17052455 EFM8 BB1 and BB2 Datasheet Bulletin

Bulletin Issue Date: 5/24/2017   **Effective Date:**   5/24/2017

Description of Change

Silicon Labs is pleased to announce version 1.6 of the EFM8BB1 datasheet and version 1.4 of the EFM8BB2 datasheet. The changes to the datasheet are minor and do not affect form, fit, or function.

The changes to the EFM8BB1 datasheet are as follows:
-Updated the wording in the feature list paragraph on page 1 to clarify which packages are offered in commercial grade, industrial grade, and automotive grade.
-The typo when referencing the application note on page 31, section 5.2 has been corrected.

The changes to the EFM8BB2 datasheet are as follows:
-Updated the wording in the feature list paragraph on page 1 to clarify which packages are offered in commercial grade, industrial grade, and automotive grade.
-The typo which incorrectly stated the application note number on page 31, section 5.2 has been corrected.
-Added information in section 3.10 Bootloader, to clarify the pins used.
-Added typical Cyclic Redundancy Check (CRC) Calculation Time for a read or write of a 256 byte block of flash at 49 MHz.
-Added tables 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.

Reason for Change

Datasheet V1.6 release for EFM8BB1 and datasheet V1.4 release for EFM8BB2

Product Identification

```
Existing Part #
EFM8BB10F4A-A-QFN20
EFM8BB10F4A-A-QFN20R
EFM8BB10F4G-A-QFN20
EFM8BB10F4G-A-QFN20R
EFM8BB10F4I-A-QFN20
EFM8BB10F4I-A-QFN20R
EFM8BB10F8A-A-QFN20
EFM8BB10F8A-A-QFN20R
EFM8BB10F8G-A-QFN20
EFM8BB10F8G-A-QFN20R
EFM8BB10F8G-A-SOIC16
EFM8BB10F8G-A-SOIC16R
EFM8BB10F8G-A-QSOP24
EFM8BB10F8G-A-QSOP24R
EFM8BB10F8I-A-QFN20
EFM8BB10F8I-A-QFN20R
EFM8BB10F8I-A-SOIC16
EFM8BB10F8I-A-SOIC16R
EFM8BB10F8I-A-QSOP24
EFM8BB10F8I-A-QSOP24R
EFM8BB21F16A-C-QFN20
EFM8BB21F16A-C-QFN20R
EFM8BB21F16G-C-QFN20
EFM8BB21F16G-C-QFN20R
EFM8BB21F16G-C-QSOP24
EFM8BB21F16G-C-QSOP24R
```

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EFM8BB21F16I-C-QFN20
EFM8BB21F16I-C-QFN20R
EFM8BB21F16I-C-QSOP24
EFM8BB21F16I-C-QSOP24R
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This change is considered a minor change which does not affect form, fit, function, quality, or reliability. The information is being provided as a cusomer courtesy.
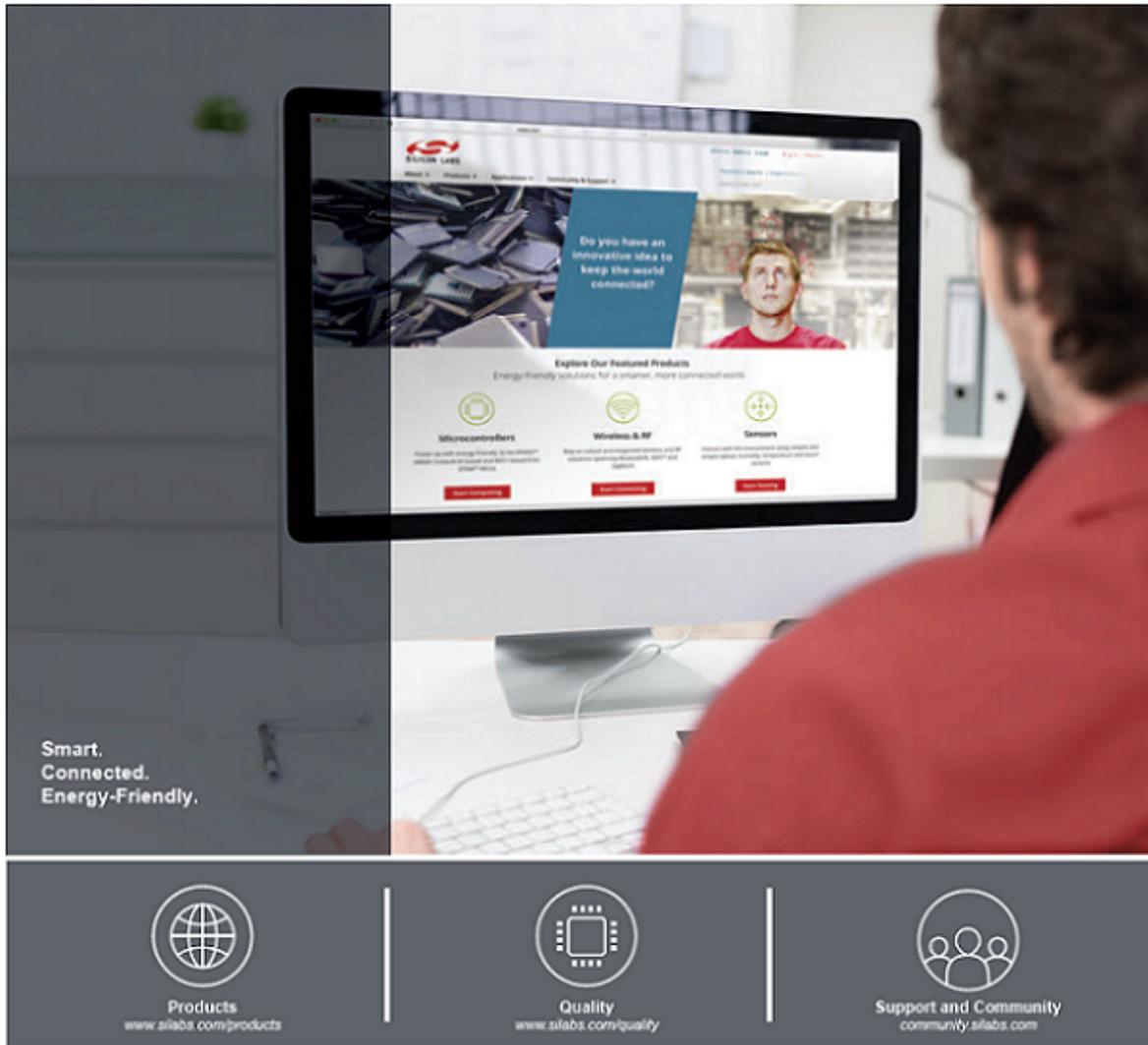
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