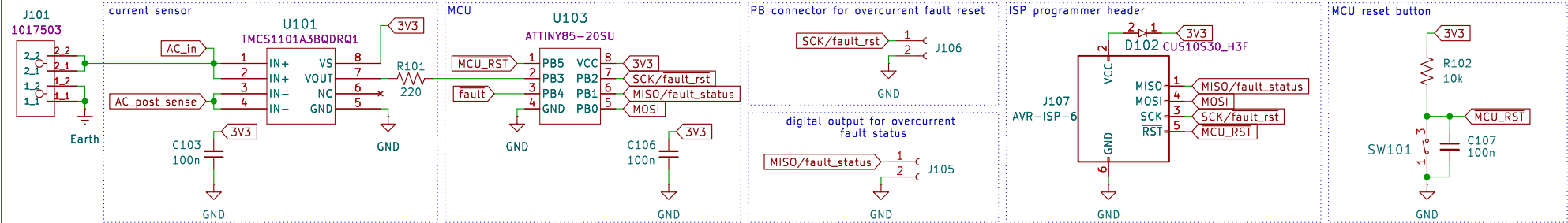
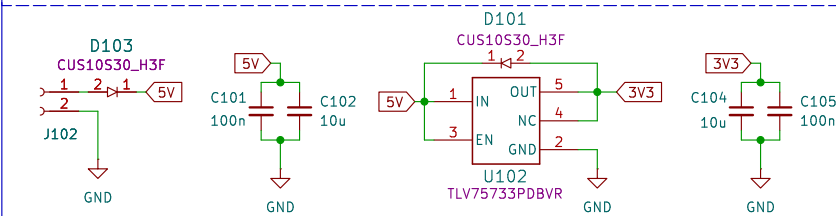


