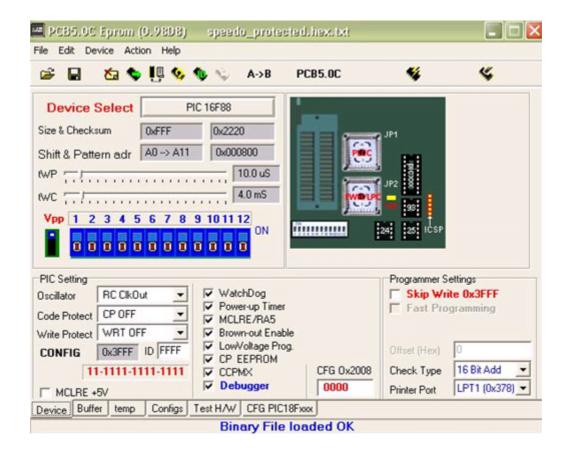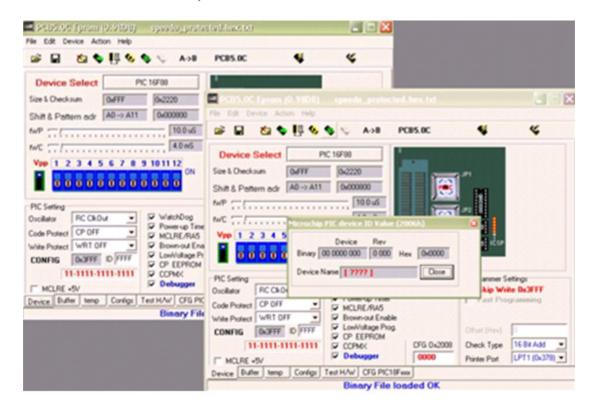# italiangirardi@gmail.com

USING WILLEM HARDWARE PCB CIRCUIT VERSION 5.0C, ONCE SETTING IT TO PROGRAM THE PIC 16F88 IT WILL SHOW YOU A SORT OF JUMPERS THAT MUST BE POSITIONED AS THE PICTURE SHOWN IN THE SOFTWARE DISPLAY.
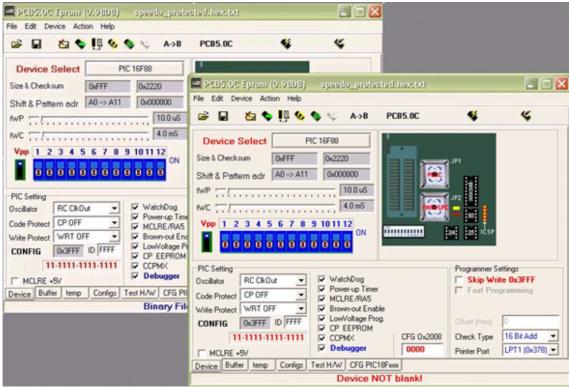

THEN, USING THE WILLEM SOFTWARE TO FIND THE JUMPER SETTINGS:

WILLEM 5.0C AFTER THE SETTINGS ARE MADE, DOES NOT RECOGNISE THE 16F88, IT ONLY SHOWS WHAT YOU SEE…
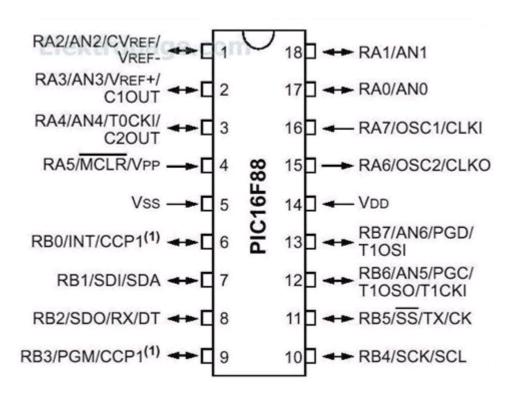

THE BLANCK CHECK ALSO IS WRONG, AS I USED A BLANK 16F88 CHIP, BUT IT DOES NOT RECOGNIZE AS BLANK:
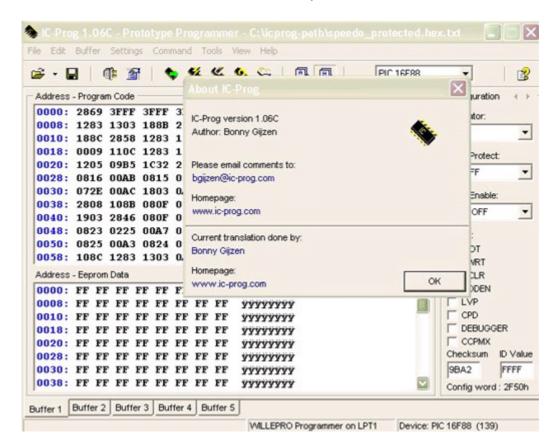

HERE IS THE PINOUTS FOR THE 16F88, I THINK THAT THERE IS SOME JUMPER MISSING ON SOMEWHEN, SPECIALLY THE GROUND! AS THE
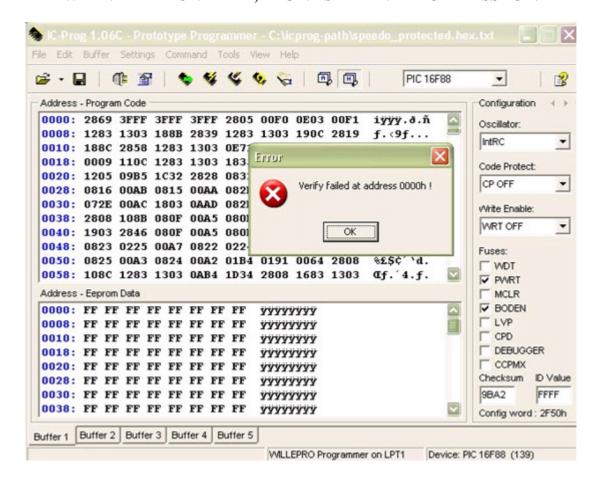
RB6 AND RB7 IS JUMPERLESS IF YOU CHECK IN THE FIRST PICTURE I PUT IN THE TOP OF THIS PDF FILE:

NOW THAT THE JUMPERS ARE MADE, OPENING THE ICPROG 1.06B:

WHEN I TRY TO VERIFY, IT GIVES ME AN ERROR MESSAGE:

HOW TO CHECK THE VOLTAGES?

HOW TO CHECK THE GROUND?

I BELIEVE IT IS ONLY A GROUND PROBLEM AS RB6 AND RB7 AND LEFT ALONE IN THE ICSP I ONLY PLUGGED A JUMPER ON VPP TO VCC …. IS THERE SOMETHING MISSING ON THAT?

I GOT THIS DIAGRAM … IT SHOWS RB7 AND RB6 GOING INTO PGD AND PGC … IT

HOW TO CHECK IF THE PGD AND PGC ARE GOING TO THE RIGHT PATH ON CIRCUIT?

HOW TO CHECK IF THE GROUND IS PROPERLY GROUNDED?