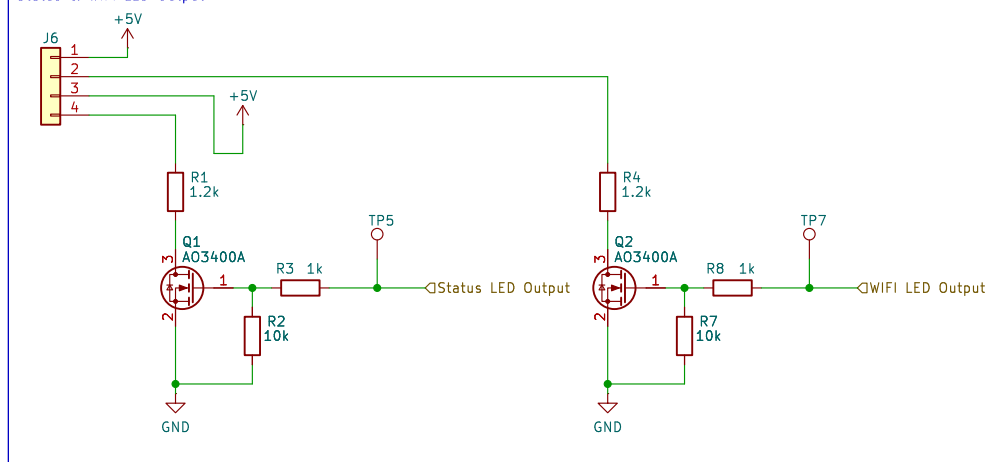
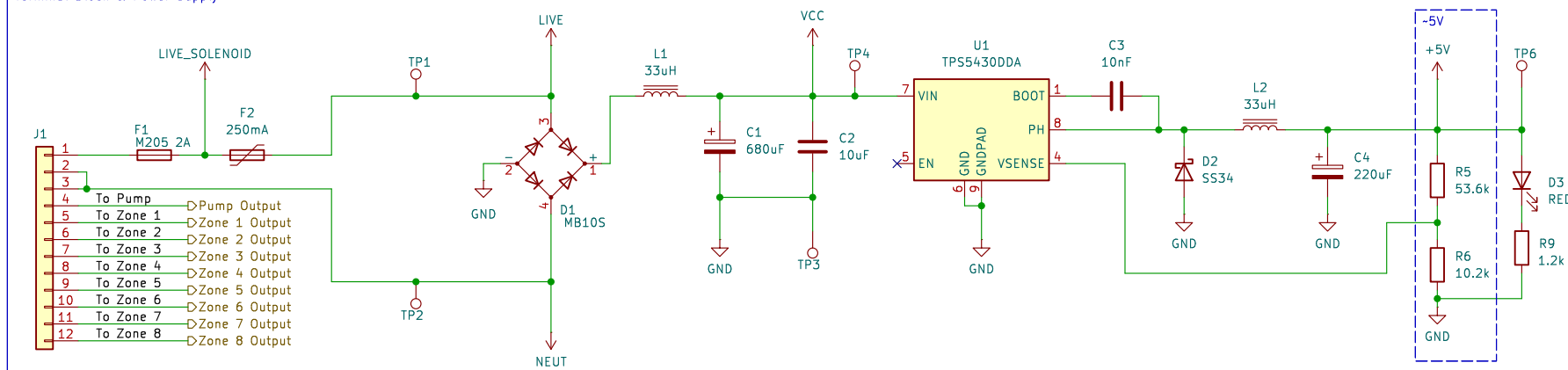


**Resources:**  
[https://www.st.com/resource/en/application\\_note/an5114-controlling-a-triac-with-a-phototriac-stmicroelectronics.pdf](https://www.st.com/resource/en/application_note/an5114-controlling-a-triac-with-a-phototriac-stmicroelectronics.pdf)  
[https://www.st.com/resource/en/application\\_note/an437-rc-snubber-circuit-design-for-triacs-stmicroelectronics.pdf](https://www.st.com/resource/en/application_note/an437-rc-snubber-circuit-design-for-triacs-stmicroelectronics.pdf)  
[https://docs.espressif.com/projects/esp-dev-kits/en/latest/esp32/\\_images/esp32\\_devkitC\\_v4\\_pinlayout.png](https://docs.espressif.com/projects/esp-dev-kits/en/latest/esp32/_images/esp32_devkitC_v4_pinlayout.png)  
[https://docs.espressif.com/projects/esp-dev-kits/en/latest/esp32/esp32-devkitc/user\\_guide.html#header-block](https://docs.espressif.com/projects/esp-dev-kits/en/latest/esp32/esp32-devkitc/user_guide.html#header-block)  
[https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32e-esp32-wroom-32ue\\_datasheet\\_en.pdf](https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32e-esp32-wroom-32ue_datasheet_en.pdf)



