

1

2

3

4

5

6

Sheet: ESP32

Sheet: POWER

Sheet: DRIVE

A

A

B

B

C

C

D

D

File: ESP32.sch

Sheet: P-AUX

File: P-AUX.sch

Sheet: ENDSTOP

Sheet: MOSFET

File: MOSFET.sch

Sheet: USB

Sheet: SD

File: SD.sch

Sheet: POWER

File: POWER.sch

File: DRIVE.sch

FID1 FID2 FID3
Fiducial Fiducial Fiducial

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

File: MKS DLC32.sch

Title: MKS DLC32

Size: A4 Date: 2021-10-15

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

**Makerbase****Rev: V2.0_001**

Id: 1/9

1

2

3

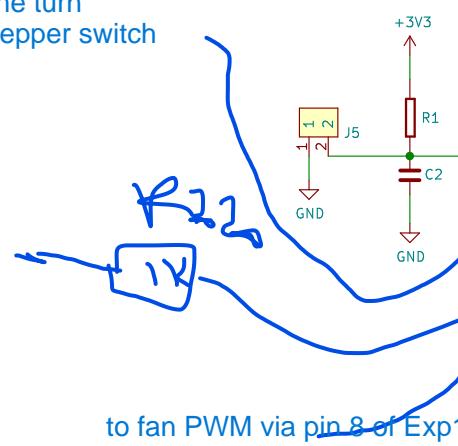
4

5

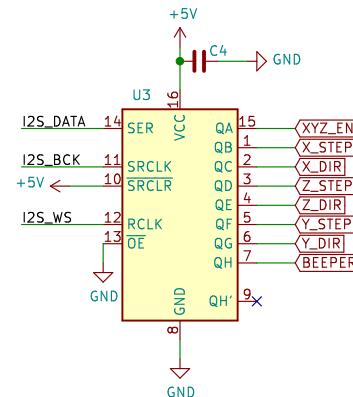
6

1 2 3 4 5 6

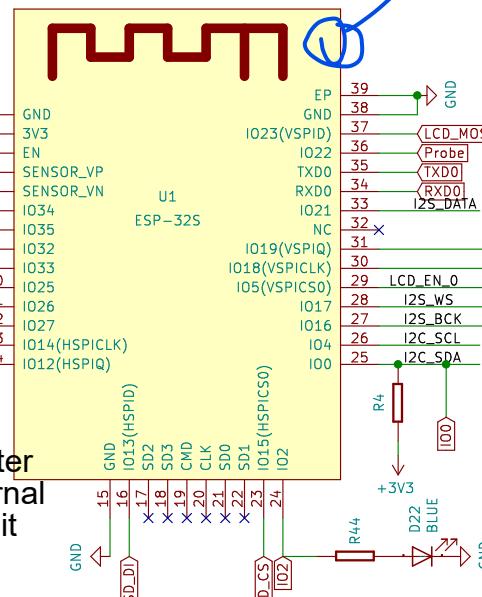
X axis limit
used
for the turn
on stepper switch



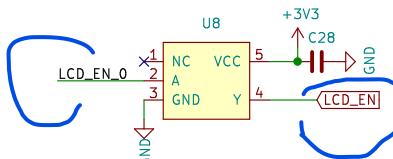
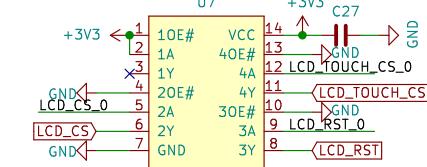
74HC595
4 bit parallel access shift register



looks like ESP32S3WROOM-1U
https://www.espressif.com/sites/default/files/documentation/esp32-s3-wroom-1_wroom-1u_datasheet_en.pdf

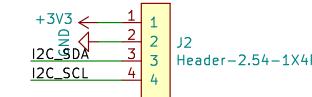


maybe heater
using external
power circuit



to speaker

D4 22



use for
DS18B20 in bioreactor and for speaker in Orbital
shaker

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Sheet: /ESP32/
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Size: A4 Date: 2021-10-15

