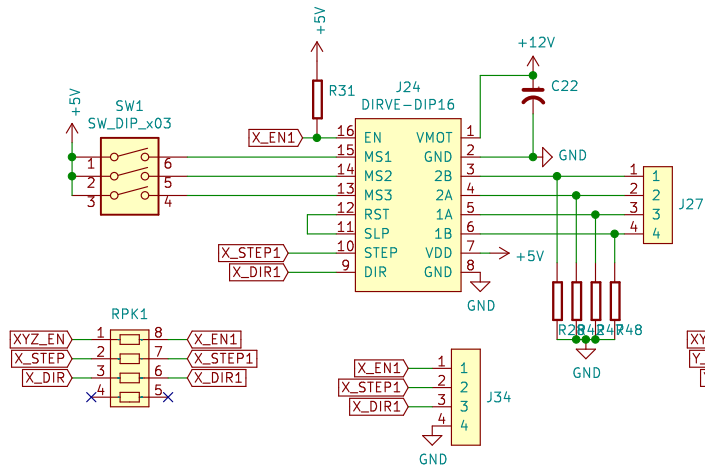
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Size: A4 Date: 2021-10-15

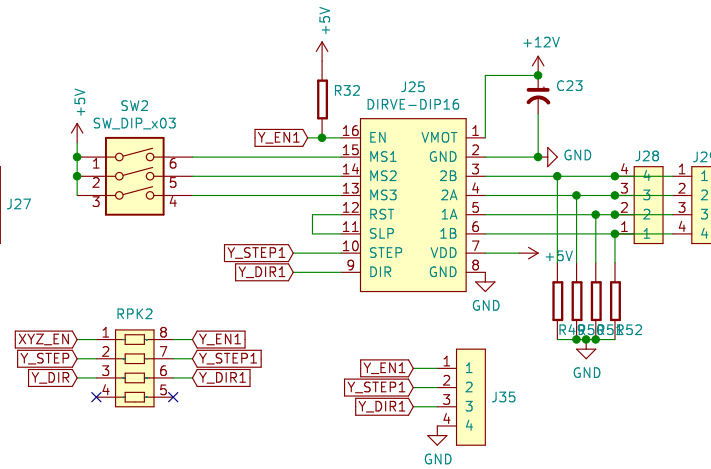
KiCad E.D.A. kicad (5.1.4)-1

**Rev: V2.0\_001**

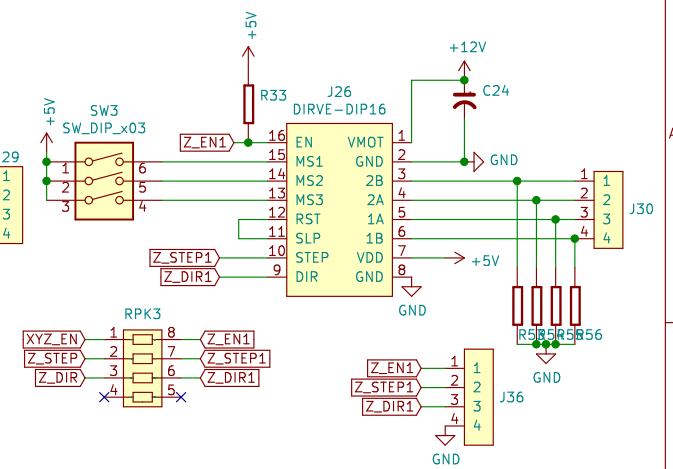
Id: 7/9



**Motor X**



**Motor Y**



**Motor Z**

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**Makerbase**

Sheet: /DRIVE/  
File: DRIVE.sch

**Title: MKS DLC32**

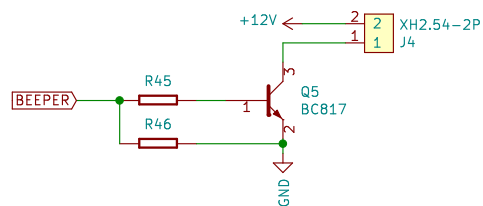
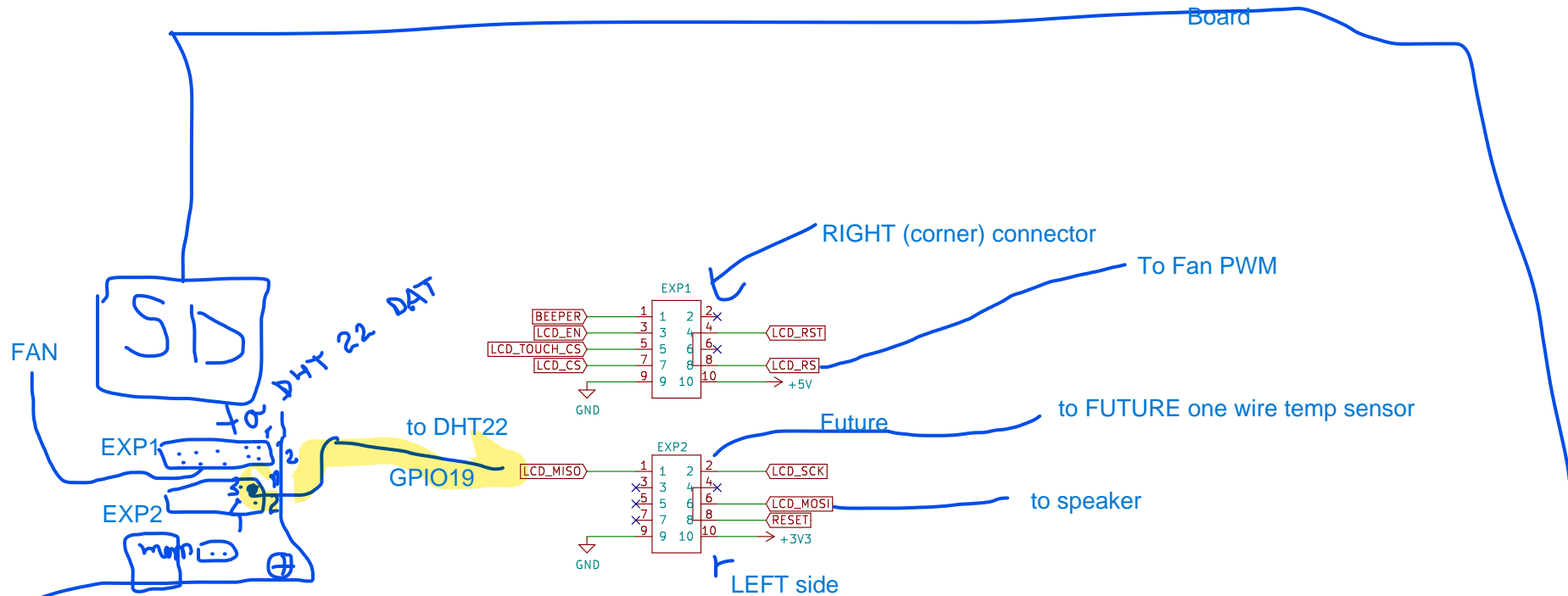
Size: A4 Date: 2021-10-15

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**Rev: V2.0\_001**

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Sheet: /P-AUX/  
 File: P-AUX.sch

**Title: MKS DLC32**

Size: A4 Date: 2021-10-15  
 KiCad E.D.A. kicad (5.1.4)-1

**Rev: V2.0\_001**  
 Id: 9/9