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Next Generation Technology Labs

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WWW.ROBOSOFTLABS.COM

“Programming Using ProgISP”

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DEVICE REQUIRED: ROBOSOFT LABS "USBasp PROGRAMMER"



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If you don't have this programmer, you can buy from below link:

[http://store.robosoftlabs.com/8051 AVR USBASP PROGRAMMER](http://store.robosoftlabs.com/8051_AVR_USBASP_PROGRAMMER)

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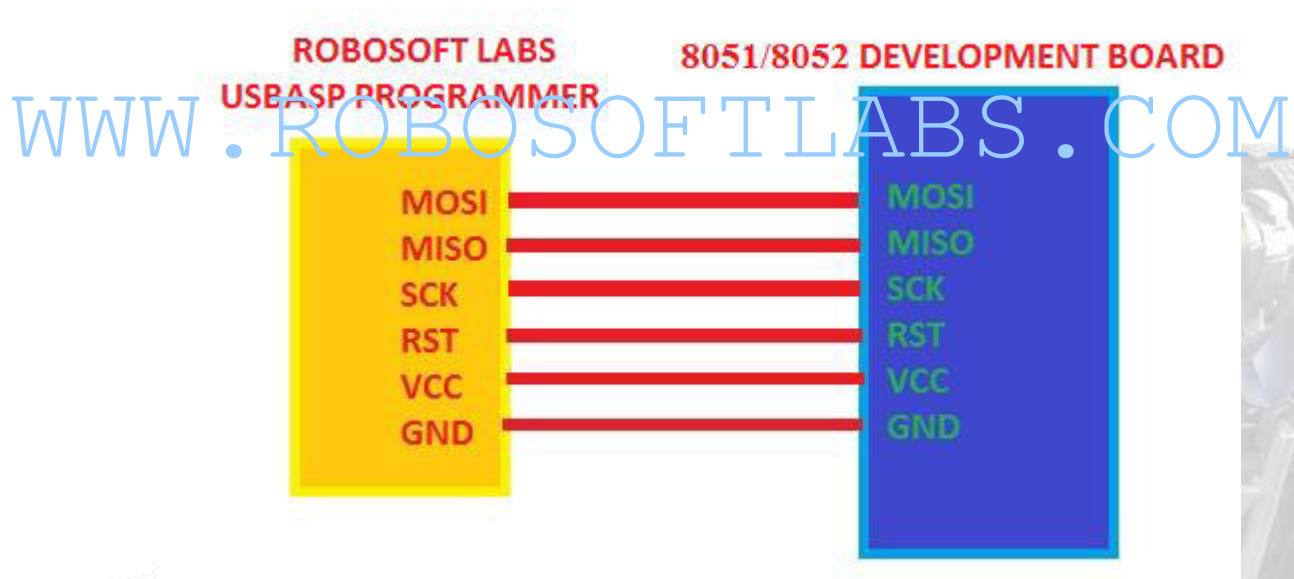
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Steps for Programming microcontroller Using Robosoft Labs USBasp Programmer and ProgISP:

Please Install The Drivers For USBasp/ISP Programmer prior to this below steps.

Step 1: Connect 6 Pins of “Programmer” to “8051/8052 development board”



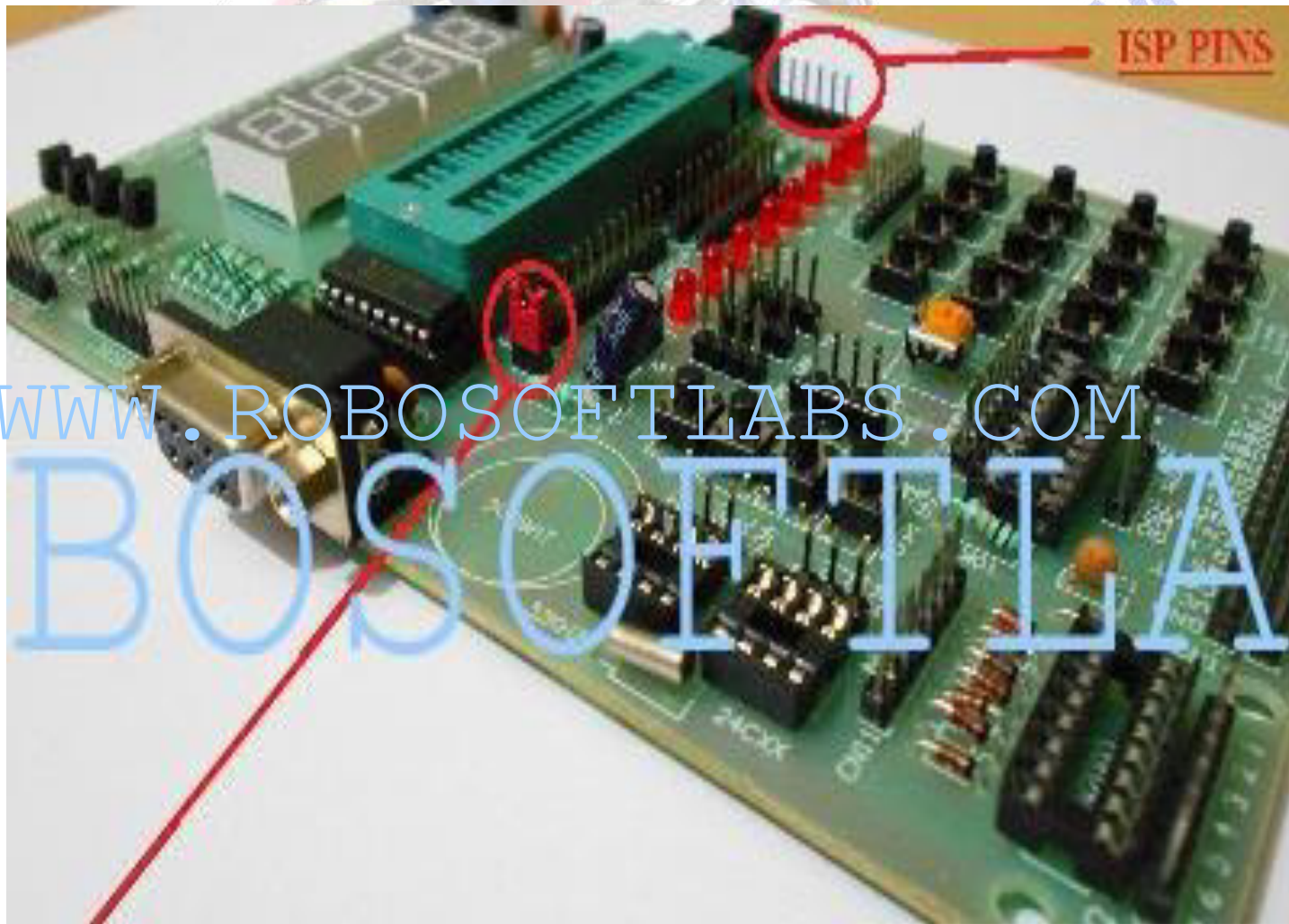
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Step 2: For Programming remove this “**UPLOAD**” jumper from 8051/8052 Development board.



