



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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CY5671 PRoC™ BLE MODULE

CY5671 PRoC™ BLE Module is a complete, certified solution to add BLE connectivity to any embedded system. The module features a PRoC BLE device (CYBL10563), two crystals, a PCB antenna, and other passives while providing access to all GPIOs of the device.

Visit www.cypress.com/BLE for more information on Cypress's BLE solutions.

PRoC BLE is a single-chip solution with a 48-MHz ARM® Cortex®-M0 CPU, BLE radio, CapSense® technology for touch sensing, two serial communication blocks (SCBs), a 12-bit ADC, four Timer/Counter/PWMs (TCPWMs), four additional PWMs, I2S, and LCD.

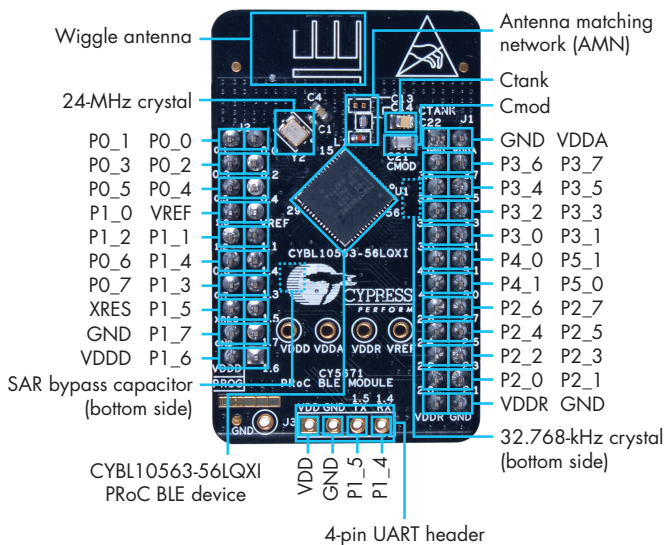


Fig-1: Pinout Description for PRoC BLE Module

Note: To apply power to the module, use the VDD pin (1.9 V - 5.0 V) and GND pin.

CY5671 PROc™ BLE MODULE

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



Pin Mapping	
CY8CKIT-002	CY8CKIT-142
VTARG	VDD
GND	GND
RES	XRES
SCLK	PO_7
SDAT	PO_6

Fig-2: Programming and Debugging with CY8CKIT-002

USING THE PROc BLE MODULE WITH THE 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.

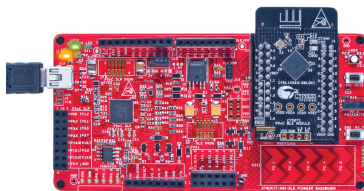


Fig-3: Programming and Debugging with CY8CKIT-042 BLE Pioneer Baseboard

CY5671 is qualified for Bluetooth 4.1 specifications. The module, along with the CY8CKIT-042 BLE Pioneer Baseboard, has regulatory approval (for development purpose only) for the 2.4-GHz unlicensed frequency range in countries including USA (FCC), Canada (IC), Europe (CE) and Japan (JRF/TELEC).

Additional regulatory certification will be required to integrate the module into an end product. Contact support@cypress.com for details.

For more information about this kit, visit www.cypress.com/CY5671

CY5671

Manufactured by Cypress Semiconductor.



005-100920

Contains Model: CY5671

FCC ID: WAP-CY5671

IC: 7922A-CY5671



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