

ISA bus

File: ECBbus.kicad_sch

Decoder

File: Decoder.kicad_sch

ramrom

File: ramrom.kicad_sch

video

File: video.kicad_sch

Power

File: Power.kicad_sch

CPU

File: cpu.kicad_sch

Spare

File: Spare.kicad_sch

RTC

File: RTC.kicad_sch

acr

File: acr.kicad_sch

10

File: 10.kicad_sch

Reset

File: Reset.kicad_sch

sound

File: sound.kicad_sch

floppy

File: floppy.kicad_sch

keyboard

File: keyboard.kicad_sch

ide

File: ide.kicad_sch

serial

File: serial.kicad_sch

Based on work by Andrew Lynch and John Coffman
<https://github.com/danwerner21/N8PC>

Sheet: /
File: N8PC.kicad_sch

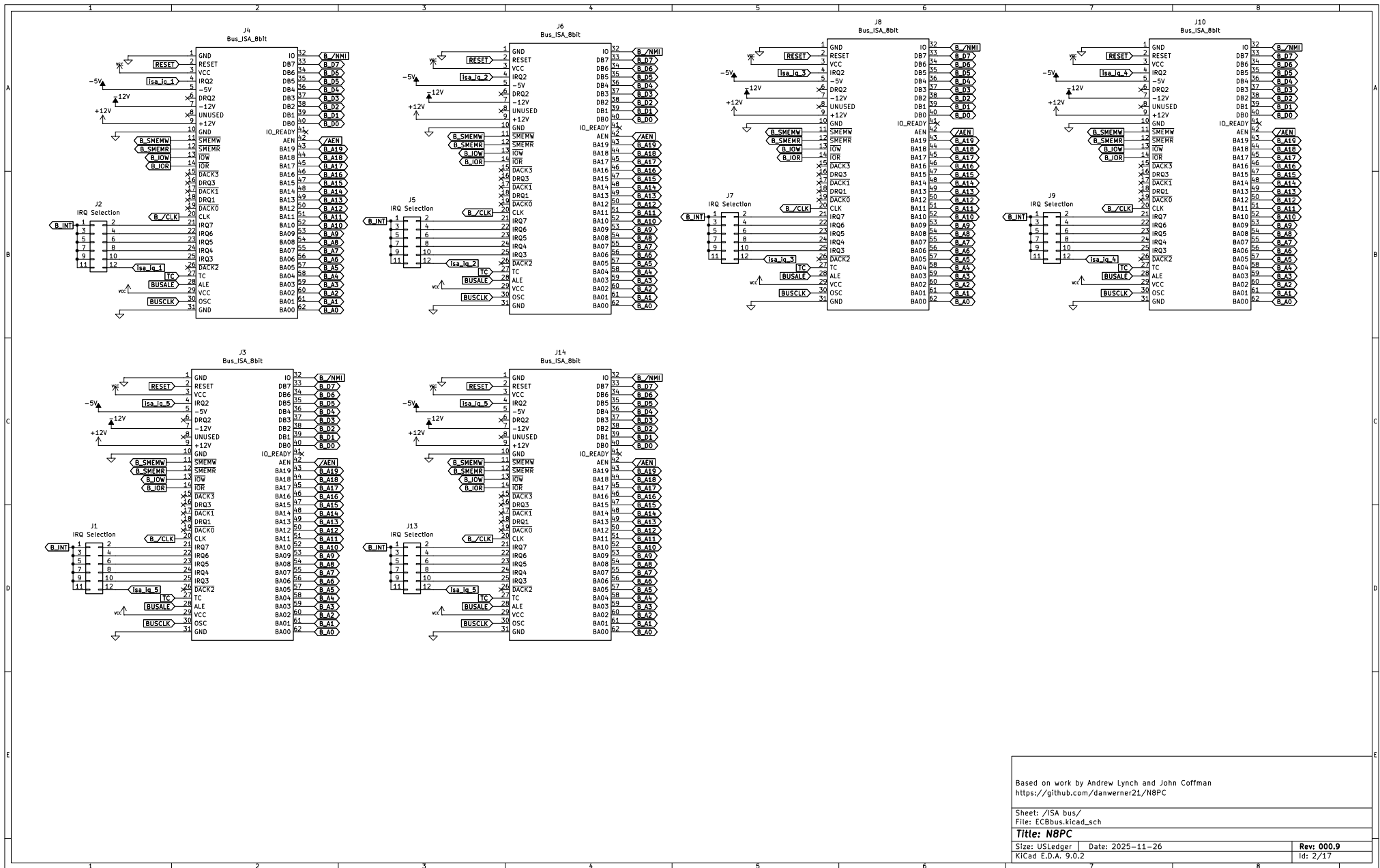
Title: N8PC

Size: A	Date: 2025-11-26
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Rev: 000.9

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Based on work by Andrew Lynch and John Coffman
<https://github.com/danwerner21/N8PC>

Sheet: /ISA bus/
 File: ECBus.kicad_sch

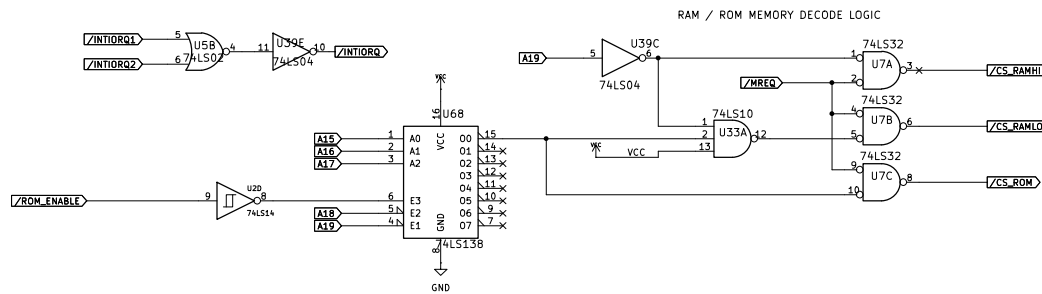
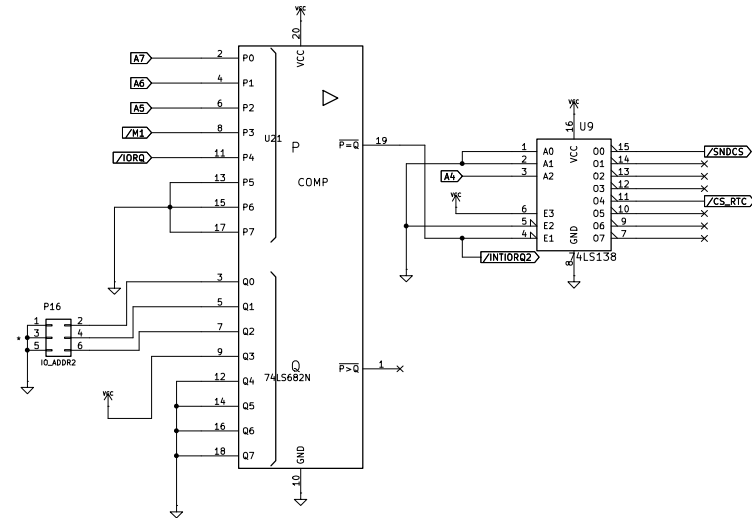
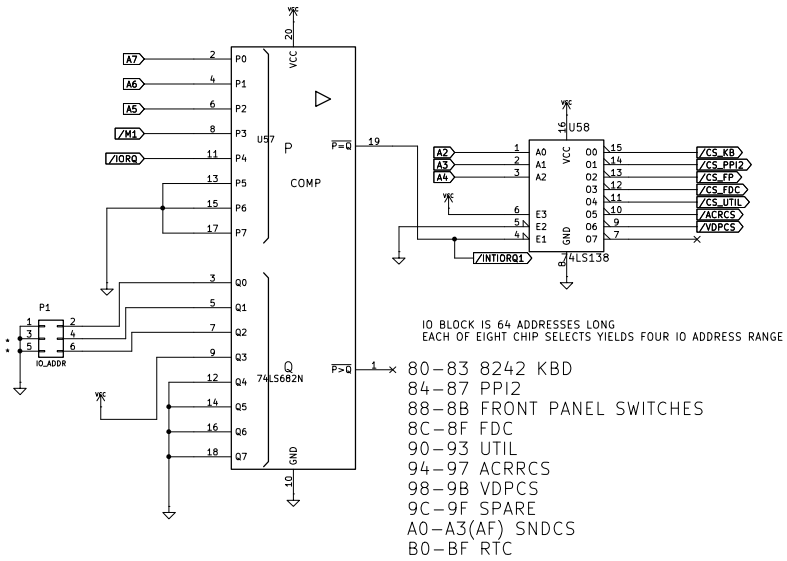
Title: N8PC