JUMPER SETTING:

- 1) CONNECT THIS JUMPER TO AUTO RESET ON POWER UP(NORMAL OPERATION)
- 2) DISCONNECT THIS JUMPER WHEN PROGRAMMING MICROCONTROLLER THROUGH ISP

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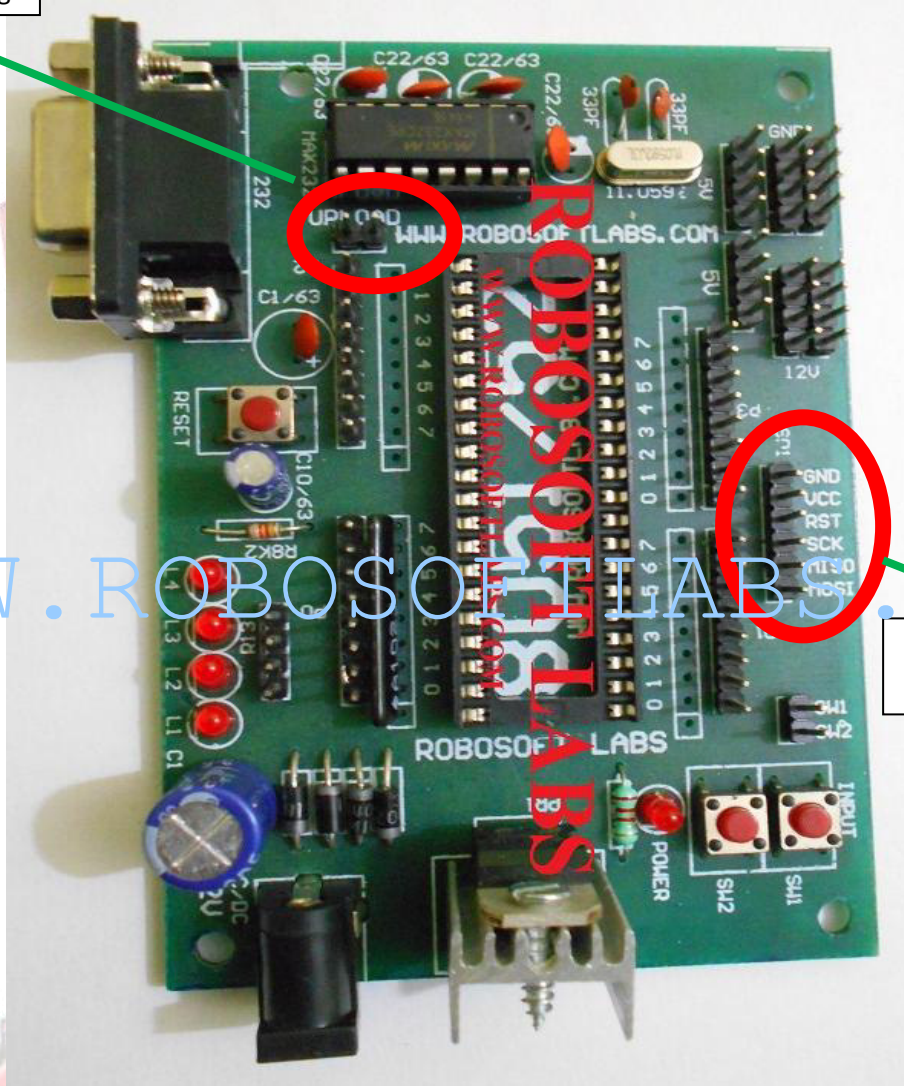


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Jumper Setting



Connect USBasp
Programmer here

JUMPER SETTING:

- 1) Connect this jumper to Auto Reset on Power up/Normal Operations.
- 2) Disconnet this jumper when Programming mirocontroller through USBasp/ISP Programmer

