# Z80 Socket Adapter for 8-bit Processor Kit Instructions

This is a simple kit, so these are simple instructions. For soldering tips see the other CPUville instruction manuals.

1. Solder the resistor network in place. It does not have to be oriented, but to be consistent with ICs put the cutout toward the top.

2. Solder the bypass capacitor in place and trim the leads.

3. Solder the 40-pin header for the 8-bit processor system connector on the top of the board.

4. Solder the 40-pin header for the Z80 socket on the bottom of the board. When finished, it should look like this:
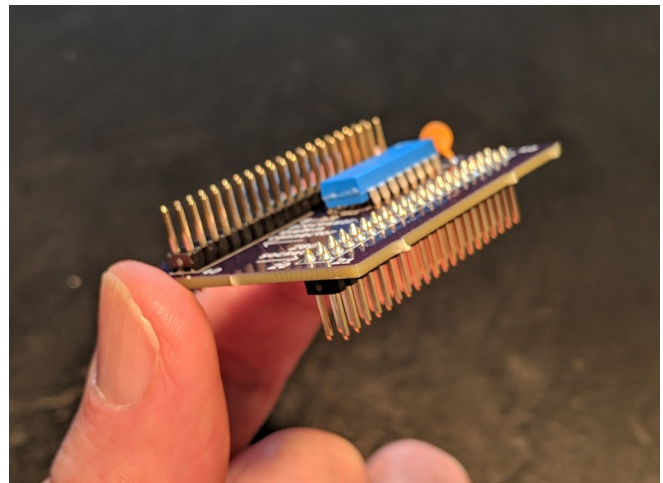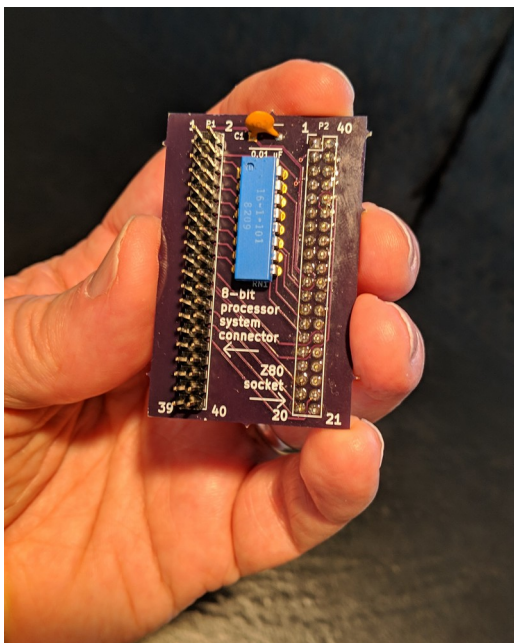

5. Connect the short cable to the system connectors on the processor and the adapter, and the long cable to the Z80 socket header on the adapter, and the Z80 socket on the computer board:
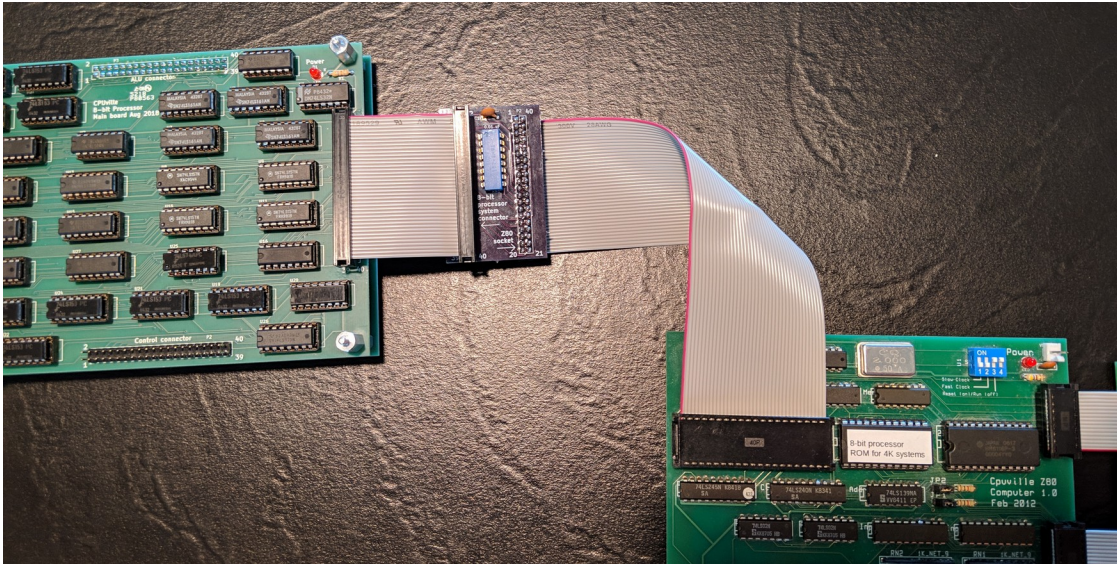
Note the edge of the Z80 socket cable that is coming from the top of the adapter connector (labeled pins 1 and 40) should be on the left of the Z80 socket on the computer board.

