

Steeringwheel Connector

IndR	Off 0V, On 3.3V
IndL	Off 0V, On 3.3V
LED_IndR	Off 0V, On 3.3V
LED_IndL	Off 0V, On 3.3V
LED_DriveLight	Off 0V, On 3.3V
LED_FrontLight	Off 0V, On 3.3V

HornD Off 0V, On 3.3V

Date: conn_steeringwheel.kicad_sch

Switchboard Connector

DriveLightD	Off 0V, On 3.3V
FrontLightD	Off 0V, On 3.3V
BreakLightD	Off 0V, On 3.3V
RearViewD	Off 0V, On 3.3V
SpareSwitchD	Off 0V, On 3.3V
DC_EnabledD	Off 0V, On pulled to 12V
AC_EnabledD	Off 0V, On pulled to 12V

Date: conn_switchboard.kicad_sch

J1 Spare Input
1 Off 0V, On 3.3V
2

GND

J9 Contactor
1 Off 0V, On 12V
2 Negative -0V

J10 +12V Power Input
1
2
3
4
GND
C25 C_Polarized

Blinker Logic

ContactorAct	GreenLight_1Hz	Off 0V, On 3.3V@1Hz
IndR	IndR_1Hz	Off 0V, On 3.3V@1Hz
IndL	IndL_1Hz	Off 0V, On 3.3V@1Hz

Date: blinklogic.kicad_sch

Power

In12	Out2	Off 0V, On 12V
In2	Out3	Off 0V, On 12V
In3	Out4	Off 0V, On 12V
	Out5	Off 0V, On 12V
	Out6	Off 0V, On 12V
	Out7	Off 0V, On 12V
	Out10	Off 0V, On 12V
	Out11	Off 0V, On 12V
	Out12	Off 0V, On 12V
In1	Out1	Off 0V, On 12V
In6		
In10		
In4		
In5		
In7		
In8		
In9		
In11	Out9	Off 0V, On 12V
	Out8	Off 0V, On 12V

