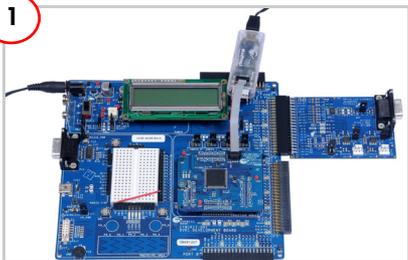


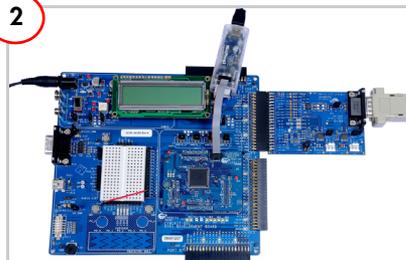
1



## Board Setup

1. Plug the CY8CKIT-017 Expansion Board (EBK) into Port A of the CY8CKIT-001 DVK.
2. Install the PSoC<sup>®</sup> Family processor module.
3. Connect the MiniProg3 to the PSoC 3 processor module.
4. Connect the jumper wire from VR to pin P1\_6.
5. Connect power to the CY8CKIT-001 DVK.

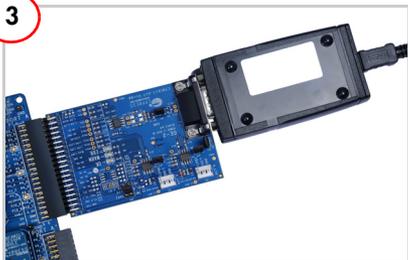
2



## System Setup with Two DVKs

1. Perform steps 2 and 3 below only if two CY8CKIT-001 DVKs and two CY8CKIT-017 EBKs are available.
2. Set up and configure the second DVK and EBK similar to the first DVK and EBK.
3. Connect the two expansion boards together with a "straight-through" male-to-male DB9 cable.

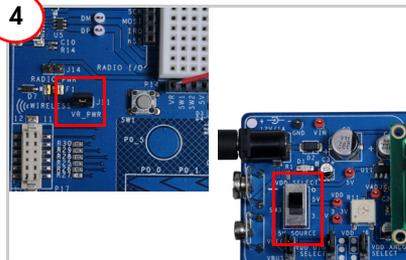
3



## System Setup with CAN Analyzer

1. Perform steps 2 and 3 below only if one DVK, one EBK, and one CAN analyzer are available.
2. Connect the expansion board to a CAN analyzer through the DB9 connector.
3. Set up the CAN analyzer to receive a 1-byte CAN message (ID = 0x2FF) and also transmit a 1-byte CAN message (ID = 0x3FF) every 100 ms. The baud rate is 500 kbps.

4



## Jumper Settings

1. Power on the potentiometer by setting the VR\_PVWR jumper (J11) to the ON position on the DVK.
2. Set the VDD SELECT switch (SW3) on the DVK to the 5 V position.
3. The remaining jumper settings on the DVK and EBK must be set to or left at the default state. Refer to the kit guide documents of the DVK and EBK for the default jumper settings.

5



## Install Software

1. Install PSoC Programmer and PSoC Creator from the CY8CKIT001 kit CD.
2. Install the kit contents by inserting this kit's CD and selecting one of the kit installation options from the autorun screen.
3. Access the CY8CKIT-017 kit guide, code examples, and other documentation from the Start Page of PSoC Creator.

6



## Board Testing

1. Program the PSoC 3 device on the first CY8CKIT001 DVK with code example "CAN\_Example\_1". If using a second DVK and EBK, program the second PSoC 3 device on the second DVK with code example "CAN\_Example\_2".
2. Push the RESET button (SW4) on the DVK(s) to start execution of the code example(s).
3. Vary the VR potentiometer (R20) and note the status change displayed on the LCD(s).

For the latest information about this kit, visit  
<http://www.cypress.com/go/CY8CKIT-017>