Size: USLedger Date: 2025-11-26

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Rev: 000.9

Id: 2/17



Based on work by Andrew Lynch and John Coffman
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Sheet: /Decoder/
 File: Decoder.kicad_sch

Title: N8PC

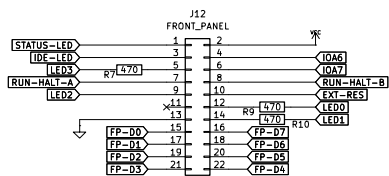
Size: B Date: 2025-11-26

Rev: 000.9

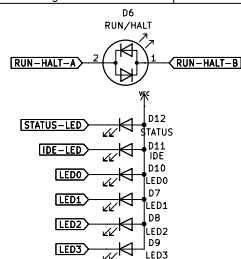
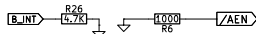
KiCad E.D.A. 9.0.2

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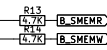
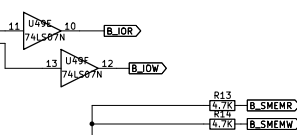
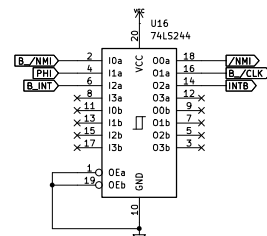
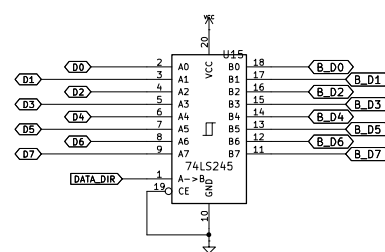
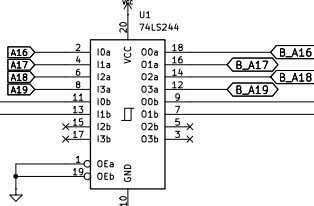
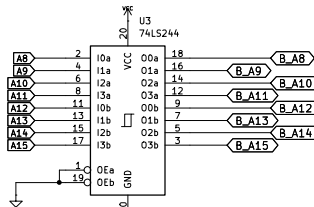
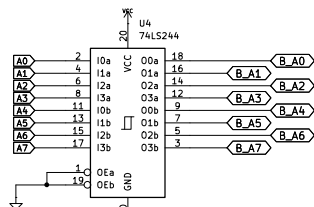
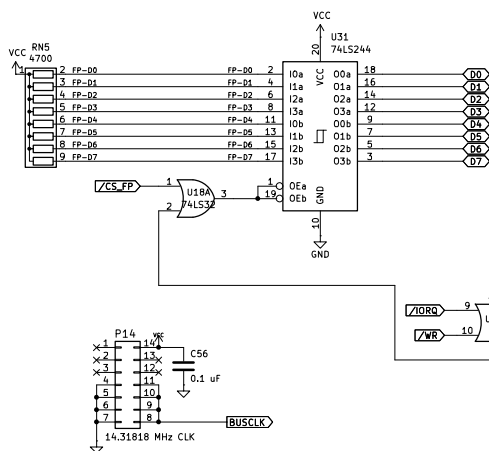
FRONT PANEL CONNECTOR



FRONT PANEL LEDS HAVE VCC CONNECTED TO LED ANODE AND LED CATHODE CONNECTED TO APPROPRIATE PIN ON CONNECTOR.
RUN-HALT LED IS BI-COLOR LED ACROSS CONNECTOR PINS.
IOA6 AND IOA7 ARE GPIO PINS FOR SWITCHES.



