

G1 → Space Cookies Logo



**1868 SPACE COOKIES**

Sheet: / File: Pico-ButtonBoard-v1.kicad\_sch

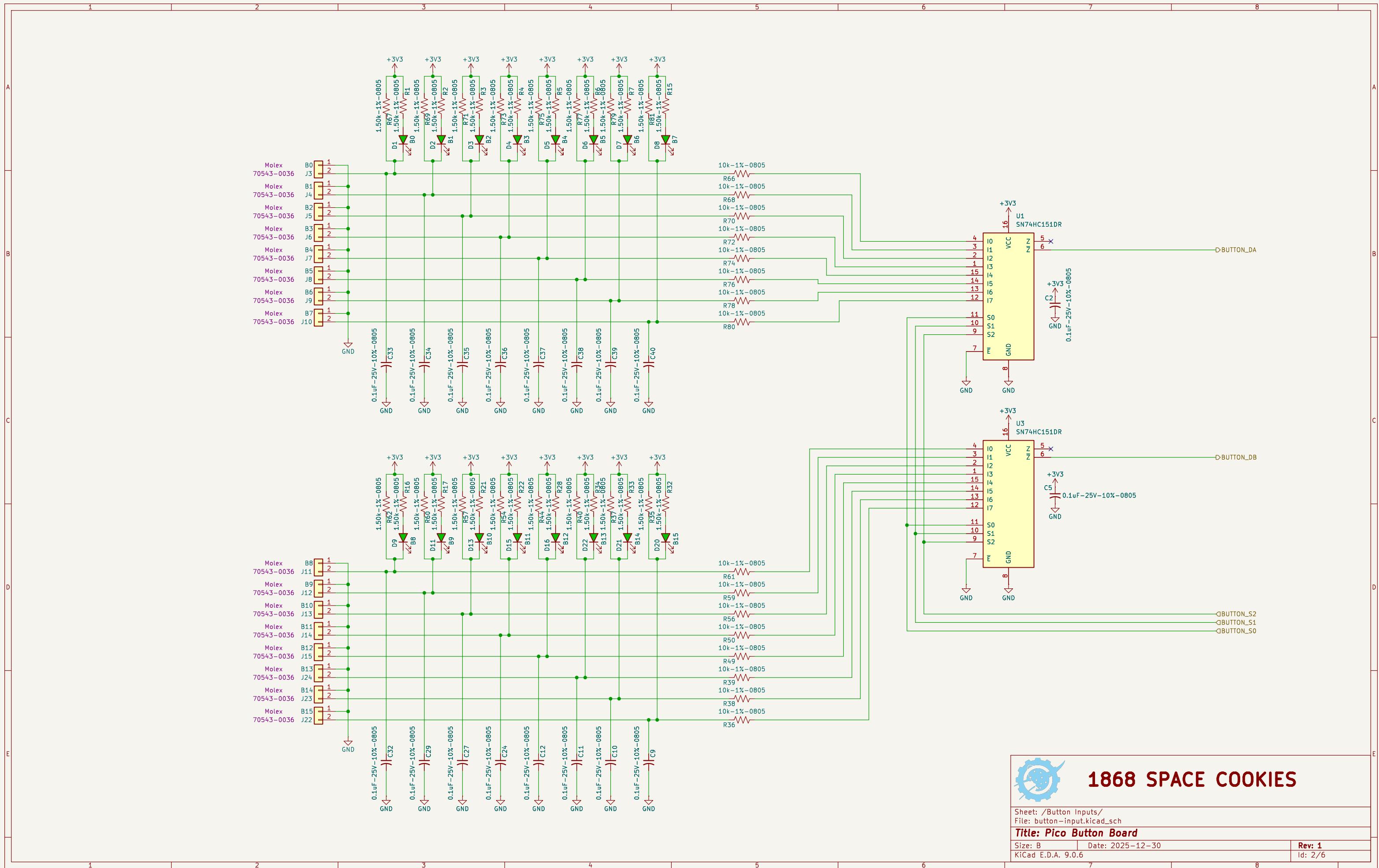
Title: Pico Button Board

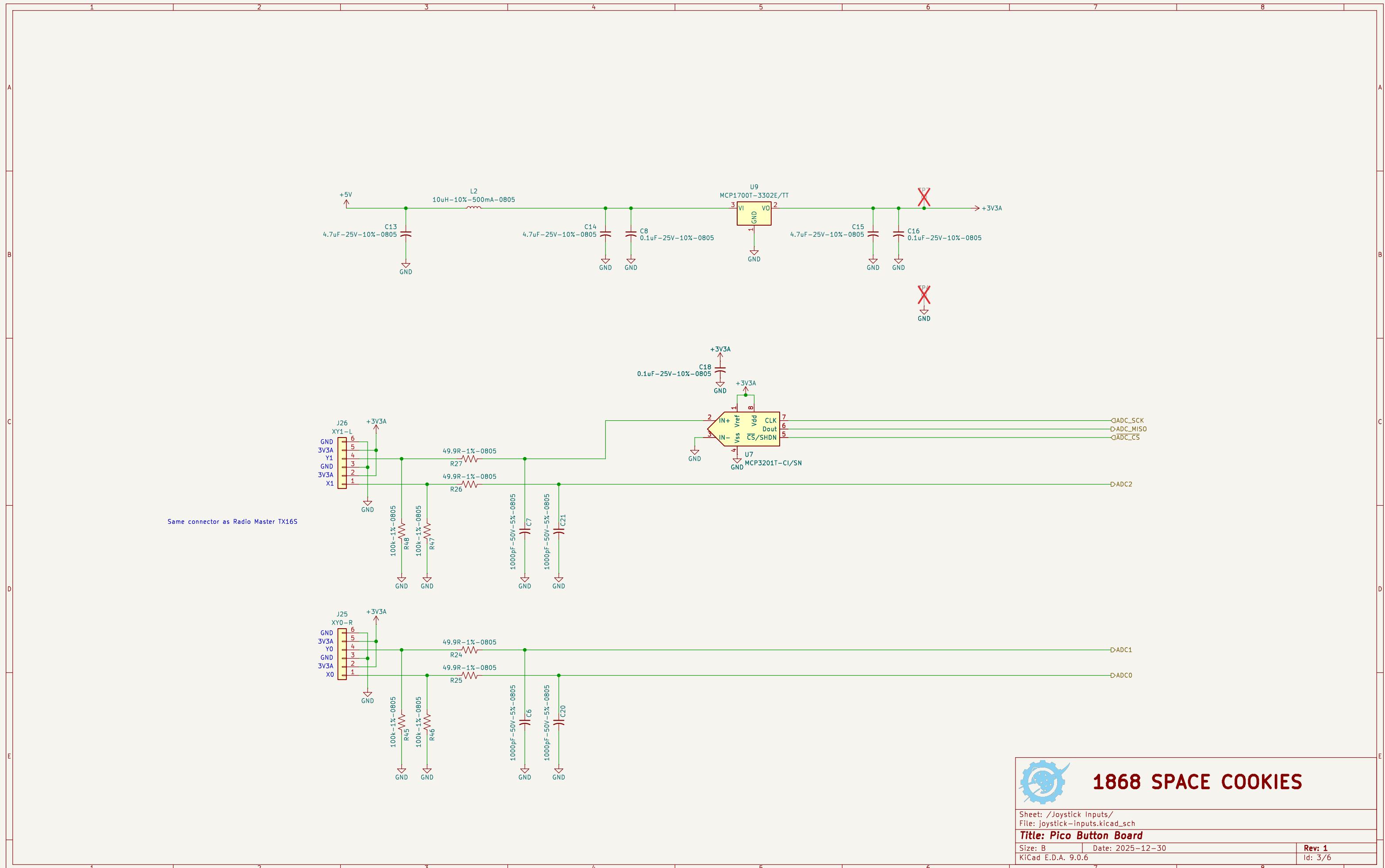
Size: B Date: 2025-12-30

KiCad E.D.A. 9.0.6

Rev: 1

Id: 1/6





**1868 SPACE COOKIES**

Sheet: /Joystick\_Inputs/  
File: joystick\_inputs.kicad\_sch

**Title: Pico Button Board**  
Size: B Date: 2025-12-30  
KiCad E.D.A. 9.0.6 Id: 3/6

1 2 3 4 5 6 7 8

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.

