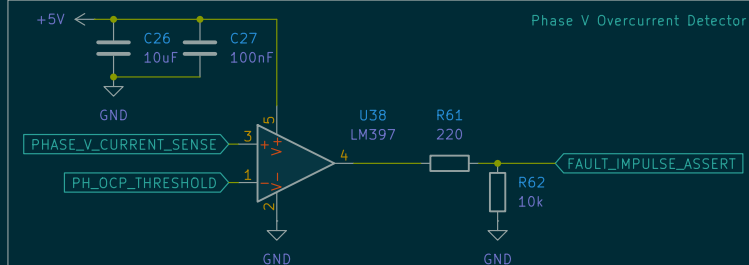
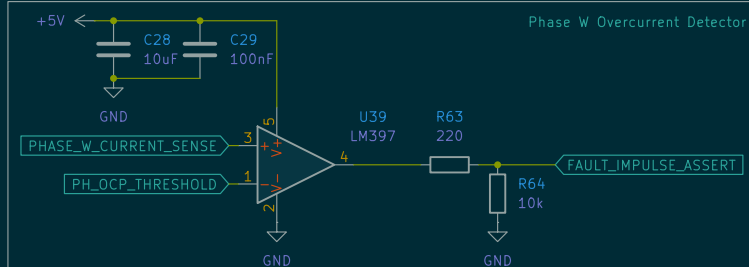
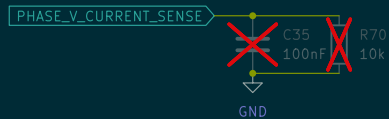


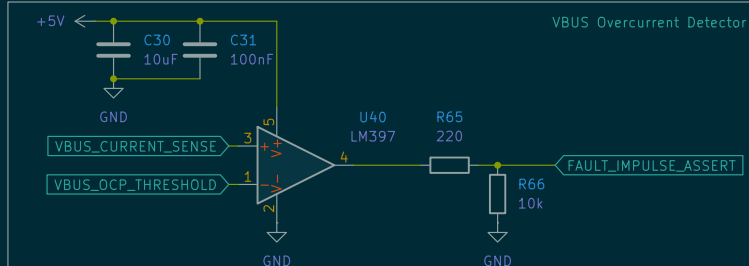
Current Sense Optional Filtering



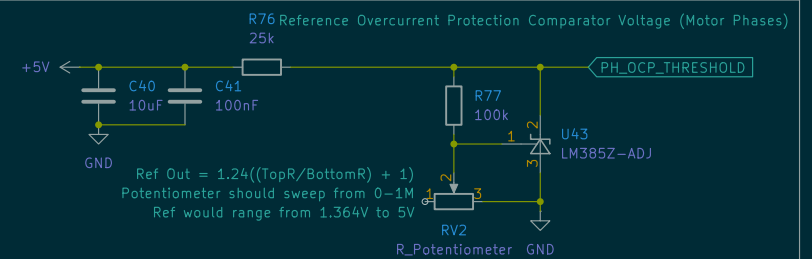
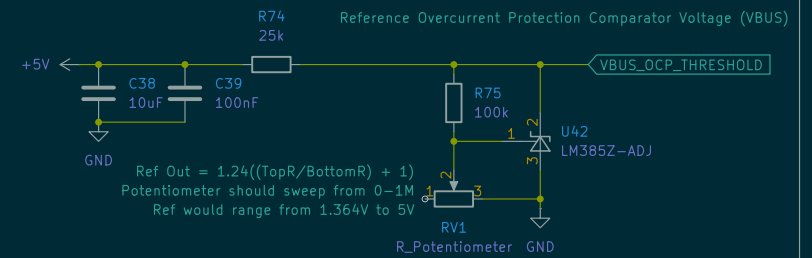
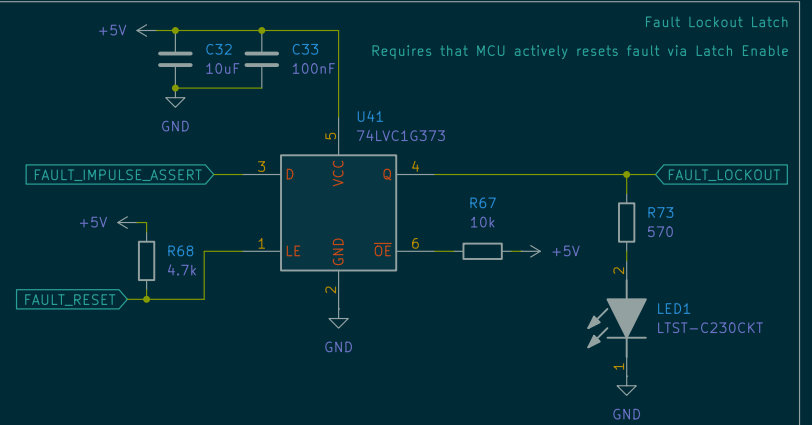
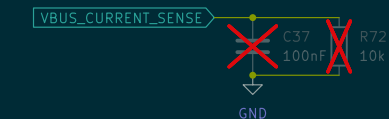
Current Sense Optional Filtering



