



2406261560 Datasheet Release v1.4 for xGM210P and v1.3 for BGM210L Modules

PCN Issue Date: Jun 26, 2024

Effective Date: Oct 02, 2024

PCN Type: Datasheet

Description of Change

Silicon Labs is pleased to announce the release of datasheet version 1.4 for BGM210P and MGM210P modules (jointly referred to as xGM210P) and version 1.3 for BGM210L modules.

Links to datasheets:

BGM210P: <https://www.silabs.com/documents/public/data-sheets/bgm210p-datasheet.pdf>

MGM210P: <https://www.silabs.com/documents/public/data-sheets/mgm210p-datasheet.pdf>

BGM210L: <https://www.silabs.com/documents/public/data-sheets/bgm210l-datasheet.pdf>

Reason for Change

Common Notable changes for BGM210L v1.3, BGM210P v1.4 and MGM210P v1.4 are:

- Changed mentions of "Secure Element" to "Secure Engine".
- Updated ordering information: Changed Bluetooth version from 5.3 to 5.x and added note regarding Bluetooth 5.x support.
- Absolute Maximum Ratings: Added "DC voltage on RESETn pin" specification and added note regarding RESETn pin's pullup to VDD.
- Updated General Operating Conditions: Added External Clock Input and DPLL Reference Clock maximum specifications.
- Changed symbol SAT to RXSAT in RF Receiver Characteristics for Bluetooth Low Energy at 1 Mbps
- Updated Bluetooth Qualification information.

Changes specific to BGM210L v1.3

- Updated China (SRRC), Japan (MIC) and Israel (MOC) chapters improved; Jordan, Singapore, United Arab Emirates, Saudi Arabia chapter removed

Changes Specific BGM210P v1.4 and MGM210P v1.4 are:

- Removed reference to EFR32BG21B and EFR32MG21B Data Sheet.
- Updated general Operating Conditions: Removed Min and Max from HCLK Radio frequency.
- Added footnote about external capacitance to GAIN = 2 in Low Frequency Crystal Oscillator
- GPIO Pins:
 - Updated test condition for VOL and VOH from "IOVDD = 1.62 V" to "IOVDD = 1.71 V"
 - Added "RESETn low time to ensure pin reset" specification.
- GPIO Alternate Function Table: Added VREFP pin

Impact on Form, Fit, Function, Quality, Reliability

None.

Product Identification

Existing Part #

BGM210LA22JIF2

BGM210LA22JIF2R

BGM210LA22JNF2

BGM210LA22JNF2R

BGM210PA22JIA2

BGM210PA22JIA2R

BGM210PA32JIA2

BGM210PA32JIA2R

BGM210PB22JIA2

BGM210PB22JIA2R

BGM210PB32JIA2

BGM210PB32JIA2R
BGM210PBPRD1A2
BGM210PBPRD1A2R
MGM210PA22JIA2
MGM210PA22JIA2R
MGM210PA32JIA2
MGM210PA32JIA2R
MGM210PB22JIA2
MGM210PB22JIA2R
MGM210PB32JIA2
MGM210PB32JIA2R
MM21PA3IP1612A2
MM21PA3IP1612A2R
MM21PA3IP1613A2
MM21PA3IP1613A2R
MM21PA3IPZ095A2
MM21PA3IPZ095A2R

Last Date of Unchanged Product: Oct 02, 2024

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>.

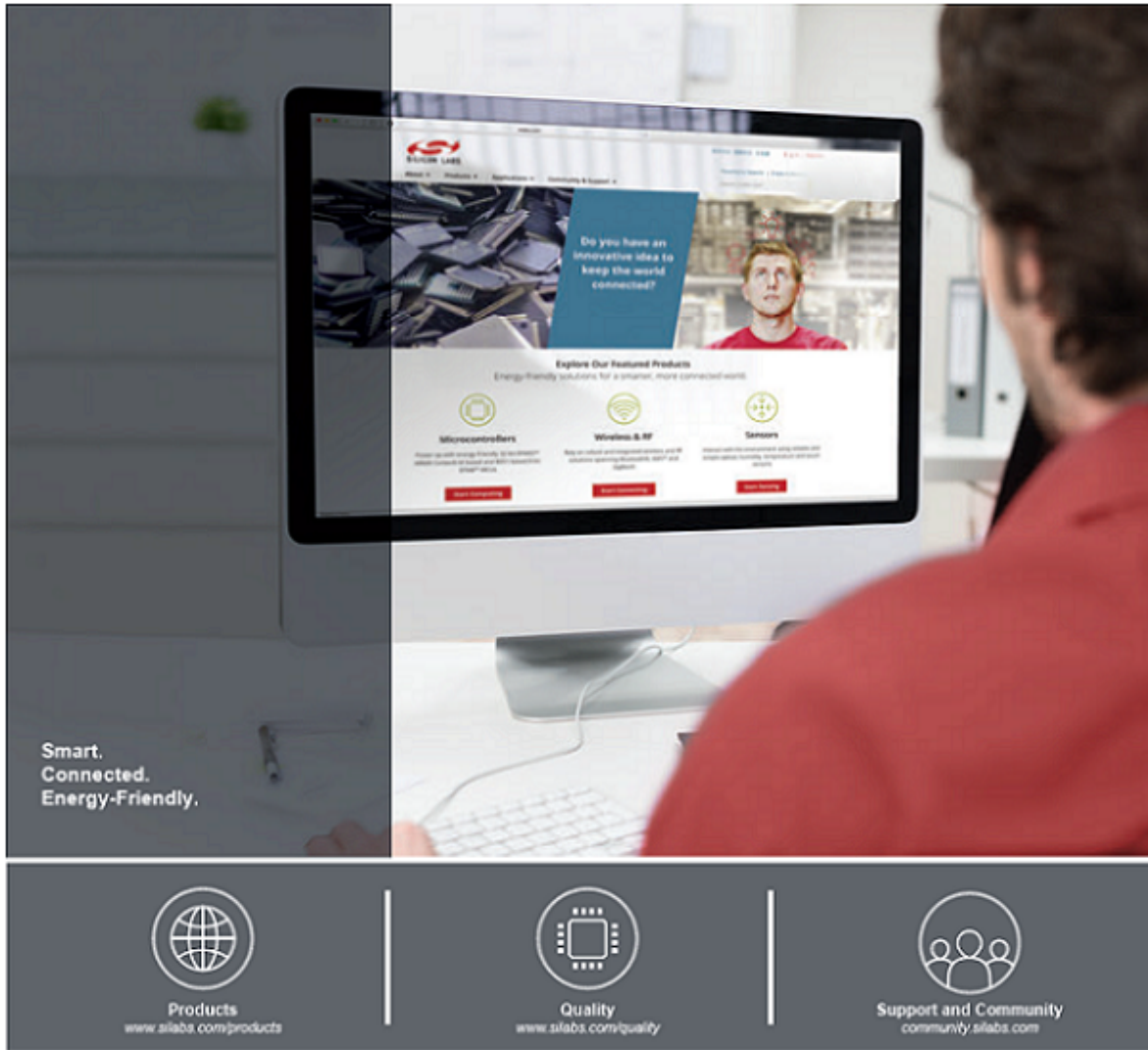
Customers may approve early PCN acceptance by emailing approval, along with PCN # to PCN@silabs.com

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Qualification Data

N/A



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