

LCD Interfacing tutorial

ajay_bhargav, Mon Jun 18 2007, 03:39 pm

New tutorial is added in the tutorial section. Now you can learn interfacing of LCD with full details, This tutorial will help you programming LCD in assembly as well as C. I have given examples for programming both in C and assembly. Please post your comments regarding the tutorial. The topics covered are given below:

» Introduction to LCD

Introduction of LCD type HD44780, Pin description and general information.

» Basics of LCD

Basic information of LCD like registers, CGRAM, CGROM, DDRAM and busy flag etc.

» LCD Commands

Information on LCD commands including list of useful commands that are used frequently.

» LCD Initialization

Full information on methods to initialize LCD and programming examples in C and assembly.

» Checking Busy Flag of LCD

Steps to check busy flag of lcd and alternative methods for delay.

» Sending command & data to LCD

C and assembly examples for programming LCD and sending command and data to LCD.

» Creating custom character and patterns

Complete information on how to use CGRAM of LCD and to create user defined patterns.

Visit the tutorial section for more information