Sheet: /		
File: ESPrinkler Retic PCB.kicad_sch		
<b>Title: ESPrinkler Retic Controller</b>		
Size: A4	Date: 2025-06-01	Rev: 1.1
KiCad E.D.A. 9.0.0	Id: 1/4	



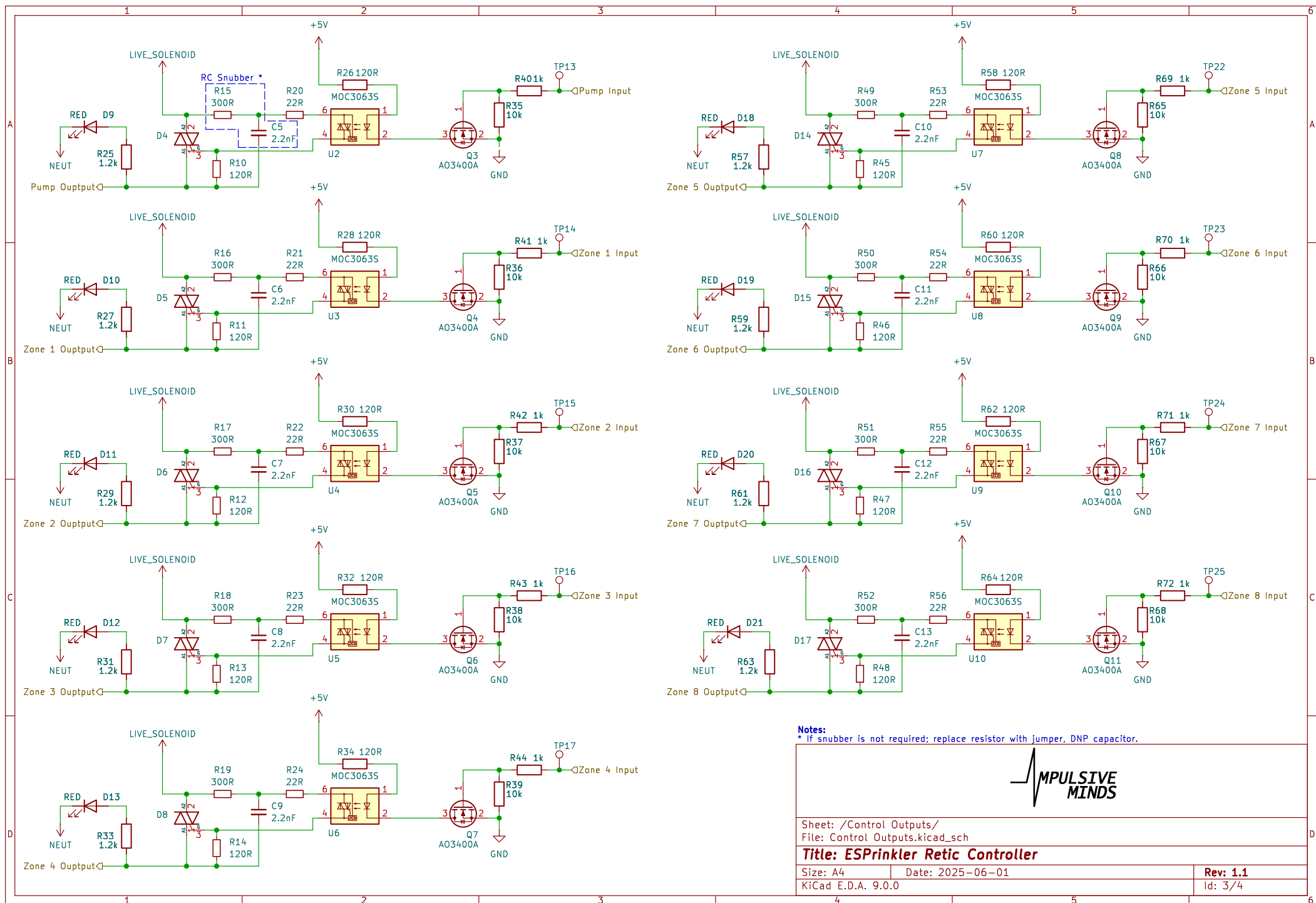
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File: Power IO.kicad\_sch

**Title: ESPrinkler Retic Controller**

Size: A4	Date: 2025-06-01
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Rev: 1.1

SIZE: A1	
KiCad E.D.A. 9.0.0	



#### Notes:

\* If snubber is not required; replace resistor with jumper, DNP capacitor.



Sheet: /Control Outputs/  
File: Control Outputs.kicad\_sch

#### Title: ESPrinkler Retic Controller

Size: A4 Date: 2025-06-01  
KiCad E.D.A. 9.0.0

Rev: 1.1  
Id: 3/4

