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The EZ-BT Mesh Evaluation Kit (CYBT-213043-MESH) enables you to evaluate SIG Mesh functionality and features using the EZ-BT WICED Module CYBT-213043-02. The CYBT-213043-02 EZ-BT WICED Module is an integrated, fully certified, 12.0 mm x 16.61 mm x 1.70 mm, programmable Bluetooth® Smart Ready module designed to reduce your time-to-market. The CYBT-213043-02 module utilizes the Cypress CYW20819 silicon device.
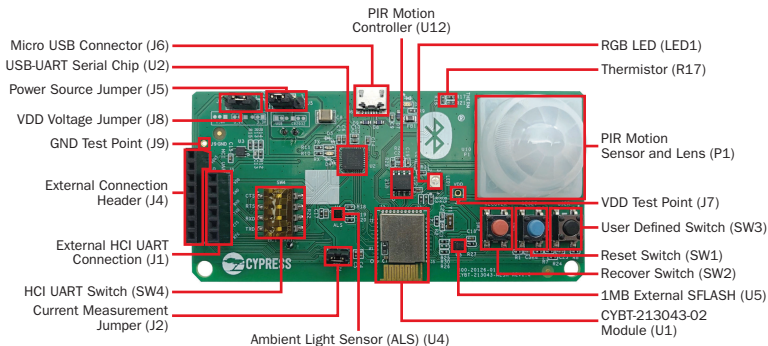
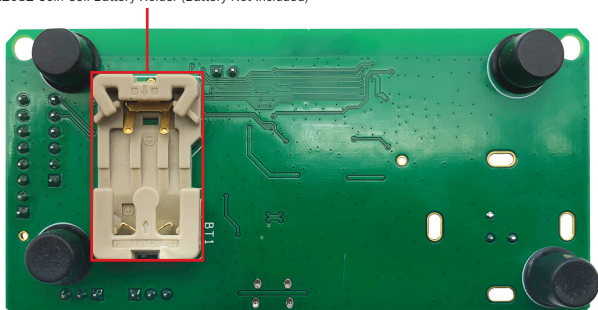**Figure 1: CYBT-213043-MESH Top View**

SW1: Reset Switch routed to the XRES connection on the module (CYBT-213043-02).

SW2: Recover Switch routed to the UART_CTS connection on the module.

SW3: User-defined Switch routed to P26 on the module.

SW4: Switch connecting HCI UART connections on the module to the PC host via USB.

J1: Connection for external interface for direct HCI UART communication.

J2: Used for power supply current measurement.

J4: Header exposing 5V_VBUS on the kit as well as module specific connections (GND, VDD, HOST_WAKE, DEV_WAKE, XRES, P12, P13).

J5: Used for power source configuration (USB Powered or Coin Cell).

J7: VDD Test Point.

J8: Configures the VDD voltage input to the module as shown in the below table:

J8 Jumper Configuration	VDD Voltage Level
Short 1 & 2	3.0 V
Short 2 & 3	3.6 V
Open 1 & 2 & 3	1.8 V

J9: GND Test Point.

EZ-BT™ MESH EVALUATION KIT CYBT-213043-MESH

CR2032 Coin Cell Battery Holder (Battery Not Included)

Figure 2: CYBT-213043-MESH Bottom View

Getting started with CYBT-213043-MESH Kit:

1) Download and install ModusToolbox™ Software IDE from www.cypress.com/modustoolbox.
2) Download the Getting Started with BLE Mesh Application Note available at www.cypress.com/ble-mesh.
3) Connect the evaluation board to a PC via the provided USB cable.
4) Refer to the Getting Started with BLE Mesh Application Note for code examples and step-by-step instructions on how to start your project and program your boards using the ModusToolbox IDE.
5) Use the BLE Mesh helper applications (Android, iOS, Windows) to evaluate and test your mesh application. Refer to the Getting Started Application Note for more details on these applications.

Kit contents:

- 4x mesh evaluation boards
- 4x USB A to micro-B cables
- 1x quick start guide (this document)

For more information, visit:

www.cypress.com/ble - Bluetooth and BLE Silicon Solutions Home Page
www.cypress.com/bluetooth_modules - EZ-BT Module Home Page
www.cypress.com/ble-mesh - Cypress BLE Mesh Solution Webpage
community.cypress.com - Cypress Developer Community

The CYBT-213043-02 EZ-BT WICED Module supports Bluetooth SIG Mesh, is qualified to the Bluetooth 5.0 specification and is certified for the 2.4 GHz unlicensed frequency range in USA (FCC), Canada (ISED), Europe (CE), and Japan (MIC).

Visit www.cypress.com/support for technical support.

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