



Process Change Notice #1505111

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PCN Date: 5/11/2015		Effective Date: 8/17/2015
Title: Si476X-AXX-AM/GM Assembly & Test Site Addition (ASECL)		
Originator: Alick Einav	Phone: +1-512-428-1652	Dept: Marketing
Customer Contact: Kathy Haggar	Phone: +1-512-532-5261	Dept: Sales
PCN Type: <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		
Last Order Date: Not Applicable		
PCN Details		
Description of Change: Silicon Labs is pleased to announce the successful addition of ASECL (Advanced Semiconductor Engineering Chung Li) as an additional Assembly and Final Test site for the Si476X-AXX-AM/GM products. ASECL is an existing Assembly and Test site for Silicon Labs, and is certified to ISO9001, ISO14001 and ISO/TS16949. ASECL address: ASE (Chung-Li) INC. 550, Chung-Hwa road section 1 Chung Li 320, Taiwan, ROC		
As of the effective date of the PCN, Silicon Labs will test and ship orders from either of the qualified Assembly and Test sites.		
The following table shows the BOM of both sites:		
	SPIL	ASECL
Package Type :	40L QFN 6x6mm	40L QFN 6x6mm
Lead Frame :	Etched, Copper C194, NiPdAu u-PPF	Etched, Copper C194, NiPdAu u-PPF
	SPIL Part#: 1L03976	ASECL Part#: 0040PN008F03
Die Paddle Size :	4.50 x 4.50 mm	4.50 x 4.50 mm
Die Attach Epoxy :	Sumitomo 1033BF	Hitachi EN4900
Bond Wire :	0.8mil, 2N Gold	0.8 mil, 2N Gold
Mold Compound :	Sumitomo EME-G770	Sumitomo EME-G700LY
Lead Finish :	NiPdAu u-PPF	NiPdAu u-PPF
Reason for Change: Increase assembly and test capacity and ensure dual sourcing.		



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

Change in BOM as specified in the BOM table above. No changes to Fit, Function, Quality and Reliability



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Product Identification:

This change notification applies to the following part numbers:

SI4760-A10-AM	SI4760-A10-AMR	SI4760-A10-GM	SI4760-A10-GMR
SI4760-A20-AM	SI4760-A20-AMR	SI4760-A20-GM	SI4760-A20-GMR
SI4760-A30-AM	SI4760-A30-AMR	SI4760-A30-GM	SI4760-A30-GMR
SI4760-A42-AM	SI4760-A42-AMR	SI4760-A42-GM	SI4760-A42-GMR
SI4761-A10-AM	SI4761-A10-AMR	SI4761-A10-GM	SI4761-A10-GMR
SI4761-A20-AM	SI4761-A20-AMR	SI4761-A20-GM	SI4761-A20-GMR
SI4761-A30-AM	SI4761-A30-AMR	SI4761-A30-GM	SI4761-A30-GMR
SI4761-A42-AM	SI4761-A42-AMR	SI4761-A42-GM	SI4761-A42-GMR

SI4762-A10-AM	SI4762-A10-AMR	SI4762-A10-GM	SI4762-A10-GMR
SI4762-A20-AM	SI4762-A20-AMR	SI4762-A20-GM	SI4762-A20-GMR
SI4762-A30-AM	SI4762-A30-AMR	SI4762-A30-GM	SI4762-A30-GMR
SI4762-A42-AM	SI4762-A42-AMR	SI4762-A42-GM	SI4762-A42-GMR

SI4763-A10-AM	SI4763-A10-AMR	SI4763-A10-GM	SI4763-A10-GMR
SI4763-A20-AM	SI4763-A20-AMR	SI4763-A20-GM	SI4763-A20-GMR
SI4763-A30-AM	SI4763-A30-AMR	SI4763-A30-GM	SI4763-A30-GMR
SI4763-A42-AM	SI4763-A42-AMR	SI4763-A42-GM	SI4763-A42-GMR

