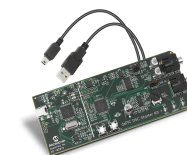# MPLAB Starter Kit for dsPIC DSCs
Part Number: DM330011

BUY IT NOW

Share

The MPLAB Starter Kit for dsPIC Digital Signal Controllers is a complete hardware and software tool suite for exploring applications based upon Microchip's dsPIC DSCs. With a built-in debugger on the board, simply install the software and connect the USB cable to the PC. Start up MPLAB IDE and you are in full control, able to run the sample programs, and to download and test your own applications. The board is designed with dsPIC DSC with 256 KB of flash memory, a high-fidelity audio codec, microphone input and headphone/speaker outputs, and is powered from the USB connection to the PC. Also on the board are reconfigurable switches, potentiometers, a temperature sensor and a 4 Mb serial EEPROM to store data such as audio samples.

MPLAB® Starter Kit for dsPIC® DSCs
(Part # DM330011)

Features | Package Contents

- Board includes integrated debugger / programmer

- USB powered

- dsPIC33FJ256GP506 DSC with 256 KB Flash and 16 KB RAM

- 16/24/32 bit codec with a maximum sampling frequency of 48KHz

- Low cost audio capture and play back circuitry using the 12 bit ADC and PWM Audio

- Microphone and line level inputs with adjustable input gain

- 100mW headphone amplifier with digital volume control

- 2 switches and 3 LEDs for user application purposes

- 4 Megabit serial flash memory for application use

- Temperature sensor

- CD contains MPLAB IDE with full editor, programmer and debugger; MPLAB C Compiler; code examples and user's guide

- All tools provided for developing and prototyping speech and audio application & algorithms

Documentation & Software

Back To Top

Documents	Last Updated	Size	
MPLAB Starter Kit for dsPIC DSCs Demo Files	3/30/2012 1:26:39 PM	35KB	
Quarter Brick Phase Shift Full Bridge DCDC Converter	10/28/2010 4:28:26 PM	35MB	
LLC Resonant Converter Reference Design using the dsPIC® DSC	6/24/2010 7:54:18 AM	28MB	
MPLAB Starter Kit for dsPIC DSCs User's Guide	5/17/2010 1:26:55 AM	2MB	

Training_Tutorials	Last Updated	Size	
Advanced SMPS Topics	1/27/2010 6:29:30 PM	21MB	