



2208101323 EFM32JG12/PG12 Datasheet v1.3

PCN Issue Date: Aug 10, 2022

Effective Date: Nov 16, 2022

PCN Type: Datasheet

Description of Change

Silicon Labs is pleased to announce Data Sheet version 1.3 for EFM32JG12/PG12 families.

Notable changes from previous revisions are:

- Updated Real Time Counter and Calendar (RTCC) to remove AUXHFRCO as a clock source.
- Removed BIASPROG = 1, FULLBIAS = 0 specifications from Analog Comparator (ACMP) Table.
- Added HFSRCCLK frequency - General Operating Conditions.
- Added timing specifications for RESETn low time and clarified VIL and VIH logic levels for RESETn pins - General-Purpose I/O (GPIO).
- Added SPI Master Timing Diagram (SMSDELAY = 1).
- Added a note on BGA125 and QFN48 PCB Land Pattern Dimensions.
- Updated Hysteresis max values - Analog Comparator (ACMP).
- Updated note - Operational Amplifier (OPAMP) specification table.

Please refer to the datasheet revision history for a complete list of changes.

Link to datasheets:

<https://www.silabs.com/documents/public/data-sheets/efm32jg12-datasheet.pdf>

<https://www.silabs.com/documents/public/data-sheets/efm32pg12-datasheet.pdf>

Reason for Change

Improve our production capability

Impact on Form, Fit, Function, Quality, Reliability

There is no change in form, fit, quality and reliability. Functionality is changed as described in description section.

Product Identification

Existing Part #

EFM32JG12B500F1024GL125-C
EFM32JG12B500F1024GL125-CR
EFM32JG12B500F1024GM48-C
EFM32JG12B500F1024GM48-CR
EFM32JG12B500F1024IL125-C
EFM32JG12B500F1024IL125-CR
EFM32JG12B500F1024IM48-C
EFM32JG12B500F1024IM48-CR
EFM32PG12B500F1024GL125-C
EFM32PG12B500F1024GL125-CR
EFM32PG12B500F1024GM48-C
EFM32PG12B500F1024GM48-CR
EFM32PG12B500F1024IL125-C
EFM32PG12B500F1024IL125-CR
EFM32PG12B500F1024IM48-C
EFM32PG12B500F1024IM48-CR

Last Date of Unchanged Product: Nov 16, 2022

Qualification Samples

NA

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

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Qualification Data

NA



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