The MachXO2 Control Board design will compile all the way through and can be downloaded to the MachXO2 Control Board. You will need Hyperterminal to get this demo to work on the board. Please refer to the instructions in doc41126x68.pdf to get the board demo working. Make sure the implementation used is “DemoImpl”.

After the Hyperterminal connection has been established, user can control the LED by entering the number 0 to 9. The corresponding LED lights will be turned ON/OFF.

After running the tools, users can exercise the following tools:

1. Spreadsheet View: Look at the pins and timing constraints tabs
2. Package View
3. Device View
4. Netlist View
5. NCD View
6. Timing Analysis View
7. Power Calculator
8. Programmer
9. Run Manager

Demo also covers various timing constraints: FREQUENCY, MAXDELAY, INPUT\_SETUP, and CLOCK\_TO\_OUT. There are some unconstrained paths but they are combinatorial paths and reset/clock enable lines.