

# EZ-BLE™ PROc™ EVALUATION BOARD CYBLE-202007-EVAL



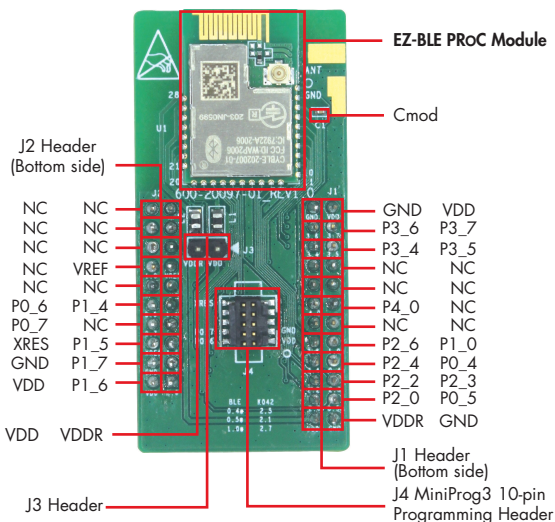
The EZ-BLE™ PROc™ Evaluation Board (CYBLE-202007-EVAL) enables you to evaluate and develop applications on the EZ-BLE PROc Module (CYBLE-202007-01). The EZ-BLE PROc Module is a fully-integrated, fully-certified, 15.0 mm x 23.0 mm x 2.05 mm, programmable, Bluetooth® Smart module designed to reduce your time-to-market.

For more information, visit:

[www.cypress.com/EZ-BLEModule](http://www.cypress.com/EZ-BLEModule) - EZ-BLE Module home pages

[www.cypress.com/EZ-BLEEval](http://www.cypress.com/EZ-BLEEval) - EZ-BLE PROc Evaluation Board kit page

[www.cypress.com/go/AN96841](http://www.cypress.com/go/AN96841) - Getting started guide



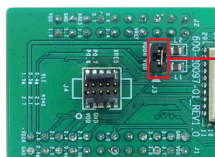
**Fig 1: CYBLE-202007-EVAL Pinout Description**

Note: To use the CYBLE-202007-EVAL board, you must separately purchase either the CY8CKIT-002 MINIPROG3 or the CY8CKIT-042-BLE PIONEER KIT.

# EZ-BLE™ PRO™ EVALUATION BOARD

1: Connect the CYBLE-202007-EVAL to the CY8CKIT-002 (MiniProg3)

Connect a jumper on the J3 header



**Fig 2: J3 Header**

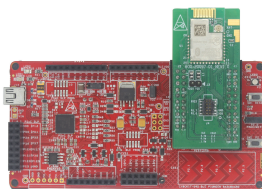
Connect the MiniProg3 to the J4 10-pin header



**Fig 3: Programming/Debugging with MiniProg3**

**OR** Plug the CYBLE-202007-EVAL on the CY8CKIT-042-BLE baseboard.

Note: Jumper on CYBLE-202007-EVAL's J3 header can be connected or disconnected.



**Fig 4: Programming and debugging with CY8CKIT-042-BLE Pioneer Kit Baseboard**

Pin Mapping between CY8CKIT-042-BLE (Base) and CYBLE-202007-EVAL (Eval)

| (Base)     | (Eval) | (Base) | (Eval) | (Base) | (Eval) | (Base) | (Eval) |
|------------|--------|--------|--------|--------|--------|--------|--------|
| GND        | GND    | PO_7   | PO_7   | P2_1   | PO_5   | P2_7   | P1_0   |
| VDDD, VDDA | VDD    | P1_4   | P1_4   | P2_2   | P2_2   | P3_4   | P3_4   |
| VDDR       | VDDR   | P1_5   | P1_5   | P2_3   | P2_3   | P3_5   | P3_5   |
| XRES       | XRES   | P1_6   | P1_6   | P2_4   | P2_4   | P3_6   | P3_6   |
| VREF       | VREF   | P1_7   | P1_7   | P2_5   | PO_4   | P3_7   | P3_7   |
| PO_6       | PO_6   | P2_0   | P2_0   | P2_6   | P2_6   | P4_0   | P4_0   |

2: Create a project using the CYBLE-202007-01 MPN and program/debug using PSoC® Creator™ 3.3 DP1

The EZ-BLE PRO Module (CYBLE-202007-01) is qualified for the Bluetooth 4.2 specification and is certified for the 2.4 GHz unlicensed frequency range in USA (FCC), Canada (IC), Europe (CE), Japan (TELEC) and Korea (KC).

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