

Process Change Notice #1507061

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PCN Date: 7/6/2015		Effective	e Dat e: 10/1	2/2015		
Title: EFM32 Tiny Gecko TQFP/QFN Package Mold Compound Change						
Originator: Baylor Bresemanr) Pho	one: (512)	428-1545	Dept: Marketing		
Customer Contact: Kathy Hag	ggar Pho	Phone: (512) 532-5261		Dept: Sales		
PCN Type:	·					
□ Datasheet	☐ Foundry		□ P	acking		
☐ Product Revision	□ Assembly	/		abeling		
☐ Discontinuance	☐ Test			Other		
Last Order Date: Not Applica	ble					
	PO	CN Details				
Description of Change: Silicon Labs is announcing the successful qualification of an improved mold compound for the EFM32TGxxx (Tiny Gecko) devices assembled in ASEKR. The changes are summarized in the table below.						
Package(s) Current	Package(s) Current Mold Compound New Mold Compound					
	Sumitomo Bakelite Co. LTD type EME-G700		Sumitomo Bakelite Co. LTD type EME- G700LYT-A			
	Sumitomo Bakelite Co. LTD type EME-G700L		Sumitomo Bakelite Co. LTD type EME- G700LYT-A			
	Sumitomo Bakelite Co. LTD type EME-G700		Sumitomo Bakelite Co. LTD type EME- G700LYT			
Reason for Change: The mold compound is being changed to improve manufacturability and ensure supply continuity. Impact on Form, Fit, Function, Quality, Reliability: No change in Form, Fit, Function, Quality & Reliability.						



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Prod	luct	Identification:

Affected Part Numbers EFM32TG108F4-QFN24 EFM32TG108F16-QFN24 EFM32TG108F32-QFN24 EFM32TG110F4-QFN24 EFM32TG110F8-QFN24 EFM32TG110F16-QFN24 EFM32TG110F32-QFN24 EFM32TG210F16-QFN32 EFM32TG210F32-QFN32 EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG230F8-QFN64 EFM32TG230F16-QFN64 EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F16-QFP64 EFM32TG232F16-QFP64 EFM32TG32F8-QFP64 EFM32TG32F16-QFP64 EFM32TG32F8-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG842F16-QFP64 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFP64 EFM32TG840F16-QFP64 EFM32TG840F16-QFP64 EFM32TG842F8-QFP64	
EFM32TG108F8-QFN24 EFM32TG108F16-QFN24 EFM32TG110F4-QFN24 EFM32TG110F4-QFN24 EFM32TG110F8-QFN24 EFM32TG110F16-QFN24 EFM32TG110F32-QFN24 EFM32TG210F8-QFN32 EFM32TG210F32-QFN32 EFM32TG210F32-QFN32 EFM32TG22F8-QFP48 EFM32TG22F16-QFP48 EFM32TG230F8-QFN64 EFM32TG230F32-QFN64 EFM32TG230F32-QFN64 EFM32TG232F32-QFN64 EFM32TG232F32-QFN64 EFM32TG232F32-QFP64 EFM32TG232F32-QFP64 EFM32TG232F32-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFP64	Affected Part Numbers
EFM32TG108F16-QFN24 EFM32TG108F32-QFN24 EFM32TG110F4-QFN24 EFM32TG110F8-QFN24 EFM32TG110F16-QFN24 EFM32TG110F32-QFN24 EFM32TG210F8-QFN32 EFM32TG210F16-QFN32 EFM32TG210F32-QFN32 EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG222F32-QFP48 EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F32-QFP64 EFM32TG232F32-QFP64 EFM32TG232F32-QFP64 EFM32TG232F16-QFP64 EFM32TG232F16-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG822F32-QFP48 EFM32TG822F16-QFP64 EFM32TG822F32-QFP64 EFM32TG840F8-QFN64 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFN64 EFM32TG842F8-QFP64	EFM32TG108F4-QFN24
EFM32TG108F32-QFN24 EFM32TG110F4-QFN24 EFM32TG110F16-QFN24 EFM32TG110F32-QFN24 EFM32TG210F8-QFN32 EFM32TG210F16-QFN32 EFM32TG210F32-QFN32 EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG230F8-QFN64 EFM32TG230F32-QFN64 EFM32TG230F32-QFN64 EFM32TG232F32-QFN64 EFM32TG232F32-QFN64 EFM32TG232F32-QFN64 EFM32TG232F32-QFP64 EFM32TG232F32-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP64 EFM32TG822F32-QFP64 EFM32TG822F32-QFP64 EFM32TG842F16-QFN64 EFM32TG840F32-QFN64 EFM32TG840F32-QFN64 EFM32TG840F32-QFN64 EFM32TG840F32-QFN64 EFM32TG840F32-QFN64	EFM32TG108F8-QFN24
EFM32TG110F4-QFN24 EFM32TG110F8-QFN24 EFM32TG110F16-QFN24 EFM32TG110F32-QFN24 EFM32TG210F8-QFN32 EFM32TG210F16-QFN32 EFM32TG210F32-QFN32 EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG222F32-QFP48 EFM32TG230F8-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F8-QFP64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG822F32-QFP48 EFM32TG842F8-QFN64 EFM32TG842F8-QFN64 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFN64 EFM32TG842F8-QFP64	EFM32TG108F16-QFN24
EFM32TG110F8-QFN24 EFM32TG110F16-QFN24 EFM32TG110F32-QFN24 EFM32TG210F8-QFN32 EFM32TG210F16-QFN32 EFM32TG210F32-QFN32 EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG222F32-QFP48 EFM32TG230F8-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFN64 EFM32TG842F8-QFP64	EFM32TG108F32-QFN24
EFM32TG110F16-QFN24 EFM32TG110F32-QFN24 EFM32TG210F8-QFN32 EFM32TG210F16-QFN32 EFM32TG210F32-QFN32 EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG222F32-QFP48 EFM32TG230F8-QFN64 EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG842F16-QFN64 EFM32TG840F32-QFN64 EFM32TG840F32-QFN64 EFM32TG840F16-QFN64 EFM32TG842F8-QFP64	EFM32TG110F4-QFN24
