

CY5676 PRoC™ BLE 256K MODULE

CY5676 PRoC™ BLE 256K Module is a complete solution to add BLE connectivity to any embedded system. The module features a PRoC BLE device (CYBL10573) with 256 KB internal flash, 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, BLE 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.

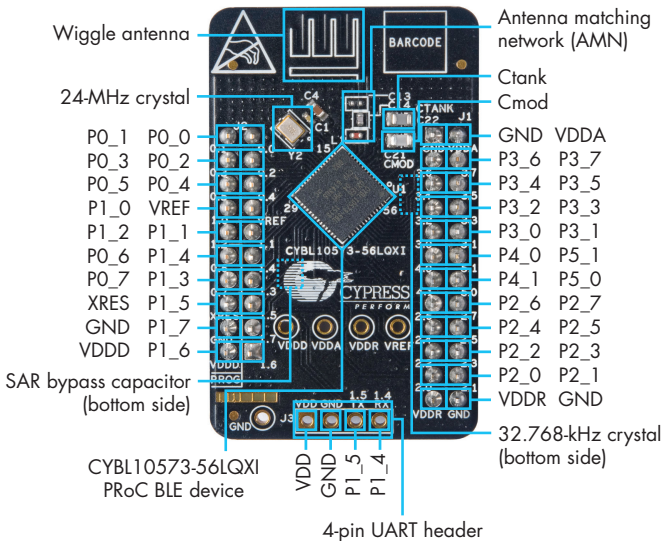


Fig-1: Pinout Description for PRoC BLE Module

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

CY5676 PROc™ BLE 256K 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	CY5676
VTARG	VDD
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.

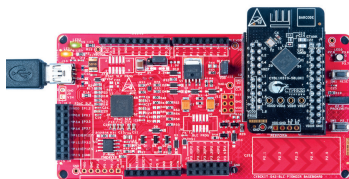


Fig-3: Programming and Debugging with CY8CKIT-042-BLE Pioneer Baseboard

The CY5676 module is intended to be used for evaluation of hardware and software in a laboratory environment. This module radiates radio frequency energy and has not been tested for compliance with limits applicable under any standard. Operation of this module may cause interference with radio communications. Cypress recommends that the module should only be used in a shielded room.

Contact support@cypress.com for details.

For more information about this kit, visit www.cypress.com/CY5676

