

Getting Started

The Spartan-3 MB development kit (DS-KIT-3SMB1500) includes the following:

- Spartan-3 MB development board
- 5V/3A AC/DC adapter
- P4-to-P3 JTAG port adapter
- Kit Certificate (for access to Reference Design Center web site)
- Getting Started note

The Spartan-3 MB MicroBlaze development kit (DS-KIT-MB-3SMB1500) adds the following items:

- P160 Prototype Module
- Serial cable
- Xilinx EDK software

Other kit configurations are also available that include ISE Foundation, Xilinx Parallel Cable IV, and the NoHau MicroBlaze Debugger.

The 3SMB board included in this kit has been factory tested and pre-programmed to ensure correct operation. You do not need to alter any jumpers or program anything to see the board work. Please verify that your 3SMB board is in working order by following the steps below:

- Make sure the power supply switch (SW1) is in the OFF position
- Connect the 5V power supply to the VIN jack
- Turn the power switch to the ON position
- Verify the three power LEDs labeled 1.2V, 2.5V, and 3.3V come on and that the DONE LED (bottom left corner) comes on. This means that the FPGA successfully loaded from the pre-programmed ISP PROMs.
- Verify the following functions:
 - The piezo (PT1) sounds a short sequence of notes on power-up.
 - LED1, LED2, LED3, and LED4 flash a rotating pattern
 - 7-segment display (DD1) counts up from 0 to F; 7-segment display (DD2) counts down from F to 0.
 - Pushing FPGA_RESET (SW6) resets the program.
- If the board does not function as described above, then contact your local Memec Design distributor immediately.

A User's Guide, board schematics, and set of test designs are available at the Memec Reference Design Center web site:

<http://www.memec.com/referencedesigncenter>

You can register for access using the number provided on the Kit Owner's Certificate.