



May 20, 2011

## C8051F38x Revision A Errata

### Errata Status Summary

| Errata # | Title                                  | Impact | Revision A   | Revision B        |
|----------|--|--------|--------------|-------------------|
| 1        | External Oscillator on 32-pin packages | Major  | Issue exists | Issue to be fixed |

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.

### Errata Details

1. **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.