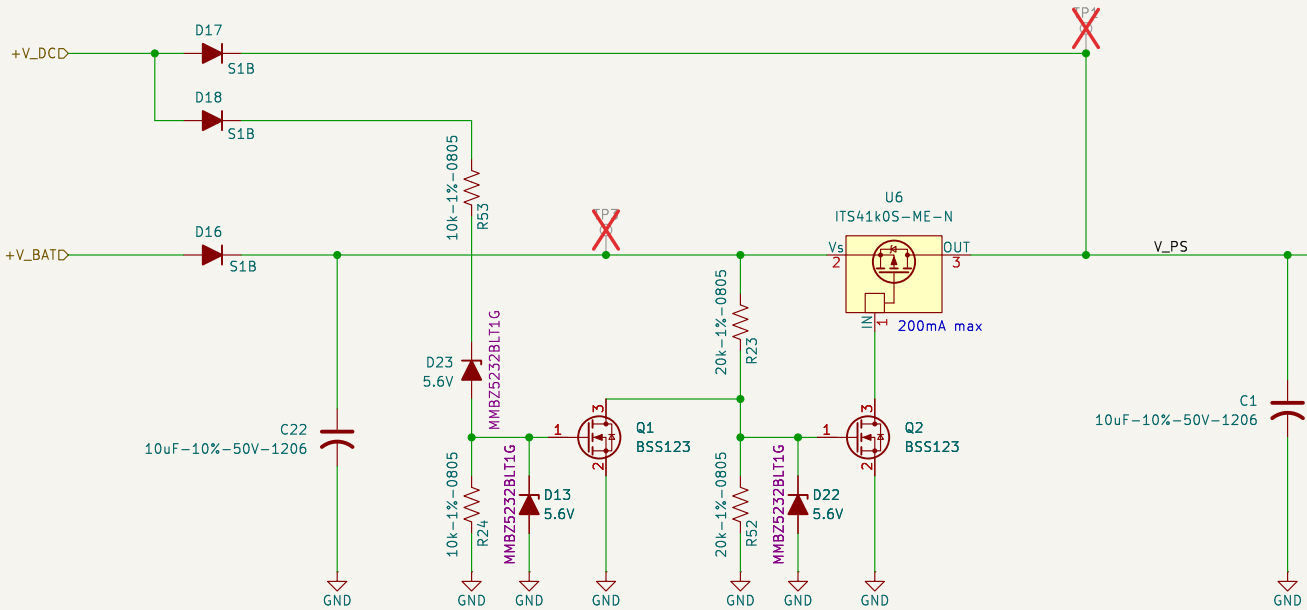
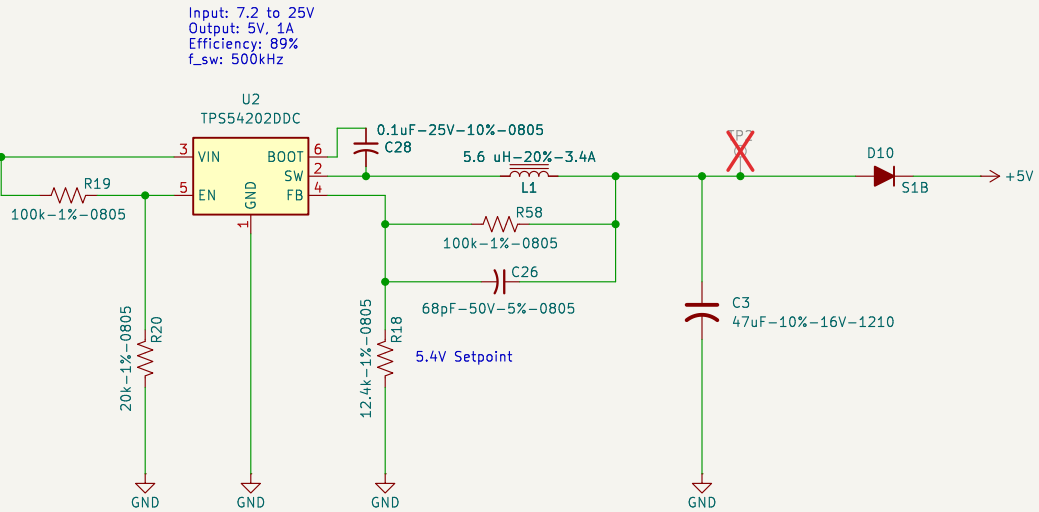


