



Sheet: Motor X  
X\_END >> EN    MIS0 >> MISO  
X\_STEP >> STEP    MOSI << MOSI  
X\_DIR >> DIR    SCK << SCK  
CS << X\_CS\_UART  
File: motor.sch

Sheet: Motor AUX  
A\_END >> EN    MIS0 >> MISO  
A\_STEP >> STEP    MOSI << MOSI  
A\_DIR >> DIR    SCK << SCK  
CS\_UART << A\_CS\_UART  
File: dual\_motors.sch

Sheet: Motor Z  
Z\_END >> EN    MIS0 >> MISO  
Z\_STEP >> STEP    MOSI << MOSI  
Z\_DIR >> DIR    SCK << SCK  
CS << Z\_CS\_UART  
File: motor.sch

Sheet: Motor Y  
Y\_END >> EN    MIS0 >> MISO  
Y\_STEP >> STEP    MOSI << MOSI  
Y\_DIR >> DIR    SCK << SCK  
CS\_UART << Y\_CS\_UART  
File: dual\_motors.sch

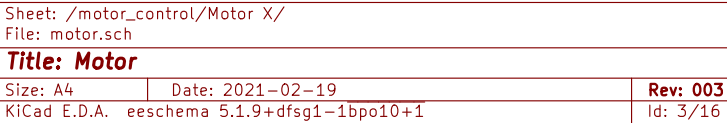
Sheet: Motor Left  
L\_END >> EN    MIS0 >> MISO  
L\_STEP >> STEP    MOSI << MOSI  
L\_DIR >> DIR    SCK << SCK  
CS << L\_CS\_UART  
File: motor.sch

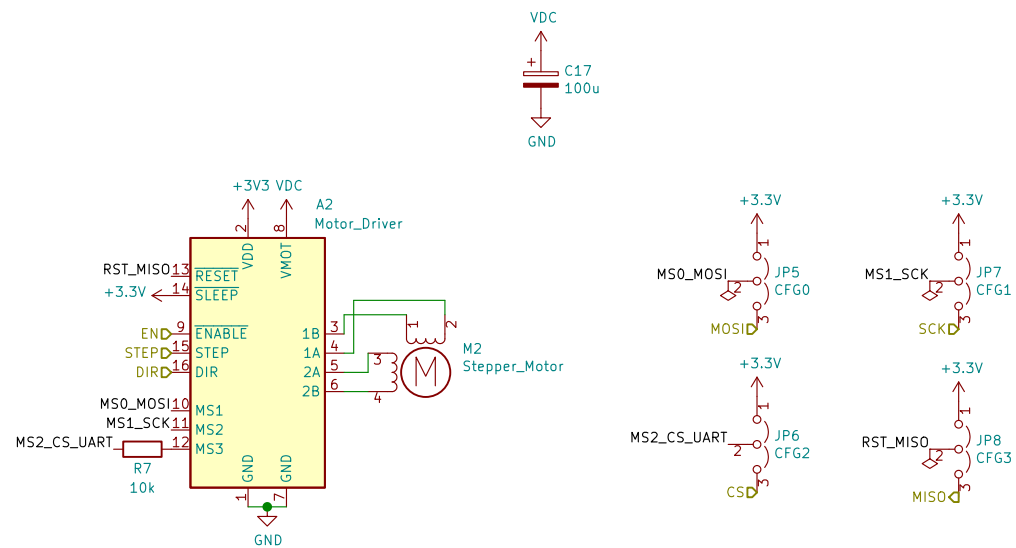
Sheet: Motor Right  
R\_END >> EN    MIS0 >> MISO  
R\_STEP >> STEP    MOSI << MOSI  
R\_DIR >> DIR    SCK << SCK  
CS << R\_CS\_UART  
File: motor.sch

Sheet: /motor\_control/  
File: motor\_control.sch

**Title: Motors**

|  |                  |          |
|--|------------------|----------|
| Size: A4                                   | Date: 2021-02-19 | Rev: 003 |
| KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1 |                  | Id: 2/16 |