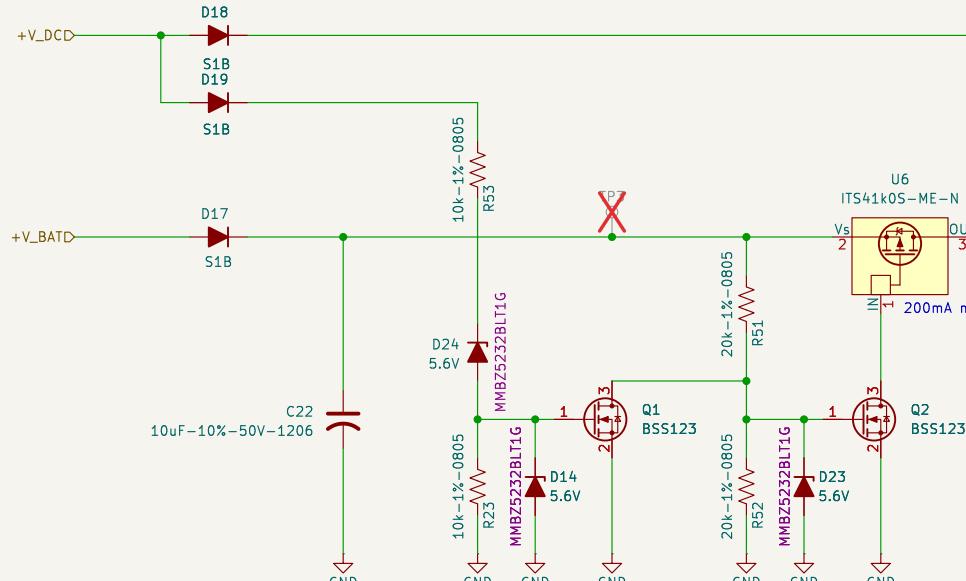
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A

