



200505770 Errata Update EFR32BG12/3, EFR32FG12/3/4, EFR32MG12/3/4, EFM32JG12/PG12

Bulletin Issue Date: 5/5/2020

Effective Date: 5/5/2020

Description of Change

Silicon Labs is pleased to announce the release of the following errata versions for EFR32BG12, EFR32FG12, EFR32MG12, EFR32BG13, EFR32FG13, EFR32MG13, EFR32FG14, EFR32MG14, EFM32PG12 and EFM32JG12 devices. These updated errata add errata item EMU_E220 whose details can be found in the change reason and impact sections.

Release of Version 0.7 of the EFR32BG12 Errata

Release of Version 0.7 of the EFR32FG12 Errata

Release of Version 0.7 of the EFR32MG12 Errata

Release of Version 1 of the EFR32BG13 Errata

Release of Version 0.9 of the EFR32FG13 Errata

Release of Version 1 of the EFR32MG13 Errata

Release of Version 0.5 of the EFR32FG14 Errata

Release of Version 0.6 of the EFR32MG14 Errata

Release of Version 0.6 of the EFM32PG12 Errata

Release of Version 0.6 of the EFM32JG12 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.

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 (DECBOD) reset. To prevent this from happening, the wake up sequence when exiting EM2 and EM3 when using voltage scaling has been updated.

Product Identification

Existing Part

EFM32JG12B500F1024GL125-C
EFR32JG12B500F1024GL125-CR
EFR32JG12B500F1024GM48-C
EFR32JG12B500F1024GM48-CR
EFR32JG12B500F1024IL125-C
EFR32JG12B500F1024IL125-CR
EFR32JG12B500F1024IM48-C
EFR32JG12B500F1024IM48-CR
EFR32PG12B500F1024GL125-C
EFR32PG12B500F1024GL125-CR
EFR32PG12B500F1024GM48-C
EFR32PG12B500F1024GM48-CR
EFR32PG12B500F1024IL125-C
EFR32PG12B500F1024IL125-CR
EFR32PG12B500F1024IM48-C
EFR32PG12B500F1024IM48-CR
EFR32BG12P132F1024GL125-B
EFR32BG12P132F1024GL125-BR

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EFR32BG12P232F1024GL125-BR
EFR32BG12P232F1024GL125-C
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EFR32MG14P733F256IM48-B
EFR32MG14P733F256IM48-BR

Where 'X' denotes a custom part number.

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.

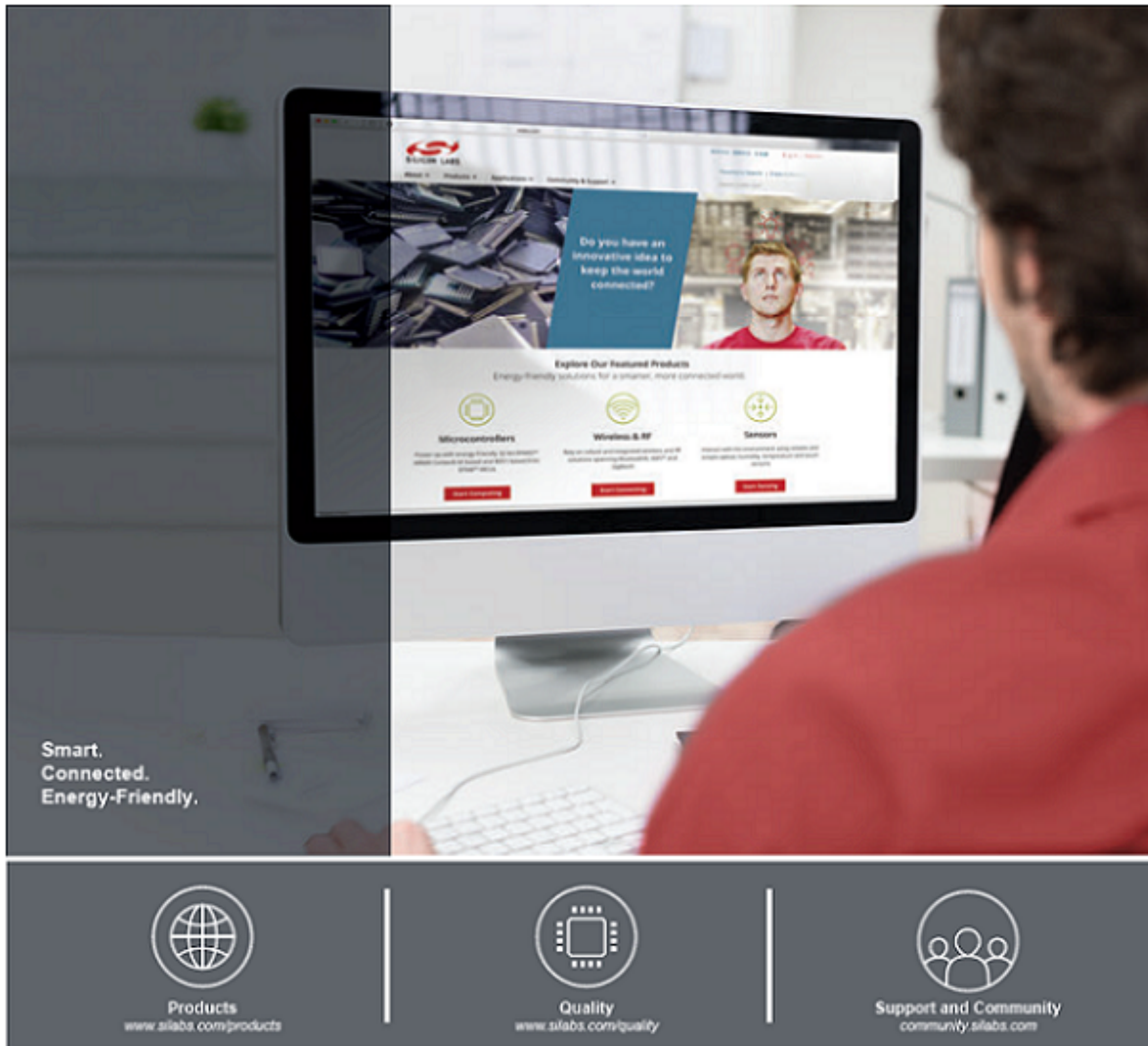
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Customer Actions Needed:

None

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