

Sheet: /LOOM - SIDE PANEL/
File: loom-side-panel.kicad_sch

Title: LOOM - SIDE PANEL

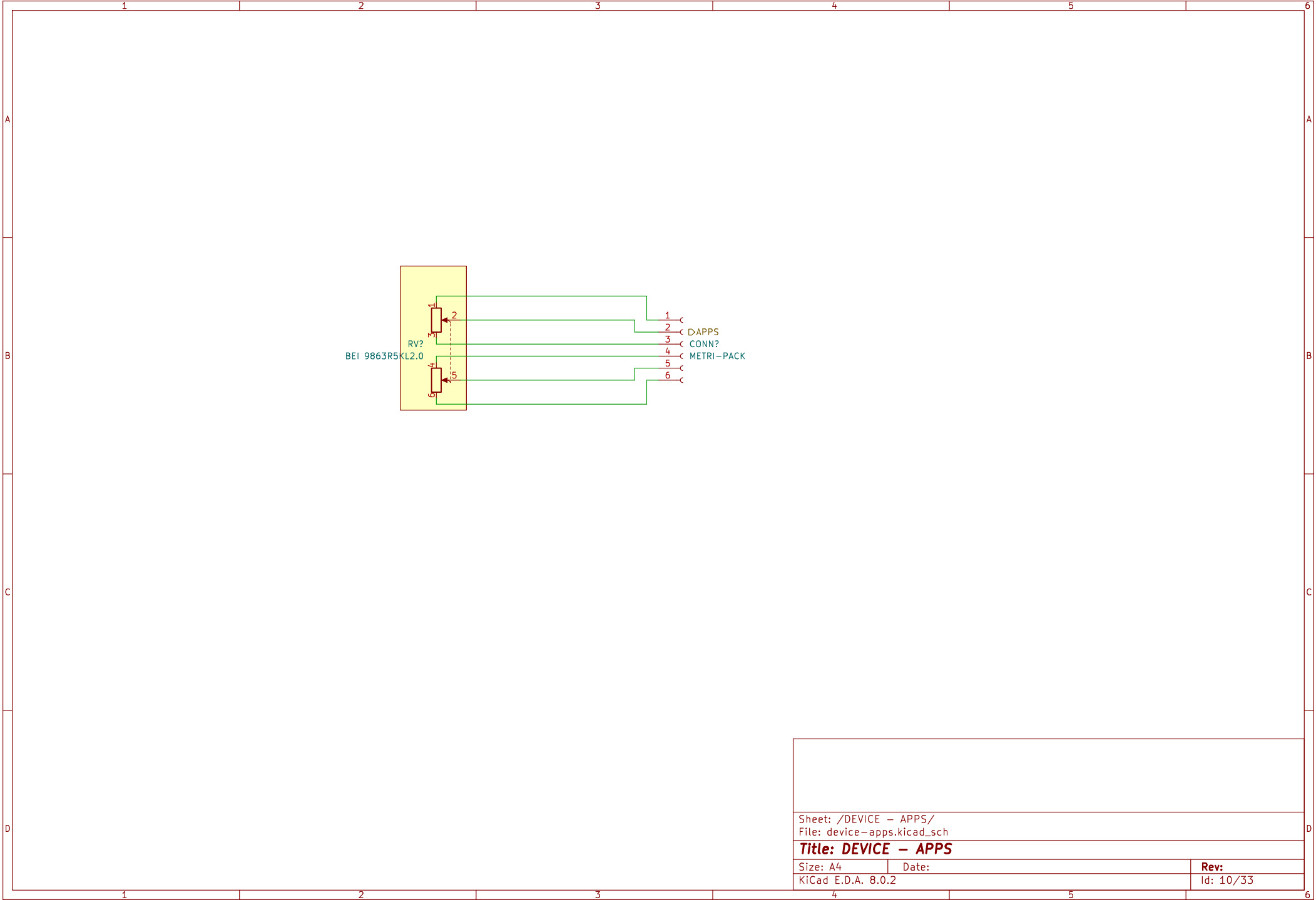
Size: A4

Date:

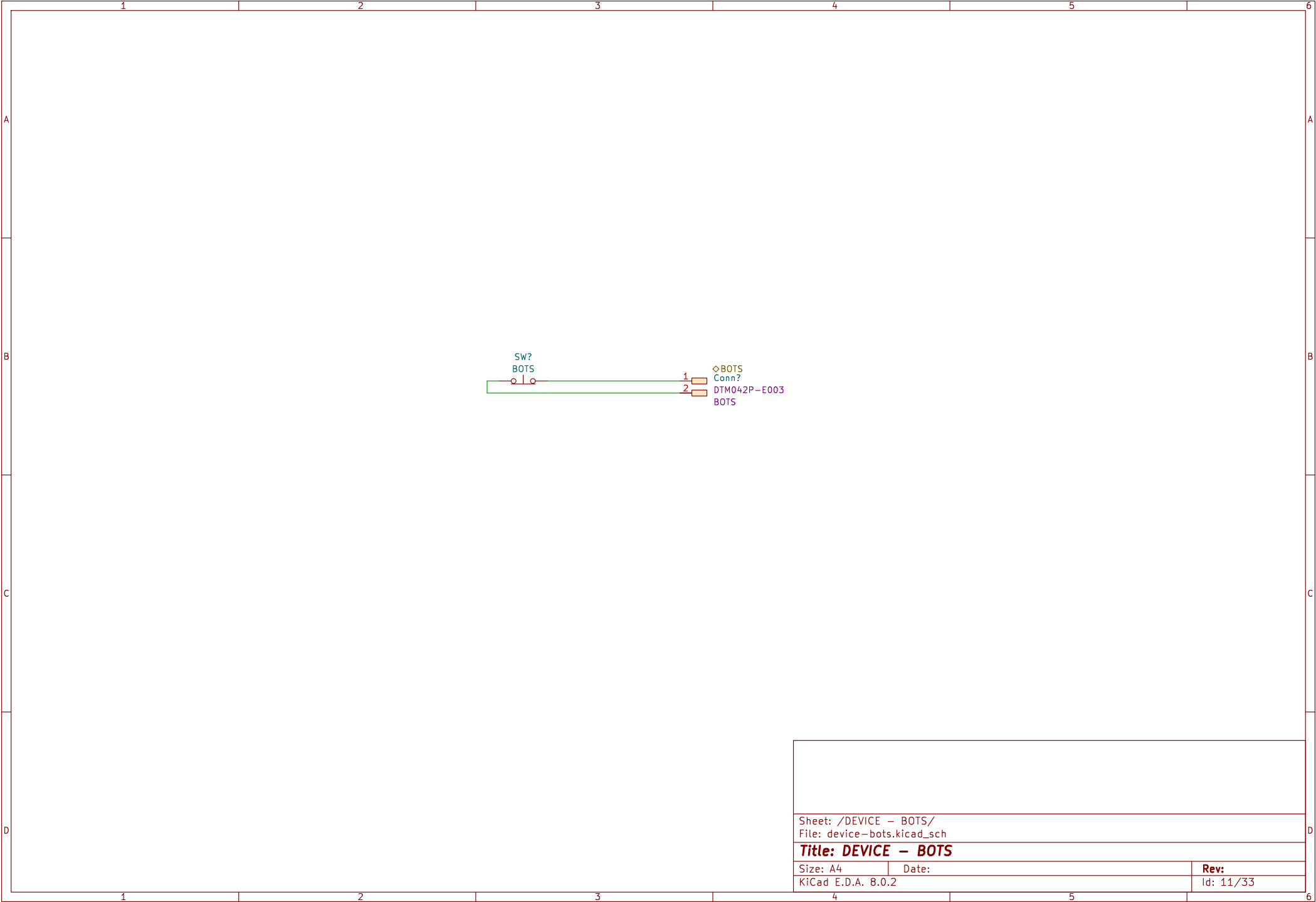
KiCad E.D.A. 8.0.2

Rev:

