May 18th, 2012

C8051F38x Errata

Erratum #	Title	Impact	Affected Revision
1	ADC0 Maximum Supply Current Specification	Information	Data Sheet Version 1.0
2	External Oscillator on 32-pin packages	Major	Revision A

Impact definition: Each erratum is marked with an impact, as defined below:
- Minor – Workaround exists.
- Major – Errata that do not conform to the data sheet or standard.
- Information – The device behavior is not ideal but acceptable. Typically, the data sheet will be changed to match the device behavior.

1. **Description**: The specification in the C8051F38x data sheet (version 1.0) for the ADC0 maximum Power Supply Current is 880 µA. The correct specification is 1 mA.

   Impact: The ADC0 peripheral may require up to 120 µA more than what is stated in the data sheet.

   Workaround: No workaround exists for this issue.

   Resolution: Version 1.1 of the C8051F38x data sheet will include the correct value for the maximum Power Supply Current specification.

2. **Description**: The external oscillator circuit is non-functional on the 32-pin packages in C, RC, and Crystal oscillator modes. The external CMOS clock modes are functional. The affected part numbers are: C8051F381-GQ, C8051F381-GM, C8051F383-GQ, C8051F383-GM, C8051F385-GQ, C8051F385-GM, C8051F387-GQ, and C8051F387-GM.

   Impact: The external oscillator cannot be used to generate a clock when used in the C, RC or Crystal modes on the affected devices.

   Workaround: One of the internal oscillators or an external CMOS clock may be used to provide a clock to the device and/or its peripherals.

   Resolution: Revision B of the device will allow the use of the external oscillator in C, RC and Crystal modes.