FRONT PANEL SWITCH INPUT



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Sheet: /IO/
File: IO.kicad_sch

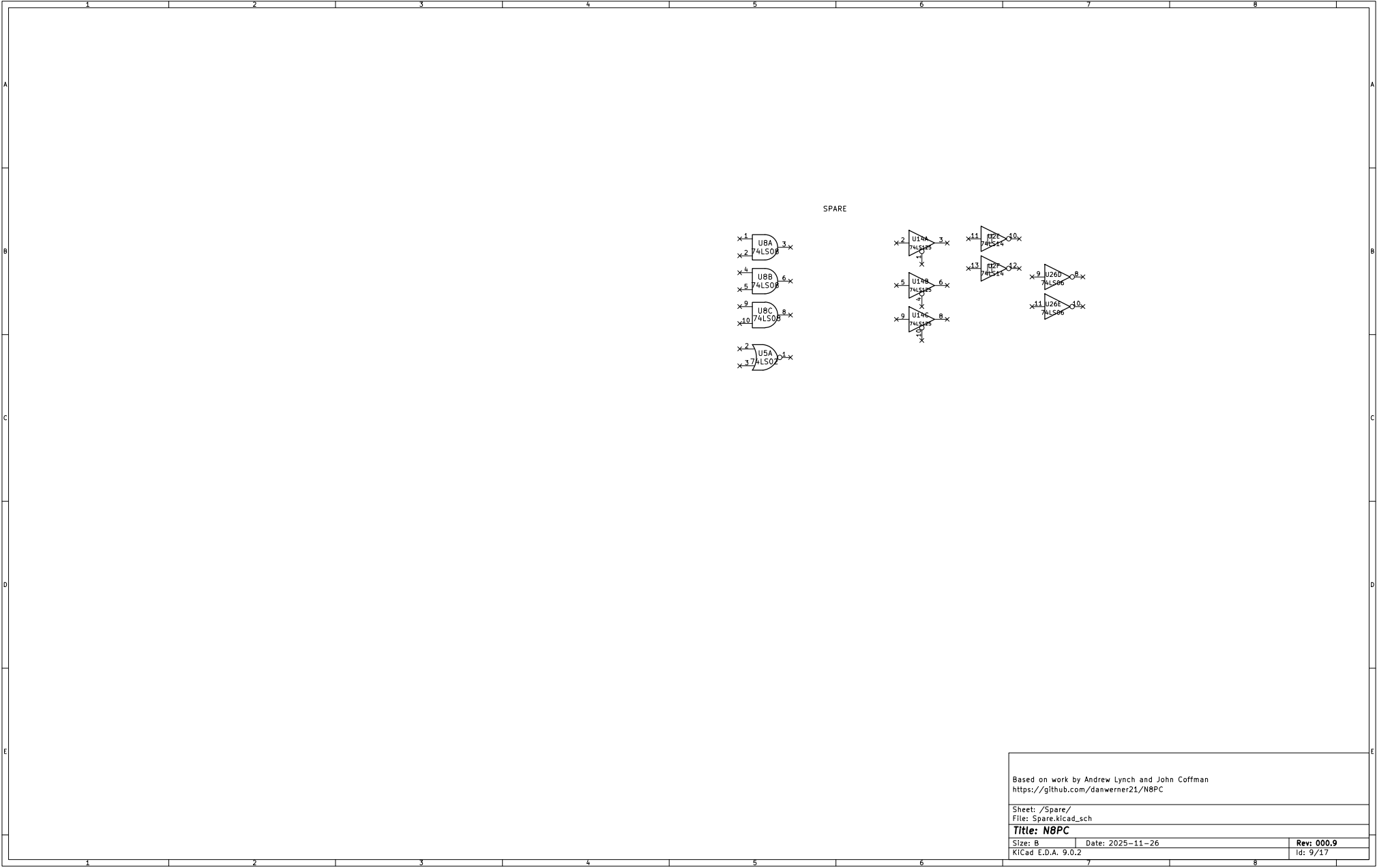
Title: N8PC

Size: B Date: 2025-11-26

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Based on work by Andrew Lynch and John Coffman
<https://github.com/danwerner21/N8PC>

Sheet: /Spare/
File: Spare.kicad_sch

Title: N8PC

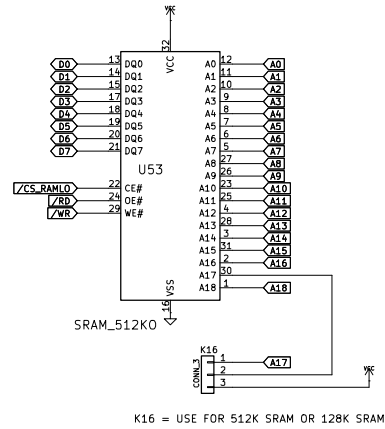
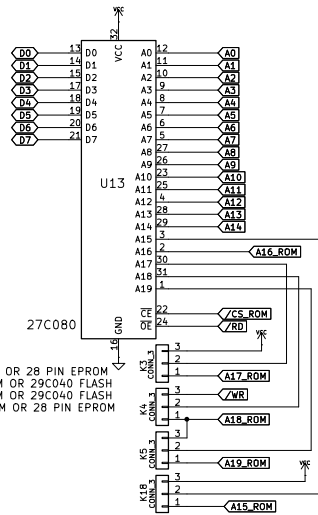
Size: B Date: 2025-11-26

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K3 = USE FOR 32 PIN EPROM OR 28 PIN EPROM
 K4 = USE FOR 27C080 EPROM OR 29C040 FLASH
 K5 = USE FOR 27C080 EPROM OR 29C040 FLASH
 K18 = USE FOR 32 PIN EPROM OR 28 PIN EPROM



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Sheet: /ramrom/
 File: ramrom.kicad_sch