## AC input w/overcurrent protection



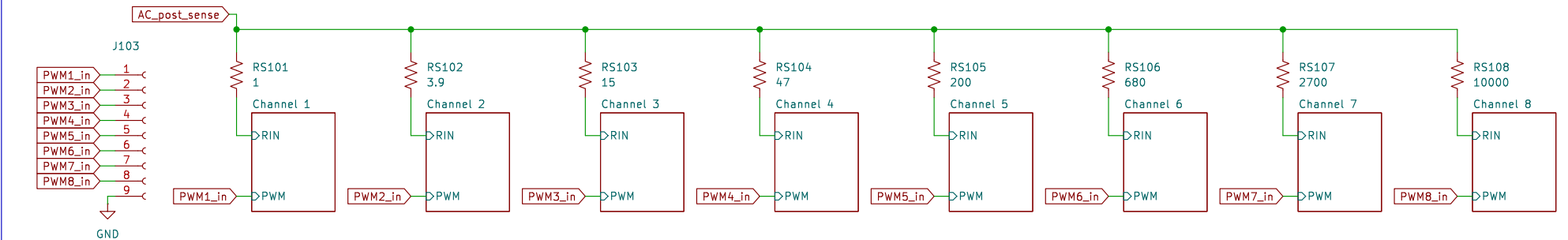
## 5 volt input w/3V3 regulator



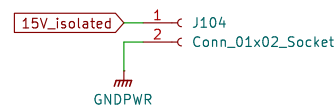
## Power flags for DRC/ERC



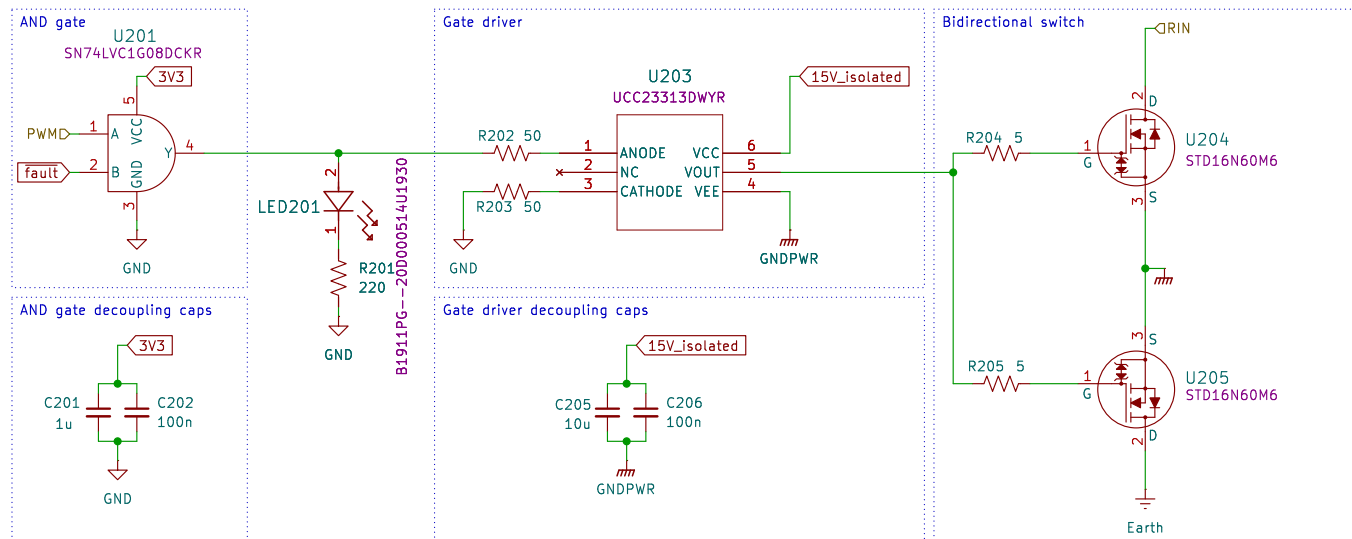
## Switching channels



## 15 volt isolated input



Nicholas Loehrke  
**University of Wisconsin-Platteville**  
 Sheet: /  
 File: bidirectional\_load\_switch.kicad\_sch  
**Title: Bidirectional Load Switch**  
 Size: A4 Date: 2024-10-29  
 KiCad E.D.A. 8.0.9 Rev: 0.2.0  
 Id: 1/9

