MCP9800 Temperature Sensor PICtail Demo Board   Buy Now

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Part Number: MCP9800DM-PCTL

Documentation & Software

The MCP9800 Thermal Sensor PICtail™ Demo Board demonstrates how to interface the MCP9800 to a PICmicro® microcontroller using the PICkit™ 1 Flash Starter Kit as a platform. The kit includes:

- A PIC16F684 14-pin Flash-based 8-bit CMOS microcontroller that can be used with PICkit™ 1 Flash Starter Kit
- Firmware that provides the I2C™ interface and temperature conversion routines to communicate with the MCP9800 and convert serial data to temperature data

The MCP9800 Thermal Sensor PICtail Demo Board can also be used as a stand-alone module to quickly add thermal sensing capability to any existing application. This basic sensor functionality is implemented on a small Printed Circuit Board (PCB) and an interface via a standard 100 mil header.

Features | Package Contents

- Standard 100 mil 14-pin header (J2) for easy interface to PICkit™ 1 Flash Starter Kit or custom application
- 7-segment LED display to display temperature in °C or °F
- Temperature Alert indicating LED
- Small PCB layout

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Documents	Last Updated	Size	
MCP9800 Thermal Sensor PICtail Demo Board User's Guide	6/1/2006 3:19:57 PM	595KB	
MCP9800 Temperature Sensor PICtail Demo Board Gerbers	1/11/2006 1:30:43 PM	109KB	
MCP9800 Temperature Sensor PICtail Demo Board LED Firmware	1/11/2006 1:28:16 PM	5KB	
MCP9800 Temperature Sensor PICtail Demo Board Firmware	1/11/2006 1:25:11 PM	20KB	