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Bulletin Date:	4/17/2013		Bulletin Effective Date:		4/22/2013
Title:	C8051F41x Revisions A-F Errata Notification				
Originator:	Atsushi Ninomiya	Phone:	512-532-5828	Dept:	Marketing
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Bulletin Details					
Description: C8051F41x Revisions A-F Errata is now available at www.silabs.com . Please contact your Silicon Labs sales representative if you have questions. A list of Silicon Labs representatives is available at www.silabs.com .					
Reason: There are four erratum to the C8051F41x Revision A-F <ul style="list-style-type: none">• Hardware Erratum H1: The XTLVLD bit in the OSCXCN register may not properly indicate when an external crystal oscillator is running and stable.• Hardware Erratum H2: Port pins that are programmed for push-pull output mode and a logic-high state ('1' written to the port pin latch) may become forced to a logic-low state if exposed to an overvoltage condition that exceeds the specified limits as posted in the data sheet (see "Absolute Maximum Specifications").• Hardware Erratum H3: The action of enabling the ADC (setting the AD0EN bit in ADC0CN to a '1') or enabling the ADC bias generator (setting the ZTCEN bit in REF0CN to a '1') can cause temporary frequency instability in the Clock Multiplier output. The clocks produced during this period of instability may violate the maximum frequency specification for the system clock, resulting in undefined CPU operation if the Clock Multiplier is selected as the system clock source during this time. The duration of the instability is approximately 1500 ns.• Documentation Erratum D1: The current version of the datasheet (Revision 1.1) lists the accuracy of the temperature sensor as ±3 °C on the first page. This accuracy is only available if firmware performs a one-point calibration of the temperature sensor. Without the one-point calibration, the estimated accuracy of the temperature sensor is ±10 °C. The next revision of the datasheet will be updated to include this information.					
Please see C8051F41x Revision A-F Errata for more detail description, impact, and work around. Please contact your Silicon Labs sales representative if you have questions. A list of Silicon Labs representatives is available at www.silabs.com .					
Product Identification: The following orderable part numbers are affected: C8051F410-GQ C8051F411-GM C8051F412-GQ C8051F413-GM					
Note: The part numbers above include tape and reel variants which are denoted with an "R" at the end of the orderable part number.					
Customer Actions Needed: None. Please see your Silicon Labs sales representatives if you have questions. A list of Silicon Labs representatives is available at www.silabs.com					