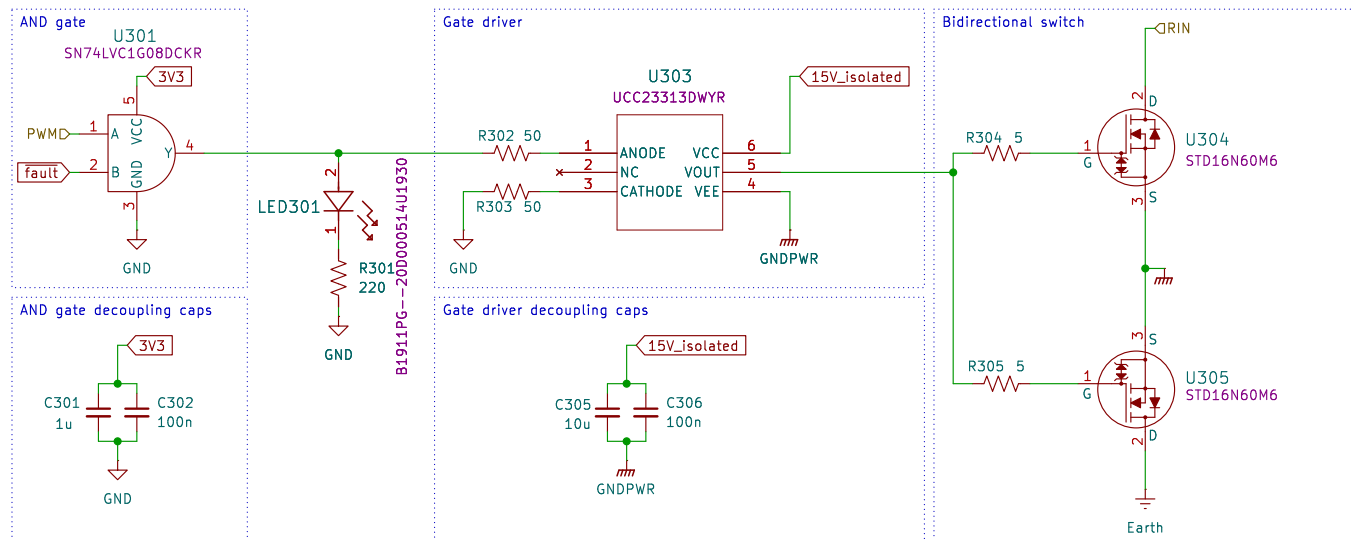


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Sheet: /Channel 1/  
File: switching\_channel.kicad\_sch

