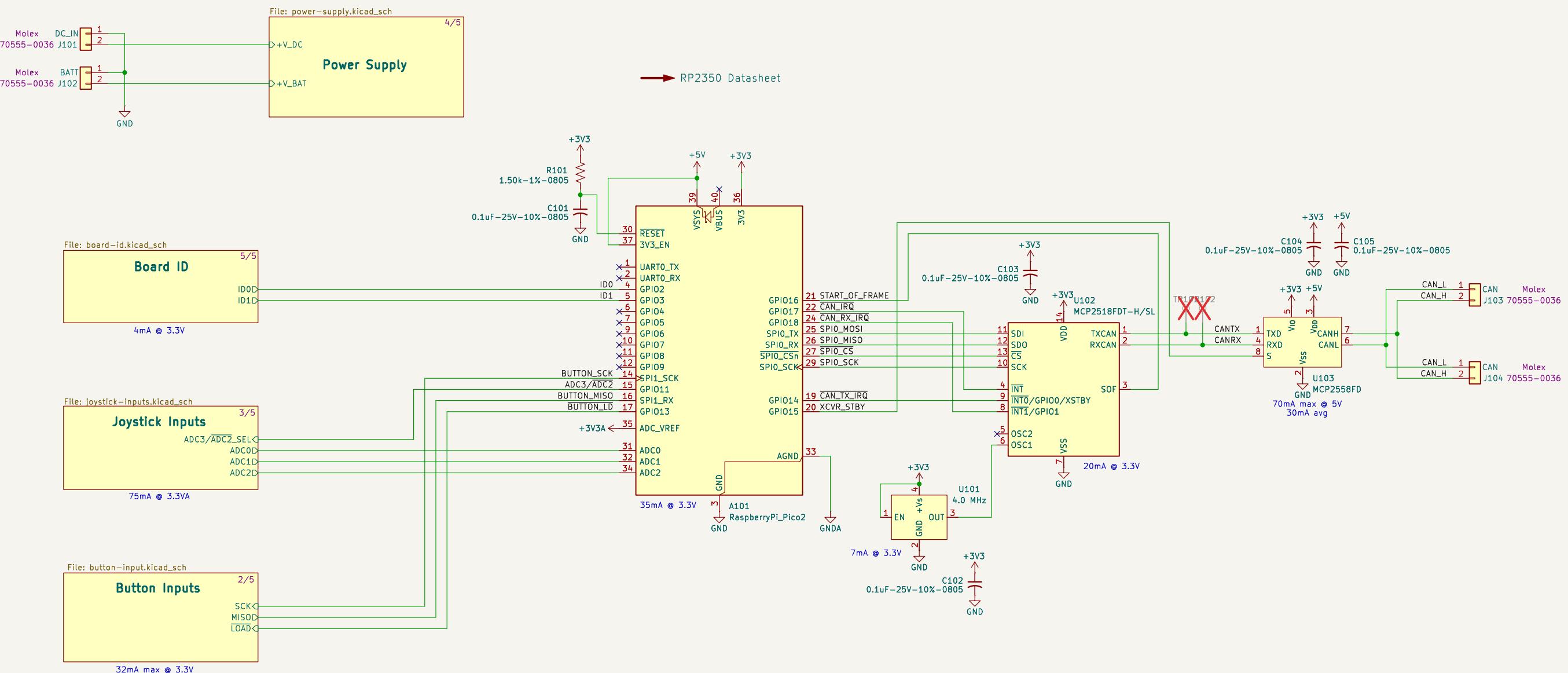


**TODO:**

- Add 2x quadrature encoder inputs + PWM with 5V power.
- Change SL right angle to vertical headers.


