EEPROM example project
1.10

Features:

- Erase and Write a row of data to EEPROM

General Description

This example project demonstrates the working of the EEPROM Erase and Write operations.

Development kit configuration

1. This project is written for a 2X16 LCD display as the one available in the Cypress kit CY8CKIT-001.
2. Build the project and program the hex file on to the target device using MiniProg3.
3. Power cycle the device.
4. Observe the results on the LCD.

Project configuration

The example project consists of the EEPROM and Character LCD Components. The EEPROM has no configurable parameters. The EEPROM Component can be configured only using API. The top design schematic is shown in Figure 1.
The Character LCD Component has its default configuration. It is used to display the data written to the EEPROM memory.

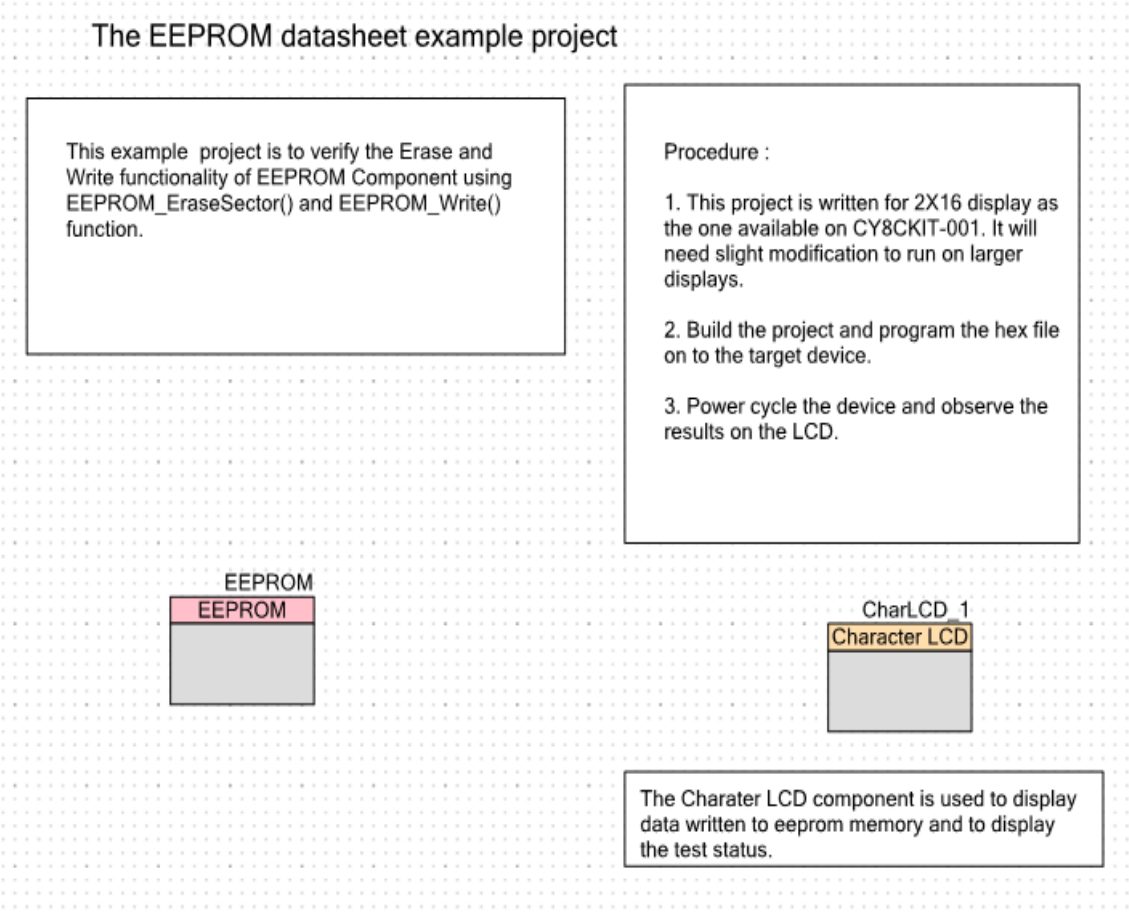

Figure 1: Top design schematic

Project description

This is an example to use the EEPROM Component with designs in PSoC Creator. The EEPROM component provides API to erase and write to the EEPROM memory. Erase a sector (64 rows) of EEPROM memory using EEPROM_EraseSector() function. Write a row (16 bytes) of data to the EEPROM using EEPROM_Write() function.To read from the EEPROM, no APIs are needed. The entire contents of the EEPROM are mapped into memory space and can be read directly

Expected results

The first row of the character LCD displays the data written to EEPROM memory. The second row displays the status of test.