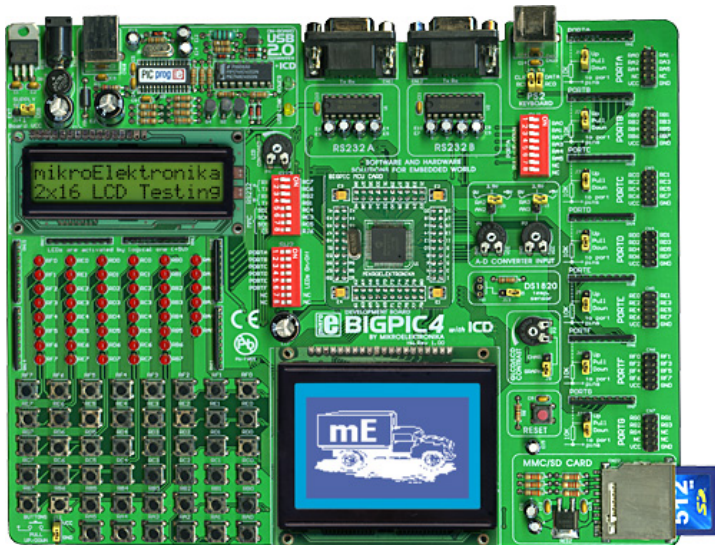


BIGPIC4

with hardware
In-Circuit Debugger

Following tradition of its predecessor BIGPIC3 as best 80-pin PIC development system on market, **BIGPIC4** continues tradition with more new features for same **price**. System supports the latest 80-pin PIC microcontrollers (it is delivered with PIC18F8520 working at 10MHz). Many ready made examples guarantee successful use of the system. BIGPIC4 is easy to use Microchip PIC development system. BIGPIC4 has many features that make your development easy. Ultra fast **mikroICD** (In-circuit Debugger) enables very efficient debugging and faster prototype developing. There are also examples for **C**, **BASIC** and **Pascal** compilers.



WHAT'S ON BOARD



46 buttons for purposes of program development.



All pin from the bottom of the board are also **clearly marked**.



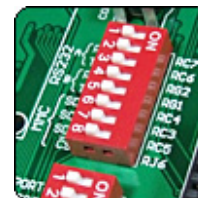
Digital thermometer DS1820 for measuring temperature from -55°C to 125°C.



USB connector for In-System programming with PIC FLASH programmer.



46 diodes for displaying microcontroller pin states simultaneously.



System can be easily **configured** via clearly marked dip switches.



All pins are connected to ICD connectors for further connecting.



Dip switch on port A for separating the analog lines.



All ports can be set to **PULL UP** or **PULL DOWN** resistors via jumpers.



Power supply is flexible 9-15 V (AC or DC). Also you can chose external or USB power supply.



Double RS-232 communication with PC or another microcontroller.



Buttons can be connected to VCC or GND via jumpers.



Two potentiometers for **simulation of analog inputs**.



Microcontroller board can be **replaced**. Hi quality contact provide good connection with peripherals.



Potentiometer for **LCD and GLCD contrast**.



GLCD - Graphic display 128x64



PS2 connector makes possible direct connection between **BIGPIC4** and **PC keyboard**.



LCD 2x16 in **8-bit mode**.



MMC\SD card slot - For MMC\SD memory cards.

