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dsPIC33E USB Starter Kit **Buy it Now**

Part Number: DM330012

The dsPIC33E USB Starter Kit provides a low cost method for the development and testing of USB OTG, Host and Device applications on the 60 MIPS dsPIC33E DSC 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. dsPIC33E USB Starter Kit Development Board with a dsPIC33EP512MU814-I/PH DSC
2. dsPIC33E USB Starter Kit Information Sheet
3. USB mini-B to standard cable - USB debug cable to debug and power the board
4. USB micro-B to standard cable - USB cable to communicate with the dsPIC33E USB
5.

Programming, Running and Debugging Applications

Use the following procedure for programming/debugging your application programs (the dsPIC33E 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 - dsPIC33E 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
dsPIC33E Starter Kit CDC USB Device Demo	7/27/2011 10:39:17 AM	7348 KB	
dsPIC33E USB Starter Kit and PIC24E USB Starter Kit Information Sheet	6/15/2011 8:17:59 AM	23 KB	
dsPIC33E USB Starter Kit and PIC24E USB Starter Kit Users Guide	6/15/2011 12:31:39 AM	2349 KB	

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