i2c c master pdf

IÂ²C (Inter-Integrated Circuit), pronounced I-squared-C, is a synchronous, multi-master, multi-slave, packet switched, single-ended, serial computer bus invented in 1982 by Philips Semiconductor (now NXP Semiconductors).It is widely used for attaching lower-speed peripheral ICs to processors and microcontrollers in short-distance, intra-board communication.

IÂ²C - Wikipedia

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UM10204 I2C-bus specification and user manual

This looks like it'll be quite useful - though a write function that doesn't take a registerAddress might be nice. Some homebrew I2C devices don't seem to use a register address for writes (which confuses me), and other I2C devices (like the 24LC256 EEPROM) use multi-byte addresses.

Arduino I2C Master Library - dsscircuits.com

www.ti.com Use From C 2 Use From C The file TI_USCI_I2C_master.c or TI_USCI_I2C_master_dma.c must be added to the project. The first file supports I2C communication using only the USCI module, while the second file supports I2C communication using USCI and DMA module.

Using the USCI I C Master - TI.com

GPIO, SPI and I2C from Userspace, the True Linux Way Baruch Siach baruch@tkos.co.il Tk Open Systems June 27, 2011 This work is released under the Creative Commons BY-SA version 3.0 or later.

Baruch Siach baruch@tkos.co - Haifux - Haifa Linux Club

TCA9548A Slaves A 0, A1...AN Slaves B 0, B1...BN Slaves H 0, H 1...HN I2C or SMBus Master (processor) SDA SCL SD0 SC0 Channel 0 Channel 1 Channel 7 RESET SD1 SC1 SD7 SC7 VCC A1 A2 GND A0 Slaves C 0, C 1...CN Channel 2

TCA9548A Low-Voltage 8-Channel I2C Switch with Reset

The I2C bus is a simple, two-wire connection that can link multiple devices together and allow them to exchange data. In its simplest form there is one master device that communicates to multiple slave devices.

I2C Bus for ATtiny and ATmega - Instructables.com

Maybe sometimes we want to share the workload of one Arduino with another. Or maybe we want more digital or analog pins. Inter-Integrated Circuit or I2C (pronounced I squared C) is the best solution.. I2C is an interesting protocol.

I2C Between Arduinos: 5 Steps (with Pictures)

AN50987 discusses the i2c protocol, and how the psoc 1 device handles i2c communications.

AN50987 - Getting Started with I2C in PSoCÂ® 1

I2C or Inter-Integrated Circuit is a multimaster serial single ended bus.This protocol is commonly used with RTC modules, temperature sensors, EEPROMs, IO expanders and more. I2C protocol uses 2 wires: SCL: Serial Clock, clock for serial synchronization

Library 09- I2C for STM32F4 - STM32F4 Discovery

Serial buses information page. General information. This page concentrates on links to inter-IC serial buses. When this page talks about 2-wire or 3-wire interfaces, this wire number is the number of control lines.

ePanorama.net - Links

With Raspberry Pi and I2C communication, we can connect the Pi with single or multiple Arduino boards. The Raspberry Pi has only 8 GPIOâ€™s, so it would be really useful to have additional Inputs and outputs by combining the Raspberry Pi and Arduino.

Raspberry Pi and Arduino Connected Using I2C - Oscar Liang

This page contains examples specific to the Multi-Protocol Synchronous Serial Engine (MPSSE) of the FT2232D, FT2232H, FT4232H and FT232H devices. LibMPSSE-I2C (Recommended) FTDI have produced a newly updated library to handle all the MPSSE commands necessary to interface to a device using the I2C protocol.

MPSSE Projects - FTDI

Microcontroller PIC Projects are categorized on the basis of microcontroller applications. Microchip pic microcontrollers belongs to modern family of MCUs and is being used widely in our daily life seem-less manners, e.g. in our multimedia devices, tele-phones, microwave ovens, medical and health ...

Project List | PIC Microcontroller

1997 Microchip Technology Inc. DS31015A page 15-1 M SSP 15 Section 15. Synchronous Serial Port (SSP) HIGHLIGHTS This section of the manual contains the following major topics:

Section 15. Synchronous Serial Port (SSP)

prototyping starts here, but weâ€™re in danger when projects finish with this sort of wiring. If youâ€™re reading these pages, odds are good that youâ€™ve worked with IÂ²C devices before. You ...

Taking the Leap Off Board: An Introduction to I2C Over

IÂ²C â€“ szeregowa, dwukierunkowa magistrala sÅ‚uÅ¼Ä…ca do przesyÅ‚ania danych w urzÄ…dzeniach elektronicznych. ZostaÅ‚a opracowana przez przedsiÄ™biorstwo Philips na poczÄ…tku lat 80.Znana rÃ³wnieÅ¼ pod akronimem IIC, ktÃ³rego angielskie rozwiniÄ™cie Inter-Integrated Circuit oznacza â€žpoÅ›rednik pomiÄ™dzy ukÅ‚adami scalonymiâ€•.

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