Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

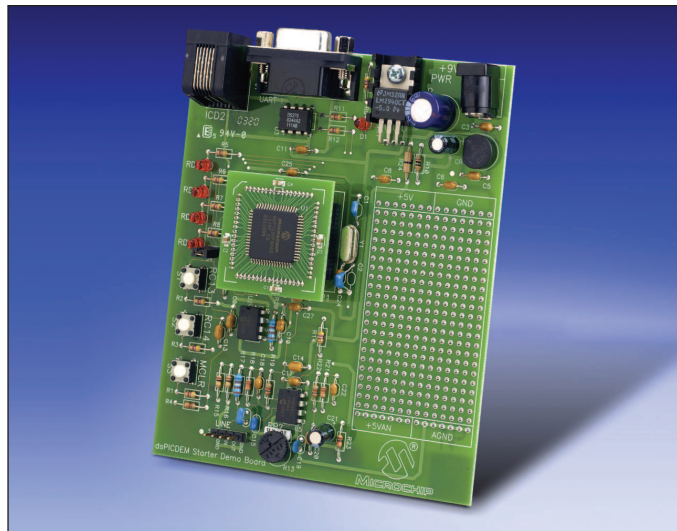# dsPICDEM™ Starter Demonstration Board

Summary

The low-cost dsPIC® MCU Starter Demo Kit allows the user to easily validate a development tool setup using the dsPIC30F. It has a power supply regulator, crystal oscillator, ICD header, serial port, LEDs, push-buttons, potentiometer, and a prototyping area. In addition, all pins on the dsPIC device are brought out to a terminal block for access.

Features

Key features of the dsPICDEM Starter Demonstration Board include:

- 5V power supply split at the regulator to provide a separate, de-coupled analog supply voltage useful in designs taking advantage of the 12-bit A/D converter.

- Analog peripherals including an MCP41010 digital potentiometer used as a DAC to generate signals, and a MCP6022 to provide output filtering for the DAC and an input filter for the 12-bit A/D. The filter cutoff frequencies are set to 4 KHz to allow telephone-quality signals.

- The dsPICDEM starter board is delivered with a demo application that uses the digital potentiometer to generate audio tones. This output can be connected into the 12-bit ADC for measurement.

Package Contents

- dsPICDEM Starter Demonstration Board
- Documentation on CD

Host System Requirements

- PC-compatible system with an Intel Pentium® class or higher processor, or equivalent
- A minimum of 16 MB RAM
- A minimum of 40 MB available hard drive space
- CD ROM drive
- Microsoft Windows® 98, Windows NT® 4.0, Windows 2000 or Windows XP

MICROCHIP
Development Systems

Part Numbers and Ordering Information:

dsPICDEM™ Starter Demonstration Board		
Part Number	**Description**	**Availability**
DM300016	dsPICDEM Starter Demonstration Board (Supports dsPIC30F5011, dsPIC30F6011, dsPIC30F6012)	Now

Development Tools from Microchip	
MPLAB® IDE	Integrated Development Environment (IDE)
MPASM™ Assembler	Universal PICmicro® Macro-Assembler
MPLINK™ Linker/MPLIB™ Librarian	Linker/Librarian
MPLAB SIM Simulator	Software Simulator
MPLAB C18	C Compiler for PIC18CXXX MCUs
MPLAB C30	C Compiler for dsPIC30F MCUs
PICkit™ 1	Flash Starter Kit
MPLAB ICD 2	In-Circuit Debugger
MPLAB ICE 2000	Full-featured Modular In-Circuit Emulator for PIC12, PIC16 and PIC18 MCUs
MPLAB ICE 4000	Full-featured Modular In-Circuit Emulator for PIC18 and dsPIC MCUs
PICSTART® Plus Programmer	Entry-level Development Kit with Programmer
MPLAB PM3 Device Programmer	Full-featured, Modular Device Programmer
KEELOQ® Evaluation Kit	Encoder/Decoder Evaluator
microID™ Developer's Kit	125 kHz and 13.56 MHz RFID Development Tools

DS51430B