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The 18f2550 USB connection Author

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Message

luisgerman

Super Member



The 18f2550 USB connection Saturday, January 06, 2007 6:28 AM
([permalink](#))

SENDING A BYTE TO PORTB (via a VB 6.0 app.)

0

<Assembler>

LEDS on PORTB via 330 ohms resistor

The 18f2550 USB conecction

Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA
Status: offline

This work is based on the Assembler version of Jan Axelson's genhid firmware for PIC18F4455 based on the Lab 2 firmware (Olin College) and macros created by Bradley A. Minch 9/2004 to facilitate reasonably structured programming in PIC assembler. These macros were inspired and informed both by Karl Lunt's PIC macros, described in an atricle in the July 1999 Nuts & Volts magazine, and by Myke Predko's structured programming macros, which are described on pp. 542-546 of the second edition of Programming and Customizing PICmicro Microcontrollers. These macros provide facilities for for-next loops, repeat-until loops, select satatements, and if statements.

bmich (Brad Minch login in this forum) started an excellent thread: <http://forum.microchip.com/tm.aspx?m=89669&mpage=1&key=> where he stated "At any rate, the firmware is available if anyone is interested in it"

Thanks to his work (Brad Minch's), many people (including me) have used it in order to develop different applications with USB PICs.

The (very simple) visual basic app. is based on mecanique's EasyHID USBWizard found at:

<http://www.mecanique.co.uk/products/usb/easyhid.html>

As stated in their site "EasyHID Wizard is completely free"

However the VB6.0 app. included only needs the mcHID.dll in order to be able to run the app.

I'm uploading a zip file with the necessary tools for the 18F2550 device (20MHz xtal, full speed, basic schematic>), in order to be later studied and modified.

The simple VB 6.0 program provides a way to send a number (0 to 255) to the device, and it is returned to the HOST (through the PIC's firmware) which in course it is shown on a list box.

The documents (The 18f2550 USB connection # xx) will be regularly posted with future task to be achieved.

Attachment(s)

 [tosendbackup.zip \(190.37 KB\) - downloaded 1705 times](#)

Luis German

#1 

luisgerman 

Super Member



 RE: The 18f2550 USB connection Saturday, January 06, 2007 6:30 AM (permalink)

The 18f2550 USB connection 000

0

Attachment(s)

 [THE18F255..NNECTION.doc \(178.00 KB\) - downloaded 1326 times](#)

Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA
Status: offline

Luis German

#2 

luisgerman 

Super Member



 RE: The 18f2550 USB connection Saturday, January 06, 2007 6:31 AM
([permalink](#))

The 18f2550 USB connection 001

0

Attachment(s)

 [THE18F255..NNECTION1.doc \(50.50 KB\) - downloaded 970 times](#)

Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA
Status: offline

Luis German

#3 

luisgerman 

Super Member



 RE: The 18f2550 USB connection Saturday, January 06, 2007 6:32 AM
([permalink](#))

The 18f2550 USB connection 002

0

Attachment(s)

 [THE18F255..NNECTION2.doc \(169.50 KB\) - downloaded 678 times](#)

Total Posts : 656
Reward points : 0
Joined: 4/13/2006

Location: Chía-COLOMBIA
Status: **offline**

Luis German

#4 

luisgerman 

Super Member



Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA
Status: **offline**

 RE: The 18f2550 USB connection Saturday, January 06, 2007 6:33 AM
([permalink](#))

The 18f2550 USB connection 003

0

Attachment(s)

 [THE18F255..NECTION3.doc \(124.50 KB\) - downloaded 595 times](#)

Luis German

#5 

luisgerman 

Super Member



Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA
Status: **offline**

 RE: The 18f2550 USB connection Saturday, January 06, 2007 6:34 AM
([permalink](#))

The 18f2550 USB connection 004

0

Attachment(s)

 [THE18F255..NECTION4.doc \(175.50 KB\) - downloaded 568 times](#)

