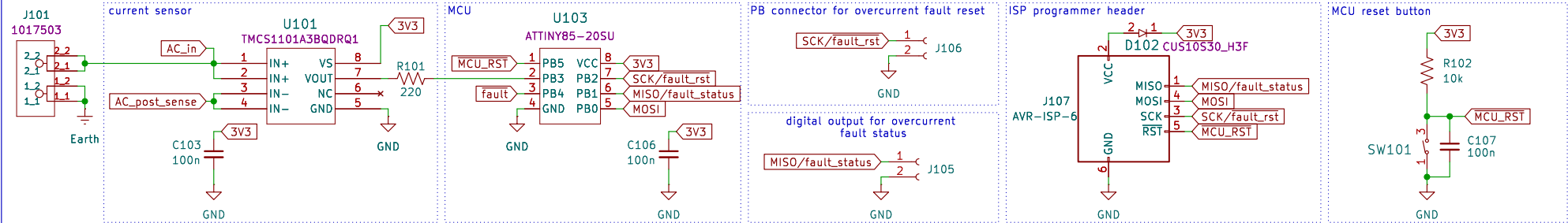
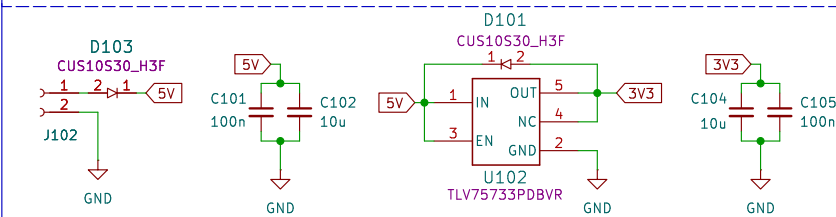


## AC input w/overcurrent protection



## 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. 8.0.6 Rev: 0.2.0  
 Id: 1/9



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University of Wisconsin-Platteville

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



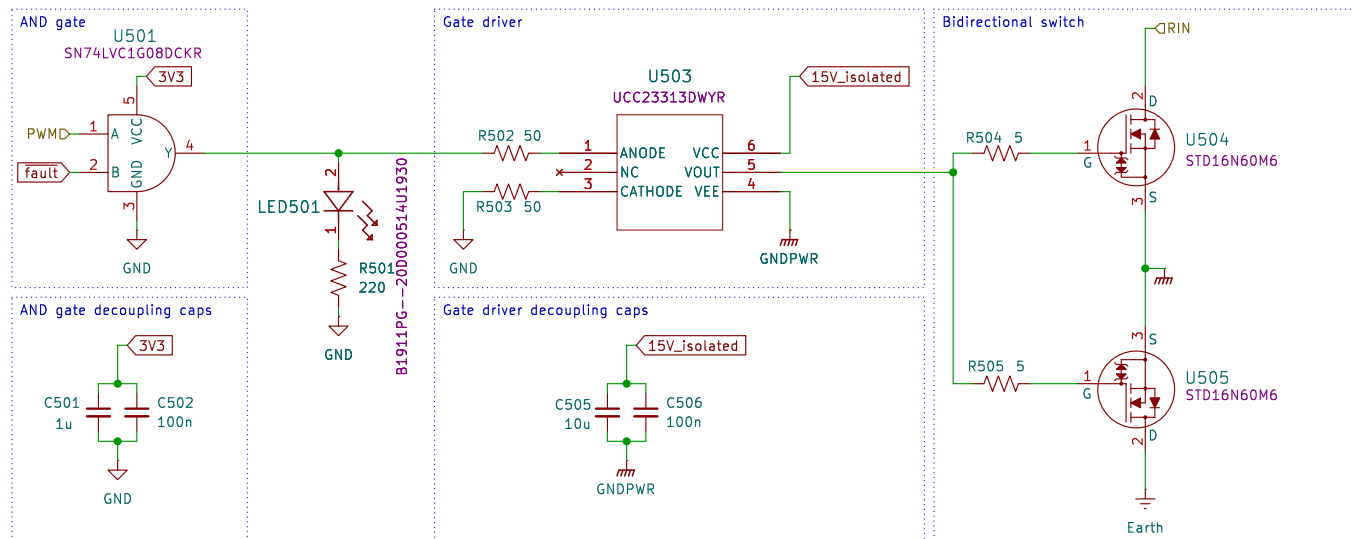
Nicholas Loehrke  
University of Wisconsin-Platteville

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. 8.0.6		Id: 3/9





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University of Wisconsin-Platteville

