



200505774 BGM13P Errata Version 0.3 Release / MGM13P Errata Version 0.3 Release

Bulletin Issue Date: 5/5/2020

Effective Date: 5/5/2020

Description of Change

Silicon Labs is pleased to announce the release of following errata versions for BGM13P and MGM13P devices. These updates add multiple errata items that are listed below and whose details can be found in the updated errata. These updates also add errata item EMU_E220 whose details can be found in the change reason and impact sections.

Release of Version 0.3 of the BGM13P Errata
Release of Version 0.3 of the MGM13P Errata

There is no change to form, fit, quality or reliability. Function is impacted as described below:

When exiting energy mode 2 (EM2) or energy mode 3 (EM3) there will now be a 2.7us increase in the wake up time. This will be implemented in GSDK Version 2.7.4.0 and beyond by updating EMLIB. The impacted functions are EMU_EnterEM2() and EMU_EnterEM3() in em_emu.c as well as CHIP_Init() in em_chip.h.

This workaround is included in em_emu.c in the v2.7.4.0 or later of the Gecko SDK. It is recommended to workaround this issue by using the latest Gecko SDK version

Please contact your local Silicon Labs representative for further information.

Reason for Change

Errata item EMU_E220: Infrequently, when waking from energy mode 2 (EM2) or energy mode 3 (EM3), if using voltage scaling the device will experience a decouple voltage brownout (DECBOB) reset. To prevent this from happening the wake up sequence when exiting EM2 and EM3 when using voltage scaling has been updated.

Other added errata items whose details can be found in the new errata versions are:

LES_E201
Radio_E210
Timer_E202
USART_E204
USART_E205
WTIMER_E201

Product Identification

Existing Part #
BGM13P22F512GA-V2
BGM13P22F512GA-V2R
BGM13P22F512GE-V2
BGM13P22F512GE-V2R
BGM13P32F512GA-V2
BGM13P32F512GA-V2R
BGM13P32F512GE-V2
BGM13P32F512GE-V2R
MGM13P02F512GA-V2
MGM13P02F512GA-V2R
MGM13P02F512GE-V2
MGM13P02F512GE-V2R
MGM13P12F512GA-V2
MGM13P12F512GA-V2R
MGM13P12F512GE-V2

MGM13P12F512GE-V2R

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.

Please contact your local Silicon Labs sales representative with any questions about this notification. A list of Silicon Labs sales representatives may be found at <http://www.silabs.com>.

Customer Actions Needed:

None

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