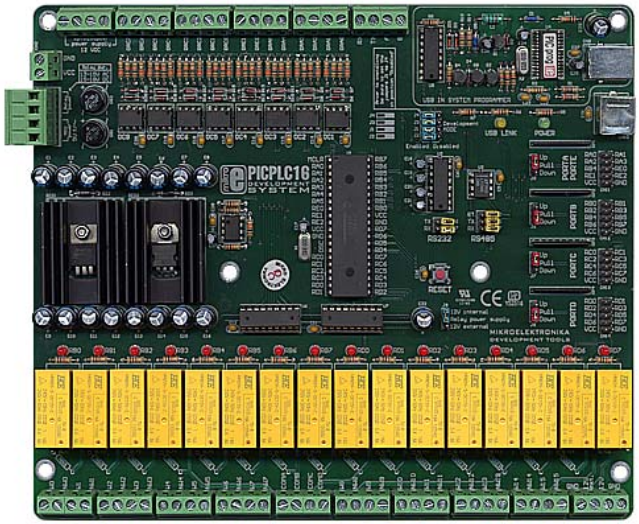
16 optocouplers input,16 relay output +RS485 and RS232 communication

PICPLC16

with on board USB programmer !



PICPLC16 is a system designed for controlling industrial systems and machines. 16 inputs with optocouplers and 16 relays (up to 10A) can satisfy many industrial needs. PICPLC16 can serve as remote control system by means of RS485 communication. Each relay has its own varistor so that the spark does not damage the contacts. When boxed, the system may be used in moist and dusty environment.

Jumpers for enabling and disabling **USB programmer** on board.

RS-485 communication for connecting multiple devices into a network.

RS-232 communication for connecting to PC or another device.

Screw terminal for easier connection with the external peripherals.

Two part power supply **screw terminal**.

Every port can be set to **pull-up** or **pull-down** resistors.

Selectable relay **power supply**.

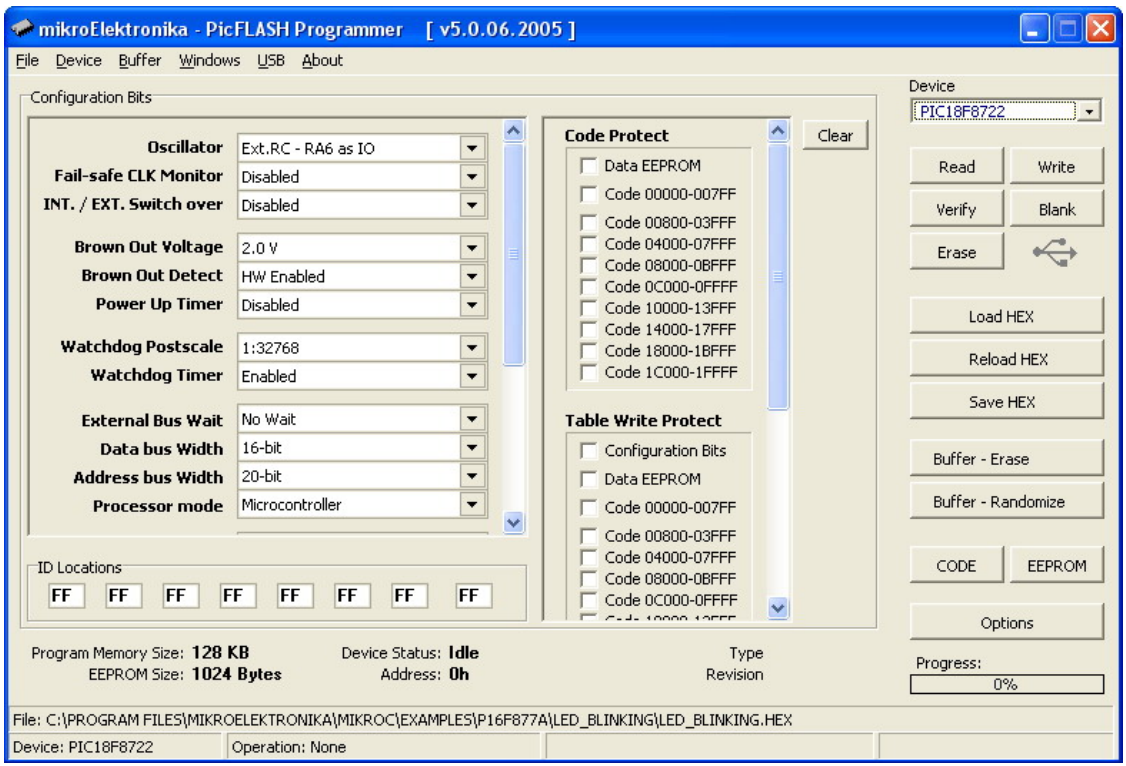
16 input lines with optocouplers (fast HP2630 optocouplers with Smith trigger).

PIC18F452 is the microcontroller powering the PICPLC16. 32KB of memory, 40 pins, ADC...

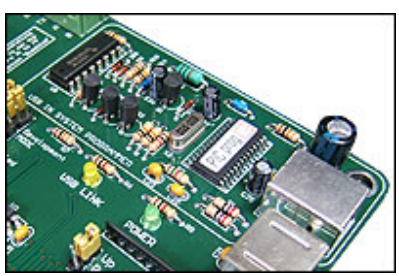
Each Relay have LED for optical signalization.

All pins are marked from both sides of the board.

PS/2 connector for PC keyboard.



USB on-board programmer - PIC Flash: You will get the USB programmer which doesn't use boot loader or any similar way of programming. The whole PIC memory and all pins are available to you. If you do use boot loader, you have to leave some RAM memory for this propose, and it is generally not a such good idea if you program in Pascal, C, or Basic. Also if you use low-level programming (5 VDC instead 12.5 VDC), note that you lose RB6 pin. PIC Flash have voltage pump and generate 12.5 VDC so you have all pins for your project. Aside from that, you will have state-of-the-art fast USB PIC In-System programmer for your future projects.



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