**Title: Bidirectional Load Switch**

Size: A4	Date: 2024-10-29	Rev: 0.2.0
KiCad E.D.A. 8.0.9		Id: 2/9

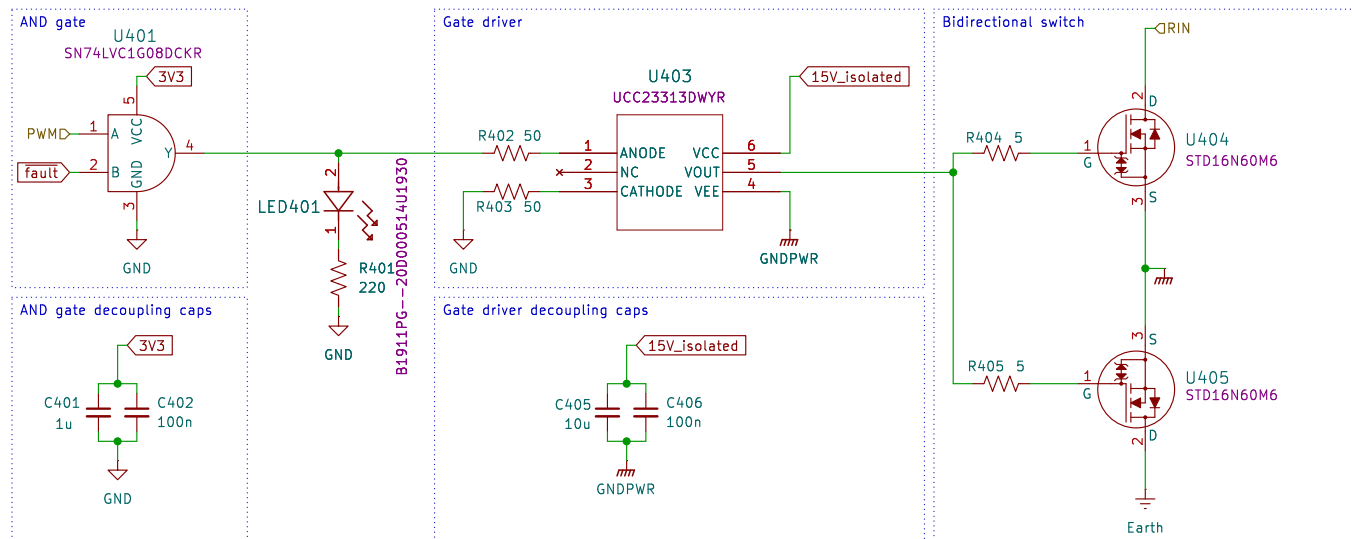


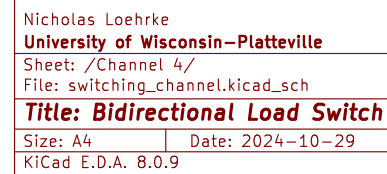
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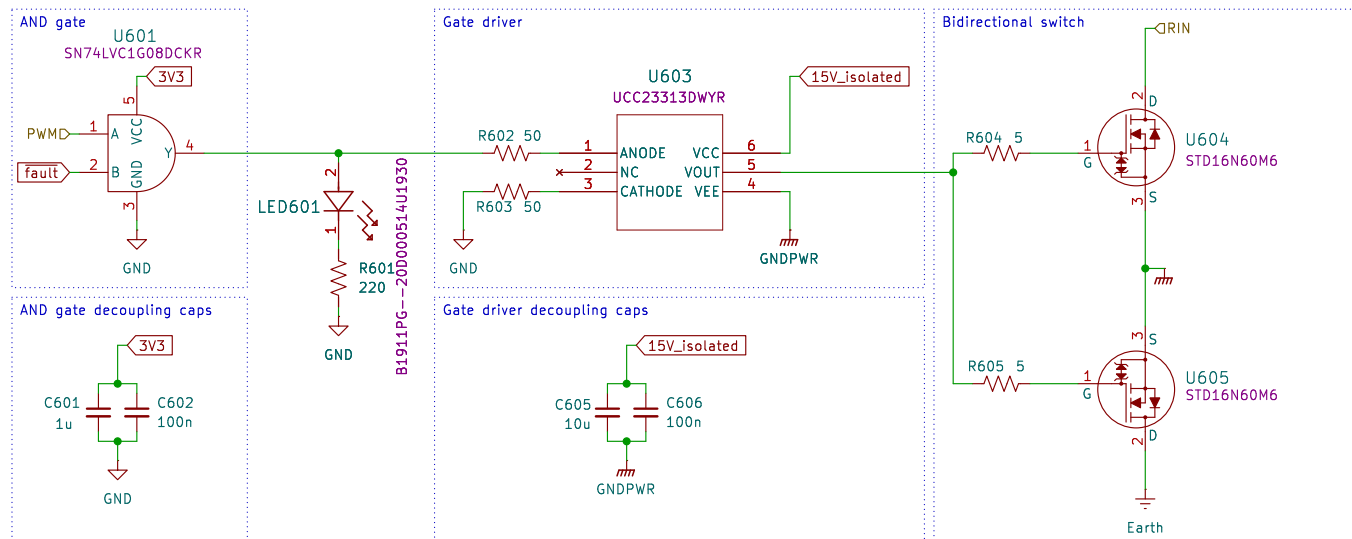
Sheet: /Channel 2/  
File: switching\_channel.kicad\_sch