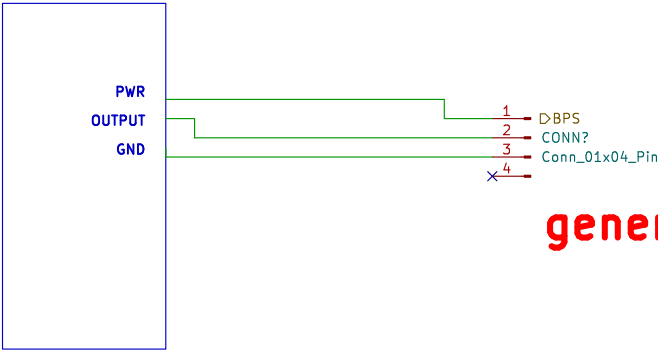
Id: 9/33



Sheet: /DEVICE – APPS/ File: device-apps.kicad_sch		
Title: DEVICE – APPS		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.2	Id: 10/33	

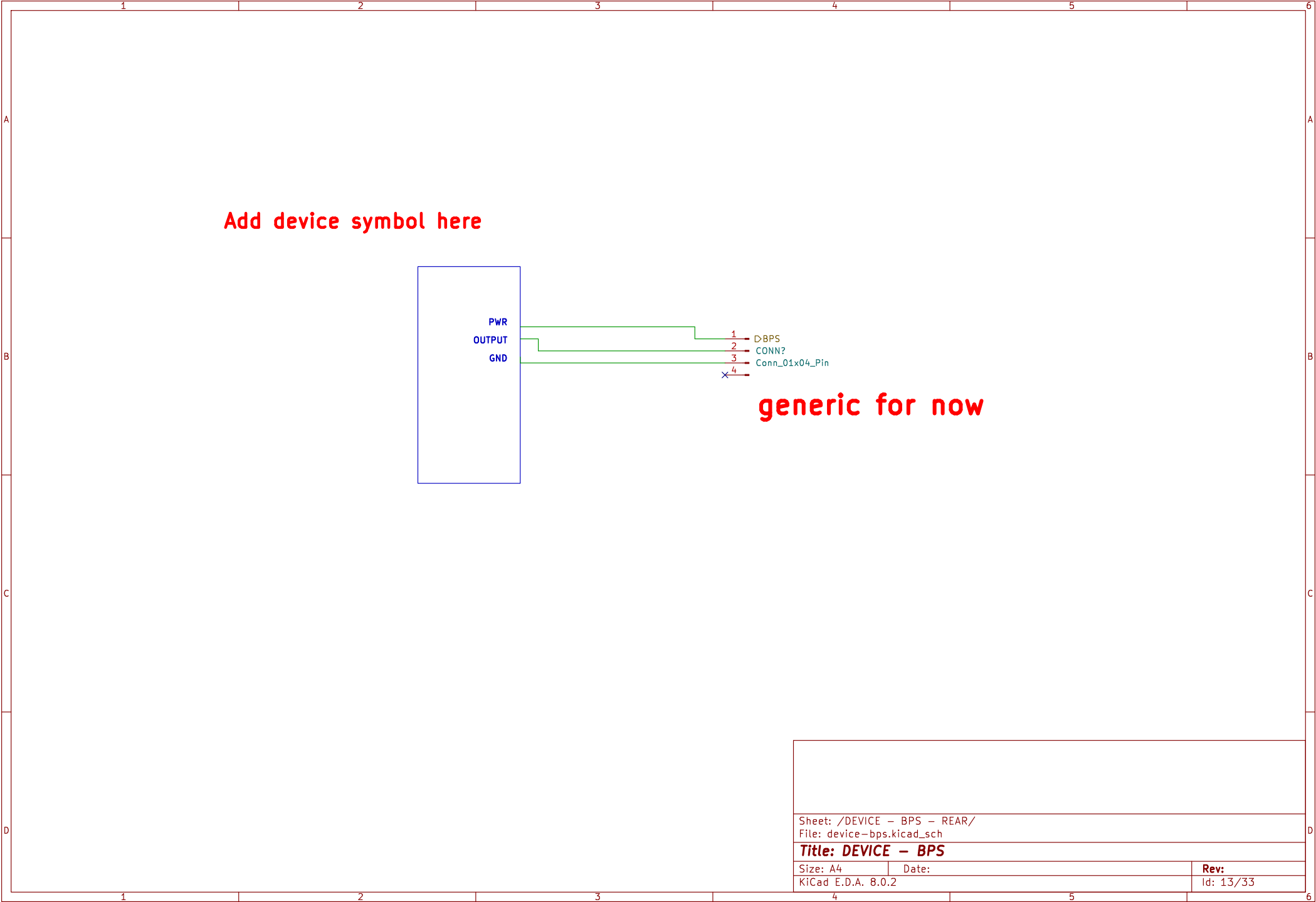


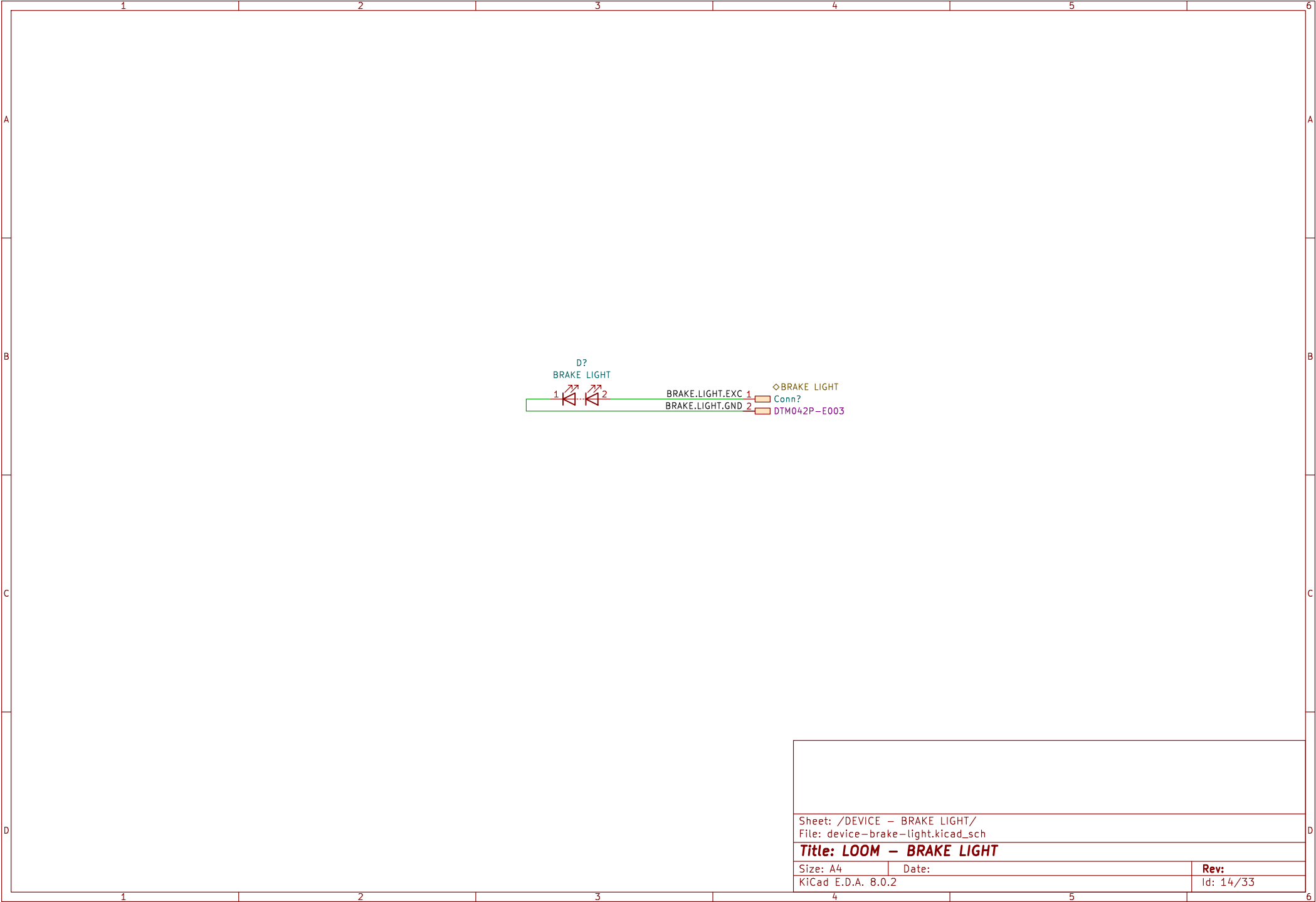
Add device symbol here



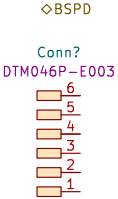
generic for now

Sheet: /DEVICE - BPS - FRONT/ File: device-bps.kicad_sch		
Title: DEVICE - BPS		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.2	Id: 12/33	





