



## Process Change Notice #1703088

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<b>PCN Issue Date:</b> 3/8/2017		<b>Effective Date:</b> 6/14/2017	
<b>Title:</b> EFR32xG 7x7 QFN48 – Assembly and Test Site Addition (UTL)			
<b>PCN Type:</b>			
<input type="checkbox"/> Datasheet	<input type="checkbox"/> Foundry	<input type="checkbox"/> Packing	
<input type="checkbox"/> Product Revision	<input checked="" type="checkbox"/> Assembly	<input type="checkbox"/> Labeling	
<input type="checkbox"/> Discontinuance	<input checked="" type="checkbox"/> Test	<input type="checkbox"/> Other	
<b>Last Order Date:</b> NA			
<b>PCN Details</b>			
<b>Description of Change:</b>			
Silicon Labs is pleased to announce the successful qualification of UTAC Thailand (UTL) as an additional Assembly & Test site for EFR32MG1, EFR32BG1, EFR32FG1 QFN48 Wireless Gecko SoC. UTL is an existing Assembly & Test site for Silicon Labs, and is certified to ISO9001, ISO14001 and ISO/TS16949.			
UTL address: UTAC Thai Limited Wellgrow Industrial Estate, 73 Moo 5, Bangna-Trad (KM.36) T.Bangsamak, Bangpakong Chachoengsao 24180 Thailand Bangkok Zip code: 24180			
As of the effective date of the PCN, Silicon Labs may assemble and test from either of the qualified Assembly and Test sites.			
<b>Reason for Change:</b>			
The additional assembly and test locations will provide additional capacity for supply assurance.			
<b>Impact on Form, Fit, Function, Quality, Reliability:</b>			
There is no impact on form, fit, function, quality, or reliability. The EFR32MG1, EFR32BG1, and EFR32FG1 devices assembled and tested at UTL will comply with Silicon Labs' relevant datasheets and quality levels.			
The same test equipment including ATE, test load board hardware, and test application software will be used at both locations.			



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**Product Identification:**

EFR32BG1B132F128GM48-CO	EFR32FG1P131F256GM48-CO
EFR32BG1B132F256GM48-CO	EFR32FG1V132F32GM48-CO
EFR32BG1B232F128GM48-CO	EFR32FG1V132F64GM48-CO
EFR32BG1B232F256GM48-CO	EFR32FG1V132F128GM48-CO
EFR32BG1P233F256GM48-CO	EFR32FG1V132F256GM48-CO
EFR32BG1P232F256GM48-CO	EFR32FG1V131F32GM48-CO
EFR32BG1P333F256GM48-CO	EFR32FG1V131F64GM48-CO
EFR32BG1P332F256GM48-CO	EFR32FG1V131F128GM48-CO
EFR32BG1V132F128GM48-CO	EFR32FG1V131F256GM48-CO
EFR32BG1V132F256GM48-CO	EFR32MG1B132F256GM48-CO
EFR32FG1P133F64GM48-CO	EFR32MG1B232F256GM48-CO
EFR32FG1P133F128GM48-CO	EFR32MG1B232F256IM48-CO
EFR32FG1P133F256GM48-CO	EFR32MG1P133F256GM48-CO
EFR32FG1P132F64GM48-CO	EFR32MG1P132F256GM48-CO
EFR32FG1P132F128GM48-CO	EFR32MG1P233F256GM48-CO
EFR32FG1P132F256GM48-CO	EFR32MG1P232F256GM48-CO
EFR32FG1P131F64GM48-CO	EFR32MG1V132F256GM48-CO
EFR32FG1P131F128GM48-CO	

**Last Date of Unchanged Product:** 6/14/2017

**Qualification Samples:**

Available upon request

**Specific conditions of acceptance of this change will be considered on a case by case basis if written notice is submitted within 30 days of this notice. To request further data or inquire about this notification, please contact your local Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at [www.silabs.com](http://www.silabs.com).**

**In some cases rejection of a change notice may impact Silicon Labs product pricing, delivery, quality, or reliability.**

**Customer Early Acceptance Sign Off:**

Customers may approve early PCN acceptance by completing the information below:

Early Acceptance: Date: \_\_\_\_\_

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Email your early Acceptance approval to: [katherine.haggar@silabs.com](mailto:katherine.haggar@silabs.com)

**Qualification Data:**

Qualification data is attached.

**EFR32\*G1 7x7 QFN at UTACTH Qualification Report**



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Part Rev C0, TSMC Fabrication, UTACTH 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 130°C, 85%RH Vcc=3.8V, 96 hours	3 lots, N=>25	Q040183	0/29	1		
			Q040184	0/30	1		
			Q040139	0/30	1	4 lots	Pass
			Q040185	0/30	1	0/119	
UHAST	JA110 130°C, 85%RH 96 hours	3 lots, N=>77	Q040192	0/30	1		
			Q040193	0/30	1	3 lots	Pass
			Q040194	0/30	1	0/90	
Temp Cycle	JA104 Cond C: -65°C to 150°C 500 cycles	3 lots, N=>25	Q040189	0/30	1		
			Q040190	0/30	1	3 lots	Pass
			Q040191	0/30	1	0/90	
HTSL	JA103 150°C, 1000hr	3 lots, N=>25	Q040186	0/30	1		
			Q040187	0/30	1	3 lots	Pass
			Q040188	0/30	1	0/90	
<b>Test Group E – Electrical Verification</b>							
ESD-CDM	JS-002	1 lot, N=>3	Q040054		2	650	Class C2A
			Q040053		3	1000 V	Class C3
			Q040052		4	650 V	Class C2A

Notes:

1. Parts are Pre-conditioned at MSL2/260°C
2. 2.4 GHz Bond Out Option
3. Sub-GHz Bond Out Option
4. 2.4 GHz Bond Out Option

This report applies to the following part numbers:		
EFR32BG1B132F128GM48-C0	EFR32FG1P132F128GM48-C0	EFR32MG1B232F256GM48-C0
EFR32BG1B132F256GM48-C0	EFR32FG1P132F256GM48-C0	EFR32MG1B232F256IM48-C0
EFR32BG1B232F128GM48-C0	EFR32FG1P131F64GM48-C0	EFR32MG1P133F256GM48-C0
EFR32BG1B232F256GM48-C0	EFR32FG1P131F128GM48-C0	EFR32MG1P132F256GM48-C0
EFR32BG1P233F256GM48-C0	EFR32FG1P131F256GM48-C0	EFR32MG1P233F256GM48-C0
EFR32BG1P232F256GM48-C0	EFR32FG1V132F32GM48-C0	EFR32MG1P232F256GM48-C0
EFR32BG1P333F256GM48-C0	EFR32FG1V132F64GM48-C0	EFR32MG1V132F256GM48-C0
EFR32BG1P332F256GM48-C0	EFR32FG1V132F128GM48-C0	
EFR32BG1V132F128GM48-C0	EFR32FG1V132F256GM48-C0	
EFR32BG1V132F256GM48-C0	EFR32FG1V131F32GM48-C0	
EFR32FG1P133F64GM48-C0	EFR32FG1V131F64GM48-C0	
EFR32FG1P133F128GM48-C0	EFR32FG1V131F128GM48-C0	
EFR32FG1P133F256GM48-C0	EFR32FG1V131F256GM48-C0	
EFR32FG1P132F64GM48-C0	EFR32MG1B132F256GM48-C0	