

APPENDIX A: PROGRAMMING PIC

Here I give some tips for programming the PIC. We have used IC-Prog v1.04. In Figure A.1 you see a view of program. Here some settings are given. First of all chose device as PIC 16F877, configuration on the right side is seen in figure. Oscillator XT, code protection CP OFF, all fuses are all OFF (unchecked). If it is necessary in critic applications, fuses mat be checked for details of them see the PIC16F877 datasheet.

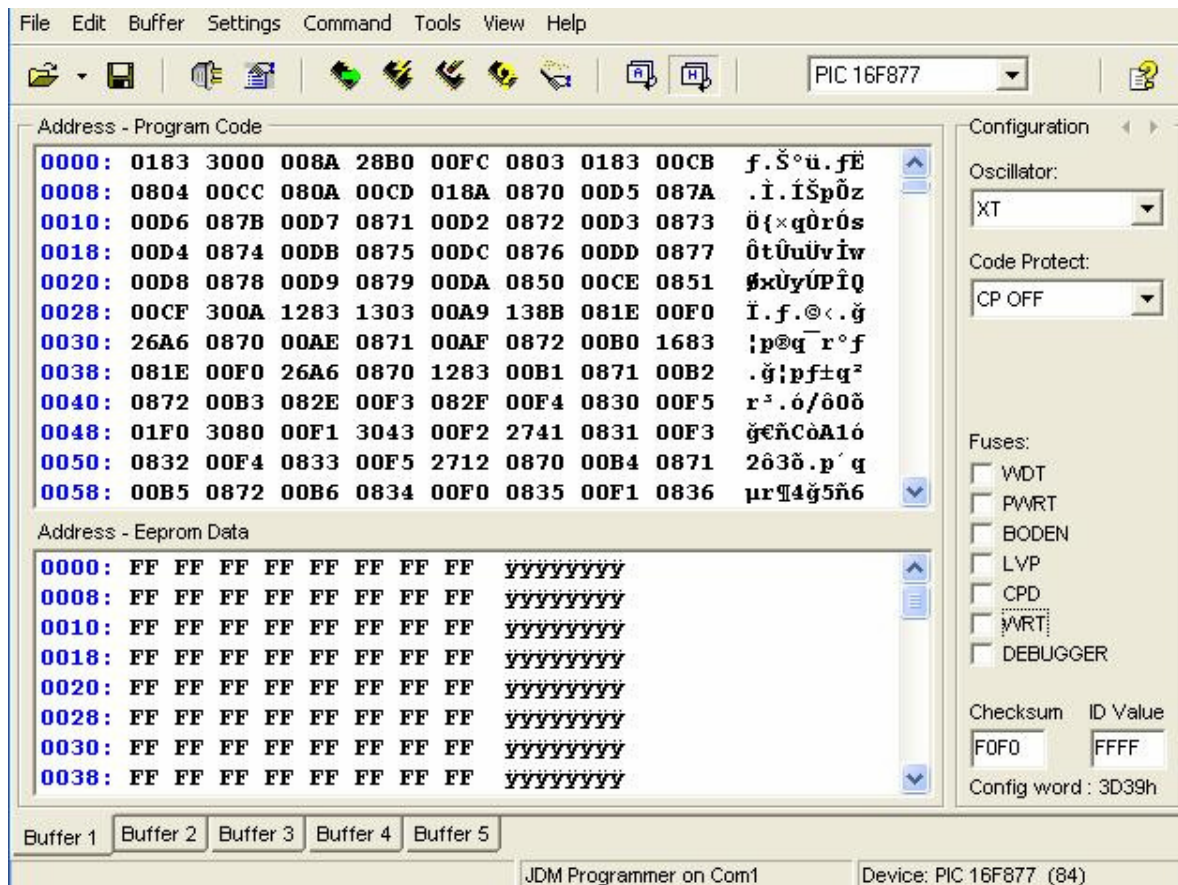




Figure A.1 Programming settings

Using hardware  button set the COM port, choose programmer as JDM Programmer (it is recommended to use the programmer given in Appendix B). If you use Win98 (or have the Win2000,XP... driver) select 'Direct I/O' interface, otherwise select 'Windows API'. Settings are seen in Figure A.2.

Using options  button go to the 'Misc' tag and check 'Enable Vcc control for JDM' and 'Enable NT/2000 driver' option if you have driver. These setting are in Figure A.3.

