

## UART Rx Code Example

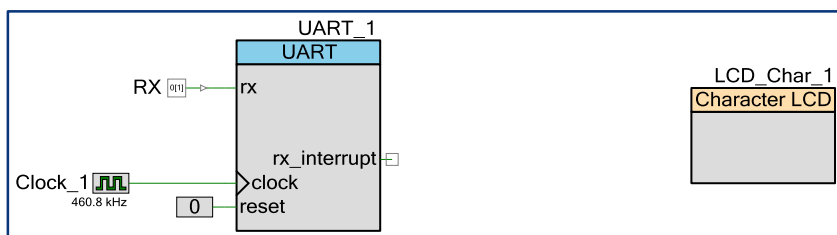
### Objective

This example demonstrates the UART reception mechanism. Data typed on the hyperterminal is sent through the serial port and displayed on the LCD.

### Procedure

1. The CY8CKIT-001 DVK board should be configured to the default switch and jumper settings. Verify that J10(RS232\_PWR) is jumpered to ON.
2. Connect the RS232 cable from the computer to the DVK.
3. Setup hyperterminal in the computer with the following settings  
 Baudrate : 57600 bits  
 Data bits : 8  
 Parity : None  
 Stop bits : 1  
 Flow control : None
4. Connect P0\_1 to RX pin (P16) on the CY8CKIT-001 kit.
5. Connect TX pin (P16) to Vdd on the CY8CKIT-001 kit.
6. Type something on the hyperterminal and watch the same characters displayed on the LCD..

### Schematic



## PSoC Resources

Cypress provides a wealth of data at [www.cypress.com](http://www.cypress.com) to help you to select the right PSoC device for your design, and quickly and effectively integrate the device into your design. For a comprehensive list of resources, see [KBA86521](#), [How to Design with PSoC 3](#), [PSoC 4](#), and [PSoC 5LP](#). The following is an abbreviated list for PSoC:

- **Overview:** [PSoC Portfolio](#), [PSoC Roadmap](#)
- **Product Selectors:** [PSoC 1](#), [PSoC 3](#), [PSoC 4](#), or [PSoC 5LP](#). In addition, [PSoC Creator](#) includes a device selection tool.
- **Datasheets:** Describe and provide electrical specifications for the PSoC 3, PSoC 4, and PSoC 5LP device families.
- **CapSense Design Guides:** Learn how to design capacitive touch-sensing applications with the PSoC 3, PSoC 4, and PSoC 5LP families of devices.
- **Application Notes** and **Code Examples:** Cover a broad range of topics, from basic to advanced level. Many of the application notes include code examples.
- **Technical Reference Manuals (TRM):** Provide detailed descriptions of the architecture and registers in each of the PSoC 3, PSoC 4, and PSoC 5LP device families.
- **PSoC Training Videos:** These videos provide step-by-step instructions on getting started building complex designs with PSoC.
- **Development Kits:**
  - [CY8CKIT-042](#) and [CY8CKIT-040](#), PSoC 4 Pioneer kits, are easy-to-use and inexpensive development platforms. These kits include connectors for Arduino™ compatible shields and Digilent® Pmod™ daughter cards.
  - [CY8CKIT-049](#) is a series of very low-cost prototyping platform for sampling PSoC 4 devices.
  - [CY8CKIT-030](#) and [CY8CKIT-050](#) are designed for analog performance. They enable you to evaluate, develop, and prototype high-precision analog, low-power, and low-voltage applications powered by PSoC 3 and PSoC 5LP, respectively.
  - [CY8CKIT-001](#) is a common development platform for all PSoC family devices.
- The [MiniProg3](#) device provides an interface for flash programming and debug.

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### PSoC® Solutions

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