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|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| A | | | | | | | | |
| B | | | | | | | | |
| C | | | | | | | | |
| D | | | | | | | | |
| E | | | | | | | | |
| F | | | | | | | | |

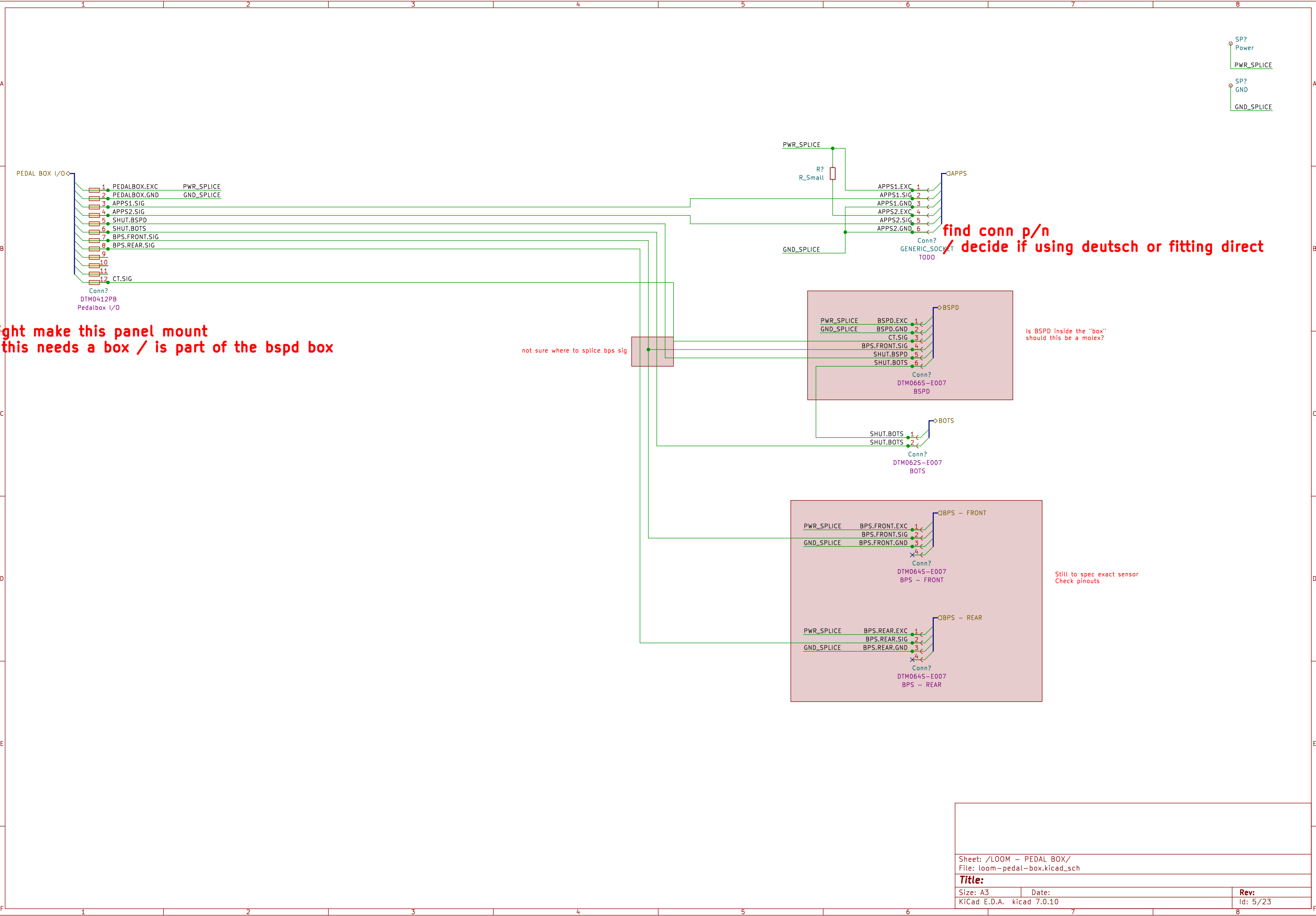
Conn?
776164-1

- 1
- 2
- 3
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- 6
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- 8
- 9
- 10
- 11
- 12
- 13
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- 32
- 33
- 34
- 35

| | | |
|---|----------|------|
| | | |
| Sheet: /LOOM - REAR/ File: loom-rear.kicad_sch | | |
| Title: | | |
| Size: A3 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | Id: 3/23 | |

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|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| A | | | | | | | | |
| B | | | | | | | | |
| C | | | | | | | | |
| D | | | | | | | | |
| E | | | | | | | | |
| F | | | | | | | | |

| | | |
|---|----------|------|
| | | |
| Sheet: /LOOM – ACCUMULATOR/ File: loom-accumulator.kicad_sch | | |
| Title: | | |
| Size: A3 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | Id: 4/23 | |