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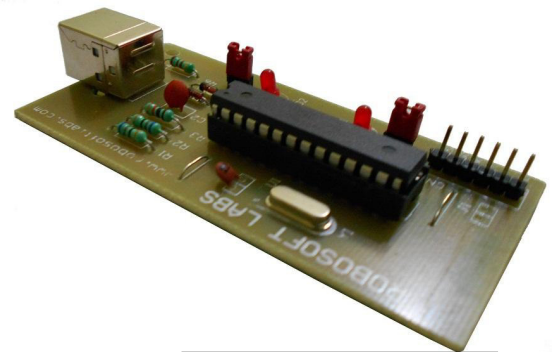
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STEP 3: Connect USBasp Programmer to LAPTOP/DESKTOP using USB Cable



Laptop/ Desktop

USB Cable



USBasp Programmer

Note: Drivers for USBasp Programmer should have been installed prior to this step, if drivers are not installed then please follow the Steps for installing drivers.

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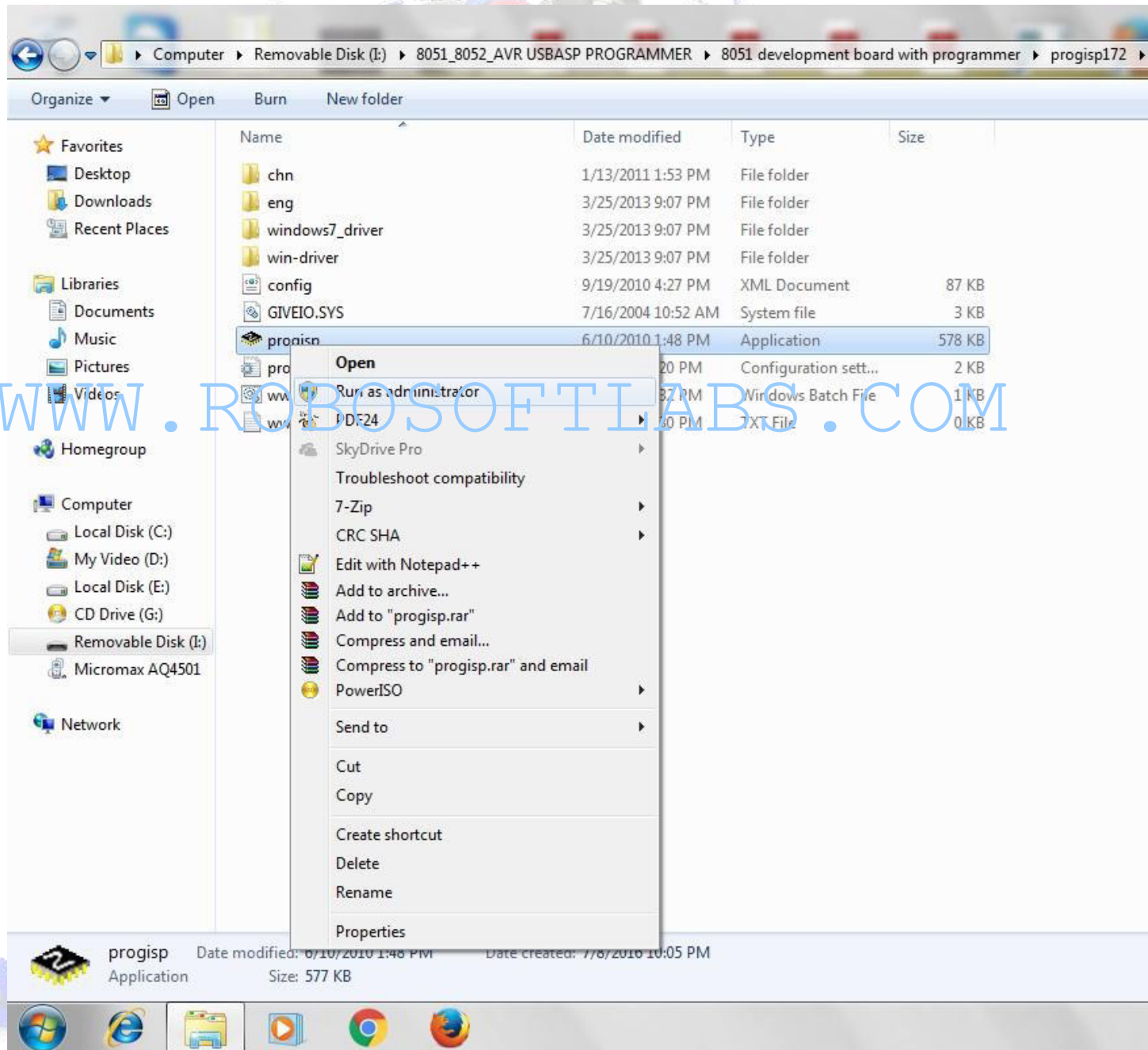


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STEP 4: Opening “ProgISP”, Right Click the “ProgISP.EXE” and select “Run as administrator”



