

Loading STP PMC cards

Requires:

- JTAG cable
- laptop with Impact software (i.e. Xlinks) installed
- laptop must have parallel port and ps-2 port
- running MVME 2306 processor with open pmc slot

Instructions:

1. connect JTAG cable to laptop's DB25 and PS-2 ports. JTAG cable should show amber LED when connected.
2. install STP card into PMC slot on MVME 2306 resident in VME crate
3. power up VME crate
4. attach JTAG cable to STP card (note: pin 1 should be power (red) cable). Note: you can try both orientations if necessary; won't hurt card
5. amber led on JTAG cable should change to green when properly connected to STP card
6. on PC (running windows) select START->Program->XLinks ISE 6->Accessories->Impact
7. once application has been launched cancel (wizard) window
8. choose "Initialize Chain" under "File" tab on toolbar (or select icon with 4 black squares in a white field)
9. applications should find chip (XC18V02). In Window
10. in window choose "File". "Browse" to C:\mcs_files\stp_pmc_test.mcs
11. put cursor on selected chip and right click mouse
12. choose "program"
13. accept program options: "erase before program", "verify", and "load FPGA"
14. red led on STP card should now show green

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