EXC
GND
CT
BPS
SHUT.IN
SHUT.OUT



Sheet: /DEVICE - BSPD/
File: device-bspd.kicad_sch

Title: DEVICE - BSPD

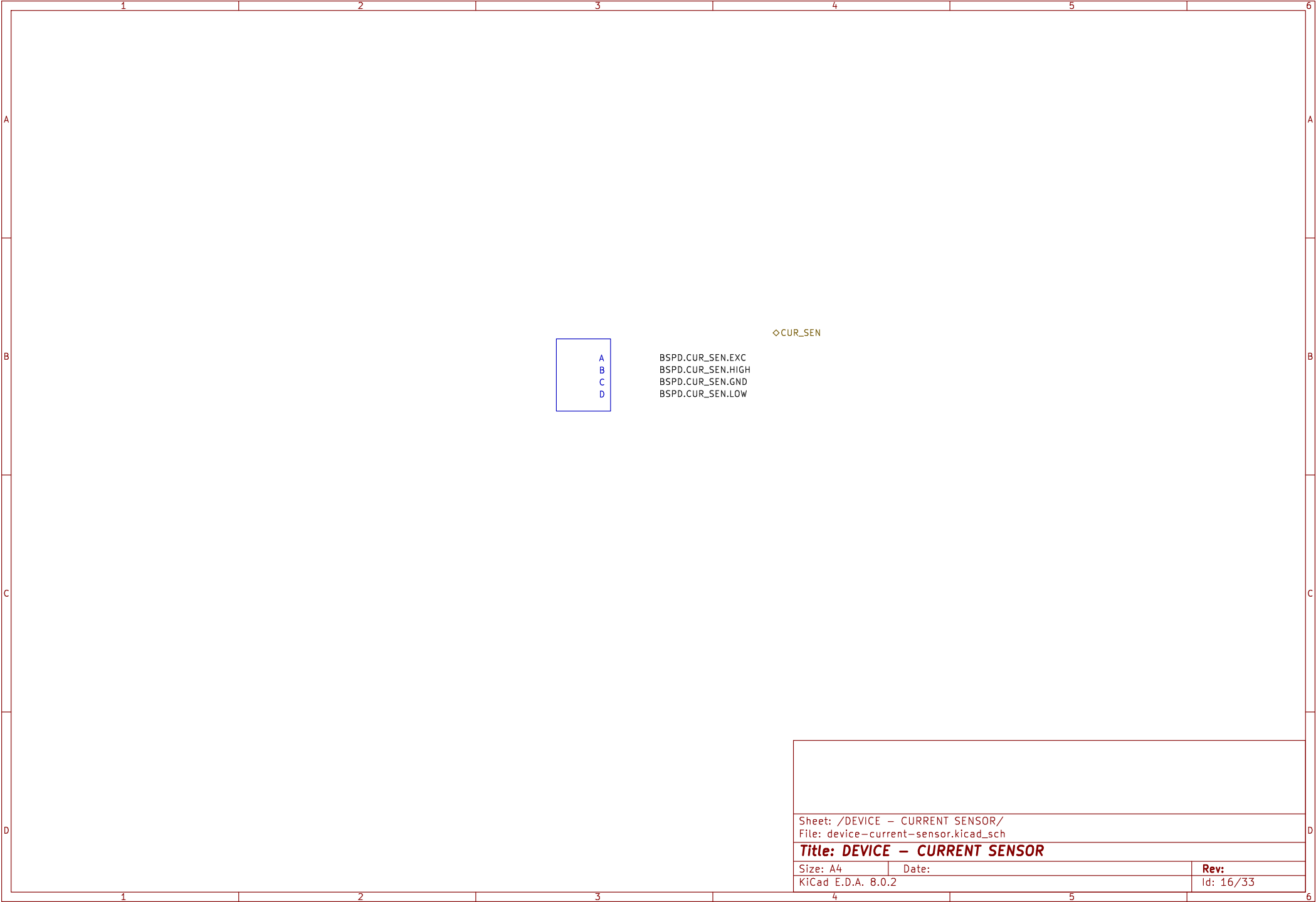
Size: A4

Date:

KiCad E.D.A. 8.0.2

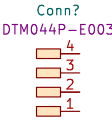
Rev:

