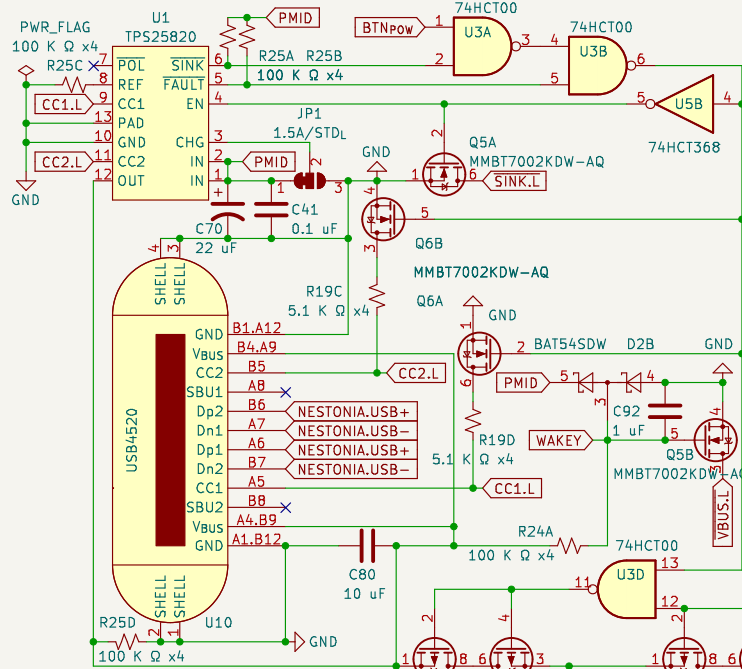
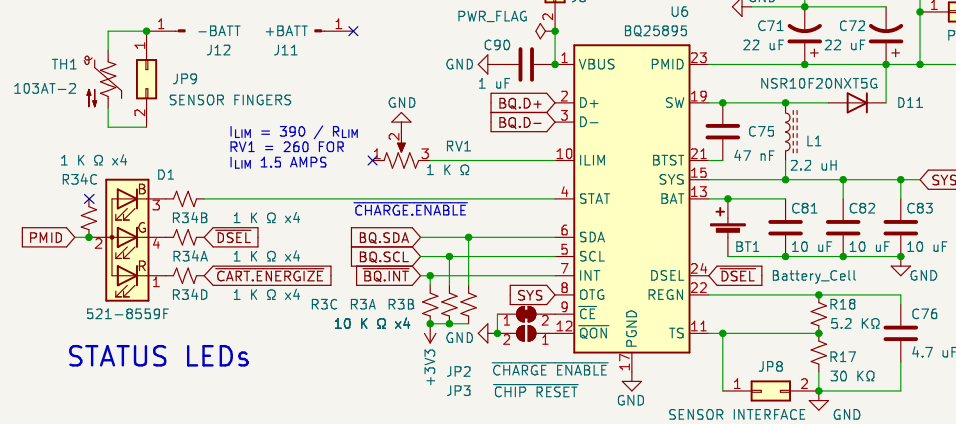


