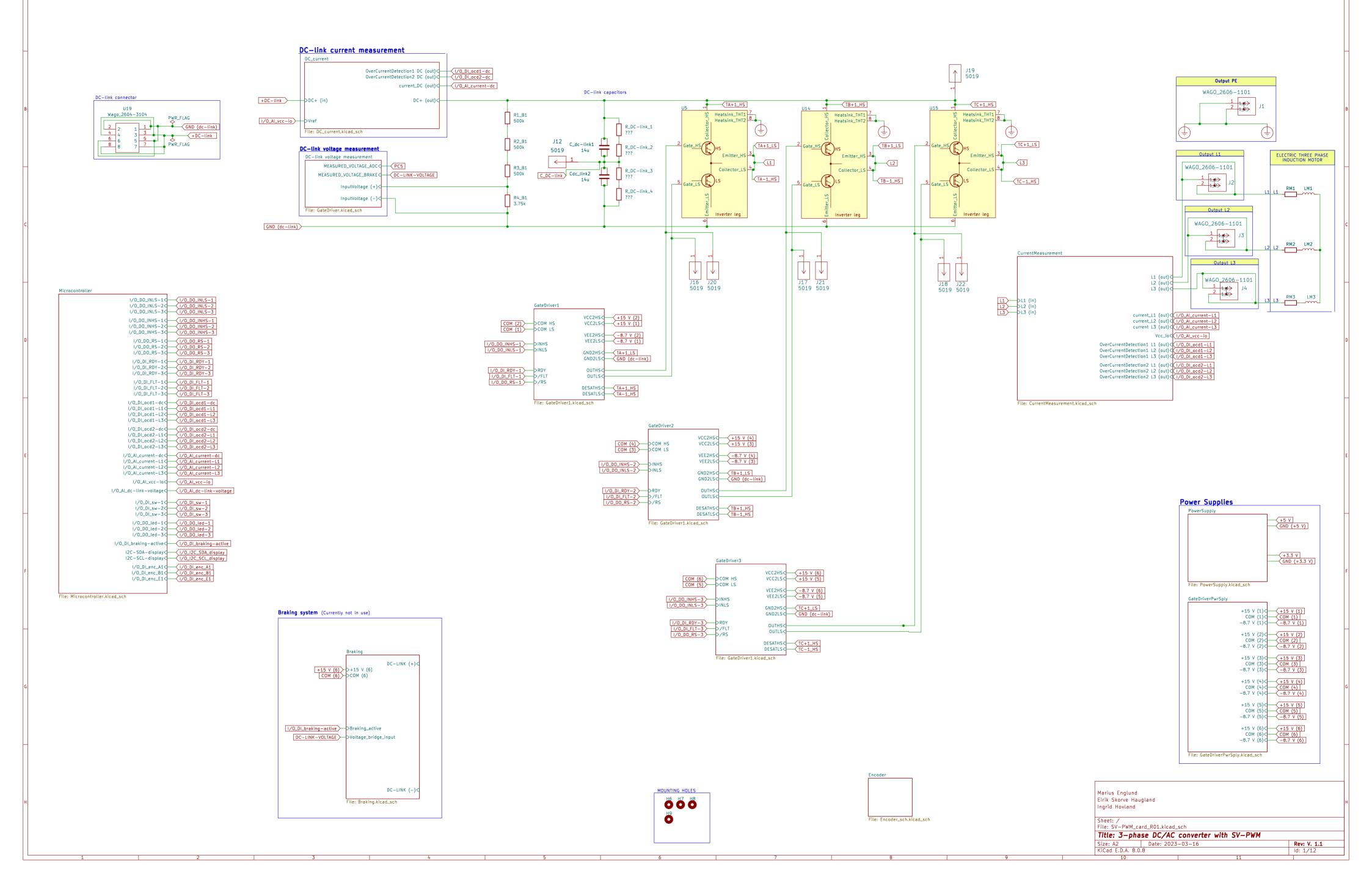
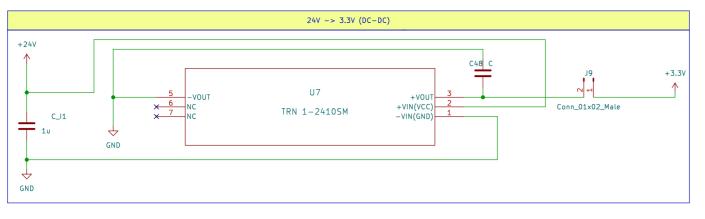
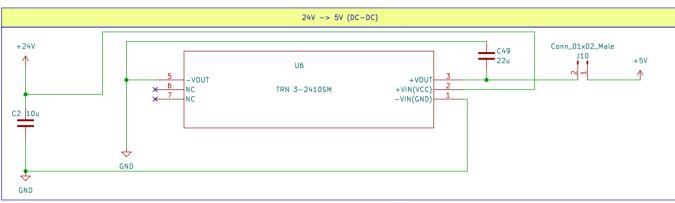
# Motor Control Card







