



2108031081 EFR32/EFM32xG22 Datasheets v. 1.1 and Errata Release

Bulletin Issue Date: Aug 03, 2021

Effective Date: Aug 03, 2021

Description of Change

Silicon Labs is pleased to announce the release of the following datasheet and errata versions:

EFR32BG22 Datasheet Release v1.1
 EFR32MG22 Datasheet Release v1.1
 EFR32FG22 Datasheet Release v1.1
 EFM32PG22 Datasheet Release v1.1
 EFR32BG22C112 Datasheet Release v1.1

EFR32BG22 Errata Release v0.6
 EFR32MG22 Errata Release v0.6
 EFR32FG22 Errata Release v0.6
 EFR32BG22C112 Errata Release v0.4.

Reason for Change

Changes in EFR32/EFM32xG22 Datasheet Revisions 1.1:

- Updated lowest energy mode for I2C0, IADC0 and EUART0 to EM3 in Configuration Summary.
- Added footnote for crystal load capacitance with Gain=2 test condition in Low Frequency Crystal Oscillator.
- Added timing specification for RESETn low time in GPIO Pins (3V GPIO pins).
- Added IADC 16 bit typical resolution and updated footnote in Analog to Digital Converter (IADC).
- Corrected clock reference to PCLK in USART SPI Master Timing and USART SPI Slave Timing.
- Corrected by removal IADC0.VREFN pinout from Alternate Function Table; IADC0.VREFN connected internally to ground.
- Updates QFN40 package information.

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

Changes in EFR32/EFM32xG22 Errata Revisions 0.6 and EFR32BG22C112 Errata Revision 0.4:

- Updated the workaround in I2C_E303.
- Added CUR_E302.
- Replaced select terms with inclusive lexicon.

Product Identification

Existing Part #
 EFR32BG22C112F352GM32-C
 EFR32BG22C112F352GM32-CR
 EFR32BG22C222F352GM32-C
 EFR32BG22C222F352GM32-CR
 EFR32BG22C222F352GM40-C
 EFR32BG22C222F352GM40-CR
 EFR32BG22C222F352GN32-C
 EFR32BG22C222F352GN32-CR
 EFR32BG22C224F512GM32-C
 EFR32BG22C224F512GM32-CR
 EFR32BG22C224F512GM40-C
 EFR32BG22C224F512GM40-CR
 EFR32BG22C224F512GN32-C
 EFR32BG22C224F512GN32-CR
 EFR32BG22C224F512IM32-C

EFR32BG22C224F512IM32-CR
EFR32BG22C224F512IM40-C
EFR32BG22C224F512IM40-CR
EFR32BG22C224P*GM32-C
EFR32BG22C224P*GM32-CR
EFR32BG22C224X*GM32-C
EFR32BG22C224X*GM32-CR
EFR32FG22C121F256GM32-C
EFR32FG22C121F256GM32-CR
EFR32FG22C121F256GM40-C
EFR32FG22C121F256GM40-CR
EFR32FG22C121F512GM32-C
EFR32FG22C121F512GM32-CR
EFR32FG22C121F512GM40-C
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EFR32MG22C224F512IM32-C
EFR32MG22C224F512IM32-CR
EFR32MG22C224F512IM40-C
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EFM32PG22C200F32IM32-C
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EFM32PG22C200F32IM40-CR
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EFM32PG22C200F64IM40-CR
EFM32PG22C200F128IM32-C
EFM32PG22C200F128IM32-CR
EFM32PG22C200F128IM40-C
EFM32PG22C200F128IM40-CR
EFM32PG22C200F256IM32-C
EFM32PG22C200F256IM32-CR
EFM32PG22C200F256IM40-C
EFM32PG22C200F256IM40-CR
EFM32PG22C200F512IM32-C
EFM32PG22C200F512IM32-CR
EFM32PG22C200F512IM40-C
EFM32PG22C200F512IM40-CR

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