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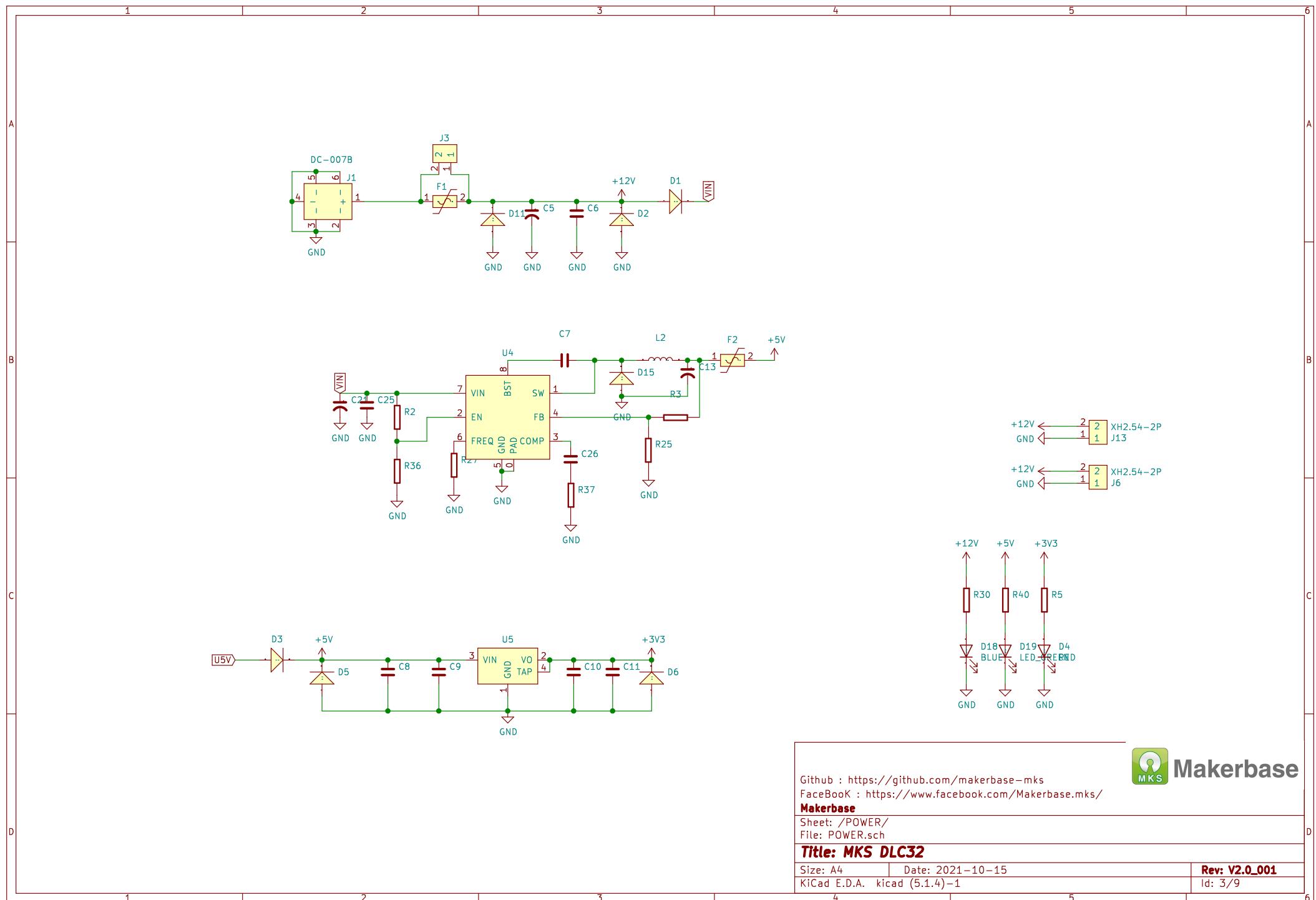