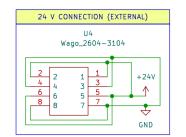
Marius Englund Eirik Skorve Haugland Ingrid Hovland Sheet: /PowerSupply/
File: PowerSupply.kicad\_sch

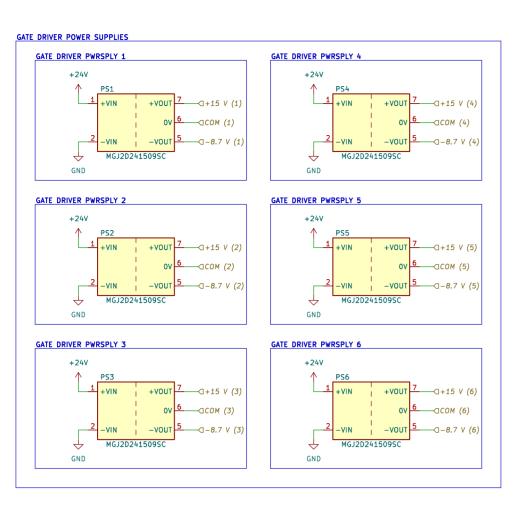
Title: 3-phase DC/AC converter with SV-PWM

Size: A2 Date: 2023-03-16

KiCad E.D.A. 8.0.8

**Rev: V. 1.1** Id: 2/12





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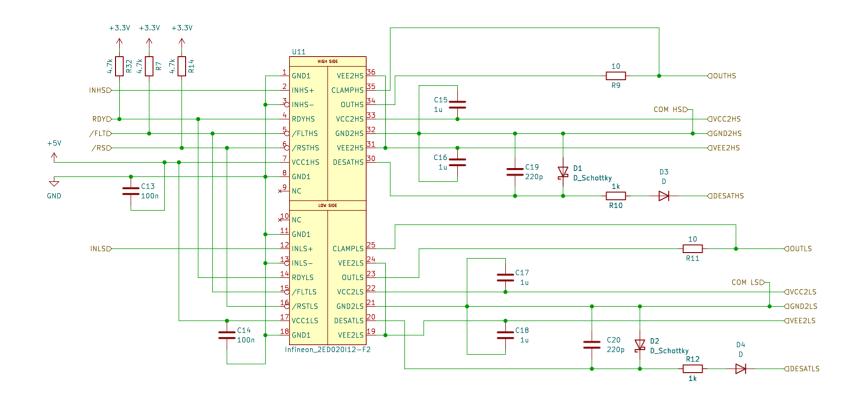
Sheet: /GateDriverPwrSply/
File: GateDriverPwrSply.kicad\_sch

Title: 3-phase DC/AC converter with SV-PWM

Size: A2 Date: 2023-03-16 Rev: V. 1.1

KiCad E.D.A. 8.0.8 Id: 3/12

## GATE DRIVER CIRCUIT



Marius Englund Eirik Skorve Haugland Ingrid Hovland Sheet: /GateDriver1/
File: GateDriver1.kicad\_sch

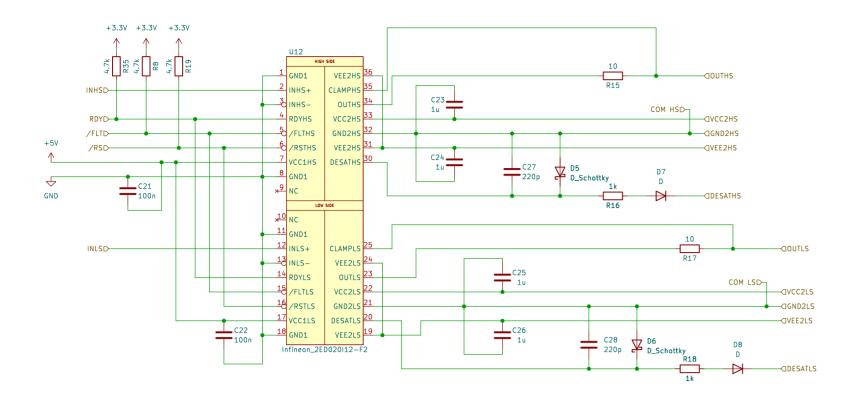
Title: 3-phase DC/AC converter with SV-PWM

