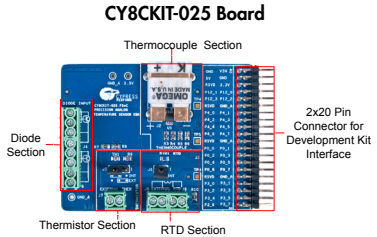
CY8CKIT-025 PSoC Precision Analog Temperature Sensor Expansion Board Kit Contents





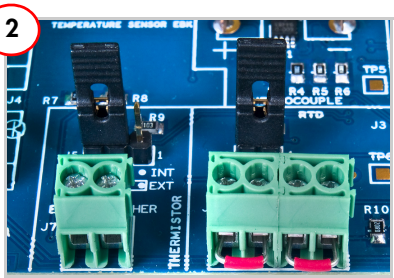
1



Install Software

1. Insert the kit DVD and install the kit software.
2. Refer to the CY8CKIT-025 Kit Guide in <Install_Directory>\PSoC Precision Analog EBK\<version>\Documentation for detailed installation instructions.
3. The projects will be installed at <Install_Directory>\PSoC Precision Analog EBK\<version>\Firmware.

2

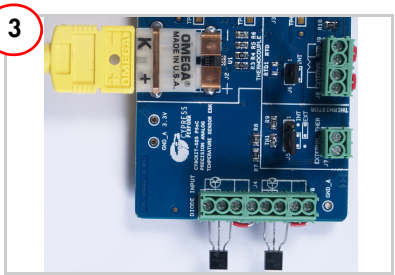


Board Setup

1. Verify that jumper J6 is installed for RTD measurement.
2. Verify that jumper J5 is installed between pins 2 and 3 to use the thermistor on board.

PSoC® PRECISION ANALOG TEMPERATURE SENSOR EXPANSION BOARD KIT QUICK START GUIDE

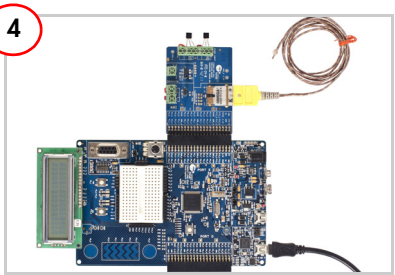
3



Board Setup

1. Connect the thermocouple at connector J2.
2. Connect 2N3904 transistors at connector J4 for diode measurement.

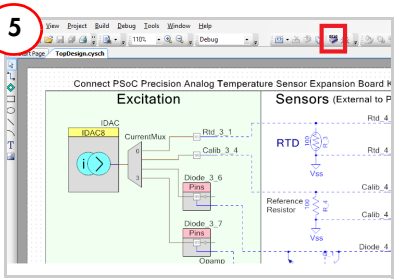
4



Connect with PSoC 3/PSoC 5 Development Kit

1. Connect the CY8CKIT-025 Expansion Board Kit to Port E of the CY8CKIT-030 PSoC 3 Development Kit/CY8CKIT-050 PSOC 5LP Development Kit.
2. Power the CY8CKIT-030/CY8CKIT-050 by connecting the USB cable at J1.

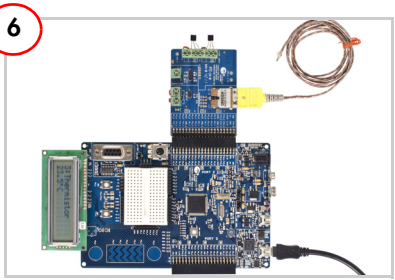
5



Program the PSoC Device

1. Open TempSense_030_050.cywrk from **PSoC Creator Start Page > Examples and Kits > Kits > PSoC Precision Analog EBK**.
2. Select the location for the example project.
3. Click the **Program** icon in PSoC Creator.
4. Press the **Reset** button on the board to restart the kit.

6



Test the Expansion Board Kit

1. LCD shows the temperature reading.
2. Use the P5_5 and P5_6 CapSense buttons on CY8CKIT-030/CY8CKIT-050 to select temperature display of different sensors.
3. Refer to the CY8CKIT-025 Kit Guide, mentioned in step 1, for information on kit operation and additional example projects using CY8CKIT-001 and CY8CKIT-030/CY8CKIT-050.

For the latest information about this kit, visit
http://www.cypress.com/go/CY8CKIT-025

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Doc #: 001-65531 Rev. *F