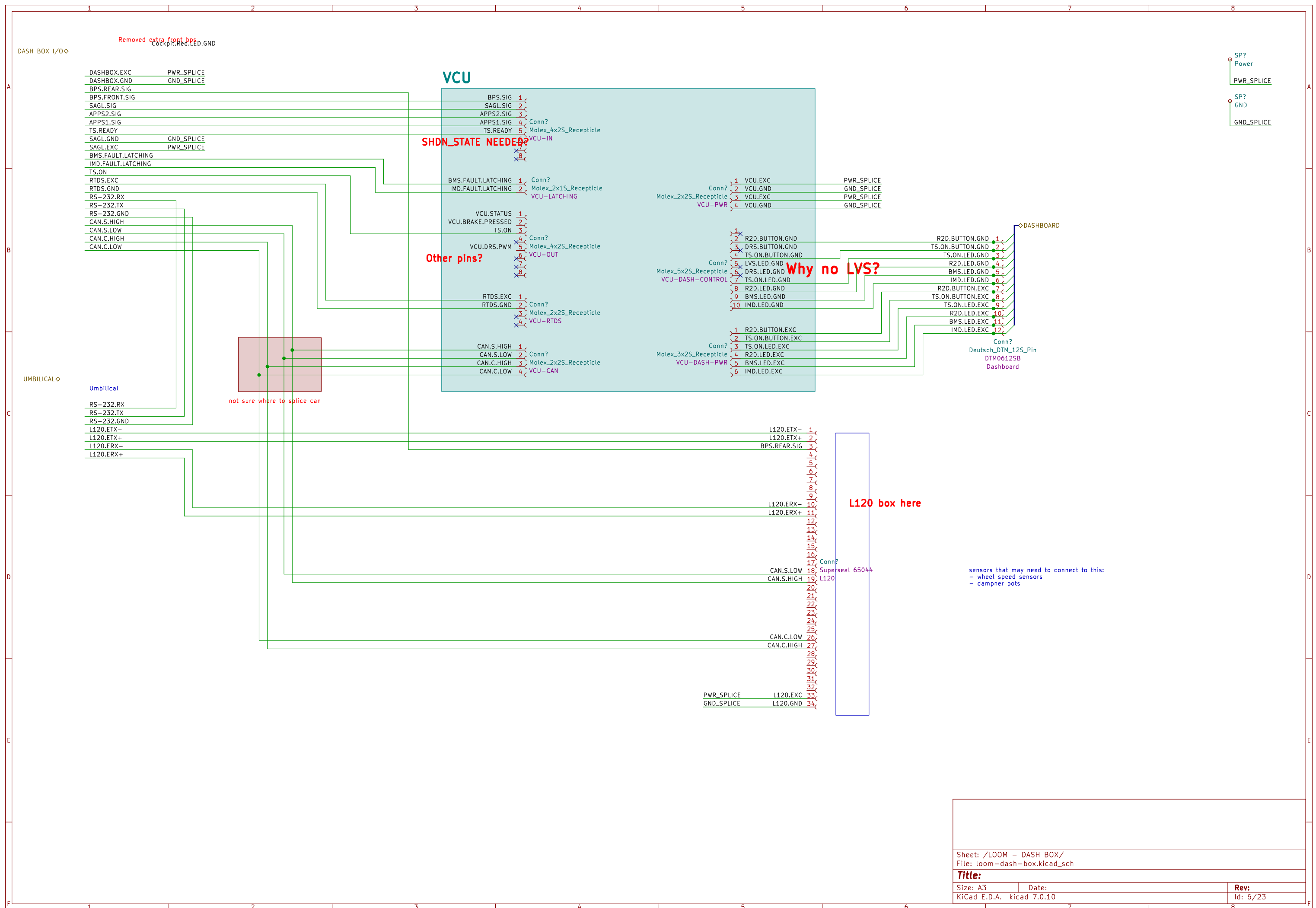
might make this panel mount
if this needs a box / is part of the bspd box

find conn p/n
/ decide if using deutsch or fitting direct

not sure where to splice bps sig

Is BSPD inside the "box"
should this be a molex?

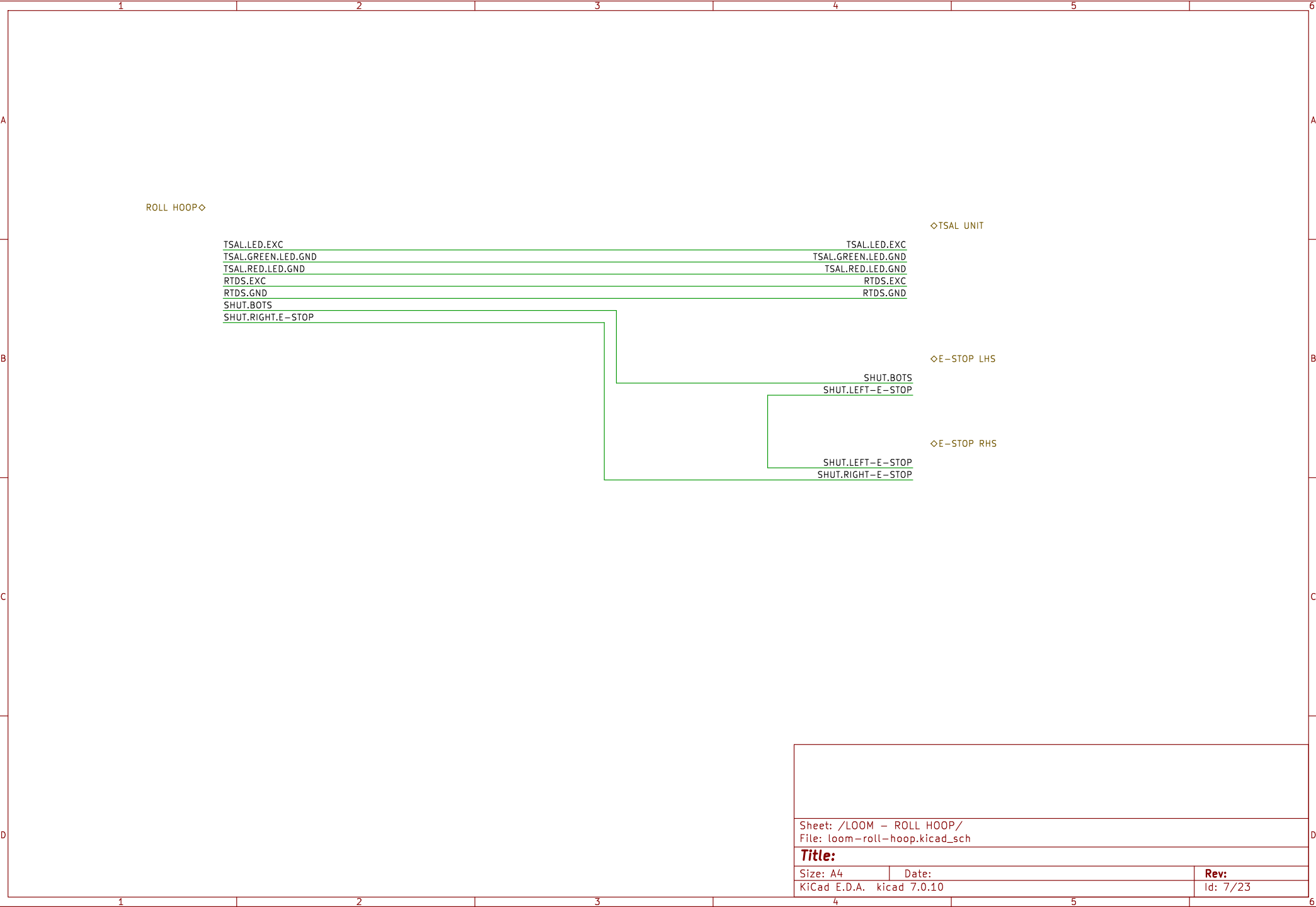
Still to spec exact sensor
Check pinouts



