

Version 1.0.2 of the BIOS includes support for a patch that can disable the automatic baud rate detection for a connected terminal and to work with the predefined speed of 19200 bauds.

For this, you must also slightly modify the Junior Computer][motherboard.

The simplest hardware patch is to connect pin 4 (Q3) of IC U9 (74LS145) to pin 11 (PB0) of the port connector to the left of the hex keyboard via a single wire.

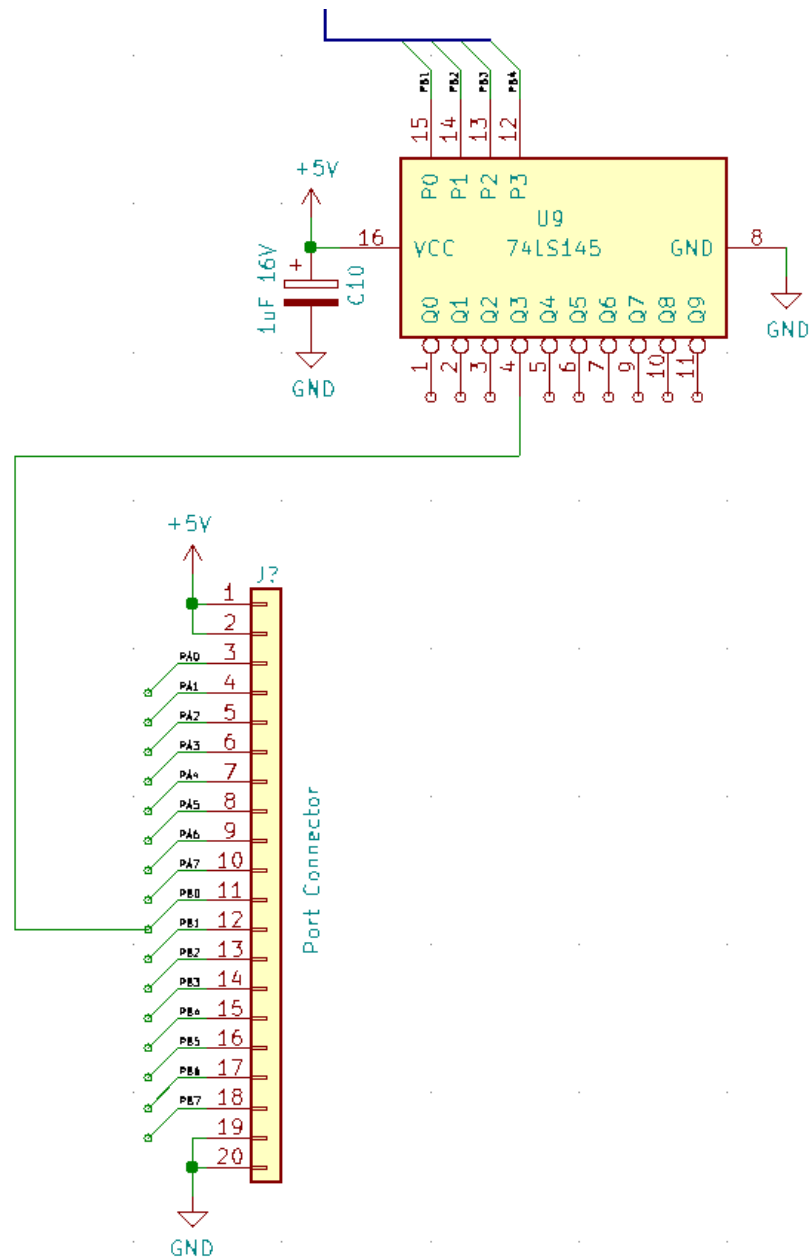


Figure 1. Simple patch solution

This works fine until you want to run the Junior Computer][without a terminal in its native Junior Computer mode using the Hex keyboard and Hex display.

Because the patch, the Junior Computer always switches into the terminal mode and the display won't light up. To fix this issue, you can include a switch in the patch wire, to disconnect the two pins if desired.

