

## MCP9800 Temperature Sensor Demo Board

Part Number: MCP9800DM-TS1

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The MCP9800 Temperature Sensor Demo Board demonstrates the sensor's features. Users can connect the demo board to a PC with USB interface and evaluate the sensor performance. The 7-Segment LED displays temperature in degrees Celsius or degrees Fahrenheit; the temperature alert feature can be set by the users using an on board potentiometer. An alert LED is used to indicate an over temperature condition. In addition, temperature can be datalogged using the Microchip Thermal Management Software Graphical User Interface (GUI). The sensor registers can also be programmed using the GUI.



### Features

### Package Contents

- MCP9800 Temperature Sensor
- Temperature display with 7-Segment LED
- PC interface with USB
- Graphical User Interface for temperature datalog and sensor configuration

## Documentation & Software

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| AppNotes                                                                                                     | Last Updated           | Size  |                                                                                       |
|--------------------------------------------------------------------------------------------------------------|------------------------|-------|---------------------------------------------------------------------------------------|
| <a href="#">AN1001 - IC Temperature Sensor Accuracy Compensation with a PIC Microcontroller</a>              | 9/8/2015 2:47:34 PM    | 361KB |  |
| <a href="#">AN988 - Interfacing the MCP9800 I2C Digital Temperature Sensor to a PICmicro Microcontroller</a> | 5/16/2005 11:11:16 AM  | 195KB |  |
| Documents                                                                                                    | Last Updated           | Size  |                                                                                       |
| <a href="#">Thermal Management Utility (v1.5.5)</a>                                                          | 4/11/2017 9:59:35 AM   | 6MB   |  |
| <a href="#">MCP9800/1/2/3 Data Sheet</a>                                                                     | 11/15/2010 3:12:55 PM  | 754KB |  |
| <a href="#">MCP9800 Temperature Sensor Demo Board User's Guide</a>                                           | 11/13/2008 11:11:45 AM | 303KB |  |
| <a href="#">MCP9800 Temperature Sensor Demo Board Gerbers</a>                                                | 11/13/2008 11:04:38 AM | 187KB |  |
| <a href="#">MCP9800 Temperature Sensor Demo Board Firmware</a>                                               | 11/13/2008 11:02:21 AM | 280KB |  |