Size: A2 | Date: 2023-03-16

KiCad E.D.A. 8.0.8

**Rev: V. 1.1** Id: 4/12

## GATE DRIVER CIRCUIT



Marius Englund Eirik Skorve Haugland Ingrid Hovland Sheet: /GateDriver2/
File: GateDriver1.kicad\_sch

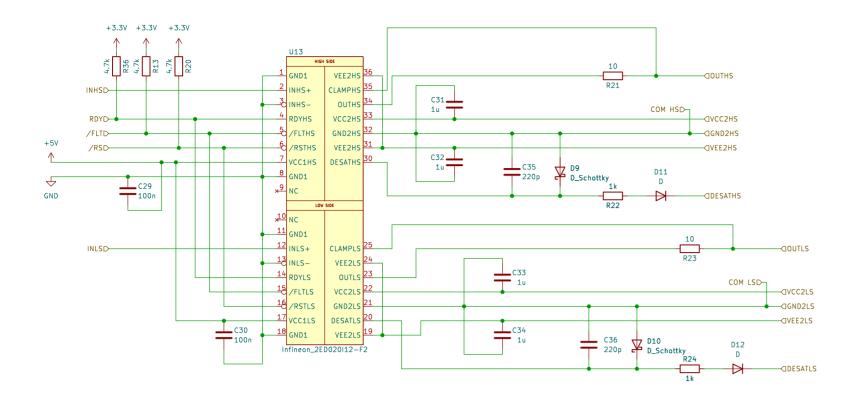
Title: 3-phase DC/AC converter with SV-PWM

Size: A2 | Date: 2023-03-16

KiCad E.D.A. 8.0.8

**Rev: V. 1.1** Id: 5/12

## GATE DRIVER CIRCUIT



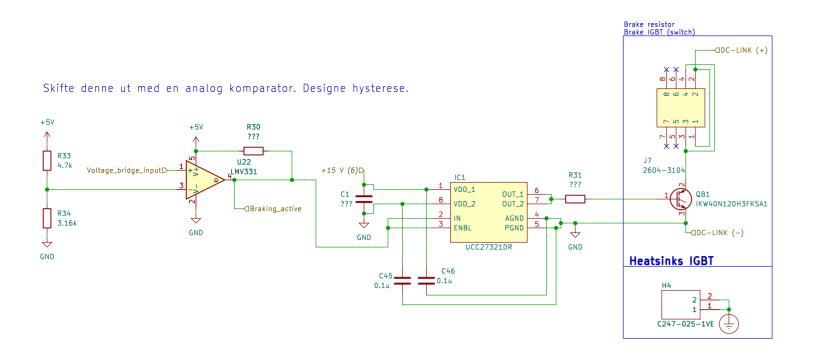
Marius Englund Eirik Skorve Haugland Ingrid Hovland Sheet: /GateDriver3/
File: GateDriver1.kicad\_sch

Title: 3-phase DC/AC converter with SV-PWM

Size: A2 Date: 2023-03-16

KiCad E.D.A. 8.0.8

**Rev: V. 1.1** Id: 6/12



HVOR STOR SKAL KONDENSATOR PÅ VDD\_1 OG VDD\_2 VÆRE??
HVOR STOR SKAL R PÅ UTGANG VÆRE?
HVOR KOMMER 15V FORSYNING INN?

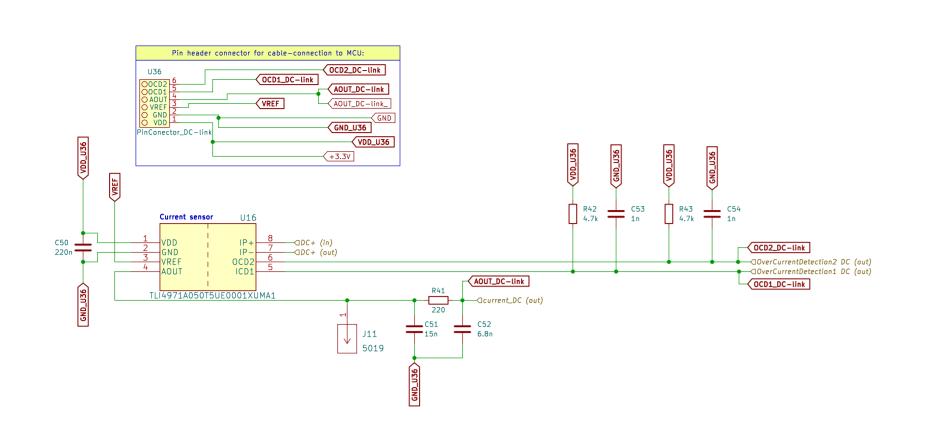
Marius Englund
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Ingrid Hovland

