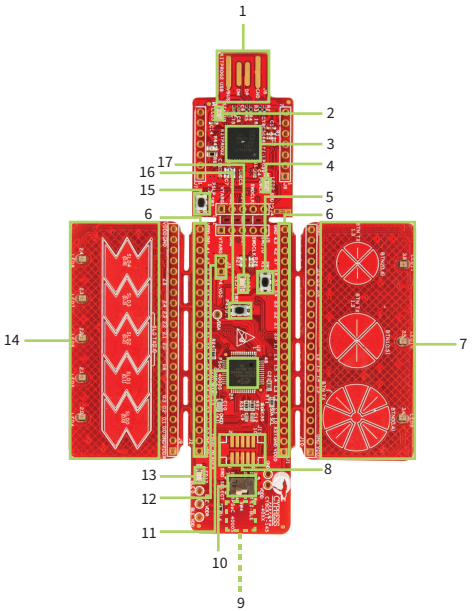

QUICK START GUIDE

CY8CKIT-145-40XX PSOC™ 4000S Prototyping Kit

1) Connect the board to your PC through the PCB USB connector (J8).
2) The user LED (LED1) will display the breathing effect throughout the process.
3) Touch the CAPSENSE™ buttons (BTN0, BTN1, BTN2). The corresponding LEDs (LED9, LED10, LED11) turn on.
4) Touch the CAPSENSE™ sliders (SLD0, SLD1, SLD2, SLD3, SLD4). The LEDs (LED4, LED5, LED6, LED7, LED8) up to the touch position are turned on.

1 PCB USB Connector (J8)
2 KitProg3 status LED (LED3)
3 PSOC™ 5LP MCU with KitProg3 firmware (CY8C5868LTI-LP039 - U1)
4 Power LED (LED2)
5 Reset switch (SW1)
6 I/O expansion headers (J1, J2)**
7 CSX CAPSENSE™ buttons (BTN0, BTN1, BTN2) and corresponding LEDs (LED9, LED10, LED11)
8 MiniProg4 SWD interface header provision (J11)**
9 AIROC™ Bluetooth® LE module (CYBLE-022001-00 - U4)
10 Programming selection switch (SW4)*
11 PSOC™ 4000S MCU (CY8C4045AZI-S413 - U2)
12 Current measurement jumper (J3)**
13 User LED of AIROC™ Bluetooth® LE module (LED12)
14 CAPSENSE™ 5-segment sliders (SLD0, SLD1, SLD2, SLD3, SLD4) and corresponding LEDs (LED4, LED5, LED6, LED7, LED8)
15 KitProg3 mode switch (SW3)
16 User button (SW2)
17 User LED (LED1)

* The programming selection switch (SW4) is used to program either the PSOC™ 4000S device or the AIROC™ Bluetooth® LE module.
** Footprints only, not populated on the board.

For more information, please visit:
www.infineon.com/CY8CKIT-145-40XX

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PSOC™ Rocks

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