



# 2306151463 EFM32GG v2.1 Datasheet Release

**Bulletin Issue Date:** Jun 15, 2023

**Effective Date:** Jun 15, 2023

## Description of Change

Silicon Labs is pleased to announce the release of datasheet v2.1 for EFM32GG devices.

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

- Added SysTick System Timer to 1. Feature List.
- Added EOL note to Full Wafer package in 1. Feature List and 2. Ordering Information
- Added junction temperature range to 4.2 Absolute Maximum Ratings
- Added 4.4 Backup Supply Domain.
- Updated ADC input ON resistance (RADCIN) in 4.11 Analog Digital Converter (ADC).
- 4.12 Digital Analog Converter (DAC) - Added max load current specification.
- 10.2 QFN64 PCB Layout - Corrected pin number for symbol P9.
- Removed PB11 as the 1st alternate location of I2C1\_SDA in Alternate Functionality Overview tables for EFM32GG232, EFM32GG332, EFM32GG842 and EFM32GG942.

Link to datasheet: <https://www.silabs.com/documents/public/data-sheets/efm32gg-datasheet.pdf>

## Reason for Change

Datasheet update from v2.0 to v2.1

## Product Identification

### Existing Part #

EFM32GG230F512G-E-QFN64  
EFM32GG230F512G-E-QFN64R  
EFM32GG230F1024G-E-QFN64  
EFM32GG230F1024G-E-QFN64R  
EFM32GG232F512G-E-QFP64  
EFM32GG232F512G-E-QFP64R  
EFM32GG232F1024G-E-QFP64  
EFM32GG232F1024G-E-QFP64R  
EFM32GG280F512G-E-QFP100  
EFM32GG280F512G-E-QFP100R  
EFM32GG280F1024G-E-QFP100  
EFM32GG280F1024G-E-QFP100R  
EFM32GG290F512G-E-BGA112  
EFM32GG290F512G-E-BGA112R  
EFM32GG290F1024G-E-BGA112  
EFM32GG290F1024G-E-BGA112R  
EFM32GG295F512G-E-BGA120  
EFM32GG295F512G-E-BGA120R  
EFM32GG295F1024G-E-BGA120  
EFM32GG295F1024G-E-BGA120R  
EFM32GG330F512G-E-QFN64  
EFM32GG330F512G-E-QFN64R  
EFM32GG330F1024G-E-QFN64  
EFM32GG330F1024G-E-QFN64R  
EFM32GG332F512G-E-QFP64  
EFM32GG332F512G-E-QFP64R  
EFM32GG332F1024G-E-QFP64  
EFM32GG332F1024G-E-QFP64R  
EFM32GG380F512G-E-QFP100

EFM32GG380F512G-E-QFP100R  
 EFM32GG380F1024G-E-QFP100  
 EFM32GG380F1024G-E-QFP100R  
 EFM32GG390F512G-E-BGA112  
 EFM32GG390F512G-E-BGA112R  
 EFM32GG390F1024G-E-BGA112  
 EFM32GG390F1024G-E-BGA112R  
 EFM32GG395F512G-E-BGA120  
 EFM32GG395F512G-E-BGA120R  
 EFM32GG395F1024G-E-BGA120  
 EFM32GG395F1024G-E-BGA120R  
 EFM32GG840F512G-E-QFN64  
 EFM32GG840F512G-E-QFN64R  
 EFM32GG840F1024G-E-QFN64  
 EFM32GG840F1024G-E-QFN64R  
 EFM32GG842F512G-E-QFP64  
 EFM32GG842F512G-E-QFP64R  
 EFM32GG842F1024G-E-QFP64  
 EFM32GG842F1024G-E-QFP64R  
 EFM32GG880F512G-E-QFP100  
 EFM32GG880F512G-E-QFP100R  
 EFM32GG880F1024G-E-QFP100  
 EFM32GG880F1024G-E-QFP100R  
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 EFM32GG890F1024G-E-BGA112  
 EFM32GG890F1024G-E-BGA112R  
 EFM32GG895F512G-E-BGA120  
 EFM32GG895F512G-E-BGA120R  
 EFM32GG895F1024G-E-BGA120  
 EFM32GG895F1024G-E-BGA120R  
 EFM32GG900F512G-E-D1I  
 EFM32GG900F1024G-E-D1I  
 EFM32GG940F512G-E-QFN64  
 EFM32GG940F512G-E-QFN64R  
 EFM32GG940F1024G-E-QFN64  
 EFM32GG940F1024G-E-QFN64R  
 EFM32GG942F512G-E-QFP64  
 EFM32GG942F512G-E-QFP64R  
 EFM32GG942F1024G-E-QFP64  
 EFM32GG942F1024G-E-QFP64R  
 EFM32GG980F512G-E-QFP100  
 EFM32GG980F512G-E-QFP100R  
 EFM32GG980F1024G-E-QFP100  
 EFM32GG980F1024G-E-QFP100R  
 EFM32GG990F512G-E-BGA112  
 EFM32GG990F512G-E-BGA112R  
 EFM32GG990F1024G-E-BGA112  
 EFM32GG990F1024G-E-BGA112R  
 EFM32GG995F512G-E-BGA120  
 EFM32GG995F512G-E-BGA120R  
 EFM32GG995F1024G-E-BGA120  
 EFM32GG995F1024G-E-BGA120R