EFM32TG110F32-QFN24 EFM32TG210F8-QFN32 EFM32TG210F16-QFN32 EFM32TG210F32-QFN32 EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG222F32-QFP48 EFM32TG230F8-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F8-QFP64 EFM32TG232F32-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFN64 EFM32TG842F8-QFP64	EFM32TG110F8-QFN24
EFM32TG210F8-QFN32 EFM32TG210F16-QFN32 EFM32TG210F32-QFN32 EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG222F32-QFP48 EFM32TG230F8-QFN64 EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG822F32-QFP64 EFM32TG840F32-QFN64 EFM32TG840F32-QFN64 EFM32TG840F16-QFN64 EFM32TG842F8-QFP64 EFM32TG842F8-QFP64	EFM32TG110F16-QFN24
EFM32TG210F16-QFN32 EFM32TG210F32-QFN32 EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG222F32-QFP48 EFM32TG230F8-QFN64 EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFN64 EFM32TG842F8-QFP64	EFM32TG110F32-QFN24
EFM32TG210F32-QFN32 EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG222F32-QFP48 EFM32TG230F8-QFN64 EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP64 EFM32TG822F16-QFP64 EFM32TG822F32-QFP64 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFN64 EFM32TG842F8-QFP64	EFM32TG210F8-QFN32
EFM32TG222F8-QFP48 EFM32TG222F16-QFP48 EFM32TG222F32-QFP48 EFM32TG230F8-QFN64 EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64	EFM32TG210F16-QFN32
EFM32TG222F16-QFP48 EFM32TG222F32-QFP48 EFM32TG230F8-QFN64 EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG822F32-QFP48 EFM32TG840F32-QFN64 EFM32TG840F16-QFN64 EFM32TG840F16-QFN64 EFM32TG842F8-QFP64	EFM32TG210F32-QFN32
EFM32TG222F32-QFP48 EFM32TG230F8-QFN64 EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F8-QFP48 EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64	EFM32TG222F8-QFP48
EFM32TG230F8-QFN64 EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F8-QFP48 EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64	EFM32TG222F16-QFP48
EFM32TG230F16-QFN64 EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F8-QFP48 EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64	EFM32TG222F32-QFP48
EFM32TG230F32-QFN64 EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F8-QFP48 EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64	EFM32TG230F8-QFN64
EFM32TG232F8-QFP64 EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F8-QFP48 EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG842F8-QFN64 EFM32TG842F8-QFP64	EFM32TG230F16-QFN64
EFM32TG232F16-QFP64 EFM32TG232F32-QFP64 EFM32TG822F8-QFP48 EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64	EFM32TG230F32-QFN64
EFM32TG232F32-QFP64 EFM32TG822F8-QFP48 EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64	EFM32TG232F8-QFP64
EFM32TG822F8-QFP48 EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64	EFM32TG232F16-QFP64
EFM32TG822F16-QFP48 EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64	EFM32TG232F32-QFP64
EFM32TG822F32-QFP48 EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64	EFM32TG822F8-QFP48
EFM32TG840F8-QFN64 EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64 EFM32TG842F16-QFP64	EFM32TG822F16-QFP48
EFM32TG840F16-QFN64 EFM32TG840F32-QFN64 EFM32TG842F8-QFP64 EFM32TG842F16-QFP64	EFM32TG822F32-QFP48
EFM32TG840F32-QFN64 EFM32TG842F8-QFP64 EFM32TG842F16-QFP64	EFM32TG840F8-QFN64
EFM32TG842F8-QFP64 EFM32TG842F16-QFP64	EFM32TG840F16-QFN64
EFM32TG842F16-QFP64	EFM32TG840F32-QFN64
	EFM32TG842F8-QFP64
EFM32TG842F32-QFP64	EFM32TG842F16-QFP64
	EFM32TG842F32-QFP64

