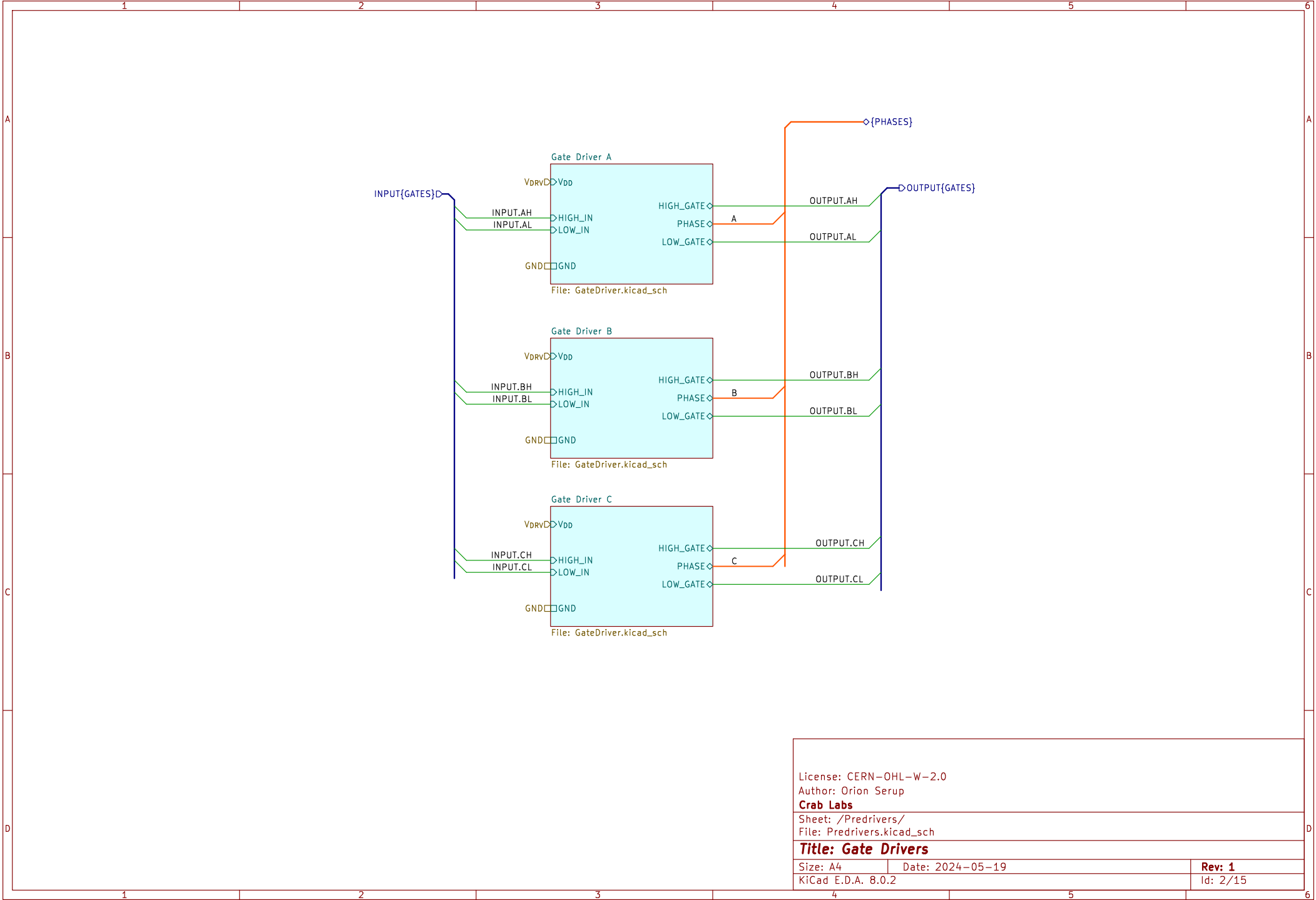


Theoretical System Ratings:
VBATT: 6–80V
IBATT: 0–73A RMS
Pmax: 4 kW



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Sheet: /Predrivers/

File: Predrivers.kicad_sch

Title: Gate Drivers

Size: A4

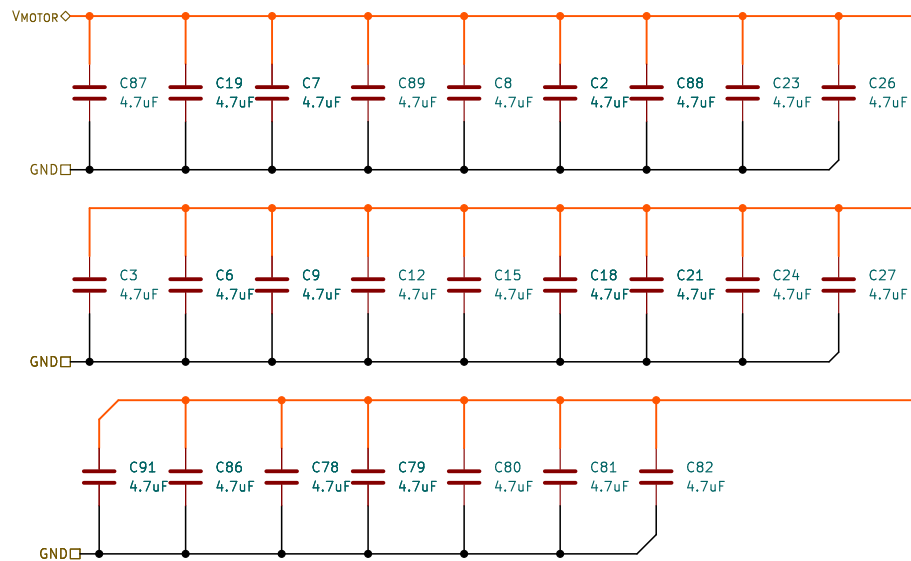
Date: 2024-05-19

Rev: 1

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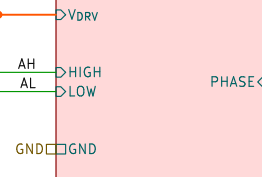
Id: 2/15

Bulk Capacitors

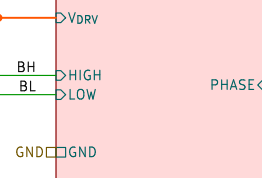


{GATES}

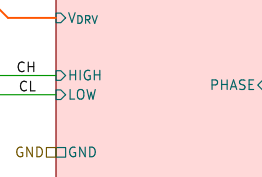