Sheet: /Braking/
File: Braking.kicad\_sch

Title: 3-phase DC/AC converter with SV-PWM

Size: A2 Date: 2023-03-16 Rev: V. 1.1

KiCad E.D.A. 8.0.8 Id: 7/12



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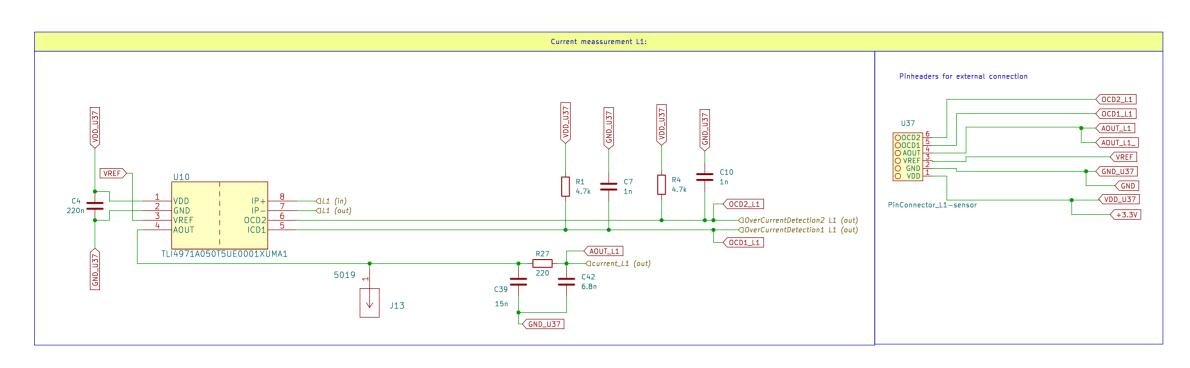
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File: DC\_current.kicad\_sch

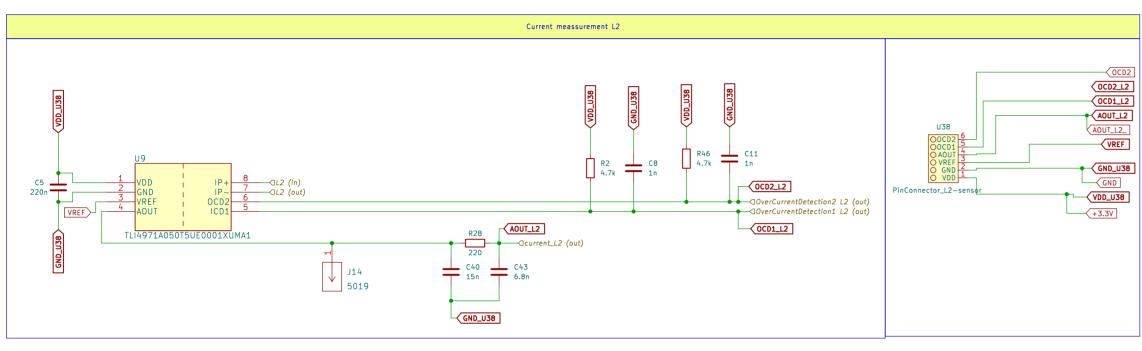
Title: 3-phase DC/AC converter with SV-PWM

