



201027920 xGM210P Modules Data Sheet Rev. 1.1 and Errata Rev. 0.2 Release

Bulletin Issue Date: 10/27/2020

Effective Date: 10/27/2020

Description of Change

Silicon Labs is pleased to announce the release of Data Sheet Rev. 1.1 and of Errata Rev. 0.2 for MGM210P and BGM210P modules (jointly referred to as xGM210P).

Reason for Change

Compared to Rev 1.0, changes in Data Sheet Rev 1.1 include:

- Updated security wording and block diagram in Front Page
- Updated list of security features and corrected number of 16-bit Timer/Counter from 2x to 3x in Features
- New xGM210PB part numbers in Ordering Information
- New Security section in System Overview
- Updated Reference Diagrams with relevant labels and references to enable VCOM
- New DECOUPLE pin footnote in Module Pin Definitions table
- New package marking figures for xGM210PB part numbers and removal of marking figures for xGM210P0 part numbers
- Pin 1 orientation clarification and new Moisture Sensitivity Level section in Tape & Reel
- New Bluetooth Qualification section in Certifications

Refer to each data sheet's Revision History for the complete list of changes.

Compared to Rev 0.1, changes in Errata Rev 0.2 include:

- Added I2C_E303 — I2C Fails to Indicate new Incoming Data
- Added USART_E301 — Possible Data Transmission on Wrong Edge in Synchronous Mode
- Added USART_E302 — Additional SCLK Pulses Can Be Generated in USART Synchronous Mode
- Added WDOG_E301 — Clear Command is Lost Upon EM2 Entry
- Removed RADIO_E301 — Improper TX and RX Operation at High Temperature

Product Identification

Existing Part #
BGM210PA22JIA2
BGM210PA22JIA2R
BGM210PA32JIA2
BGM210PA32JIA2R
BGM210PB22JIA2
BGM210PB22JIA2R
BGM210PB32JIA2
BGM210PB32JIA2R
MGM210PA22JIA2
MGM210PA22JIA2R
MGM210PA32JIA2
MGM210PA32JIA2R
MGM210PB22JIA2
MGM210PB22JIA2R
MGM210PB32JIA2
MGM210PB32JIA2R

This change is considered a minor change which does not affect form, fit, function, quality, or reliability. The information is being provided as a customer courtesy.

Please contact your local Silicon Labs sales representative with any questions about this notification. A list of Silicon Labs sales representatives may be found at <http://www.silabs.com>.

Customer Actions Needed:

None

User Registration

Register today to create your account on Silabs.com. Your personalized profile allows you to receive technical document updates, new product announcements, "how-to" and design documents, product change notices (PCN) and other valuable content available only to registered users. <http://www.silabs.com/profile>



Disclaimer

Silicon Labs intends to provide customers with the latest, accurate, and in-depth documentation of all peripherals and modules available for system and software implementers using or intending to use the Silicon Labs products. Characterization data, available modules and peripherals, memory sizes and memory addresses refer to each specific device, and "Typical" parameters provided can and do vary in different applications. Application examples described herein are for illustrative purposes only. Silicon Labs reserves the right to make changes without further notice and limitation to product information, specifications, and descriptions herein, and does not give warranties as to the accuracy or completeness of the included information. Silicon Labs shall have no liability for the consequences of use of the information supplied herein. This document does not imply or express copyright licenses granted hereunder to design or fabricate any integrated circuits. The products are not designed or authorized to be used within any Life Support System without the specific written consent of Silicon Labs. A "Life Support System" is any product or system intended to support or sustain life and/or health, which, if it fails, can be reasonably expected to result in significant personal injury or death. Silicon Labs products are not designed or authorized for military applications. Silicon Labs products shall under no circumstances be used in weapons of mass destruction including (but not limited to) nuclear, biological or chemical weapons, or missiles capable of delivering such weapons.

Trademark Information

Silicon Laboratories Inc.®, Silicon Laboratories®, Silicon Labs®, SiLabs® and the Silicon Labs logo®, Bluegiga®, Bluegiga Logo®, Clockbuilder®, CMEMS®, DSPLL®, EFM®, EFM32®, EFR, Ember®, Energy Micro, Energy Micro logo and combinations thereof, "the world's most energy friendly microcontrollers", Ember®, EZLink®, EZRadio®, EZRadioPRO®, Gecko®, ISOModem®, Micrium, Precision32®, ProSLIC®, Simplicity Studio®, SiPHY®, Telegesis, the Telegesis Logo®, USBXpress®, Zentri and others are trademarks or registered trademarks of Silicon Labs. ARM, CORTEX, Cortex-M3 and THUMB are trademarks or registered trademarks of ARM Holdings. Keil is a registered trademark of ARM Limited. All other products or brand names mentioned herein are trademarks of their respective holders.



Silicon Laboratories Inc.
400 West Cesar Chavez
Austin, TX 78701

<http://www.silabs.com>