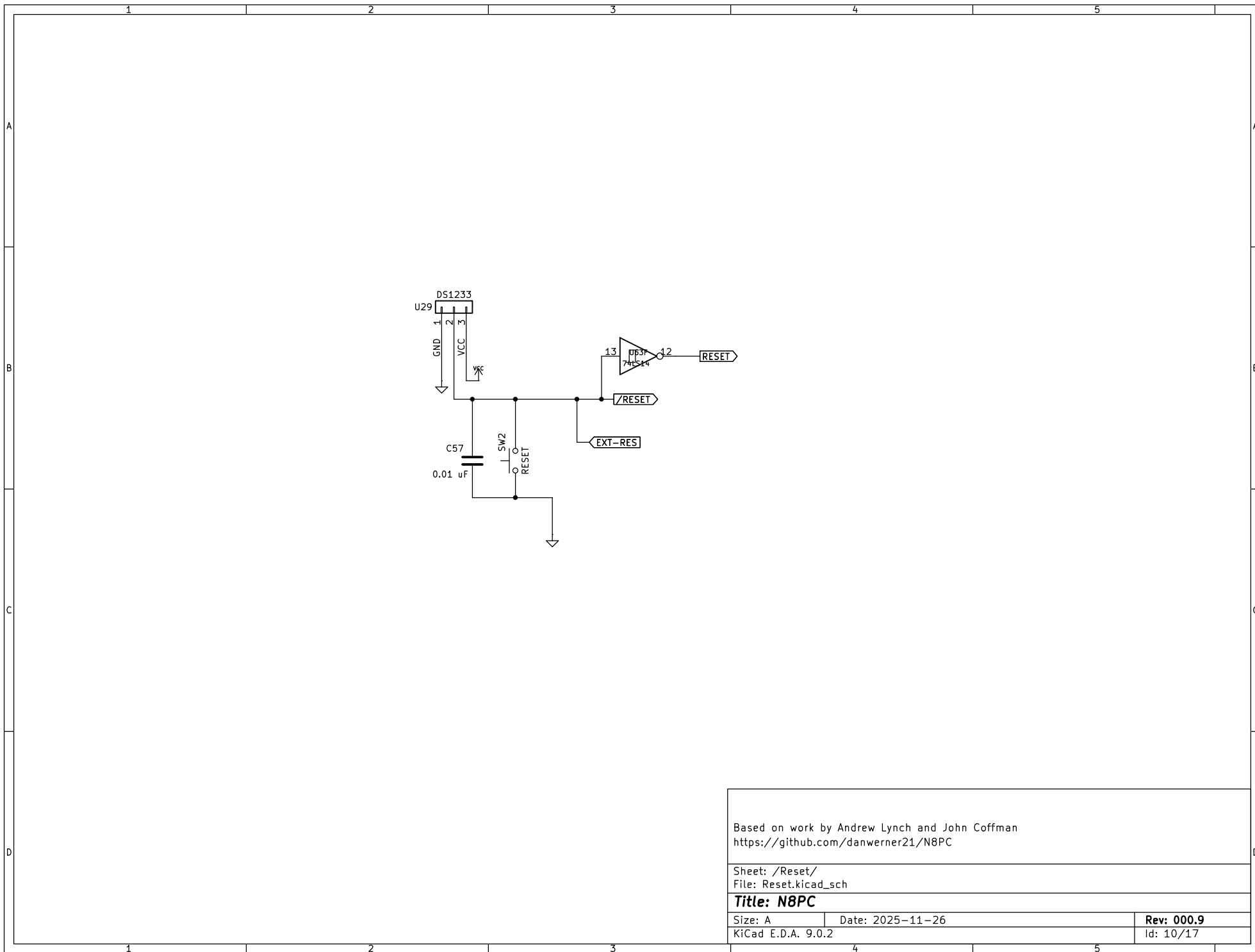
Title: N8PC

Size: USLedger Date: 2025-11-26

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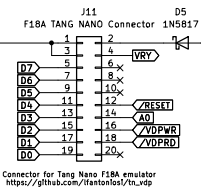
Based on work by Andrew Lynch and John Coffman
<https://github.com/danwerner21/N8PC>