Luis German

#6 

luisgerman 

Super Member



 RE: The 18f2550 USB connection Saturday, January 06, 2007 6:35 AM
([permalink](#))

The 18f2550 USB connection 005

0



Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA
Status: offline

luisgerman

Super Member



Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA
Status: offline

luisgerman

Super Member



Total Posts : 656
Reward points : 0
Joined: 4/13/2006

Attachment(s)

THE18F255..NECTION5.doc (100.50 KB) - downloaded 497 times

Luis German

#7

RE: The 18f2550 USB connection Saturday, January 06, 2007 6:37 AM (permalink)

The 18f2550 USB connection 006

0

Attachment(s)

THE18F255..NECTION6.doc (198.00 KB) - downloaded 606 times

Luis German

#8

RE: The 18f2550 USB connection Sunday, January 07, 2007 8:46 AM (permalink)

The 18f2550 USB connection 007

0

SEND DATA FROM PIC TO HOST

SEND analog value read on AN0 (A/D converter) to HOST

Attachment(s)

ENVIO.zip (124.66 KB) - downloaded 890 times

Location: Chía-COLOMBIA
Status: offline

Luis German

#9 ↑

luisgerman 

Super Member



Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA
Status: offline

 RE: The 18f2550 USB connection Monday, January 08, 2007 3:33 PM
([permalink](#))

The 18f2550 USB connection 008

0

This new task requires some changes in the V.B 6.0 app.; the V.B 6.0 application is included. The task involves **reading continuously AN0 (A/D input), and depending on a setpoint to be fixed, to send back (from HOST to PIC) a determined value (0x0F) to PORTB, when the input matches the setpoint.**

<MESSAGE EDITED BY LUISGERMAN ON MONDAY, JANUARY 08, 2007 4:39 PM>

Attachment(s)

 [tosendbackup.zip \(138.95 KB\) - downloaded 644 times](#)

Luis German

#10 ↑

luisgerman 

Super Member



Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA

 RE: The 18f2550 USB connection Tuesday, January 09, 2007 2:41 AM
([permalink](#))

I forgot to upload the **source code for V.B. 6.0 app.** so that **people who really know V.B, can modify it (My V.B. knowledge is limited, and I´m sure these very simple apps. can certainly be improved).**

0

As I stated in post#1 The (very simple) visual basic app. is based on mecanique´s EasyHID USBWizard found at:
<http://www.mecanique.co.uk/products/usb/easyhid.html>

Status: **offline**

As stated in their site "EasyHID Wizard is completely free"
The VB6.0 app. included only needs the mCHID.dll in order to be able to run the app.

Attachment(s)

 [tosendbackupVB.zip \(182.34 KB\) - downloaded 731 times](#)

Luis German

#11 

luisgerman 

Super Member



Total Posts : 656

Reward points : 0

Joined: 4/13/2006

Location: Chía-COLOMBIA

Status: **offline**

 RE: The 18f2550 USB connection Tuesday, January 16, 2007 3:06 PM
([permalink](#))

The 18f2550 USB connection 009

0

**Sending data from a table (PIC) to HOST
(Introduction; bInterval and program behavior)**

Two V.B 6.0 apps. included to be used instead of former one.

Attachment(s)

 [ENVIO1.zip \(183.00 KB\) - downloaded 650 times](#)

Luis German

#12 

luisgerman 

Super Member



 RE: The 18f2550 USB connection Wednesday, January 17, 2007 7:53 PM
([permalink](#))

The 18f2550 USB connection 010

0

Send table data to HOST, or A/D value read on



ANO.

New V.B. app. included.

Attachment(s)

[tabla.zip \(167.26 KB\) - downloaded 545 times](#)

Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA
Status: offline

Luis German

#13

luisgerman

Super Member



RE: The 18f2550 USB connection Thursday, January 18, 2007 5:22 PM
([permalink](#))

The 18f2550 USB connection 011

0

PWM CONTROL (DUTY CYCLE) FROM HOST

(Send table data to HOST, or A/D value read on AN0.)

