

## 2 Contents of the box.

In this chapter we discuss the hardware and software from your shopping list, and if applicable we will install the software.

### 2.1 Hardware

#### 2.1.1 Programmer board

At this point you have three options:

1. The EB006 version v7 or later. This is the recommended programmer and it will allow you to do the entire course.
2. The EB006 earlier versions. You can do this course, assuming it supports the 18F4455 PIC microcontroller, but you will have to skip the ICD part.
3. The ECIO40 with Application board. You can do this course with the exception of the sections on ICD and Fuses.

##### 2.1.1.1 EB006

The PICmicro microcontroller programmer connects to your PC via USB. This board can be used with Assembly, C or Flowcode programming utilities provided by Matrix Multimedia, or third party languages. The board will program most 8, 14, 18, 28 and 40 pin flash PICmicro microcontroller devices' using the flexible programming software PPP access to all I/O lines on the relevant PICmicro MCU devices.

In this course we use the 18F4455 PIC microcontroller. So remove the 16F88 microcontroller that came with the board and place the 18F4455. Pay attention to the location of the notch! Make sure all 40 pins are snugly in their holes and that they are not bent underneath. Take your time to insert the microcontroller and make sure you get it right.

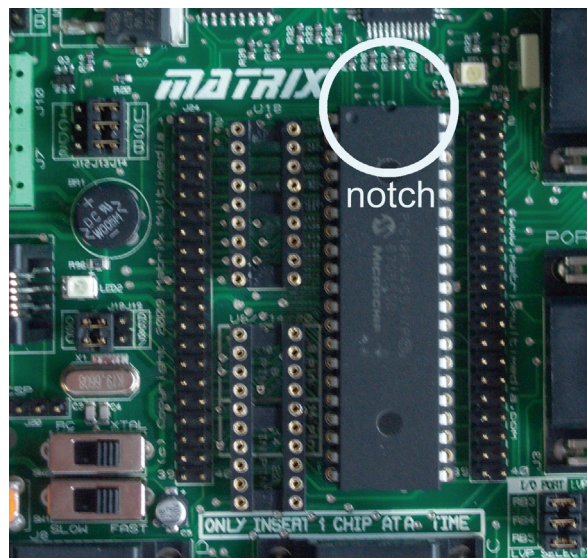


Figure 3. Make sure the notch on the 18F4455 is at the right side (v7 board).