



201124930 SE Firmware v1.2.6 for xGM210L and xGM210P Modules

Bulletin Issue Date: 11/24/2020

Effective Date: 11/24/2020

Description of Change

Silicon Labs announces Secure Element (SE) firmware version 1.2.6 for the following module families:

- BGM210L and MGM210L (jointly referred to as xGM210L)
- BGM210P and MGM210P (jointly referred to as xGM210P)

Reason for Change

This is a firmware update to address a vulnerability. Details are covered in Security Advisory - A-00000114 and also in Software Advisory - A-00000117.

SE firmware versions 1.2.5 and earlier have the following issue:

A device whose SE firmware has been successfully upgraded at least once can become inoperable if the upgrade file is removed from flash after the upgrade and the device is subjected to a large cumulative number of resets. The exact number of reset cycles before failure varies due to process variations and operating temperature but would typically range between 50,000 and 200,000 cycles. It is imperative that this fix be applied to every device to avoid latent failures.

SE firmware v1.2.6 fixes the issue. Silicon Labs manufacturing production is being updated to apply SE firmware v1.2.6 starting on the effective date above.

Product Identification

Existing Part #
BGM210LA22JIF2
BGM210LA22JIF2R
BGM210LA22JNF2
BGM210LA22JNF2R
BGM210PA22JIA2
BGM210PA22JIA2R
BGM210PA32JIA2
BGM210PA32JIA2R
BGM210PB22JIA2
BGM210PB22JIA2R
BGM210PB32JIA2
BGM210PB32JIA2R
MGM210L022JIF2
MGM210L022JIF2R
MGM210L022JNF2
MGM210L022JNF2R
MGM210LA22JIF2
MGM210LA22JIF2R
MGM210LA22JNF2
MGM210LA22JNF2R
MGM210PA22JIA2
MGM210PA22JIA2R
MGM210PA32JIA2
MGM210PA32JIA2R
MGM210PB22JIA2
MGM210PB22JIA2R
MGM210PB32JIA2
MGM210PB32JIA2R

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.

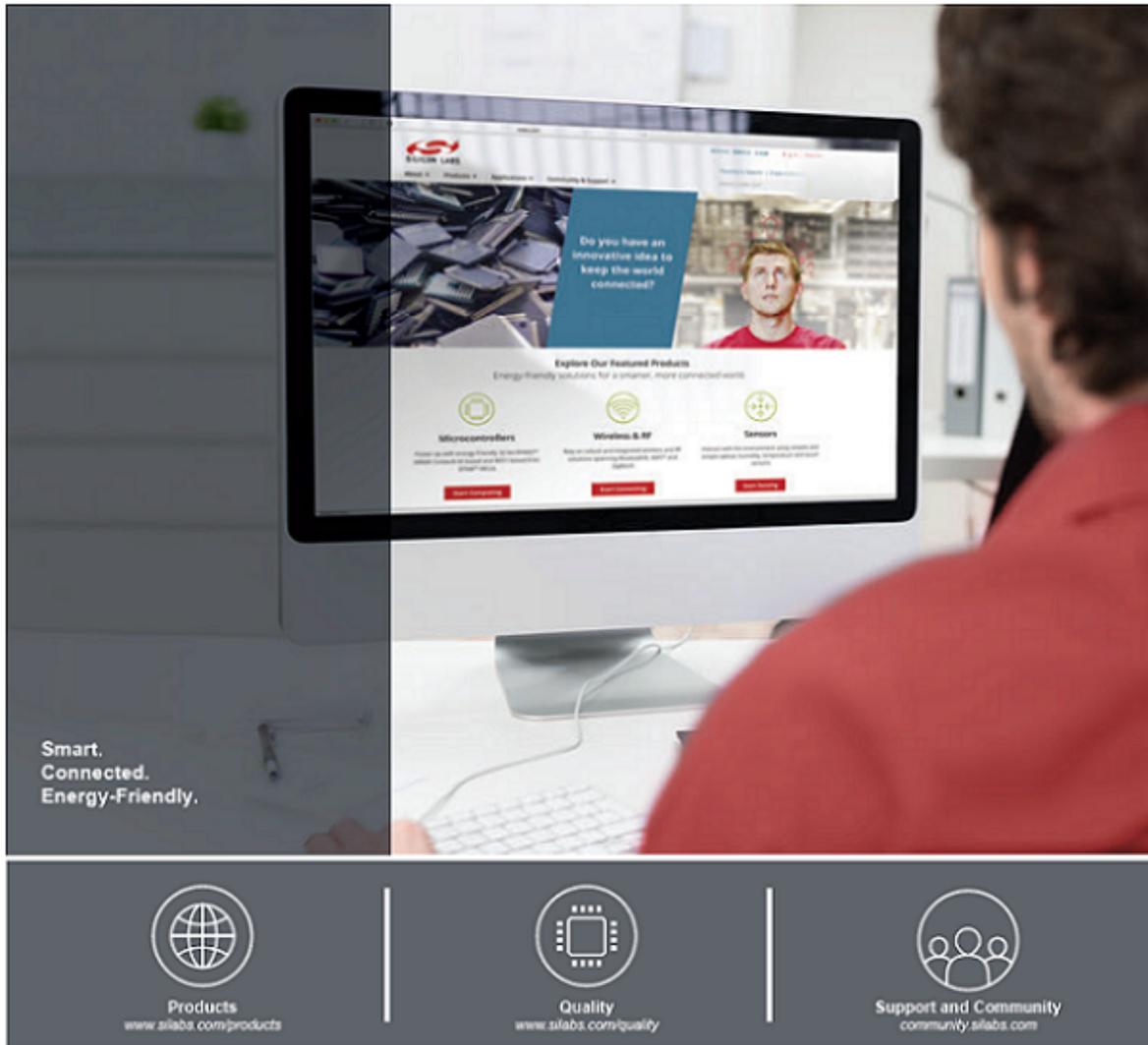
Please contact your local Silicon Labs sales representative with any questions about this notification. A list of Silicon Labs sales representatives may be found at <http://www.silabs.com>.

Customer Actions Needed:

Modules with SE firmware version 1.2.5 or earlier should be updated to firmware version 1.2.6. For more information on identifying the security firmware version of a given device, see AN1222. Firmware updates can be done during the product manufacturing process or via an over the air update for products in the field. For more information on upgrading the SE firmware, see UG266.

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Silicon Laboratories Inc.
400 West Cesar Chavez
Austin, TX 78701

<http://www.silabs.com>