

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 BGM115: 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 BGM111A2-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.

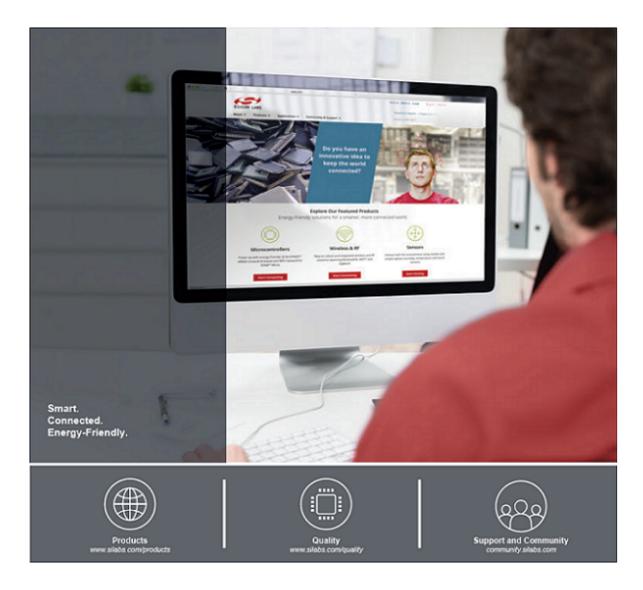
Customers may approve early PCN acceptance by emailing approval, along with PCN # to PCNEarlyAcceptance@silabs.com

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Qualification Data

N/A



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