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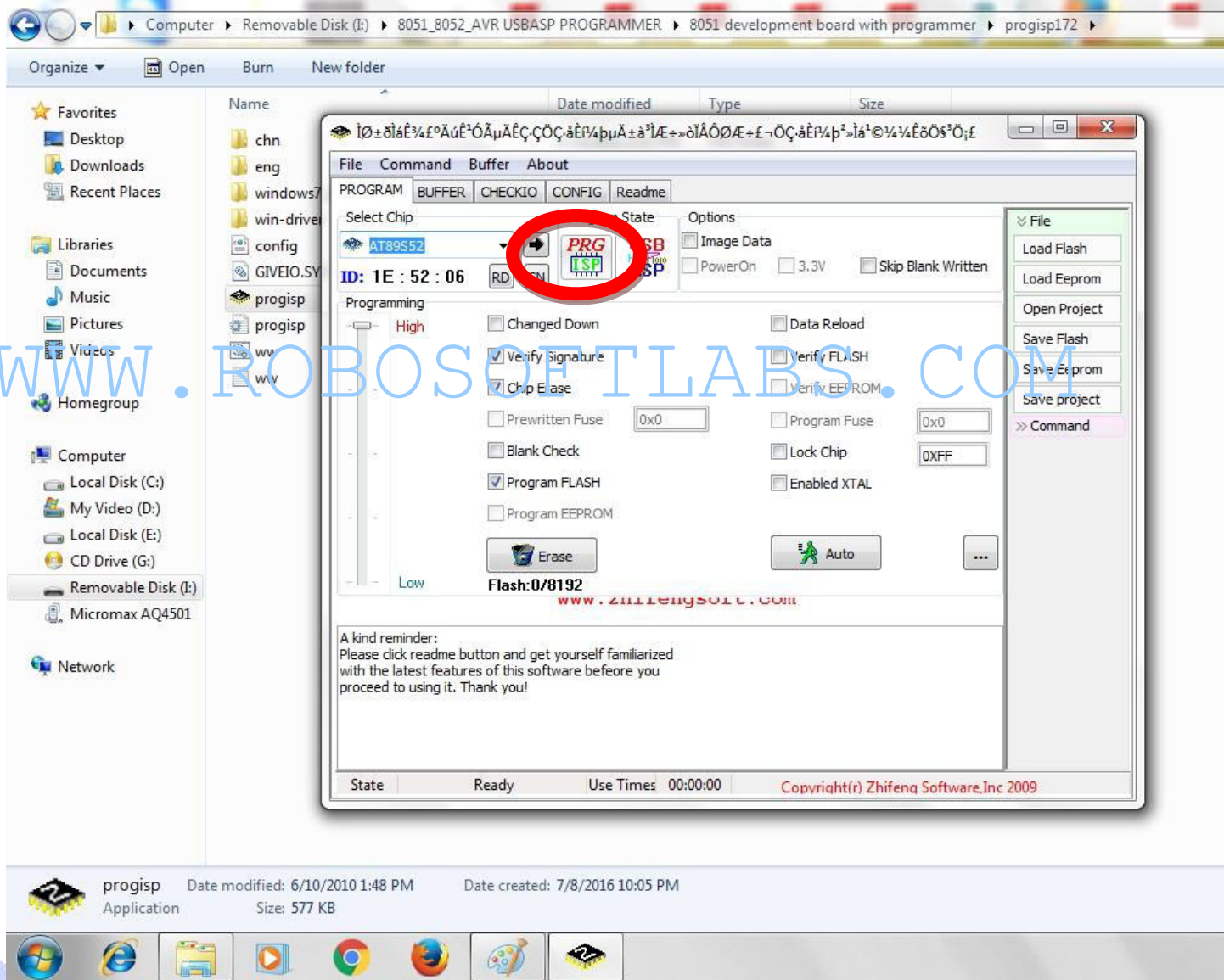


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STEP 5: Check USBasp/ISP Programmer is connected or not, the icon becomes “RED & GREEN” when USBasp/ISP Programmer is Found and when no programmer is found it turns into gray.



