Support Information

For SP601 Trouble shooting help, please visit the SP601 Answer Record Support page found at http://www.xilinx.com/support/answers/33225.htm

To download Design Tools, generate license or get latest tool updates go to www.xilinx.com/support/download

For Technical Support, go to www.xilinx.com/support. On this site you can:
- Subscribe to Alerts on Product Technical Documentation updates
- Choose instructor-led classes and recorded e-learning options under Training
- Collaborate with the Xilinx User Community on the Forums
- Quickly scan titles of Answers Database categories through the Answer Browser
- Submit cases and report bugs online 24 hours a day through WebCase
- Initiate and manage return of hardware and software products through the RMA Portal

For more information about this kit, please refer to the Getting Started Guide also included in the kit box. The Getting Started Guide provides further instructions on running demos, installing software, and using the available reference designs to quickly and efficiently develop your applications.

For additional details, please visit the product page for more details: http://www.xilinx.com/sp601
STEP 1

Setting the JTAG Chain (J4)
Ensure that the Jumper J4 is installed on pin 1 and 2. This will cause the JTAG signals to be connected locally to the base board and not routed through the FMC connector.

STEP 2

Selecting Local SPI FLASH (J15)
Ensure that a jumper is installed on J15. This will cause the SPI configuration to select the onboard Quad SPI device.

STEP 3

Identifying Other Jumper Settings
J14 and J16 should not have any jumpers installed.

STEP 4

Setting the Mode Select Switches (SW2)
Ensure that the DIP switch SW2 is set to the BPI Configuration Mode, where both M0 and M1 are in the “OFF” position.

STEP 5

Connecting 5 Volt Power
Connecting 5 Volt Power: Remove the 5 Volt power block from the SP601 box. Plug the 5 Volt male power jack into the board female connector on J18. Turn on the power by switching the SW1 to the “ON” position.

STEP 6

Connecting the USB/UART Cable (J9)
Using the USB A/MiniB Cable provided in the SP602 kit, connect the MiniB USB to the J9 USB connector. Connect the USB A end of the cable to your PC. The Driver for the C210x USB to UART Bridge should be automatically recognized. To troubleshoot see the SP601 Answer Record Support page found at http://www.xilinx.com/support/answers/33225.htm

STEP 7

Opening a Terminal Program
On your PC, open a serial terminal program:
Select Start > Programs Accessories > Communications > HyperTerminal.

STEP 8

In the “Connect To” window, select the COM port that your USB cable is connected to, for example COM4 and click OK.

STEP 9

To find the assigned COM port, use the Hardware Device Manager and look at the Ports (COM & LPT) to see the C210x USB 2 UART Bridge Controller Device.

STEP 10

In the HyperTerminal “Port Settings” Tab, set the BAUD rate to 9600, Data Bits = 8, Parity = None, Stop Bits = 1 and flow control = None. Then Click OK.

STEP 11

Press the PROG (SW3) Push Button on the SP601 board to load the Diagnostic Menu. From the Menu select option #1 UART Test to run a UART test. After you have run a specific test, press the PROG (SW3) push button on the SP601 board to reload the menu application.

STEP 12

After pressing PROG (SW3) push button on the SP601 board, the initial diagnostic option menu will print and you can select a new test to run.