



Process Change Notice #1303251

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PCN Date: 3/25/2013		Effective Date: 6/28/2013	
Title: Si100x Revision E-GM2			
Originator: Matt Maupin		Phone: 512.464.9338	Dept: Marketing
Customer Contact: Kathy Hagger		Phone: 512.532.5261	Dept: Sales
PCN Type:			
<input checked="" type="checkbox"/> Datasheet	<input type="checkbox"/> Foundry	<input type="checkbox"/> Packing	
<input checked="" type="checkbox"/> Product Revision	<input type="checkbox"/> Assembly	<input type="checkbox"/> Labeling	
<input type="checkbox"/> Discontinuance	<input type="checkbox"/> Test	<input type="checkbox"/> Other	
Last Order Date: Not Applicable			
PCN Details			
Description of Change: Silicon Labs is pleased to announce Revision E-GM2 of the Si100x devices and version 1.3 of the corresponding datasheet for these products. The ground pad on the IC has been reduced to increase the distance between the outer edge of the pad and the pins on the device. As of the PCN effective date, customers should begin to order Si100x-E-GM2 products.			
Reason for Change: Si100x Revision E-GM2 increases the distance between the ground pad and the pins on the package. The increased tolerance improves PCB manufacturability. The PCB land pattern and PCB solder stencil specified in the datasheet for the LGA-42 package is compatible with both E-GM and E-GM2 parts. The datasheet includes updates to the LGA-42 package information to reflect the ground pad dimensions.			
Impact on Form, Fit, Function, Quality, Reliability: There is no change in form, function, quality or reliability. The PCB land pattern and PCB solder stencil specified in the datasheet for the LGA-42 package is compatible with both E-GM and E-GM2 parts. A PCB change is not necessary.			



Product Identification:

The following orderable part numbers are affected.

Current P/N	New P/N
Si1000-E-GM	Si1000-E-GM2
Si1001-E-GM	Si1001-E-GM2
Si1002-E-GM	Si1002-E-GM2
Si1003-E-GM	Si1003-E-GM2
Si1004-E-GM	Si1004-E-GM2
Si1005-E-GM	Si1005-E-GM2

Note: Affected part numbers also include tape and reel variants which are denoted with an "R" at the end of the orderable part number.

Last Date of Unchanged Product: 6/28/2013

Qualification Samples:

Samples are available upon request. Please contact your local Silicon Labs' sales representative at www.silabs.com

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.haggard@silabs.com

Qualification Data:

Qualification data for the new part numbers is available upon request. Please contact your local Silicon Labs sales representative located at www.silabs.com.