## 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.

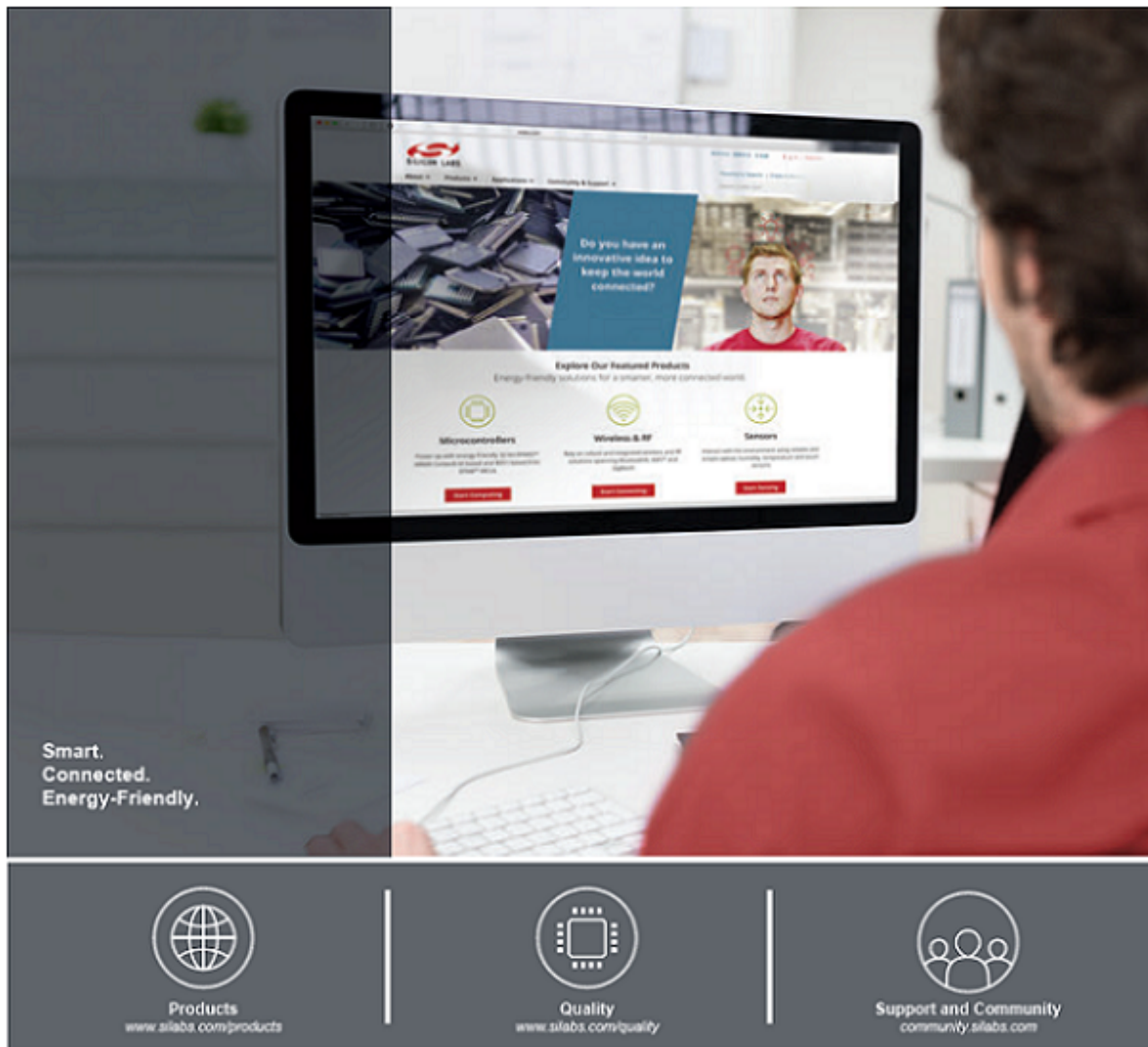
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## Customer Actions Needed:

Review updated datasheet.

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