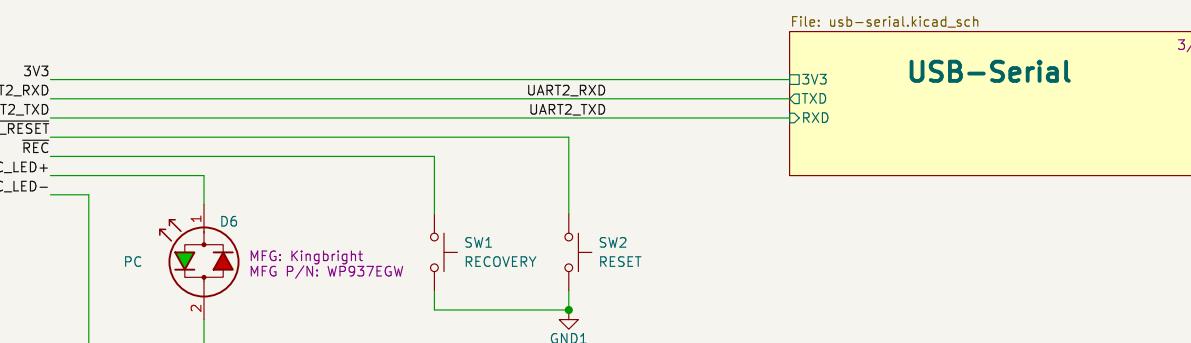
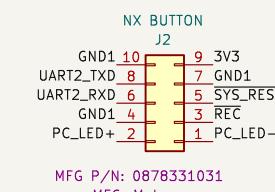


Spacer - OD: 4mm  
Screw - M2 - 1.9mm OD

- Seeed Studio J401 Carrier Board
- Seeed Studio J401 Carrier Board Schematic
- Seeed Studio J401 Carrier Board Datasheet
- J401 Measurements



- FID3 Fiducial
- FID2 Fiducial
- FID1 Fiducial

CONN1 → 10 Pin Receptical 2mm  
CONN2 → 10 Pin Receptical 2mm  
MFG: Molex  
MFG P/N: 0875681073  
  
W1 → 10 Conductor 1mm Pitch Ribbon Cable  
MFG: Assmann WSW Components  
MFG P/N: AWG28-10/G-1/300

→ SPACE COOKIES LOGO

12mm M2.5 threaded standoff  
McMaster: 95947A007

- H17 Zip Tie Slot
- H18 Zip Tie Slot
- H19 Zip Tie Slot
- H2 MountingHole
- H3 MountingHole
- H6 MountingHole
- H5 MountingHole

- |                          |                          |
|--------------------------|--------------------------|
| ○ H13 1.5mm Tooling Hole | ○ H15 1.5mm Tooling Hole |
| ○ H14 1.5mm Tooling Hole | ○ H16 1.5mm Tooling Hole |
| ○ H7 Tooling Hole        | ○ H1 Tooling Hole        |
| ○ H8 Tooling Hole        | ○ H4 Tooling Hole        |
| ○ H9 Tooling Hole        | ○ H10 Tooling Hole       |



