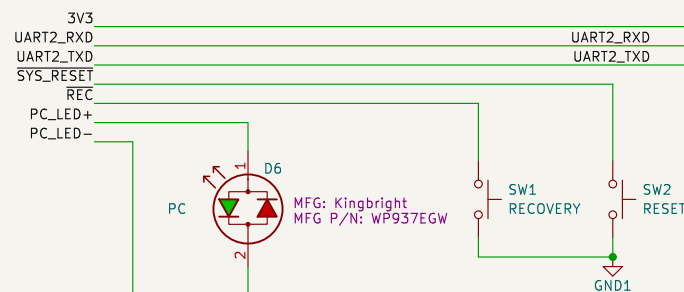
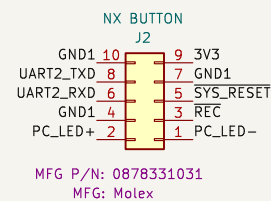






Spacer – OD: 4mm  
Screw – M2 – 1.9mm OD






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










- 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

- FID3  
Fiducial
- FID2  
Fiducial
- FID1  
Fiducial

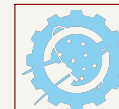
-  H13  
1.5mm Tooling Hole
  H15  
1.5mm Tooling Hole
-  H14  
1.5mm Tooling Hole
  H16  
1.5mm Tooling Hole

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

- |   |  |  |
|---|--|--|
|  H17<br>Zip Tie Slot |  H2<br>MountingHole |  H6<br>MountingHole |
|  H18<br>Zip Tie Slot |  H3<br>MountingHole |  H5<br>MountingHole |
|  H19<br>Zip Tie Slot |  |  |

→ SPACE COOKIES LOGO

12mm M2.5 threaded standoff  
McMaster: 95947A007



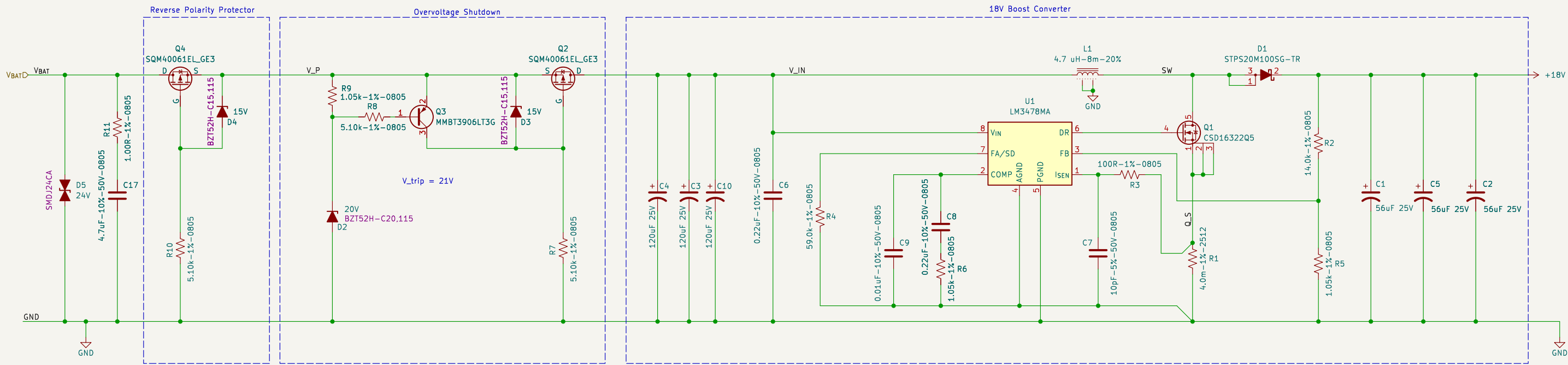
Sheet: /  
File: NX-J401-Adapter.kicad\_sch

**Title: NX J401 Adapter**

Size: B	
KiCad E.D.A. 9.0.6	

Date: 2025-11-24

Rev: 5  
d: 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: 2025-11-24

KiCad E.D.A. 9.0.6

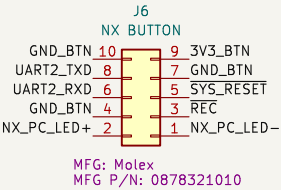
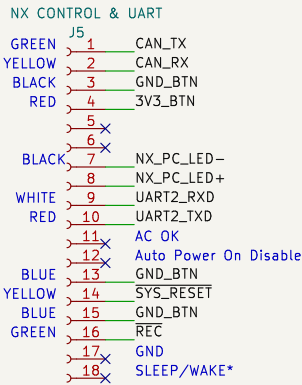
Rev: 5  
Id: 2/4

<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	Rev: 5
KiCad E.D.A. 9.0.6		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: 2025-11-24	Rev: 5
KiCad E.D.A. 9.0.6	Id: 4/4	