Current Sense Optional Filtering



Current Sense Optional Filtering



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Sheet: /Fault Detector/

File: FaultDetector.kicad_sch

Title: 1200V, 600A Traction Inverter

Size: A4

Date: 2025-02-06

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Rev: 1

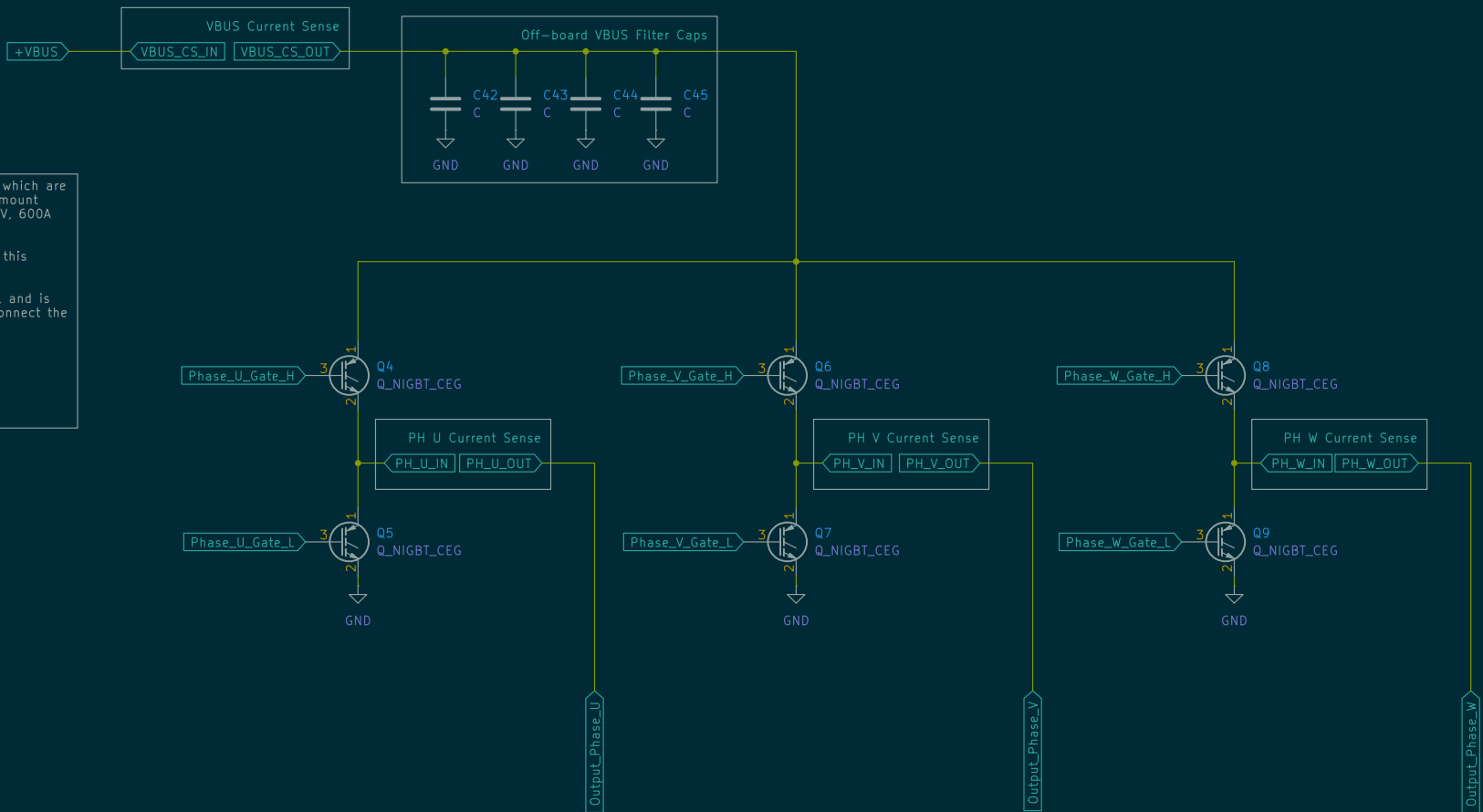
Id: 6/9

Note: This page shows mostly off-board components, and is shown only as a reference for the large power section.

The IGBT gates here are fed by driver boards which are not shown in this schematic – these boards mount directly on the modules (CM600HA–24H 1200V, 600A Cont.).

Instead, there are connectors which run from this control board to the gate drivers.

Again this page is only shown as a reference, and is not part of the PCB – just showing how to connect the high power stages.



University of California, Santa Cruz

Sheet: /Power Stage/

File: PowerStages.kicad_sch

Title: 1200V, 600A Traction Inverter

Size: A4

Date: 2025-02-06

Rev: 1

KiCad E.D.A. 8.0.8

Id: 9/9