



2210121345 MGM12P Datasheet v1.5 and Marking Update

PCN Issue Date: Oct 12, 2022

Effective Date: Jan 18, 2023

PCN Type: Assembly; Datasheet

Description of Change

Silicon Labs is pleased to announce the release of datasheet revision 1.5 for MGM12P modules.

Notable changes from previous revision are:

- Removed BIASPROG = 1, FULLBIAS = 0 specifications from Table 4.24 Analog Comparator (ACMP) on page 37. This is being done to maximize manufacturing yields and supply more parts.
- Updated Hysteresis max values in Table 4.24 Analog Comparator (ACMP) on page 37. This change aligns the hysteresis max values with other similar devices in our product portfolio to optimize manufacturing yields and allow for a better supply of parts.
- Removed all references to RFSENSE. This is a feature that we have found that our customers are not using, and removing this reference helps to maximize the manufacturing yields that should allow for a better supply of parts.
- Updated 9.3 MGM12P Package Marking.
- Updated 12.1 CE and UKCA - EU and UK.

Changes will be effective at the effectivity date of this PCN. Datasheets will be updated in advance of the PCN to allow for customer review of the changes.

Silicon Labs announces marking update for new regulatory certification/compliance in UK for MGM12P02 and MGM12P22 variants. Silicon Labs will add the new UKCA marking on the affected OPNs in order to meet the UK regulatory certification/compliance deadline of 12/31/2022.

Link to datasheet: <https://www.silabs.com/documents/public/data-sheets/mgm12p-datasheet.pdf>

Reason for Change

Improve our production capability and marking update to add new certification logo.

Impact on Form, Fit, Function, Quality, Reliability

There is no change in fit, quality and reliability. Form and functionality are impacted as listed in change description.

Product Identification

This notification includes both standard and customer-specific part numbers. An asterisk * represents a number or letter (one or more) in a customer-specific part number.

Existing Part #
MGM12P02F1024GA-V4
MGM12P02F1024GA-V4R
MGM12P02F1024GE-V4
MGM12P02F1024GE-V4R
MGM12P22F1024GA-V4
MGM12P22F1024GA-V4R
MGM12P22F1024GE-V4
MGM12P22F1024GE-V4R
MGM12P22P*GA-V4
MGM12P22P*GA-V4R
MGM12P32F1024GA-V4
MGM12P32F1024GA-V4R
MGM12P32F1024GE-V4
MGM12P32F1024GE-V4R

Last Date of Unchanged Product: Jan 18, 2023

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>.

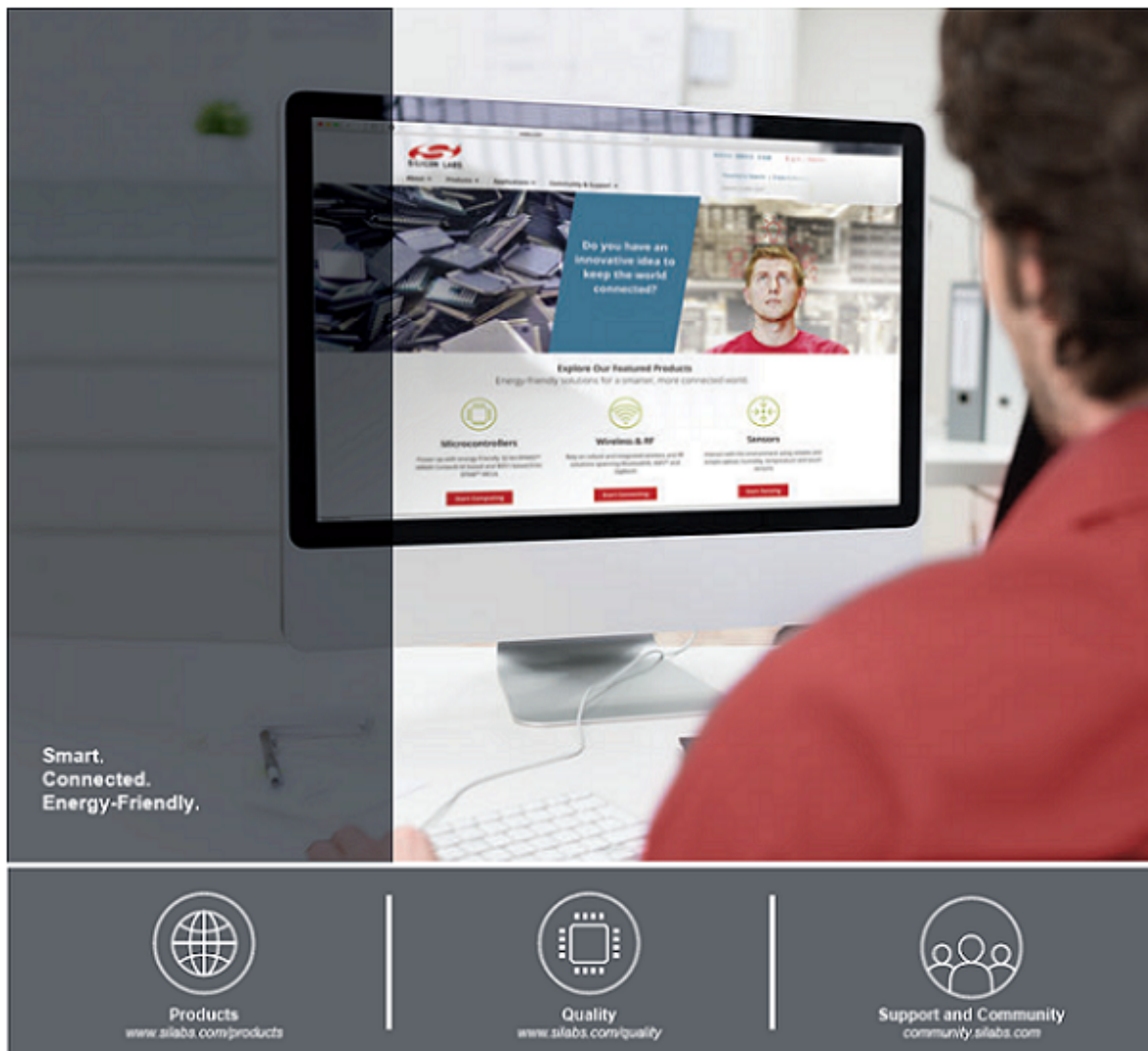
Customers may approve early PCN acceptance by emailing approval, along with PCN # to PCNEarlyAcceptance@silabs.com

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Qualification Data

N/A



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

<http://www.silabs.com>