



2406191540 Additional Source for MGM210L Modules, Datasheet, Errata, SE FW Updates

PCN Issue Date: Jun 19, 2024

Effective Date: Sep 25, 2024

PCN Type: Datasheet; Errata; Firmware - Secure Engine Software Catalog OPN; Foundry

Description of Change

Silicon Labs is pleased to announce that the MGM210L Modules will be available with EFR32MG21 rev D ICs manufactured at the Semiconductor Manufacturing International Corporation (SMIC) in addition to the existing MGM210L Modules with ICs from the Taiwan Semiconductor Manufacturing Company (TSMC). This added manufacturing capability is needed to increase capacity to ensure supply continuity due to increased demand for our Wireless SoCs and MCUs.

As of the effective date of this PCN, customers will be able to order two revisions of the MGM210L Module.

1. The existing MGM210L revision "2" which will contain the EFR32MG21 rev B (TSMC)
2. The new MGM210L revision "3" which contains the EFR32MG21 rev D (SMIC)

Silicon Labs will ship both the MGM210L revision "2" and revision "3" modules based on orderable part number (OPN) selected.

The last character of the OPN represents the revision of the module.

Silicon Labs is also announcing an upgrade to the Secure Engine firmware version from 1.2.13 to 1.2.16 for MGM210L revision 2 modules.

Updated datasheet:
MGM210L v1.5: <https://www.silabs.com/documents/public/data-sheets/mgm210l-datasheet.pdf>

The main changes:
• Added all Revision 3 OPNs.

Please refer to the datasheet revision history for a complete list of changes.

The Secure Engine firmware release notes can be found here:
https://github.com/SiliconLabs/gecko_sdk/blob/gsdk_4.1/util/se_release/public/s2c1_se_fw_release_notes.pdf

Updated errata:
MGM210L v0.4: <https://www.silabs.com/documents/public/errata/mgm210l-errata.pdf>
• Updated to module revision 3.
• Added IADC_E307 (Immediate Conversion When Enabling IADC Configured for PRS Trigger).

Reason for Change

Alternate foundry for capacity expansion.

Impact on Form, Fit, Function, Quality, Reliability

No impact on form, fit, quality or reliability. Impact on function will be explained in errata and an update to the new software that will need to be ported which is explained in the application note "AN1377: EFR32xG21 Revision B to Revision C+ Compatibility and Migration Guide" available at: <https://www.silabs.com/documents/public/application-notes/an1377-xg21-revb-to-revc-migration.pdf>

Product Identification

Revision 2 (TSMC) and 3 (SMIC) will both be available for order.

Existing Part #
MGM210LA22JIF2
MGM210LA22JIF2R

MGM210LA22JNF2
MGM210LA22JNF2R
MGM210LA22JIF3
MGM210LA22JIF3R
MGM210LA22JNF3
MGM210LA22JNF3R

Last Date of Unchanged Product: Sep 25, 2024

Qualification Samples

Available upon request.

Customer Response

Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change, Ref. JEDEC-J-STD-046.

To request further data or inquire about this notification, please contact your Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at <http://www.silabs.com>.

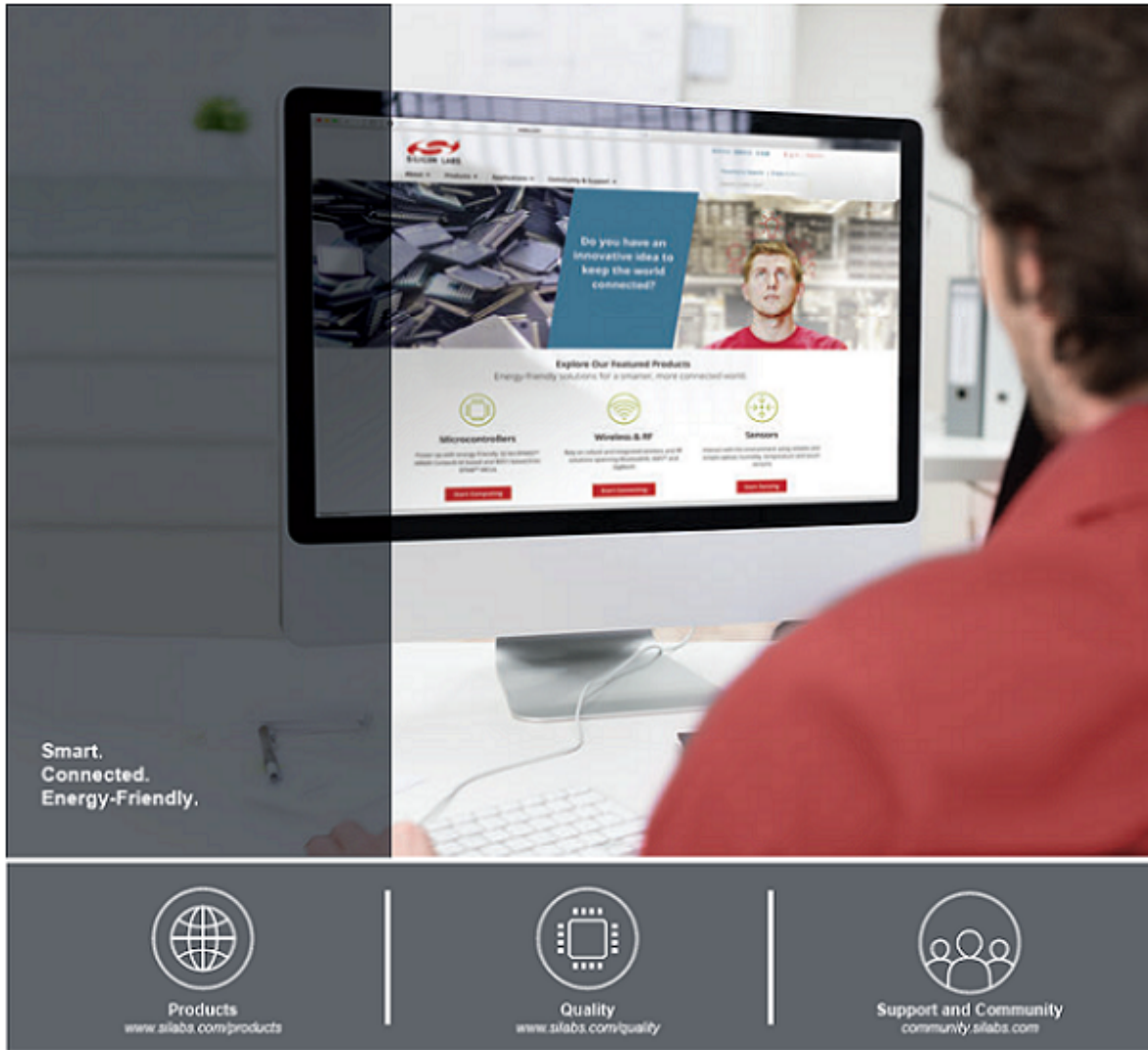
Customers may approve early PCN acceptance by emailing approval, along with PCN # to PCN@silabs.com

User Registration

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Qualification Data

See attached.



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