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Bulletin Date: 11/16/2016	**Bulletin Effective Date:** 11/16/2016
Title: EFM8SB1 Datasheet update V1.3	
Bulletin Details	
Description: Silicon Labs is pleased to announce version 1.3 of the EFM8SB1 datasheet. The release corresponds to the launch of the EFM8SB1 Automotive grade devices. Summary of changes: - The addition of automotive devices in the product selection table and ordering information. - Addition of AEC-Q100 under the key features and specifications. - Added a table on SMbus timing and operating frequency in master mode. The table details minimum and maximum operating frequency for each class, hold times, start times, clock low and clock high periods, and start and stop conditions. - Added a brief table on the pins used by the bootloader and a reference to AN945 bootloader application note. - Added typical Cyclic Redundancy Check (CRC) Calculation Time for a read or write of a 256 byte block of flash at 24.5 MHz. - Added a note linking to the output low voltage and output high voltage table of the port I/Os to the performance curves. - Added a section describing the typical connection for debugging EFM8SB1. This includes pin sharing techniques of the C2 interface; refer to section 5.2 of the datasheet for more information. - Added Power-On Reset Threshold and Power-On Reset Delay specifications for a finite Vdd value and delay times. - Specified in the UART0 description that it has a single-byte FIFO for transmit and receive. - Added a note on the sleep power mode that entering sleep mode may disconnect the active debug session. - Added a line in the introduction section to mention the reference manual where an individual can find more technical information on registers and blocks.	
Reason: EFM8SB1 v1.3 datasheet release	
Product Identification: EFM8SB10F8A-A-QFN20 EFM8SB10F8A-A-QFN24 EFM8SB10F8A-A-QFN20R EFM8SB10F8A-A-QFN24R EFM8SB10F4G-A-QFN20 EFM8SB10F4G-A-QFN20R EFM8SB10F8A-A-QFN20 EFM8SB10F8A-A-QFN20R EFM8SB10F8A-A-QFN24 EFM8SB10F8A-A-QFN24R	

EFM8SB10F8G-A-CSP16
EFM8SB10F8G-A-CSP16R
EFM8SB10F8G-A-QFN20
EFM8SB10F8G-A-QFN20R
EFM8SB10F8G-A-QFN24
EFM8SB10F8G-A-QFN24R
EFM8SB10F8G-A-QSOP24
EFM8SB10F8G-A-QSOP24R
EFM8SB10F2G-A-QFN20
EFM8SB10F2G-A-QFN20R

This change is considered a minor change which does not affect form, fit, function, quality, or reliability. The information is being provided as a customer courtesy.

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Customer Actions Needed:
Review datasheet release.