USB POWER DELIVERY



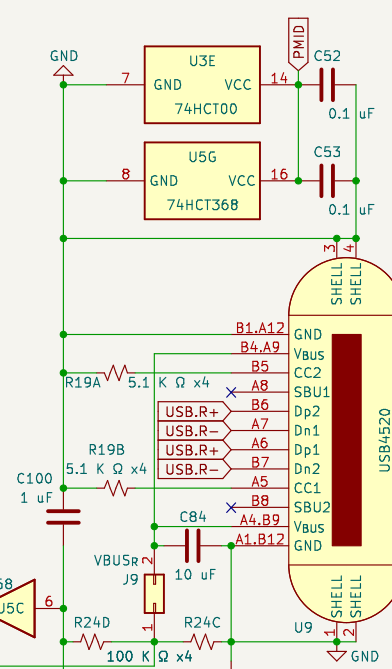
LEFT-SIDE USB



STATUS LEDs

BATTERY CHARGE CHIP

RIGHT-SIDE USB



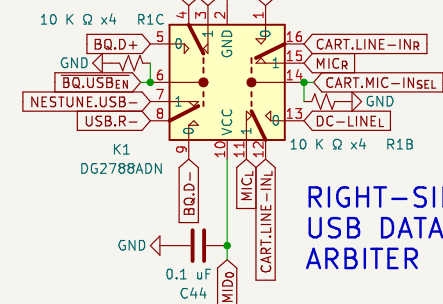
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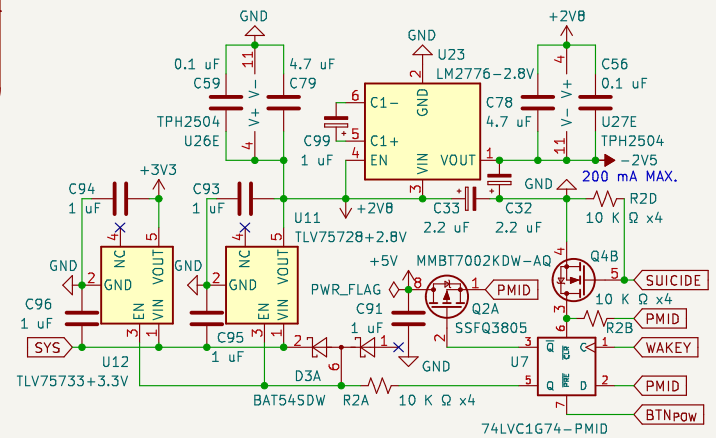
AUDIO

File: AUDIO.kicad_sch

CART AUDIO LINE-IN SELECT



RIGHT-SIDE USB DATA ARBITER



POWER FLIP-FLOP LATCH AND SWITCHED VOLTAGES

NESTONIA-15

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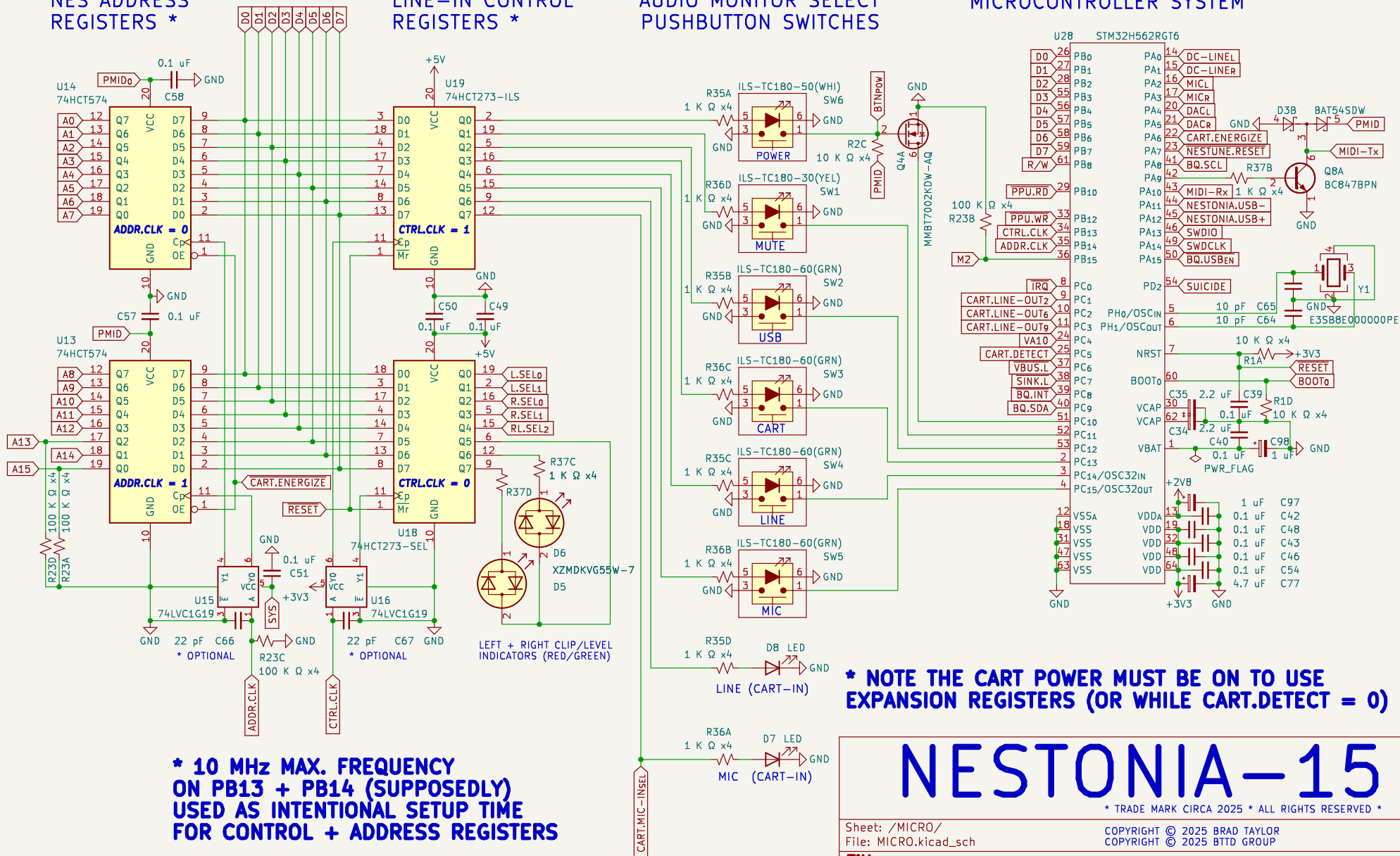
Sheet: /	COPYRIGHT © 2025 BRAD TAYLOR		
File: nestonia.kicad_sch	COPYRIGHT © 2025 BTDD GROUP		
Title: USB, BATTERY CHARGER AND POWER SYSTEM			
Size: A4	Date:	MAY-04-2025	Rev:
KiCad E.D.A. eeschema 6.0.2+dfsg-1	BRAD TAYLOR		Id: 1/3