Another solution is to exchange switch 25 (DISPLAY) into a double (toggle) switch like SW24 (STEP). If you then switch the display On (native mode), you deactivate the patch. If you insert a second switch (SW28) like in figure 2, you can additionally disable the patch completely, regardless of whether you need the Hex display or not.

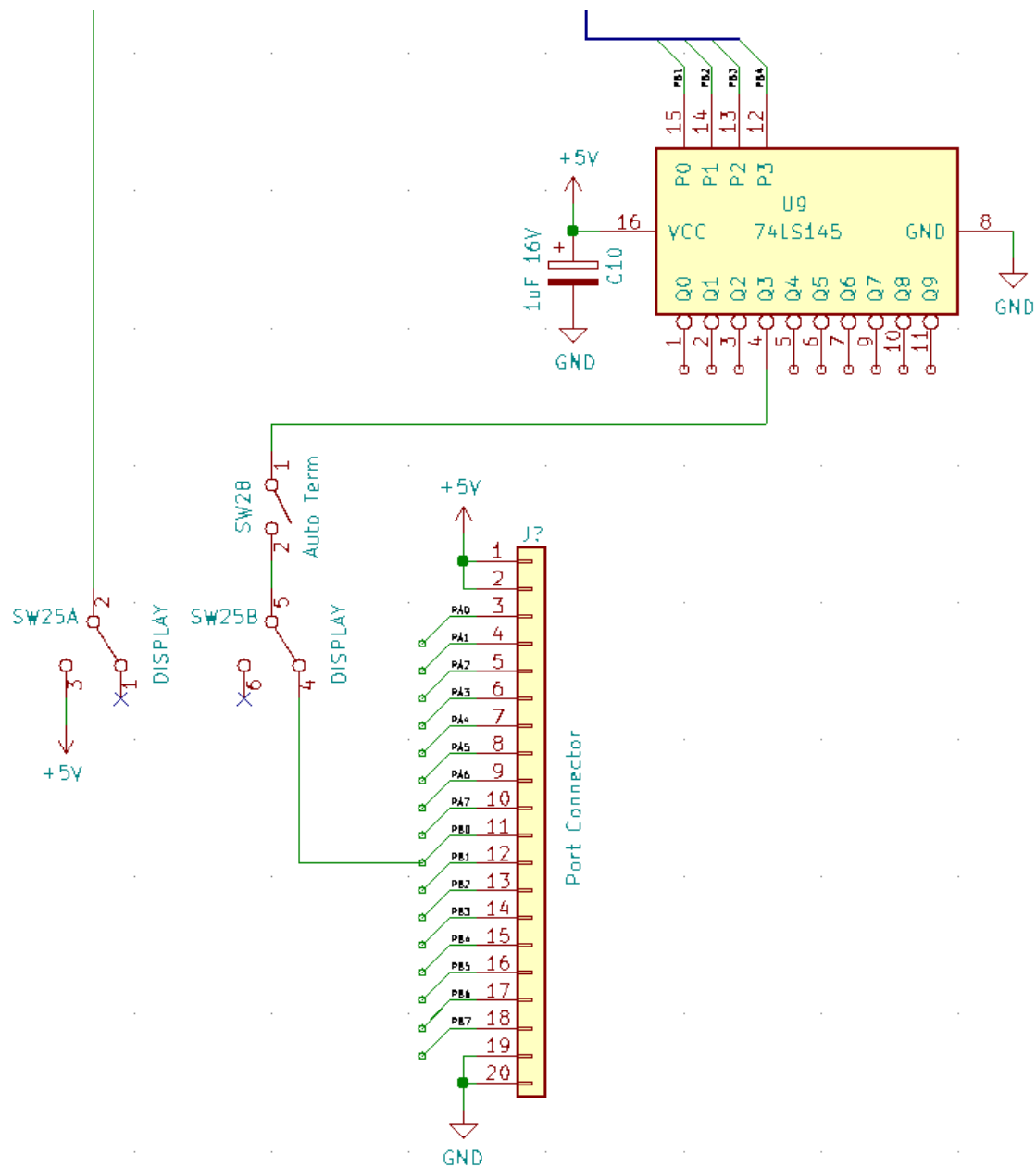


Figure 2. Universal patch solution