

	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: 2025-10-24

Rev: 5

KiCad E.D.A. 9.0.5

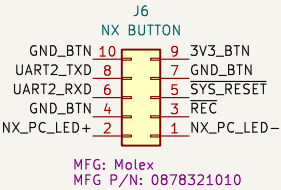
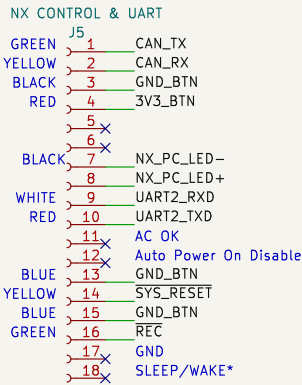
Id: 2/4

<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: 2025-10-24	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: 2025-10-24	Rev: 5
KiCad E.D.A. 9.0.5	Id: 4/4	