

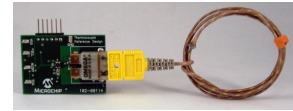
Thermocouple Reference Design

Part Number: TMPSNSRD-TCPL1

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The Thermocouple Reference Design demonstrates how to instrument a Thermocouple and accurately sense temperature over the entire Thermocouple measurement range. This solution uses the MCP3421 18-Bit Analog-to-Digital Converter (ADC) to measure voltage across the Thermocouple.



Features | **Package Contents** | Host System Requirements

- Thermocouple Reference Design, 102-00114
- Supports K-type Thermocouple
- USB interface to PC
- Graphical User Interface for temperature data-log

Documentation & Software

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Documents	Last Updated	Size	
Thermal Management Utility (v1.5.5)	4/11/2017 9:59:35 AM	6MB	
Thermocouple Reference Design (TMPSNSRD-TCPL1) Firmware	3/18/2013 3:08:12 PM	491KB	
MCP9804 Data Sheet	1/9/2012 9:10:32 AM	1MB	
Thermocouple Reference Design	1/22/2010 9:25:52 AM	372KB	
TMPSNSRD-TCPL1 Gerbers	1/22/2010 9:22:47 AM	187KB	
18-Bit ADC with I2C Interface and Onboard Reference	8/7/2009 11:30:01 AM	722KB	