Id: 15/33

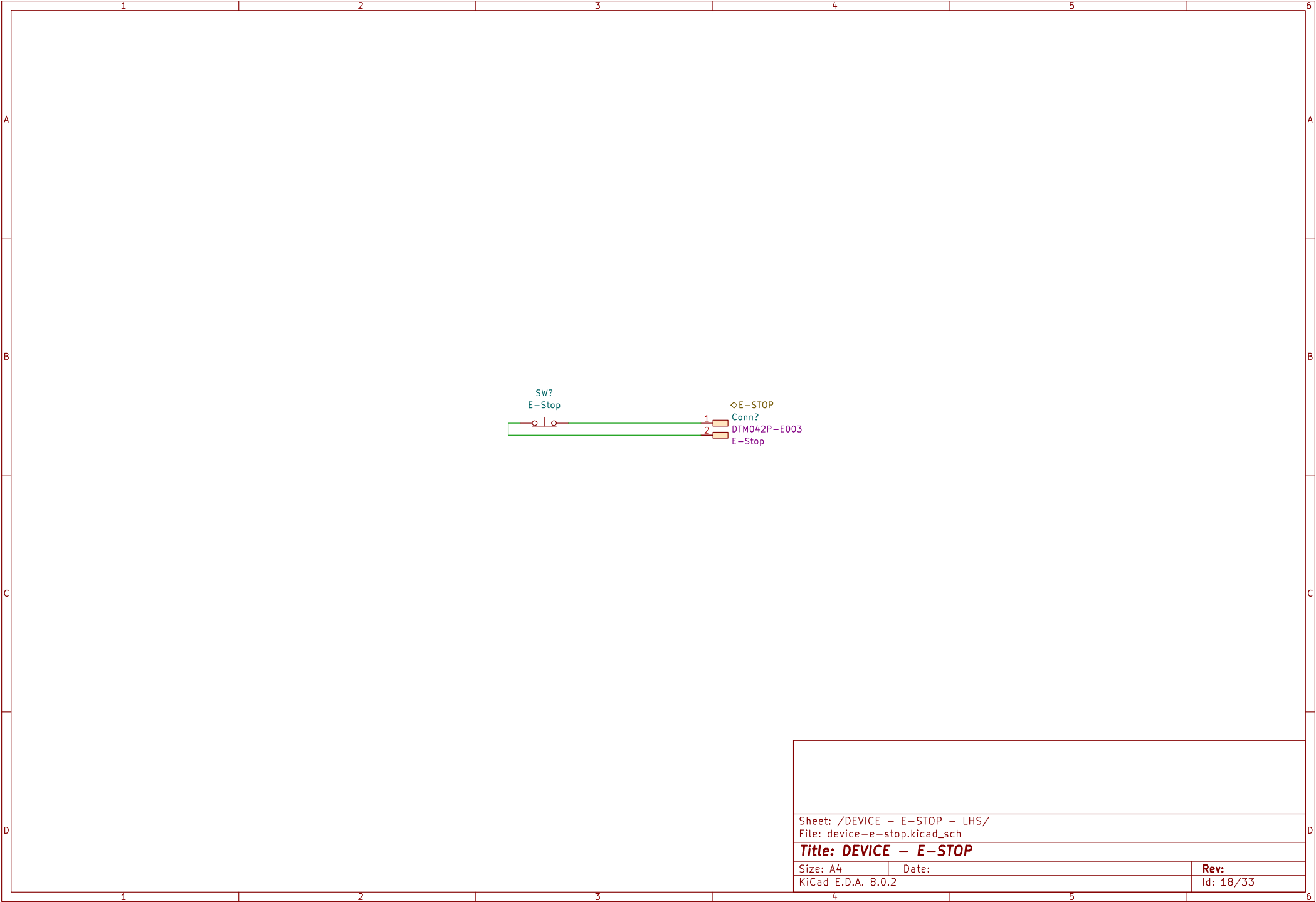


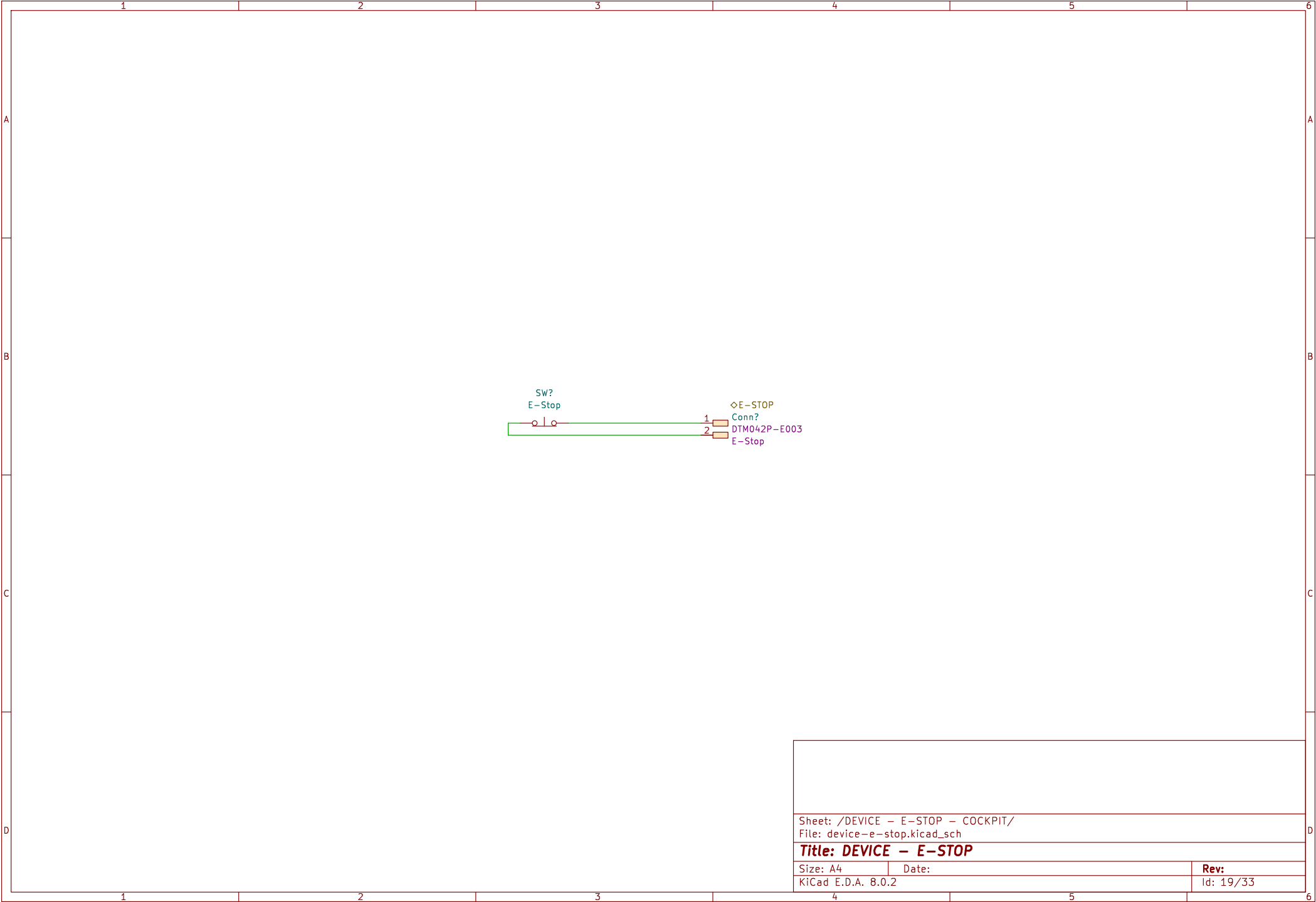
	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								

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-dashboar.kicad_sch		
Title: DEVICE - DASHBOARD		
Size: A3	Date:	Rev:
KiCad E.D.A. 8.0.2		Id: 17/33

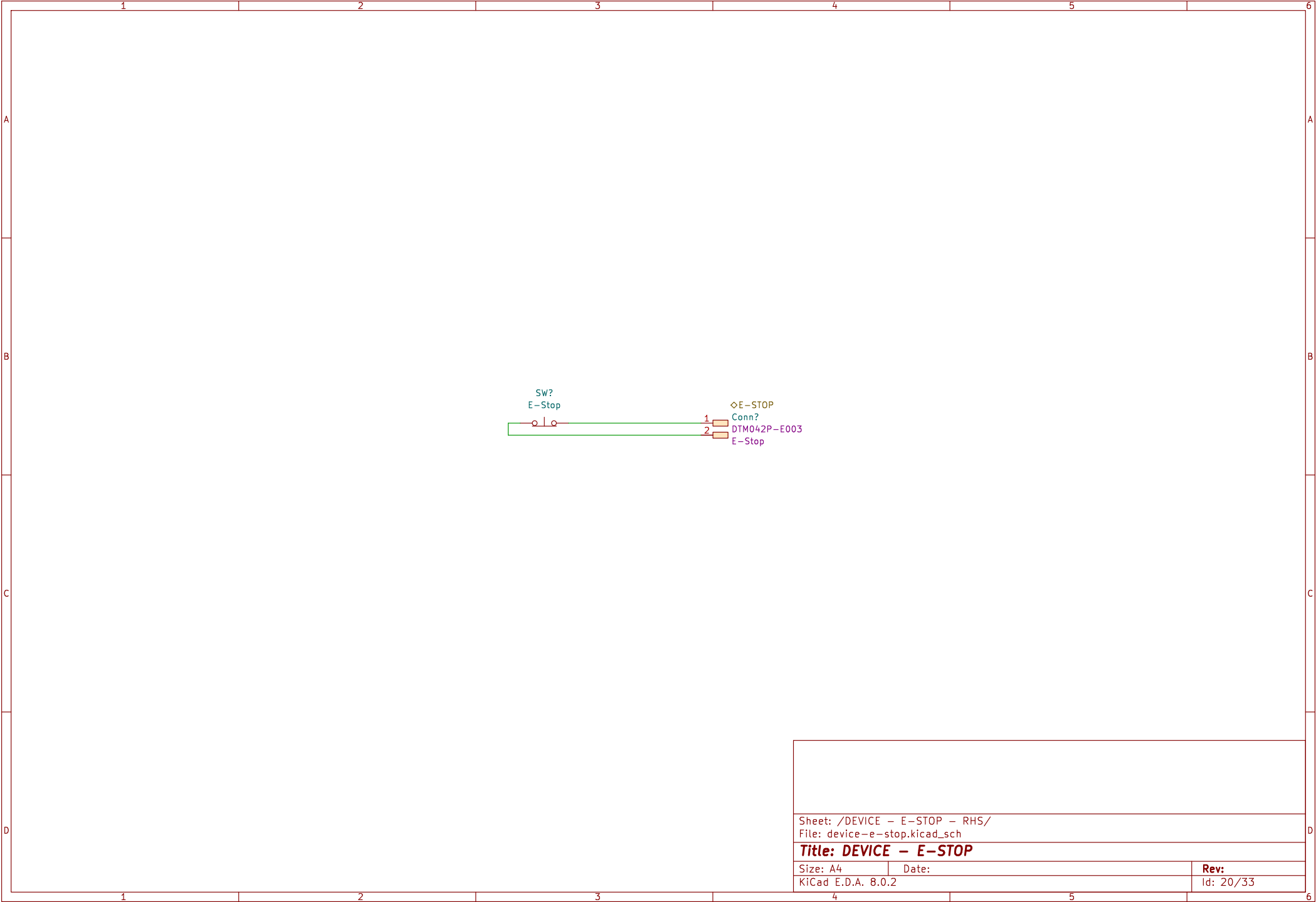




Sheet: /DEVICE - E-STOP - COCKPIT/
File: device-e-stop.kicad_sch

Title: DEVICE - E-STOP

Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.2		Id: 19/33



Sheet: /DEVICE - E-STOP - RHS/ File: device-e-stop.kicad_sch		
Title: DEVICE - E-STOP		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.2		Id: 20/33

