

|   |   |   |  |   |   |   |  |
|---|---|---|--|---|---|---|--|
|   | 1   | 2 | 3  | 4   | 5   | 6 |  |
| A | <h2>Output</h2> <div>Sheet: PFS172 breakout – Buzzer</div> <div>File: modules/PFS172_breakout.sch</div> <div>Sheet: Buzzer</div> <div>File: modules/buzzer.sch</div> <div>Sheet: LEDs</div> <div>File: modules/LEDs.sch</div>   |   | <div>Sheet: PFS172 breakout – Display Ctrl</div> <div>File: modules/PFS172_breakout.sch</div> <div>Sheet: Display</div> <div>File: modules/display.sch</div> | <h2>USB</h2> <div>Sheet: USB serial</div> <div>File: modules/USB_serial.sch</div> | <h2>Microcontrollers</h2> <div>Sheet: PFS172 breakout – MCU1</div> <div>File: modules/PFS172_breakout.sch</div> <div>Sheet: MCU5000 #1</div> <div>File: modules/MCU5000.sch</div> <div>Sheet: PFS172 breakout – MCU2</div> <div>File: modules/PFS172_breakout.sch</div> <div>Sheet: MCU5000 #2</div> <div>File: modules/MCU5000.sch</div> |   |  |
| B |   |   |  |   |   |   |  |
| C |   |   | <h2>Interconnect</h2> <div>Sheet: Connection block</div> <div>File: connection_block.sch</div>   |   |   |   |  |
| D | <h2>Input</h2> <div>Sheet: Switches</div> <div>File: modules/switches.sch</div> <div>Sheet: Temp sensor</div> <div>File: modules/temp_sensor.sch</div> <div>Sheet: Light sensor</div> <div>File: modules/light_sensor.sch</div> |   |  |   |   |   |  |
|   | 1   | 2 | 3  | 4   | 5   | 6 |  |

Sheet: /  
File: MC5000\_Board.sch

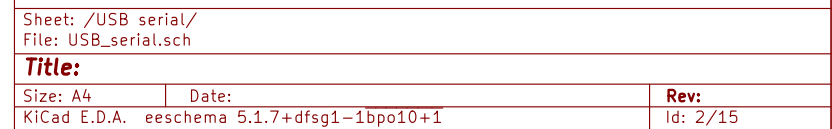
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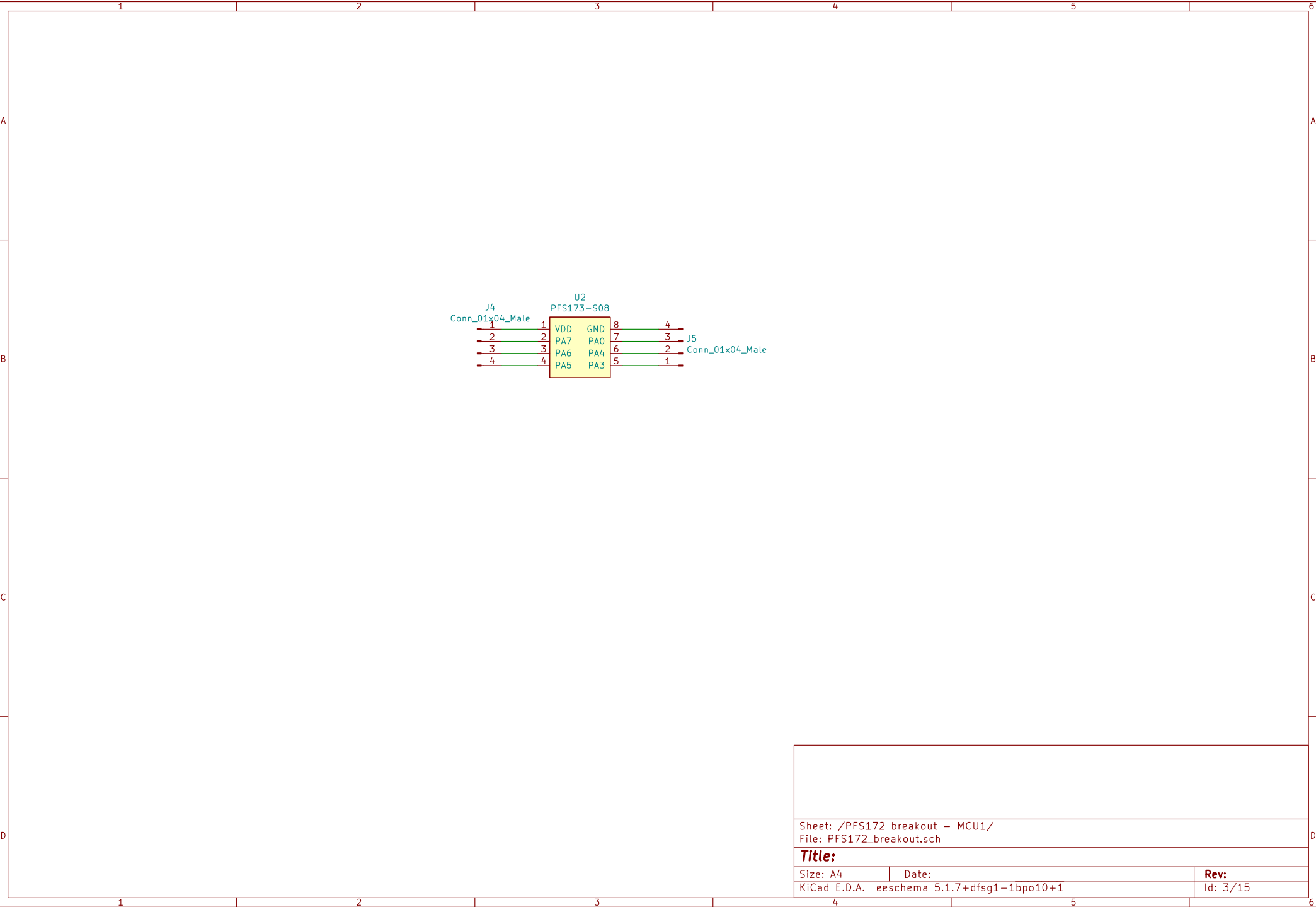
Size: A4

