



# 2302011405 Additional Assembly, Test and Ship Site for EFR32MG21, EFR32BG21

**PCN Issue Date:** Feb 01, 2023

**Effective Date:** May 05, 2023

**PCN Type:** Assembly; Test

## Description of Change

Silicon Labs is pleased to announce the successful qualification of UTAC Thailand (UTL) as an additional assembly, test and ship site for EFR32MG21 and EFR32BG21. UTAC Thailand is an existing assembly and test site for Silicon Labs, and is certified to ISO9001, ISO14001 and IATF 16949.

UTL 1 Address - Assembly Site  
UTAC Thai Limited (UTL 1)  
237 Lasalle Rd. (Sukhumvit 105)  
Bangna, Bangkok 10260, Thailand

UTL 3 Address - Assembly, Test and Ship Site  
UTAC Thai Limited (UTL 3)  
73 Moo5, Wellgrow Industrial Estate  
Bangsamak, Bangpakong,  
Chachoengsao, 24180, Thailand

As of the effective date of the PCN, Silicon Labs may ship from either of the qualified sites.

## Reason for Change

The additional assembly and test location will provide additional capacity for supply assurance.

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

No change to Form, Fit, Function, Quality or Reliability.

## Product Identification

This notification includes both standard and customer-specific part numbers. An asterisk \* represents a number or letter (one or more) in a customer-specific part number.

Existing Part #  
EFR32BG21A010F512IM32-B  
EFR32BG21A010F512IM32-BR  
EFR32BG21A010F768IM32-B  
EFR32BG21A010F768IM32-BR  
EFR32BG21A010F1024IM32-B  
EFR32BG21A010F1024IM32-BR  
EFR32BG21A010M\*IM32-B  
EFR32BG21A010M\*IM32-BR  
EFR32BG21A010P\*IM32-B  
EFR32BG21A010P\*IM32-BR  
EFR32BG21A010X\*IM32-B  
EFR32BG21A010X\*IM32-BR  
EFR32BG21A020F512IM32-B  
EFR32BG21A020F512IM32-BR  
EFR32BG21A020F768IM32-B  
EFR32BG21A020F768IM32-BR  
EFR32BG21A020F1024IM32-B

EFR32BG21A020F1024IM32-BR  
EFR32BG21B010F512IM32-B  
EFR32BG21B010F512IM32-BR  
EFR32BG21B010F768IM32-B  
EFR32BG21B010F768IM32-BR  
EFR32BG21B010F1024IM32-B  
EFR32BG21B010F1024IM32-BR  
EFR32BG21B010X\*IM32-B  
EFR32BG21B010X\*IM32-BR  
EFR32BG21B020F512IM32-B  
EFR32BG21B020F512IM32-BR  
EFR32BG21B020F768IM32-B  
EFR32BG21B020F768IM32-BR  
EFR32BG21B020F1024IM32-B  
EFR32BG21B020F1024IM32-BR  
EFR32BG21B020P\*IM32-B  
EFR32BG21B020P\*IM32-BR  
EFR32MG21A010F512IM32-B  
EFR32MG21A010F512IM32-BR  
EFR32MG21A010F768IM32-B  
EFR32MG21A010F768IM32-BR  
EFR32MG21A010F1024IM32-B  
EFR32MG21A010F1024IM32-BR  
EFR32MG21A010M\*IM32-B  
EFR32MG21A010M\*IM32-BR  
EFR32MG21A020F512IM32-B  
EFR32MG21A020F512IM32-BR  
EFR32MG21A020F768IM32-B  
EFR32MG21A020F768IM32-BR  
EFR32MG21A020F1024IM32-B  
EFR32MG21A020F1024IM32-BR  
EFR32MG21A020M\*IM32-B  
EFR32MG21A020M\*IM32-BR  
EFR32MG21A020P\*IM32-B  
EFR32MG21A020P\*IM32-BR  
EFR32MG21B010F512IM32-B  
EFR32MG21B010F512IM32-BR  
EFR32MG21B010F768IM32-B  
EFR32MG21B010F768IM32-BR  
EFR32MG21B010F1024IM32-B  
EFR32MG21B010F1024IM32-BR  
EFR32MG21B010P\*IM32-B  
EFR32MG21B010P\*IM32-BR  
EFR32MG21B020F512IM32-B  
EFR32MG21B020F512IM32-BR  
EFR32MG21B020F768IM32-B  
EFR32MG21B020F768IM32-BR  
EFR32MG21B020F1024IM32-B  
EFR32MG21B020F1024IM32-BR  
EFR32MG21B020P\*IM32-B  
EFR32MG21B020P\*IM32-BR

**Last Date of Unchanged Product:** May 05, 2023

### 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

Please refer to qualification report below.



