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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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THIS SPEC IS OBSOLETE

Spec No: 001-97334

Spec Title: CY5676A PROC(TM) BLE 256KB MODULE

Replaced by: NONE

CY5676A PRoC™ BLE 256KB MODULE

CY5676A PRoC™ BLE 256KB Module is a complete solution to add BLE connectivity to any embedded system with Bluetooth® 4.2 features. The module features a PRoC BLE device (CYBL11573-56LQXI), 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

PRoC BLE is a single-chip solution with a 48-MHz ARM® Cortex®-M0 CPU, Bluetooth 4.2 radio, CapSense® technology for touch-sensing, two serial communication blocks (SCBs), a 12-bit ADC, four Timer/Counter/PWMs, four additional PWMs, I²S for digital audio, and segment LCD direct-drive capability.

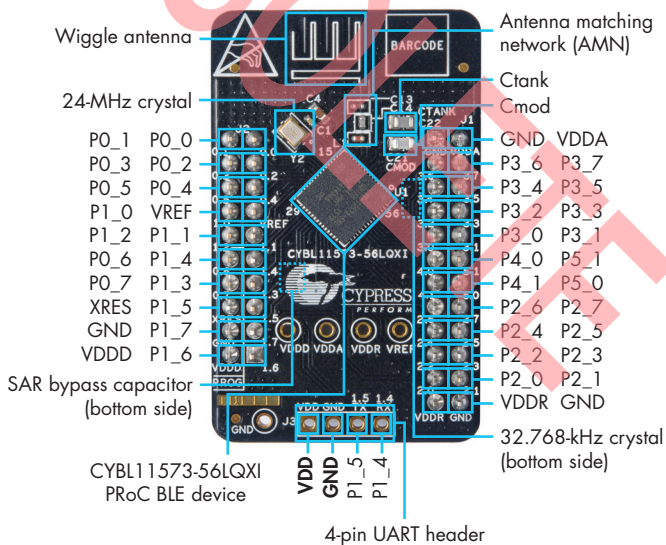


Fig-1: Pinout Description for CY5676A

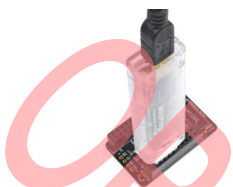
Note: To apply power to the module, apply 1.9 V - 5.0 V to any of the VDD pins (VDD, VDDD, VDDA, or VDDR) and 0 V to any GND pin

CY5676A ProC™ 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	CY5676A
VTARG	VDDD
GND	GND
RES	XRES
SCLK	PO_7
SDAT	PO_6

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

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.

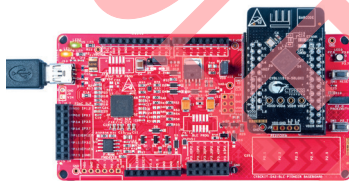


Fig-3: Programming and Debugging with CY8CKIT-042-BLE Pioneer Baseboard

The CY5676A 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/CY5676A