Date:

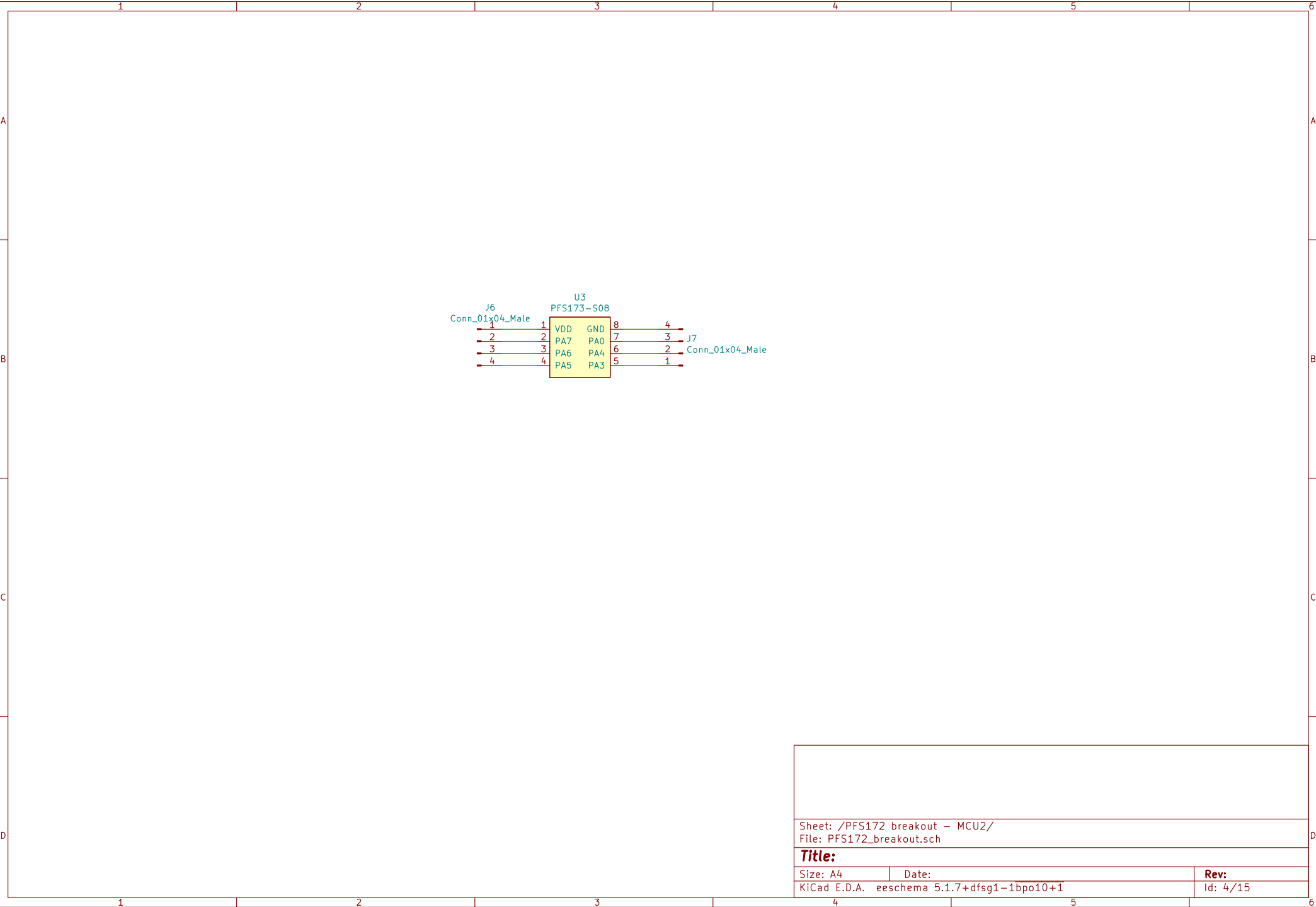
KiCad E.D.A. eeschema 5.1.7+dfsg1-1bpo10+1