EFM32TG108F4-QFN24T EFM32TG108F8-QFN24T EFM32TG108F16-QFN24T EFM32TG108F32-QFN24T EFM32TG110F4-QFN24T EFM32TG110F8-QFN24T EFM32TG110F16-QFN24T EFM32TG110F32-QFN24T EFM32TG210F8-QFN32T EFM32TG210F16-QFN32T EFM32TG210F32-QFN32T EFM32TG222F8-QFP48T EFM32TG222F16-QFP48T EFM32TG230F8-QFN64T EFM32TG230F16-QFN64T EFM32TG232F8-QFP64T EFM32TG232F8-QFP64T EFM32TG232F8-QFP64T EFM32TG232F32-QFP64T EFM32TG232F32-QFP64T EFM32TG232F32-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG840F8-QFN64T EFM32TG840F8-QFN64T EFM32TG840F16-QFN64T EFM32TG842F8-QFP64T	
EFM32TG108F8-QFN24T EFM32TG108F16-QFN24T EFM32TG108F32-QFN24T EFM32TG110F4-QFN24T EFM32TG110F8-QFN24T EFM32TG110F16-QFN24T EFM32TG110F32-QFN24T EFM32TG210F8-QFN32T EFM32TG210F16-QFN32T EFM32TG210F32-QFN32T EFM32TG222F8-QFP48T EFM32TG222F16-QFP48T EFM32TG230F8-QFN64T EFM32TG230F32-QFN64T EFM32TG232F8-QFP64T EFM32TG232F8-QFP64T EFM32TG232F16-QFP64T EFM32TG232F32-QFP64T EFM32TG232F32-QFP64T EFM32TG232F32-QFP64T EFM32TG232F32-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG840F8-QFN64T EFM32TG840F8-QFN64T EFM32TG840F32-QFN64T	Affected Part Numbers
EFM32TG108F16-QFN24T EFM32TG108F32-QFN24T EFM32TG110F4-QFN24T EFM32TG110F8-QFN24T EFM32TG110F16-QFN24T EFM32TG110F32-QFN24T EFM32TG210F8-QFN32T EFM32TG210F16-QFN32T EFM32TG210F32-QFN32T EFM32TG22F8-QFP48T EFM32TG22F16-QFP48T EFM32TG230F8-QFN64T EFM32TG230F32-QFN64T EFM32TG232F8-QFP64T EFM32TG232F8-QFP64T EFM32TG232F8-QFP64T EFM32TG232F32-QFP64T EFM32TG232F32-QFP64T EFM32TG232F32-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG840F8-QFN64T EFM32TG840F8-QFN64T EFM32TG840F8-QFN64T EFM32TG840F8-QFN64T	EFM32TG108F4-QFN24T
EFM32TG108F32-QFN24T EFM32TG110F4-QFN24T EFM32TG110F16-QFN24T EFM32TG110F16-QFN24T EFM32TG110F32-QFN24T EFM32TG210F8-QFN32T EFM32TG210F16-QFN32T EFM32TG210F32-QFN32T EFM32TG222F8-QFP48T EFM32TG222F16-QFP48T EFM32TG230F8-QFN64T EFM32TG230F16-QFN64T EFM32TG232F8-QFP64T EFM32TG232F8-QFP64T EFM32TG232F8-QFP64T EFM32TG232F8-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F16-QFP64T EFM32TG822F32-QFP64T EFM32TG840F8-QFN64T EFM32TG840F8-QFN64T EFM32TG840F8-QFN64T	EFM32TG108F8-QFN24T
EFM32TG110F4-QFN24T EFM32TG110F8-QFN24T EFM32TG110F16-QFN24T EFM32TG110F32-QFN24T EFM32TG210F8-QFN32T EFM32TG210F16-QFN32T EFM32TG210F32-QFN32T EFM32TG222F8-QFP48T EFM32TG222F16-QFP48T EFM32TG230F8-QFN64T EFM32TG230F32-QFN64T EFM32TG232F8-QFP64T EFM32TG232F8-QFP64T EFM32TG232F32-QFP64T EFM32TG232F32-QFP64T EFM32TG232F32-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG840F8-QFN64T EFM32TG840F8-QFN64T EFM32TG840F32-QFN64T EFM32TG840F32-QFN64T	EFM32TG108F16-QFN24T
EFM32TG110F8-QFN24T EFM32TG110F16-QFN24T EFM32TG110F32-QFN24T EFM32TG210F8-QFN32T EFM32TG210F16-QFN32T EFM32TG210F32-QFN32T EFM32TG220F32-QFN32T EFM32TG222F8-QFP48T EFM32TG222F16-QFP48T EFM32TG230F8-QFN64T EFM32TG230F16-QFN64T EFM32TG230F32-QFN64T EFM32TG232F8-QFP64T EFM32TG232F16-QFP64T EFM32TG232F32-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F32-QFP64T EFM32TG840F8-QFN64T EFM32TG840F8-QFN64T EFM32TG840F32-QFN64T EFM32TG840F32-QFN64T	EFM32TG108F32-QFN24T
EFM32TG110F16-QFN24T EFM32TG110F32-QFN24T EFM32TG210F8-QFN32T EFM32TG210F16-QFN32T EFM32TG210F32-QFN32T EFM32TG222F8-QFP48T EFM32TG222F16-QFP48T EFM32TG230F8-QFN64T EFM32TG230F16-QFN64T EFM32TG232F8-QFP64T EFM32TG232F16-QFP64T EFM32TG232F32-QFP64T EFM32TG232F32-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F8-QFP64T EFM32TG822F16-QFP64T EFM32TG822F16-QFP64T EFM32TG822F32-QFP64T EFM32TG822F16-QFP64T EFM32TG822F32-QFP64T EFM32TG822F32-QFP64T EFM32TG840F8-QFN64T EFM32TG840F8-QFN64T EFM32TG840F32-QFN64T EFM32TG840F32-QFN64T	EFM32TG110F4-QFN24T
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EFM32TG232F32-QFP64T EFM32TG822F8-QFP48T EFM32TG822F16-QFP48T EFM32TG822F32-QFP48T EFM32TG840F8-QFN64T EFM32TG840F16-QFN64T EFM32TG840F32-QFN64T EFM32TG842F8-QFP64T	EFM32TG232F8-QFP64T
EFM32TG822F8-QFP48T EFM32TG822F16-QFP48T EFM32TG822F32-QFP48T EFM32TG840F8-QFN64T EFM32TG840F16-QFN64T EFM32TG840F32-QFN64T EFM32TG842F8-QFP64T	EFM32TG232F16-QFP64T
EFM32TG822F16-QFP48T EFM32TG822F32-QFP48T EFM32TG840F8-QFN64T EFM32TG840F16-QFN64T EFM32TG840F32-QFN64T EFM32TG842F8-QFP64T	EFM32TG232F32-QFP64T
EFM32TG822F32-QFP48T EFM32TG840F8-QFN64T EFM32TG840F16-QFN64T EFM32TG840F32-QFN64T EFM32TG842F8-QFP64T	EFM32TG822F8-QFP48T
EFM32TG840F8-QFN64T EFM32TG840F16-QFN64T EFM32TG840F32-QFN64T EFM32TG842F8-QFP64T	EFM32TG822F16-QFP48T
EFM32TG840F16-QFN64T EFM32TG840F32-QFN64T EFM32TG842F8-QFP64T	EFM32TG822F32-QFP48T
EFM32TG840F32-QFN64T EFM32TG842F8-QFP64T	EFM32TG840F8-QFN64T
EFM32TG842F8-QFP64T	EFM32TG840F16-QFN64T
	EFM32TG840F32-QFN64T
EFM32TG842F16-QFP64T	EFM32TG842F8-QFP64T
	EFM32TG842F16-QFP64T
EFM32TG842F32-QFP64T	EFM32TG842F32-QFP64T

