



200211724 Data Sheet Rev. 1.4 and Errata Rev. 0.2 for MGM12P Modules

PCN Issue Date: 2/11/2020

Effective Date: 5/15/2020

PCN Type: Datasheet; Errata

Description of Change

Silicon Labs is pleased to announce the release of data sheet revision 1.4 for MGM12P modules.

Compared to 1.3, revision 1.4 includes the following changes:

- Front page block diagram correction: LETIMER lowest power mode changed from EM2 to EM3
- Added EM3 to list of supported energy modes in 3.6.4 Low Energy Timer (LETIMER)
- Added note on supported operating voltage settings in 3.8.3 True Random Number Generator (TRNG)
- Corrected max input RF level in Table 4.1. Absolute Maximum Ratings from +10dBm to -2dBm
- Updated package outline dimensions and tolerances in Figures 9.1 and 9.2 on page 86
- Renamed figures in section 9.1 MGM12P Package Outline
- Renamed section 9.1 MGM12P Dimensions to 9.1 MGM12P Package Outline
- Removed MGM12P Module Footprint section and added Figure 9.3 on page 87

The max input RF level change in Table 4.1 corresponds to an editing oversight correction in the data sheet and not a physical or performance-related modification altering device functionality.

Silicon Labs is also pleased to announce the release of errata revision 0.2 for MGM12P modules.

Compared to 0.1, revision 0.2 includes the following changes:

- Updated workaround for erratum RMU_E202
- Added errata CSEN_E201, CSEN_E202, I2C_E202, I2C_E203, I2C_E205, I2C_E206, LES_E201, RADIO_E210, TIMER_E202, USART_E203, USART_E204, USART_E205, and WTIMER_E201
- Migrated to new document format

Reason for Change

Data sheet update to version 1.4

Impact on Form, Fit, Function, Quality, Reliability

Fit is minimally impacted by the updated package outline dimensions and tolerances in data sheet rev. 1.4. Function is impacted by the new Errata listed in revision 0.2. There is no impact on form, quality or reliability.

Product Identification

Existing Part #
MGM12P32F1024GA-V4
MGM12P32F1024GA-V4R
MGM12P32F1024GE-V4
MGM12P32F1024GE-V4R
MGM12P22F1024GA-V4
MGM12P22F1024GA-V4R
MGM12P22F1024GE-V4
MGM12P22F1024GE-V4R
MGM12P02F1024GA-V4

MGM12P02F1024GA-V4R
MGM12P02F1024GE-V4
MGM12P02F1024GE-V4R

Last Date of Unchanged Product: 5/15/2020

Qualification Samples

N/A

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 PCNEarlyAcceptance@silabs.com

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Qualification Data

N/A



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