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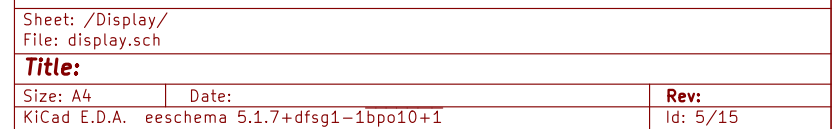


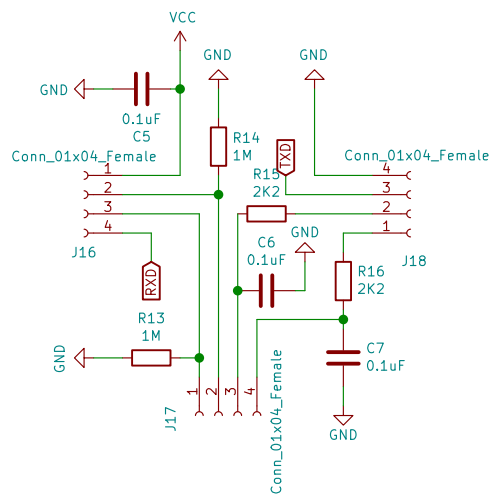


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|--|-------|----------|
| Sheet: /PFS172 breakout - MCU1/<br>File: PFS172_breakout.sch |       |          |
| Title:   |       |          |
| Size: A4   | Date: | Rev:     |
| KiCad E.D.A. eeschema 5.1.7+dfsg1-1bpo10+1                   |       | Id: 3/15 |



|  |       |          |
|--|-------|----------|
| Sheet: /PFS172 breakout - MCU2/<br>File: PFS172_breakout.sch |       |          |
| Title:   |       |          |
| Size: A4   | Date: | Rev:     |
| KiCad E.D.A. eeschema 5.1.7+dfsg1-1bpo10+1                   |       | Id: 4/15 |





Sheet: /MCU5000 #1/  
File: MCU5000.sch

**Title:**

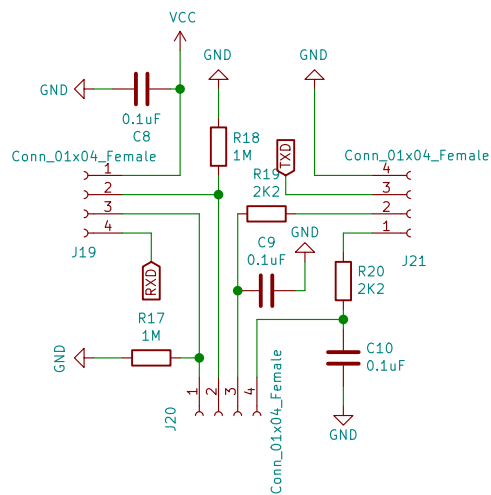
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.7+dfsg1-1bpo10+1

**Rev:**

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Sheet: /MCU5000 #2/  
File: MCU5000.sch

**Title:**

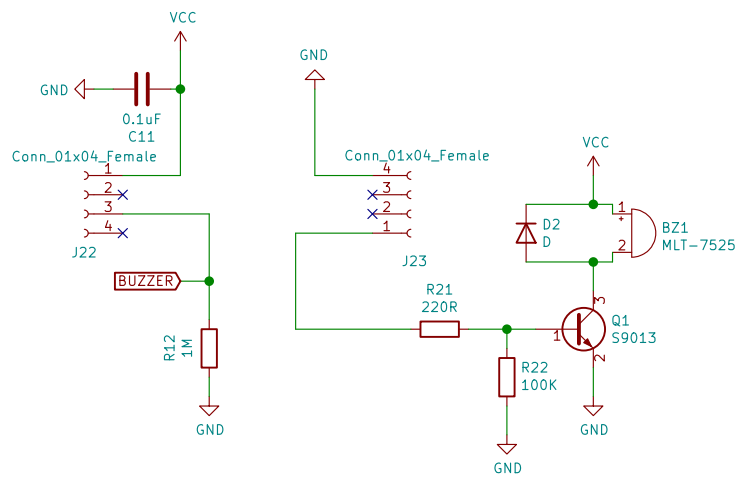
Size: A4

Date:

KiCad E.D.A. eeschema 5.1.7+dfsg1-1bpo10+1

**Rev:**

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Sheet: /Buzzer/  
File: buzzer.sch