**Title: Bidirectional Load Switch**

Size: A4	Date: 2024-10-29	Rev: 0.2.0
KiCad E.D.A. 8.0.9		Id: 3/9





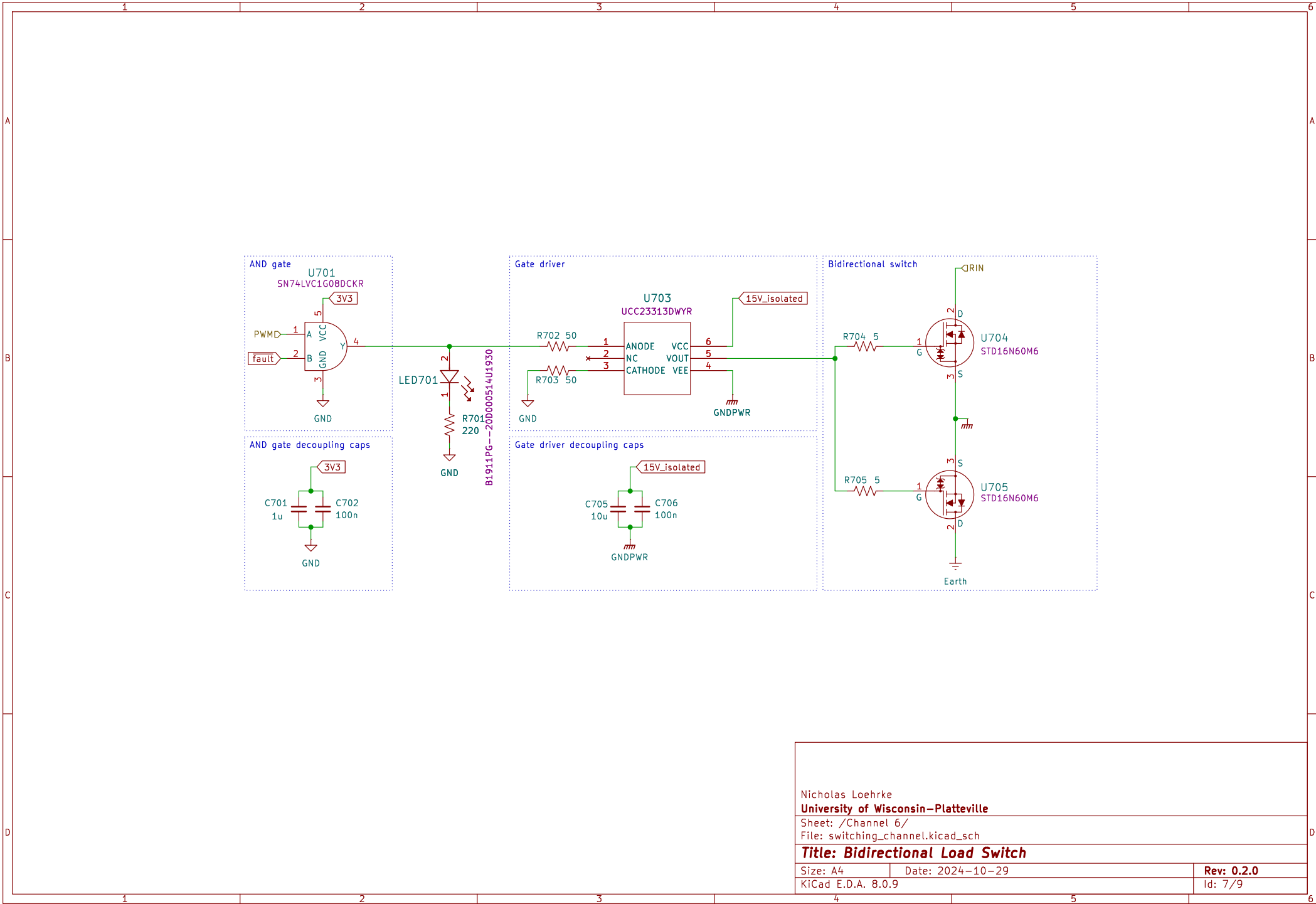


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Sheet: /Channel 5/  
File: switching\_channel.kicad\_sch