Date: power.kicad_sch

7
6
5
4
3
2
1
J2 Deck1

7
6
5
4
3
2
1
J6 Deck2

GND 2
1
GND 4
3
2
1
J5 Spare

GND 4
3
2
1
J3 AC/DC Power

GND

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole



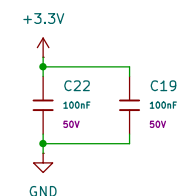
Solar Energy Racers

Sheet: /
File: ChassisBoard.kicad_sch

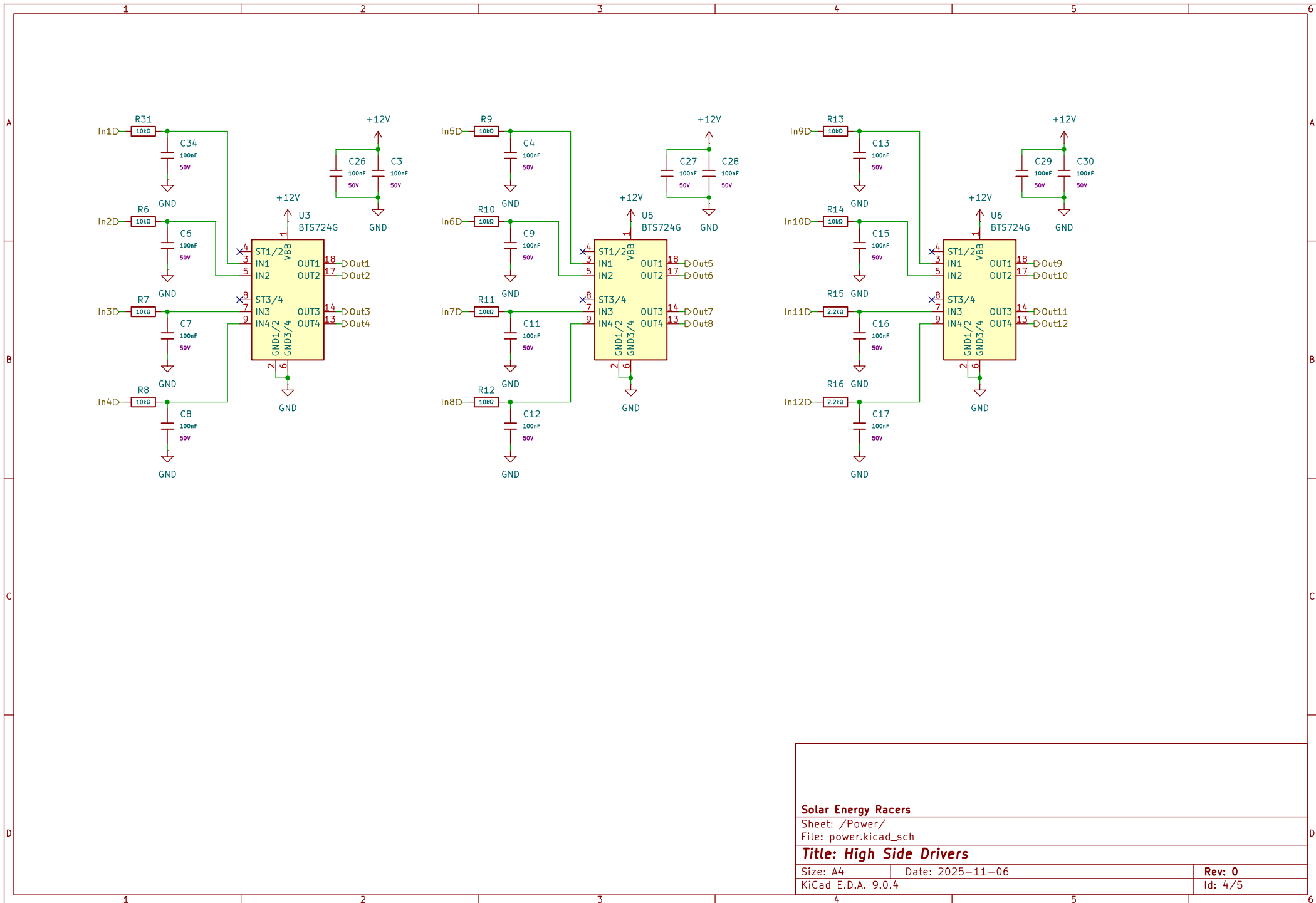
Title: ChassisBoard

Size: A4 Date: 2025-11-06
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Rev: 0
Id: 1/5



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Sheet: /Power/
File: power.kicad_sch

