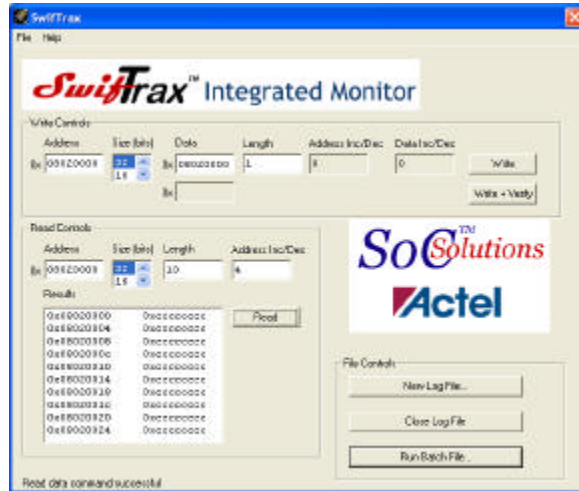


## Step 5. Running the *Swift*Trax Integrated Monitor.

Before running the *Swift*Trax Integrated Monitor, unplug both USB cables, toggle **SW8** to **off** position and then reconnect both USB cables to re-apply power.

On the PC start the *Swift*Trax Integrated Monitor by going to the **CD:\Actel\_M7A3P\CD-files\Preloaded Design\Software\SwiftTrax** folder and double clicking on the **SwiftTrax.exe** file.



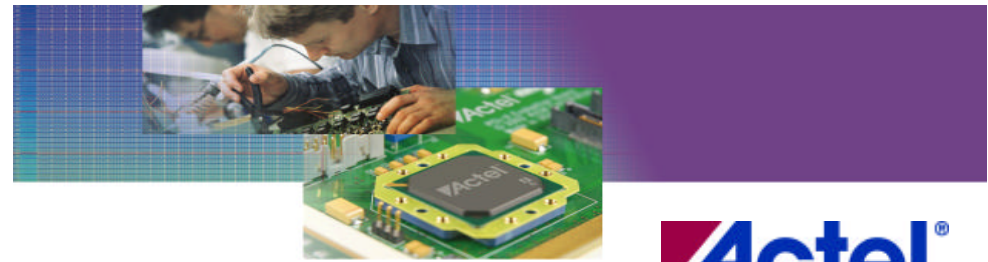
The *Swift*Trax Monitor can now be used to read and write register and memory locations on the system without having to use a software debugger. The pre-loaded design is SoC Solutions' PiP-EC02 platform. For more information, see PiP-EC02 documentation under the **Available IP** folder or contact SoC Solutions [support@socsolutions.com](mailto:support@socsolutions.com) for details.

For additional information, please refer to the **ARM7-Enabled ProASIC3 Development Kit User's Guide**

For support please contact SoC Solutions at [support@socsolutions.com](mailto:support@socsolutions.com).

For information on additional products for the ARM7-Enabled ProASIC3 Development Kit, please contact [sales@socsolutions.com](mailto:sales@socsolutions.com).

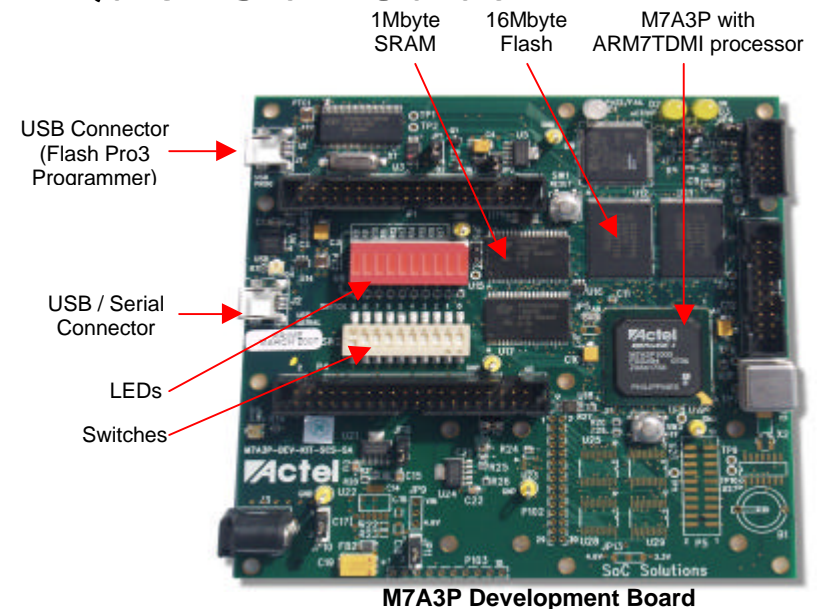
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## ARM7-Enabled ProASIC3 Development Kit



