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THIS SPEC IS OBSOLETE

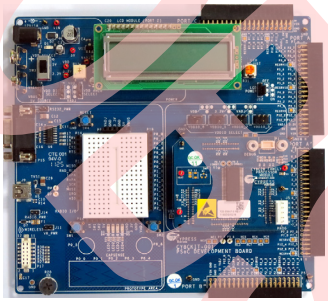
Spec No: 001-80792

Spec Title:CY8CKIT-016 PSOC(R) 1 THERMAL MANAGEMENT KIT QUICK START GUIDE

Replaced by: NONE

Prerequisites for CY8CKIT-016

CY8CKIT-001



CY8CKIT-001 Board with CY8C28 Family Processor Module



USB Cable

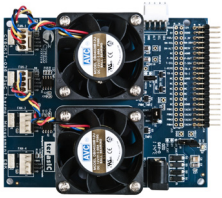


MiniProg3



Connecting Wires

CY8CKIT-036



CY8CKIT-036 Board



Power Adapter

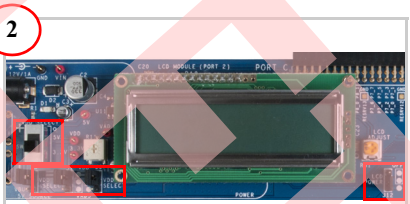
1



Download the *CY8CKIT-016 Kit Setup* executable file from http://www.cypress.com/go/CY8CKIT-016. If you already have PSoC Designer and PSoC Programmer installed, download *CY8CKIT-016 Kit Only*. Run the executable file to start the installation process.

During the installation process, continue with the hardware setup.

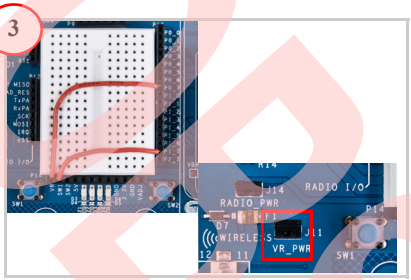
2



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

Attach the LCD included with the PSoC DVK and set the LCD power jumper (J12) to ON.

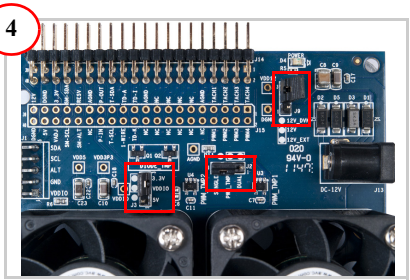
3



Connect VR to P0_7 and SW1 to P1_7on the CY8CKIT-001; set J11 with a jumper.

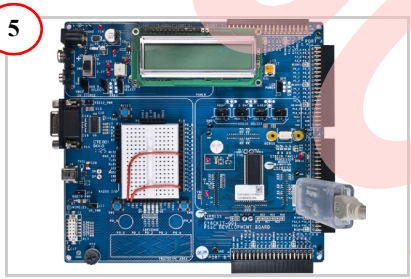
Plug the CY8C28 family processor module into CY8CKIT-001.

4



On the CY8CKIT-036, set jumpers as follows: J2 to SINGLE, J3 to 3.3 V, and J9 to 12V_DVK.

5



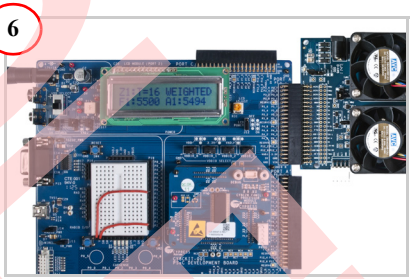
Connect the MiniProg3 to the CY8C28 family processor module.

Launch PSoC Programmer; load *CY8CKIT_016_Example_Project.hex*, located at C:\Program Files\Cypress\CY8CKIT-016\1.0\ Firmware\Hex_File.

In PSoC Programmer, use the following settings: Programming Mode: **Power Cycle**, Auto Detection: **ON**, Protocol: **ISSP**, Voltage: **5.0**.

Click on **Program** to program the device.

6



After programming, remove MiniProg3 and insert the CY8CKIT-036 into Port A of the CY8CKIT-001; power the CY8CKIT-001.

The LCD will display Zone 1 temperature, set fan speed, and actual fan speed

Pressing SW1 will display the same for Zone 2. Pressing SW1 again will display Zone temperature and individual temperature sensor readings.

See the example project in the kit guide for details.

For the latest information about this kit, visit
http://www.cypress.com/go/CY8CKIT-016

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