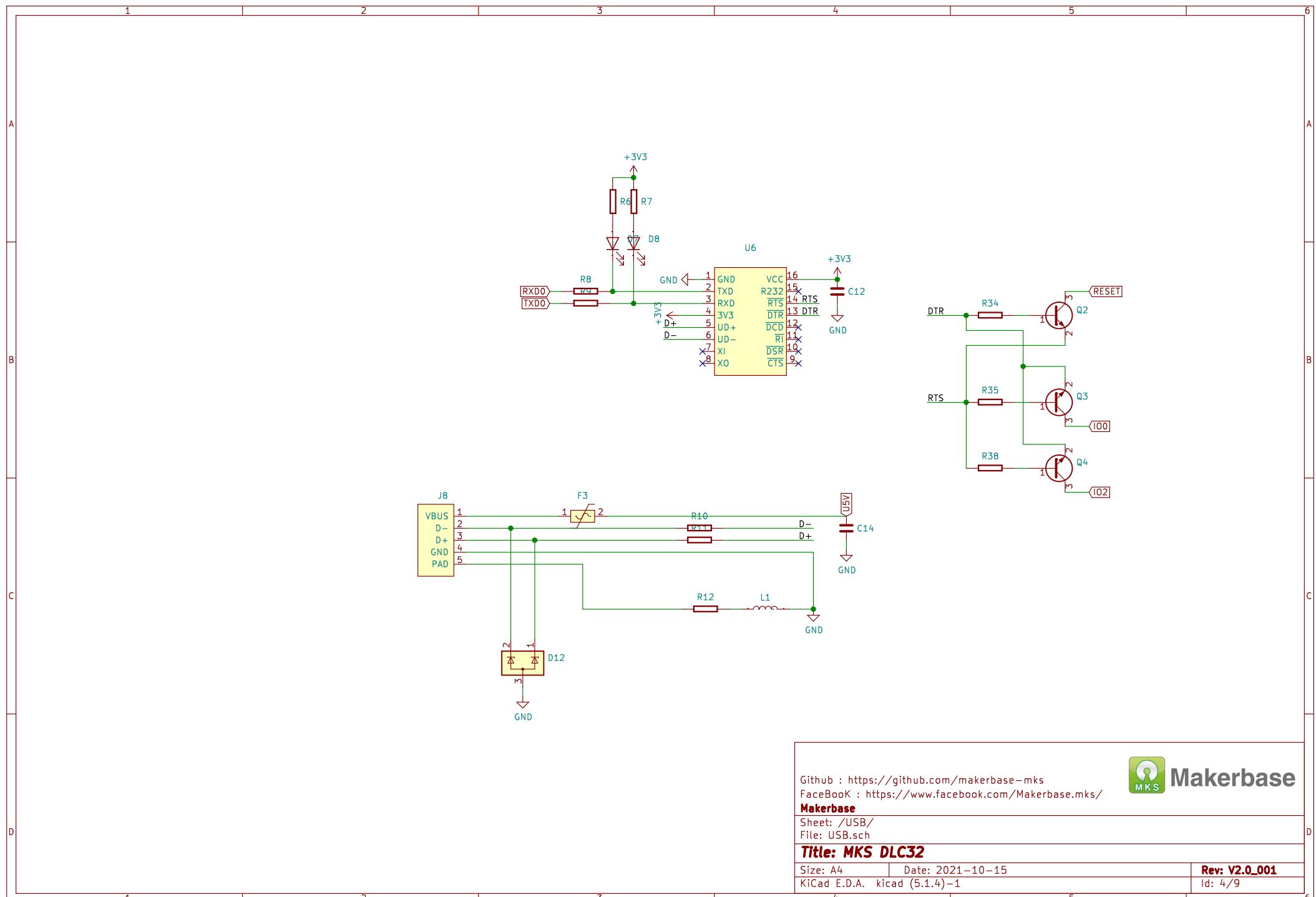
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Rev: V2.0_001

