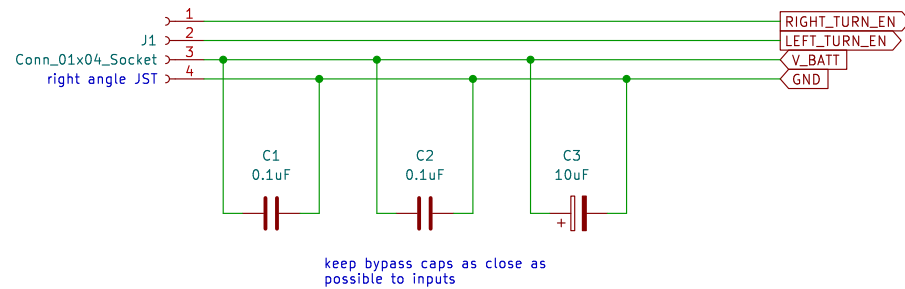


V\_BATT and GND are both inputs coming from the rear light unit via a multi-core cable routed from the rear of the bike to the handlebars. RIGHT\_TURN\_EN and LEFT\_TURN\_EN are the two turn signal enables. These outputs are routed from the control box to the rear light unit via the same cable.



Both turn signal switches are normally tied to ground when they are not pressed. When one is pressed, the corresponding turn signal enable signal will be tied to V\_BATT until the switch is pressed again. This will also power the corresponding yellow LED on the box to indicate to the user that the turn signal is currently on.



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**Title: FarrhadTech Rear Lights Unit Control Box**

Size: A4 Date: 2025-03-18

KiCad E.D.A. 8.0.8

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