**1868 SPACE COOKIES**

Sheet: /

File: Pico-ButtonBoard-v1.kicad\_sch

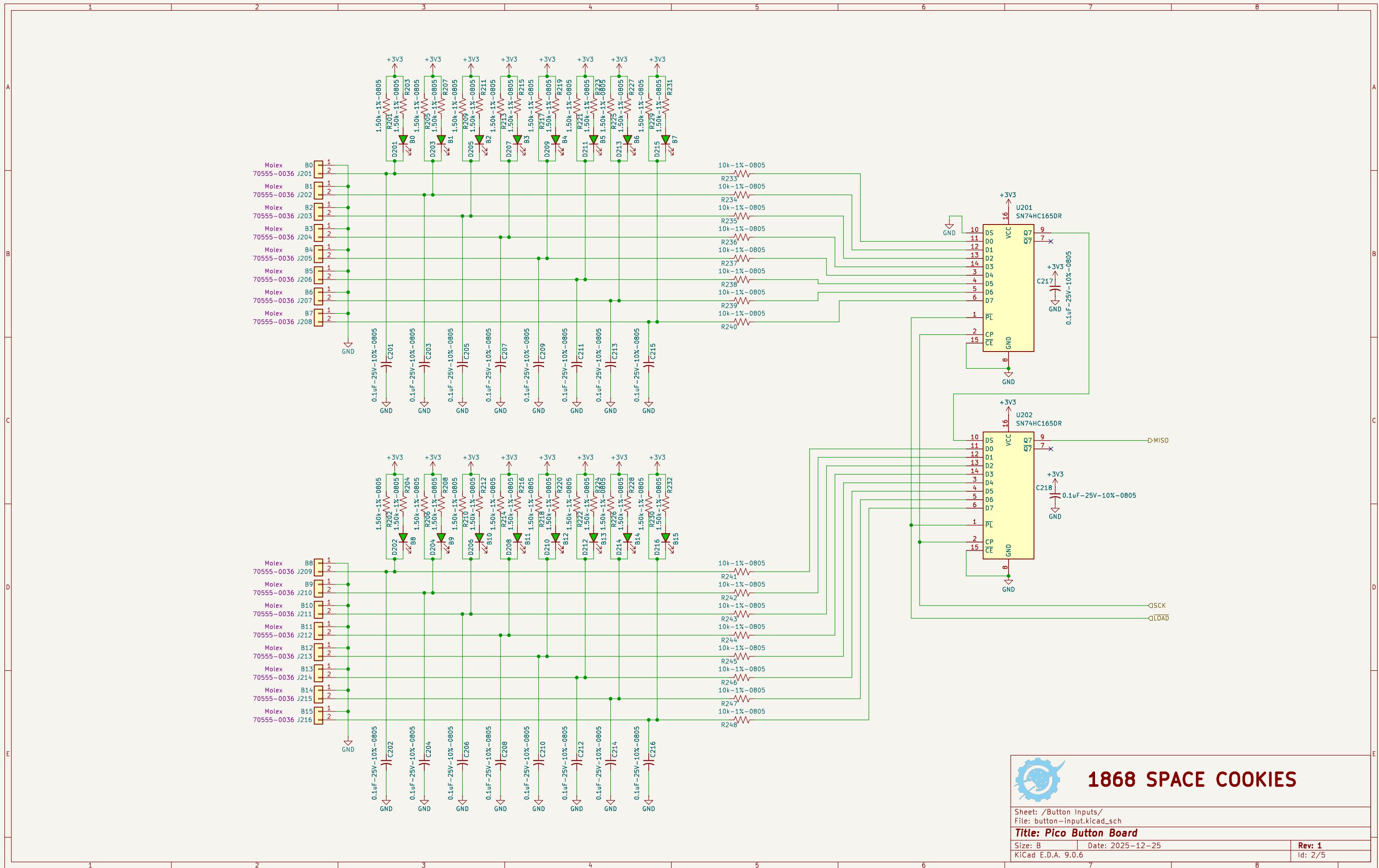