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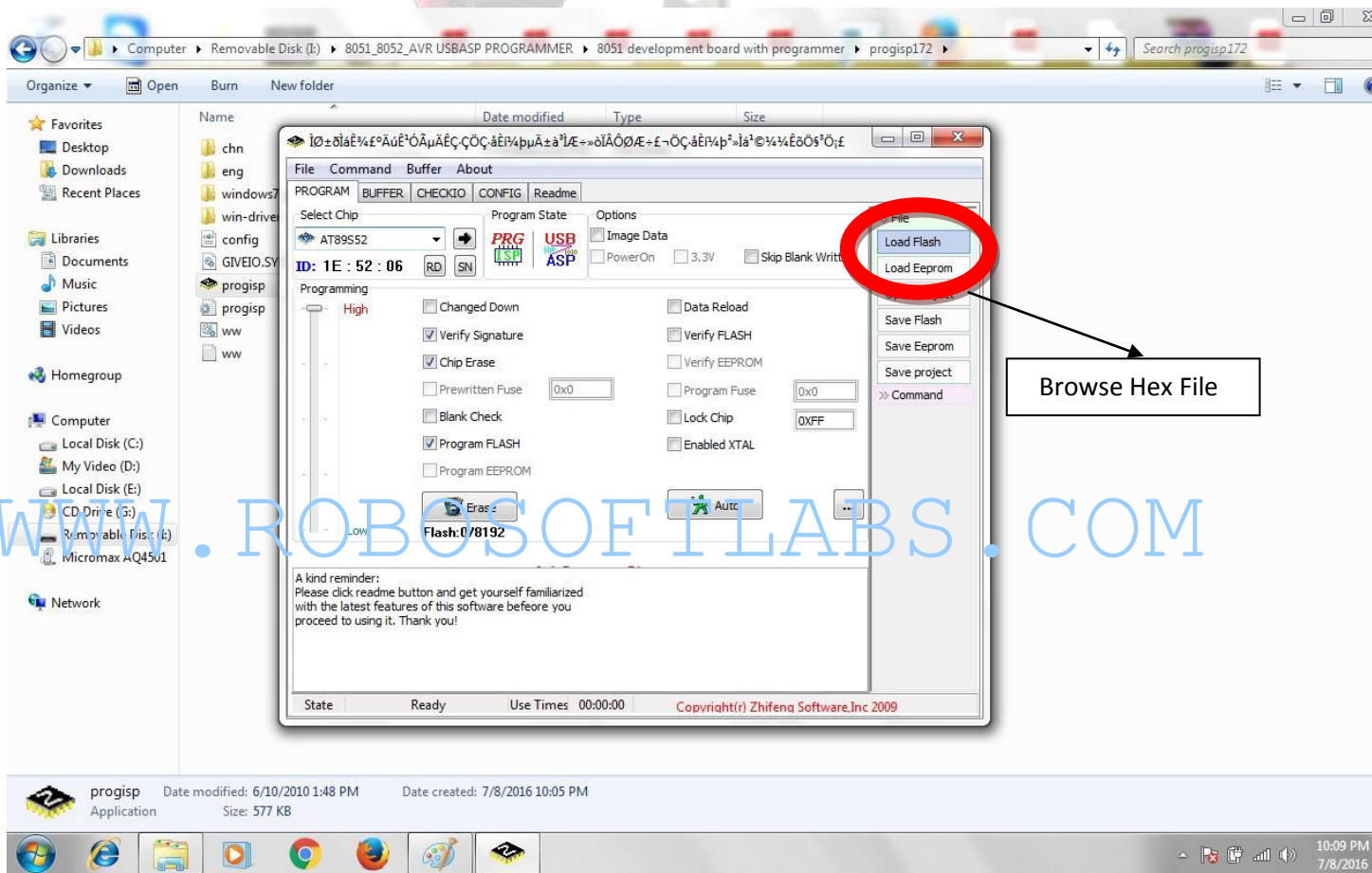


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STEP 6: Click the “Load Flash” and select your “Hex File”.