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1 2 3 4 5 6





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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

A

A

B

B

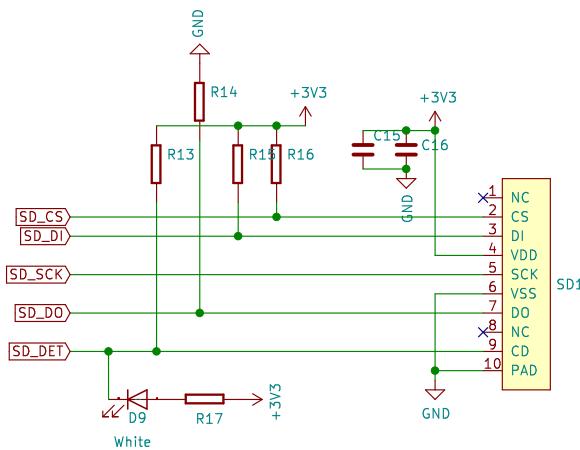
C

C

D

D

Memory card?



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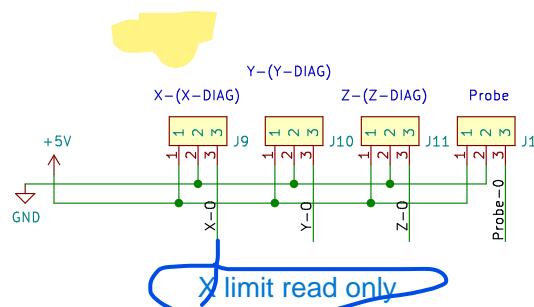
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 File: SD.sch

Title: MKS DLC32

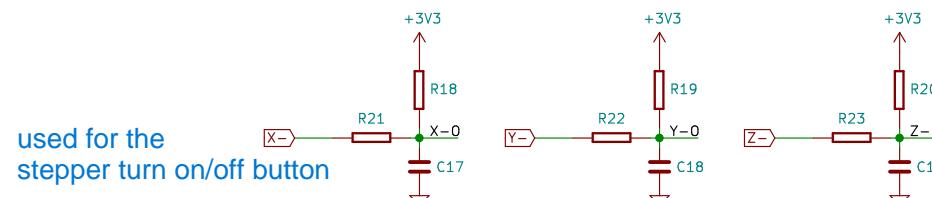
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Rev: V2.0_001
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A

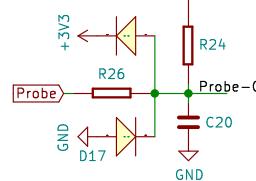


B



C

used for
STEPPER_PWM_STEP_PIN



D

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Sheet: /ENDSTOP/
File: ENDSTOP.sch

Title: MKS DLC32

Size: A4 Date: 2021-10-15
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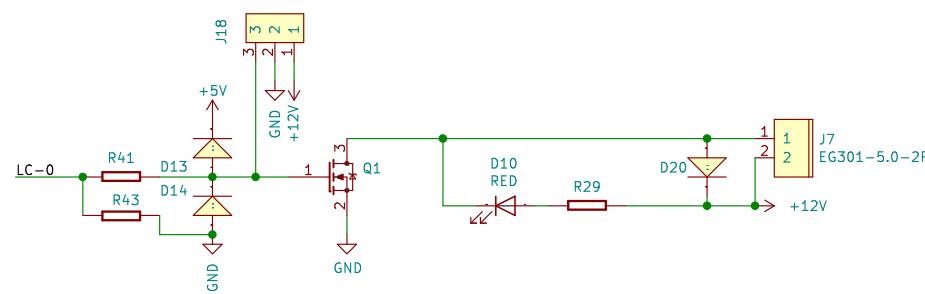
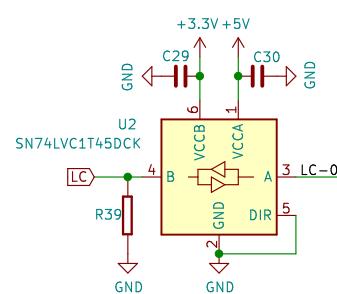
Id: 6/9

1 2 3 4 5 6

A

A

POWER??