NES ADDRESS REGISTERS *

LINE-IN CONTROL REGISTERS *

AUDIO MONITOR SELECT PUSHBUTTON SWITCHES

MICROCONTROLLER SYSTEM

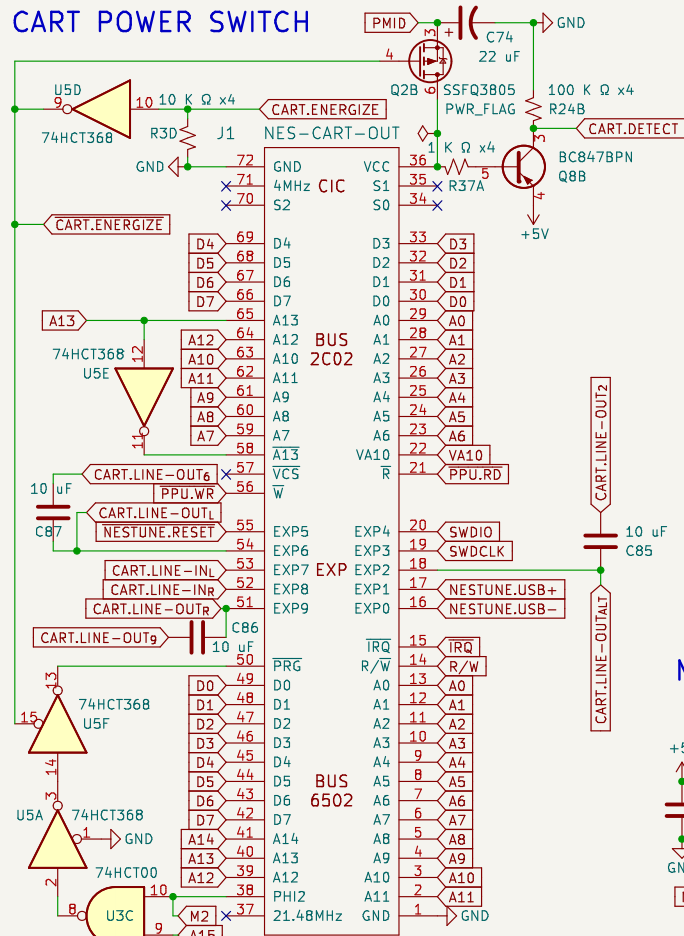


NESTONIA-15

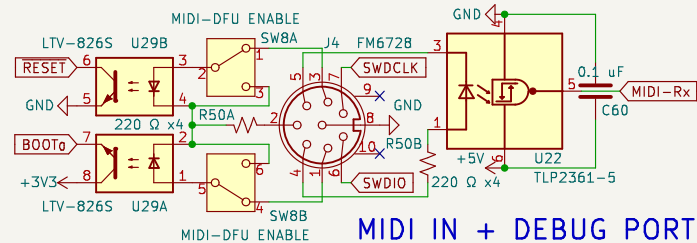
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Sheet: /MICRO/		COPYRIGHT © 2025 BRAD TAYLOR	
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Title: MICROCONTROLLER AND CONSOLE INTERFACE			
Size: A4	Date:	MAY-04-2025	Rev:
KiCad E.D.A. eeschema 6.0.2+dfsg-1		BRAD TAYLOR	Id: 2/3

