

MCP3551 Delta-Sigma ADC Demo Board

Part Number: MCP3551DM-PCTL

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The MCP3551 Delta-Sigma ADC Demo Board is designed to demonstrate Microchip Technology's MCP3551 22-Bit Delta-Sigma Analog-to-Digital (ADC) Converter performance using DataView™ software installed on a PC. The demo board can be used with MPLAB® ICD2, PICkit™ 1 Flash Starter Kit, or PICkit™ 2 for developing demonstration/evaluation firmware. Optionally, a second installed MCP3551 can be used with and optional stimulus board (sold separately).



The board is designed to evaluate the MCP3551 with minimum Printed Circuit Board (PCB) noise. The PCB layout practices low-noise design to reduce the signal noise as much as possible in order to demonstrate the 22-Bit performance of the MCP3551.

Features

Package Contents

- Three precision potentiometers for demonstrating the capabilities of the MCP3551
- On-board PIC18F4550 with USB for DataView communication
- USB interface for connecting to a PC
- DataView™ software with easy-to-read format and data logging
- Three headers/connectors for programming the PICmicro® using any of the following:
 - PICkit™1 Flash Starter Kit
 - PICkit™2
 - MPLAB® ICD2 (debugger and programmer)

Documentation & Software

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AppNotes	Last Updated	Size	
AN1007 - Designing with the MCP3551 Delta-Sigma ADC (Japanese)	4/6/2006 2:13:15 AM	482KB	
AN1007 - Designing with the MCP3551 Delta-Sigma ADC	10/6/2005 3:03:00 PM	421KB	
Documents	Last Updated	Size	
MCP3550/MCP3551/MCP3553 Data Sheet	8/12/2014 9:17:23 AM	923KB	
Source Code for DataView v1.0.2 PC Software	4/25/2014 4:19:02 PM	8MB	
DataView v1.0.2 PC Software Setup	11/18/2009 11:10:22 AM	11MB	
MCP355X Tiny Application Sensor Demo Board User's Guide	4/21/2006 9:45:14 AM	530KB	
MCP3551 22-Bit Delta-Sigma ADC PICtail Demo Board User's Guide	4/20/2006 3:27:09 PM	806KB	
MCP3551 Delta-Sigma ADC Demo Board Gerbers	1/19/2006 1:15:29 PM	208KB	
MCP3551 Delta-Sigma ADC Demo Board Firmware	1/19/2006 1:13:25 PM	188KB	



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