PSoC Thermal Management Expansion Board Kit CY8CKIT-036

Quick Start Guide

hat’s in the Box?
Cypress TME Board
Quick Start Guide
Power DC Adaptor 12V/2A
System CD

For support, please contact us at:

Online: www.cypress.com/go/support
Telephone (24/7) +1-800-541-4736 ext. 8 (USA) or +1-408-943-2600 ext. 8 (International)

For additional information visit:
http://www.cypress.com/go/CY8CKIT-036 or http://tme.terasic.com

PSoC Thermal Management Expansion Board Kit CY8CKIT-036

1. Insert the kit CD and install the kit software
   • View the User’s Guide for detailed instructions
   • During the install, continue with hardware setup

2. Set VDD DIG and VDD ANLG to 3.3V by placing jumpers in 1-2 position of J10 and J11. Enable POT_PWR by installing a jumper on J30 of the CY8CKIT-030

3. Program the PSoC Thermal Management Demo
   • Connect the USB cable to J1 on the CY8CKIT-030.
   • Using the PSoC Programmer software, program the PSoC device with the "Thermal_Demo-030_rev1.hex" file located at "C:\Program Files\Terasic\PSoC Thermal Management EBK\1.0\Firmware\Hex_Files".

4. Run the PSoC Thermal Management Demo
   • Use SW2 to navigate between the thermal management screens on the LCD
   • Refer to the User’s Guide example 3 for project details and additional thermal management solutions


PSoC Thermal Management Expansion Board Kit CY8CKIT-001

1. Insert the kit CD and install the kit software
   • View the User’s Guide for detailed instructions
   • During the install, continue with hardware setup

2. Set "VDD DIG" and "VDD ANLG" to 3.3V using SW3, J6 and J7 on the CY8CKIT-001

3. Ensure LCD Power jumper (J12) is set to ON and the LCD display is plugged into the DVK

4. Connect VR to P1_2, SW1 to P1_4 and SW2 to P1_5 on the breadboard area of the CY8CKIT-001 and ensure J11 is set with a jumper.

5. Program the PSoC Thermal Management Demo
   • Connect the Miniprog3 to the PSoC 3 processor module.
   • Using the PSoC Programmer software, program the PSoC device with the "Thermal_Demo-001_rev1.hex" file located at "C:\Program Files\Terasic\PSoC Thermal Management EBK\1.0\Firmware\Hex_Files".

6. Run the PSoC Thermal Management Demo
   • Remove power to the DVK, plug the TME EBK into Port A of the DVK and re-apply power to the DVK and EBK using the provided power adapter(s).
   • Use SW1 to navigate between the thermal management screens on the LCD
   • Refer to the User’s Guide example 3 for project details and additional thermal management solutions


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• Connect the Miniprog3 to the PSoC 3 processor module.
• Using the PSoC Programmer software, program the PSoC device with the "Thermal_Demo-001_rev1.hex" file located at "C:\Program Files\Terasic\PSoC Thermal Management EBK\1.0\Firmware\Hex_Files".

• Use SW1 to navigate between the thermal management screens on the LCD
• Refer to the User’s Guide example 3 for project details and additional thermal management solutions.

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