Last Date of Unchanged Product: 10/12/2015

Qualification Samples: Available upon request.



Qualification Data:

See attached qualification report below.

Process Change Notice #1507061

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Early Acceptance: Date:

Name:

Company:

Email your early Acceptance approval to: katherine.haggar@silabs.com

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EFM32TG QFN/QFP New Mold Compound Qualification Report

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TSMC Fabrica	tion, ASEKR Assembly e	xcept as note	d				
Test Name	Test Condition	Qualification	Lot ID or	Fail/Pass or	Notes	Summary	Status
		_	Start	End	Hotes	Sullillial y	Status
Test Group A - A	ccelerated Environment Stres	s Tests - QFP					
HAST	JA110		Q036888	0/29			
	130°C, 85%RH	3 lots, N=>25	Q036889	0/30	1	3 lots	Pass
	Vcc=3.3V, 96 hours		Q036892	0/30		0/89	
uHAST	JA102		Q036894	0/30			
	130°C, 85%RH	3 lots, N=>25	Q036895	0/30	1	3 lots	Pass
	96hours		Q036896	0/30		0/90	
Temp Cycle	JA104		Q036897	0/29			
	Cond C: -65°C to 150°C	3 lots, N=>25	Q036898	0/29	1	3 lots	Pass
	1000 cycles		Q036899	0/30		0/88	
HTSL	JA103		EMTG011134	0/80			
	150°C, 1000hr	3 lots, N=>25	Q036893	0/30	1	3 lots	
			EMNG011216	0/80		0/190	
Test Group A - A	ccelerated Environment Stres	s Tests - QFN					
HAST	JA110		Q036052	0/30			
	130°C, 85%RH	3 lots, N=>25	Q036051	30/30	1	3 lots	Pass
	Vcc = 3.8v, 96 hours		Q036050	0/30		30/90	
uHAST	JA102		Q036049	0/30			
	130°C, 85%RH	3 lots, N=>25	Q036048	0/30	1	3 lots	Pass
	96hours		Q036047	0/30		0/90	
Temp Cycle	JA104		Q036046	0/30			
	Cond C: -65°C to 150°C	3 lots, N=>25	Q036045	0/30	1	3 lots	Pass
	1000 cycles		Q036044	0/30		0/90	
HTSL	JA103						
	150°C, 1000hr	3 lots, N=>25	EMTG1119002	0/80	1	2 lots	
			EMNG1122001	0/80		0/160	
Test Group B - A	ccelerated Lifetime Simulatio	n Tests	<u>'</u>				
HTOL	JA108						
	125°C, Dynamic	3 lots, N=>77	C2R080	0/80		3 lots	Pass
	Vcc=3.3V, 1000 hours					0/240	
ELFR	JA108		QQ034866	0/520	1		
	125°C, Dynamic	3 lots, N=>500	QQ034602	0/500	1		Pass
	Vcc=3.3V, 48 hours		QQ034894	0/503	1	0/1523	

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EFM32TG QFN/QFP New Mold Compound Qualification Report

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TSMC Fabrication, ASEKR Assembly except as noted								
Test Group E -	Test Group E - Electrical Verification							
ESD-HBM	JA114	1 lot, N=>3	R1302-14883			±1500	Max Pass V	
ESD-CDM	JC101	1 lot, N=>3	Q036812 EMTG1119002		2	±1000 ±1000	Max Pass V Max Pass V	
Latch Up	JESD78 ±100mA	1 lot, N=>3	R1302-14883	85 °C			Pass	

Notas

- 1. Parts are Pre-conditioned at MSL3/260°C
- 2. 64 10X10 TQFP
- 3. 64 9x9 VQFN

The qualification data applies to the following part numbers:					
EFM32TG108F16-QFN24	EFM32TG210F32-QFN32	EFM32TG232F8-QFP64			
EFM32TG108F32-QFN24	EFM32TG210F8-QFN32	EFM32TG822F16-QFP48			
EFM32TG108F4-QFN24	EFM32TG222F16-QFP48	EFM32TG822F32-QFP48			
EFM32TG108F8-QFN24	EFM32TG222F32-QFP48	EFM32TG822F8-QFP48			
EFM32TG110F16-QFN24	EFM32TG222F8-QFP48	EFM32TG840F16-QFN64			
EFM32TG110F32-QFN24	EFM32TG230F16-QFN64	EFM32TG840F32-QFN64			
EFM32TG110F32UM-QFN24	EFM32TG230F32-QFN64	EFM32TG840F8-QFN64			
EFM32TG110F4-QFN24	EFM32TG230F8-QFN64	EFM32TG842F16-QFP64			
EFM32TG110F8-QFN24	EFM32TG232F16-QFP64	EFM32TG842F32-QFP64			
EFM32TG210F16-QFN32	EFM32TG232F32-QFP64	EFM32TG842F8-QFP64			