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| A | | | | | | | | |
| B | | | | | | | | |
| C | | | | | | | | |
| D | | | | | | | | |
| E | | | | | | | | |
| F | | | | | | | | |

Need to work out what this will be in reality.
Will the PCB do some splicing for us?
Will the LEDs be soldered to PCB somehow?
Or is the PCB just a mounting board and nothing electrical?

| | | |
|---|----------|------|
| | | |
| Sheet: /DEVICE – DASHBOARD/ File: device–dashboard.kicad_sch | | |
| Title: | | |
| Size: A3 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | Id: 7/23 | |



Sheet: /LOOM - ROLL HOOP/
File: loom-roll-hoop.kicad_sch

Title:

Size: A4

Date:

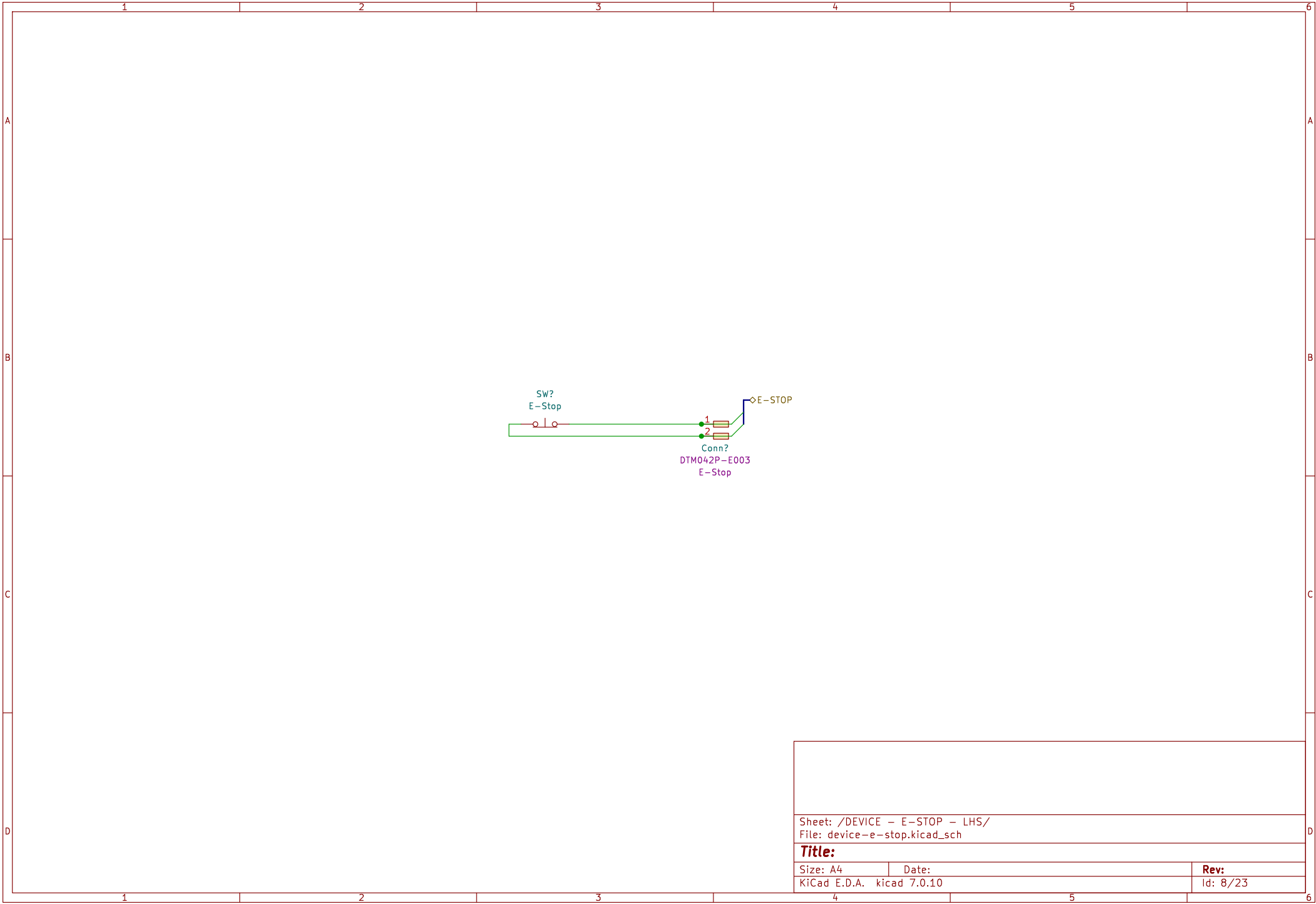
KiCad E.D.A. kicad 7.0.10

Rev:

