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Continuity of ordering part numbers

Infineon continues to support existing part numbers. Please continue to use the ordering part numbers listed in the datasheet for ordering.

ARDUINO EVALUATION BOARD FOR EZ-BT™ MODULE

CYBT-243068-EVAL



The CYBT-243068-EVAL Arduino Evaluation Board for EZ-BT Module enables you to evaluate and develop applications on the EZ-BT WICED® Module, CYBT-243068-02. This board can be used as a standalone evaluation board or can be combined with Arduino-compatible shields.

The CYBT-243068-02 WICED Module is a fully 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.

For more information, visit:

[EZ-BT Module home page](#)

[EZ-Serial Bluetooth Firmware Platform page](#)

[ModusToolbox® page](#)

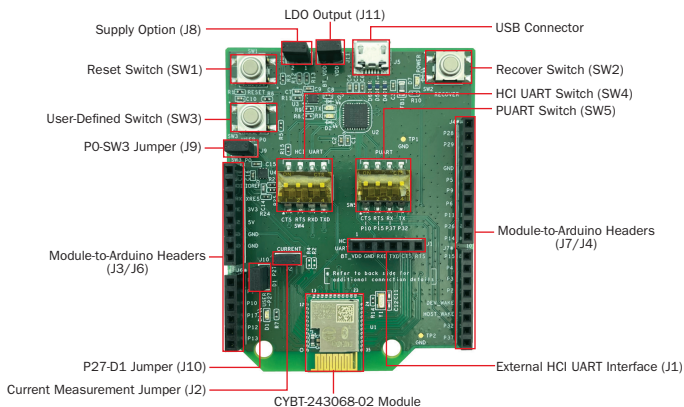


Figure 1: CYBT-243068-EVAL Top View

To use CYBT-243068-EVAL:

- 1) Configure the evaluation board headers/switches to the desired settings.
- 2) Connect the evaluation board to a PC via a USB cable.
- 3) Open ModusToolbox, develop your application, program, and test.

Note: Recover the CYBT-243068-EVAL board before programming.

The Arduino-compatible headers (J3, J4, J6, J7) are optional connections, which provide additional I/O connections to the module and allow other Arduino shields to be used during development.

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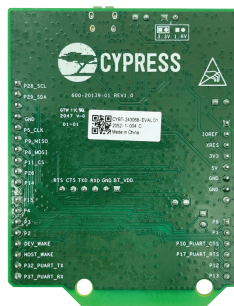


Figure 2: CYBT-243068-EVAL Bottom View

- SW1: Reset switch routed to the XRES connection on the module.
- SW2: Recover switch routed to the UART_CTS connection on the module.
- SW3: User-defined switch routed to the P0 connection on the module via J9.
- SW4: Switch connecting HCI UART connections on the module to the host via USB.
- SW5: Switch connecting PUART connections on the module to the host via USB.
- J1: Connection for an external interface for direct HCI UART communication.
- J2: Used for power supply current measurement.
- J3/J4/J6/J7: Arduino-compatible headers for use with an Arduino-compatible shield.
- J8: Configures the VDD voltage input to the module as follows:

J8 Jumper Configuration	VDD Voltage Level
Short 1 & 2	3.0 V

- J9: Connects the P0 pad on the module to SW3.
- J10: Connects the P27 pad on the module to LED D1.
- J11: Module power supply selection from LDO or external connector.

The EZ-BT CYBT-243068-02 Module supports Bluetooth SIG Mesh, is qualified for 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.