Phase Driver A



Phase Driver B



Phase Driver C



DOUT{PHASES}

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Author: Orion Serup

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Sheet: /Drivers/

File: Drivers.kicad_sch

Title: Phase Drivers

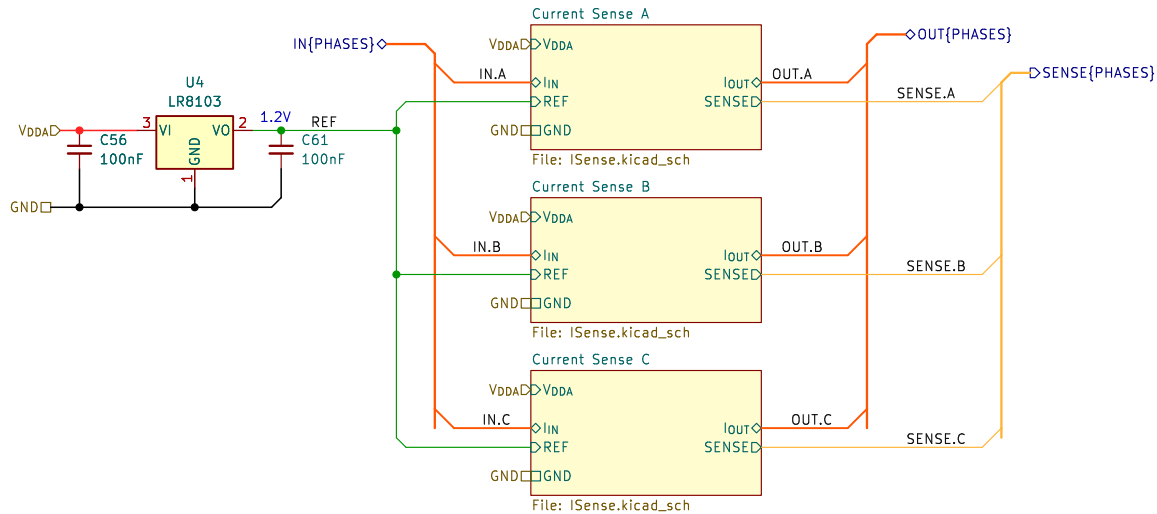
Size: A4

Date: 2024-05-19

Rev: 1

KiCad E.D.A. 8.0.2

Id: 3/15



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Author: Orion Serup

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Sheet: /Phase Current Sensors/