1868 SPACE COOKIES

Sheet: /

File: NX-J401-Adapter.kicad\_sch

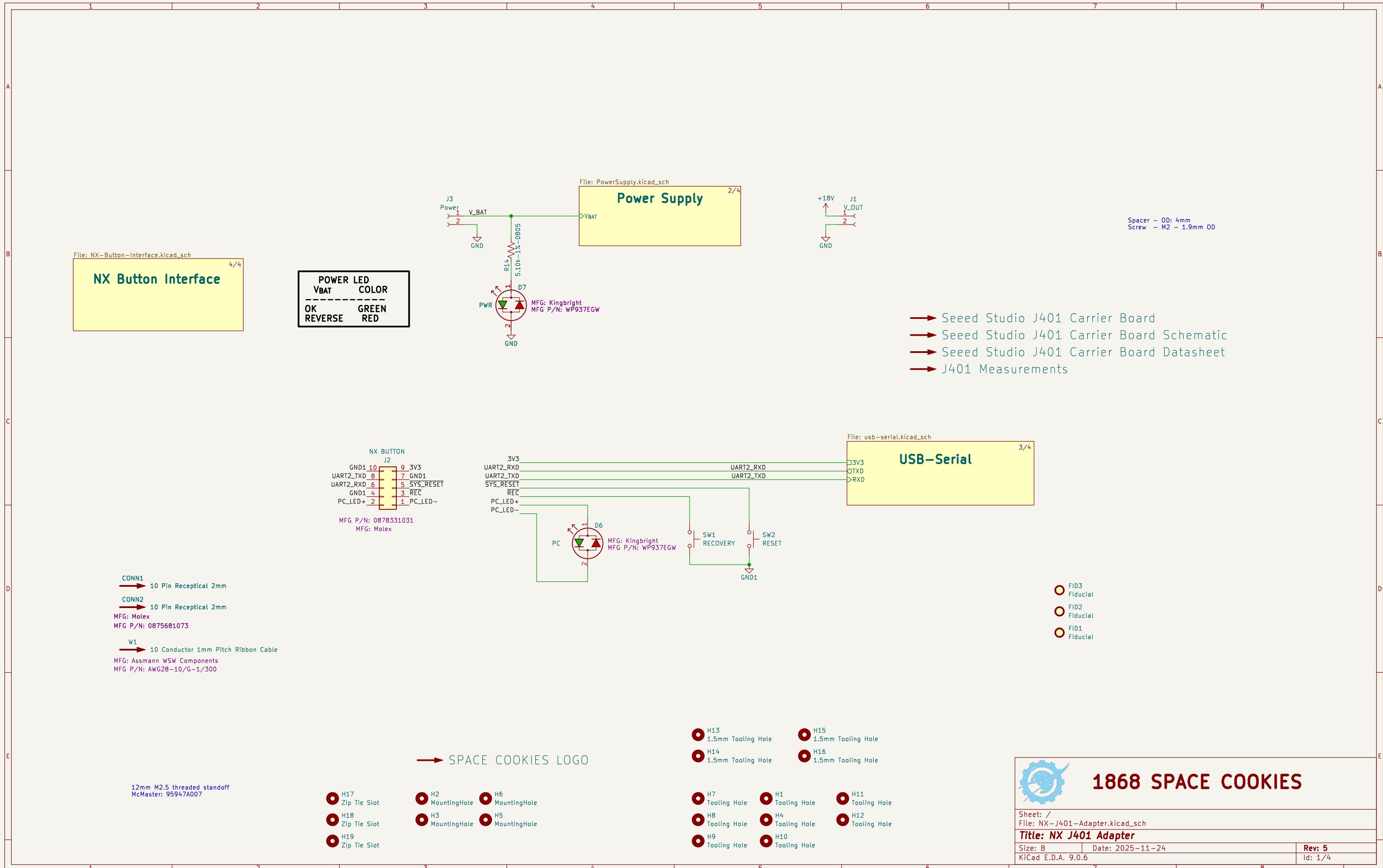
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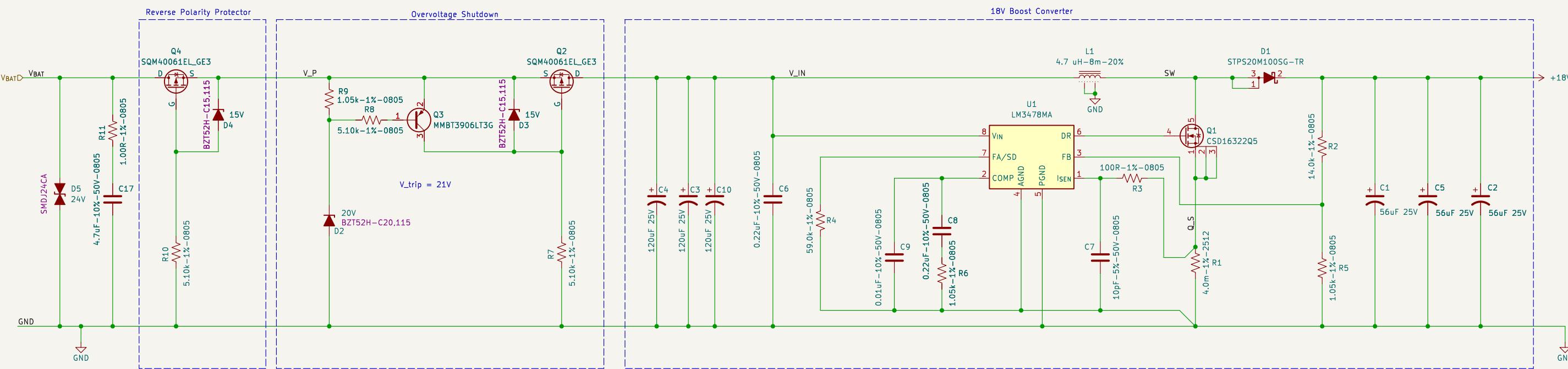
Size: B Date: 2025-11-24