### EFR32xG21 UTL Assembly Qualification Report

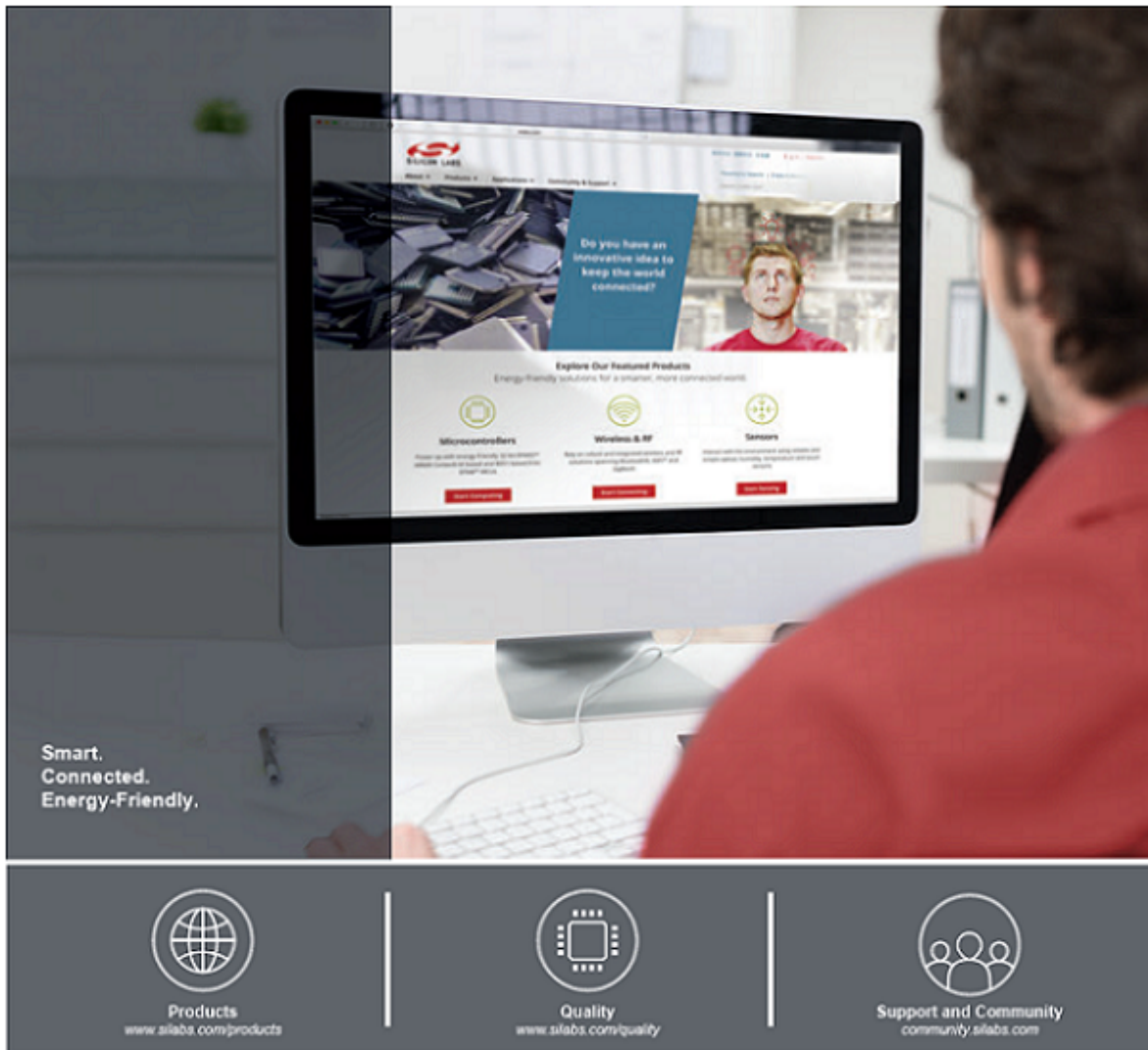
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Part Rev B, TSMC Fabrication, UTL Assembly							
Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status
<b>Test Group A – Accelerated Environment Stress Tests</b>							
HAST	JA110	3 lots, N=>25	Q049016	0/80	1	3 lots	Pass
	130°C, 85%RH		Q049635	0/80	1		
	Vcc=3.8V, 96 hours		Q049636	0/80	1		
uHAST	JA118	3 lots, N=>25	Q049888	0/80	1	3 lots	Pass
	130°C, 85%RH		Q049887	0/82	1		
	96 hours		Q049886	0/100	1		
Temp Cycle	JA104	3 lots, N=>25	Q049889	0/80	1	3 lots	Pass
	Cond C: -65°C to 150°C		Q049891	0/82	1		
	500 cycles		Q049890	0/82	1		
HTSL	JA103	3 lots, N=>25	Q049893	0/30	1	3 lots	Pass
	150°C, 1000hr		Q049894	0/28	1		
			Q049892	0/45	1		
<b>Test Group E – Electrical Verification</b>							
ESD-CDM	JS-002	1 lot, N=>3	Q049895			TC 1000	Class C3

Notes:  
1. Parts are Pre-conditioned at MSL2/260°C

This report applies to the following part numbers:		
EFR32BG21A010F1024IM32-B	EFR32BG21B020F1024IM32-B	EFR32MG21B010F1024IM32-B
EFR32BG21A010F512IM32-B	EFR32BG21B020F512IM32-B	EFR32MG21B010F512IM32-B
EFR32BG21A010F768IM32-B	EFR32BG21B020F768IM32-B	EFR32MG21B010F768IM32-B
EFR32BG21A020F1024IM32-B	EFR32MG21A010F1024IM32-B	EFR32MG21B020F1024IM32-B
EFR32BG21A020F512IM32-B	EFR32MG21A010F512IM32-B	EFR32MG21B020F512IM32-B
EFR32BG21A020F768IM32-B	EFR32MG21A010F768IM32-B	EFR32MG21B020F768IM32-B
EFR32BG21B010F1024IM32-B	EFR32MG21A020F1024IM32-B	
EFR32BG21B010F512IM32-B	EFR32MG21A020F512IM32-B	
EFR32BG21B010F768IM32-B	EFR32MG21A020F768IM32-B	

1 silabs.com | EFR32xG21 UTL Assembly Qual Report
Prepared on: 2023-1-6 by K. Torres



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