



# 2211021344 EFR32FG22 Datasheet v1.2 Release

**PCN Issue Date:** Nov 02, 2022

**Effective Date:** Feb 08, 2023

**PCN Type:** Datasheet

## Description of Change

Silicon Labs is pleased to announce the release of datasheet version 1.2 for the EFR32FG22 devices. The changes are due to continued review of device performance and updates to some parameters based on this review.

Key changes in datasheet are:

- Updated RF Tuning Range
- Added flash erase cycles and data retention information
- Added missing information/corrections and footnotes to electrical specification tables
- Updated QFN40 package marking and Alternate function table.

For a complete list, see the datasheet revision history table.

Link to the datasheet:

<https://www.silabs.com/documents/public/data-sheets/efr32fg22-datasheet.pdf>

## Reason for Change

Release of new revision as general cleanup of the document.

## Impact on Form, Fit, Function, Quality, Reliability

Decrease of max. voltage of HFXO pins and updated QFN40 package markings. There are no impacts to Fit, Quality or Reliability.

## Product Identification

Existing Part #  
EFR32FG22C121F512GM32-C  
EFR32FG22C121F512GM32-CR  
EFR32FG22C121F512GM40-C  
EFR32FG22C121F512GM40-CR

**Last Date of Unchanged Product:** Feb 08, 2023

## Qualification Samples

NA

## 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>.

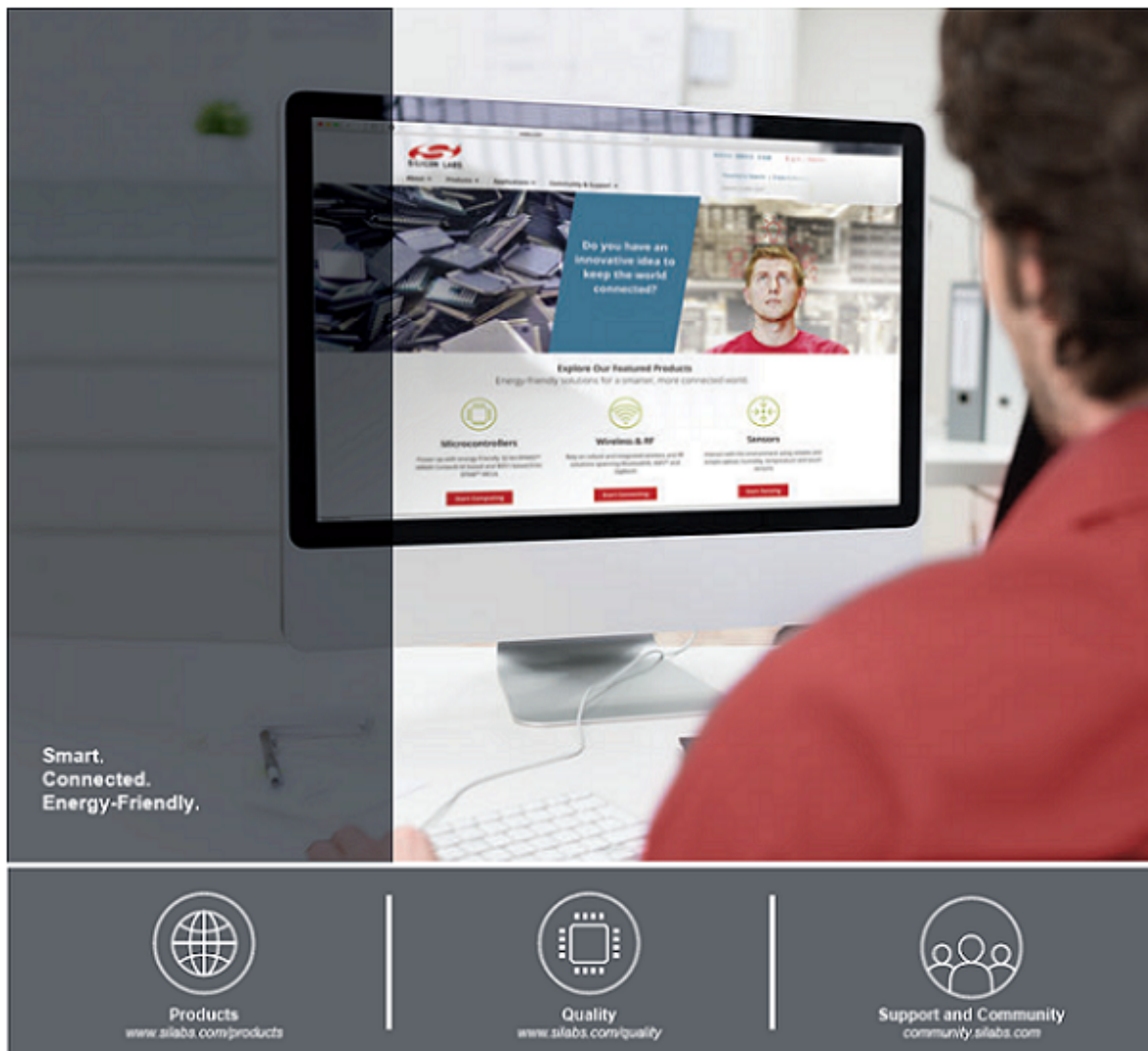
Customers may approve early PCN acceptance by emailing approval, along with PCN # to [PCNEarlyAcceptance@silabs.com](mailto:PCNEarlyAcceptance@silabs.com)

