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DS50002217B

# Low Pin Count USB Development Kit

## Quick Start Guide

### Overview

The Low Pin Count USB Development Kit board layout and schematic can be found in the User's Guide (DS40001356) that is available on the Microchip web site:

www.microchip.com/DM164127-2
www.microchip.com/DM164139-2

This board provides plenty of flexibility for experimentation. A prototyping area is included, with ground (GND) and supply voltage (VDD) connections. It has footprints (land patterns) for devices of various sizes to accommodate the various components that you will use to develop applications.

### Board Power-Up

Use the 5-volt power setting supplied by the PICkit™ 3 or the USB connector (J1) to power the board.

### Board Layout

The PIC16F1459 DIP-20 microcontroller that is included with the Low Pin Count USB Development Kit board has been pre-programmed with a demo example of USB firmware. The firmware demonstrates basic USB communication between the USB microcontroller and a custom PC host software program (HID PnP Demo.exe).

Before you run the demo program, download and install the Microchip Libraries for Applications (MLA). The MLA is a free software package that contains source code for a wide variety of example application-related projects and resources, for USB and non-USB (e.g., cap touch, Ethernet, wireless, etc.).

Included among the USB resources in the MLA are firmware projects, example USB PC software programs, drivers, documentation and other resources that are useful for developing complete USB applications.

The MLA package can be obtained from:

http://www.microchip.com/MLA

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