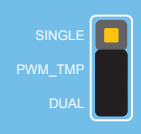
雙銅紙 A4 100P 雙面印 中間一刀裁 完成尺寸 148.5X210 出單請打上料號 CPT-3076-01

4 Jumper Settings

Jumper	Default Setting
J2	 3-pin header to choose between single sensor or dual sensor (daisy chain) connection for the PWM temperature sensors. Place jumper in 1-2 position to enable dual sensor daisy-chain mode.
J3	 3-pin header to set logic signal levels for digital temperature sensors. Place in 1-2 for 5V interfacing. Place in 2-3 position to 3.3V interfacing.
J9	 3-pin header for fan power supply. Place in 1-2 position to source external power from the power jack (J13). Place in 2-3 position to source 12V power from the DVK.

For support, please contact us at:

Online:www.cypress.com/go/support

Telephone (24x7): +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

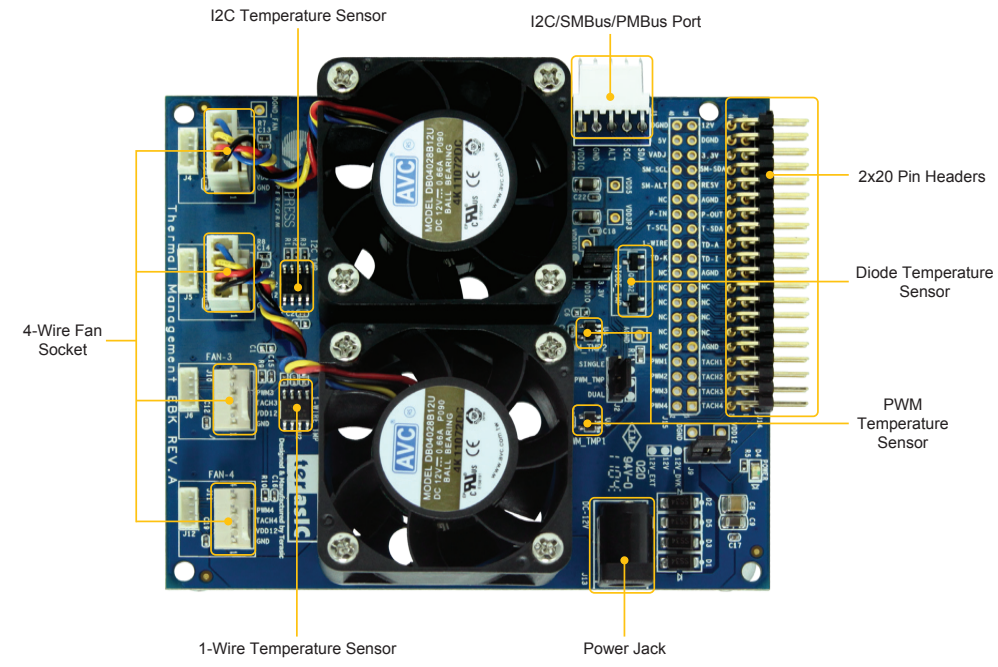
CPT-3076-01

terasIC www.terasic.com

CYPRESS PERFORM

PSoC Thermal Management Expansion Board Kit CY8CKIT-036

Quick Start Guide ▸▸▸



1 What's in the Box?



1. Cypress TME Board
2. Quick Start Guide
3. Power DC Adaptor 12V/2A
4. System CD

NOTE:
This kit requires one of the following kits to operate:
1.CY8CKIT-001 PSoC Development Kit
2.CY8CKIT-030 PSoC 3 Development Kit

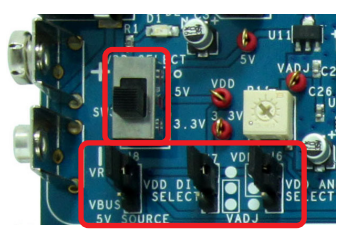
http://tme.terasic.com
http://www.cypress.com/go/CY8CKIT-036