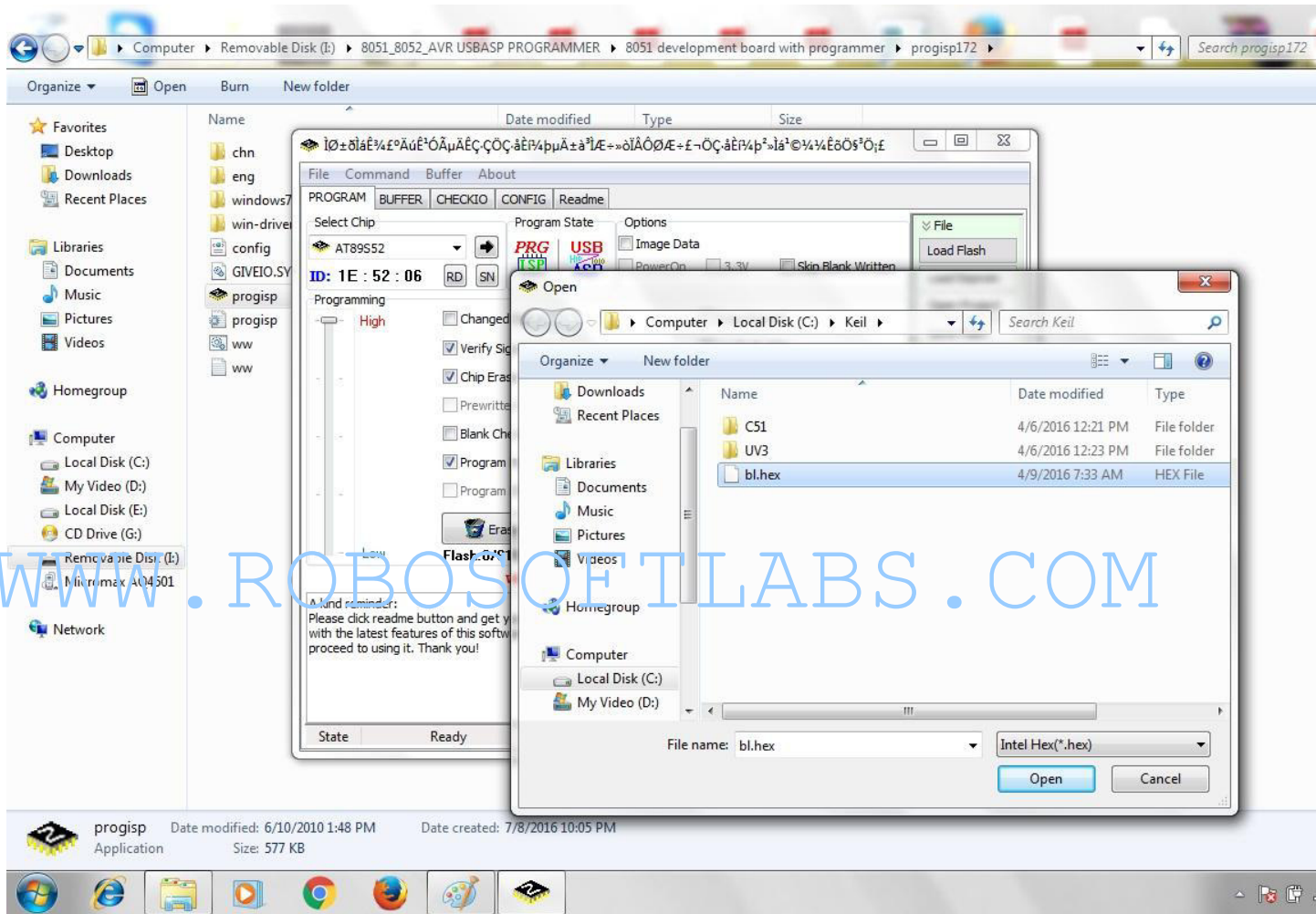
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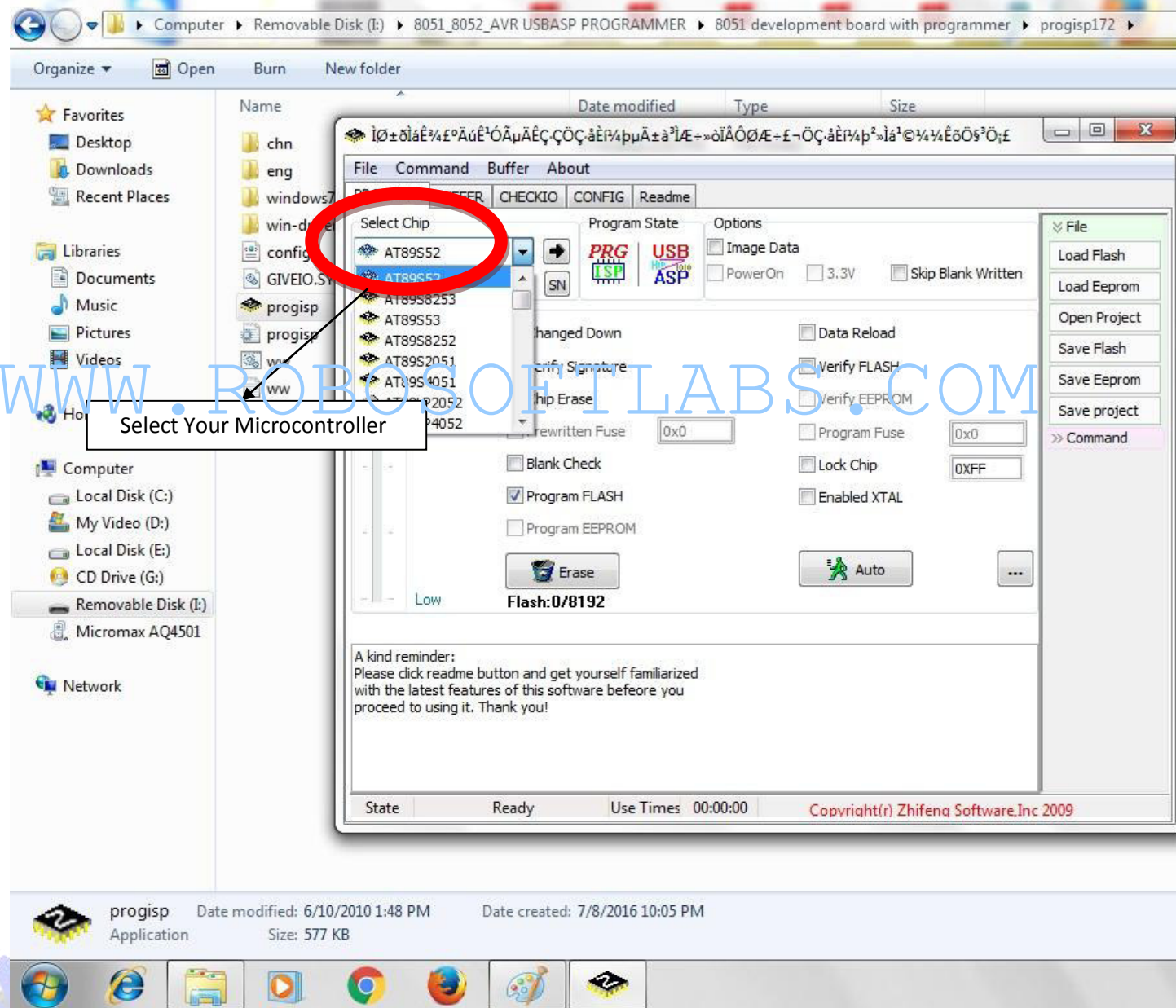


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STEP 7: Select the microcontroller to which Hex File will be uploaded through “Select Chip”



