



2304261445 EFR32xG23 v1.2, EFM32PG23 v1.1 Datasheet Release

Bulletin Issue Date: Apr 26, 2023

Effective Date: Apr 26, 2023

Description of Change

Silicon Labs is pleased to announce the release of datasheet v1.2 for EFR32FG23 and EFR32ZG23, and v1.1 for EFM32PG23 devices.

Summary of the changes (please refer to the datasheet revision history for a complete list of changes):

- Updated HCLK and SYSCLK frequency specification for "VSCALE1" test conditions.
- Updated RF Receiver Characteristics tables
 - For FG23 - Added sensitivity specifications for the new test conditions for 920 MHz band
 - For ZG23 - Corrected test condition for SPURRX from "1 GHz to 12 GHz" to "1 GHz to 6 GHz" for 868 MHz band (Z-Wave)
 - Minor updates to the parameters, symbols and test conditions
- Updated High Frequency RC Oscillator (HFRCO) table to add new test condition for Band Frequency Limit spec
- Updated Analog to Digital Converter (IADC) table to correct test conditions for Gain Error spec
- Updated Digital to Analog Converter (VDAC) table to correct the IDAC_2_STAT MAX spec
- Updated test conditions for boot timing (Gecko Bootloader size) & Added boot time spec for "Secure boot application check disable, no bootloader"

Links to datasheets:

EFR32FG23: <https://www.silabs.com/documents/public/data-sheets/efr32fg23-datasheet.pdf>

EFR32ZG23: <https://www.silabs.com/documents/public/data-sheets/efr32zg23-datasheet.pdf>

EFM32PG23: <https://www.silabs.com/documents/public/data-sheets/efm32pg23-datasheet.pdf>

Reason for Change

Datasheet update from v1.1 to v1.2 for EFR32xG23 and from v1.0 to v1.1 for EFM32PG23.

Product Identification

Existing Part #

EFR32FG23A010F256GM40-B
 EFR32FG23A010F256GM40-BR
 EFR32FG23A010F256GM40-C
 EFR32FG23A010F256GM40-CR
 EFR32FG23A010F256GM48-B
 EFR32FG23A010F256GM48-BR
 EFR32FG23A010F256GM48-C
 EFR32FG23A010F256GM48-CR
 EFR32FG23A010F512GM40-B
 EFR32FG23A010F512GM40-BR
 EFR32FG23A010F512GM40-C
 EFR32FG23A010F512GM40-CR
 EFR32FG23A010F512GM48-B
 EFR32FG23A010F512GM48-BR
 EFR32FG23A010F512GM48-C
 EFR32FG23A010F512GM48-CR
 EFR32FG23A010PZ047GM48-C
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EFR32ZG23B021F512IM40-B
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Kit Identification

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.

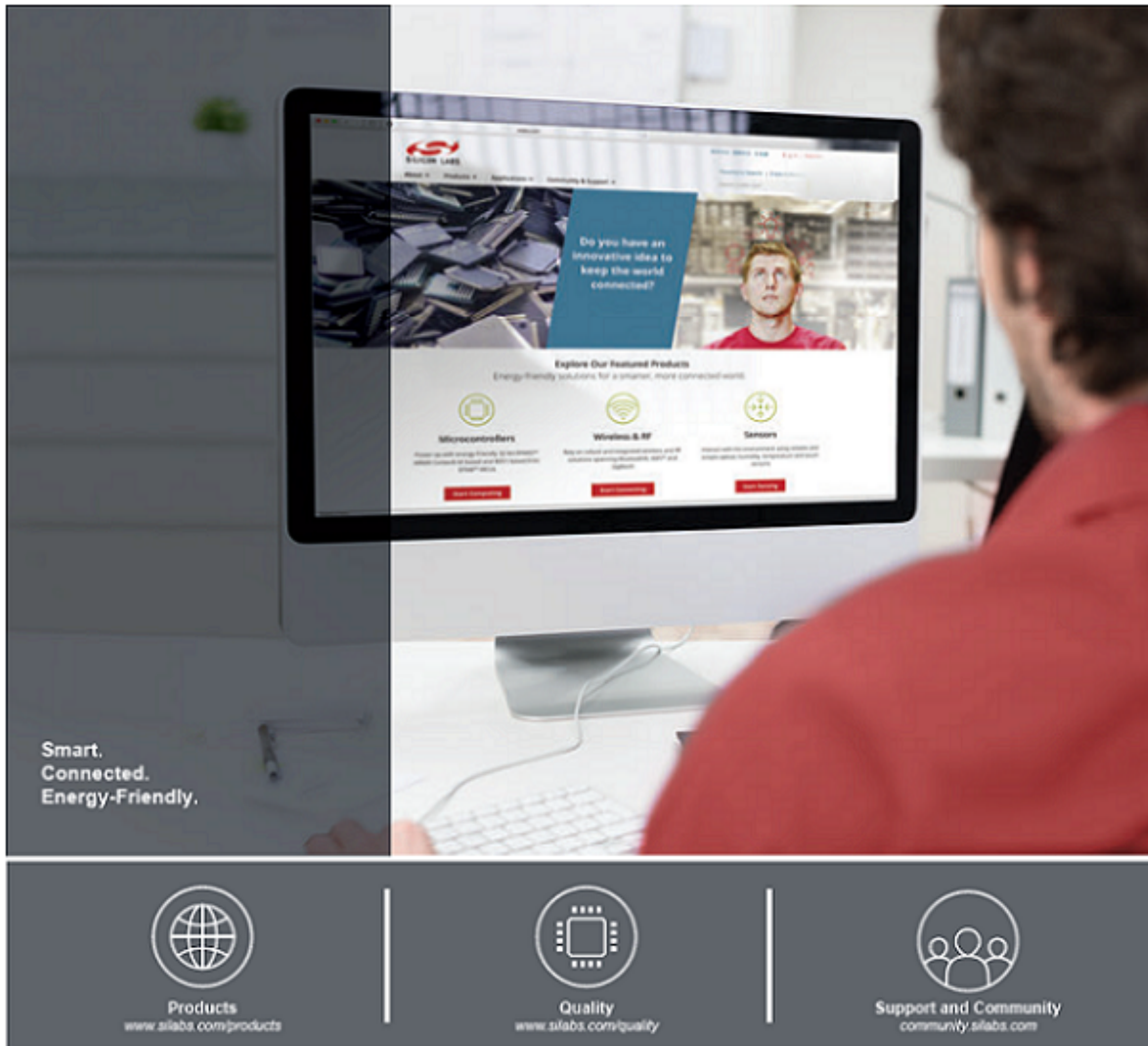
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