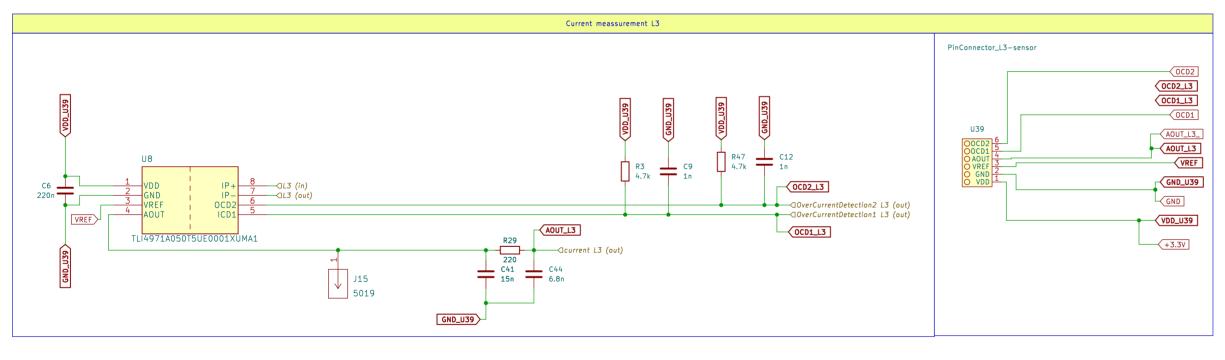
Size: A2 Date: 2023-03-16

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**Rev: V. 1.1** Id: 8/12







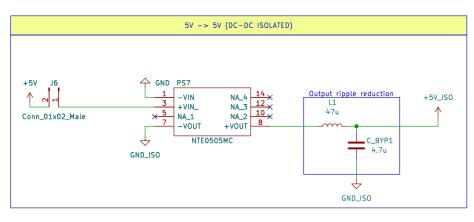
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Ingrid Hovland

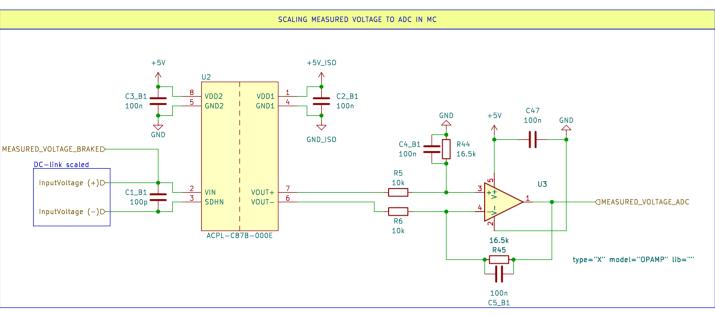
Sheet: /CurrentMeasurement/
File: CurrentMeasurement.kicad\_sch

Title: 3-phase DC/AC converter with SV-PWM

Size: A2 Date: 2023-03-16 Rev: V. 1.1

KiCad E.D.A. 8.0.8 Id: 9/12





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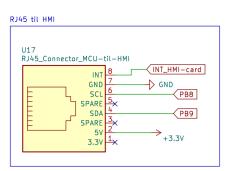
Sheet: /DC-link voltage measurement/
File: GateDriver.kicad\_sch

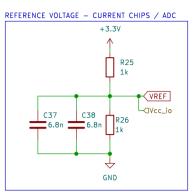
Title: 3-phase DC/AC converter with SV-PWM

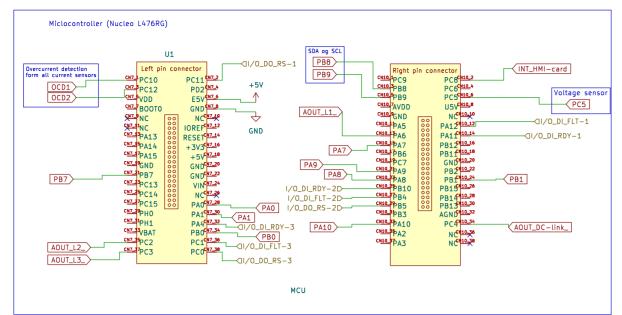
Size: A2 Date: 2023-03-16 Rev: V. 1.1

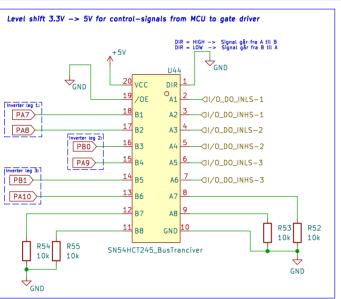
KiCad E.D.A. 8.0.8 Id: 10/12

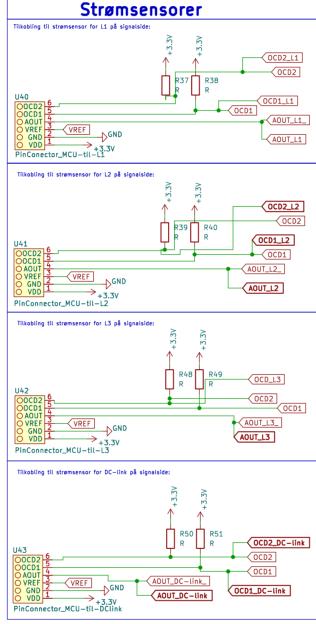
### I/O oversikt: 1) — reference voltage — strømsensor











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Eirik Skorve Haugland
Ingrid Hovland

Sheet: /Microcontroller/
File: Microcontroller.kicad\_sch

Title: 3-phase DC/AC converter with SV-PWM

Size: A2 Date: 2023-03-16 Rev: V. 1.1

KiCad E.D.A. 8.0.8 Id: 11/12

