



2210121347 xGM111, BGM113, BGM11S, BGM12x Datasheet 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 the following datasheet revisions:

- BGM111 v1.8 Datasheet
- BGM111E v1.4 Datasheet
- MGM111 v1.1 Datasheet
- BGM113 v1.2 Datasheet
- BGM11S v1.4 Datasheet
- BGM121/BGM123 v1.5 Datasheet

Notable changes from previous revision are:

- Removed BIASPROG = 1, FULLBIAS = 0 specifications from 4.1.15 Analog Comparator (ACMP). This is being done to maximize manufacturing yields and supply more 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 11.2 CE and UKCA - EU and UK. (11.4 on MGM111)

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 the UK for xGM111 and BGM113 PCB modules. 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.

Links to datasheets:

BGM111: https://www.silabs.com/documents/public/data-sheets/BGM111_datasheet.pdf

BGM111E: <https://www.silabs.com/documents/public/data-sheets/bgm111e-datasheet.pdf>

MGM111: https://www.silabs.com/documents/public/data-sheets/MGM111_DataSheet.pdf

BGM113: <https://www.silabs.com/documents/public/data-sheets/bgm113-datasheet.pdf>

BGM11S: <https://www.silabs.com/documents/public/data-sheets/bgm11s-datasheet.pdf>

BGM121/BGM123: <https://www.silabs.com/documents/public/data-sheets/bgm12x-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 #
BGM11S12F256GA-B*
BGM11S12F256GA-V2
BGM11S12F256GA-V2R
BGM11S22F256GA-V2
BGM11S22F256GA-V2R
BGM11A2-V2-P*

BGM111A256V2
BGM111A256V2P*
BGM111A256V2R
BGM111A256V21
BGM111A256V21R
BGM111E2-V2-P*
BGM111E2V2P*
BGM111E256V2
BGM111E256V2R
BGM113A2-V2-P*
BGM113A256V2
BGM113A256V2R
BGM113A256V21
BGM113A256V21R
BGM121A256V2
BGM121A256V2R
BGM121N256V2
BGM121N256V2R
BGM121P*GA
BGM121P*GAR
BGM123A256V2
BGM123A256V2R
BGM123N256V2
BGM123N256V2R
BM11S12P*GA
BM11S12P*GAR
BM11S22P*GA
BM11S22P*GAR
MGM111A256V2
MGM111A256V2R
MGM111E256V2
MGM111E256V2R

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

User Registration

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Qualification Data

N/A



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