



# 181005395 MGM12P Module RF Performance Improvement

**PCN Issue Date:** 10/5/2018

**Effective Date:** 1/10/2019

**PCN Type:** Assembly

## Description of Change

Silicon Labs is pleased to announce an improvement to the RF performance of the MGM12P module.

The inductor and capacitor values in the RF matching network have been optimized to enhance the module's efficiency and RF range. Depending on the characteristics of a customer's board design (e.g. size of ground plane), this change will provide a 2.4 GHz link budget improvement.

The improved product will be identified with a new revision letter in the trace code. In the current tracecode, YYWWTTTTTT, where YYWW is the year and work week, and TTTTTT signifies the revision code plus a five digit sequentially-generated alpha numeric serialization code, the first T will change from revision A (current material) to revision B (improved MGM12P modules).

## Reason for Change

To improve radiated RF performance.

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

No impact to form, fit, function, quality, or reliability. The radiated RF performance of the module is improved.

## Product Identification

Existing Part #  
MGM12P02F1024GA-V2  
MGM12P22F1024GA-V2  
MGM12P32F1024GA-V2

**Last Date of Unchanged Product:** 1/10/2019

## Qualification Samples

Samples available upon request.

## 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>.

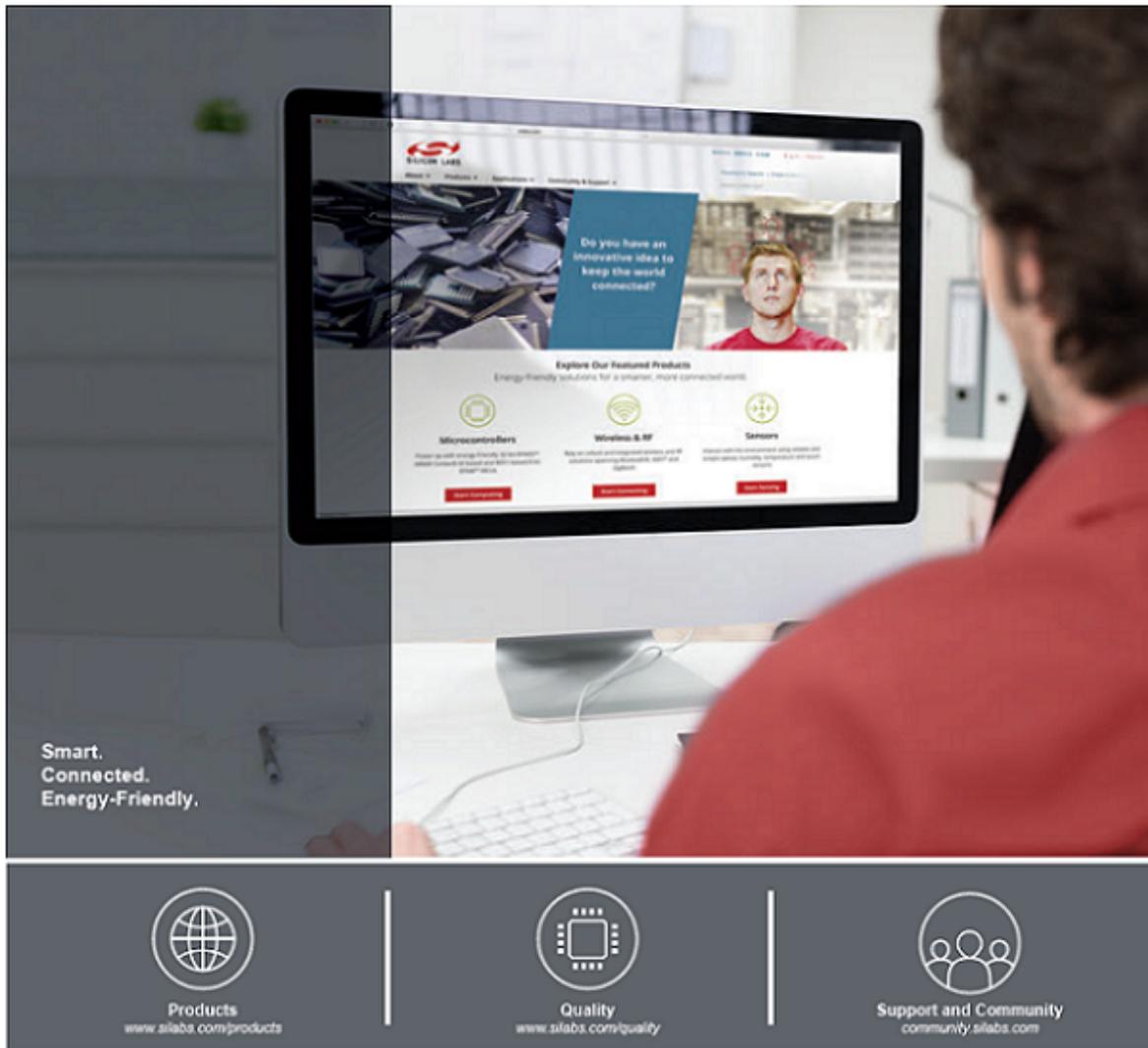
Customers may approve early PCN acceptance by emailing approval, along with PCN # to [PCNEarlyAcceptance@silabs.com](mailto:PCNEarlyAcceptance@silabs.com)

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## Qualification Data

N/A



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