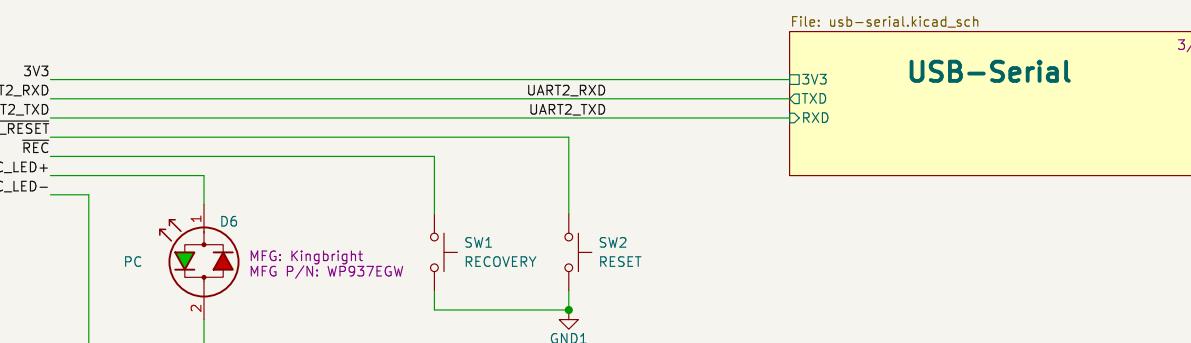
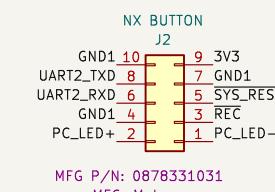


Spacer - OD: 4mm  
Screw - M2 - 1.9mm OD

- 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: 0511101060  
W1 → 10 Conductor 1mm Pitch Ribbon Cable  
MFG: Assmann WSW Components  
MFG P/N: AWG28-10/G-1/300

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
- H14 1.5mm Tooling Hole
- H15 1.5mm Tooling Hole
- H16 1.5mm Tooling Hole
- H7 Tooling Hole
- H8 Tooling Hole
- H9 Tooling Hole
- H11 Tooling Hole
- H12 Tooling Hole
- H10 Tooling Hole

