

Inter IC Communication (I2C) Tutorial

ajay_bhargav, Mon Jan 26 2009, 11:20 pm

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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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