* Pull-ups R1, R2 & R3 only required for PAL system.
  But doesn't hurt on NTSC ones

Connectors facing console

U1A
74AHCT125N

U1B
74AHCT125N

U1C
74AHCT125N

U1D
74AHCT125N

U1E
74AHCT125N

U2A
74AHCT125N

U2B
74AHCT125N

U2C
74AHCT125N

U2D
74AHCT125N

Inputs level shifter VCC is 3.3V

U2E
74AHCT125N

(Optional) BlueRetro universal interface
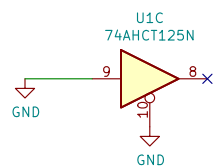
J4
DB25_Male
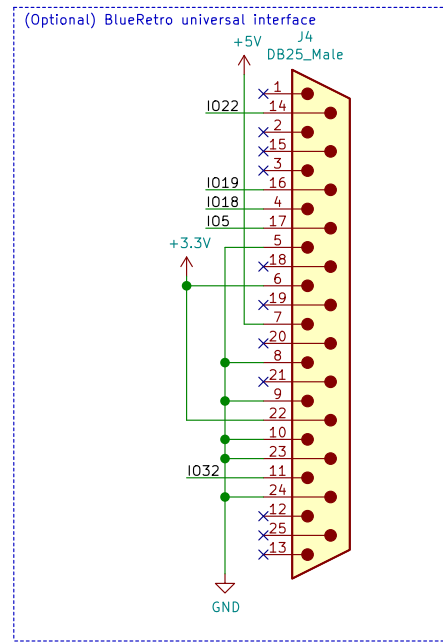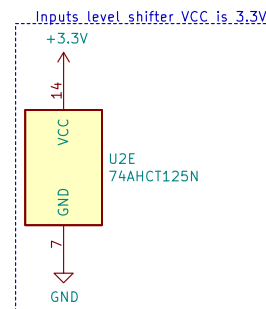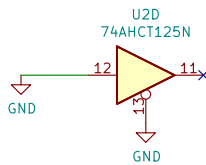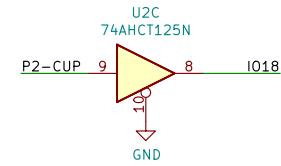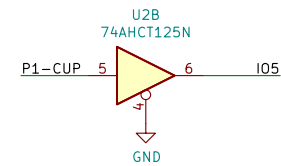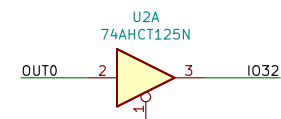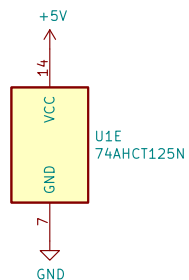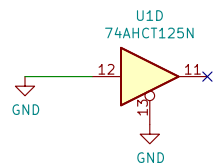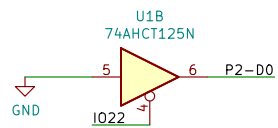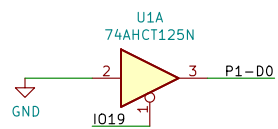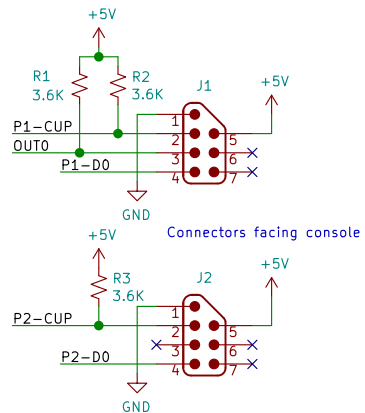
* Very important for DB25 pin 22 (I39/VN) to be connect to VOUT (3.3V) for proper system detection.

©2020–2022 Jacques Gagnon, licensed under CC-BY-4.0

Sheet: /NES/
File: NES.sch

Title: BlueRetro — NES adapter cable

| Size: USLetter | Date: 2020-11-03 | Rev: v1.3 |
| KiCad E.D.A. kicad (5.1.9)-1 | | Id: 3/23 |