



181119433 EFR32MG13, EFR32BG13 & EFR32FG13 Data Sheet Revision 1.3 and Errata Update

Bulletin Issue Date: 11/19/2018

Effective Date: 11/19/2018

Description of Change

Silicon Labs is pleased to announce Data Sheet Revision 1.3 for EFR32MG13 Mighty Gecko Multi-Protocol, EFR32BG13 Blue Gecko Bluetooth® Low Energy and EFR32FG13 Flex Gecko Proprietary Wireless SoC families.

Notable changes from previous revisions are:

- The PHY firmware for 802.15.4 was updated to reduce the possibility of “false detects”. The impact of the new firmware is an additional 200 uA of current in receive modes for 802.15.4. The data sheets have been updated to reflect this increased power consumption.
- Changed “ DVDD = RFVDD = External PAVDD” in Sub-GHz specification tables to “ DVDD = RFVDD = External PA”. The PAVDD pin is for the 2.4 GHz Radio.

The Errata is updated to Revision 0.6/0.7 and the following new errata items have been added:

- ADC_E228 – Limited ADC Sampling Frequency in EM2
- CSEN_E201 – CSEN_DATA in Debug Mode
- CSEN_E202 – CSEN Baseline DMA Transfers
- EMU_E214 – Device Erase Cannot Occur if Voltage Scaling Level is Too Low
- I2C_E202 – Race Condition Between Start Detection and Timeout
- I2C_E203 – I2C Received Data Can be Shifted
- I2C_E204 – I2C0 Does Not Meet Fast Mode Plus (Fm+) Timing at Voltage Scale Level 0
- I2C_E205 – Go Idle Bus Idle Timeout Does Not Bring Device to Idle State
- I2C_E206 – Slave Holds SCL Low After Losing Arbitration
- USART_E203 – DMA Can Miss USART Receive Data in Synchronous Mode
- USART_E204 – IrDA Modulation and Transmission of PRS Input Data

Reason for Change

Updated Datasheet and Errata

Product Identification

Existing Part #
EFR32BG13P532F512GM32-C
EFR32BG13P532F512GM32-CR
EFR32BG13P532F512GM48-C
EFR32BG13P532F512GM48-CR
EFR32BG13P632F512GM32-C
EFR32BG13P632F512GM32-CR
EFR32BG13P632F512GM48-C
EFR32BG13P632F512GM48-CR
EFR32BG13P632F512IM32-C
EFR32BG13P632F512IM32-CR
EFR32BG13P632F512IM48-C
EFR32BG13P632F512IM48-CR
EFR32BG13P733F512GM48-C
EFR32BG13P733F512GM48-CR
EFR32BG13P732F512GM32-C
EFR32BG13P732F512GM32-CR
EFR32BG13P732F512GM48-C
EFR32BG13P732F512GM48-CR

EFR32FG13P233F512GM48-C
EFR32FG13P233F512GM48-CR
EFR32FG13P232F512GM32-C
EFR32FG13P232F512GM32-CR
EFR32FG13P232F512GM48-C
EFR32FG13P232F512GM48-CR
EFR32FG13P231F512GM32-C
EFR32FG13P231F512GM32-CR
EFR32FG13P231F512GM48-C
EFR32FG13P231F512GM48-CR
EFR32FG13P231F512IM32-C
EFR32FG13P231F512IM32-CR
EFR32FG13P231F512IM48-C
EFR32FG13P231F512IM48-CR
EFR32MG13P632F512GM32-C
EFR32MG13P632F512GM32-CR
EFR32MG13P632F512GM48-C
EFR32MG13P632F512GM48-CR
EFR32MG13P733F512GM48-C
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EFR32MG13P733F512IM48-C
EFR32MG13P733F512IM48-CR
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EFR32MG13P732F512GM32-CR
EFR32MG13P732F512GM48-C
EFR32MG13P732F512GM48-CR
EFR32MG13P732F512IM32-C
EFR32MG13P732F512IM32-CR
EFR32MG13P732F512IM48-C
EFR32MG13P732F512IM48-CR

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Review updated Data Sheet and Errata.

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