



# 2105111044 MGM13S and BGM13S v1.2 Datasheet Release

**PCN Issue Date:** May 11, 2021

**Effective Date:** Aug 17, 2021

**PCN Type:** Datasheet

## Description of Change

Silicon Labs is pleased to announce the release of the following datasheet versions for MGM13S and BGM13S modules:  
MGM13S Datasheet Release v1.2  
BGM13S Datasheet Release v1.2

## Reason for Change

Changes in MGM13S Datasheet Revision v1.2

- In the front page block diagram, updated the lowest energy mode for LETIMER.
- Updated 3.6.4 Low Energy Timer (LETIMER) lowest energy mode.
- Changed "BLE" to "Bluetooth Low Energy" and "Bluetooth 5.0 LE" to "Bluetooth 5" throughout.
- Updated 5.1 Typical MGM13S Connections with additional notes regarding power supply and reset recommendations. Added external antenna configurations and added reference to AN0016.1.
- Added reference to AN1223 and updated 10.1 Soldering Recommendations section.
- Added reference to AN1048 in 11. Certifications section.
- Corrected Korean package marking in MGM13S Package Marking table.

Changes in BGM13S Datasheet Revision v1.2

- In the front page block diagram, updated the lowest energy mode for LETIMER.
- Updated 3.6.4 Low Energy Timer (LETIMER) lowest energy mode.
- Corrected factory Gecko bootloader SDK version and bootloader pin functionality 7.2 GPIO Functionality Table; 7.3 Alternate Functionality Overview.
- Changed "Bluetooth 5.0 LE" to "Bluetooth 5" throughout.
- Updated 5.1 Typical BGM13S Connections with additional external antenna configuration and added reference to AN0016.1.
- Added reference to AN1223 and updated 10.1 Soldering Recommendations section.
- Added reference to AN1048 in 11. Certifications section.
- Corrected Korean package marking in BGM13S Package Marking table.

## Impact on Form, Fit, Function, Quality, Reliability

No impact on fit, function, quality or reliability. Form is impacted as described in the Change Reason section.

## Product Identification

Existing Part #  
BGM13S22F512GA-V3  
BGM13S22F512GA-V3R  
BGM13S22F512GN-V3  
BGM13S22F512GN-V3R  
BGM13S32F512GA-V3  
BGM13S32F512GA-V3R  
BGM13S32F512GN-V3  
BGM13S32F512GN-V3R  
BGM13S32P\*GA-V3  
BGM13S32P\*GA-V3R  
MGM13S02F512GA-V3  
MGM13S02F512GA-V3R  
MGM13S02F512GN-V3  
MGM13S02F512GN-V3R  
MGM13S12F512GA-V3

MGM13S12F512GA-V3R  
MGM13S12F512GN-V3  
MGM13S12F512GN-V3R

**Last Date of Unchanged Product:** Aug 17, 2021

### 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](mailto:PCNEarlyAcceptance@silabs.com)

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### Qualification Data

N/A



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