

BOLT-18F2550-TEST-PROGRAM-FOR-THE USB-PORT

This project was developed by the people stated in the document “USB-FORUM.pdf”.

Some changes were made to the source assembler program and to the linker script for compatibility with *Bolt 18F2550* hardware and bootloader firmware.

The Windows application was developed in VB 6.0.

Instructions:

1. Connect Bolt 18F2550 system to PC using the USB cable.
2. Load *genhid.hex* file from PC to Bolt 18F2550 system using software Bolt v.1.0.1 and execute. (moving jumper JP2.)
3. Execute *18F2550USBconnection.exe* file from your PC.
4. The program opens a window. Program is plug and play, that is, recognizes the Bolt board automatically.
5. Type any number (0...255) in white window.
6. Click button “SEND DATA”.
7. The number is sent via the USB port and the 18F2550 system responds with same text (ECHO). Both numbers are shown in the SENT DATA and RECEIVED DATA windows
8. The number is written in binary form in the leds of PORTB of Bolt 18F2550 system.