File: CurrentSensors.kicad_sch

Title: Phase Current Sensors

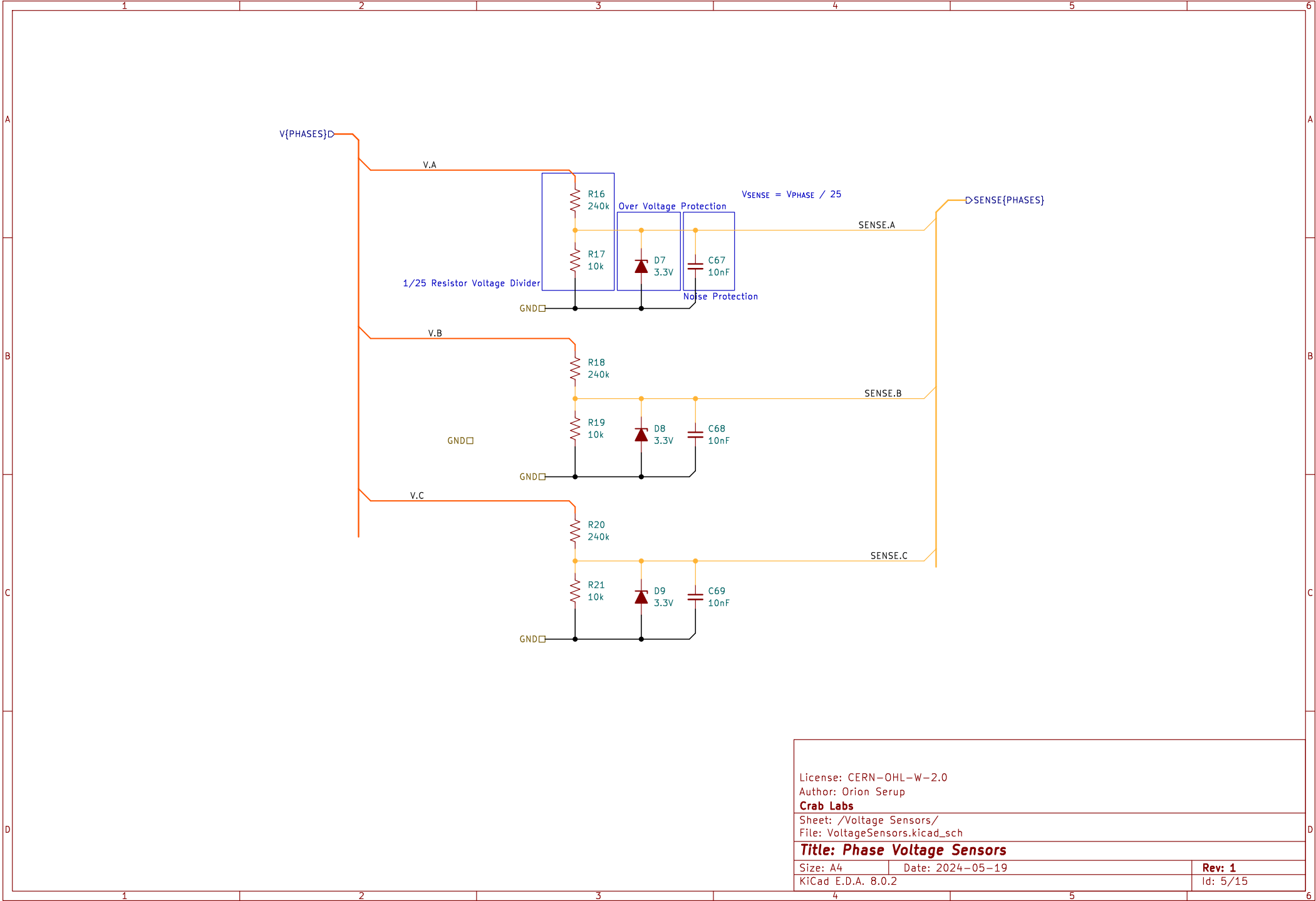
Size: A5

Date: 2024-05-19

Rev: 1

KiCad E.D.A. 8.0.2

Id: 4/15



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Author: Orion Serup

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Sheet: /Voltage Sensors/
File: VoltageSensors.kicad_sch

