



Process Change Notice #1611164

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PCN Issue Date: 11/16/2016	Effective Date: 2/22/2017	
Title: Additional Assembly Test Ship site for Si44xx (20QFN-4x4)_SPIL-KYEC		
PCN Type:		
☐ Datasheet	☐ Foundry	☐ Packing
☐ Product Revision	☒ Assembly	☐ Labeling
☐ Discontinuance	☒ Test	☐ Other
Last Order Date: NA		
PCN Details		
Description of Change: Silicon Labs is pleased to announce the successful addition of SPIL (Siliconware Precision Industries C., Ltd.) & KYEC (King Yuan Electronics Company) Tongluo as an additional assembly & Test/ship site for the Si44xx (20QFN-4x4) products. SPIL is an existing assembly site for Silicon Labs, and is certified to ISO9001, ISO14001 and ISO/TS16949. KYEC is also an existing test supplier for Silicon Labs, certified and registered to ISO9001, ISO14001, ISO/TS16949 and a Sony Green Partner. <u>SPIL address:</u> Siliconware Precision Industries Co., Ltd. No. 153, Sec. 3, Chung Shan Road, Tantzsu, Taichung, Taiwan 427, R. O. C Tel: 886-4-2534-1525 Fax: 886-4-2533-0639 <u>KYEC address:</u> KYEC (King Yuan Electronics Company) No. 8 Tongke North Road, Tongluo Township, Miao-Li County 366, Taiwan R.O.C No change in tray, carrier tape, cover tape & reel dimensions and they are in compliance to EIA481. After the effective date of this PCN, Silicon Labs will consider SPIL & KYEC Tongluo as a qualified assembly & test/ship site for all products from these product families.		
Reason for Change: The qualification of SPIL-KYEC as a second source assembly & test site will improve Silicon Labs ability to meet customer demand.		
Impact on Form, Fit, Function, Quality, Reliability: There is no impact to form, fit, function, quality and reliability.		



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Product Identification:

SI4060-B1B-FM
SI4060-B1B-FMR
SI4063-B1B-FM
SI4063-B1B-FMR
SI4362-B1B-FM
SI4362-B1B-FMR
SI4438-B1C-FM
SI4438-B1C-FMR
SI4438-B1C-ZM1
SI4438-B1C-ZM1R
SI4460-B1B-FM
SI4460-B1B-FMR
SI4460-B1B-ZM
SI4460-B1B-ZMR
SI4460-B1B-ZM1
SI4460-B1B-ZM1R
SI4461-B1B-FM
SI4461-B1B-FMR
SI4463-B1B-FM
SI4463-B1B-FMR
SI4463-B1B-ZM1
SI4463-B1B-ZM1R
SI4464-B1B-FM
SI4464-B1B-FMR

Last Date of Unchanged Product: 2/22/2017

Qualification Samples:

Samples are available upon request. Please contact your local sales representative to order samples

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.

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.hagggar@silabs.com

Qualification Data:

Please see appendix below for assembly qualification. The test qualification report is available upon request.

Appendix A– Assembly Qual Report

Si44xx 20 QFN 4x4 Qualification Report							
		W7101F1 - Product Qualification Report Record			Rev. I		
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Part Rev B1, TSMC Fabrication, SPIL Assembly except as noted							
Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status
Test Group A – Accelerated Environment Stress Tests							
HAST	JA110	3 lots, N=>25	Q039604	0/30		3 lots 0/90	Pass
	130°C, 85%RH		Q039603	0/30			
	Vcc=VccV, 96 hours		Q039602	0/30			
Temp Cycle	JA104	3 lots, N=>25	Q039598	0/30		3 lots 0/90	Pass
	Cond C: -65°C to 150°C		Q039597	0/30			
	500 cycles		Q039596	0/30			
HTSL	JA103	3 lots, N=>25	Q039595	0/30		3 lots 0/90	Pass
	150°C, 1000hr		Q039594	0/30			
			Q039593	0/30			
Test Group E – Electrical Verification							
ESD-CDM	JS-002	1 lot, N=>3	Q039605			1KV	Class C2B

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

This report applies to the following part numbers:		
Si4460-B1B-FM	Si4060-B1B-FM	Si4438-B1C-ZM1
Si4461-B1B-FM	Si4063-B1B-FM	Si4460-B1B-ZM1
Si4463-B1B-FM	Si4362-B1B-FM	Si4463-B1B-ZM1
Si4464-B1B-FM	Si4438-B1C-FM	Si4460-B1B-ZM

Approved by: Ramon Ponsones

1 of 1

Prepared on: 07-Nov-16