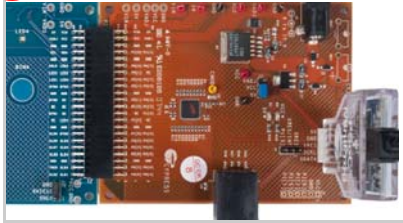**1**

1. Insert the kit CD in the CD drive.
2. Install the kit contents, PSoC Designer, and PSoC Programmer.
3. The hardware prerequisites for this kit are the CY3280-20x34* Universal CapSense Controller (UCC) board and MiniProg1.
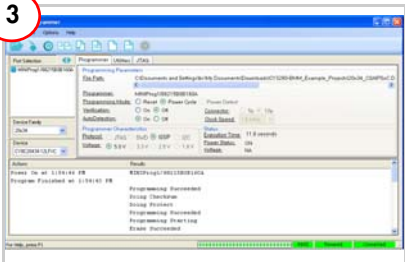
* Note The ordering part number for CY3280-20x34 UCC is CY3280 - BK1.

2

1. Connect the CY3280-SLM board to the CY3280-20x34 UCC board's P2 connector.
2. In the CY3280-20x34 board, place the jumper on header J1 to short pins 2 and 3.
3. In the CY3280-SLM board, place the jumper on header J2 to short pins 2 and 3.

3

1. Connect MiniProg1 to the CY3280-20x34 UCC Board's ISSP connector (J3). Connect it to your PC using a USB cable.
2. Open PSoC Programmer and click File>File Load. Browse and load the *CY3280_20x34_PD_Project1.hex* file*.
3. Click Connect; connect MiniProg1 to PC.
4. Click Program button to program the device.
5. Click Toggle button to power the board.

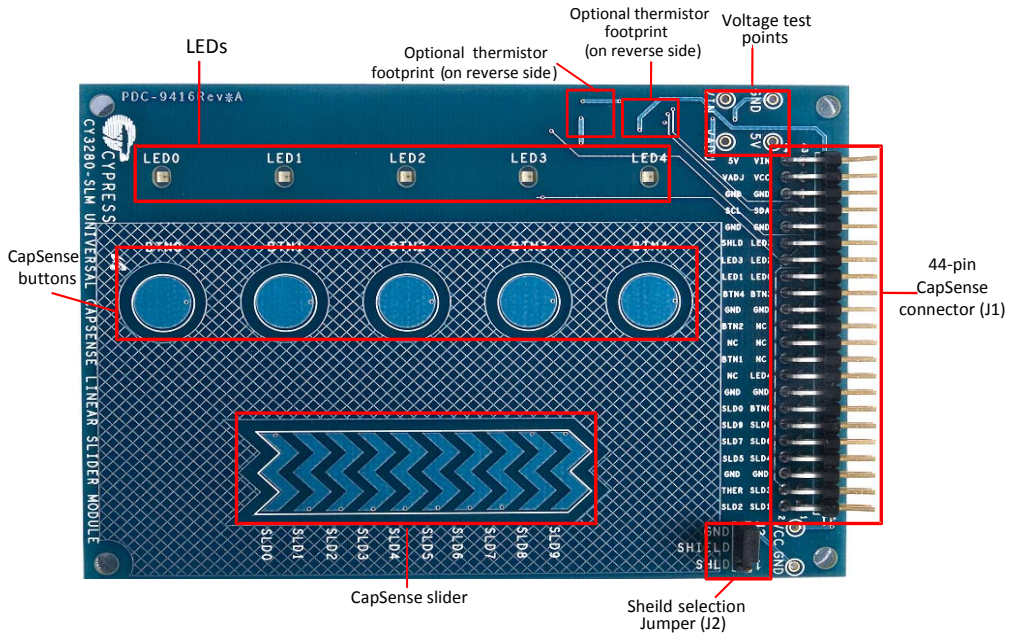***Note** These files are located at: <Install directory>\Cypress\CY3280-SLM\<version>\Firmware

4
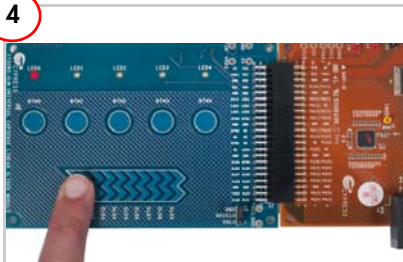
1. Touch and move the linear slider on the CY3280-SLM module board. The corresponding LEDs on the CY3280-SLM board light up.
2. Touch a button. The corresponding LED on the CY3280-SLM module board lights up.
3. You can touch multiple buttons at the same time. The linear slider and buttons can be used at the same time.

CY3280-SLM Kit Details

LEDs

Optional thermistor footprint (on reverse side)

Optional thermistor footprint (on reverse side)

Voltage test points

PDC-9416Rev*A

CYPRESS CY3280-SLM UNIVERSAL CAPSENSE LINEAR SLIDER MODULE

LED0 LED1 LED2 LED3 LED4

5V VIN
VADJ VCC
GND GND
SCL SDA
SHLD LED2
LED3 LED2
LED1 LED0
BTN4 BTN3
GND GND
BTN2 NC
NC NC
BTN1 NC
NC LED4
GND GND
SLD0 BTN0
SLD9 SLD1
SLD7 SLD6
SLD5 SLD8
GND GND
THER SLD3
SLD2 SLD1

CapSense buttons

44-pin CapSense connector (J1)

SLD0 SLD1 SLD2 SLD3 SLD4 SLD5 SLD6 SLD7 SLD8 SLD9

SHIELD SLD

CapSense slider

Sheild selection Jumper (J2)

Notes

- For more details on code examples, refer to the PDF file along with the project in the Firmware folder (for example, *21x34_CSD PD project 1.pdf*) in the following directory:
  <Install directory> \Cypress\CY3280-SLM\<version>\Firmware\21x34_CSD\PD project 1.
- CY3280-SLM can be used with any of the following UCCs:
    1. CY3280- 20x66
    2. CY3280- 24x94
    3. CY3280- 21x34 (ordering part number is CY3280-BK1)

For the latest information about this kit visit
www.cypress.com/go/CY3280-SLM