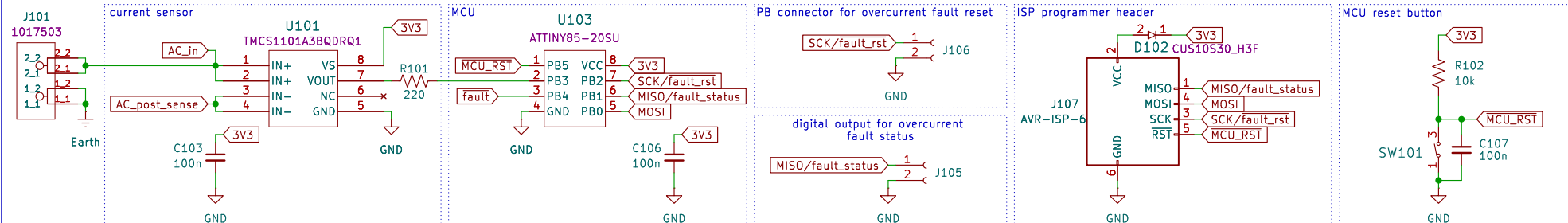
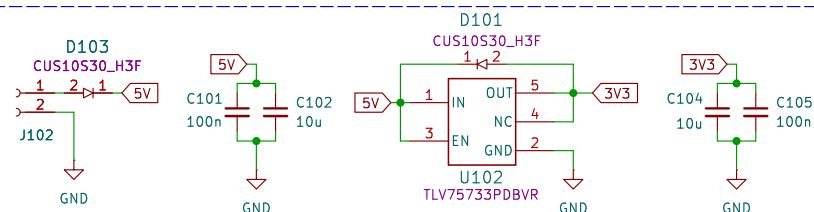


AC input w/overcurrent protection



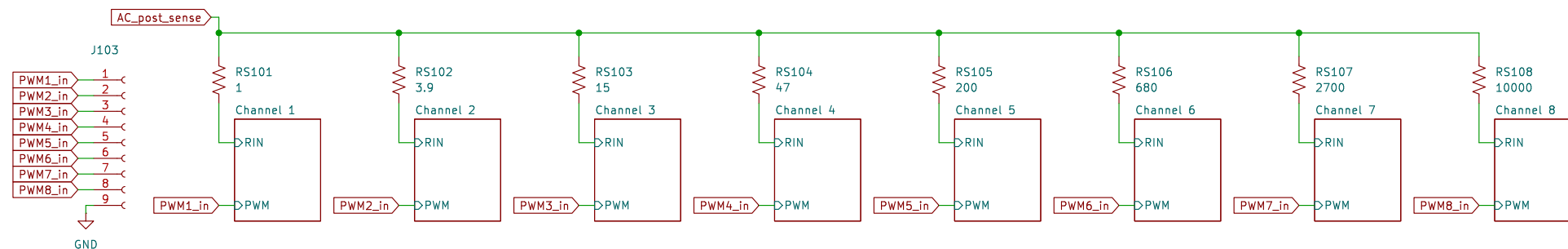
5 volt input w/3V3 regulator



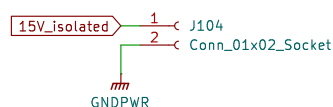
## Power flags for DRC/ERC



## Switching channels



15 volt isolated input



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Sheet: /  
File: bidirectional\_load\_switch.kicad\_sch

**Title: Bidirectional Load Switch**

Size: A4	Date: 2024-10-29
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KiCad E.D.A. 8.0.6

Rev: 0.2.0

Id: 1/9



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Sheet: /Channel 1/  
File: switching\_channel.kicad\_sch

**Title: Bidirectional Load Switch**

Size: A4 Date: 2024-10-29

KiCad E.D.A. 8.0.6

Rev: 0.2.0

Id: 2/9



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Sheet: /Channel 2/  
File: switching\_channel.kicad\_sch