Sheet: /Reset/
File: Reset.kicad_sch

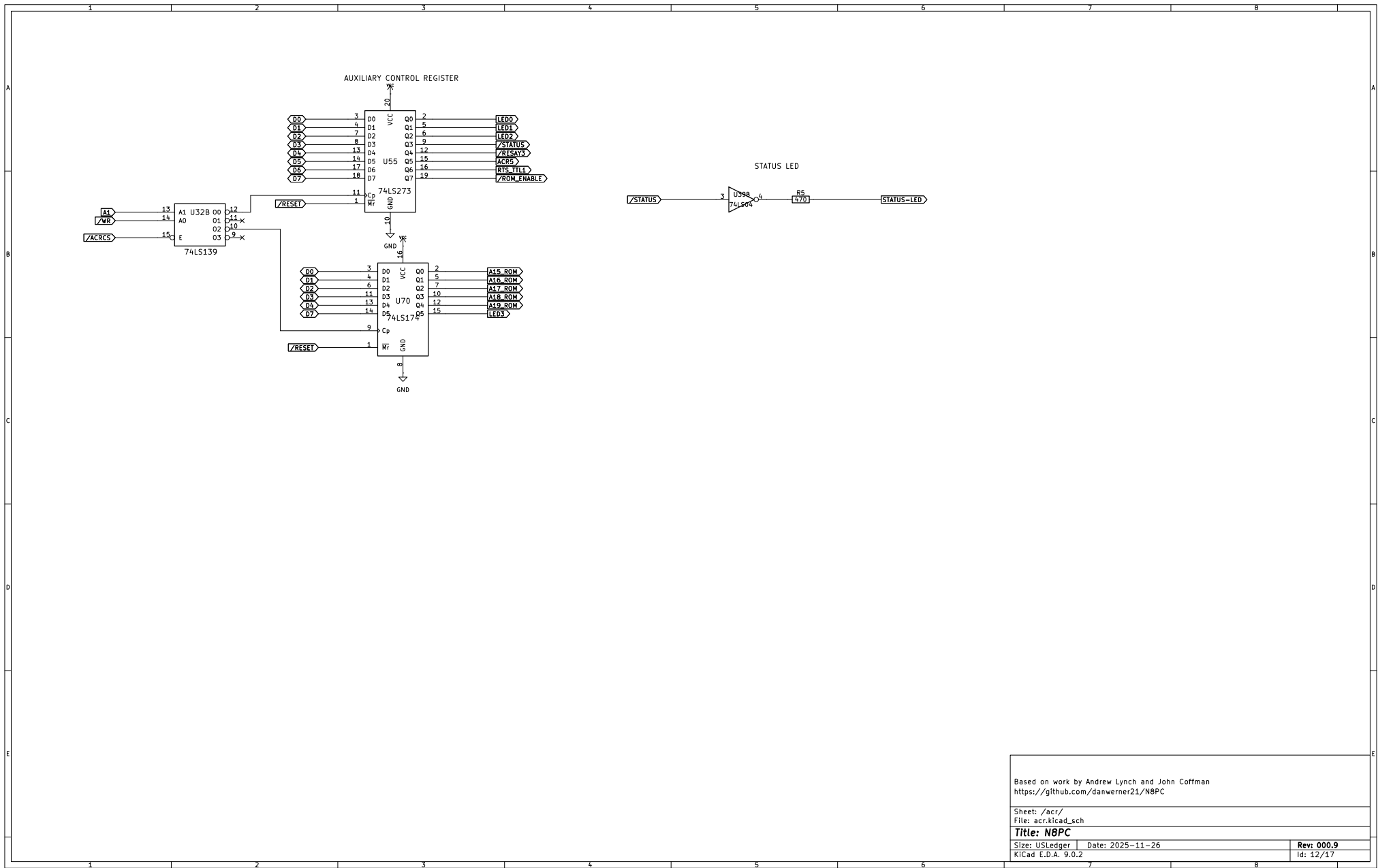
Title: N8PC

Size: A Date: 2025-11-26
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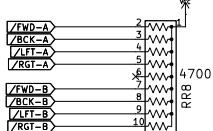
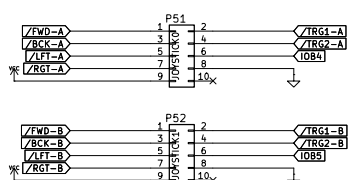
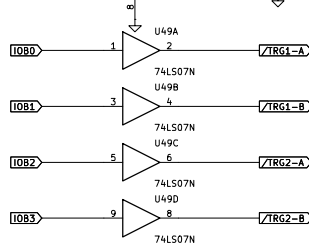
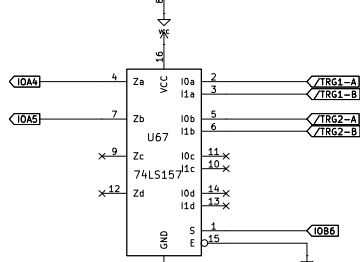
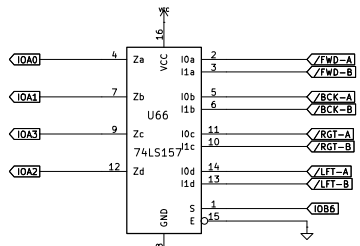
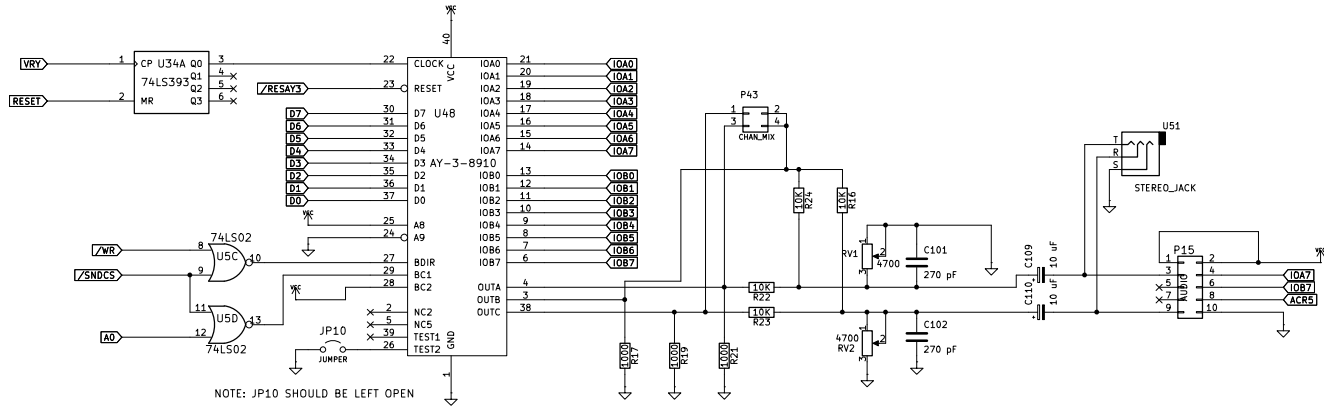
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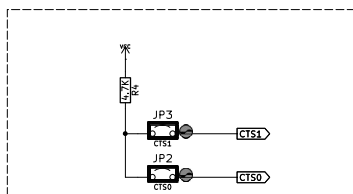
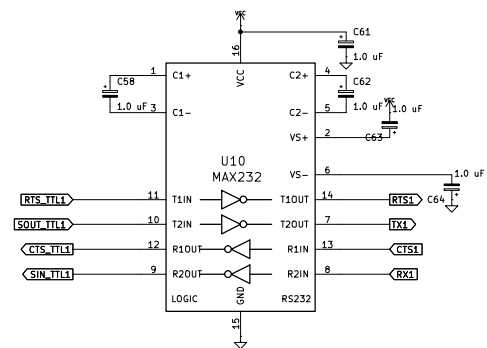
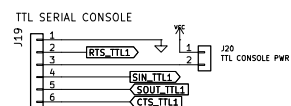
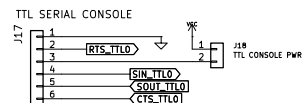