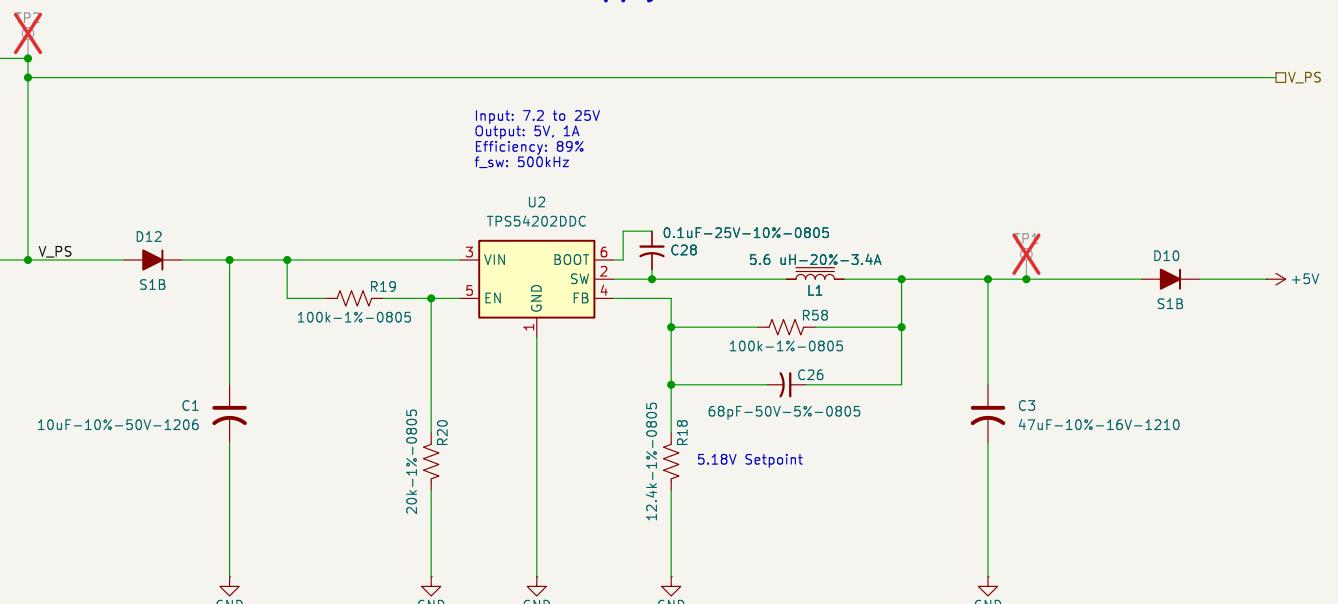
B

B

### Battery Backup



### 5V Power Supply



→ TPS54202-DCDC-Analyse



1868 SPACE COOKIES

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

Title: Pico Button Board

Size: B Date: 2025-12-30

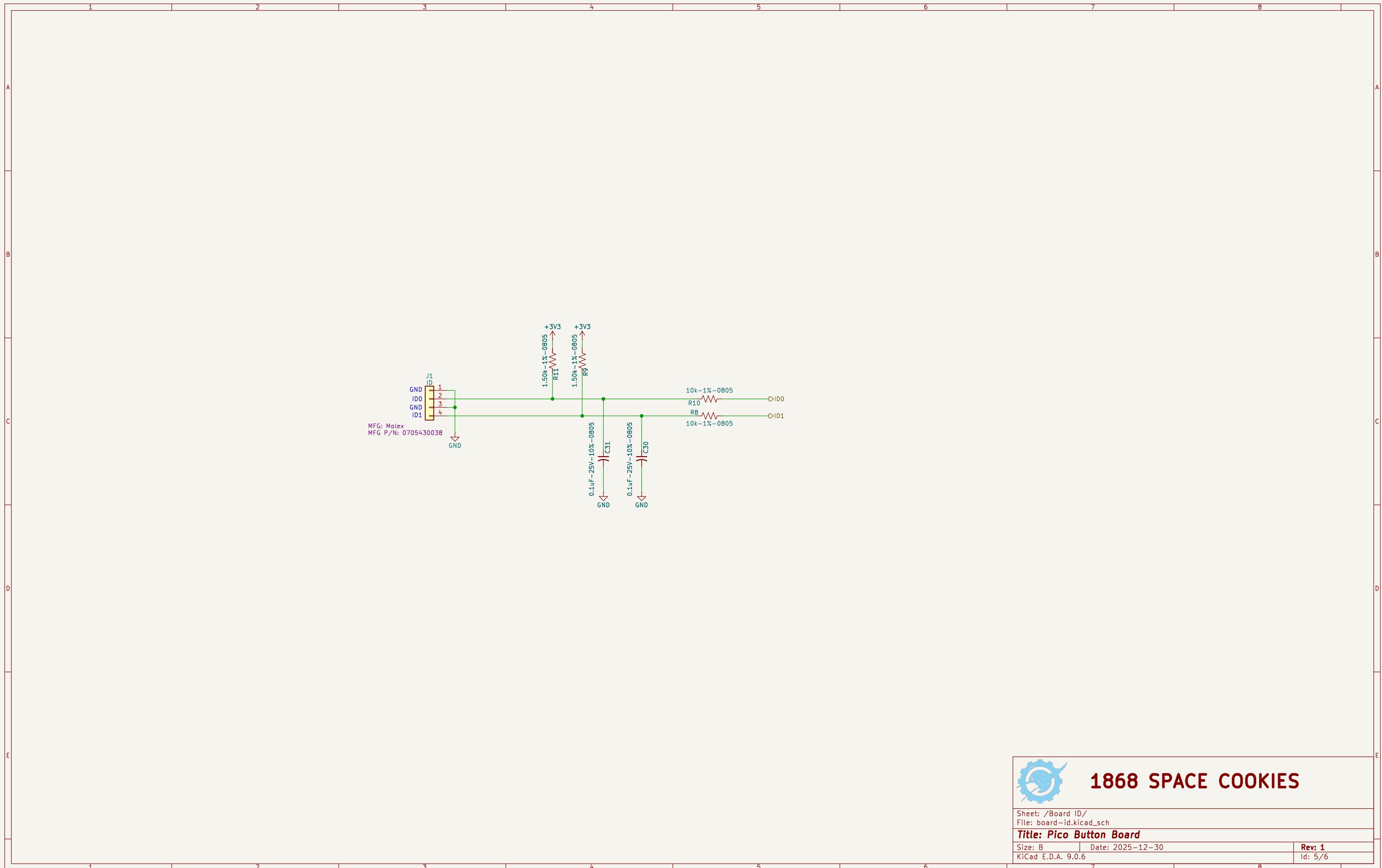
KiCad E.D.A. 9.0.6

Rev: 1

Id: 4/6

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8