## Quick Start Guide



### In the box...

- M7A3P Development Board
- ARM7-Enabled ProASIC3 Development Kit Install CD
- Libero IDE (CD)
- 2 USB Cables

## **Step 1. Installing the Libero IDE and CoreConsole - SoftConsole tools.**

Follow the instructions provided with the Libero v8.0 CD for installing Libero IDE, CoreConsole, and SoftConsole tools.

For further information on how to use the Libero, CoreConsole and SoftConsole tools, please refer to the documentation supplied in the Libero IDE DVD case and on the CDs or go to the Actel website.

## **Step 2. Installing the ARM7-Enabled ProASIC Development Kit using the Install CD.**

Simply place the Install CD in the CD Drive on your PC (PC refers to either your Personal Computer or Laptop). The CD should automatically start an auto-run session. At this point, follow the instructions (prompts) on the “Install” dialog box.

The “Install” application will properly place all the documentation and sample project files in the C:\Actel\_M7A3P folder (default) or the user selected folder.



The “Install” application will also set up the USB drivers on your PC, both the embedded FlashPro3 Programmer circuitry and the USB Serial port.

The Install CD contains the following documentation:

- M7A3P Board Schematics
- M7A3P User Guide
- Sample Design Reference Design Project
- Available IP
- Support Products such as **SwiftTrax** embedded monitor.

## **Step 3. Powering up the board and running “User Tests”.**

Before powering up the M7A3P board for the first time, please make sure the switches and jumpers are in the following, factory set, positions:

### **SW2:**

All switches (0-9) are in the ON position.

**JP2, JP3, JP4, JP8, and JP12** are installed.

**JP10** connection from pin 1 to pin 5 (star)

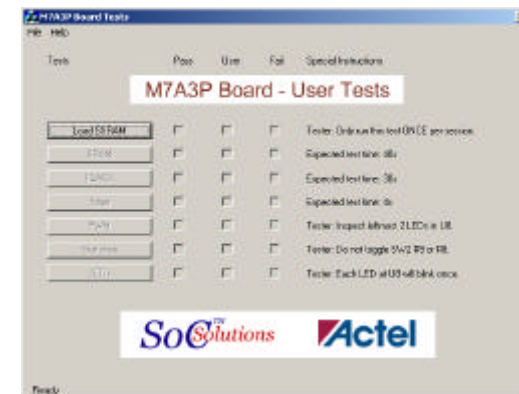
**All others** are not installed.

Plug in one end of the USB cable to the PC and the other to the USB (PROG) connector on the M7A3P board. Power is applied to the board from the PC or Laptop through the USB (PROG) cable. Now plug in the second USB cable to the PC and the M7A3P board.

You should now see several LEDs (including Power LED) light.

## **Step 4. Running the User Tests.**

On the PC start the M7A3P test GUI by going to the **C:\Actel\_M7A3P\CD-files\Preloaded Design\Software\M7A3P\_User\_Tests** folder and double clicking on the **M7A3P\_Tests.exe** file. Choose connected COM port. For example “COM4”.



Now test each function on the board by clicking each test button in sequence from top to bottom. Please check to make sure all tests pass.

When finished, be sure to close the GUI, thus shutting down the application.