SHUT.GND
PEDALBOX.GND
DASHBOX.GND
PDM.GND
PDM.GND
LV.LED.GND
SPARE.GND
INV.GND
INV.GND
ACCUMULATOR.GND
ACCUMULATOR.GND
TSAL.GND
LATCHING.GND
SIDE-PANEL.GND
FAN.GND
BRAKE.LIGHT.GND
PUMP1.GND
PUMP2.GND
INVERTER.GND

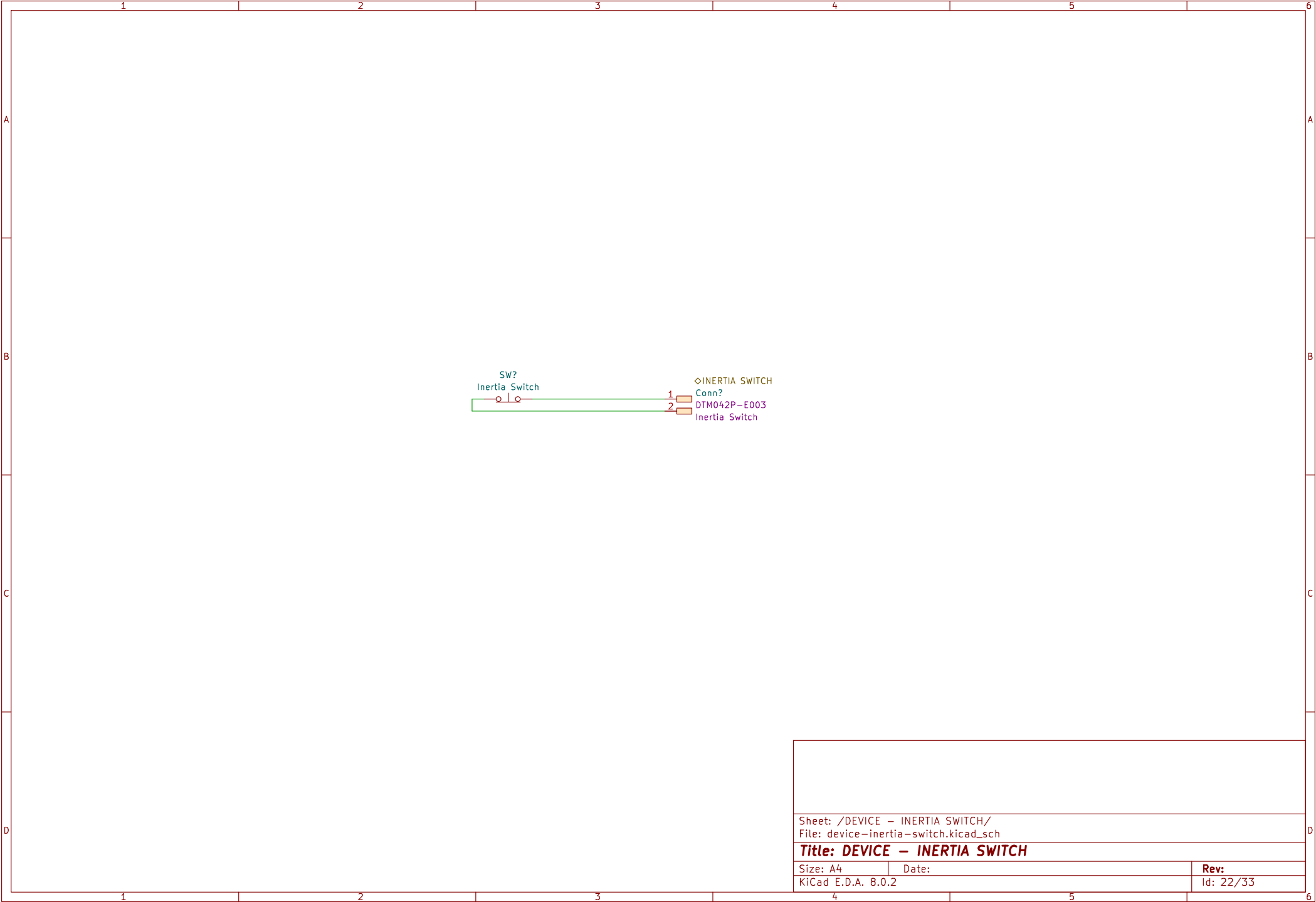
◇BATT GND
◇GND BOX

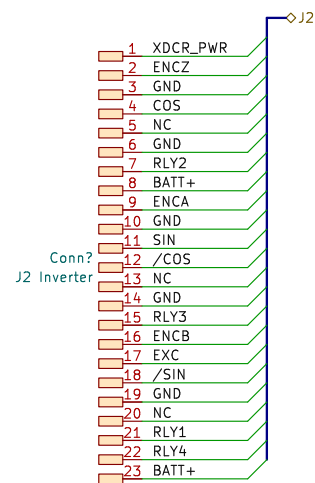
ADD GRAPHIC FOR BUSBAR

Sheet: /DEVICE - GROUND BOX/
File: device-ground-box.kicad_sch

Title: **DEVICE - GROUND BOX**

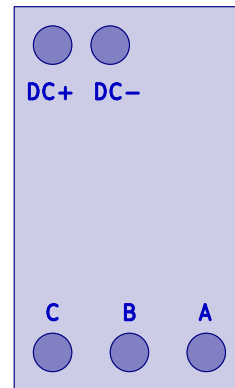
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.2		Id: 21/33





A horizontal line representing a well casing. At the left end, there is a yellow square with a red border. Inside the square, a red line extends to the right, ending in a red plug symbol. The number '1' is written above the red line. The line continues to the right as a green line, ending in a diamond symbol followed by the word 'CASING'.

- ◇PHASE.A DC+<
- ◇PHASE.B DC-<
- ◇PHASE.C

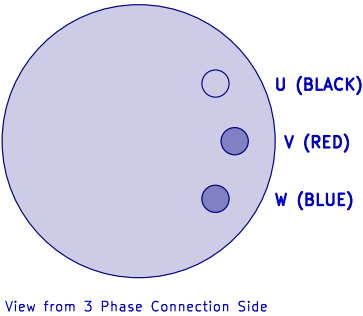
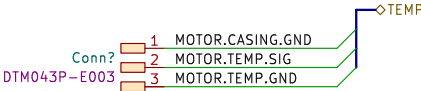
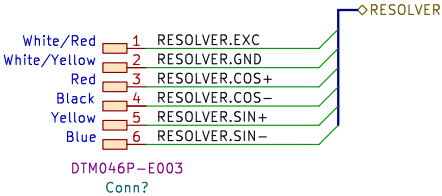


gen 2 or gen 3?
I've assumed gen 3 for now

Sheet: /DEVICE - INVERTER/		D
File: device-inverter.kicad_sch		
Title: DEVICE - INVERTER		
Size: A4	Date:	
KiCad E.D.A. 8.0.2		Id: 23/33

