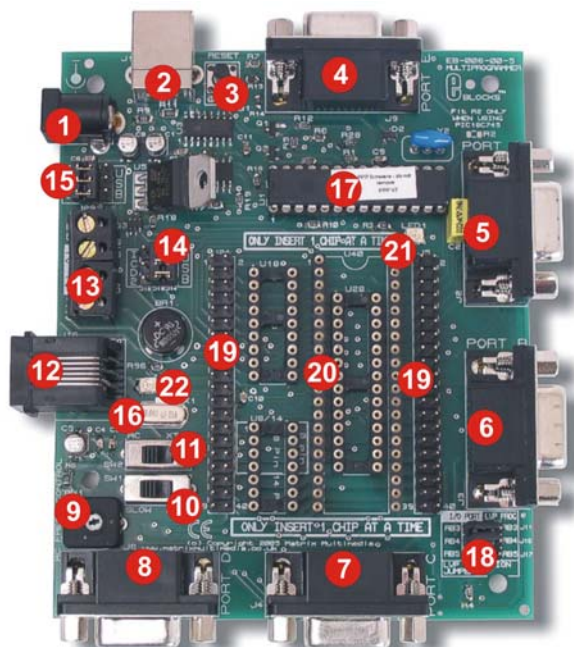
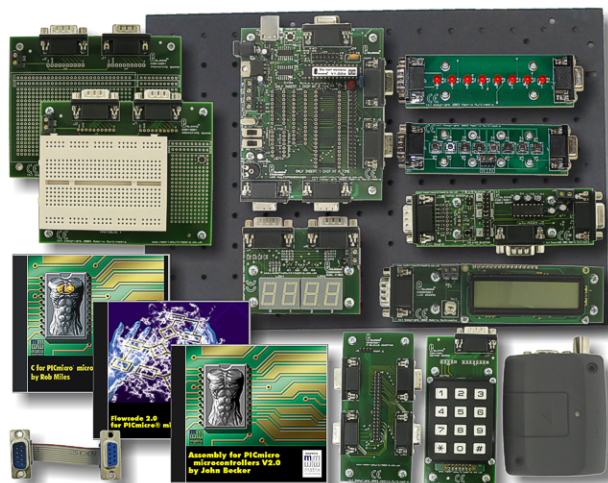


- E-blocks compatible
- Can be used as a programmer and as a development board
- Programs a wide range of PICmicro MCU devices (see below)
- RC or Xtal operation
- 5 I/O ports
- Interchangeable crystal
- Fitted with PIC16F88 as standard
- Comprehensive programming utility provided

This new PICmicro microcontroller programmer connects to your PC via USB to provide you with one of the World's lowest cost and most flexible PICmicro® microcontroller programmers. This board can be used with Assembly, C or Flowcode programming utilities provided by Matrix Multimedia. The board will program most 8, 14, 18, 28 and 40 pin PICmicro microcontroller devices using the flexible programming software provided – PPP – and provides 'clean' access to all I/O lines on the relevant PICmicro MCU devices.

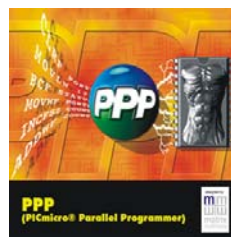
Full programming software – PPP – is provided. A description of PPP and a list of compatible PICmicro devices is given below.

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



1. Power connector - either polarity
2. USB connector
3. Reset switch
4. Port E I/O
5. Port A I/O
6. Port B I/O
7. Port C I/O
8. Port D I/O
9. RC clock speed potentiometer
10. RC clock speed switch
11. Clock crystal / RC switch
12. ICD2 socket
13. Power screw terminals
14. USB/ICD2 programming selector
15. USB/ICD2 power selector
16. Removable crystal
17. USB control chip – do not remove
18. Low Voltage Program pin selector link block
19. Expansion connector – two off
20. Turned pin DIL sockets for 8, 14, 18, 28, 40 pin PICmicro devices
21. 'Ready to go' programming LED
22. Power LED

This product includes:



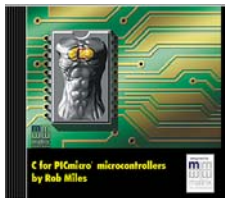
PPP programming utility



Sampler CD ROM

PPP programming utility

PPP is compatible with our ranges of programming utilities and courses:



C for PICmicro microcontrollers V3.0



Flowcode for PICmicro microcontrollers V2.1



Assembly for PICmicro microcontrollers V3.0

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

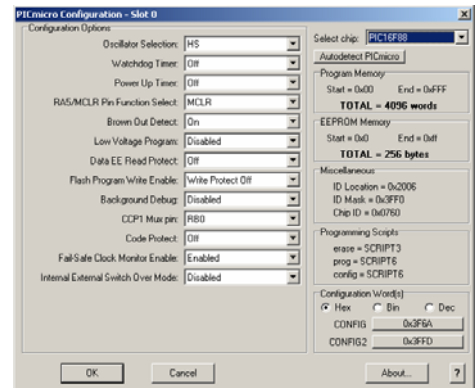
Currently PPP and the development board support the following devices:

PIC12F629, PIC12F675, PIC12F635, PIC12F683

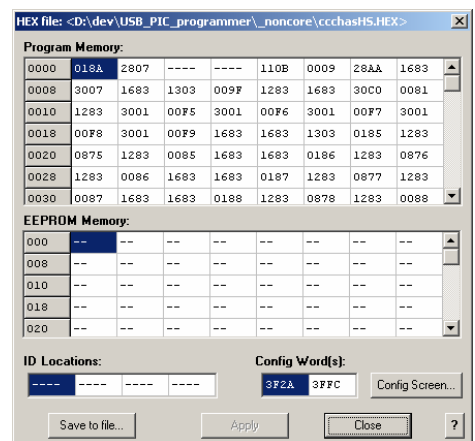
PIC16F627A, PIC16F627, PIC16F628A, PIC16F628, PIC16F630, PIC16F648A, PIC16F676, PIC16F684, PIC16F688, PIC16F636, PIC16F716, PIC16F72, PIC16F737, PIC16F73, PIC16F747, PIC16F74, PIC16F767, PIC16F76, PIC16F777, PIC16F77, PIC16F818, PIC16F819, PIC16F83, PIC16F84A, PIC16F84, PIC16F870, PIC16F871, PIC16F872, PIC16F873A, PIC16F873, PIC16F874A, PIC16F874, PIC16F876A, PIC16F876, PIC16F877A, PIC16F877, PIC16F87, PIC16F88

PIC18F242, PIC18F248, PIC18F252, PIC18F258, PIC18F442, PIC18F448, PIC18F452, PIC18F458, PIC18F1220, PIC18F1320, PIC18F2220, PIC18F2320, PIC18F2331, PIC18F2410, PIC18F2420, PIC18F2431, PIC18F2439, PIC18F2455, PIC18F2510, PIC18F2515, PIC18F2520, PIC18F2525, PIC18F2539, PIC18F2550, PIC18F2585, PIC18F2586, PIC18F2610, PIC18F2620, PIC18F2680, PIC18F2681, PIC18F4220, PIC18F4320, PIC18F4331, PIC18F4410, PIC18F4420, PIC18F4431, PIC18F4439, PIC18F4455, PIC18F4510, PIC18F4515, PIC18F4520, PIC18F4525, PIC18F4539, PIC18F4550, PIC18F4585, PIC18F4586, PIC18F4610, PIC18F4620, PIC18F4680, PIC18F4681

PPP screen images



PPP configuration screen



Hex file display screen