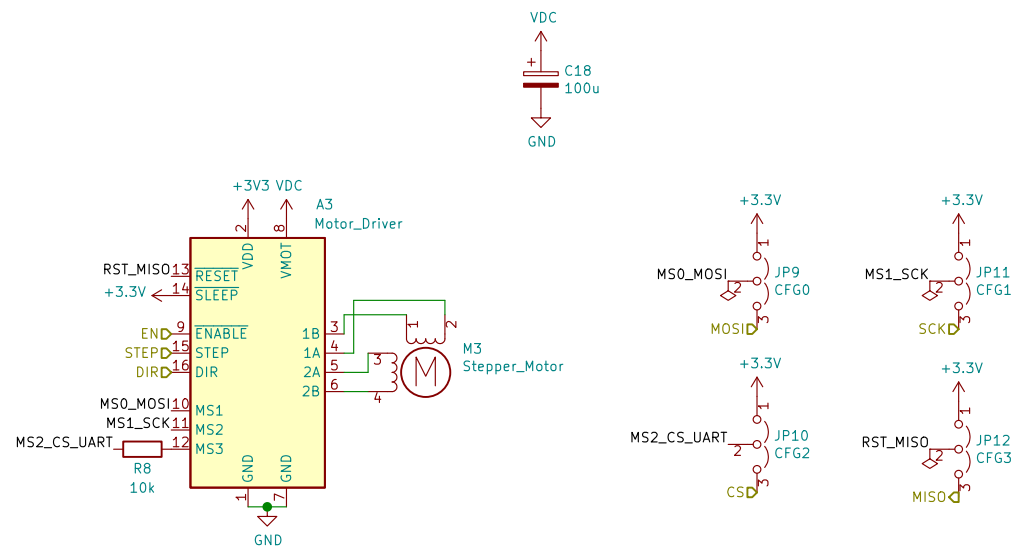




Sheet: /motor\_control/Motor Z/  
File: motor.sch

# **Title: Motor**

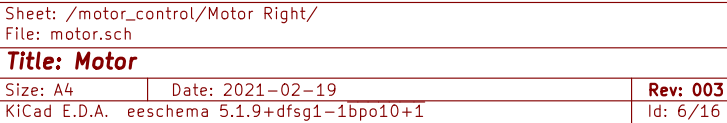
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| Size: A4                                   | Date: 2021-02-19 | Rev: 003 |
| KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1 |                  | Id: 4/16 |

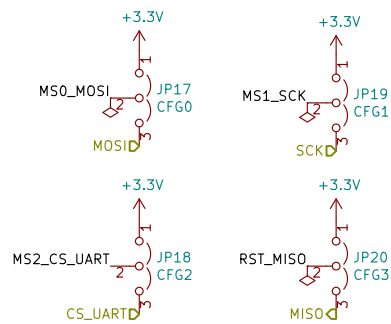
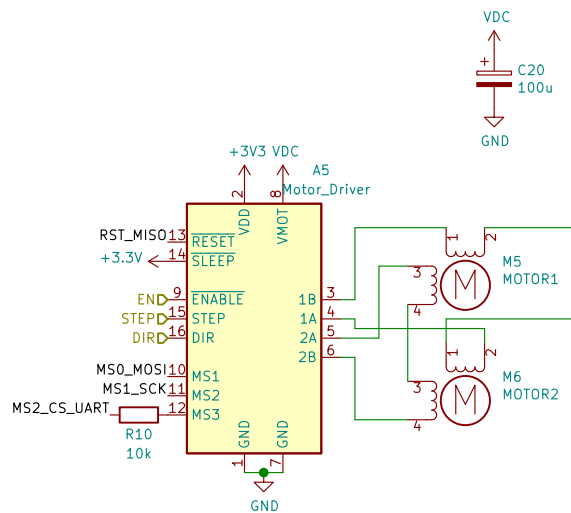


Sheet: /motor\_control/Motor Left/  
File: motor.sch

### Title: Motor

|  |                  |          |
|--|------------------|----------|
| Size: A4                                   | Date: 2021-02-19 | Rev: 003 |
| KiCad E.D.A. eeschema 5.1.9+dfsg1-1bpo10+1 |                  | Id: 5/16 |