Id: 7/23

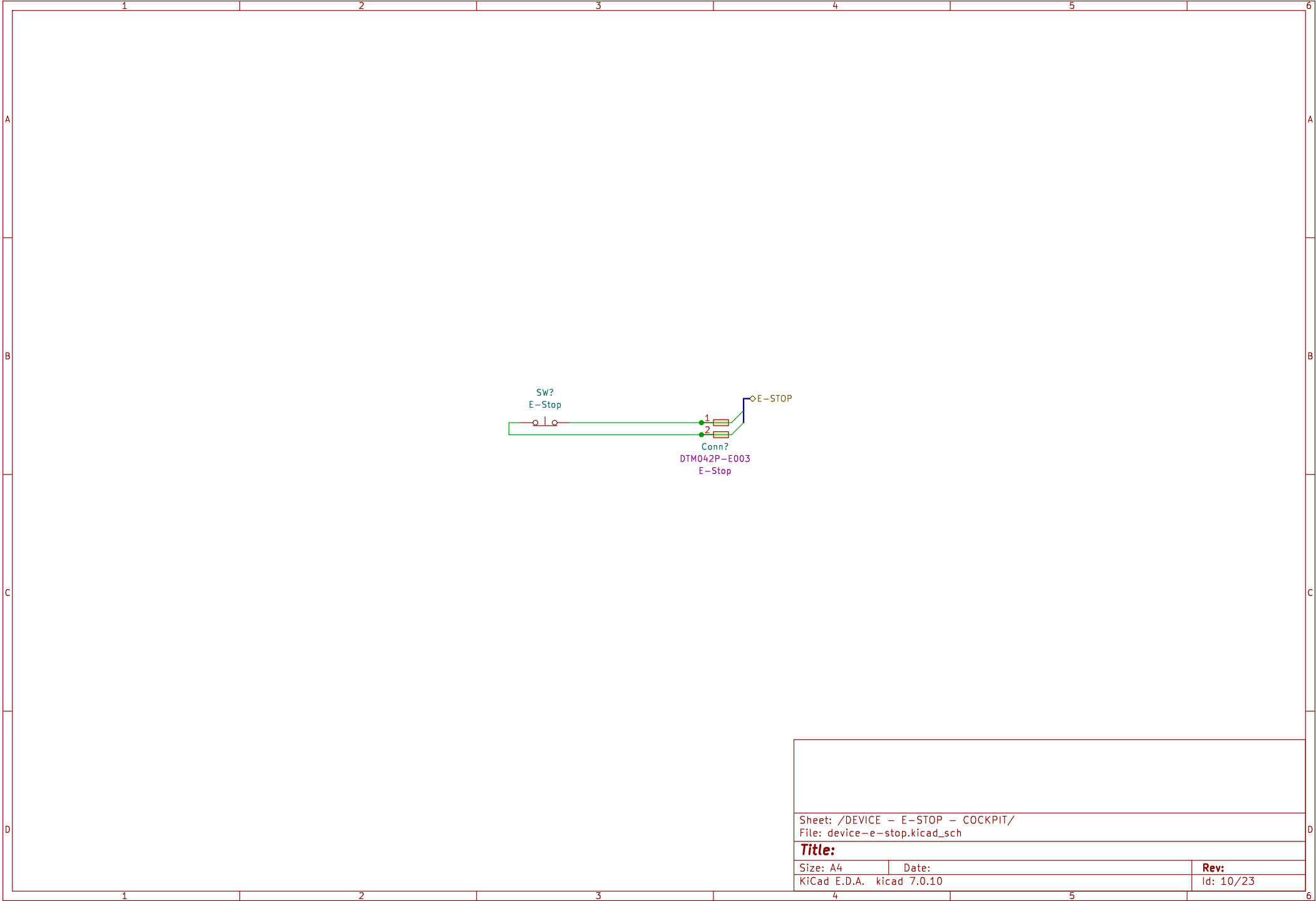
| | | | | | | |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| A | | | | | | |
| B | | | | | | |
| C | | | | | | |
| D | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 |

