1. **PICKit 3 programmer software installation** for use with the PICKit 3 hardware programmer.

1.1. Install the latest programmer software from the enclosed 'PICKit3_programmer.zip' archive.

1.2. Connect the hardware PICKit 3 programmer to your PC and start the software: double click "PICkit3.exe"
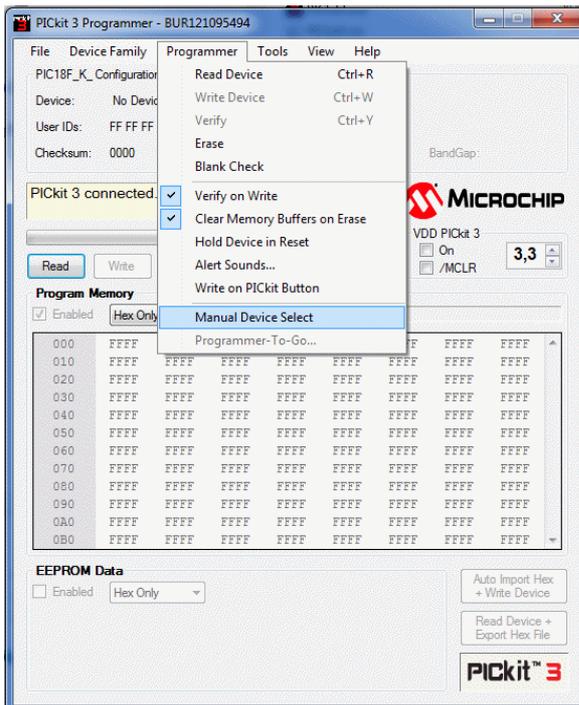<u>Do not connect</u> the programming cable to a pcb yet.
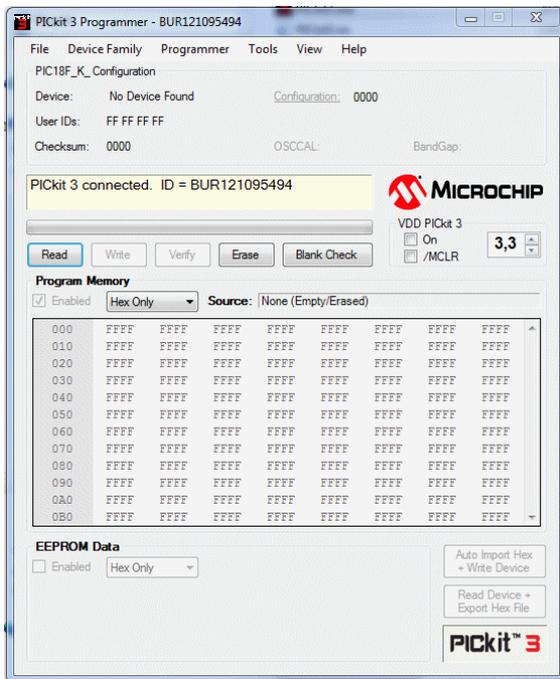
1.2.1. Tested compatibility OS:

* Windows XP SP, 32-bit with .NET 4.0 installed.
* Windows Vista, 32-bit with .NET 4.0 installed.
* Windows 7, 64-bit.

1.3. PICKit 3 Software Settings:
1.3.1. Goto "Programmer" and leave the 'Manual Device Select' Unchecked.

1.3.2. Goto "Tools" and have the 'Fast Programming' checked.

1.3.3. Goto "Tools" and have the 'Target VDD Source → Auto-Detect' checked.

2.0. PIC chip firmware Programming (uploading the hex to your pcb.)

2.1. Connect the programming cable to your pcb. Try without powering the pcb first.

2.2. **Click 'Device Family'** and choose the PIC family type.

- For the PIC18F25K20 → select 'PIC18F_K_'
- For the dsPIC33FJ256GP506 → select 'dsPIC33'
- For the PIC18F2520 → select 'PIC18F'

The chip should be detected now:
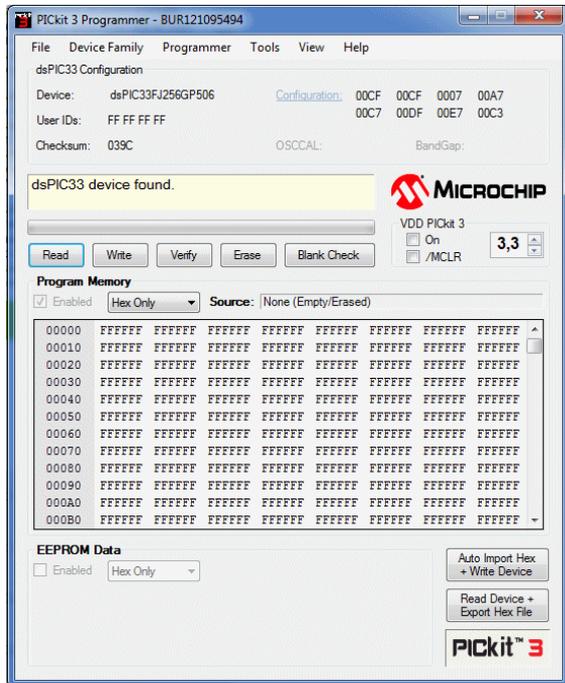
2.3. **Open the hex file**: click 'File' and 'Import hex' and select the hex file needed.

2.4. **Choose 'Write'** to upload to hex file to your pcb; will take around 4…30 seconds.

2.5. You should get the confirmation of correct programming. Done!