Title: Phase Voltage Sensors

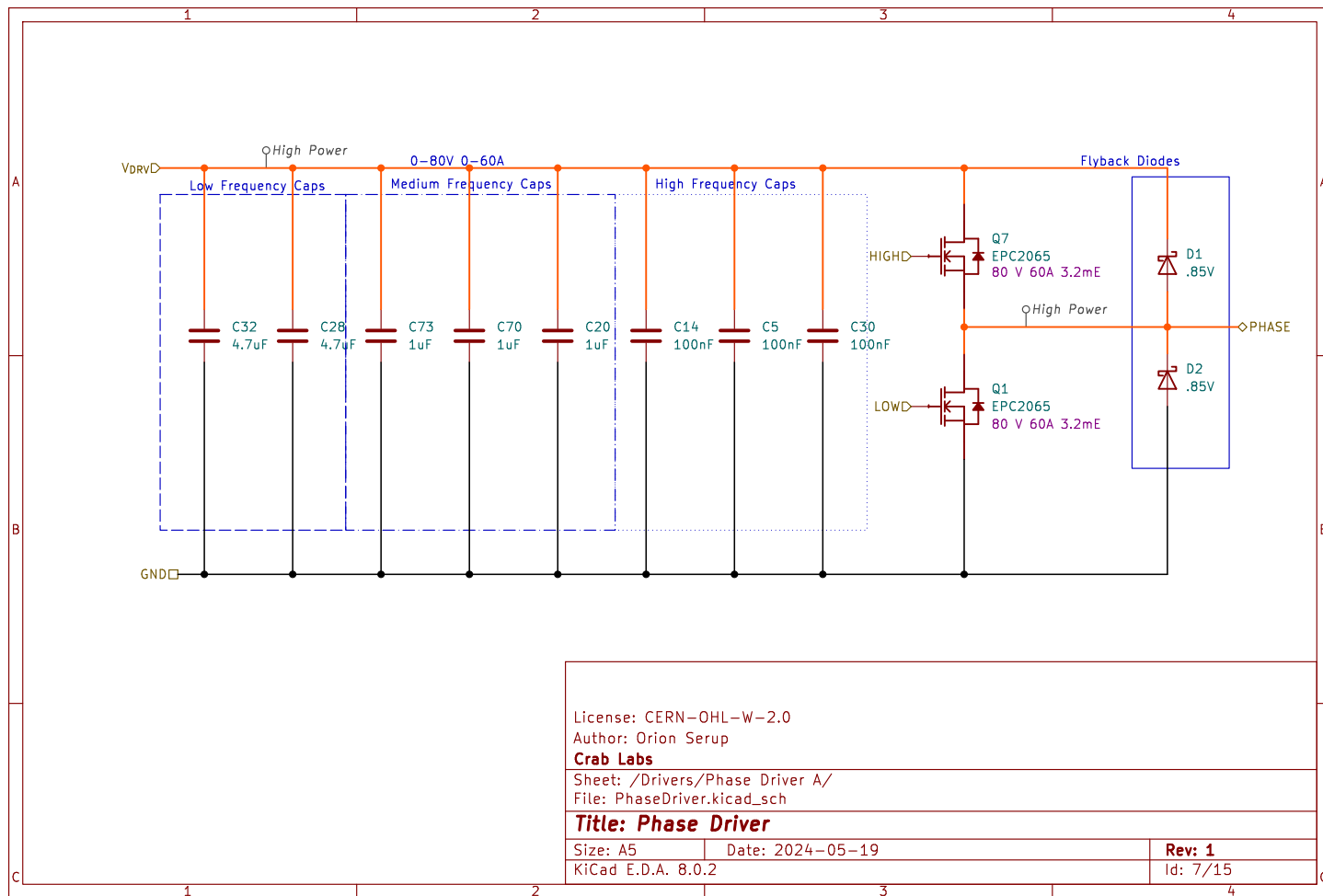
Size: A4

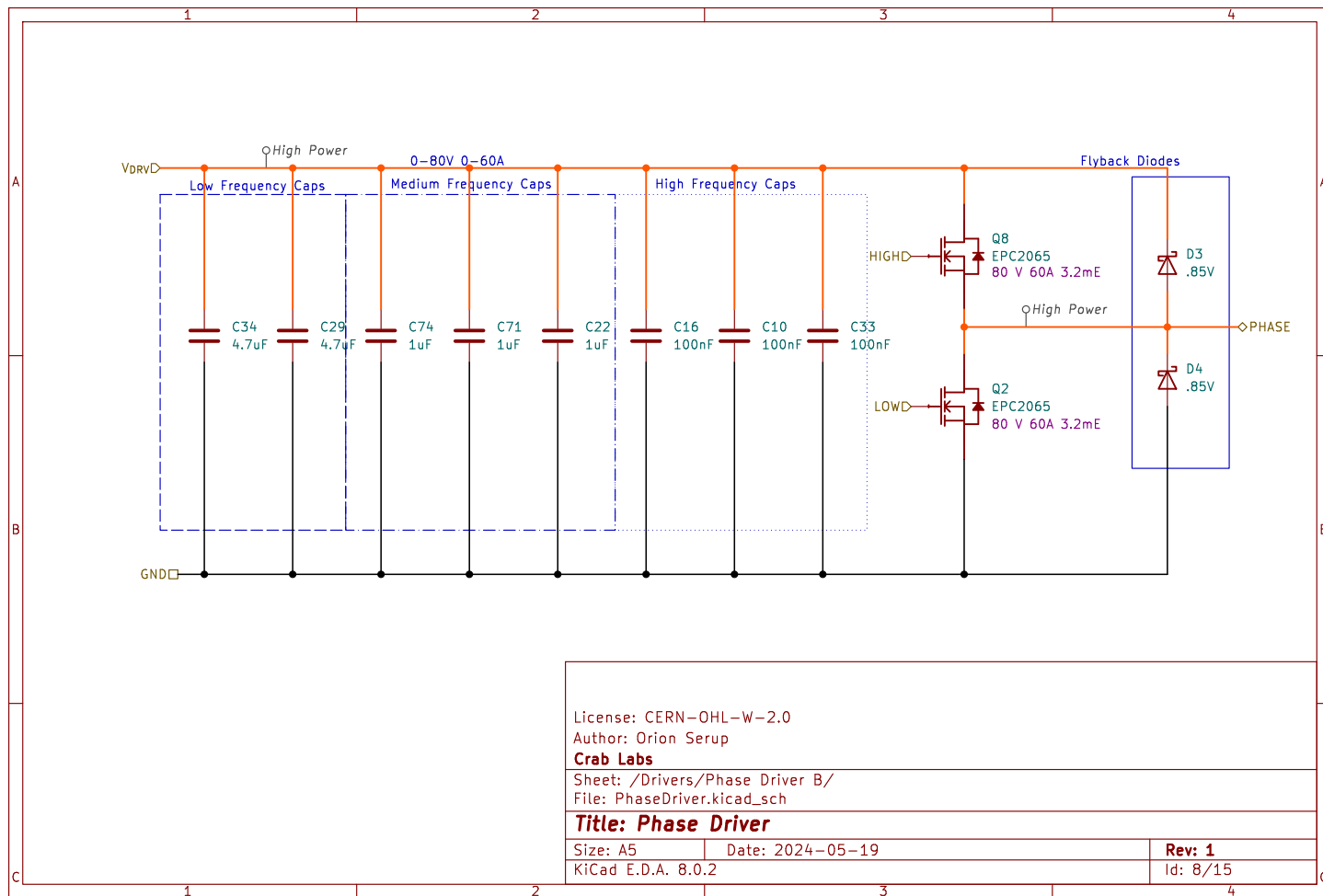
Date: 2024-05-19

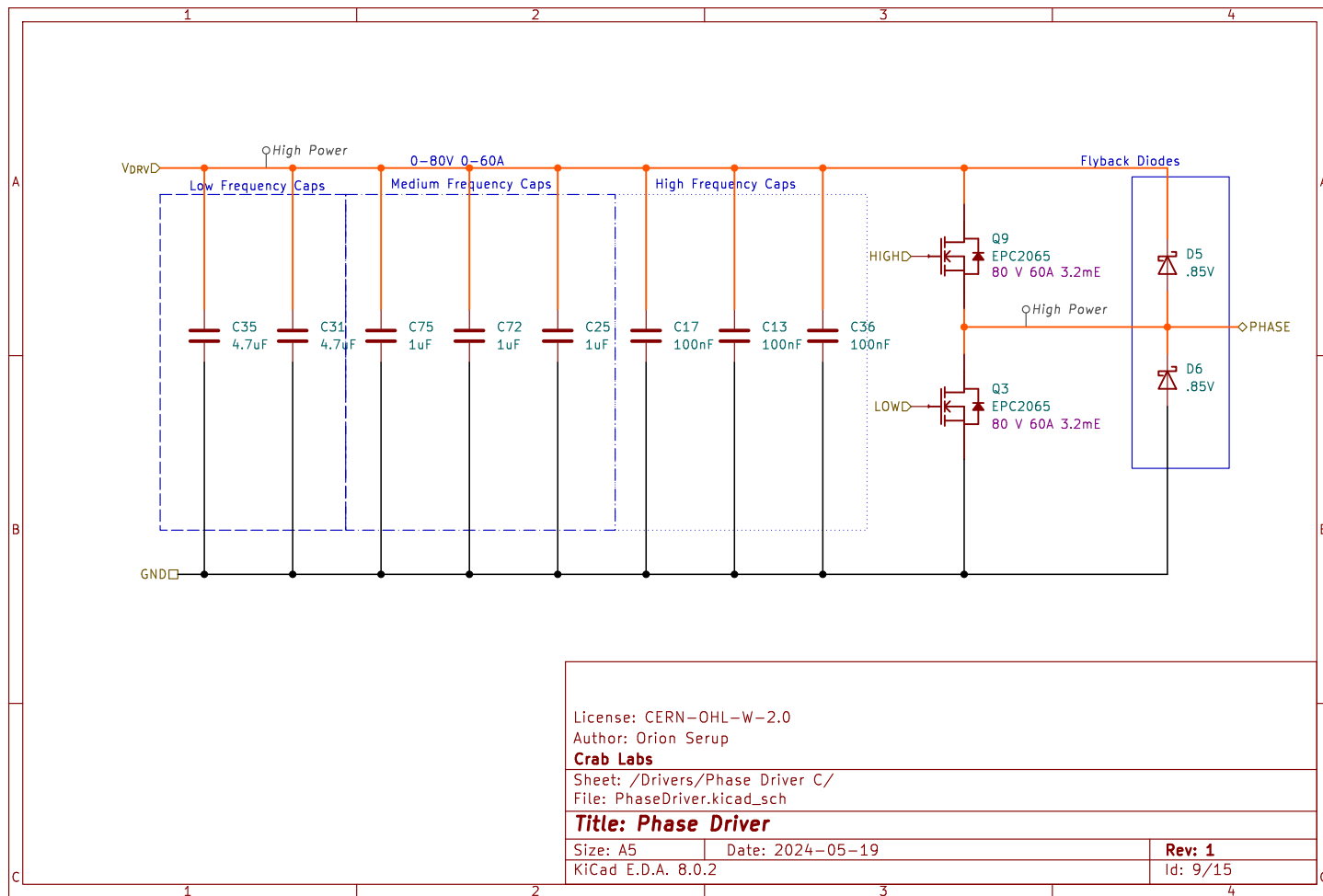
Rev: 1