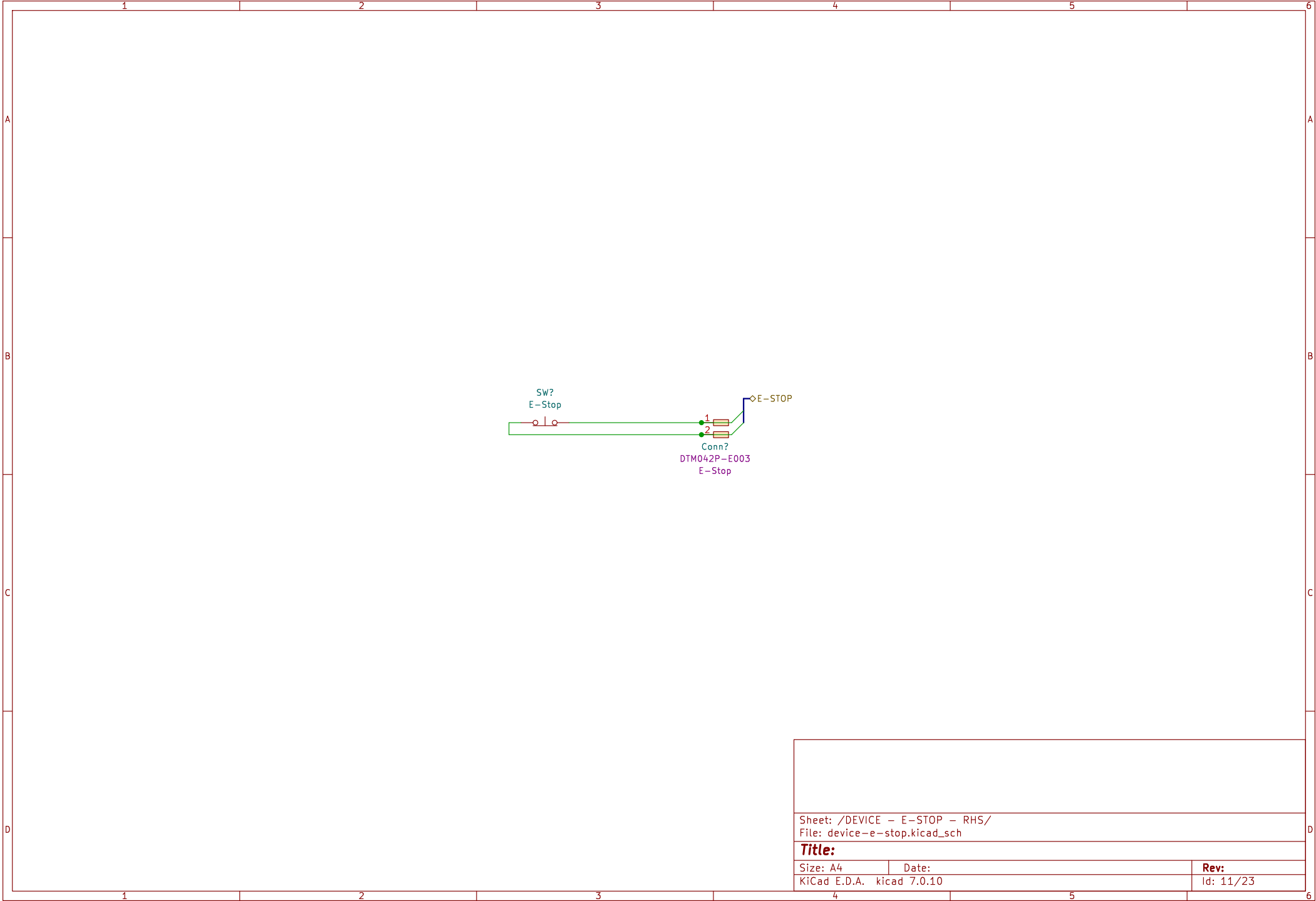
| | | |
|---|----------|------|
| | | |
| Sheet: /LOOM - CHARGING CART/ File: loom-charging-cart.kicad_sch | | |
| Title: | | |
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | Id: 7/23 | |



| | | | | | |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| A | | | | | A |
| B | | | | | B |
| C | | | | | C |
| D | | | | | D |
| 1 | 2 | 3 | 4 | 5 | 6 |

| | | |
|---|-------|----------|
| | | |
| Sheet: /DEVICE – INERTIA SWITCH/ File: device–inertia–switch.kicad_sch | | |
| Title: | | |
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | | Id: 9/23 |