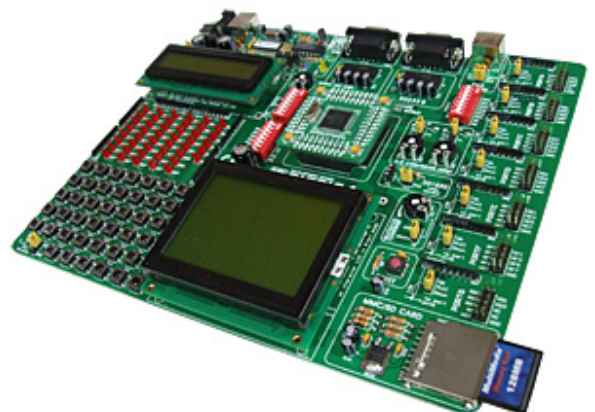


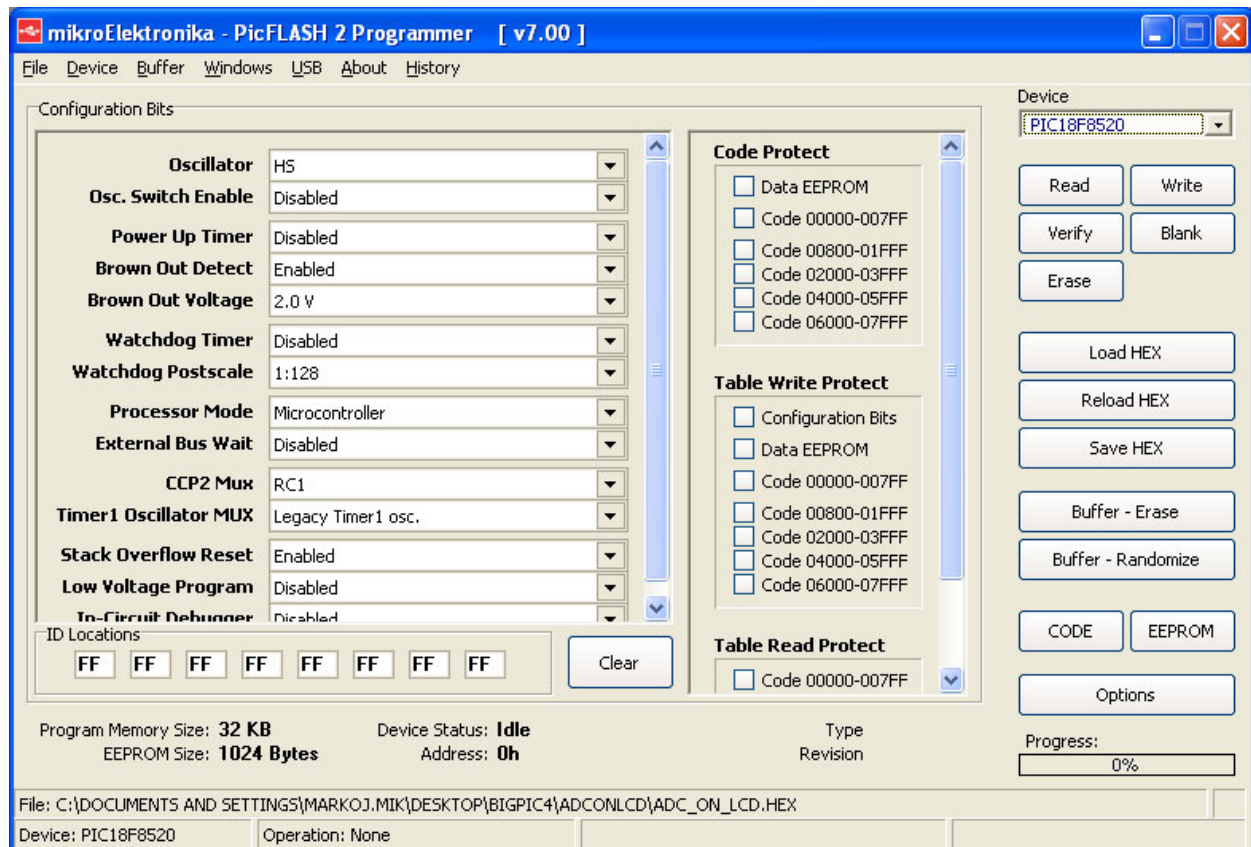
Standard 2x16 LCD - 2x16 Character LCD Display in 4-bit mode.



Reset circuit

BIGPIC4 development system is a full-featured development board for the Microchip 80-pin PIC microcontrollers. As successor of BIGPIC3 board, **BIGPIC4** has all benefits and it is fully optimized for fast prototype development. It allows the PIC microcontroller to be interfaced with external circuits to a broad range of the peripheral devices, allowing the user to concentrate just on the software. Figure on the left illustrates the first contact with the development system. On a silkscreen there are marks beside every component. These marks describe connection to microcontroller, operation modes, and some other useful notes. As a result, need for additional schematics is minimized, because all information are already on the board.





3 in 1 Development Tool - Development Board + USB 2.0 on-board programmer - PICFlash2 + mikro ICD on-board: mikro ICD is highly effective tool for **Real-Time debugging** on hardware level. ICD debugger enables you to execute a mikroC/mikroPascal/mikroBasic program on a host PIC microcontroller and view variable values, Special Function Registers (SFR), memory and EEPROM as the program is running. Also there is **PICFlash USB 2.0 - Ultra Fast USB 2.0 programmer** for fast MCU programming. Continuing tradition as fastest PIC programmer on market, new PICFlash with mikroICD now supports more PIC MCU's giving developer wide choice of PIC MCU for further prototype development.