KiCad E.D.A. 8.0.2

Id: 5/15







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Sheet: /Drivers/Phase Driver C/

File: PhaseDriver.kicad_sch

Title: Phase Driver

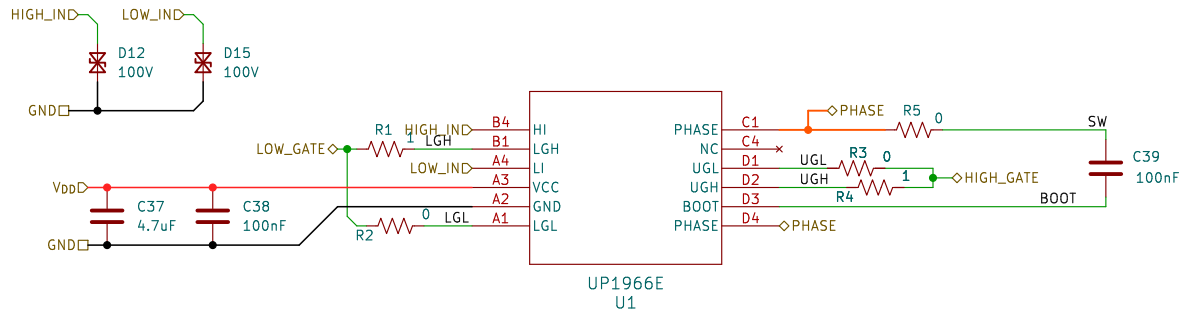
Size: A5

Date: 2024-05-19

Rev: 1

KiCad E.D.A. 8.0.2

Id: 9/15



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Sheet: /Predrivers/Gate Driver A/