**Title: Bidirectional Load Switch**

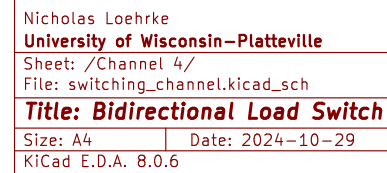
Size: A4 Date: 2024-10-29

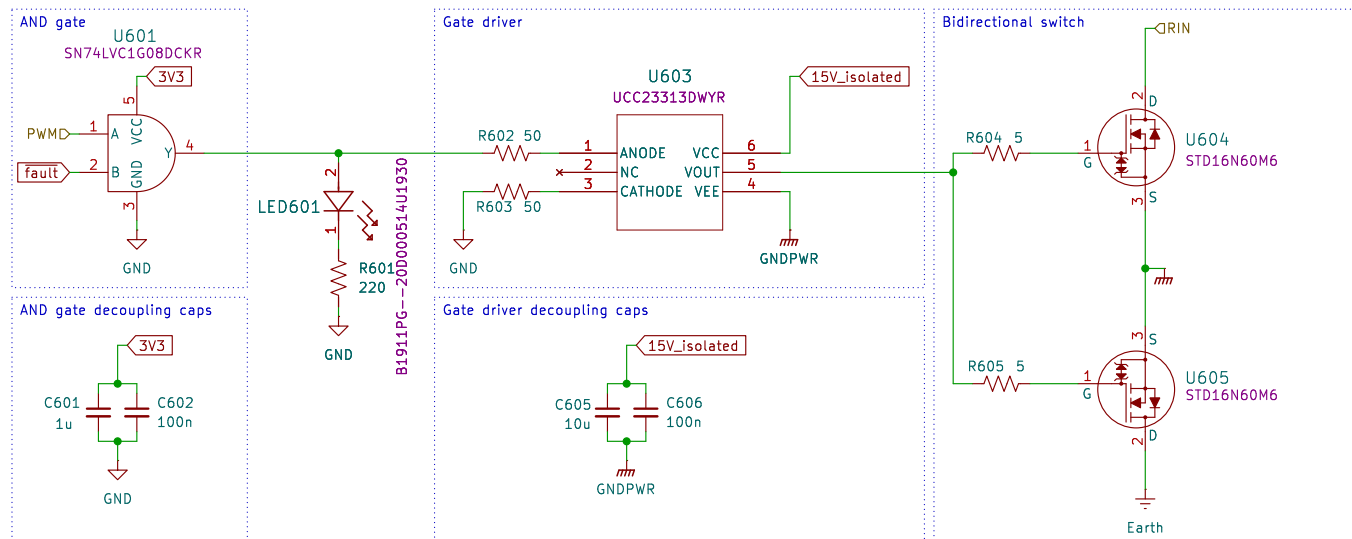
KiCad E.D.A. 8.0.6

Rev: 0.2.0

Id: 3/9







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Sheet: /Channel 5/  
File: switching\_channel.kicad\_sch

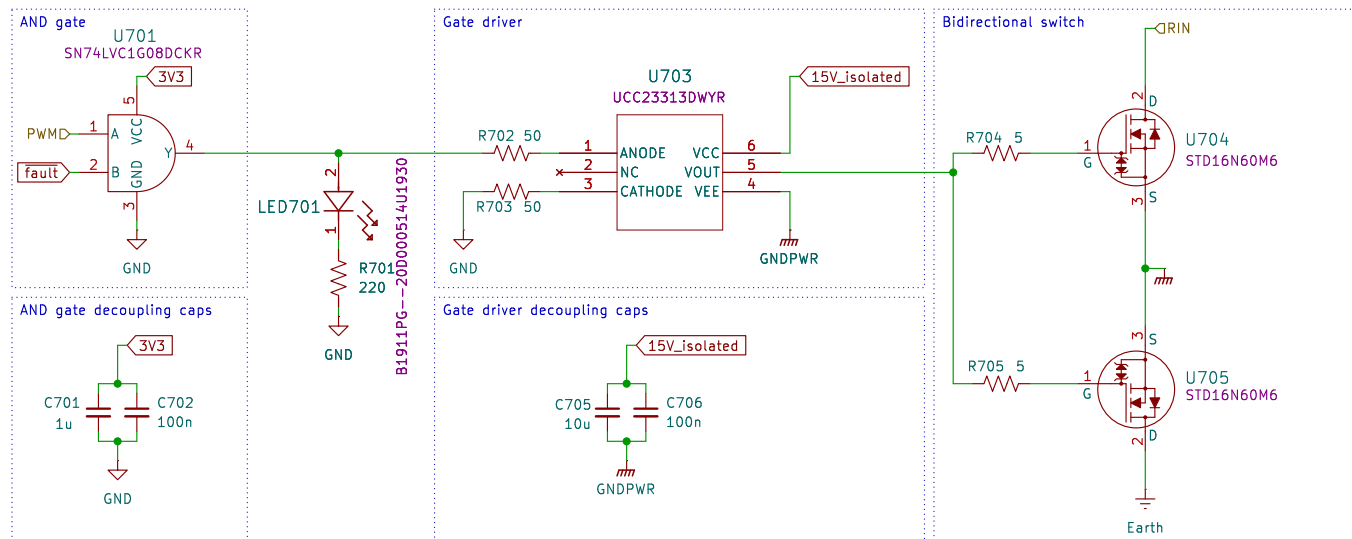
**Title: Bidirectional Load Switch**

Size: A4 Date: 2024-10-29

KiCad E.D.A. 8.0.6

Rev: 0.2.0

Id: 6/9



Nicholas Loehrke  
University of Wisconsin-Platteville

Sheet: /Channel 6/  
File: switching\_channel.kicad\_sch

**Title: Bidirectional Load Switch**

Size: A4 Date: 2024-10-29

KiCad E.D.A. 8.0.6

Rev: 0.2.0

Id: 7/9

