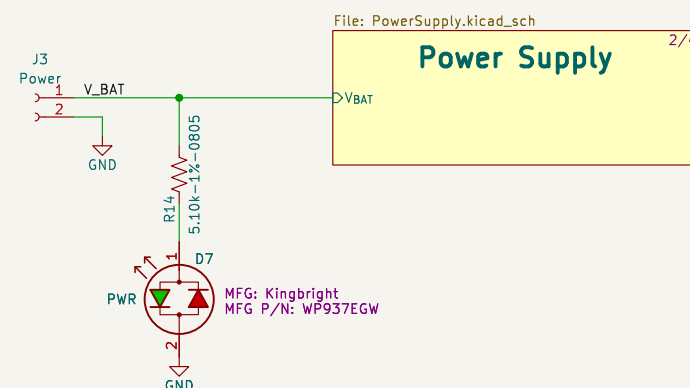


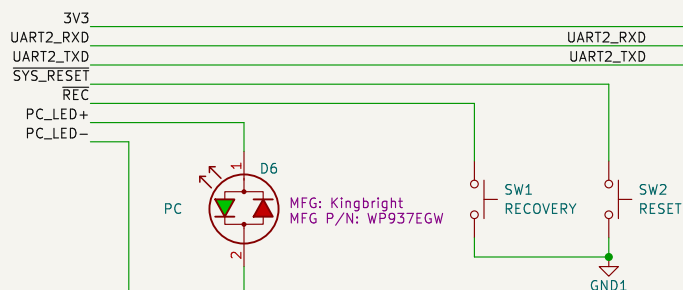
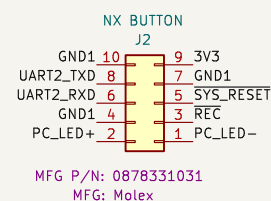


POWER	LED
V _{BAT}	COLOR
OK	GREEN
REVERSE	RED



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

12mm M2.5 threaded standoff
McMaster: 95947A007

→ SPACE COOKIES LOGO

-  H2
MountingHole
  H6
MountingHole
-  H3
MountingHole
  H5
MountingHole

- | | | |
|--|---|---|
|  H7
Tooling Hole |  H1
Tooling Hole |  H11
Tooling Hole |
|  H8
Tooling Hole |  H4
Tooling Hole |  H12
Tooling Hole |
|  H9
Tooling Hole |  H10
Tooling Hole | |



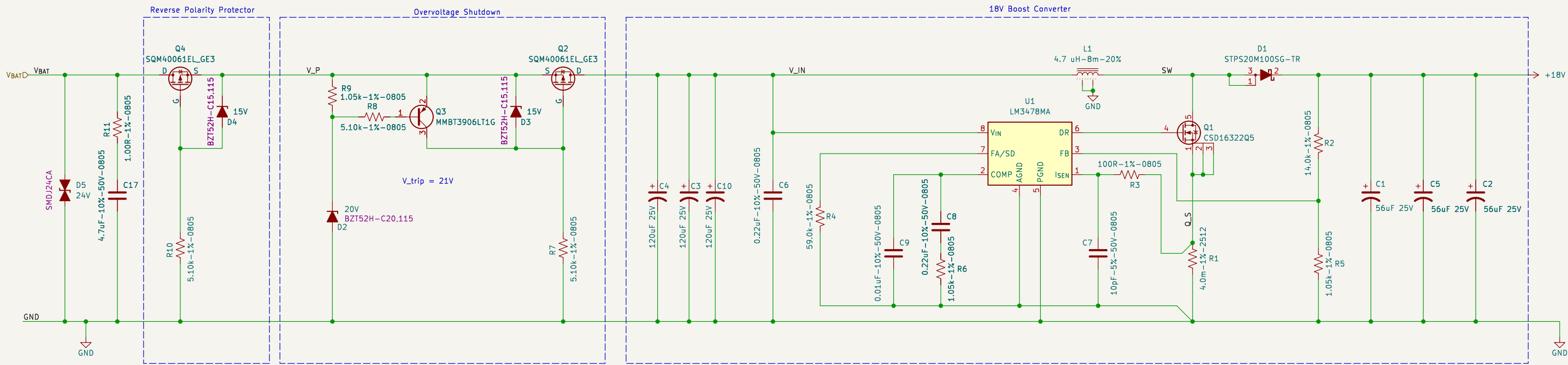
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File: NX-J401-Adapter.kicad_sch