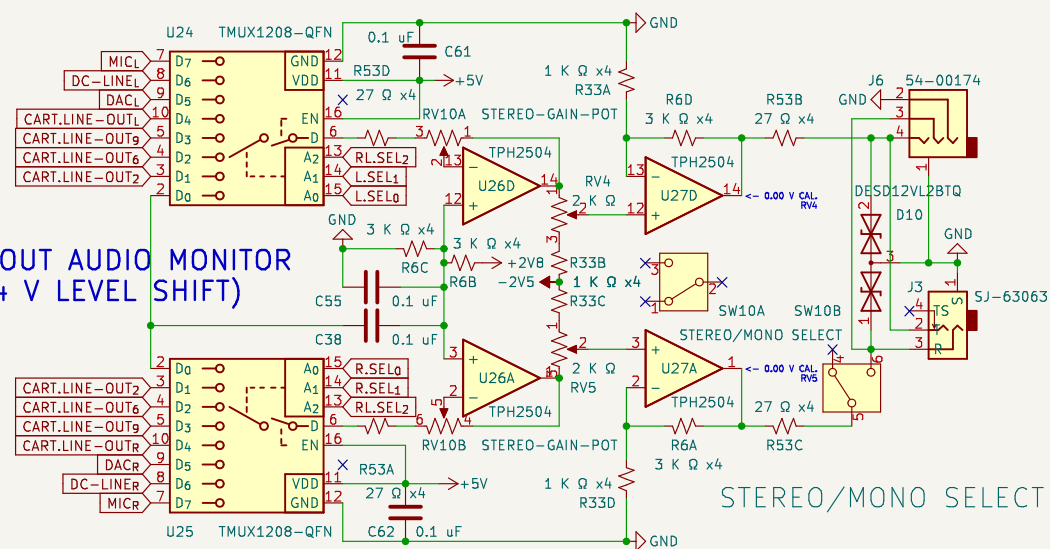
CART POWER SWITCH



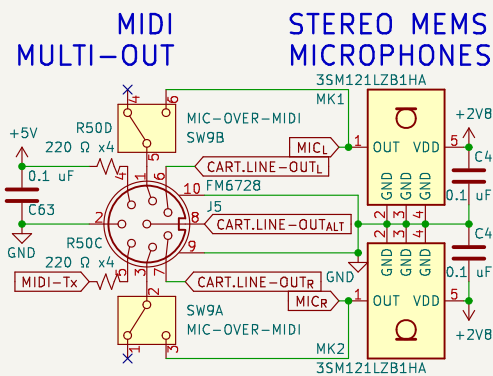
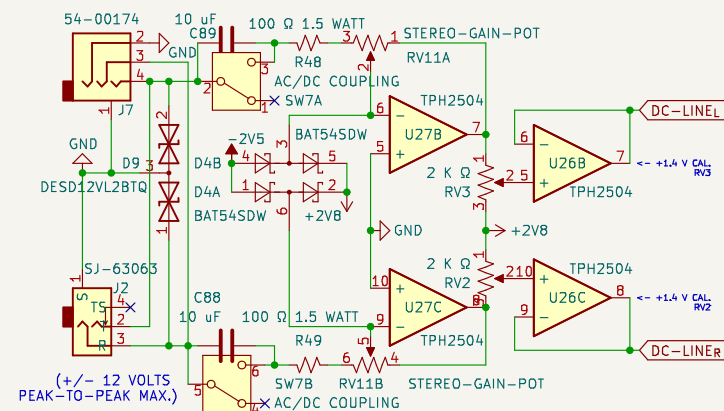
NES CARTRIDGE INTERFACE



MIDI IN + DEBUG PORT

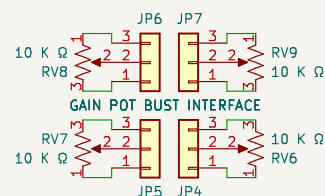


LINE-OUT AUDIO MONITOR (- 1.4 V LEVEL SHIFT)

MIDI
MULTI-OUTSTEREO MEMS
MICROPHONES

LINE-IN AUDIO BUFFER (+ 1.4 V LEVEL SHIFT)

TWIN STEREO
GAIN POT BUST



NESTONIA-15

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Sheet: /AUDIO/

File: AUDIO.kicad_sch

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Title: NES, MIDI, MIC AND AUDIO I/O INTERFACE

Size: A4	Date:
KiCad E.D.A.	eeschema 6.0.2+dfsg-1

MAY-04-2025

Rev:

BRAD TAYLOR

Id: 3/3