SI4764-A10-AM	SI4764-A10-AMR	SI4764-A10-GM	SI4764-A10-GMR
SI4764-A20-AM	SI4764-A20-AMR	SI4764-A20-GM	SI4764-A20-GMR
SI4764-A30-AM	SI4764-A30-AMR	SI4764-A30-GM	SI4764-A30-GMR
SI4764-A42-AM	SI4764-A42-AMR	SI4764-A42-GM	SI4764-A42-GMR

SI4765-A10-AM	SI4765-A10-AMR	SI4765-A10-GM	SI4765-A10-GMR
SI4765-A20-AM	SI4765-A20-AMR	SI4765-A20-GM	SI4765-A20-GMR
SI4765-A30-AM	SI4765-A30-AMR	SI4765-A30-GM	SI4765-A30-GMR
SI4765-A42-AM	SI4765-A42-AMR	SI4765-A42-GM	SI4765-A42-GMR

SI4766-A10-AM	SI4766-A10-AMR	SI4766-A10-GM	SI4766-A10-GMR
SI4766-A20-AM	SI4766-A20-AMR	SI4766-A20-GM	SI4766-A20-GMR
SI4766-A30-AM	SI4766-A30-AMR	SI4766-A30-GM	SI4766-A30-GMR
SI4766-A42-AM	SI4766-A42-AMR	SI4766-A42-GM	SI4766-A42-GMR

SI4767-A10-AM	SI4767-A10-AMR	SI4767-A10-GM	SI4767-A10-GMR
SI4767-A20-AM	SI4767-A20-AMR	SI4767-A20-GM	SI4767-A20-GMR
SI4767-A30-AM	SI4767-A30-AMR	SI4767-A30-GM	SI4767-A30-GMR
SI4767-A42-AM	SI4767-A42-AMR	SI4767-A42-GM	SI4767-A42-GMR

SI4768-A10-AM	SI4768-A10-AMR	SI4768-A10-GM	SI4768-A10-GMR
SI4768-A20-AM	SI4768-A20-AMR	SI4768-A20-GM	SI4768-A20-GMR



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SI4768-A30-AM	SI4768-A30-AMR	SI4768-A30-GM	SI4768-A30-GMR
SI4768-A41-AM	SI4768-A41-AMR	SI4768-A41-GM	SI4768-A41-GMR
SI4769-A10-AM	SI4769-A10-AMR	SI4769-A10-GM	SI4769-A10-GMR
SI4769-A20-AM	SI4769-A20-AMR	SI4769-A20-GM	SI4769-A20-GMR
SI4769-A30-AM	SI4769-A30-AMR	SI4769-A30-GM	SI4769-A30-GMR
SI4769-A41-AM	SI4769-A41-AMR	SI4769-A41-GM	SI4769-A41-GMR
Last Date of Unchanged Product: 8/17/2015			
Qualification Samples: Available upon request.			



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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/Samples:

Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status
Test Group A - Accelerated Environment Stress Tests - ASECL assembly							
HAST	JA110 130°C, 85%RH Vcc=5.5V, 96 hours	3 lots, N=>77	Q33311	0/84	1	3 lots	Pass
			Q33307	0/84	1		
			Q33304	0/83	1		
UHAST	JA118 130°C, 85%RH 96 hours	3 lots, N=>77	Q33312	0/84	1	3 lots	Pass
			Q33310	0/85	1		
			Q33306	0/84	1		
Temp Cycle	JA104 Cond C: -65°C to 150°C 500 cycles	3 lots, N=>77	Q33313	0/84	1	3 lots	Pass
			Q33309	0/85	1		
			Q33305	0/83	1		
HTSL	JA103 150°C, 1000hr	1 lot, N=>45	Q33308	0/85	1	1 lot 0/85	Pass

Notes:

1. Qualification preceded by MSL2 @ 260 preconditioning.