Title: Pico Button Board

Size: B Date: 2025-12-25

KiCad E.D.A. 9.0.6

Rev: 1

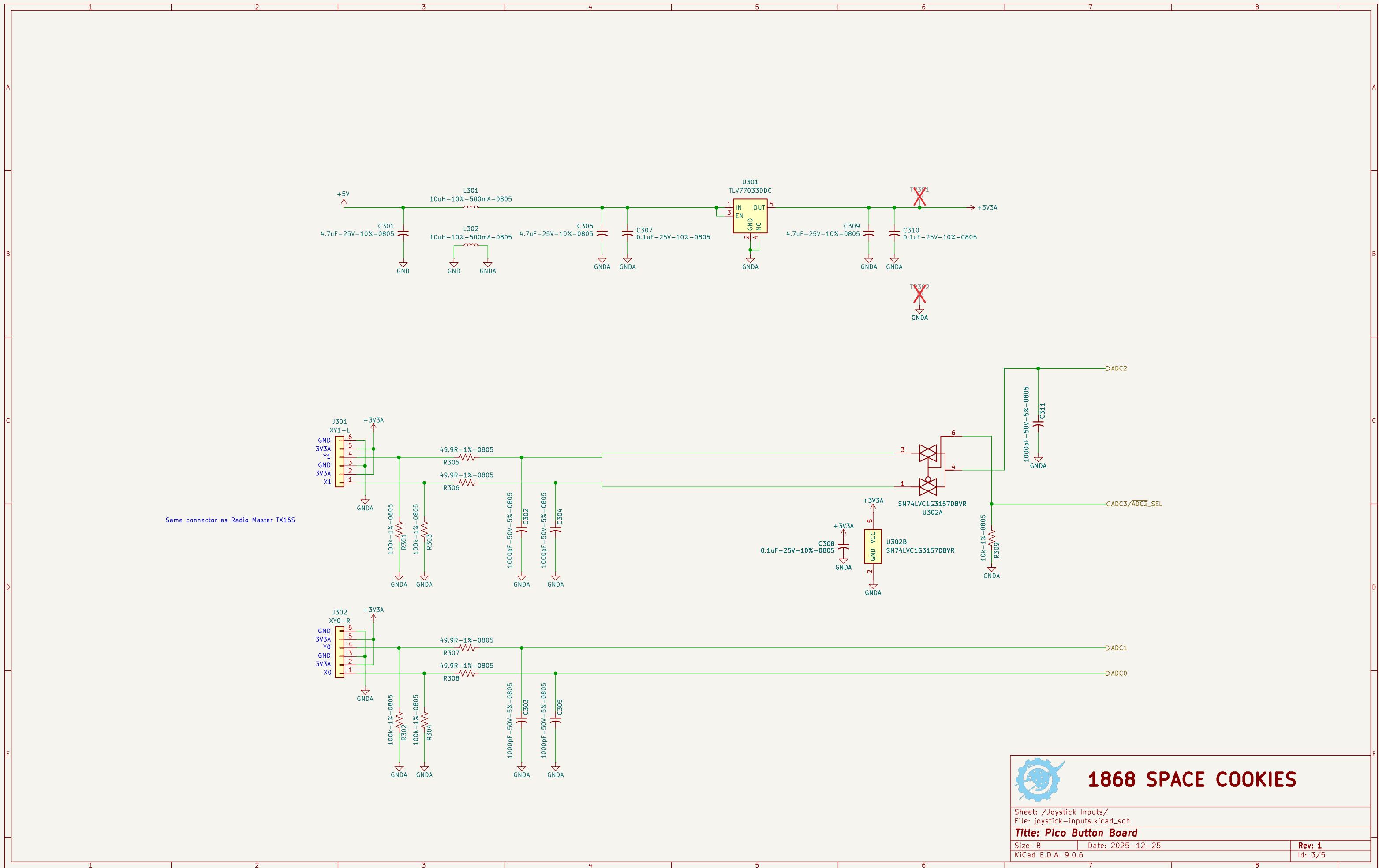