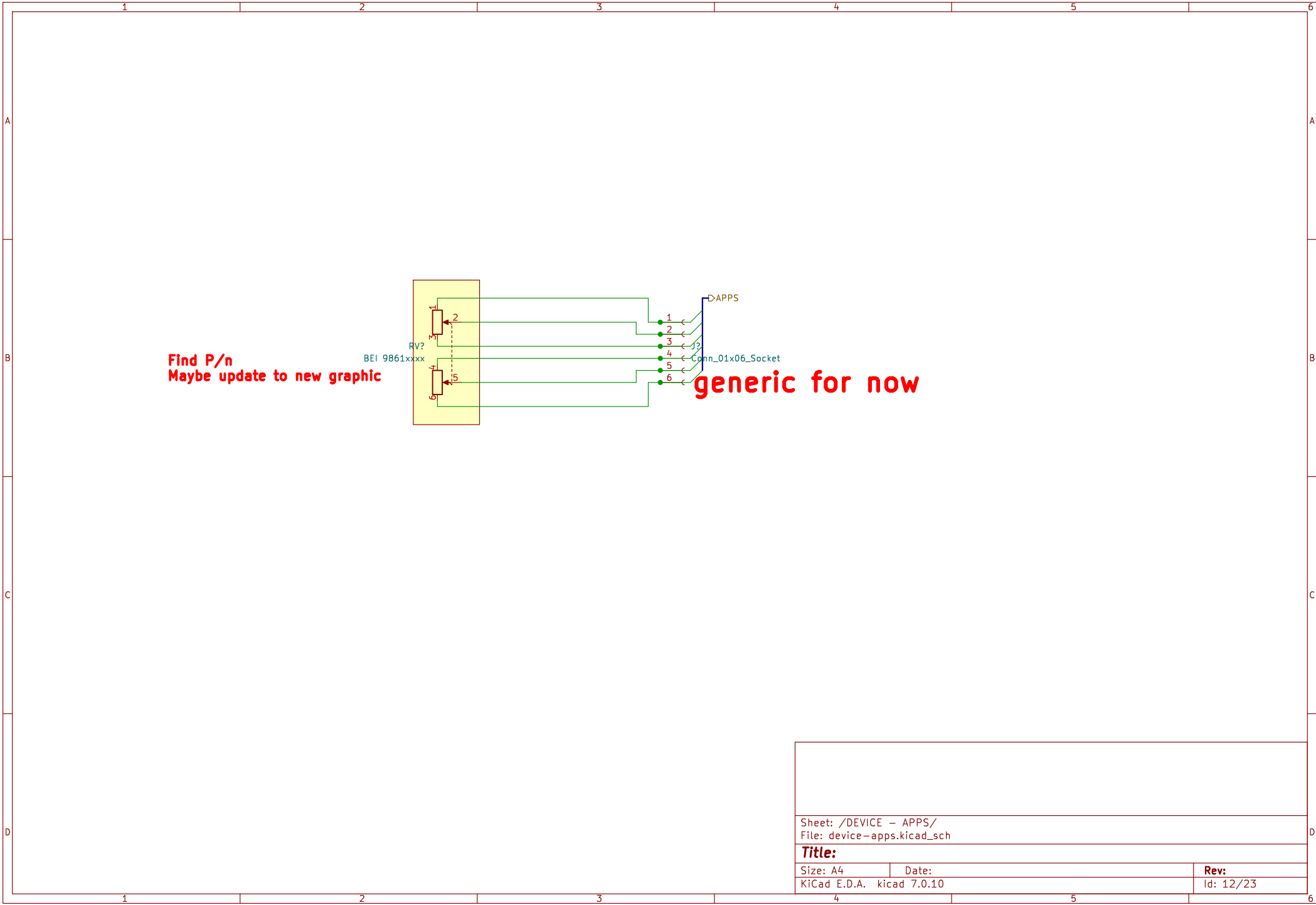




Sheet: /DEVICE - E-STOP - RHS/
File: device-e-stop.kicad_sch

Title:

| | | |
|---------------------------|-------|-----------|
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | | Id: 11/23 |



Sheet: /DEVICE - APPS/
File: device-apps.kicad_sch

Title:

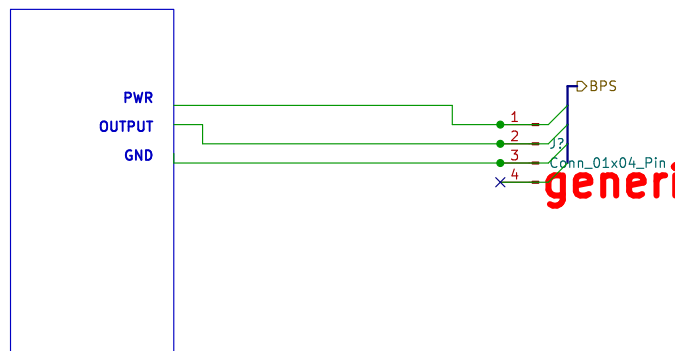
Size: A4
KiCad E.D.A. kicad 7.0.10

Date:

Rev:

Id: 12/23

Add device symbol here



generic for now

Sheet: /DEVICE - BPS - FRONT/
File: device-bps.kicad_sch

Title:

Size: A4

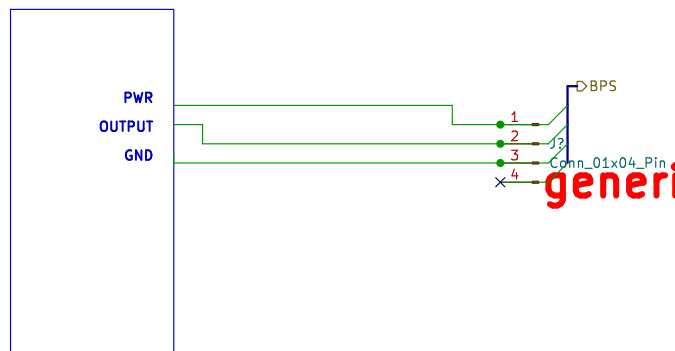
Date:

KiCad E.D.A. kicad 7.0.10

Rev:

Id: 13/23

Add device symbol here



generic for now

Sheet: /DEVICE - BPS - REAR/
File: device-bps.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad 7.0.10

Rev:

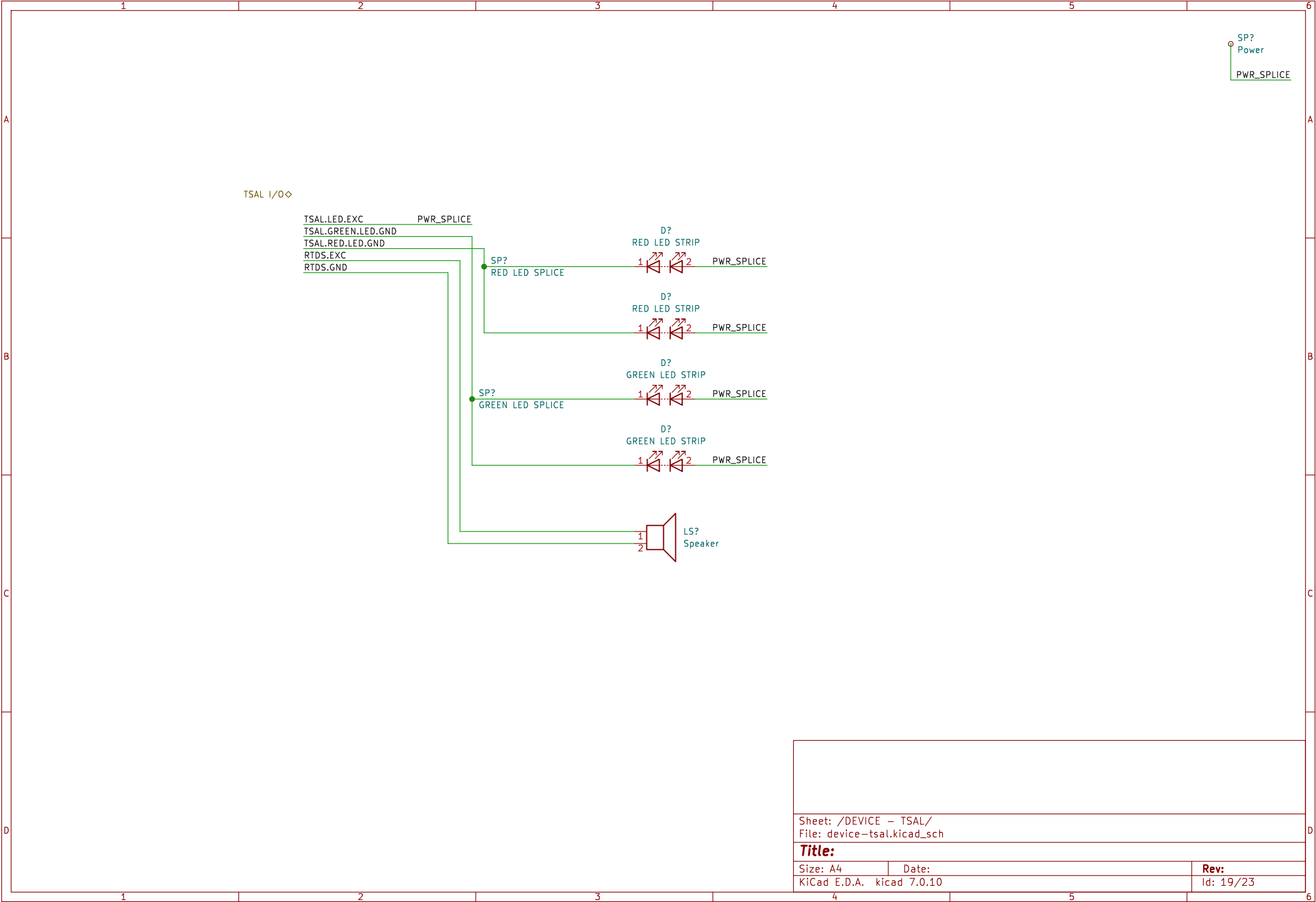
Id: 15/23

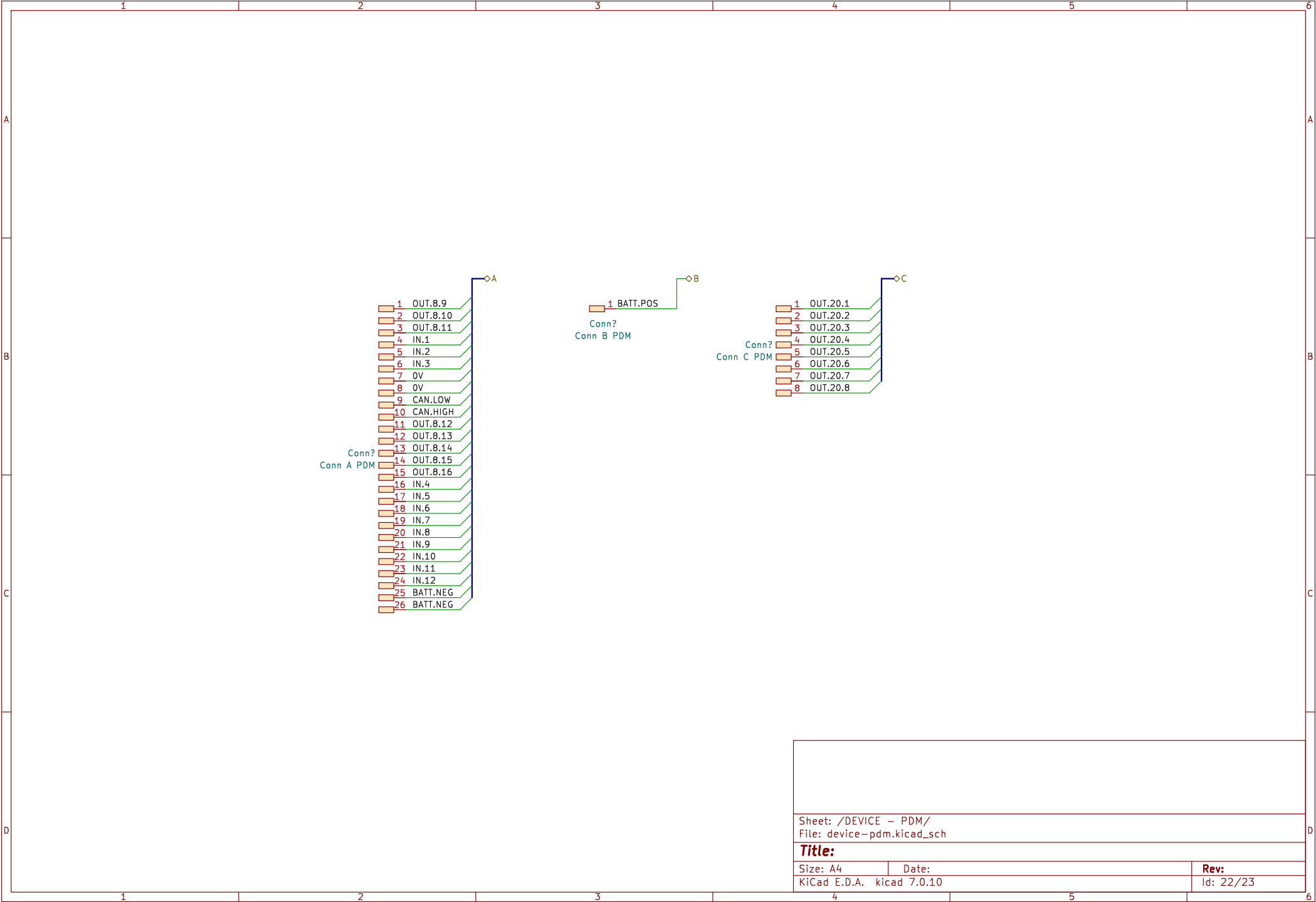
| | | | | | |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| A | | | | | A |
| B | | | | | B |
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| D | | | | | D |
| 1 | 2 | 3 | 4 | 5 | 6 |