**1868 SPACE COOKIES**

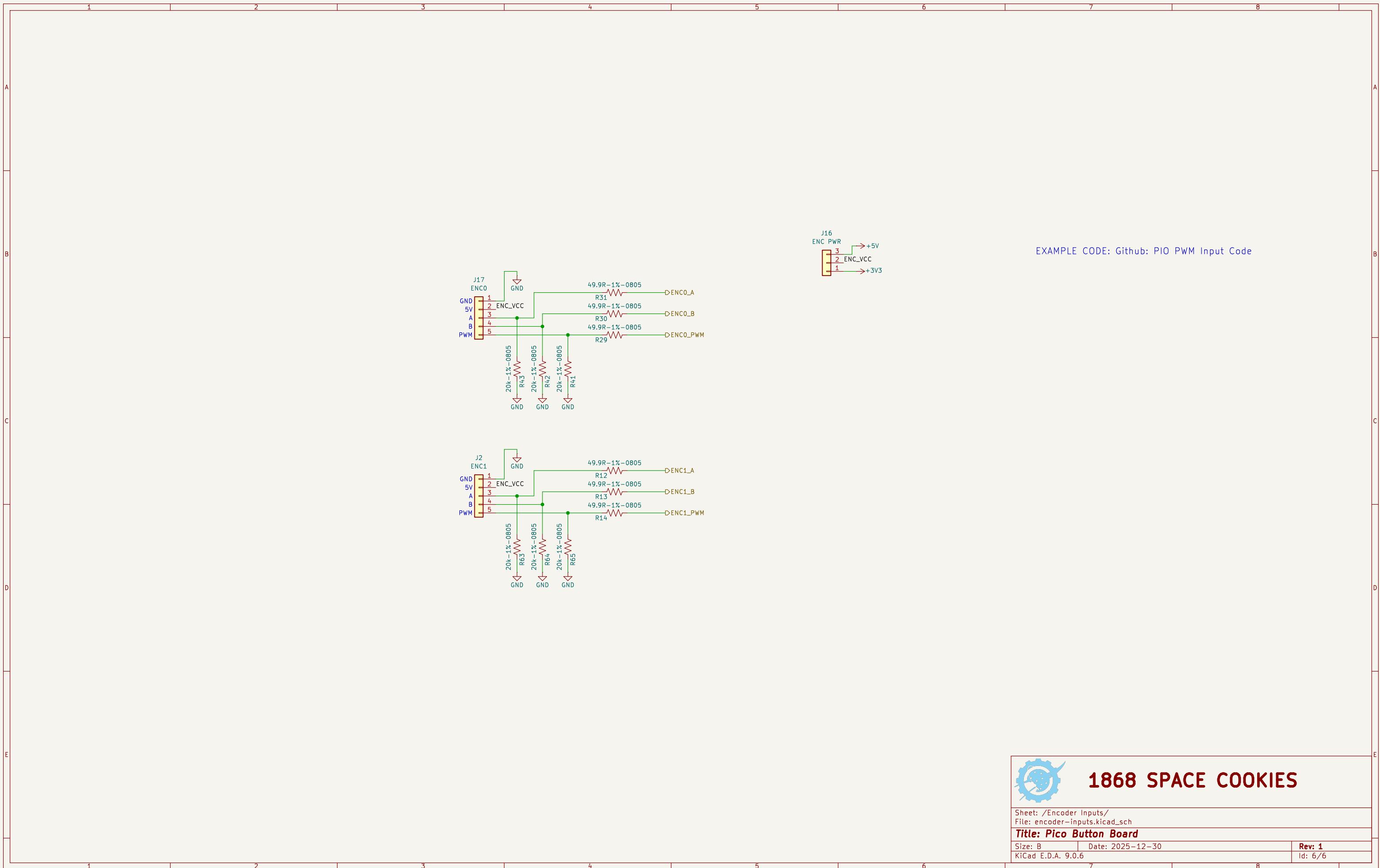
Sheet: /Board ID/  
File: board-id.kicad\_sch

**Title: Pico Button Board**

Size: B Date: 2025-12-30  
KiCad E.D.A. 9.0.6

Rev: 1  
Id: 5/6

1 2 3 4 5 6 7 8



**1868 SPACE COOKIES**

Sheet: /Encoder\_Inputs/  
File: encoder-inputs.kicad\_sch

**Title: Pico Button Board**  
Size: B Date: 2025-12-30  
KiCad E.D.A. 9.0.6 Id: 6/6