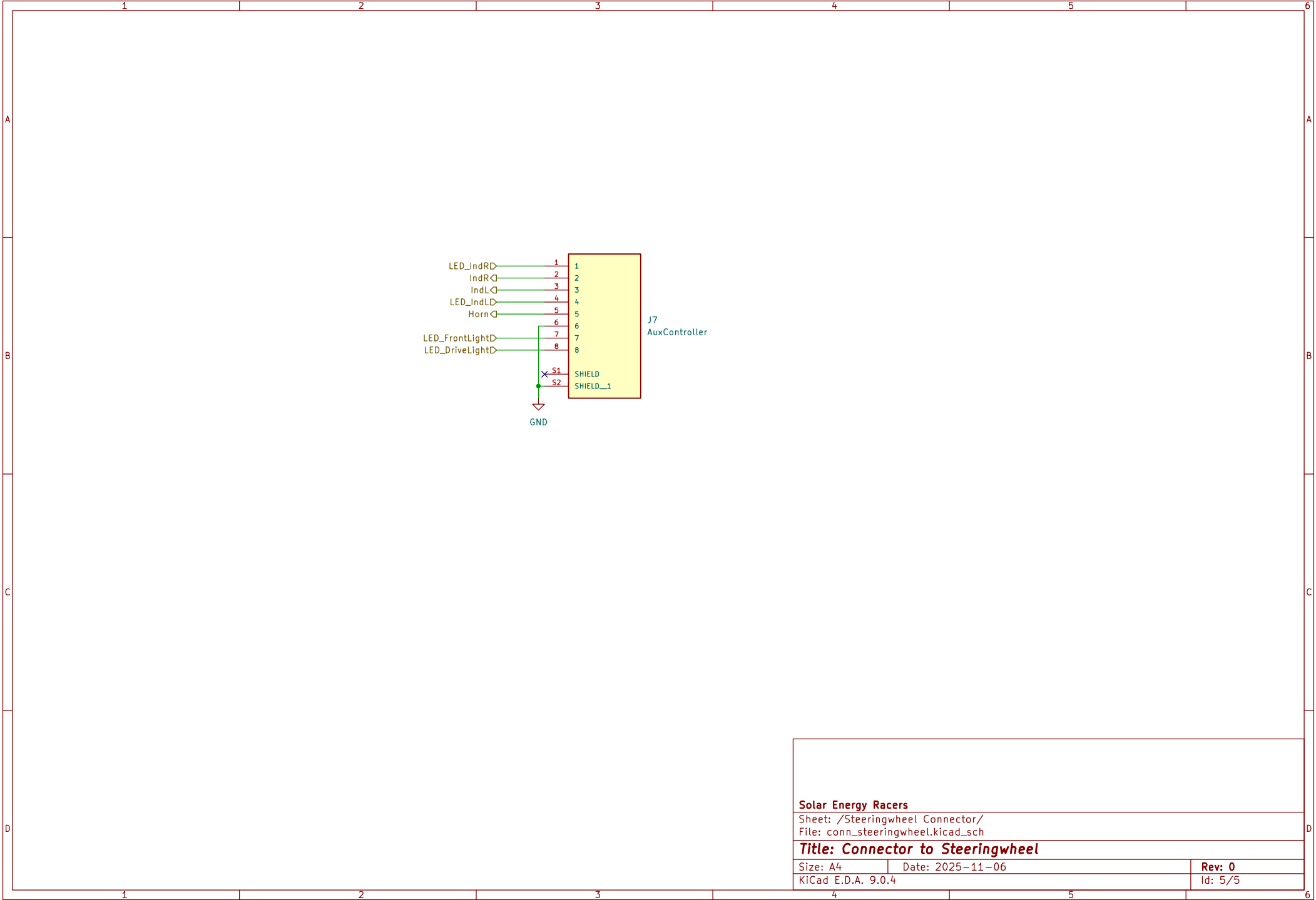
Title: High Side Drivers

Size: A4 | Date: 2025-11-06

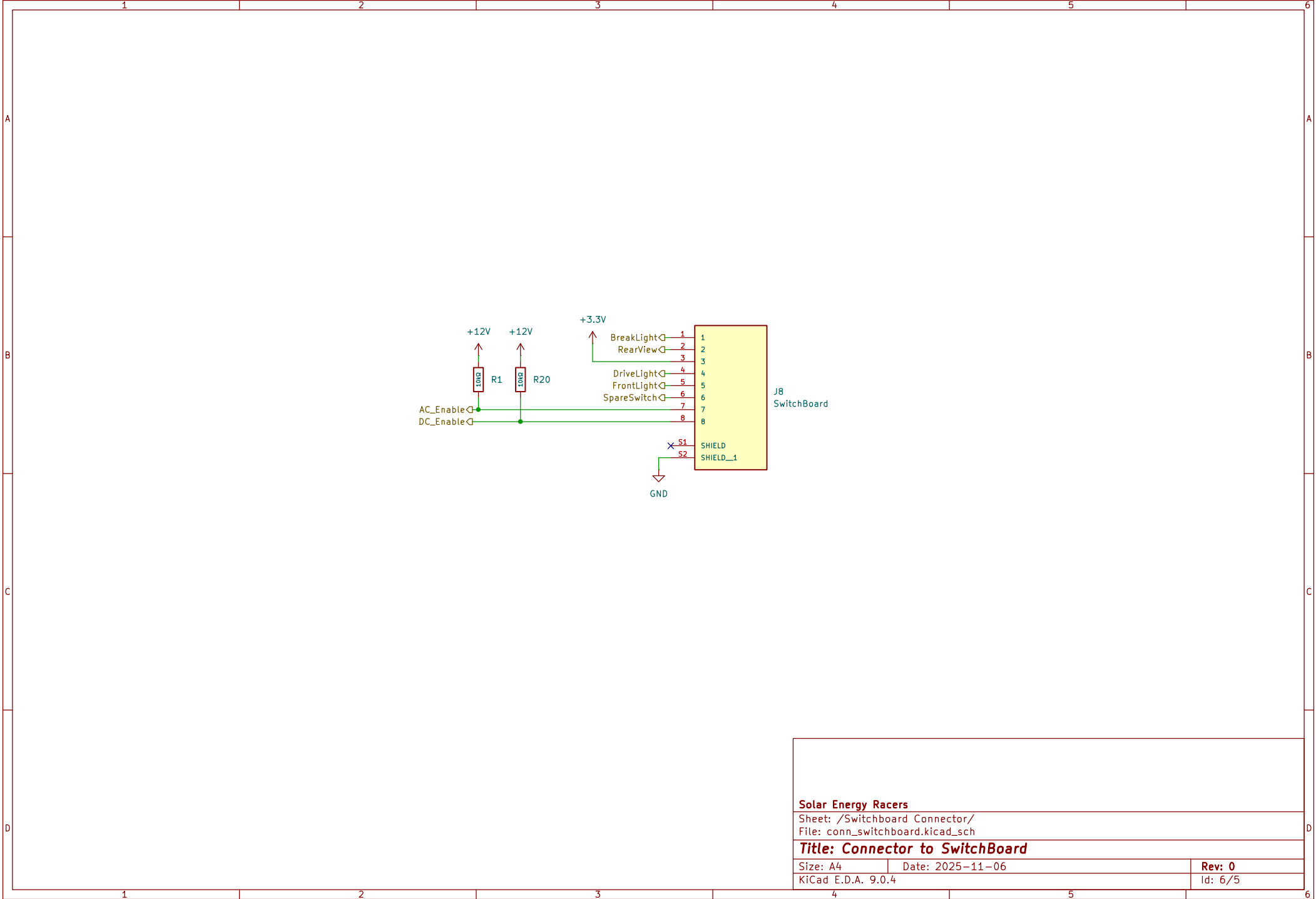
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Rev: 0

Id: 4/5



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Sheet: /Steeringwheel Connector/ File: conn_steeringwheel.kicad_sch		
Title: Connector to Steeringwheel		
Size: A4	Date: 2025-11-06	Rev: 0
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Sheet: /Switchboard Connector/ File: conn_switchboard.kicad_sch		
Title: Connector to SwitchBoard		
Size: A4	Date: 2025-11-06	Rev: 0
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