2 TME module installation CY8CKIT-001

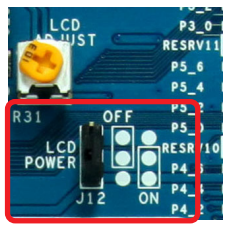
1. Insert the kit CD and install the kit software
   - View the User's Guide for detailed instructions
   - During the install, continue with hardware setup



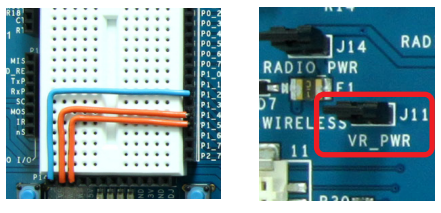
2. Set "VDD DIG" and "VDD ANLG" to 3.3V using SW3, J6 and J7 on the CY8CKIT-001



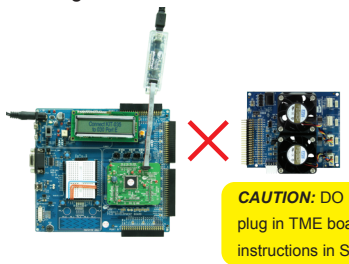
3. Ensure LCD Power jumper (J12) is set to ON and the LCD display is plugged into the DVK



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.

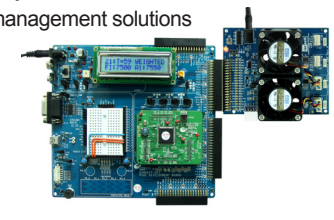


5. Program the PSoC Thermal Management Demo
   - Connect the Miniprog3 to the PSoC 3 processor module.
   - Using the PSoC Programmer software, program the PSoC device with the "Thermal_Demo-001_rev1.hex" file located at "C:\Program Files\Terasic\PSoC Thermal Management EBK\1.0\Firmware\Hex_Files".



CAUTION: DO NOT plug in TME board-follow instructions in Step 6

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

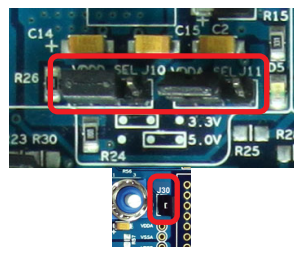


3 TME module installation CY8CKIT-030

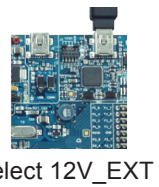
1. Insert the kit CD and install the kit software
   - View the User's Guide for detailed instructions
   - During the install, continue with hardware setup



2. Set VDDD and VDDA 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

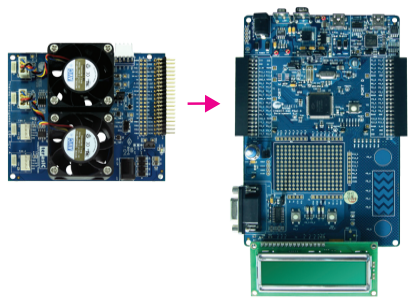


3. Program the PSoC Thermal Management Demo
   - Connect the USB cable to J1 on the CY8CKIT-030.
   - Using the PSoC Programmer software, program the PSoC device with the "Thermal_Demo-030_rev1.hex" file located at "C:\Program Files\Terasic\PSoC Thermal Management EBK\1.0\Firmware\Hex_Files".

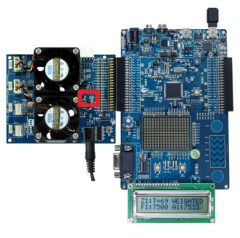


CAUTION: DO NOT plug in TME board-follow instructions in Step 4

4. Remove the USB cable from the CY8CKIT-030 and plug the TME EBK into Port E



5. Select 12V_EXT with J9 in the 1-2 position on the TME EBK. Then plug in the 12V/2A power supply into the TME EBK at J13.Connect the USB cable to J1 on the CY8CKIT-030.



6. 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.