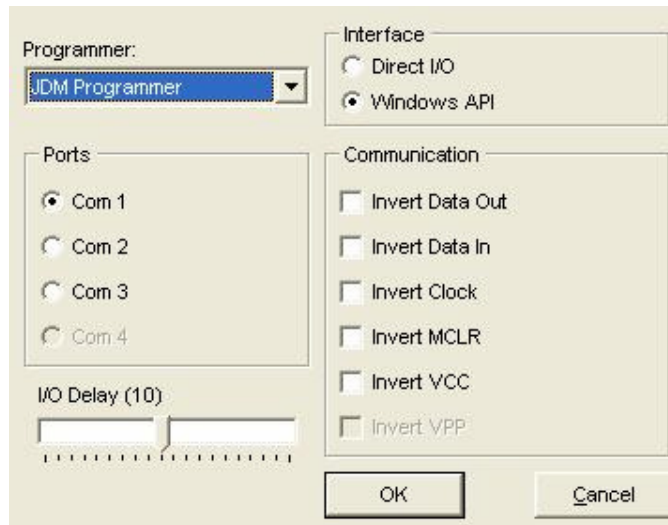


Figure A.2 Hardware settings

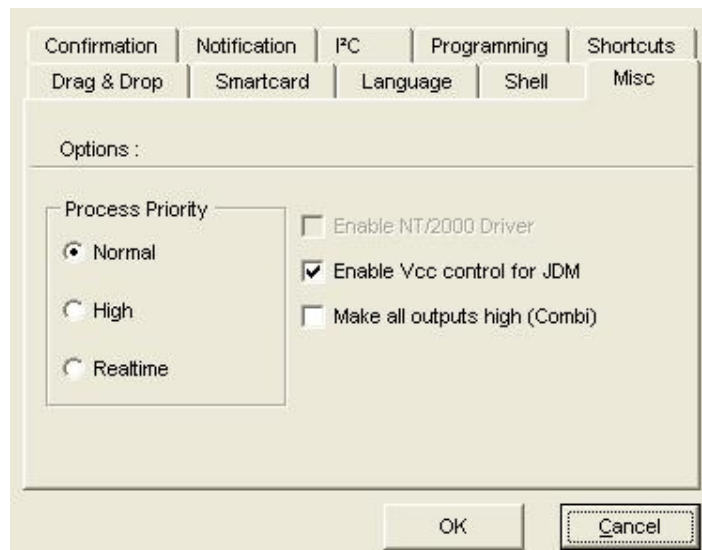
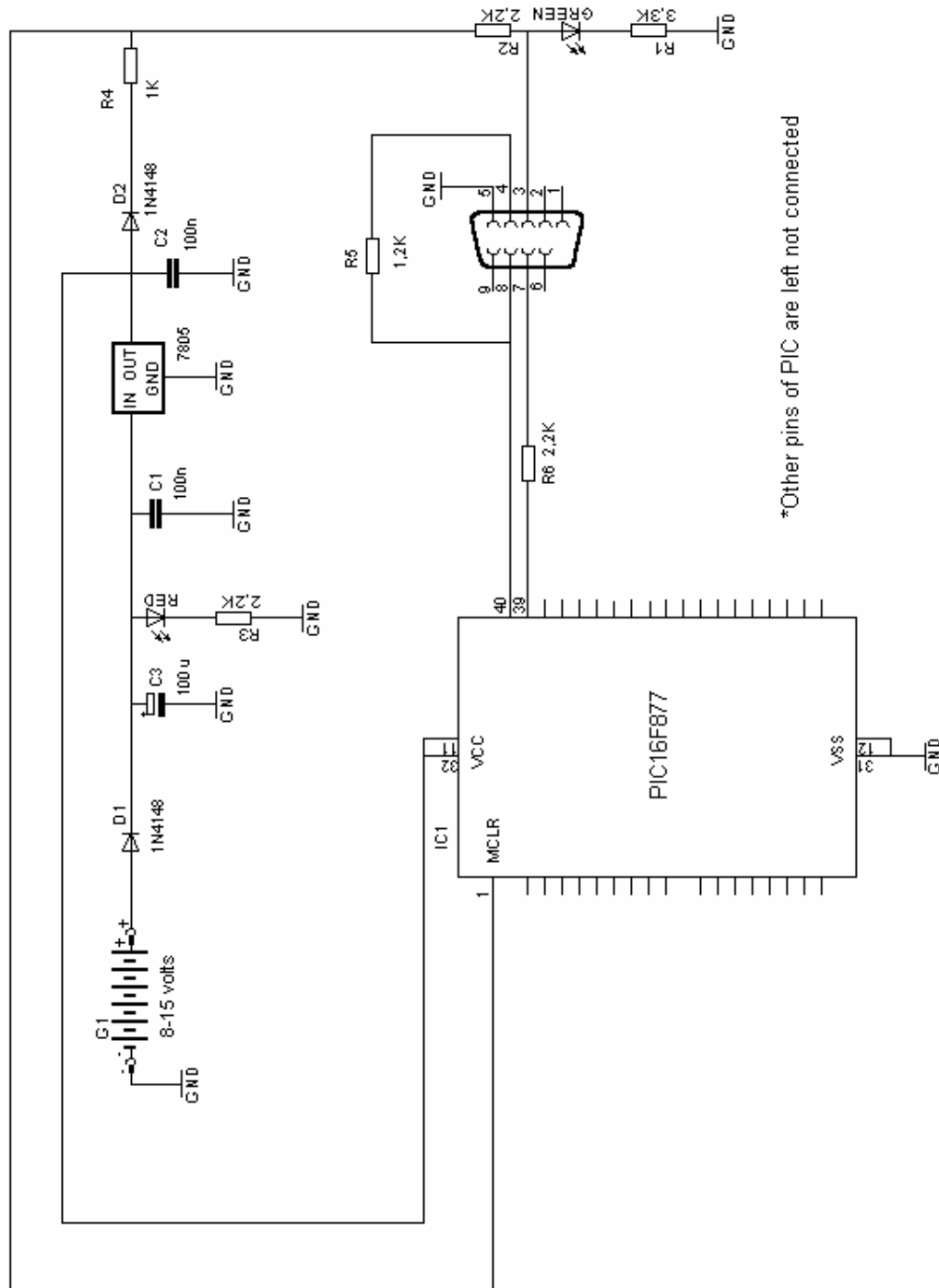


Figure A.3 Options Misc settings

APPENDIX B: PIC PROGRAMMER



*Other pins of PLC are left not connected