

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.

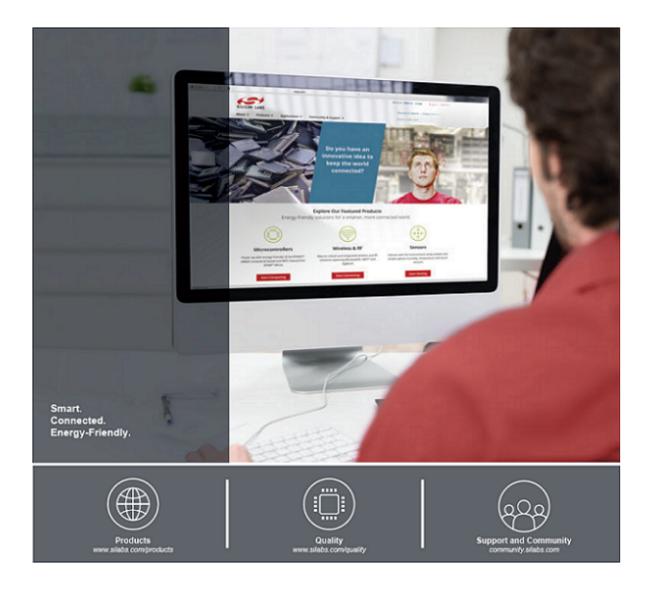
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Qualification Data

N/A



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