



190617549 EFR32MG13, EFR32BG13 & EFR32FG13 Rev D Now Available

PRCN Issue Date: 6/17/2019

Effective Date: 9/23/2019

PCN Type: Product Revision

Description of Change

Silicon Labs is pleased to announce Revision D for EFR32MG13 Mighty Gecko Multi-Protocol, EFR32BG13 Blue Gecko Bluetooth® Low Energy and EFR32FG13 Flex Gecko Proprietary Wireless SoC families. The new revision includes pin-compatible replacements for the previous revision devices. The Data Sheet is revised to version 1.4. The Errata is revised to version 0.7 for EFR32FG13 and to version 0.8 for EFR32BG13/MG13.

Rev D re-introduces the Precision Low Frequency RC Oscillator (PLFRCO). PLFRCO is an on-chip oscillator that eliminates the need for an external 32 KHz crystal typically required for Bluetooth low energy devices.

After the effective date of the PRCN, Silicon Labs reserves the right to deliver product revision D for customers ordering product revision C.

Errata Version 0.7/0.8 removes the following Errata items:

- TRNG_E202: Standards Non-compliance
- USART_E203: DMA Can Miss USART Receive Data in Synchronous Mode

PLFRCO and TRNG support is enabled from Gecko SDK 2.6.0. Customers wanting to enable PLFRCO or use TRNG must order EFR32xG13 Revision D and use those in conjunction with Gecko SDK 2.6.0 or later.

Reason for Change

Rev D fixes errata in Rev C and re-introduces the PLFRCO feature for BLE customers

Impact on Form, Fit, Function, Quality, Reliability

Revision D has no change to Form, Fit, Quality, Reliability of the Revision C devices. The only change to function is the addition of PLFRCO. All specifications (with the exception of PLFRCO) in the rev1.4 datasheet are the same as in rev1.3.

Product Identification

Existing Part #	Replacement Part #	DropInCompInd.
EFR32BG13P532F512GM32-C	EFR32BG13P532F512GM32-D	Yes
EFR32BG13P532F512GM48-C	EFR32BG13P532F512GM48-D	Yes
EFR32BG13P632F512GM32-C	EFR32BG13P632F512GM32-D	Yes
EFR32BG13P632F512GM48-C	EFR32BG13P632F512GM48-D	Yes
EFR32BG13P632F512IM32-C	EFR32BG13P632F512IM32-D	Yes
EFR32BG13P632F512IM48-C	EFR32BG13P632F512IM48-D	Yes
EFR32BG13P733F512GM48-C	EFR32BG13P733F512GM48-D	Yes
EFR32BG13P732F512GM32-C	EFR32BG13P732F512GM32-D	Yes
EFR32BG13P732F512GM48-C	EFR32BG13P732F512GM48-D	Yes
EFR32FG13P233F512GM48-C	EFR32FG13P233F512GM48-D	Yes
EFR32FG13P232F512GM32-C	EFR32FG13P232F512GM32-D	Yes
EFR32FG13P232F512GM48-C	EFR32FG13P232F512GM48-D	Yes
EFR32FG13P231F512GM32-C	EFR32FG13P231F512GM32-D	Yes
EFR32FG13P231F512GM48-C	EFR32FG13P231F512GM48-D	Yes
EFR32FG13P231F512IM32-C	EFR32FG13P231F512IM32-D	Yes
EFR32FG13P231F512IM48-C	EFR32FG13P231F512IM48-D	Yes
EFR32MG13P632F512GM32-C	EFR32MG13P632F512GM32-D	Yes

EFR32MG13P632F512GM48-C	EFR32MG13P632F512GM48-D	Yes
EFR32MG13P733F512GM48-C	EFR32MG13P733F512GM48-D	Yes
EFR32MG13P733F512IM48-C	EFR32MG13P733F512IM48-D	Yes
EFR32MG13P732F512GM32-C	EFR32MG13P732F512GM32-D	Yes
EFR32MG13P732F512GM48-C	EFR32MG13P732F512GM48-D	Yes
EFR32MG13P732F512IM32-C	EFR32MG13P732F512IM32-D	Yes
EFR32MG13P732F512IM48-C	EFR32MG13P732F512IM48-D	Yes
EFR32BG13P532F512GM32-CR	EFR32BG13P532F512GM32-DR	Yes
EFR32BG13P532F512GM48-CR	EFR32BG13P532F512GM48-DR	Yes
EFR32BG13P632F512GM32-CR	EFR32BG13P632F512GM32-DR	Yes
EFR32BG13P632F512GM48-CR	EFR32BG13P632F512GM48-DR	Yes
EFR32BG13P632F512IM32-CR	EFR32BG13P632F512IM32-DR	Yes
EFR32BG13P632F512IM48-CR	EFR32BG13P632F512IM48-DR	Yes
EFR32BG13P733F512GM48-CR	EFR32BG13P733F512GM48-DR	Yes
EFR32BG13P732F512GM32-CR	EFR32BG13P732F512GM32-DR	Yes
EFR32BG13P732F512GM48-CR	EFR32BG13P732F512GM48-DR	Yes
EFR32FG13P233F512GM48-CR	EFR32FG13P233F512GM48-DR	Yes
EFR32FG13P232F512GM32-CR	EFR32FG13P232F512GM32-DR	Yes
EFR32FG13P232F512GM48-CR	EFR32FG13P232F512GM48-DR	Yes
EFR32FG13P231F512GM32-CR	EFR32FG13P231F512GM32-DR	Yes
EFR32FG13P231F512GM48-CR	EFR32FG13P231F512GM48-DR	Yes
EFR32FG13P231F512IM32-CR	EFR32FG13P231F512IM32-DR	Yes
EFR32FG13P231F512IM48-CR	EFR32FG13P231F512IM48-DR	Yes
EFR32MG13P632F512GM32-CR	EFR32MG13P632F512GM32-DR	Yes
EFR32MG13P632F512GM48-CR	EFR32MG13P632F512GM48-DR	Yes
EFR32MG13P733F512GM48-CR	EFR32MG13P733F512GM48-DR	Yes
EFR32MG13P733F512IM48-CR	EFR32MG13P733F512IM48-DR	Yes
EFR32MG13P732F512GM32-CR	EFR32MG13P732F512GM32-DR	Yes
EFR32MG13P732F512GM48-CR	EFR32MG13P732F512GM48-DR	Yes
EFR32MG13P732F512IM32-CR	EFR32MG13P732F512IM32-DR	Yes
EFR32MG13P732F512IM48-CR	EFR32MG13P732F512IM48-DR	Yes

Last Date of Unchanged Product: 9/23/2019

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

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Qualification Data

Available upon request.



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