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Sheet: /MOSFET/
File: MOSFET.sch

Title: MKS DLC32

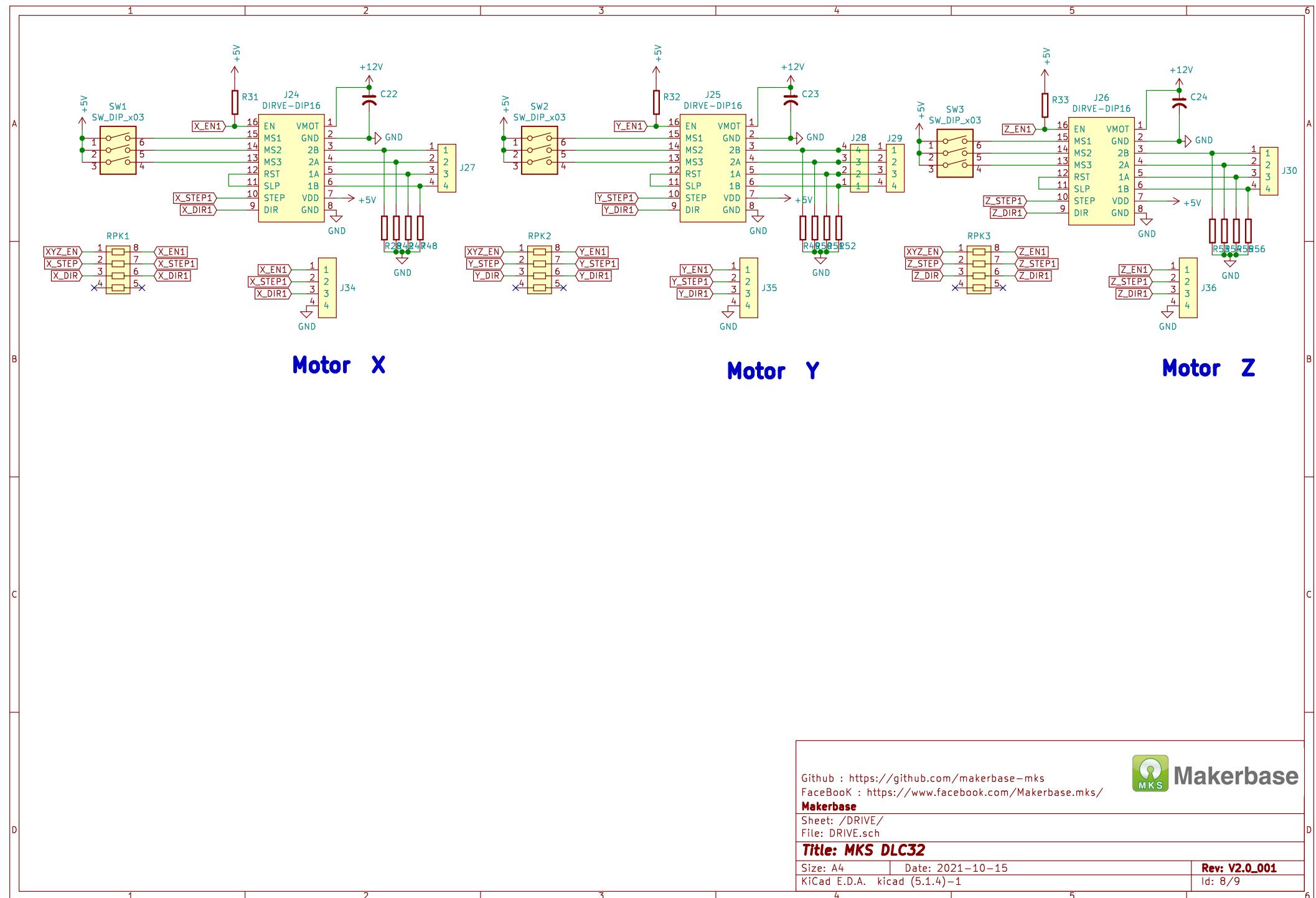
Size: A4 Date: 2021-10-15
KiCad E.D.A. kicad (5.1.4)-1

