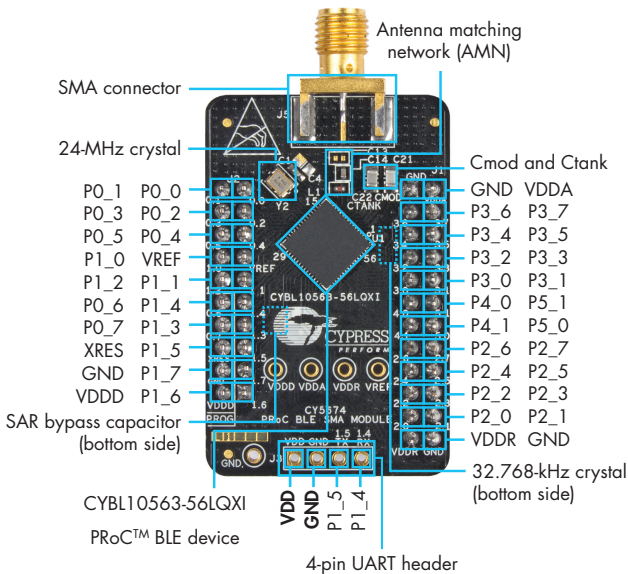


# CY5674 PRoC™ BLE SMA MODULE

CY5674 PRoC™ BLE SMA Module is a complete solution to add BLE connectivity to any embedded system. The module features a PRoC BLE device (CYBL10563), two crystals, a SMA connector, and other passives while providing access to all GPIOs of the device.

Visit [www.cypress.com/BLE](http://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, 2 Serial Communication Blocks, 12-bit ADC, 4 Timer/Counter/PWMs, 4 additional PWMs, I²S and LCD.



**Fig-1: Feature List and Pinout Description for PRoC BLE SMA Module**

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

# CY5674 PROc™ BLE SMA MODULE

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



Pin Mapping	
CY8CKIT-002	CY5674
VTARG	VDD
GND	GND
RES	XRES
SCLK	PO_7
SDAT	PO_6

Fig-2: Programming and Debugging with CY8CKIT-002

## USING THE PROc BLE SMA 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.

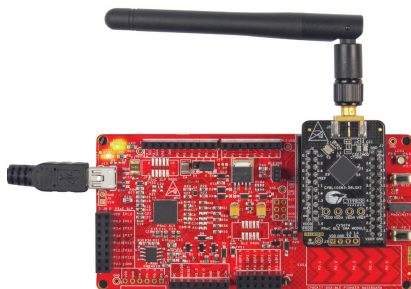


Fig-3: Programming and Debugging with CY8CKIT-042 BLE Pioneer Baseboard

Additional regulatory certification will be required to integrate the module into an end product. Contact [support@cypress.com](mailto:support@cypress.com) for details.

For more information about this kit, visit [www.cypress.com/CY5674](http://www.cypress.com/CY5674)



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