CY3267 POWERPSoC® LIGHTING
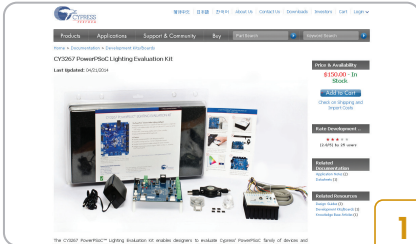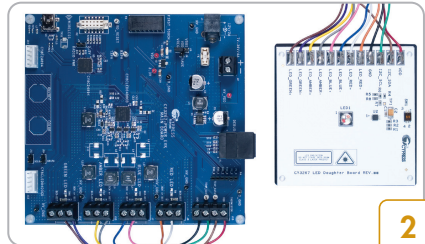

- Download and Install the latest kit software and examples from
  www.cypress.com/go/CY3267
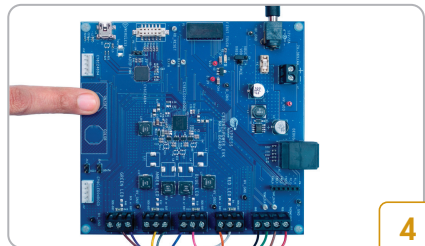

- Connect the CY3267 PowerPSoC® board to the LED daughter board; see the user guide for instructions

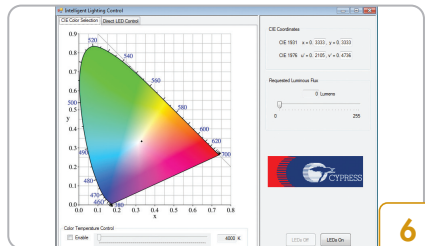- Mount the optical diffuser on the LED daughter board. Connect the power supply to the main board

- Touch the ON/OFF CapSense® button to toggle the LEDs. Touch the COLOR CapSense button to cycle through colors

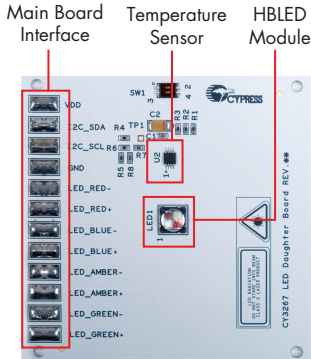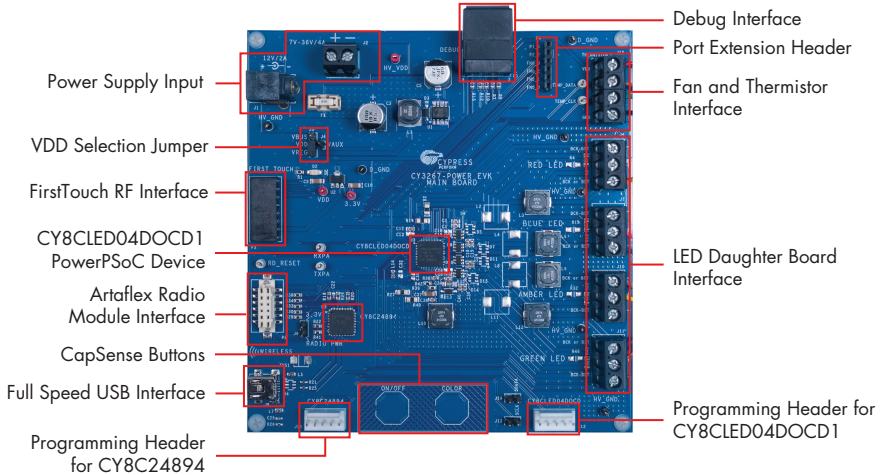- Connect the main board to the PC using the USB cable provided with the kit

- Use the GUI installed on the PC to control LEDs. See the user guide for more information about the GUI

CY3267 POWERPSoC® LIGHTING

CY3267 PowerPSoC Lighting Evaluation Kit Details

- Debug Interface
- Port Extension Header
- Fan and Thermistor Interface
- LED Daughter Board Interface
- Programming Header for CY8CLED04DOCD1

- Power Supply Input
- VDD Selection Jumper
- FirstTouch RF Interface
- CY8CLED04DOCD1 PowerPSoC Device
- Artaflex Radio Module Interface
- CapSense Buttons
- Full Speed USB Interface
- Programming Header for CY8C24894

Main Board Interface | Temperature Sensor | HBLED Module

CHANNEL	BUCK or BOOST TOPOLOGY			BUCK - BOOST TOPOLOGY		
RED (J6)	BCK-BST	J6 −		BCK-BST	J6 − LED_RED- (ORANGE)	
		+ LED_RED+ (WHITE)			+ LED_RED+ (WHITE)	
	BCK or BST	LED_RED- (ORANGE) −		BCK or BST	−	
BLUE (J7)	BCK-BST	J7 −		BCK-BST	J7 − LED_BLUE- (BLUE)	
		+ LED_BLUE+ (PINK)			+ LED_BLUE+ (PINK)	
	BCK or BST	LED_BLUE- (BLUE) −		BCK or BST	−	
AMBER (J10)	BCK or BST	J10 − LED_AMBER- (GRAY)		BCK or BST	J10 −	
		+ LED_AMBER+ (YELLOW)			+ LED_AMBER+ (YELLOW)	
	BCK-BST	−		BCK-BST	LED_AMBER- (GRAY) −	
GREEN (J11)	BCK or BST	J11 − LED_GREEN- (PURPLE)		BCK or BST	J11 −	
		+ LED_GREEN+ (BROWN)			+ LED_GREEN+ (BROWN)	
	BCK-BST	−		BCK-BST	LED_GREEN- (PURPLE) −	

Refer to this image to connect the LED Daughter Card Interface on the main board and the Main Board Interface on the daughter board. Note that the Buck or Boost Topology is required for the onboard firmware to work properly

For the latest information about this kit, visit www.cypress.com/go/CY3267

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