File: GateDriver.kicad_sch

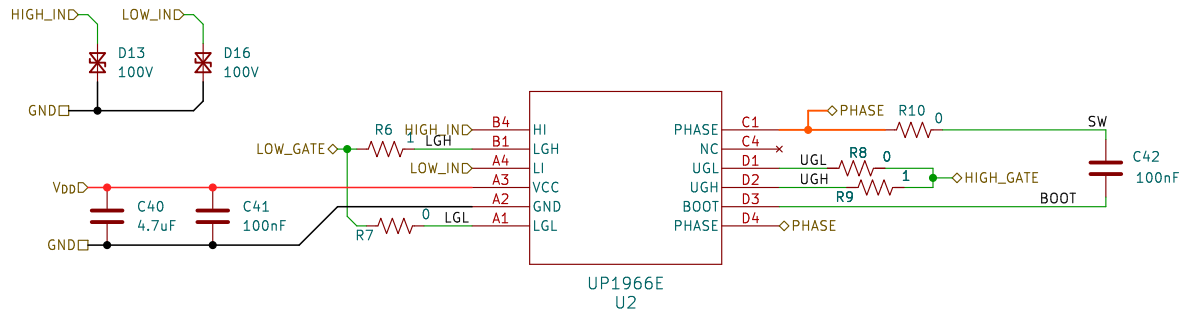
Title: Gate Driver

Size: A5 Date: 2024-05-19

KiCad E.D.A. 8.0.2

Rev: 1

Id: 10/15



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Author: Orion Serup

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Sheet: /Predrivers/Gate Driver B/

File: GateDriver.kicad_sch

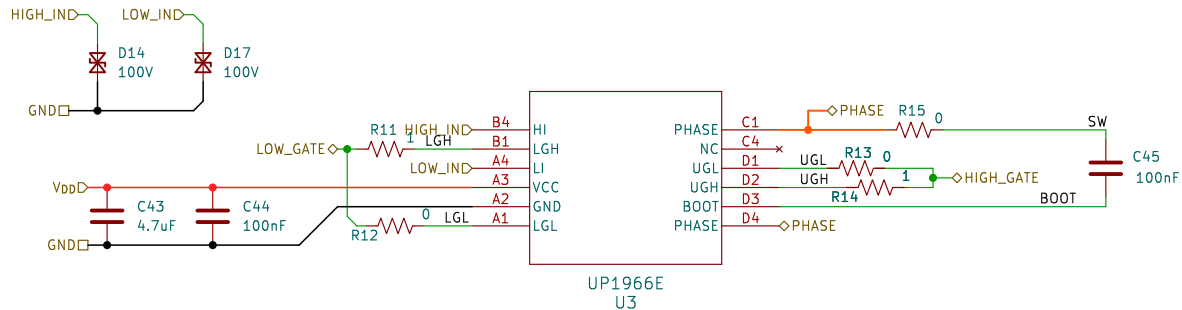
Title: Gate Driver

Size: A5 Date: 2024-05-19

KiCad E.D.A. 8.0.2

Rev: 1

Id: 11/15



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Author: Orion Serup

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Sheet: /Predrivers/Gate Driver C/