**Title: Bidirectional Load Switch**

Size: A4	Date: 2024-10-29	Rev: 0.2.0
KiCad E.D.A. 8.0.9		Id: 6/9

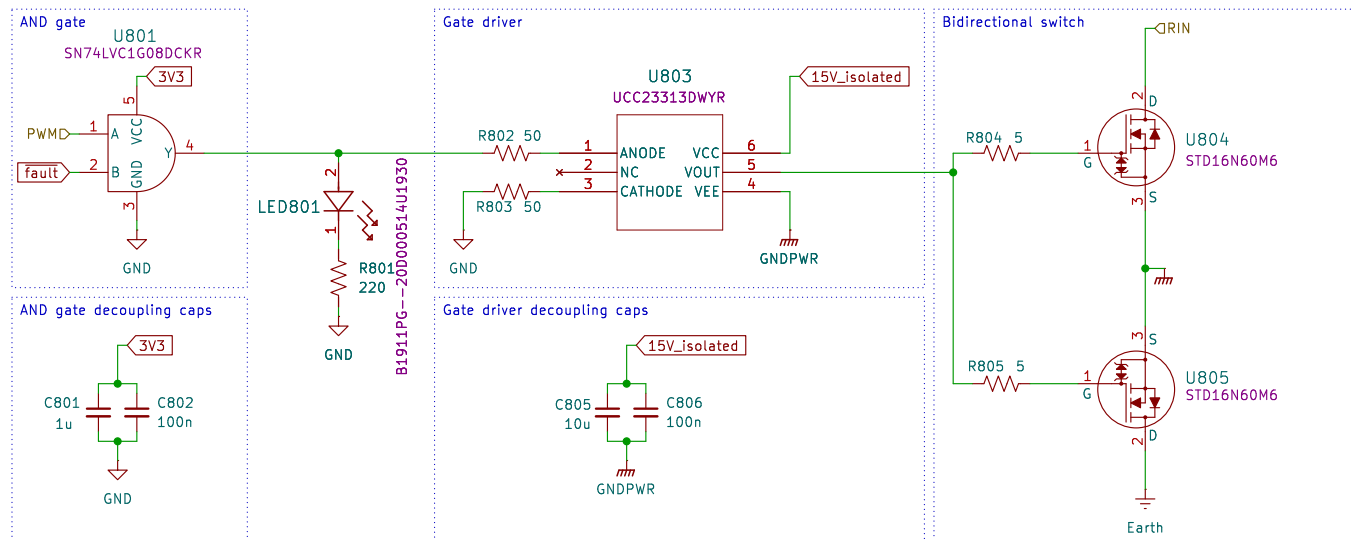


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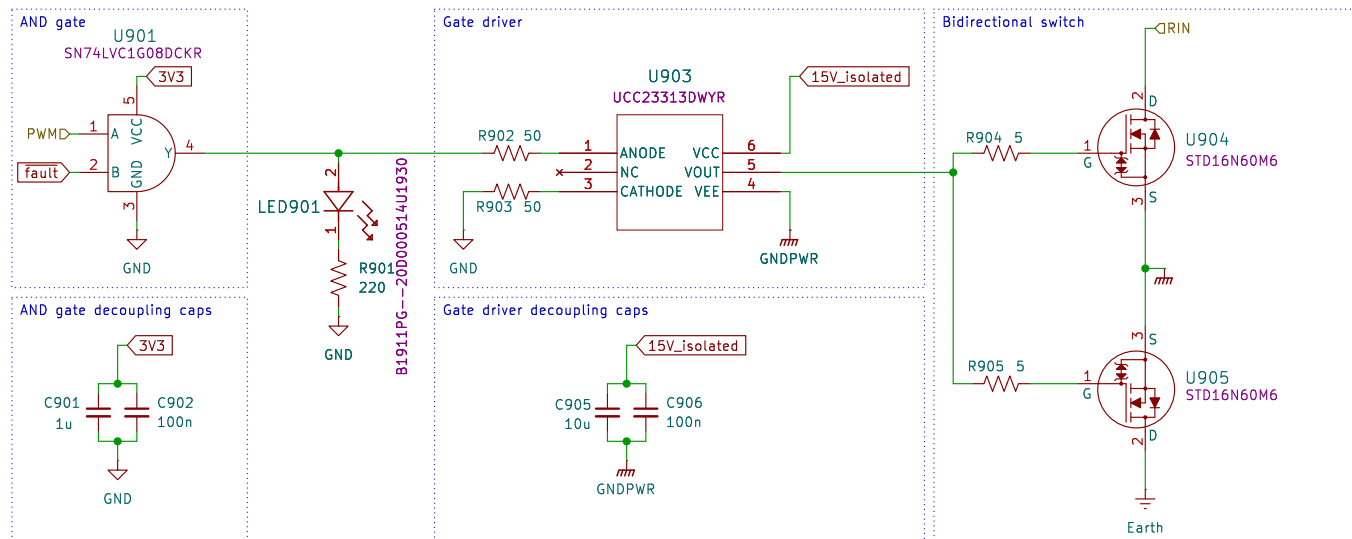
Sheet: /Channel 6/  
File: switching\_channel.kicad\_sch

**Title: Bidirectional Load Switch**

Size: A4	Date: 2024-10-29	Rev: 0.2.0
KiCad E.D.A. 8.0.9		Id: 7/9







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Sheet: /Channel 8/  
File: switching\_channel.kicad\_sch

**Title: Bidirectional Load Switch**

Size: A4 Date: 2024-10-29

KiCad E.D.A. 8.0.9

**Rev: 0.2.0**

Id: 9/9