

# EXAMPLE VISUAL BASIC PROGRAM USING THE EV2300 INTERFACE BOARD

## INTRODUCTION

This procedure defines how to install and run the Visual Basic 6.0 example project developed to enable interaction on the EV2300 SMBus via a USB port.

It is recommended that this only be used with computers running Windows 2000™ or WindowsXP™.

## 1) INITIAL SETUP

Steps 1) and 2) may be skipped if the drivers have already been installed with other software such as bq2083EVM and the EV2300 is known to be operating correctly.

- A) Copy the "USB Drivers.zip" file to a temporary location on your hard disk
- B) Extract the contents of the zip file
- C) Plug in the USB cable to the computer
- D) Connect the USB cable to the EV2300
- E) Follow these installation instructions:

## 2) DRIVERS

The drivers for Windows 2000 are provided.

- A) Plug in the USB device
- B) Windows will try to detect a driver and will finally present a dialog box asking for Driver location. Specify the subdirectory as follows

Windows 2000: InstallationDirectory\USB Drivers\Win2K\USB1\

- C) Click "Next"
- D) On reboot windows will present a dialog similar to the previous dialog. Now specify the subdirectory as follows

Windows 2000: InstallationDirectory\USB Drivers\Win2K\USB2\

- E) Reboot Windows
- F) Unless any error messages were displayed the driver has been installed.

## 3) HELP FILE

Install the "bq80xRW help.zip" VB help file by copying it to a suitable directory on your hard drive

## 4) OBJECT AND DLL FILES

- A) Create a folder called "Texas Instruments" in the "c:\Program Files\" folder
- B) Copy the VB object file (bq80xRW.ocx) and the DLL into this folder
- C) Register the object [Note: this step is only required if the EV2300 has never been used before]
  - a. Open a DOS window
  - b. Type "regsvr32 " <--- don't forget the space
  - c. Drag the object file onto the DOS window (the one you copied into the "c:\Program Files\Texas Instruments" folder)
  - d. Hit the <Enter> key

## 5) EXAMPLE PROJECT

- A) Copy the "EV2300 VB Example.zip" VB example project to a suitable directory on your harddrive
- B) Open the project
- C) Connect the EV2300 to a target (make sure the target is powered)
- D) Plug the USB cable into the EV2300
- E) Run the example program