PHASE CONNECTIONS

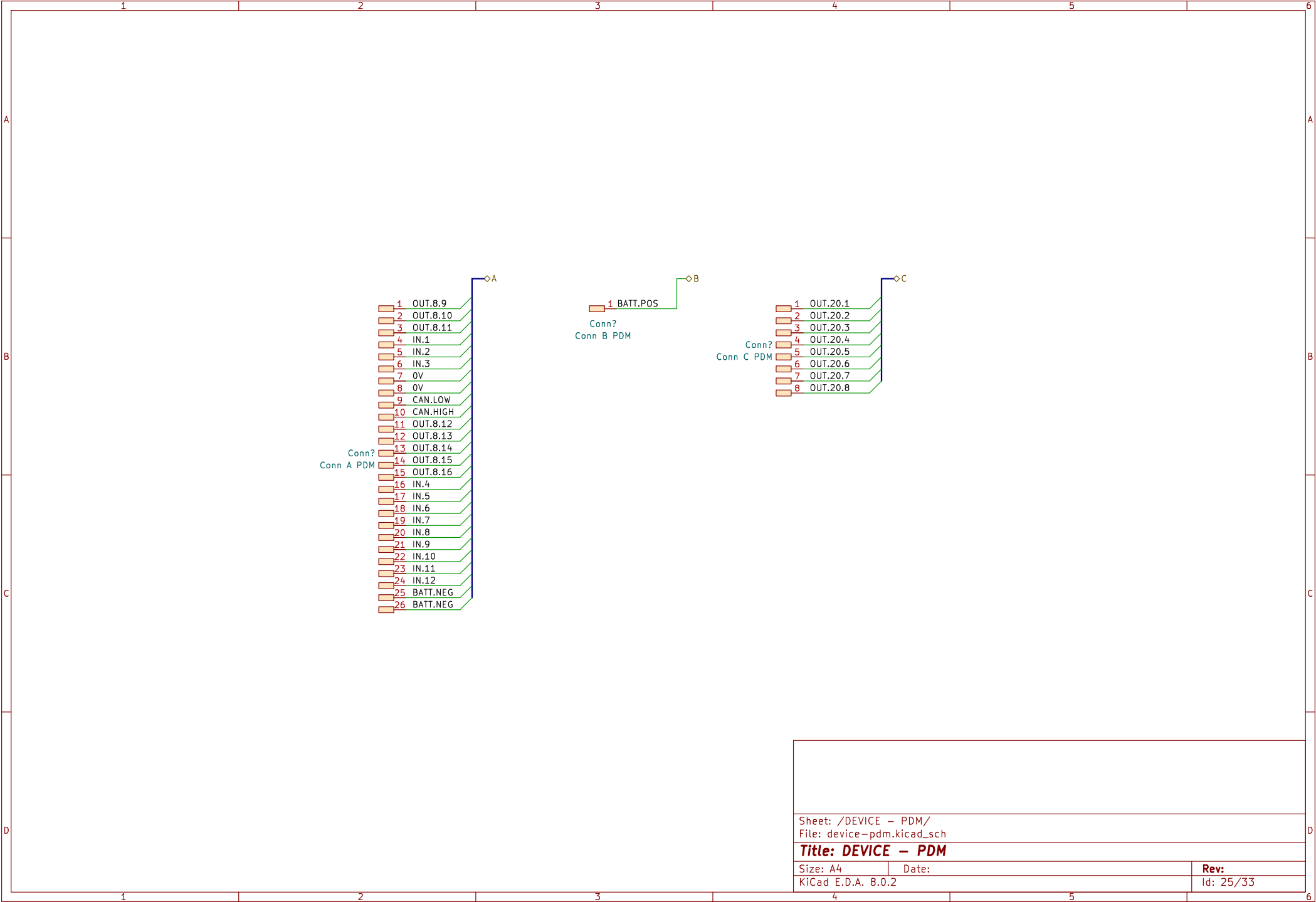
- ◇PHASE.U
- ◇PHASE.V
- ◇PHASE.W



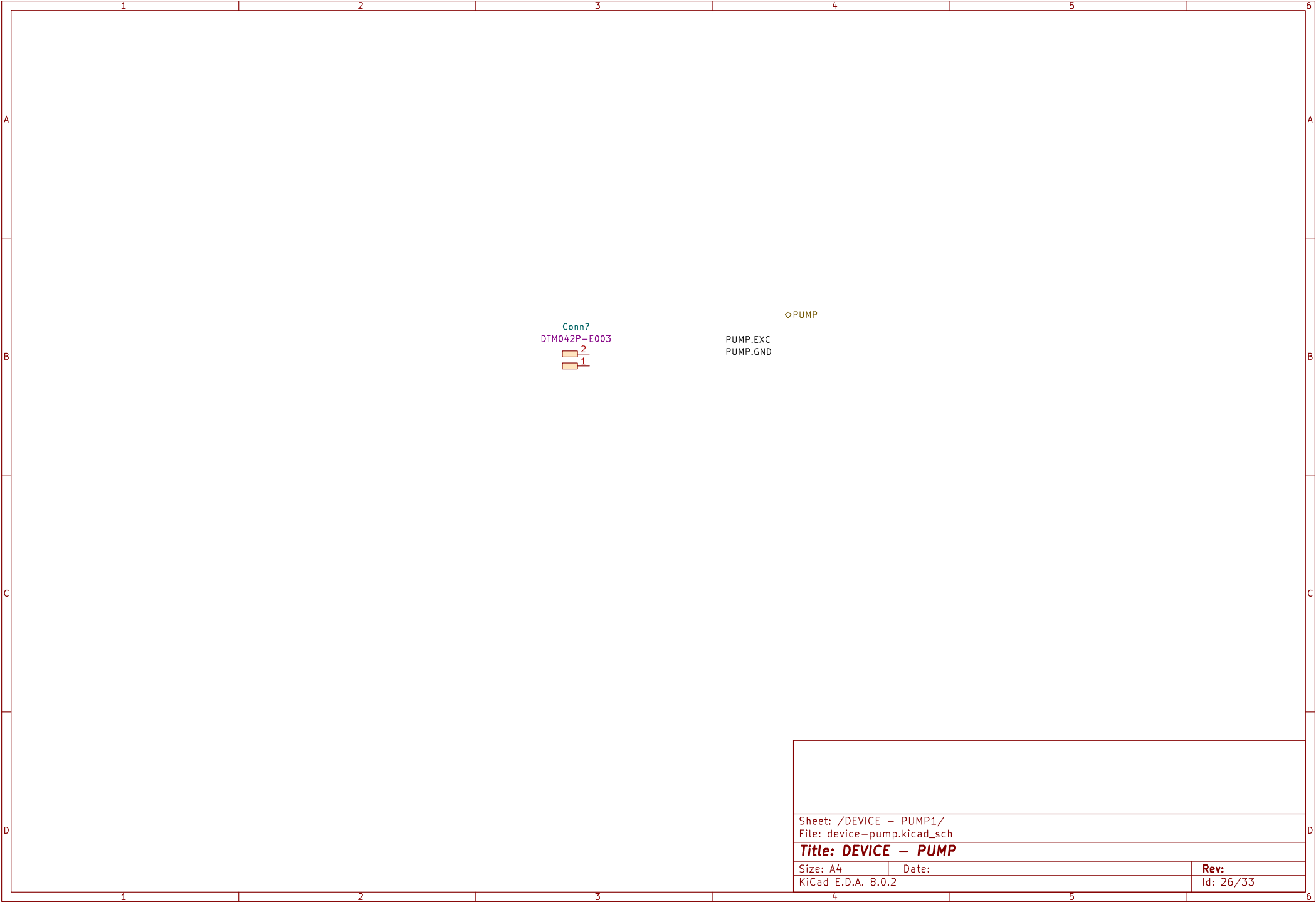
MOTOR CASING TO GROUND DIRECTLY TO
INVERTER CASING THROUGH FLYING RING
TERMINAL FROM BACK OF THIS
CONNECTOR