**Title:**

Size: A4

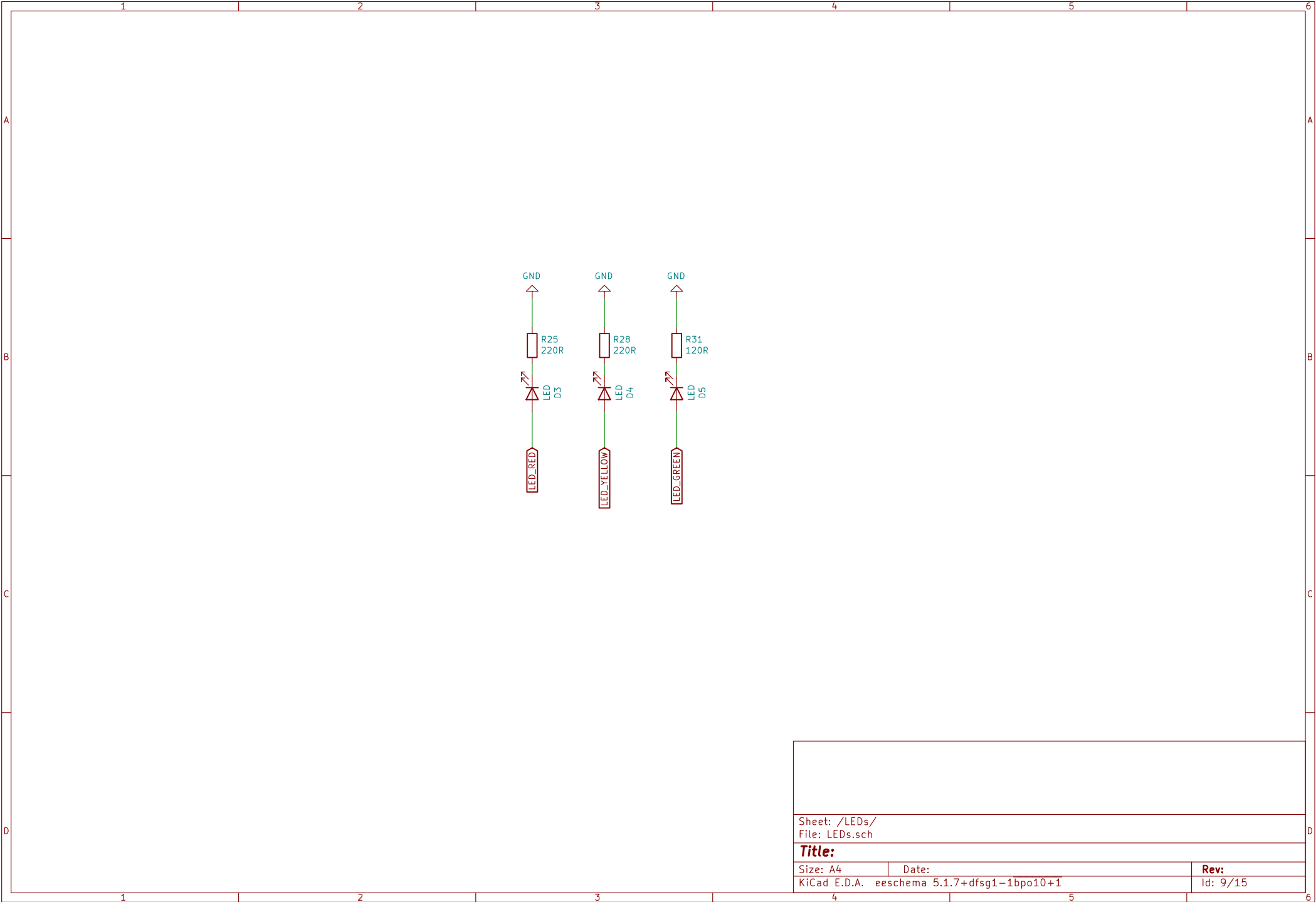
Date:

KiCad E.D.A. eeschema 5.1.7+dfsg1-1bpo10+1

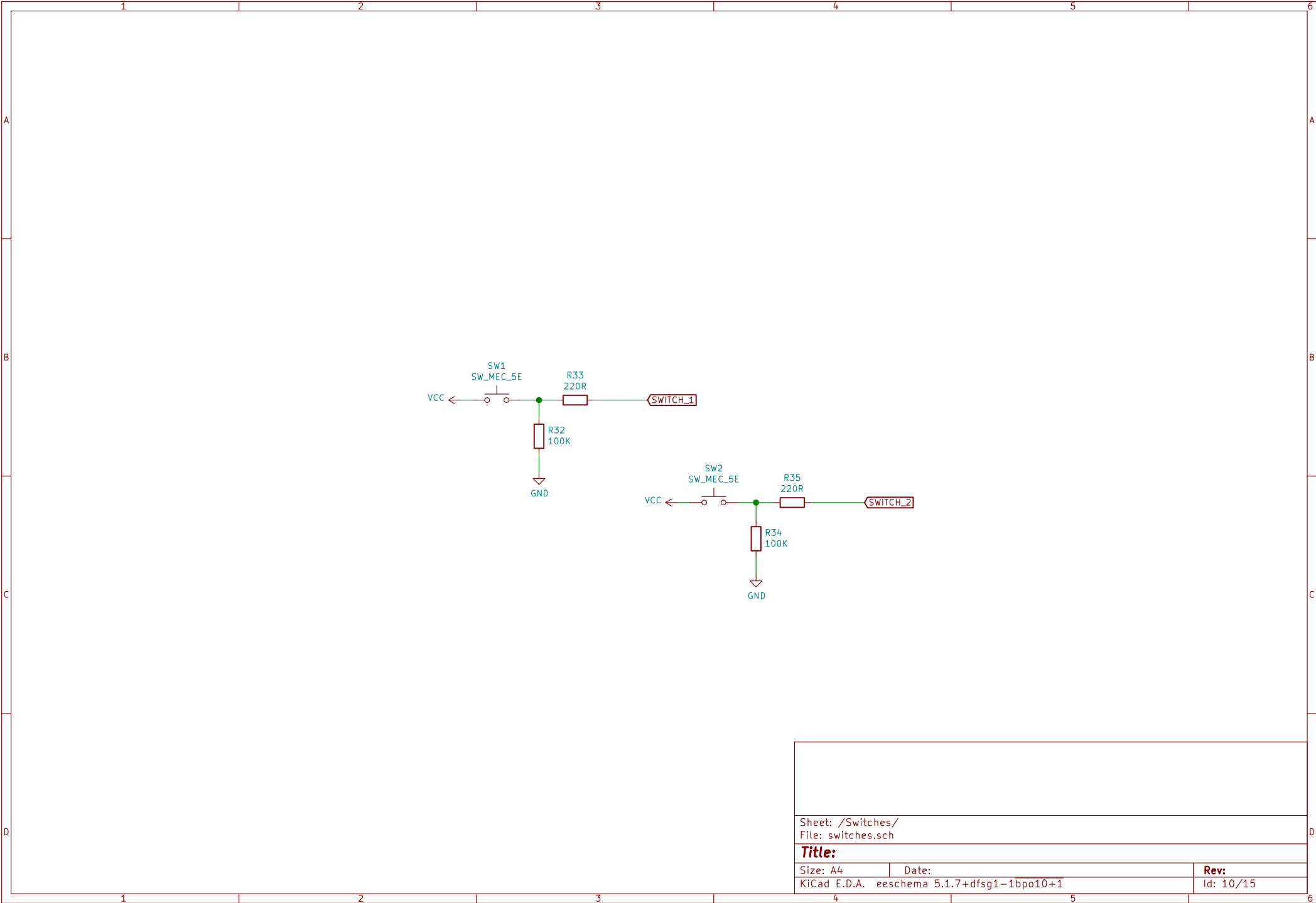
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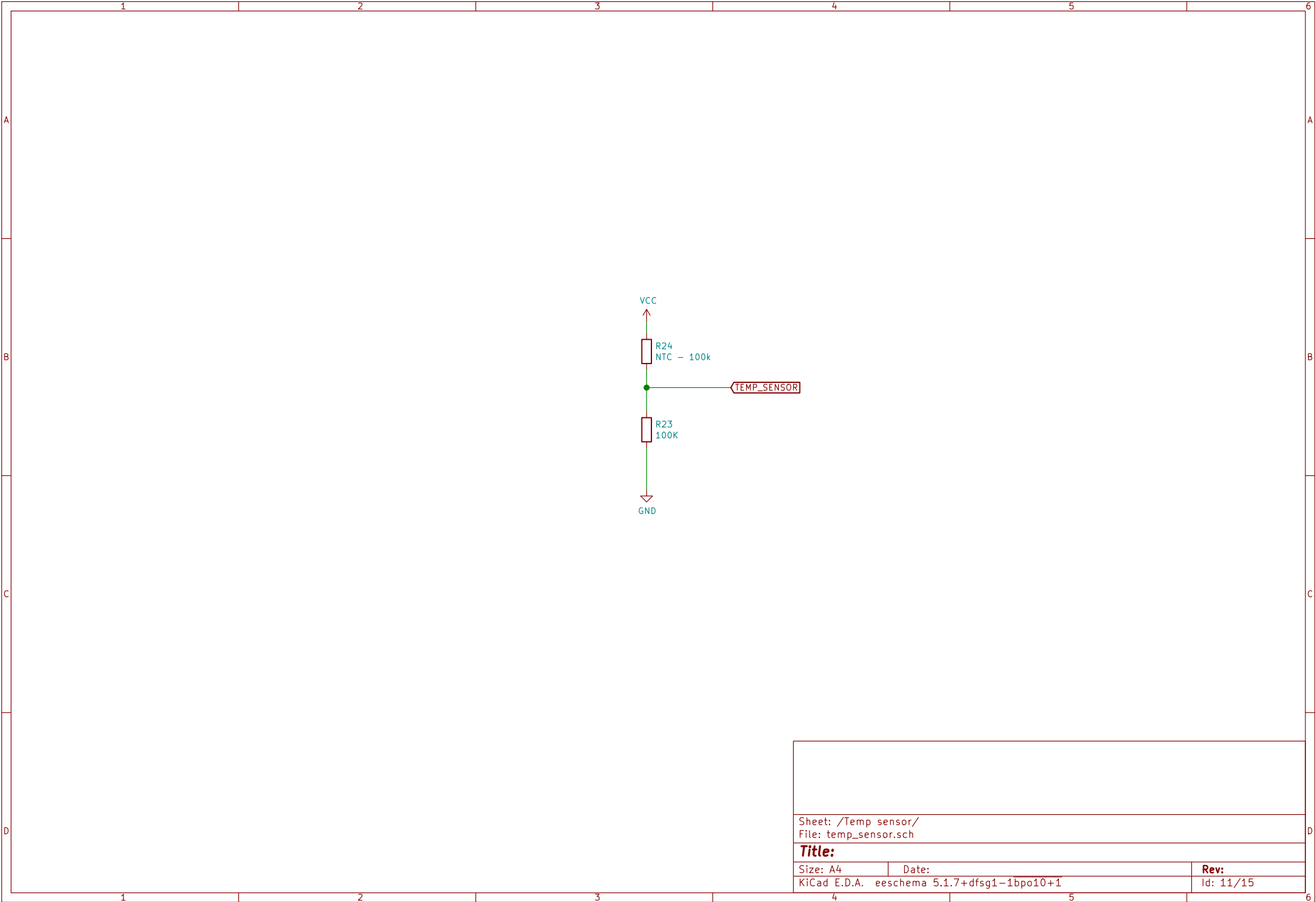
Id: 8/15



