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PCN Date: 5/4/2012		Effective Date: 8/8/2012
Title: C8051F52x/3x Datasheet Revision 1.4		
Originator: Dan Lunecki	Phone: 1.512.532.5227	Dept: Product Marketing
Customer Contact: Kathy Haggar	Phone: 1.512.532.5261	Dept: Sales/Customer Service
PCN Type: <input checked="" type="checkbox"/> Datasheet <input type="checkbox"/> Foundry <input type="checkbox"/> Packing <input type="checkbox"/> Product Revision <input type="checkbox"/> Assembly <input type="checkbox"/> Labeling <input type="checkbox"/> Discontinuance <input type="checkbox"/> Test <input type="checkbox"/> Other Last Order Date: N/A		
PCN Details		
Description of Change: <p>Silicon Labs is pleased to announce revision 1.4 Datasheet for the C8051F52x and C8051F53x product families. Revision 1.4 now includes the revision C devices and also contains updated functionality.</p> <p>Major changes are summarized below; a list of all changes can be found in the document change list section of the Datasheet located at www.silabs.com:</p> <ul style="list-style-type: none"> • Updated supply voltage to "2.0 to 5.25 V" on page 1 and in Section 1 on page 13. • Updated minimum Supply Input Voltage (VREGIN) for C8051F52x-C/F53x-C devices in Table 2.2 on page 26 and Table 2.6 on page 31. • Updated digital supply current (IDD and Idle IDD) typical and maximum values for condition 'Clock = 25 MHz' in Table 2.2 on page 26. • Updated IDD Frequency Sensitivity and Idle IDD Frequency Sensitivity values in Table 2.2 on page 26; also updated Figure 2.1 and Figure 2.2 to show the updated slopes. 		
Reason for Change: Addition of revision C information and updated functionality.		
Impact on Form, Fit, Function, Quality, Reliability: There is no impact to form, fit, quality or reliability. Impact to functionality is defined in the datasheet change list.		

Product Identification:

Revision C part numbers have revision added into the ordering part number and have been added to the datasheet. Revision A and B information remains in the datasheet. Orderable part numbers for revision A and B have not changed.

C8051F520-IM	C8051F520A-IM	C8051F520-C-IM	C8051F520-C-AM
C8051F521-IM	C8051F521A-IM	C8051F521-C-IM	C8051F521-C-AM
C8051F527-IM	C8051F523A-IM	C8051F523-C-IM	C8051F523-C-AM
C8051F530-IM	C8051F524A-IM	C8051F524-C-IM	C8051F524-C-AM
C8051F530-IT	C8051F526A-IM	C8051F526-C-IM	C8051F526-C-AM
C8051F531-IM	C8051F527A-IM	C8051F527-C-IM	C8051F527-C-AM
C8051F534-IM	C8051F530A-IM	C8051F530-C-IM	C8051F530-C-AM
C8051F537-IT	C8051F530A-IT	C8051F530-C-IT	C8051F530-C-AT
	C8051F531A-IM	C8051F531-C-IM	C8051F531-C-AM
	C8051F531A-IT	C8051F531-C-IT	C8051F531-C-AT
	C8051F533A-IM	C8051F533-C-IM	C8051F533-C-AM
	C8051F533A-IT	C8051F533-C-IT	C8051F533-C-AT
	C8051F534A-IM	C8051F534-C-IM	C8051F534-C-AM
C8051F524A-AM	C8051F534A-IT	C8051F534-C-IT	C8051F534-C-AT
C8051F530A-AM	C8051F536A-IM	C8051F536-C-IM	C8051F536-C-AM
C8051F531A-AM	C8051F536A-IT	C8051F536-C-IT	C8051F536-C-AT
C8051F530A-AT	C8051F537A-IM	C8051F537-C-IM	C8051F537-C-AM
C8051F531A-AT	C8051F537A-IT	C8051F537-C-IT	C8051F537-C-AT

Note: Affected Part Numbers also include all custom parts made from the above listed base parts as well as tape and reel.

Last Date of Unchanged Product: 8/8/2012

Customer Early Acceptance Sign Off:

Customers may approve early PCN acceptance by completing the information below:

Early Acceptance: Date: _____

 Name: _____

 Company: _____

Email your early Acceptance approval to: katherine.haggard@silabs.com

Qualification Data:

Revision C qualification report is available upon request. Please contact your local Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at www.silabs.com.