→ SPACE COOKIES LOGO



1868 SPACE COOKIES

Sheet: /

File: NX-J401-Adapter.kicad\_sch

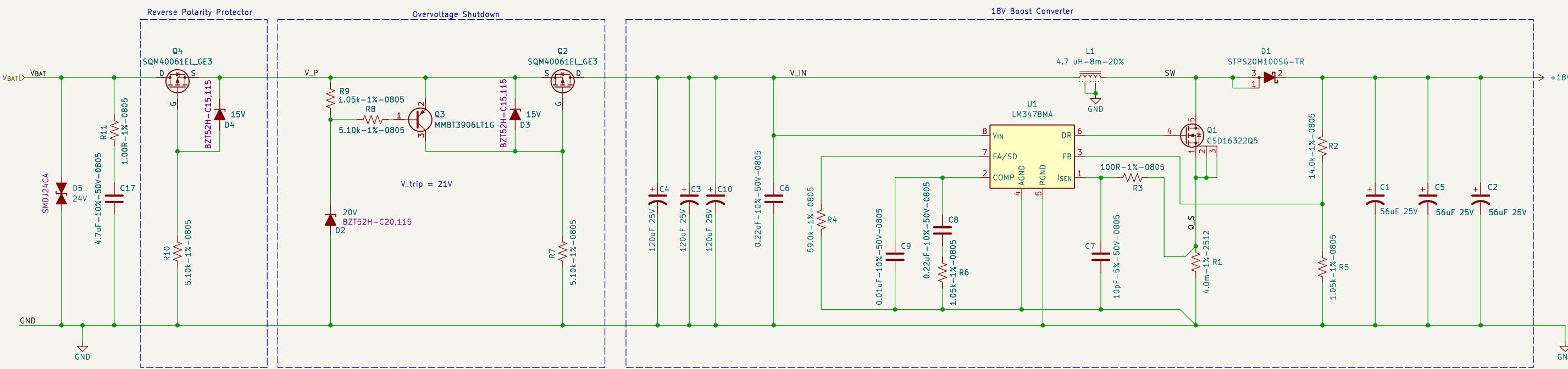
Title: NX J401 Adapter

Size: B Date: 2025-11-24

KiCad E.D.A. 9.0.6

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

Sheet: /Power Supply/  
File: PowerSupply.kicad\_sch

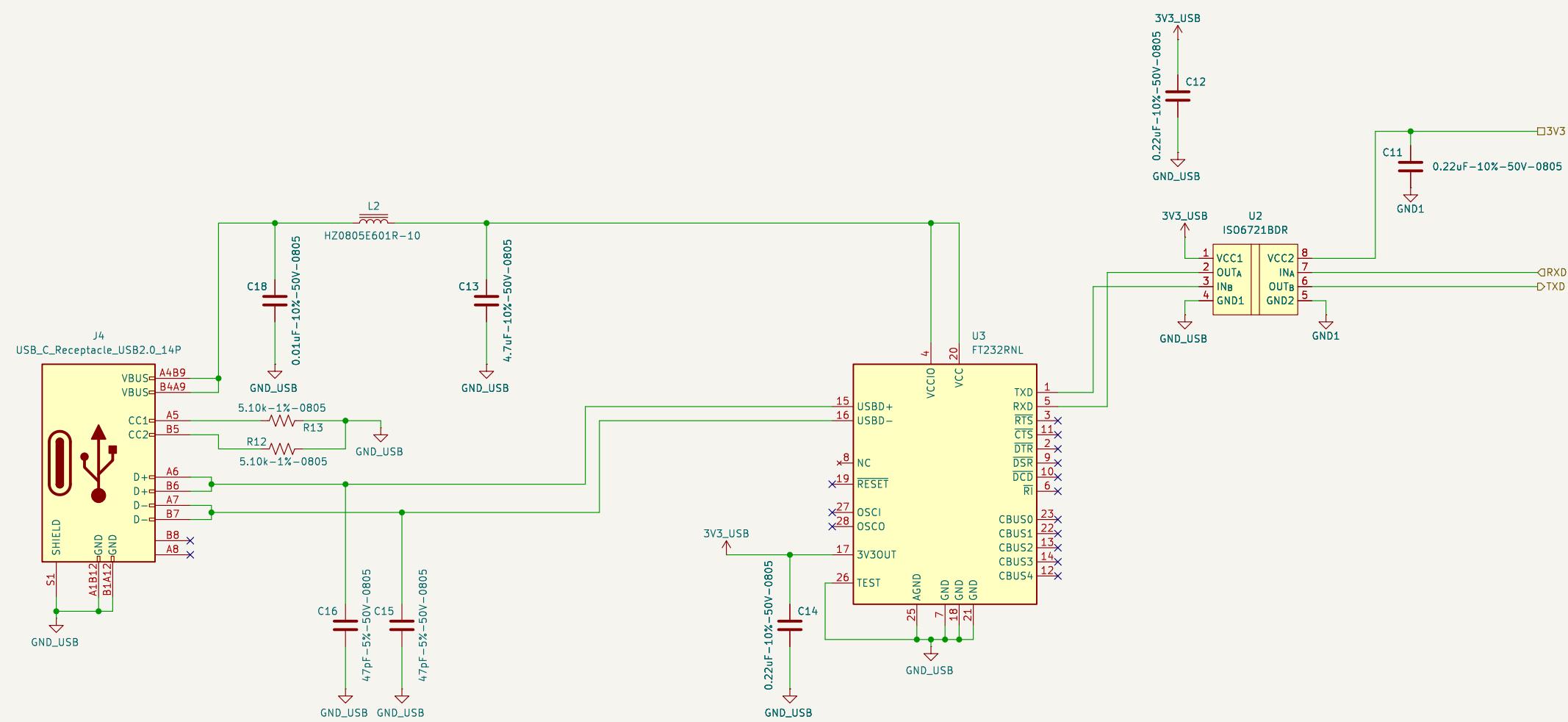
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Size: B Date: 2025-11-24

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