Power supply input range: 8V – 30V  
– Allows use of M12 and M18 Milwaukee battery packs.  
– Input power can be sourced from either a Milwaukee battery pack an AC power adapter.  
– Voltage of the battery pack may be higher than the AC adapter.  
– The battery pack is disabled from supplying power whenever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

Battery Backup



5V Power Supply

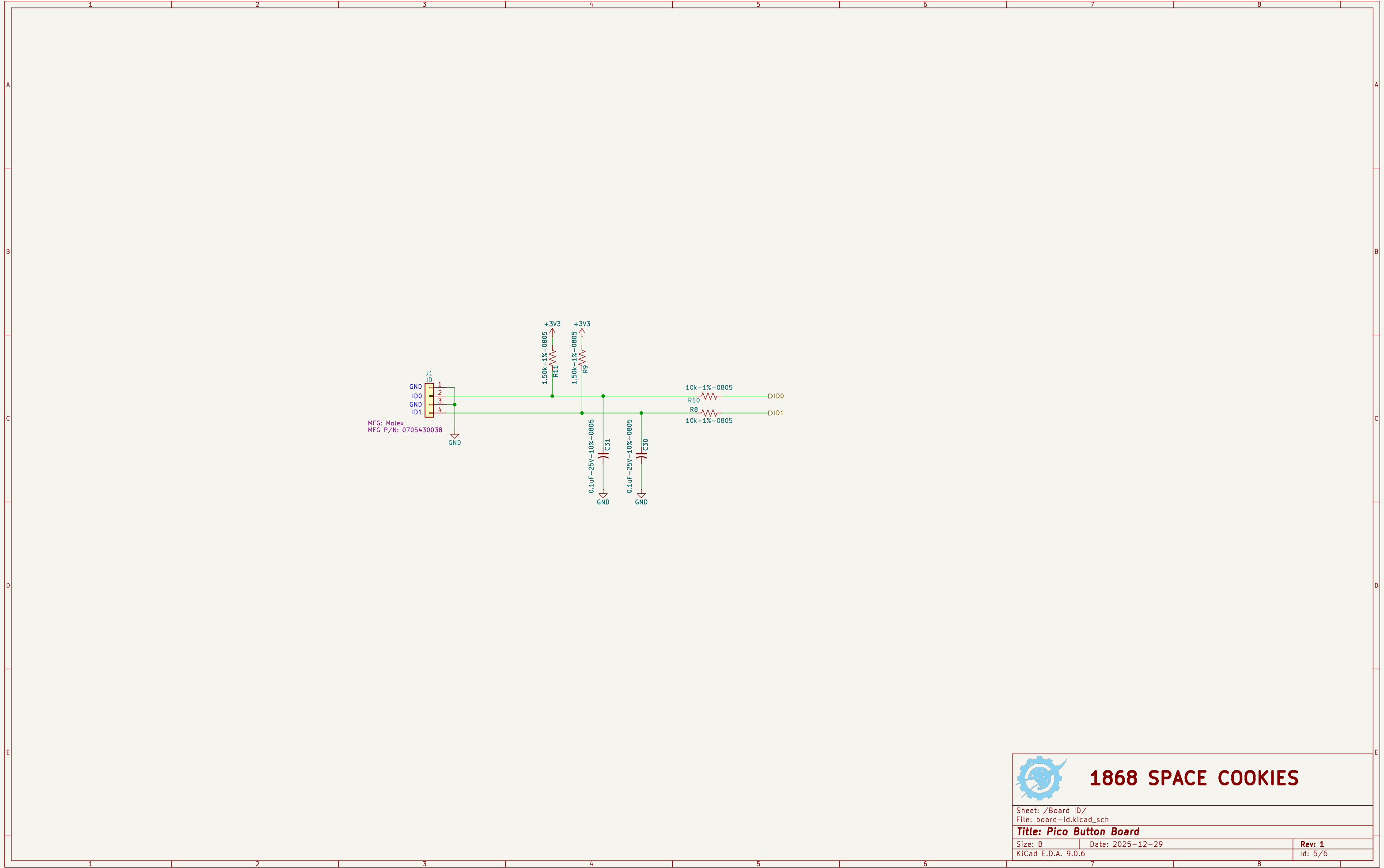


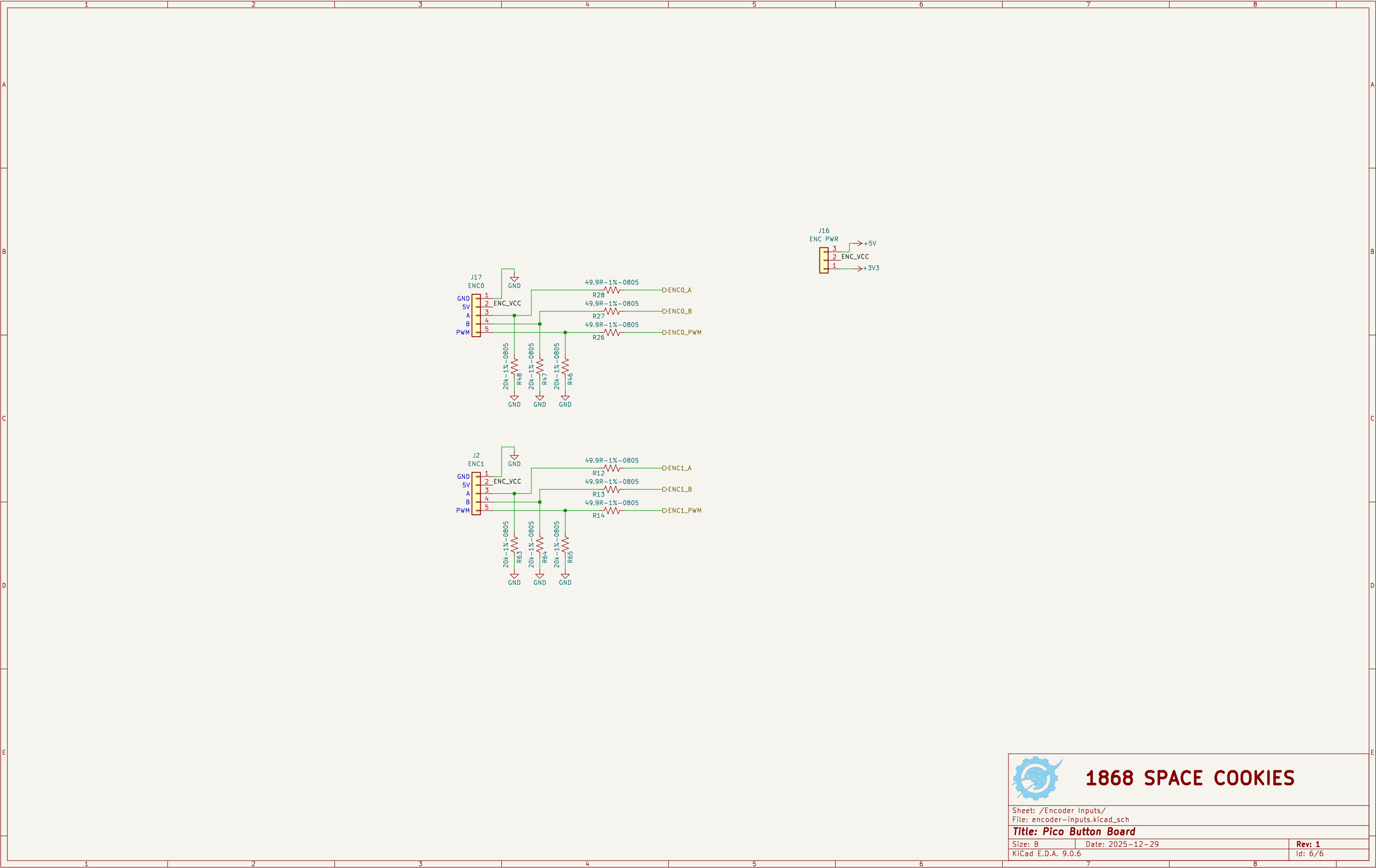
TPS54202-DCDC-Analysis



1868 SPACE COOKIES

|   |                  |               |
|---|------------------|---------------|
| Sheet: /Power Supply/<br>File: power-supply.kicad_sch |                  |               |
| Title: <b>Pico Button Board</b>                       |                  |               |
| Size: B   | Date: 2025-12-29 | Rev: <b>1</b> |
| KiCad E.D.A. 9.0.6                                    |                  | Id: 4/6       |





# 1868 SPACE COOKIES

|   |                  |         |
|---|------------------|---------|
| Sheet: /Encoder Inputs/<br>File: encoder-inputs.kicad_sch |                  |         |
| Title: <b>Pico Button Board</b>                           |                  |         |
| Size: B   | Date: 2025-12-29 | Rev: 1  |
| KiCad E.D.A. 9.0.6  |                  | Id: 6/6 |