Sheet: /Channel 4/  
File: switching\_channel.kicad\_sch

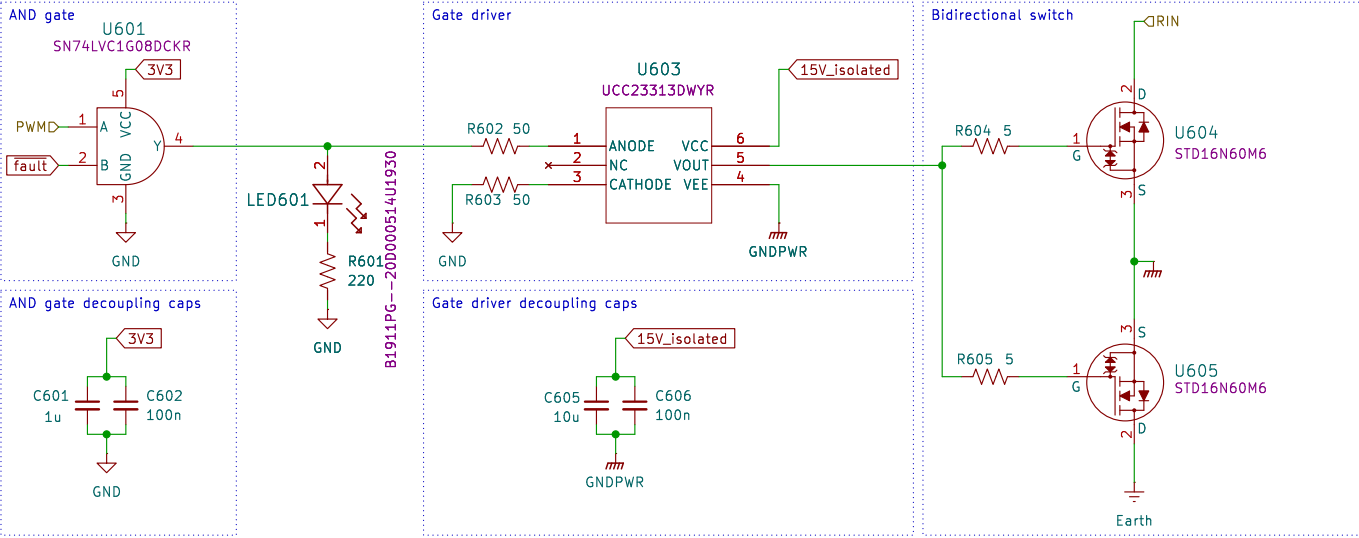
**Title: Bidirectional Load Switch**

Size: A4 Date: 2024-10-29

KiCad E.D.A. 8.0.6

**Rev: 0.2.0**

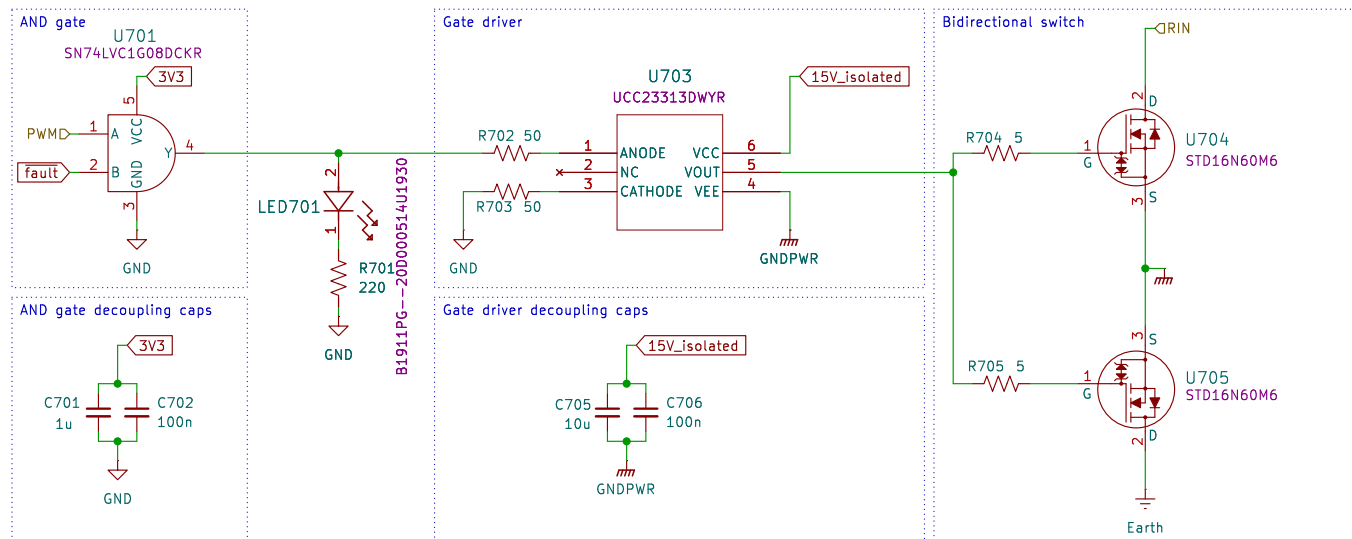
Id: 5/9



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University of Wisconsin-Platteville  
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. 8.0.6		Id: 6/9



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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