Sheet: /motor\_control/Motor AUX/  
File: dual\_motors.sch

**Title:**

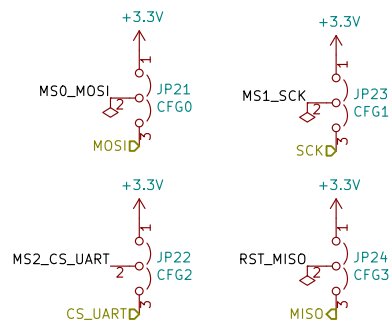
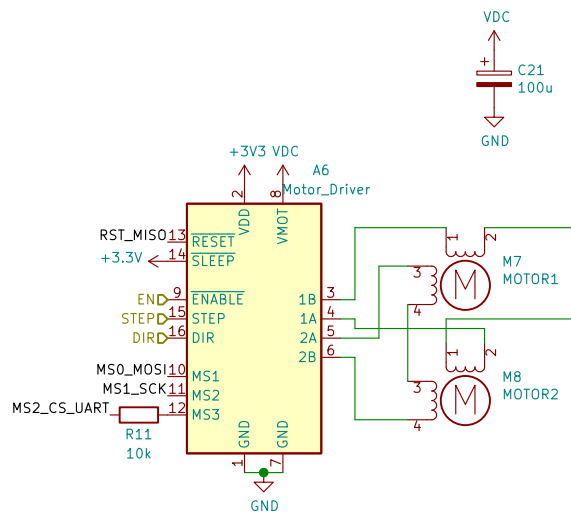
Size: A4

Date:

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**Rev:**

Id: 7/16



Sheet: /motor\_control/Motor Y/  
File: dual\_motors.sch

**Title:**

Size: A4

Date:

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**Rev:**

Id: 8/16



GND 3 J4  
+3.3V 2 X\_LIMIT  
X\_LIMIT 1

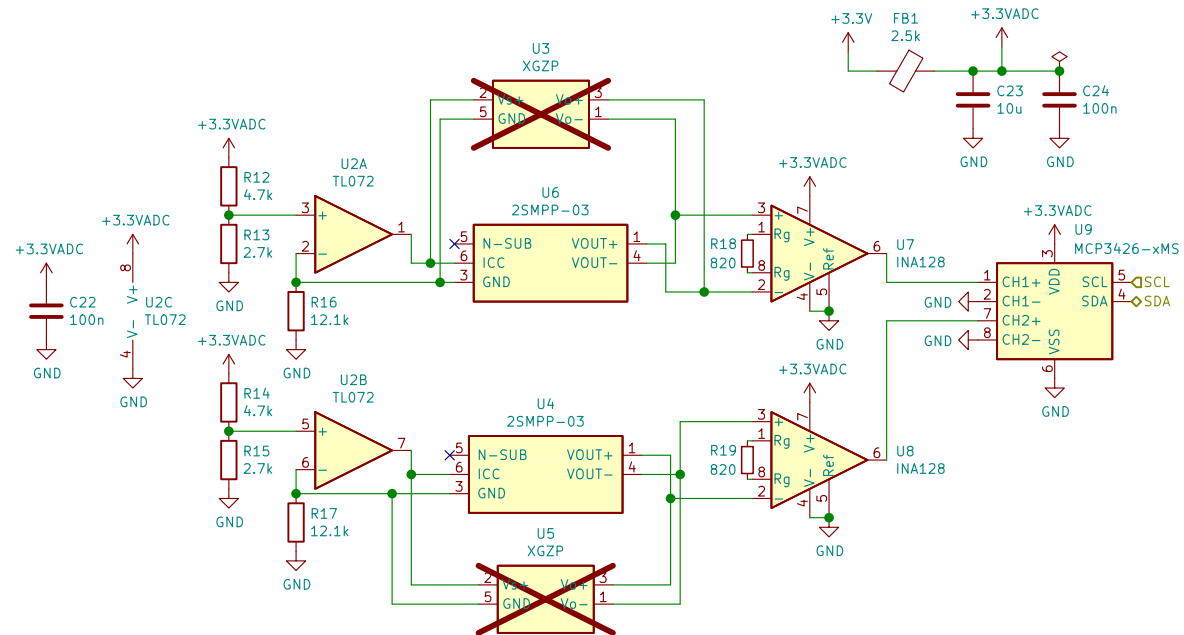
GND 3 J5  
+3.3V 2 Y\_LIMIT  
Y\_LIMIT 1