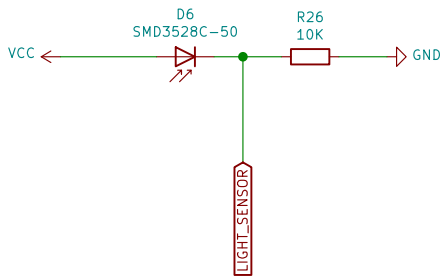


|  |       |          |
|--|-------|----------|
| Sheet: /LEDs/<br>File: LEDs.sch            |       |          |
| Title:                                     |       |          |
| Size: A4                                   | Date: | Rev:     |
| KiCad E.D.A. eeschema 5.1.7+dfsg1-1bpo10+1 |       | Id: 9/15 |





|   |       |           |
|---|-------|-----------|
| Sheet: /Temp sensor/<br>File: temp_sensor.sch |       |           |
| Title:  |       |           |
| Size: A4                                      | Date: | Rev:      |
| KiCad E.D.A. eeschema 5.1.7+dfsg1-1bpo10+1    |       | Id: 11/15 |

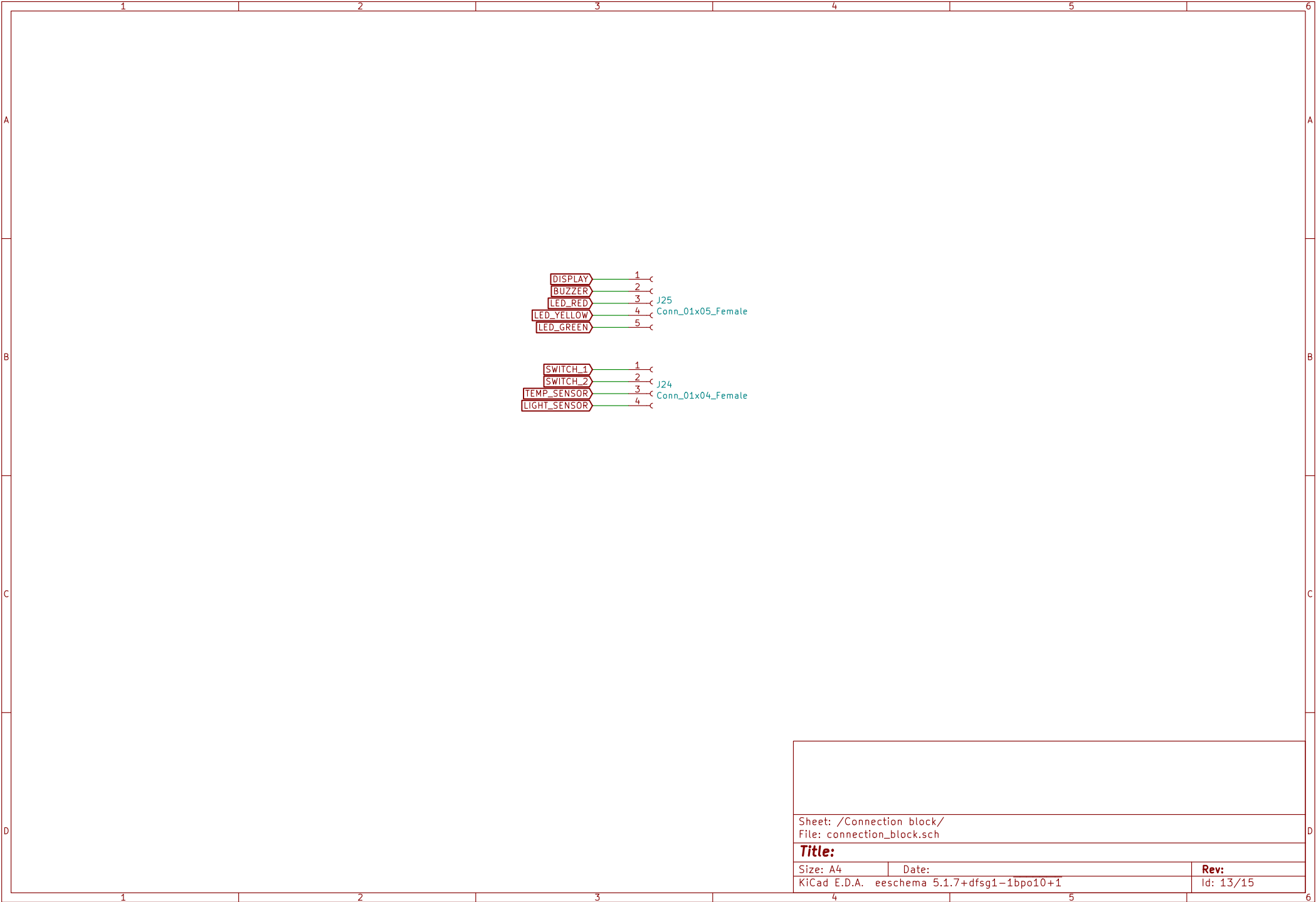


Sheet: /Light sensor/  
File: light\_sensor.sch

**Title:**

Size: A4      Date:      KiCad E.D.A.    eeschema 5.1.7+dfsg1-1bpo10+1

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SWITCH\_1

SWITCH\_2

TEMP\_SENSOR

LIGHT\_SENSOR

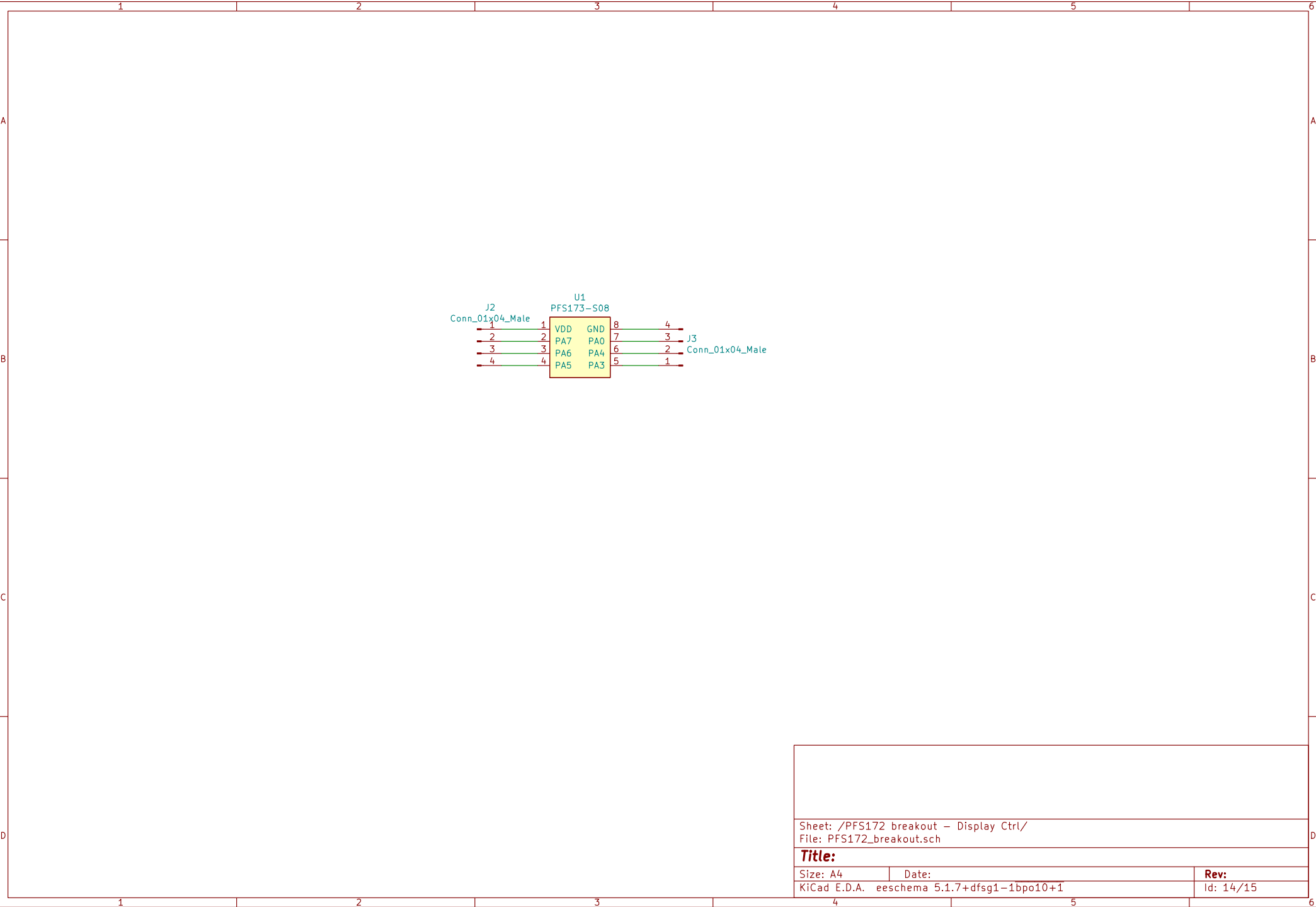
1

2

3

4

J24  
Conn\_01x04\_Female



Sheet: /PFS172 breakout - Display Ctrl/  