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|---|-----------|------|
| | | |
| Sheet: /DEVICE – BSPD/ File: device-bspd.kicad_sch | | |
| Title: | | |
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | Id: 16/23 | |

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|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| A | | | | | A |
| B | | | | | B |
| C | | | | | C |
| D | | | | | D |
| 1 | 2 | 3 | 4 | 5 | 6 |

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|---|-----------|------|
| | | |
| Sheet: /DEVICE – BOTS/ File: device–bots.kicad_sch | | |
| Title: | | |
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | Id: 17/23 | |

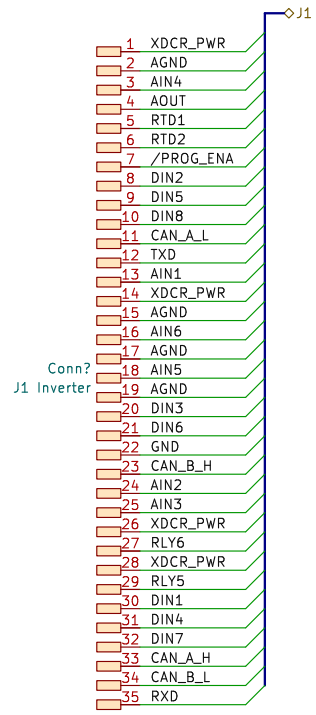




Sheet: /DEVICE - PDM/
File: device-pdm.kicad_sch

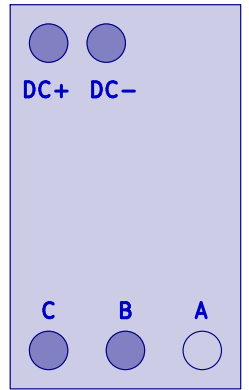
Title:

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|---------------------------|-------|-----------|
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | | Id: 22/23 |

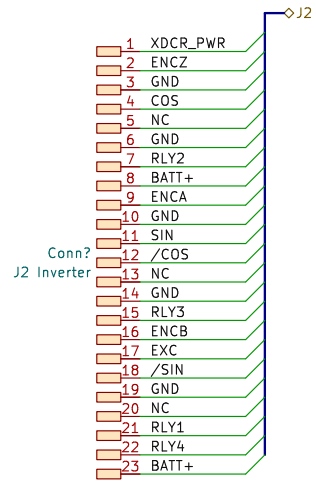


PHASE CONNECTIONS

- ◇PHASE.A
- ◇PHASE.B
- ◇PHASE.C



Top View



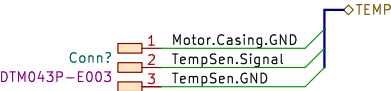
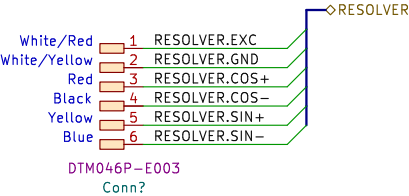
ADD CONNECTION HERE

gen 2 or gen 3?
I've assumed gen 3 for now

| | | |
|---|-------|-----------|
| Sheet: /DEVICE – INVERTER/ File: device-inverter.kicad_sch | | |
| Title: | | |
| Size: A4 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | | Id: 23/23 |

PHASE CONNECTIONS

- ◇PHASE.U
- ◇PHASE.V
- ◇PHASE.W



MOTOR CASING TO GROUND DIRECTLY TO
INVERTER CASING THROUGH FLYING RING
TERMINAL FROM BACK OF THIS
CONNECTOR

RESOLVER SHIELD GROUNDED VIA MOTOR
CASING

Sheet: /DEVICE-MOTOR/
File: device-motor.kicad_sch

| | | | |
|---------------------------|-------|-----------|--|
| Title: | | | |
| Size: A4 | Date: | Rev: | |
| KiCad E.D.A. kicad 7.0.10 | | Id: 24/23 | |

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| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
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| D | | | | | | | | |
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| E | | | | | | | | |
| | | | | | | | | |
| F | | | | | | | | |

APPS Accelerator Pedal Position Sensor
BPS Brake Pressure Sensor

| | | |
|---|-----------|------|
| | | |
| Sheet: /ACRONYMS/ File: acronyms.kicad_sch | | |
| Title: | | |
| Size: A3 | Date: | Rev: |
| KiCad E.D.A. kicad 7.0.10 | Id: 99/23 | |