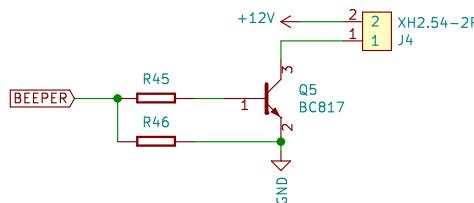
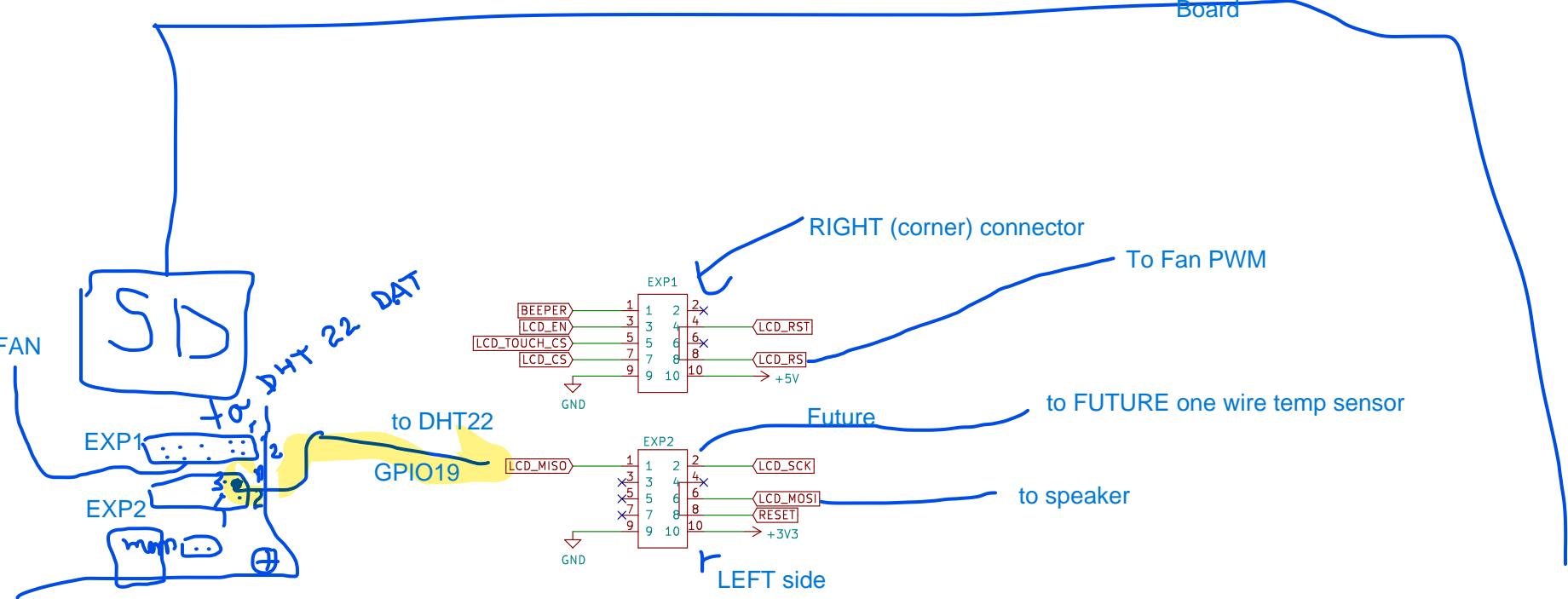


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1 2 3 4 5 6





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