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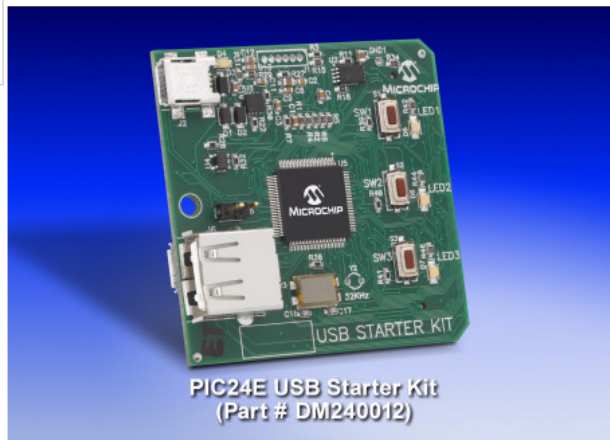
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## PIC24E USB Starter Kit [Buy it Now](#)

Part Number: DM240012



The PIC24E USB Starter Kit provides a low cost method for the development and testing of USB OTG, Host and Device applications on the PIC24E MCU family. The board contains an on-board programming/debugger, standard A USB and micro A/B connectors, three user-programmable LEDs, three push button switches and an expansion header compatible with the [Multimedia Expansion Board](#) (DM320005) and [I/O Expansion Board](#) (DM320002). The starter kit comes preloaded with basic Communication Device Class (CDC) demonstration software

The starter kit **contains** the following items:

1. PIC24E USB Starter Kit Development Board
2. PIC24E USB Starter Kit Information Sheet
3. USB mini-B to standard A cable - USB debug cable to debug and power the board
4. USB micro-B to standard A cable - USB cable to communicate with the PIC24E USB
- 5.



### Programming, Running and Debugging Applications

Use the following procedure for programming/debugging your application programs (the PIC24E Start Kit CDC USB Device Demo software available from the link below is mentioned here as an example):

1. Using MPLAB IDE, open the project *C:\dsPIC33E PIC24E USB Starter Kit Demo\Firmware\USB Device - CDC - Basic Demo - PIC24E USB Starter Kit.mcp*. (This assumes that the demo was installed in the default location)
2. Connect the starter kit to your PC using the provided USB mini-B to full-sized A cable. Note that the jumper in J5 should not be installed.
3. Choose "Starter Kit On Board" as the debugger tool in MPLAB IDE by selecting *Debugger > Select Tool> Starter Kit On Board*.
4. Choose the debug build configuration by selecting *Project > Build Configuration > Debug*.
5. Build the project by selecting *Project > Build All*.
6. Download the code into the starter kit by selecting *Debugger > Program*.
7. Run the downloaded application software by selecting *Debugger > Run*. At this time LED2 on the starter kit should turn on.
8. This demo allows the Starter Kit to appear as a serial (COM) port to the host. The instructions for this demo can be found at *C:\dsPIC33E PIC24E USB Starter Kit Demo\Documentation\Getting*

Started/Getting Started - Running the Device - CDC - Basic Demo. See the Running the Demo section.

**Downloads**

Title	Date Published	Size	D/L
<a href="#">dsPIC33E USB Starter Kit and PIC24E USB Starter Kit Information Sheet</a>	6/15/2011 8:17:59 AM	23 KB	
<a href="#">dsPIC33E USB Starter Kit and PIC24E USB Starter Kit Users Guide</a>	6/15/2011 12:31:39 AM	2349 KB	
<a href="#">PIC24E Starter Kit CDC USB Device Demo</a>	7/27/2011 10:44:05 AM	7348 KB	