7Vdc, flashlight bulb DIMMER



Total Posts : 656
Reward points : 0
Joined: 4/13/2006
Location: Chía-COLOMBIA
Status: offline

New V.B. app. included.

<MESSAGE EDITED BY LUISGERMAN ON
THURSDAY, JANUARY 18, 2007 11:22 PM>

Attachment(s)

[PWM.zip \(134.20 KB\) - downloaded 852 times](#)

Luis German

#14

johnger

New Member



RE: The 18f2550 USB connection Wednesday, October 31, 2007 5:22 PM
([permalink](#))



☹ No can to download the files , please get my e-mail johnger@tutopia.com

0

Total Posts : 3
Reward points : 0
Joined: 5/14/2005
Status: offline

#15 ↑

binu.kr

New Member



RE: The 18f2550 USB connection Thursday, September 18, 2008 1:52 AM (permalink)

hello can u please help me to get easy hid usb wizard.becoz i cant find it in this site

0

<http://www.mecanique.co.uk/products/usb/easyhid.html>

can u please send me the setup file ..its urgent pls help me if u can

regards

binu kr

Total Posts : 6
Reward points : 0
Joined: 7/17/2008
Location: 0
Status: offline

#16 ↑

binu.kr

New Member



RE: The 18f2550 USB connection Thursday, September 18, 2008 1:54 AM (permalink)

this is my mail id kr.binu.kr@gmail.com...pls send me the setup of easy hid usb wizard

0

Total Posts : 6
Reward points : 0
Joined: 7/17/2008
Location: 0

Status: **offline**#17 **xiaofan** 

Super Member



Total Posts : 6244

Reward points : 0

Joined: 4/14/2005

Location: Singapore

Status: **offline** RE: The 18f2550 USB connection Thursday, September 18, 2008 2:03 AM ([permalink](#))

ORIGINAL: binu.kr
 hello can u please help me to get easy hid usb wizard.becoz i cant find it in this site
<http://www.mecanique.co.uk/products/usb/easyhid.html>
 can u please send me the setup file ..its urgent pls help me if u can

0

I understand that it is really really urgent. <http://www.mecanique.co.uk/code-studio/>

MicroCode Studio now includes EasyHID Wizard, a free code generation tool that enables a user to quickly implement bi-directional communication between an embedded PIC™ microcontroller and a PC.

MicroCode Studio is **completely free** for non-commercial use. It is not time limited in any way and it does not have any nag screens. However, you can only use [one ICD model](#) with MicroCode Studio (please note, if you are using the PICBasic PRO demo version, you will not be able to use the ICD).

I have never used it though so I am not so sure what does this means.

[USB Links | libusb-win32](#)#18 **eagle** 

New Member

 RE: The 18f2550 USB connection Tuesday, March 31, 2009 10:57 PM ([permalink](#))

I have downloaded all the files and try to compile the project in MPAsm.

0



I get loads of errors, first on tge _Config statement, MPAsm tells me it should be config.... for the 18F series. And loads of errors on the ENGR2210.inc file.

I assume these projects have been tested so can anybody please xplain how I get this errors and can get rid of them?

Total Posts : 2
Reward points : 0
Joined: 3/31/2009
Location: 0
Status: offline

#19

eagle

New Member



RE: The 18f2550 USB connection Thursday, April 02, 2009 3:12 AM
([permalink](#))

I have setup the project for gpasm in MPasm.
Still get lots of errors.

0

Can anybody please help me with the correct settings, so I am able to get this thing assembled?

Total Posts : 2
Reward points : 0
Joined: 3/31/2009
Location: 0
Status: offline

#20

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---- USB

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|  | Locked w/ New Messages posts |  | Submit Vote |
|  | Locked w/o New Messages |  | Post reward post |
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