File: PFS172\_breakout.sch

**Title:**

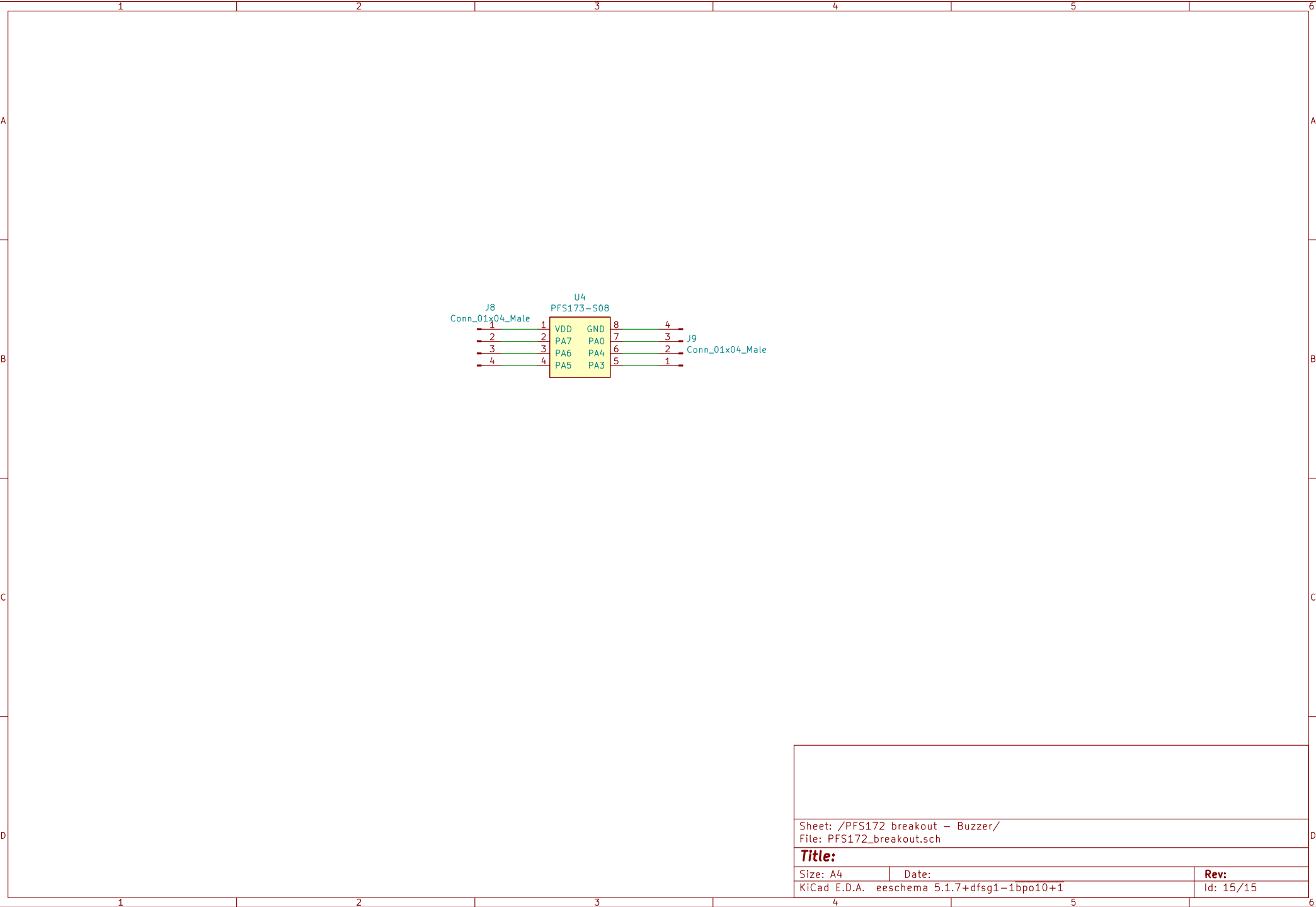
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Date:

KiCad E.D.A. eeschema 5.1.7+dfsg1-1bpo10+1

**Rev:**

Id: 14/15



|  |       |           |
|--|-------|-----------|
| Sheet: /PFS172 breakout - Buzzer/<br>File: PFS172_breakout.sch |       |           |
| Title:   |       |           |
| Size: A4   | Date: | Rev:      |
| KiCad E.D.A. eeschema 5.1.7+dfsg1-1bpo10+1                     |       | Id: 15/15 |