



# 200211720 Data Sheet Rev. 1.0 Product Revision and Marking Update xGM210P Modules

**PRCN Issue Date:** 2/11/2020

**Effective Date:** 5/15/2020

**PCN Type:** Datasheet; Product Revision

## Description of Change

Silicon Labs is pleased to announce the release of data sheet revision 1.0 for MGM210P and for BGM210P modules (jointly referred to as xGM210P).

Compared to 0.5, revision 1.0 includes the following changes:

- Corrected front page block diagram
- Removed xGM210P0xxxxxx part numbers from Ordering Information table
- Added wording to 3. System Overview about antenna diversity support and DECOUPLE pin
- Corrected operating voltage range lower limit in 4. Electrical Specifications (from 1.8 to 1.71 V)
- Resolved remaining TBD entries in 4. Electrical Specifications
- Updated schematics in 5. Reference Diagrams
- Added notes and DECOUPLE pin description in Pin Definitions table (Table 6.1)
- Corrected layout guideline for external antenna use case in 7. Design Guidelines
- Added sections on Reset, Debug, and Packet Trace Interface (PTI) in 7. Design Guidelines
- Renamed section and figures in 8. Package Specifications
- Updated package outline drawing (POD) dimensions and tolerances in 8.1 Package Outline
- New certifications for Japan and South Korea in 11. Certifications

Please refer to 12. Revision History in the data sheets for a more detailed list of changes.

Silicon Labs is also pleased to introduce a new revision of xGM210P modules.

Production-level MGM210Pax2JIA2 and BGM210Pax2JIA2 devices with full regulatory certifications are now available to replace the previous engineering-level MGM210P0x2JIA2 and BGM210P0x2JIA2 devices. The latter will be transitioning into an End of Life (EOL) status and are no longer recommended for new designs. Part numbers for xGM210P0x2JIA2 modules have been eliminated from the Ordering Information Table in data sheet v1.0.

Note: After the effective date of the PRCN, Silicon Labs reserves the right not to accept orders for the old revision.

## Reason for Change

Product revision and data sheet update to version 1.0

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

Function is impacted by pin 11 description change to "Do Not Connect"; it requires pin to be disconnected in customer application board. Fit may be minimally impacted by package outline dimensions updated in data sheet v1.0. There is no impact on Form, Quality or Reliability.

## Product Identification

Existing Part #	Replacement Part #	DropInCompInd.
BGM210P022JIA2	BGM210PA22JIA2	Yes

BGM210P022JIA2R	BGM210PA22JIA2R	Yes
BGM210P032JIA2	BGM210PA32JIA2	Yes
BGM210P032JIA2R	BGM210PA32JIA2R	Yes
MGM210PA22JIA2	MGM210PA22JIA2	Yes
MGM210PA22JIA2R	MGM210PA22JIA2R	Yes
MGM210PA32JIA2	MGM210PA32JIA2	Yes
MGM210PA32JIA2R	MGM210PA32JIA2R	Yes

**Last Date of Unchanged Product:** 5/15/2020

### Qualification Samples

Available upon request

### 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

Available upon request



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