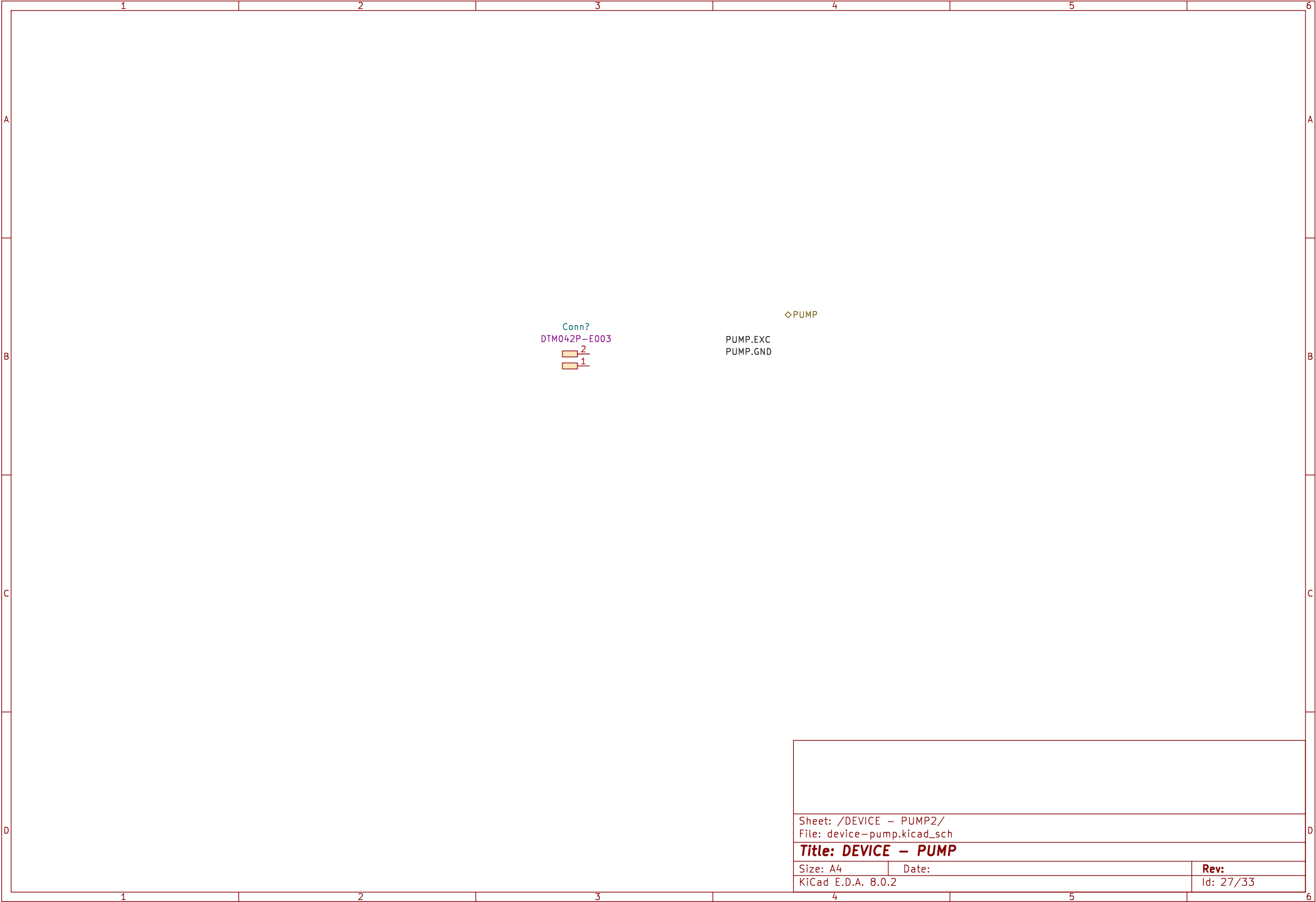
RESOLVER SHIELD GROUNDED VIA MOTOR
CASING

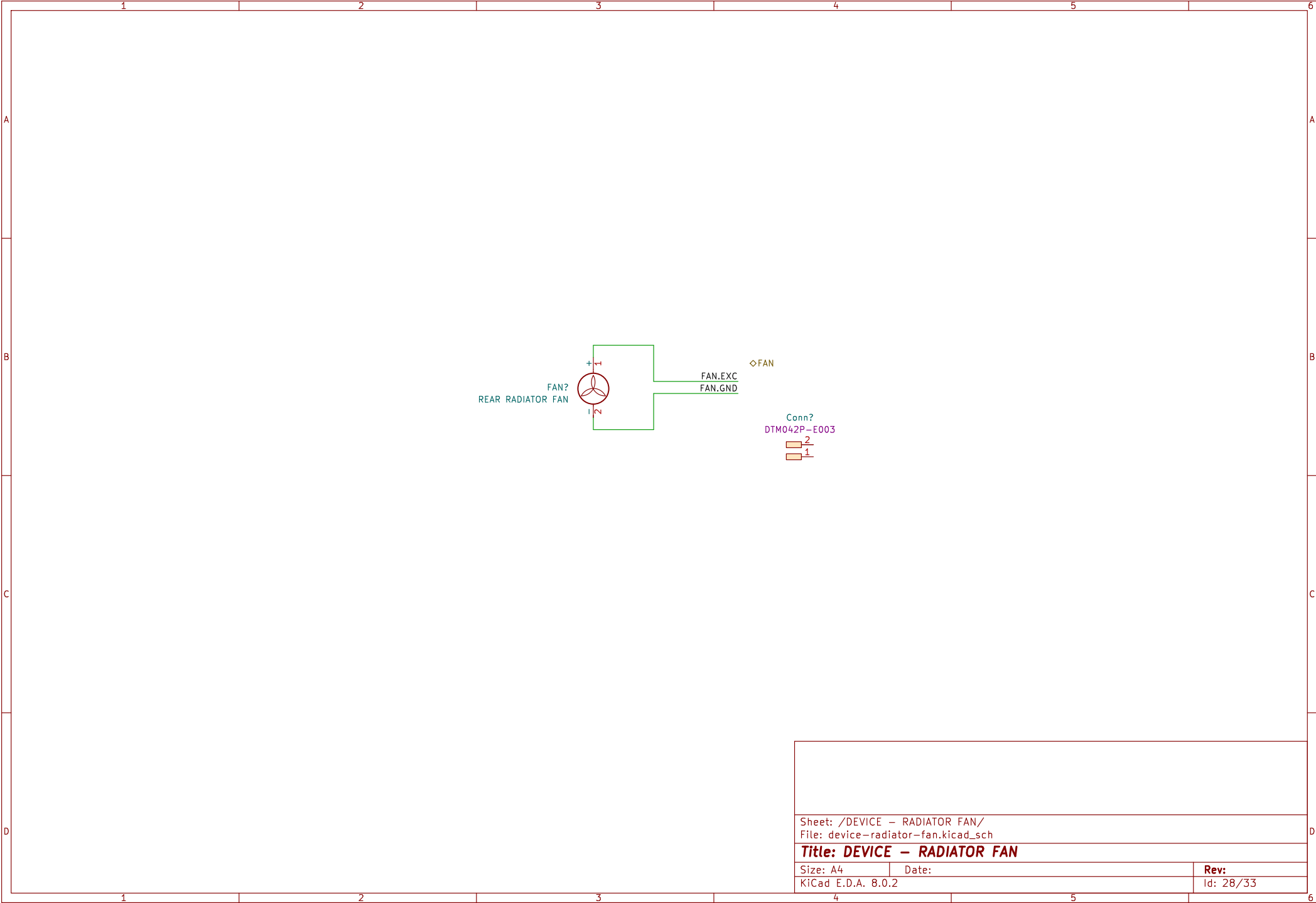
Sheet: /DEVICE - MOTOR/ File: device-motor.kicad_sch		
Title: DEVICE - MOTOR		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.2	Id: 24/33	