## User Registration

Register today to create your account on Silabs.com. Your personalized profile allows you to receive technical document updates, new product announcements, “how-to” and design documents, product change notices (PCN) and other valuable content available only to registered users. <http://www.silabs.com/profile>

## Qualification Data

NA



#### Disclaimer

Silicon Labs intends to provide customers with the latest, accurate, and in-depth documentation of all peripherals and modules available for system and software implementers using or intending to use the Silicon Labs products. Characterization data, available modules and peripherals, memory sizes and memory addresses refer to each specific device, and "Typical" parameters provided can and do vary in different applications. Application examples described herein are for illustrative purposes only. Silicon Labs reserves the right to make changes without further notice and limitation to product information, specifications, and descriptions herein, and does not give warranties as to the accuracy or completeness of the included information. Silicon Labs shall have no liability for the consequences of use of the information supplied herein. This document does not imply or express copyright licenses granted hereunder to design or fabricate any integrated circuits. The products are not designed or authorized to be used within any Life Support System without the specific written consent of Silicon Labs. A "Life Support System" is any product or system intended to support or sustain life and/or health, which, if it fails, can be reasonably expected to result in significant personal injury or death. Silicon Labs products are not designed or authorized for military applications. Silicon Labs products shall under no circumstances be used in weapons of mass destruction including (but not limited to) nuclear, biological or chemical weapons, or missiles capable of delivering such weapons.

#### Trademark Information

Silicon Laboratories Inc.®, Silicon Laboratories®, Silicon Labs®, SiLabs® and the Silicon Labs logo®, Bluegiga®, Bluegiga Logo®, Clockbuilder®, CMEMS®, DSPLL®, EFM®, EFM32®, EFR®, Ember®, Energy Micro, Energy Micro logo and combinations thereof, "the world's most energy friendly microcontrollers", Ember®, EZLink®, EZRadio®, EZRadioPRO®, Gecko®, ISOModem®, Micrium®, Precision32®, ProSLIC®, Simplicity Studio®, SiPHY®, Telegesis, the Telegesis Logo®, USBXpress®, Zentri and others are trademarks or registered trademarks of Silicon Labs. ARM, CORTEX, Cortex-M3 and THUMB are trademarks or registered trademarks of ARM Holdings. Keil is a registered trademark of ARM Limited. All other products or brand names mentioned herein are trademarks of their respective holders.



**Silicon Laboratories Inc.**  
400 West Cesar Chavez  
Austin, TX 78701

<http://www.silabs.com>