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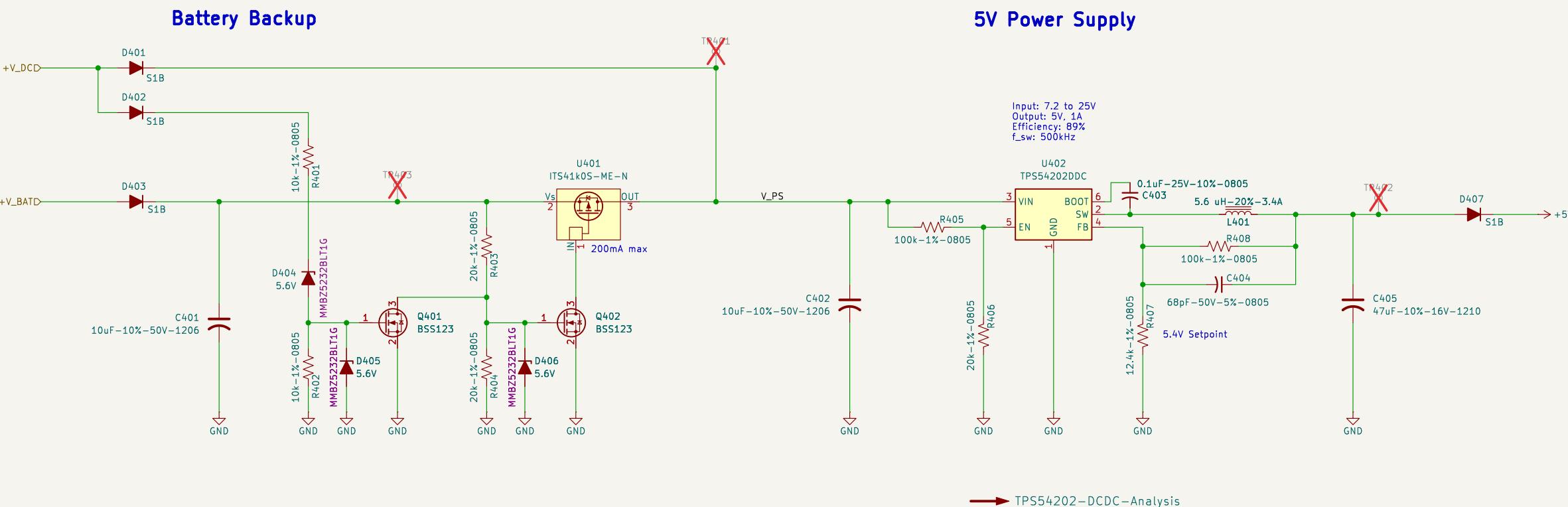
1868 SPACE COOKIES