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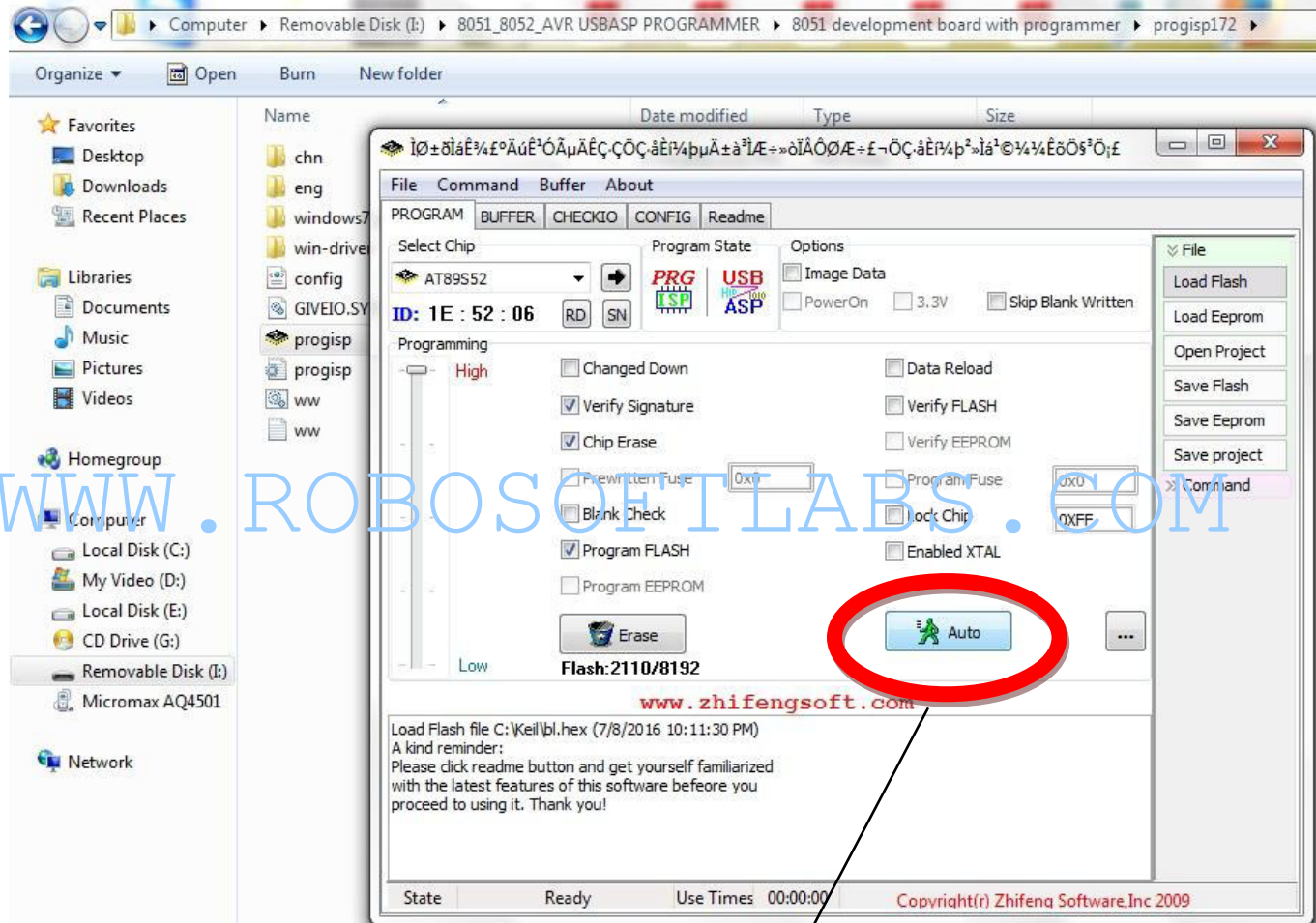


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STEP 8: Now Click “AUTO” button.



Click to Upload Hex File

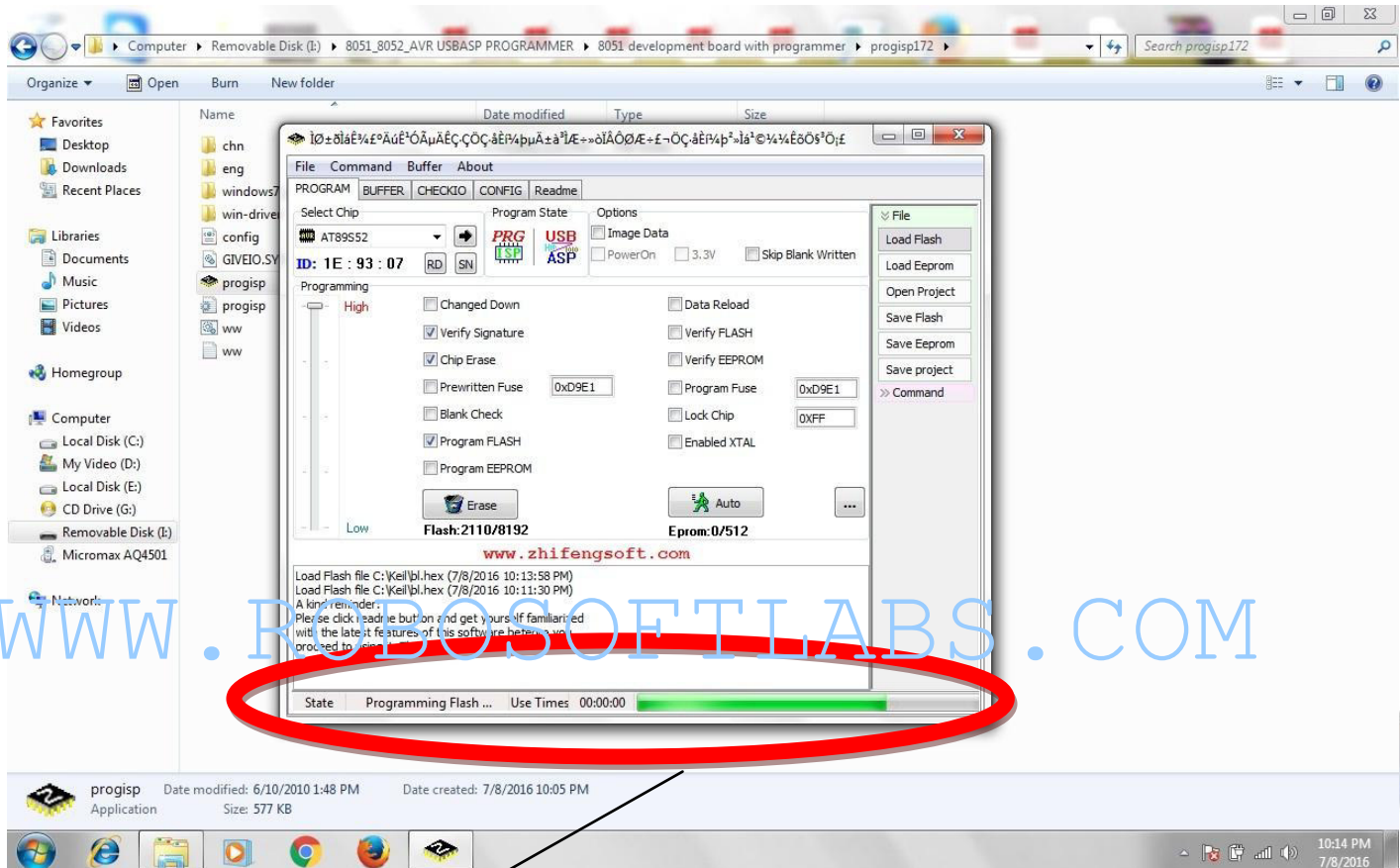
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Loading program into microcontroller

