1. Install the Latest Software

Install the MPLAB® IDE software onto your PC using the MPLAB IDE CD-ROM or download the software from the MPLAB IDE page of the Microchip web site (www.microchip.com/MPLAB). Check the latest Release Notes for additional information.

2. Configure PC USB Communications

Connect the PICkit™ 3 in-circuit development debugger/programmer to a PC USB port via a USB cable. PICkit 3 uses the standard HID USB Windows® driver. Connect power to the target board.

3. Build Your Project

1. Launch MPLAB IDE.
2. Load your project or use the Project Wizard to create a new one.
3. Build your project based on your configurations and options.

4. Connect to Target and Power

1. Attach the PICkit 3 to the PC using the USB cable, if not already.
2. Attach the communications cable between the debugger and target board.
3. Connect power to the target board.

Typical Debugger System – Device With On-Board ICE Circuitry:

Alternate Debugger System – ICE Device:

Power

Target Board

min-USB from PC

Header

Standard Adapter

min-USB from PC

Target Board

Power

4. Select Tool>

PICkit 3 as either a debugger (PICkit 3) or as a programmer (Programmer-Select Programmer-PICkit 3).

5. Program and Debug

1. Program your device. PICkit 3 will automatically run your code. As a debugger, you can run, halt, single step and set breakpoints in your code.

Note: For information on reserved resources used by the debugger, see the PICkit 3 online help.

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The PICkit 3 is a debugger that allows you to debug PIC microcontrollers connected via a JTAG interface. It provides a variety of features for debugging, including break points, single stepping, and code visualization.

Install the latest software and configure the PC USB communications. Then, build your project and connect to the target and power.

The PICkit 3 allows you to use the ICE interface to connect to the target, providing access to various development features. The recommended settings include configuring the oscillator, power, and other components to ensure smooth operation.

For detailed information and troubleshooting, refer to the PICkit 3 online help.