Sheet: /Button Inputs/  
File: button-input.kicad\_sch

Title: Pico Button Board  
Size: B Date: 2025-12-25  
KiCad E.D.A. 9.0.6 Id: 2/5



Power supply input range: 8V – 30V  
 – Allows use of M12 and M18 Milwaukee battery packs.  
 – Input power can be sourced from either a Milwaukee battery pack or an AC power adapter.  
 – Voltage of the battery pack may be higher than the AC adapter.  
 – The battery pack is disabled from supplying power whenever the AC adapter is greater than 9V.  
 – All inputs are protected from reverse polarity

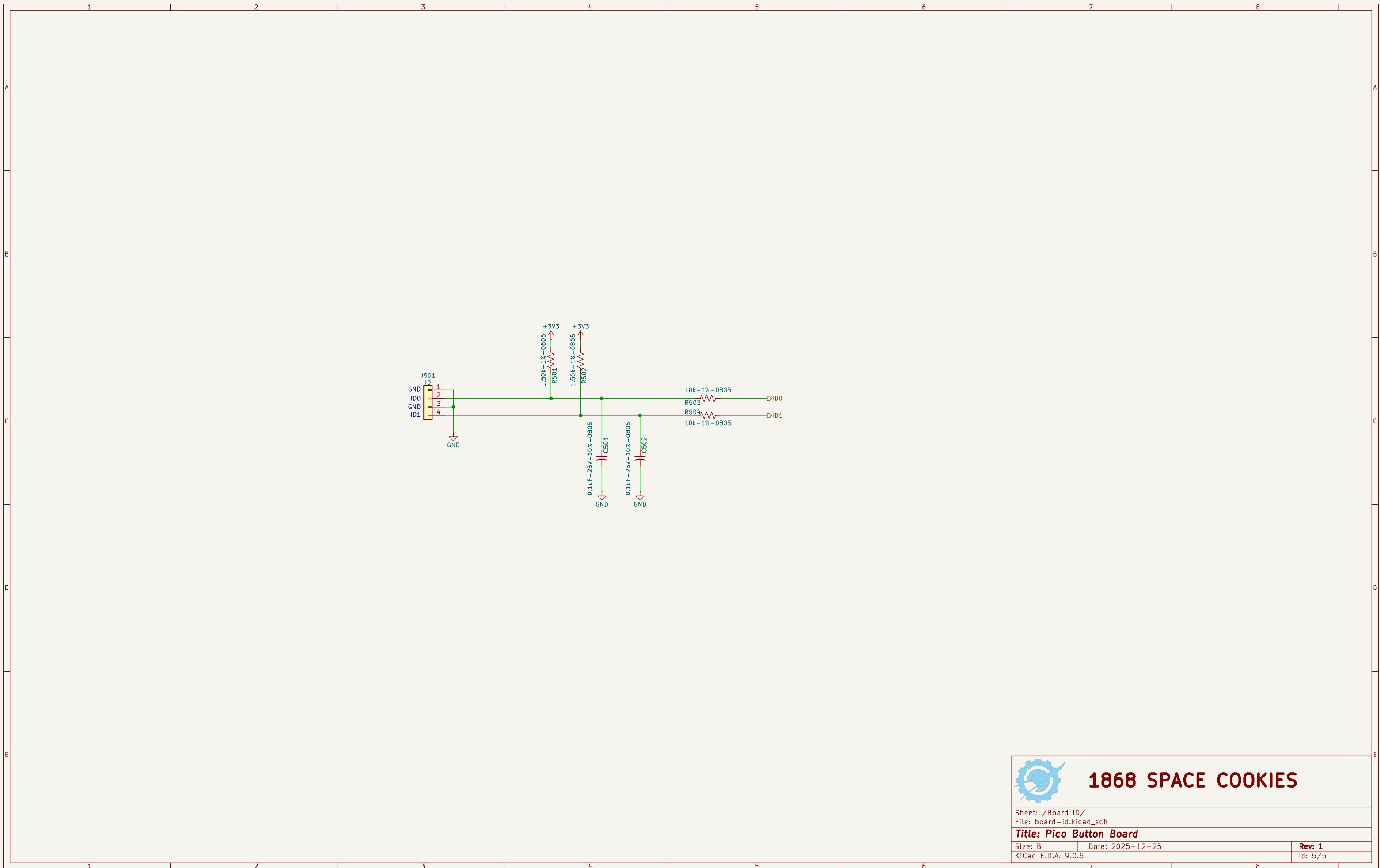


1868 SPACE COOKIES

Sheet: /Power Supply/  
 File: power-supply.kicad\_sch

**Title: Pico Button Board**  
 Size: B Date: 2025-12-25  
 KiCad E.D.A. 9.0.6 Id: 4/5

1 2 3 4 5 6 7 8



**1868 SPACE COOKIES**

Sheet: /Board ID/  
File: board-id.kicad\_sch

**Title: Pico Button Board**

Size: B Date: 2025-12-25  
KiCad E.D.A. 9.0.6

Rev: 1  
Id: 5/5

1 2 3 4 5 6 7 8