

Application Note

68HC11 ROMON is Set

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Symptom: Emulator will not start after changing the microcontroller or running code then resetting the Emulator.

How to check:

1. First copy your startup.bas file to some location to save your working configuration.
2. Go back through the configuration and enable the option [] Test Mode after reset

If the emulator comes up then the chance that the CONFIG register has the ROMON bit set true is most likely the problem.

Procedure to correct:

While in TEST mode:

- 1) Select Config Emulator from the menus
- 2) Enable BPROT override with the value of 0 (zero), Also make sure that the Area from 1000 to 1FFF is mapped to target. Then click OK

Two Possible Ways:

(a)

- 1) Select a data window and go to address 103F. Now right click in this data window and select Inhibit Read back.
- 2) Edit the Cell of memory for 103F and enter the value 0D and press enter.

(b)

1. Right-click in the Reg1 window and select "Add Special Register".
2. Open the Tree for SFR and select the Config Register and move this to the Right panel.
3. Select the Config register in the right panel and then select "Add to Reg_1".
4. Now close the Add Special Register Dialog Box.
5. Select the Config Register in the Reg_1 window and edit the value with 0D and press enter.

Continue

- 1) Click on the Reset Chip Tool Button (Finger pointing down on button).
- 2) Go back to Config Emulator and De-select the TEST mode option and click ok.
- 3) Go back to the data window and right click and select the Inhibit Read Back option again to turn this feature off.
- 4) Select the menu item "Macro" | Macro Run - select the name of the macro that you saved to recover your previous setup.
- 5) Save settings to "Startup.bas"