

dsPIC33E USB Starter Kit [Buy Now](#)



Part Number: DM330012

Documentation & Software

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.

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):

- 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)
- 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.
- Choose "Starter Kit On Board" as the debugger tool in MPLAB IDE by selecting Debugger > Select Tool> Starter Kit On Board.
- Choose the debug build configuration by selecting Project > Build Configuration > Debug.
- Build the project by selecting Project > Build All.
- Download the code into the starter kit by selecting Debugger > Program.
- Run the downloaded application software by selecting Debugger > Run. At this time LED2 on the starter kit should turn on.
- 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.



Features

Package Contents

- On-board programming/debugger
- Standard A USB and micro A/B connectors
- Three user-programmable LEDs
- Three push button switches

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Documents	Last Updated	Size	
dsPIC33E Starter Kit CDC USB Device Demo	7/27/2011 9:45:08 AM	7MB	
dsPIC33E USB Starter Kit and PIC24E USB Starter Kit Users Guide	6/9/2011 6:45:49 PM	2MB	
dsPIC33E USB Starter Kit and PIC24E USB Starter Kit Information Sheet	6/9/2011 6:41:46 PM	23KB	