6. Place the control board on the processor stack. For instructions on operating the computer with the 8-bit processor, see the 8-bit processor instruction manual.

Z80 Socket Adapter Schematic
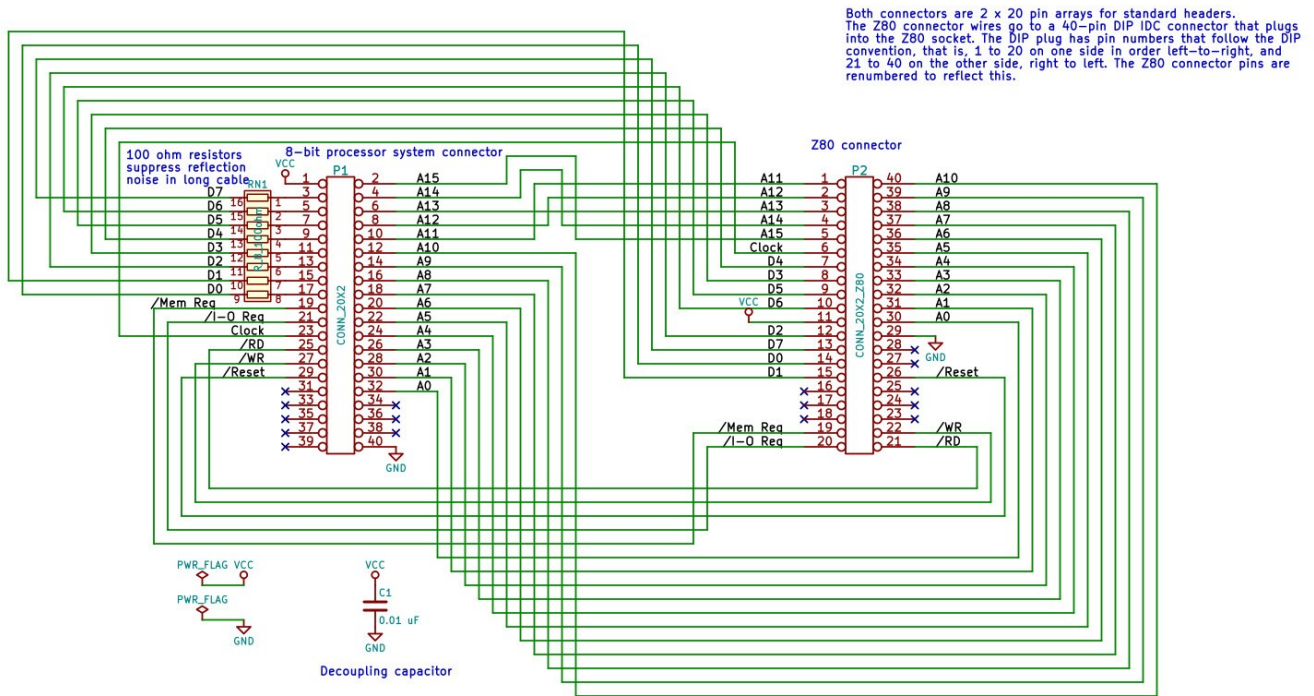
The adapter maps the 8-bit processor system connector signals onto the Z80 connector, where they are ordered to correspond to the Z80 pin locations. The 100-ohm resistors in series with the data bus suppress reflection noise. The bypass capacitor filters power line spikes.