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Rev: 5

Id: 1/4





	MIN	NOM	MAX	UNITS
Vbat	5	18	V	
Input Current	12	3	A	
Vout	18	V		
Output Current	3	A		
Eff @10V	95.5	%		
Eff @5V	92	%		

→ Analysis/WBDesign84-LM3478-18V-3A-boost.pdf



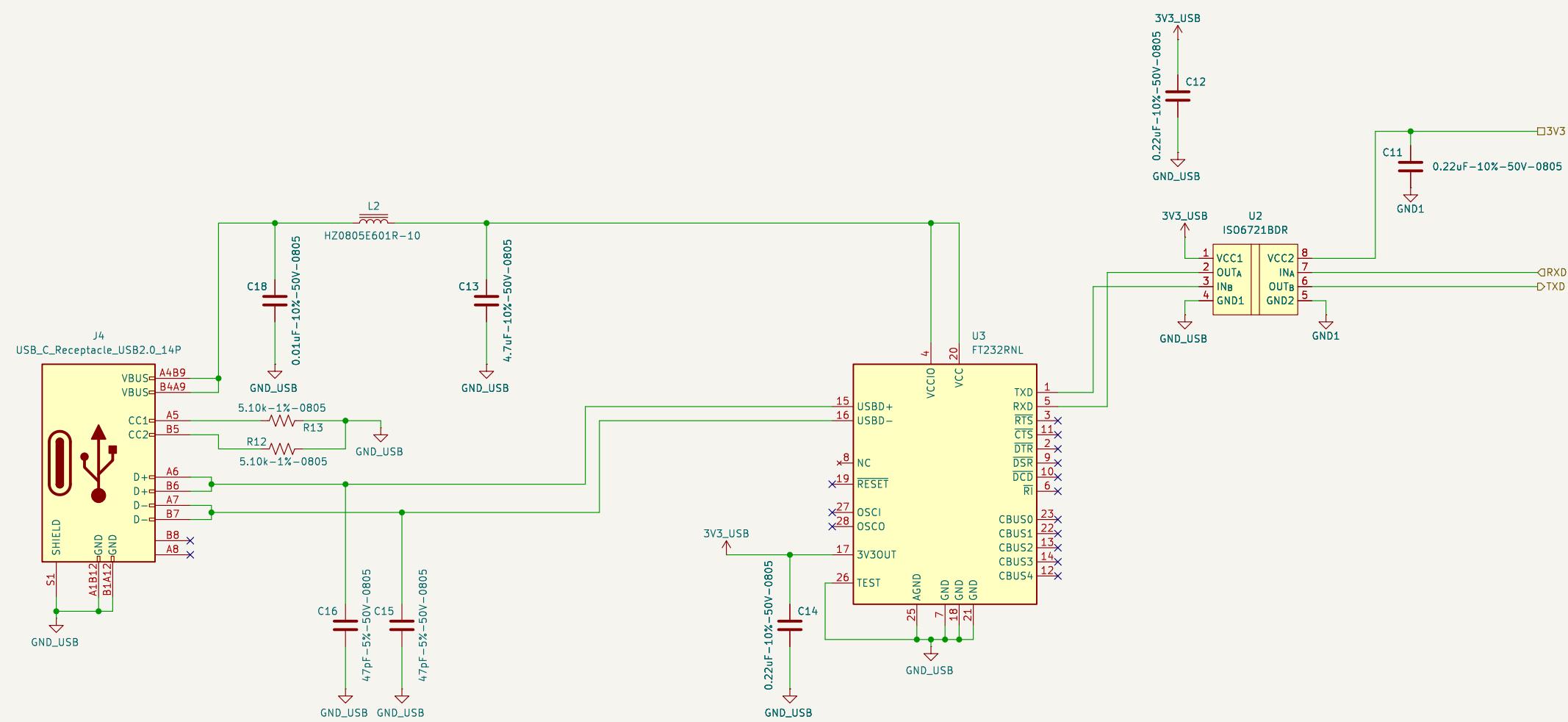
1868 SPACE COOKIES

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Title: NX J401 Adapter

Size: B Date: 2025-11-24  
KiCad E.D.A. 9.0.6

Rev: 5  
Id: 2/4



<https://hackaday.com/2023/08/07/all-about-usb-c-example-circuits/>



1868 SPACE COOKIES

Sheet: /USB-Serial/  
File: usb-serial.kicad\_sch

Title: NX J401 Adapter

Size: B Date: 2025-11-24  
KiCad E.D.A. 9.0.6

Rev: 5  
Id: 3/4

1 2 3 4 5 6 7 8

