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!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

CY8CKIT-143A PSoC® 4 BLE 256KB MODULE

CY8CKIT-143A PSoC® 4 BLE 256KB Module is an easy-to-use solution for creating a complete BLE system with Bluetooth® 4.2 features. The module features a PSoC 4 BLE device (CY8C4248LQI-BL583), 24-MHz and 32.768-kHz crystals, a PCB antenna, and other passives while providing access to all GPIOs of the device.

For more information on Cypress's BLE solutions visit www.cypress.com/BLE

PSoC 4 BLE is a 48-MHz ARM® Cortex®-M0 based single-chip solution that integrates a programmable analog front end, programmable digital peripherals, CapSense® touch-sensing technology, and includes a royalty-free stack and radio compatible with Bluetooth 4.2.

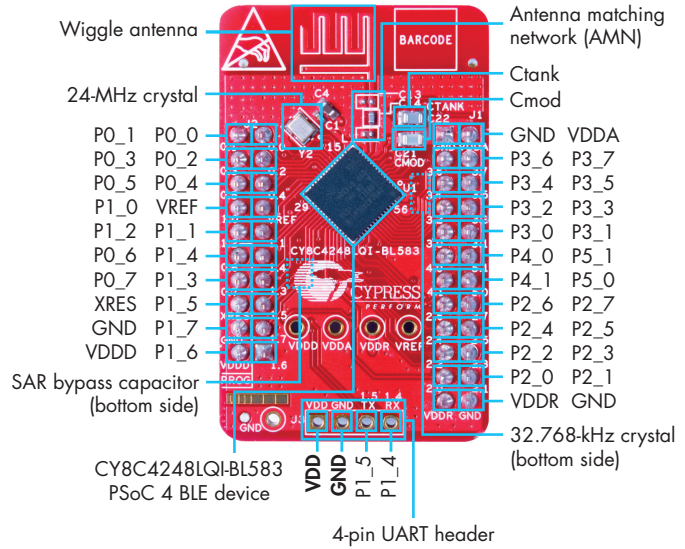

Fig-1: Pinout Description for CY8CKIT-143A

Note: To apply power to the module, apply 1.9 V - 5.0 V to any of the VDD pins (VDD, VDDD, VDDA, or VDDR) and 0 V to any GND pin

CY8CKIT-143A PSoC® 4 BLE 256KB MODULE

STANDALONE USE WITH PSoC CREATOR™ IDE AND CY8CKIT-002 MINIPROG3

Step 1: Select the 5-pin connector setting in PSoC Creator or PSoC Programmer.

Step 2: Use 0.1″ male headers (not included) or jumper wires to connect the MiniProg3 to the module.

Pin Mapping	
CY8CKIT-002	CY8CKIT-143A
VTARG	VDDD
GND	GND
RES	XRES
SCLK	P0_7
SDAT	P0_6

Fig-2: Programming and Debugging with CY8CKIT-002 MiniProg3

USING THE CY8CKIT-143A MODULE WITH CY8CKIT-042-BLE PIONEER KIT

Step 1: Plug the module on the CY8CKIT-042-BLE Pioneer Kit Baseboard.

Step 2: Create your design in PSoC Creator IDE and use the BLE Pioneer Kit to program and debug.

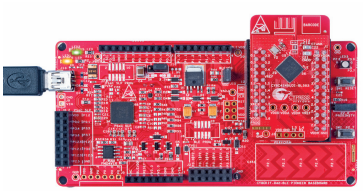

Fig-3: Programming and Debugging with CY8CKIT-042-BLE Pioneer Baseboard

The CY8CKIT-143A module is intended for development purposes only. Users are advised to test and evaluate this module in an RF development environment. This module is not a finished product and when assembled may not be resold or otherwise marketed unless all required authorizations are first obtained. Contact support@cypress.com for details.

For more information about this kit, visit www.cypress.com/CY8CKIT-143A