File: GateDriver.kicad_sch

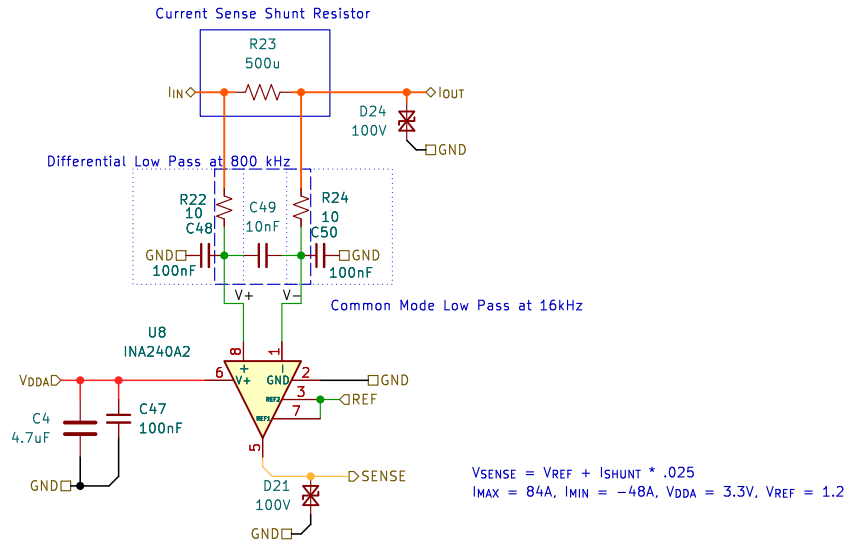
Title: Gate Driver

Size: A5 Date: 2024-05-19

KiCad E.D.A. 8.0.2

Rev: 1

Id: 12/15



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Sheet: /Phase Current Sensors/Current Sense A/

File: ISense.kicad_sch

Title: Current Sense Amplifier

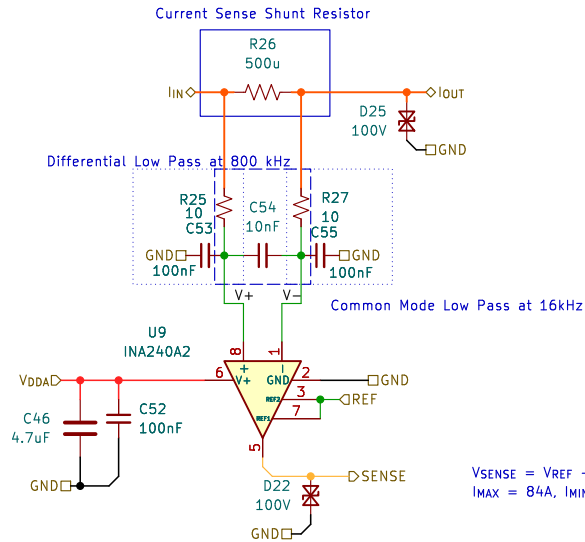
Size: A5

Date: 2024-05-19

Rev: 1

KiCad E.D.A. 8.0.2

Id: 16/15



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Sheet: /Phase Current Sensors/Current Sense B/

File: ISense.kicad_sch

Title: Current Sense Amplifier

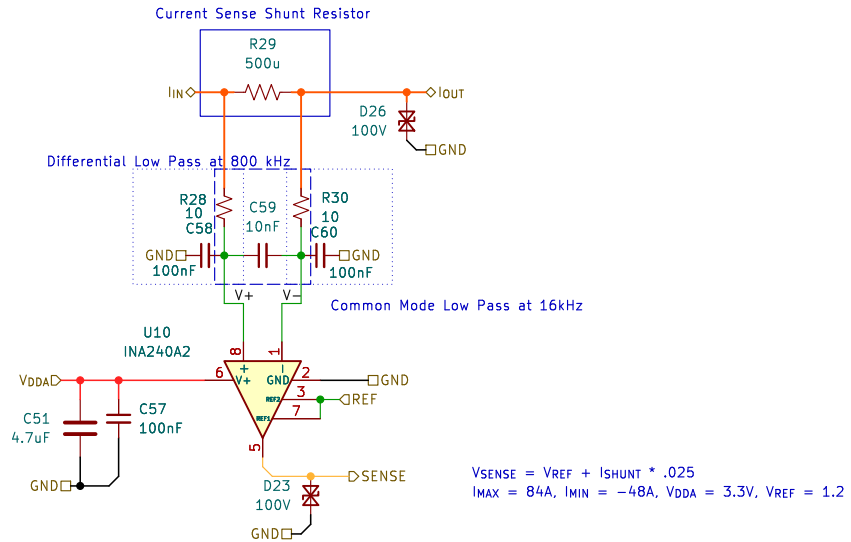
Size: A5

Date: 2024-05-19

Rev: 1

KiCad E.D.A. 8.0.2

Id: 17/15



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Author: Orion Serup

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Sheet: /Phase Current Sensors/Current Sense C/

File: ISense.kicad_sch

Title: Current Sense Amplifier

Size: A5

Date: 2024-05-19

Rev: 1

KiCad E.D.A. 8.0.2

Id: 18/15