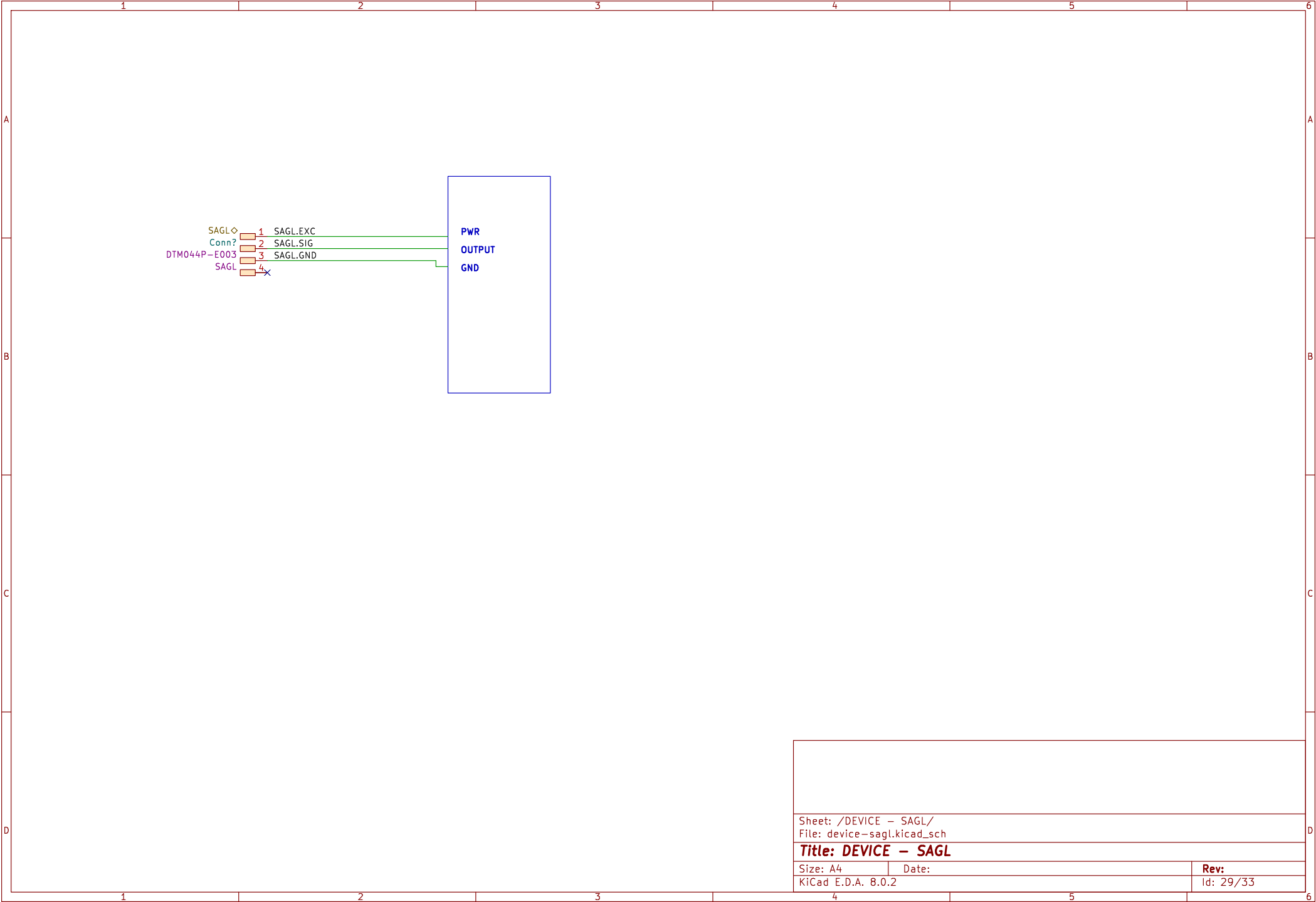


Sheet: /DEVICE - PDM/		
File: device-pdm.kicad_sch		
Title: DEVICE - PDM		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.2	Id: 25/33	

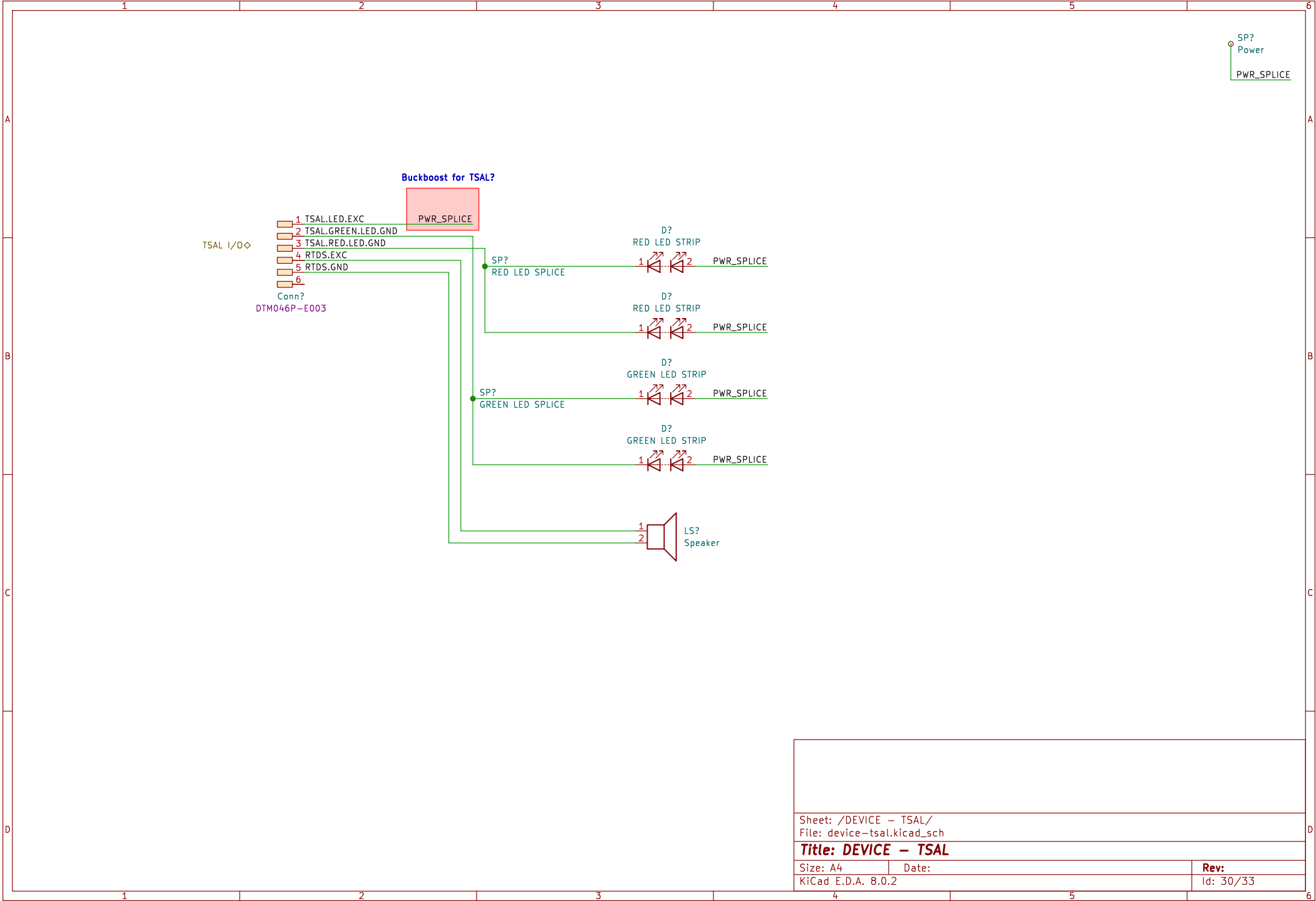








Sheet: /DEVICE - SAGL/ File: device-sagl.kicad_sch		
Title: DEVICE - SAGL		
Size: A4	Date:	Rev:
KiCad E.D.A. 8.0.2		Id: 29/33



1	2	3	4	5	6
A	<div>Charger Umbilical Separate "shore" power? Charging e-stop loop switches and LED indicators</div>				A
B					B
C					C
D	<div><div></div><div>Sheet: /LOOM - CHARGING CART/ File: loom-charging-cart.kicad_sch Title: LOOM - CHARGING CART</div><div><div>Size: A4</div><div>Date:</div><div>Rev:</div></div><div>KiCad E.D.A. 8.0.2</div><div>Id: 50/33</div></div> <td>D</td>				D
1	2	3	4	5	6

Put photos of connector pinouts here
Clearly labeled with P/N & Name etc

Should show if it's from the front or the back

Amphenol ATM

Type	#	Housing	Wedgeloock
Plug	2	ATM06-2S	AWM-2S
	3	ATM06-3S	AWM-3S
	4	ATM06-4S	AWM-4S
	6	ATM06-6S	AWM-6S
	8	ATM06-8S	AWM-8S
Receptacle	12	ATM06-12S	AWM-12S
	2	ATM04-2P	AWM-2P
	3	ATM04-3P	AWM-3P
	4	ATM04-4P	AWM-4P
	6	ATM04-6P	AWM-6P
	8	ATM04-8P	AWM-8P
	12	ATM04-12P	AWM-12P

Size 20	Pin	AT60-202-20141
	Socket	AT62-201-20141
Size 16	Pin	AT60-202-16141
	Socket	AT62-201-16141

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

APPS Accelerator Pedal Position Sensor
BPS Brake Pressure Sensor

Sheet: /ACRONYMS/ File: acronyms.kicad_sch		
Title: MISC – ACRONYMS		
Size: A3	Date:	Rev:
KiCad E.D.A. 8.0.2	Id: 99/33	