![Chipsmall logo]

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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EZ-BLE™ PSoC® EVALUATION BOARD
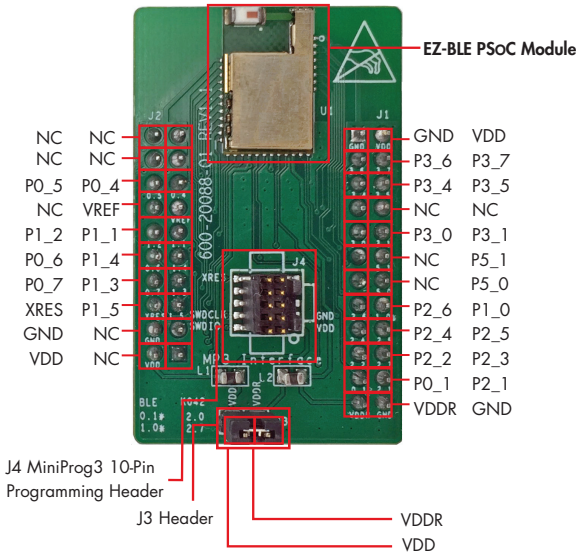
CYBLE-224116-EVAL

The EZ-BLE™ PSoC® Evaluation Board (CYBLE-224116-EVAL) enables you to evaluate and develop applications on the EZ-BLE PSoC Module (CYBLE-224116-01). The EZ-BLE PSoC Module is a fully-integrated, fully-certified, 9.5 mm x 15.4 mm x 1.8 mm, programmable, Bluetooth® Smart module designed to reduce your time-to-market.

For more information visit:

www.cypress.com/EZ-BLEModule - The EZ-BLE Module home page.
www.cypress.com/EZ-BLEEval - EZ-BLE PSoC Evaluation Kits.
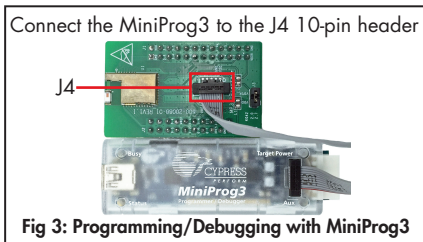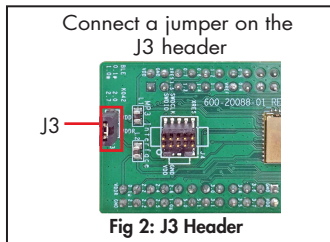www.cypress.com/go/AN96841 - The getting started guide.

Fig 1: CYBLE-224116-EVAL Pinout Description

Note: To use the CYBLE-224116-EVAL you must separately purchase either the CY8CKIT-002 MINIPROG3 or the CY8CKIT-042-BLE BLE PIONEER KIT.
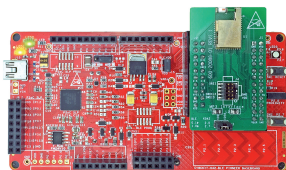
EZ-BLE™ PSoC® EVALUATION BOARD

1: Connect the CYBLE-224116-EVAL to the CY8CKIT-002 (MiniProg3)

Connect a jumper on the J3 header

J3

Fig 2: J3 Header

Connect the MiniProg3 to the J4 10-pin header

J4

Fig 3: Programming/Debugging with MiniProg3

OR

Plug the CYBLE-224116-EVAL on the CY8CKIT-042-BLE baseboard.
Note: The jumper on CYBLE-224116-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-224116-EVAL (Eval)							
(Base)	(Eval)	(Base)	(Eval)	(Base)	(Eval)	(Base)	(Eval)
GND	GND	P0_7	P0_7	P2_2	P2_2	P3_4	P3_4
VDDD, VDDA	VDD	P1_1	P1_1	P2_3	P2_3	P3_5	P3_5
VDDR	VDDR	P1_2	P1_2	P2_4	P2_4	P3_6	P3_6
XRES	XRES	P1_3	P1_3	P2_5	P2_5	P3_7	P3_7
VREF	VREF	P1_4	P1_4	P2_6	P2_6	P5_0	P5_0
P0_4	P0_4	P1_5	P1_5	P2_7	P1_0	P5_1	P5_1
P0_5	P0_5	P2_0	P0_1	P3_0	P3_0		
P0_6	P0_6	P2_1	P2_1	P3_1	P3_1		

2: Create a project using the CYBLE-224116-01 MPN and program/debug using PSoC® Creator™ 3.3 DP1.

The EZ-BLE PSoC Module 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/go/support for technical support

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