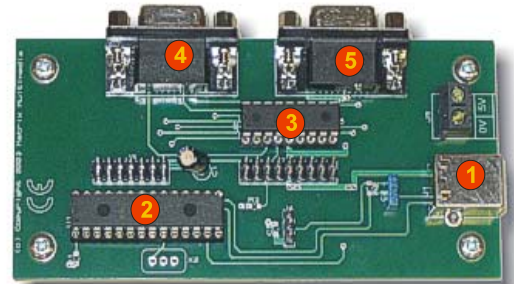# E-blocks™ Lite programmer
An ultra-low cost PICmicro® MCU programmer
EB010

- Ultra low cost USB PICmicro programmer
- Programming utility provided
- Ports A and B available
- Used as a programmer and as a development board
- No power supply required

This new budget PICmicro microcontroller programmer connects to your PC via USB and allows you to program a range of two port PICmicro devices. The Lite programmer is supplied with a PIC16F88. This incredible device is one of the lowest cost PICmicro MCU devices and yet it has a combination of internal peripherals and features that also makes it one of the most powerful in the PIC16xxx series. Flexible PICmicro MCU programming software – PPP – is provided and this product also links seamlessly into Assembly, C or Flowcode programming utilities available from Matrix Multimedia.

This board has two uses: it is used where a second PICmicro communications device within a system is needed, and it is of such low cost that it can be designed into projects and left there – or can be used for students to work on at home. This product is fully E-blocks ™ compatible and can be powered from the USB port.

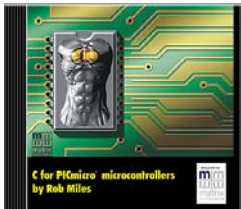This board is part of the E-blocks ™ family of products:

1	USB socket
2	Host controller
3	PIC16Fxx target device
4	Pots A
5	Port B
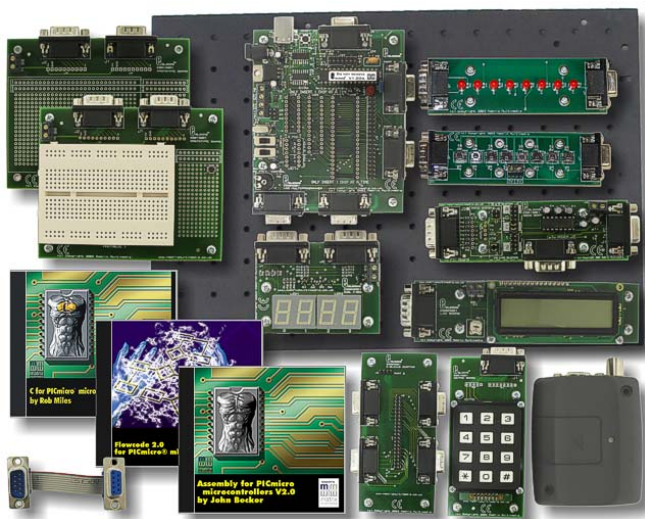
This product includes:
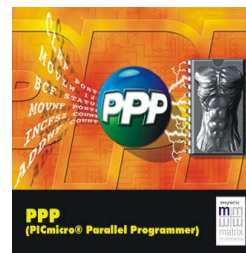
PPP programming utility   Sampler CD ROM

PPP programming utility

C for PICmicro
microcontrollers V3.0

Flowcode for PICmicro
microcontrollers V2.0

Assembly for PICmicro
microcontrollers V2.0

PPP is a highly functional utility for managing the HEX code that is sent into your PICmicro microcontroller. ASCII-encoded and HEX files generated by MPASM can be sent to a device using PPP. PPP uses a simple user interface which is explained in the accompanying help file. PPP is supplied free with the development board.
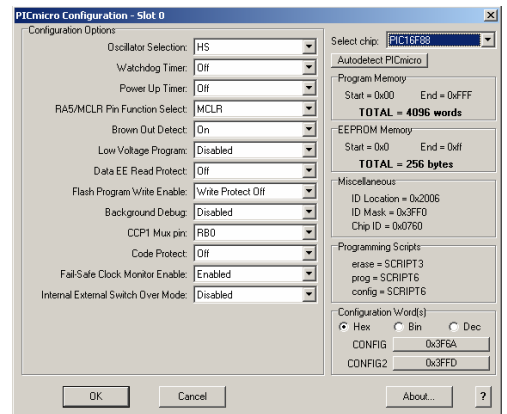
Minimum requirements

Pentium 100MHz, Parallel port or USB port, 2 Megabytes of hard drive space, 16 Megabytes of RAM, Windows 98/ME/2000/XP
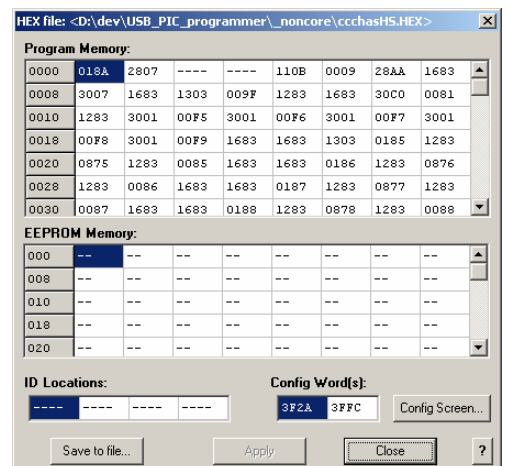
Supported devices

Currently PPP and the Lite development board support the following devices:

PIC16F87, PIC16F88, PIC16F818, PIC16F819, PIC16F627A, PIC16F628A, PIC16F648

PPP screen images

PPP configuration screen

Hex file display screen

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