

Experiment No: 11

Title: 8051 – Interfacing of LCD with 8051

Class: T.E.

Year:

Semester: I

Roll No.:

Name:

Date of performance:

Date of Submission:

Signature:

AIM: Interfacing of LCD with 8051

S/W AND H/W TOOLS: Keil IDE, 8051 kit, Flash Magic

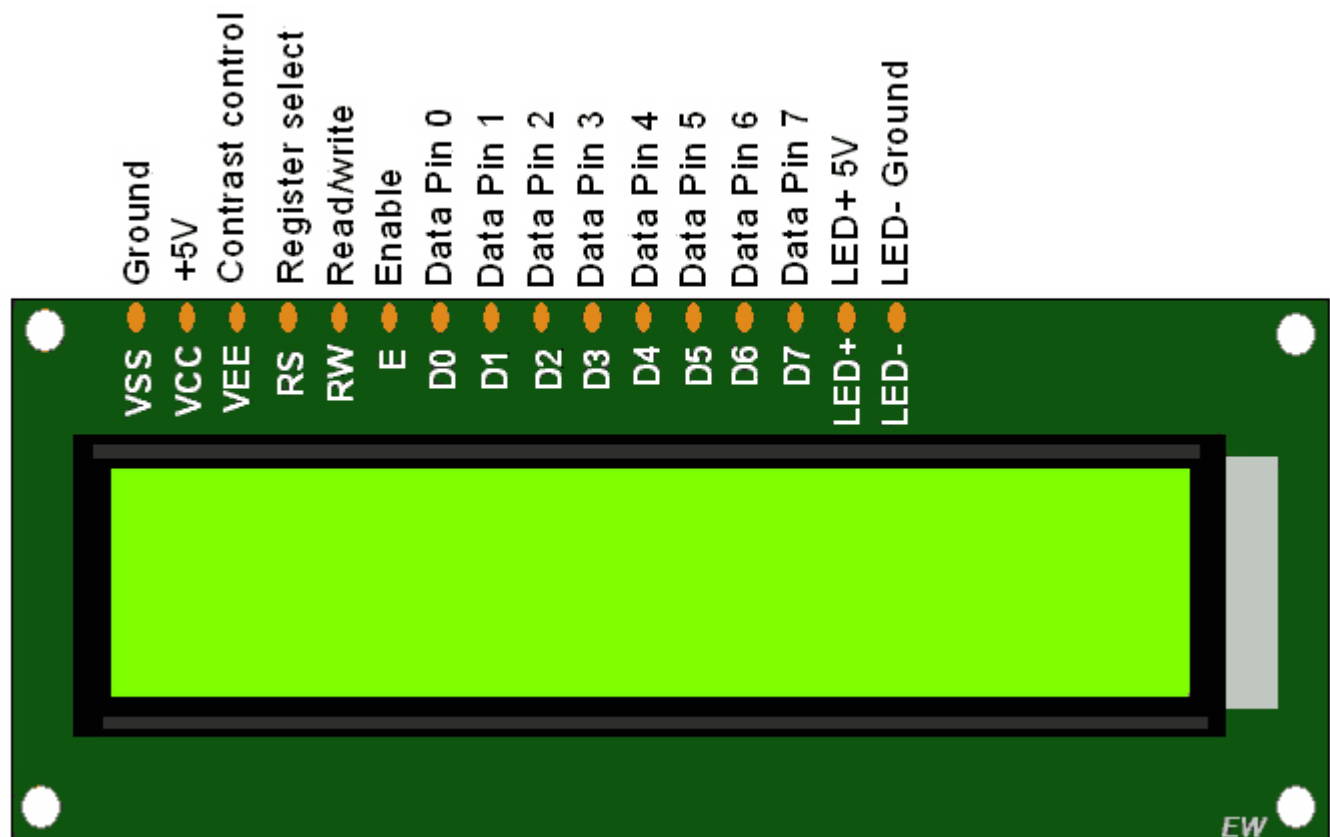
THEORY:

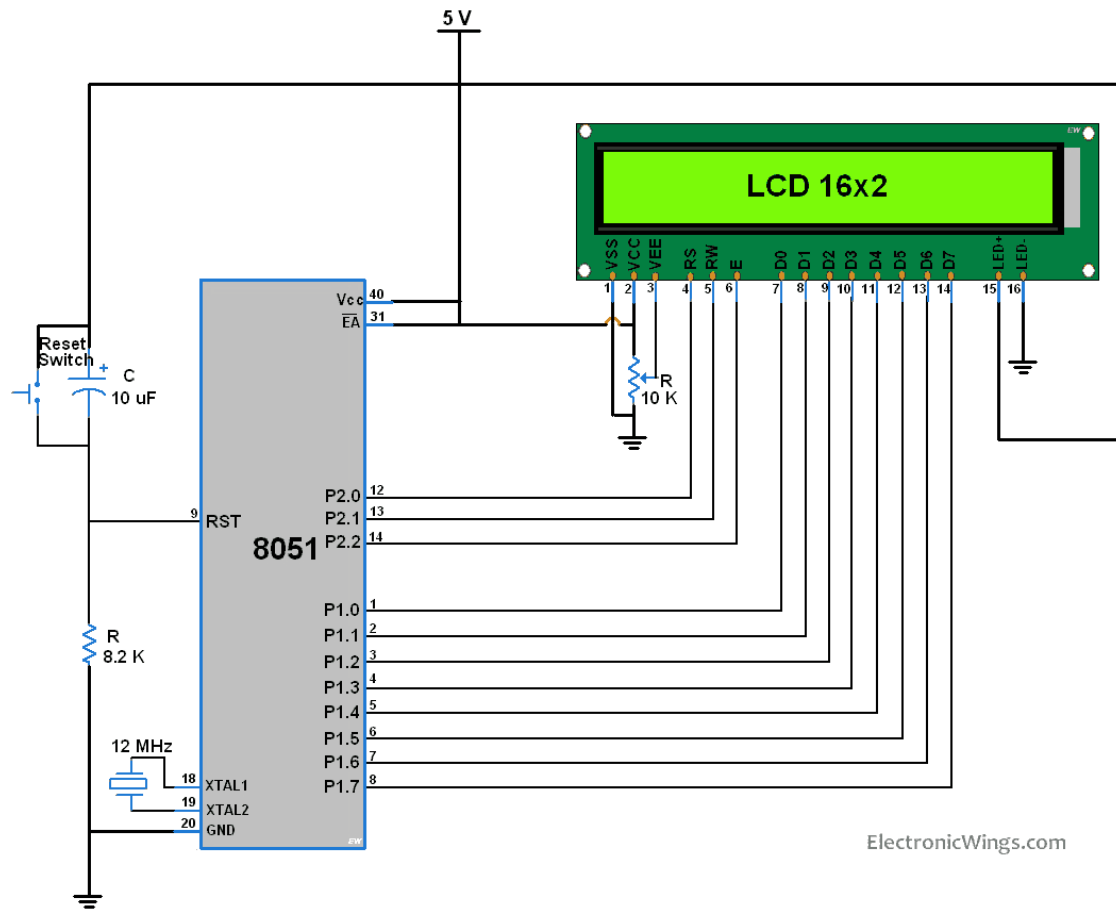
LCDs (Liquid Crystal Displays) are used for displaying status or parameters in embedded systems.

LCD 16x2 is 16 pin device which has 8 data pins (D0-D7) and 3 control pins (RS, RW, EN). The remaining 5 pins are for supply and backlight for the LCD.

The control pins help us configure the LCD in command mode or data mode. They also help configure read mode or write mode and also when to read or write.

LCD 16x2 can be used in 4-bit mode or 8-bit mode depending on the requirement of the application. In order to use it we need to send certain commands to the LCD in command mode and once the LCD is configured according to our need, we can send the required data in data mode.



INTERFACING DIAGRAM:**CONCLUSIONS:**