Title: NX J401 Adapter

Size: B	
KiCad E.D.A. 9.0.5	

Date: 2025-10-19

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

Title: NX J401 Adapter

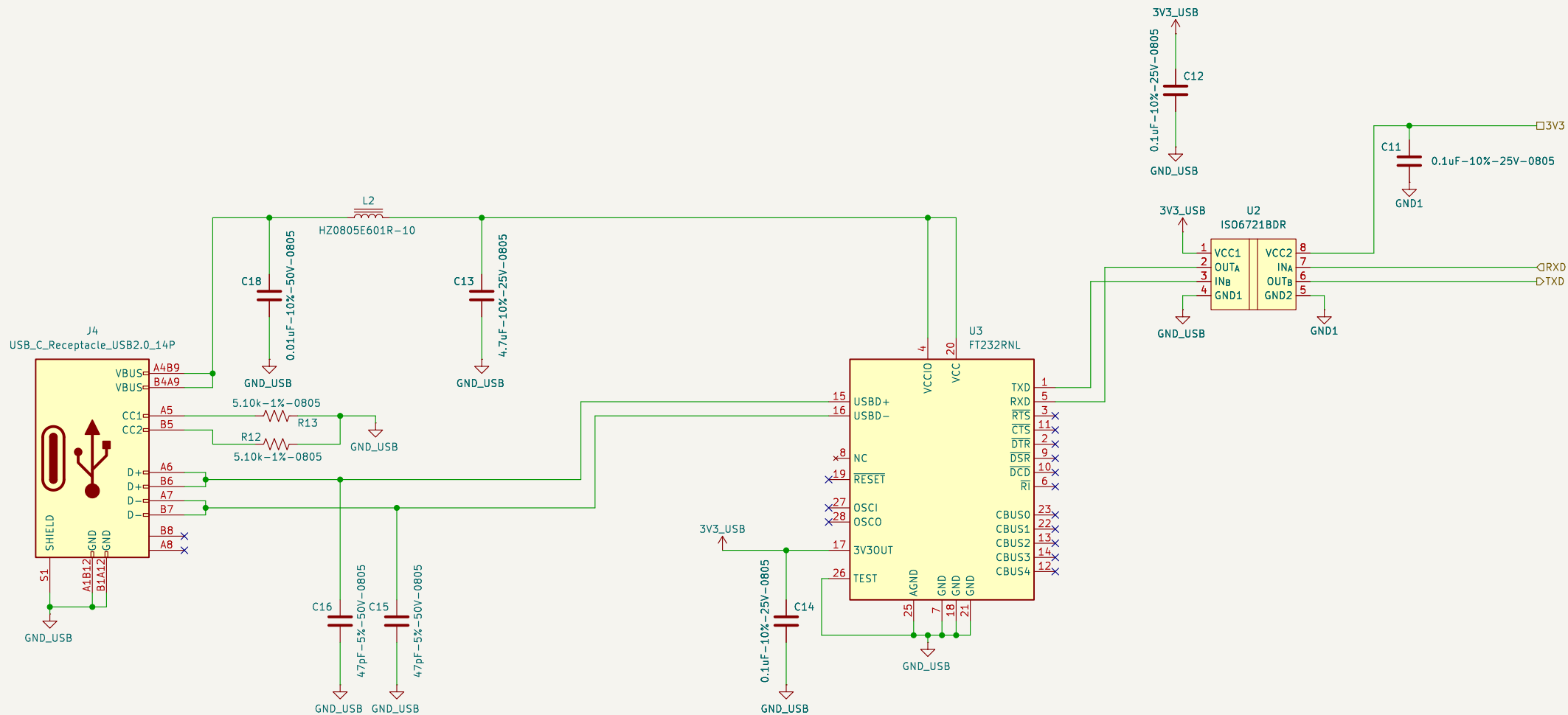
Size: B

Date: 2025-10-19

Rev: 5

KiCad E.D.A. 9.0.5

Id: 2/4

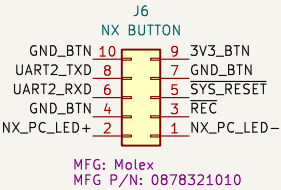
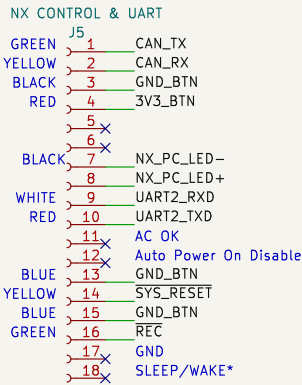


<https://hackaday.com/2023/08/07/all-about-usb-c-example-circuits/>



1868 SPACE COOKIES

Sheet: /USB-Serial/ File: usb-serial.kicad_sch		
Title: NX J401 Adapter		
Size: B	Date: 2025-10-19	Rev: 5
KiCad E.D.A. 9.0.5		Id: 3/4



distance from Pin 15 to spacer= 0.991"
pin 15 to nx-interface = 0.854"
pin 15 to bottom edge of board = 0.115"

→ SPACE COOKIES LOGO



1868 SPACE COOKIES

Sheet: /NX Button Interface/ File: NX-Button-Interface.kicad_sch		
Title: NX J401 Adapter		
Size: B	Date: 2025-10-19	Rev: 5
KiCad E.D.A. 9.0.5		Id: 4/4