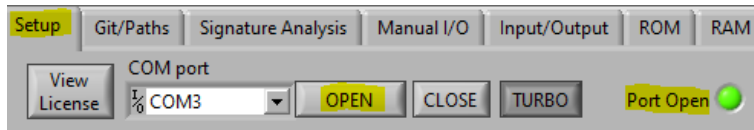


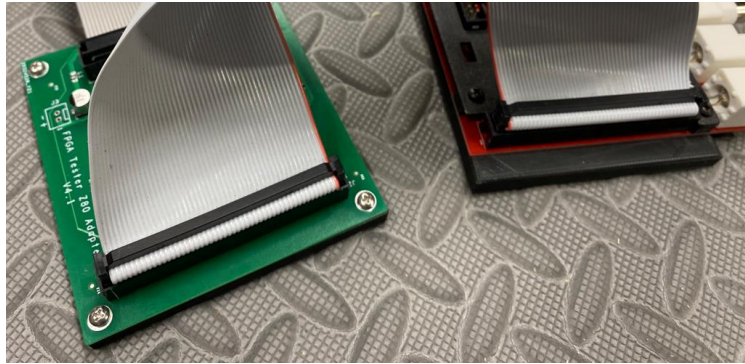
FPGA CAT Z80 Quick Start Guide

This guide is written assuming you have version 3.x of the FPGACAT software running on your computer and the Tester is connected via USB, such that hitting “Open” on the Setup tab results in a Green “Port Open” light :



Z80 Setup

Attach the Z80 adapter to the Tester's 50 pin ribbon cable connector, paying attention to the key orientation.

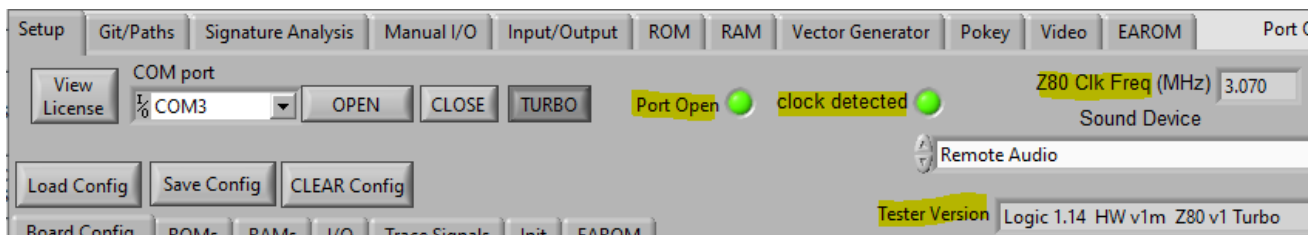


With the game board powered off (and Tester if an older unit), attach the Z80 adapter's 40 pin ribbon cable board connector to your game board Z80 CPU socket, paying close attention to overall pin alignment and pin1 orientation (highlighted below).



Load the Config file for your game board (“Setup” tab “Load Config”). If one does not exist you will need to create one yourself, start by changing the “CPU Type” to Z80.

Power up the game board (and Tester if an older unit), then hit the “Setup” tab “Open” button. You should now see both the “Port Open” and “clock detected” lights are green as well as the “Z80 Clk Freq” and “Tester Version” being reported. Note: Once they are connected, you can power on/off the Tester and game board in any order.



You can now proceed with testing of your game board. Before disconnecting the Tester from a game board, you should power down the game board and hit the Tester “Setup” tab “Close” button (as well as powering off if an older Tester).

Troubleshooting

The Z80 adapter requires power, clock, and a WAIT signal (on the Z80 CPU socket) that is not stuck stuck low in order for the Tester to communicate with the adapter and get the version when opening the port. Confirm your game board is generating these signals.