

## **Inter IC Communication (I2C) Tutorial**

ajay\_bhargav, Mon Jan 26 2009, 11:20 pm

# **Inter IC Communication (I2C) Tutorial**

New tutorial added in tutorial section, It includes following topics. AVR and PIC implementation of I2C coming soon. Hope this is going to be very helpful to all of you.

### **Introduction to I2C**

Get to know about I2C, its specification and concept behind it. Learn about various conditions involved in I2C.

### **Reading and Writing on I2C**

Theory behind writing and reading on a slave device with block diagram. Introduction to various terms involved.

### **Implementing I2C on 8051**

A bit-banging implementation of I2C on 8051, with codes written in C as well as assembly.

### **Interfacing DS1307 With 8051**

A working example of I2C code on 8051 interfaced with DS1307 and LCD. Demonstration of a simplest clock.

### **I2C on PIC 16F877A**

Learn to use onchip I2C of PIC 16F877A. Includes codes in C as well as assembly. (coming soon..)

### **I2C on AVR**

Learn to use onchip I2C module of AVR. with example usage of code. (coming soon..)

Link to tutorial: [I2C / TWI Tutorial](#)

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