

# **E-blocks**

## **Programming chips in custom circuitry on the EB006**

Using the EB006 or the HP488 PICmicro programming boards it is possible to directly program a PICmicro device that is plugged into its own circuit board.

This means you can have the PICmicro plugged into a custom PCB and program the device without having to keep removing and inserting the PICmicro device into a programmer.

To do this you will have to either create a standard ICSP header on your custom circuit board or wire the connections directly to the Pins of your microcontroller.

Here is a schematic of the connections that need to be made from the EB006 or HP488 boards. You could use a DIL socket so that you can detach the programming cable from the EB006 if you wish. Otherwise you can solder directly to the header.

[http://www.matrixtsl.com/images/...\\_HP488.gif](http://www.matrixtsl.com/images/..._HP488.gif)

The ICSP connector has the following connections to your remote PICmicro device.

- 1 - MCLR
- 2 - VCC
- 3 - GND
- 4 - RB7 - PGD
- 5 - RB6 - PGC
- 6 - NC

A more detailed explanation of the Microchip ICSP standard can be found here.

[http://ww1.microchip.com/downloads/en/D...\\_30277d.pdf](http://ww1.microchip.com/downloads/en/D..._30277d.pdf)

Unique solution ID: #1011

Author: DavidA

Last update: 2015-03-31 12:06