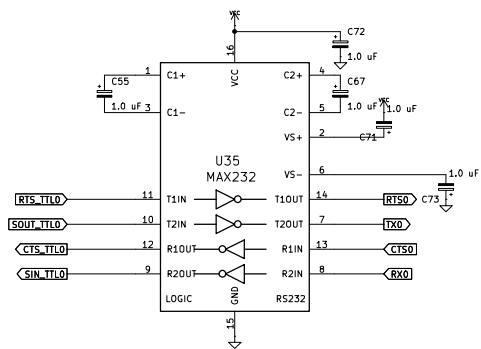
Id: 11/17



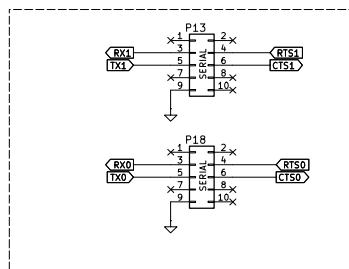
Id: 13/17



KNOWN TO WORK:
- VT82C42N (VIA)



CTS is an inverted signal on the RS-232 port. So it is really /CTS. To assert the signal, it must be tied to SPACE, which is a + RS-232 voltage. (MARK, or true, is a - RS-232 voltage.)



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Sheet: /serial/
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Title: N8PC

Size: USLedger Date: 2025-11-26

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Rev: 000.9

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