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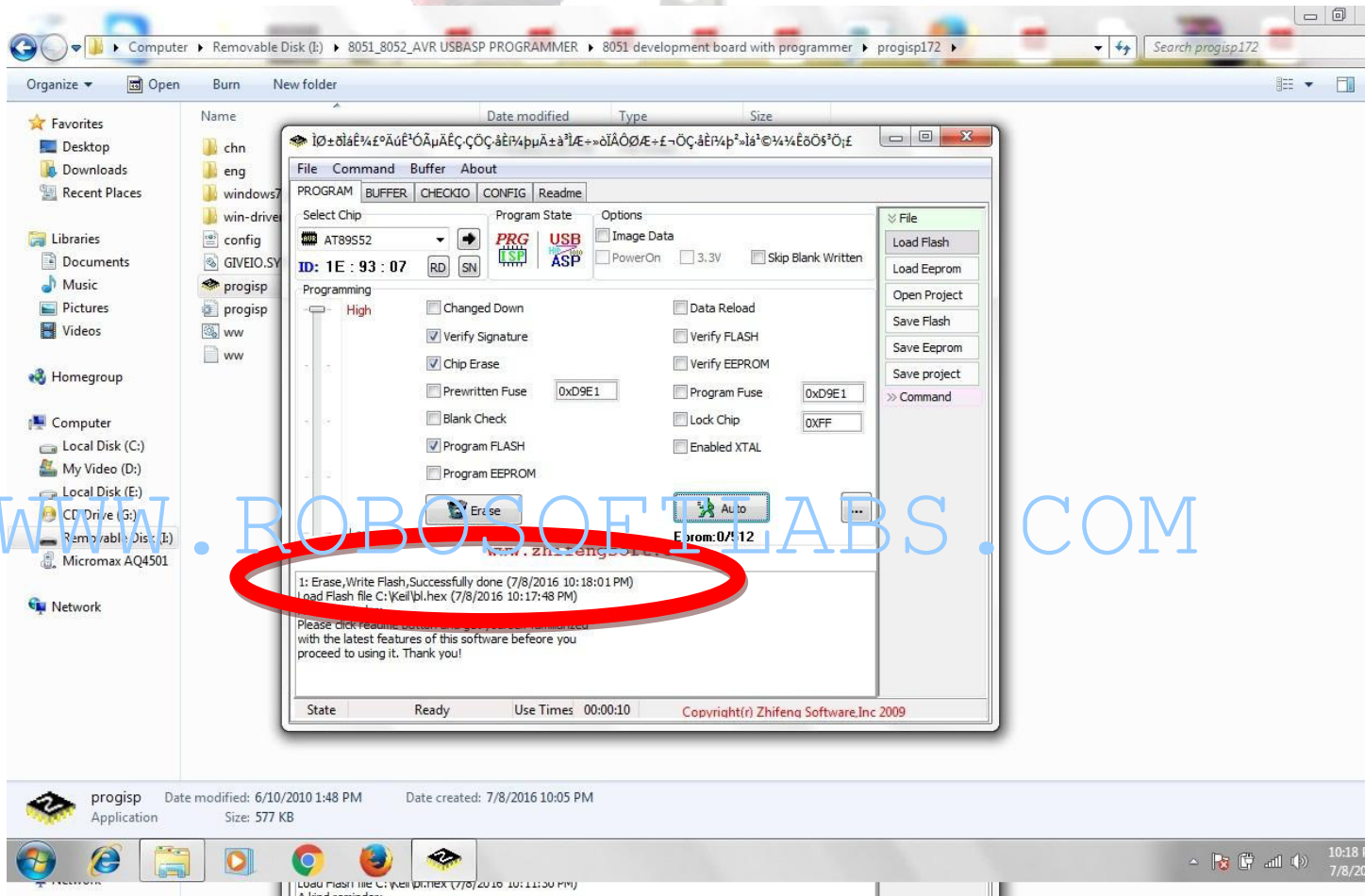


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STEP 9: Yippie program has been uploaded successfully.



Thanks and Regards,

Robosoft Labs Team

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