GND 3 J6  
+3.3V 2 Z\_LIMIT  
Z\_LIMIT 1

GND 3 J7  
+3.3V 2 L\_LIMIT  
L\_LIMIT 1

GND 3 J8  
+3.3V 2 R\_LIMIT  
R\_LIMIT 1

GND 3 J9  
+3.3V 2 A\_LIMIT  
A\_LIMIT 1

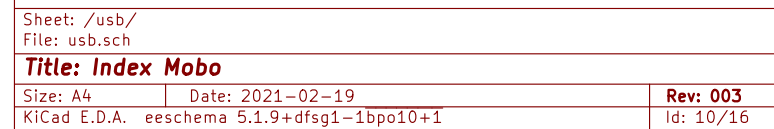


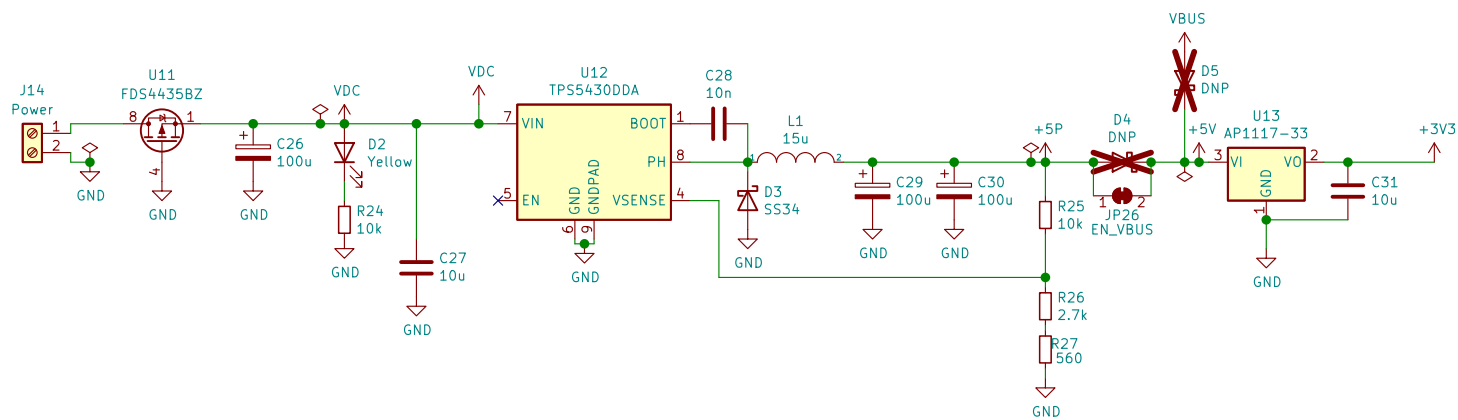
Sheet: /misc\_input/  
File: misc\_input.sch

**Title: Index Mobo**

Size: A4 Date: 2021-02-19  
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Sheet: /power/

File: power.sch

**Title: Power**

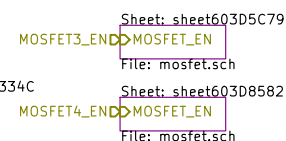
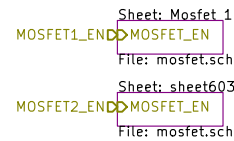
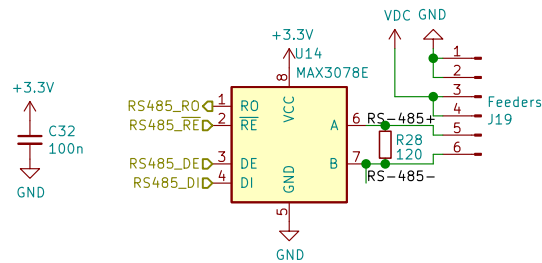
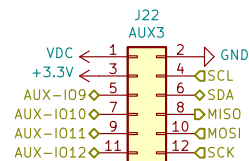
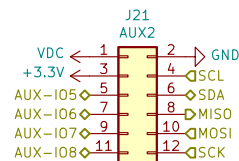
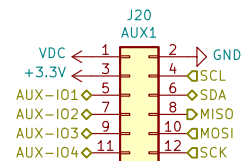
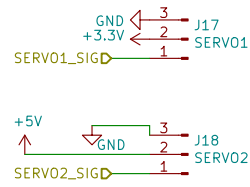
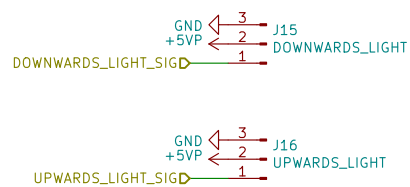
Size: A4

Date: 2021-02-19

Rev: 003

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Sheet: /misc\_output/  
File: misc\_output.sch

### Title: Output

Size: A4 Date: 2021-02-19  
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