

Please note that Cypress is an Infineon Technologies Company.

The document following this cover page is marked as "Cypress" document as this is the company that originally developed the product. Please note that Infineon will continue to offer the product to new and existing customers as part of the Infineon product portfolio.

Continuity of document content

The fact that Infineon offers the following product as part of the Infineon product portfolio does not lead to any changes to this document. Future revisions will occur when appropriate, and any changes will be set out on the document history page.

Continuity of ordering part numbers

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

www.infineon.com



EZ-BLE™ PROC™ EVALUATION BOARD CYBLE-212020-EVAL



The EZ-BLE™ PRoC™ Evaluation Board (CYBLE-212020-EVAL) enables you to evaluate and develop applications on the EZ-BLE PRoC Module (CYBLE-212020-01). The EZ-BLE PRoC Module is a fully-integrated, fully-certified, 14.5 mm x 19.2 mm x 2.0 mm, programmable, Bluetooth® Smart module designed to reduce your time-to-market.

For more information, visit:

www.cypress.com/EZ-BLEModule - EZ-BLE Module home page www.cypress.com/EZ-BLEEval - EZ-BLE PRoC Evaluation Board kit page www.cypress.com/AN96841 - Getting started guide

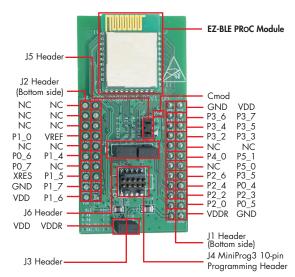


Fig 1: CYBLE-2120120 EVAL Pinout Description

Note: To use the CYBLE-212020-EVAL board, you must separately purchase either the CY8CKIT-002 MINIPROG3 or the CY8CKIT-042-BLE BLE PIONEER KIT.

EZ-BLETM PROCTM EVALUATION BOARD

1: Connect the CYBLE-212020-EVAL to the CY8CKIT-002 (MiniProg3)

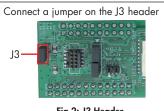


Fig 2: J3 Header



Fig 3: Programming/Debugging with MiniProg3

OR Plug the CYBLE-212020-EVAL on the CY8CKIT-042-BLE baseboard.

Note: Jumper on CYBLE-212020-EVAL's J3 header can be connected or disconnected.



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

| Pin Mapping between CY8CKIT-042-BLE (Base) and CYBLE-212020-EVAL (Eval) | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|
| (Base) | (Eval) | (Base) | (Eval) | (Base) | (Eval) | (Base) | (Eval) |
| GND | GND | P1_4 | P1_4 | P2_4 | P2_4 | P3_6 | P3_6 |
| VDDD, VDDDA | VDD | P1_5 | P1_5 | P2_5 | PO_4 | P3_7 | P3_7 |
| VDDR | VDDR | P1_6 | P1_6 | P2_6 | P2_6 | P4_0 | P4_0 |
| XRES | XRES | P1_7 | P1_7 | P2_7 | P3_5 | P5_0 | P5_0 |
| VREF | VREF | P2_0 | P2_0 | P3_2 | P3_2 | P5_1 | P5_1 |
| PO_6 | P0_6 | P2_1 | PO_5 | P3_3 | P3_3 | | |
| PO_7 | PO_7 | P2_2 | P2_2 | P3_4 | P3_4 | | |
| P1_0 | P1_0 | P2_3 | P2_3 | P3_5 | P3_5 | | |

2: Create a project using the CYBLE-212020-01MPN and program/debug using PSoC® CreatorTM 3.3 SP2

The EZ-BLE PRoC Module (CYBLE-212020-01) 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).

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



