



Process Change Notice #1002101

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PCN Date: 10Feb10		Effective Date: 10Feb10	
Title: MCU 32-LQFP-7X7-LF & 14-SOIC-150-LF Device Family Test Site Expansion - ASECL			
Originator: Chee Yi Yin		Phone: +65 - 6511 7749	Dept: Supplier Quality
Customer Contact: Kathy Haggar		Phone: +1.512.532.5261	Dept: Inside Sales
PCN Type:			
<input type="checkbox"/> Assembly	<input type="checkbox"/> Discontinuance	<input type="checkbox"/> Package	<input checked="" type="checkbox"/> Test
<input type="checkbox"/> Datasheet	<input type="checkbox"/> Fabrication	<input type="checkbox"/> Product Revision	
<input type="checkbox"/> Packing	<input type="checkbox"/> Labeling	<input checked="" type="checkbox"/> Location	<input type="checkbox"/> Other
Last Order Date: 10Feb10			
PCN Details			
Description of Change:			
<p>Silicon Labs is pleased to announce the successful qualification of ASE Chung-Li (ASECL) as an alternative Test Site and Shipping Location for the MCU 32-LQFP-7X7-LF & 14-SOIC-150-LF Device Family. ASECL is an existing Test Site and Shipping Location for Silicon Labs. It is certified to ISO9001, ISO14001, ISO/TS16949 and is a Sony Green Partner.</p> <p>ASECL uses the same testing and handling equipment, hardware and test programs used at all other Silicon Labs' approved final test locations for the MCU 32-LQFP-7X7-LF & 14-SOIC-150-LF Device Family. The MCU 32-LQFP-7X7-LF & 14-SOIC-150-LF Device Family tested at ASECL will fully comply with datasheet parameters and quality levels.</p> <p>The packing material from ASECL may be provided by different packing material suppliers, however, all packing materials are Silicon Labs qualified packing materials and meet JEDEC requirements.</p>			
Reason for Change:			
<p>Increase test capacity for MCU 32-LQFP-7X7-LF & 14-SOIC-150-LF Device Family to improve on time performance to customer requested delivery dates.</p>			
Impact on Form, Fit, Function, Quality, Reliability:			
<p>There is no impact to form, fit or function of the MCU 32-LQFP-7X7-LF & 14-SOIC-150-LF Device Family. The MCU 32-LQFP-7X7-LF & 14-SOIC-150-LF Devices will comply with Silicon Labs' relevant datasheets and quality levels.</p> <p>There are no changes in packing material dimensions that may affect customer application.</p>			

Product Identification:

The ship-from location on 3S and shipping labels on outer box will reflect ASE Chung-Li's address.

3S Label: Located on the outer box

From:	ASE (Chung-Li) Inc. 550 Chung-Hwa Road, Sec. 1 Chung-Li, TW 320
To:	Shipment address
(K) TRANS ID: NCD00293	
(3S) PKG ID: 10226292	
(P) CUST PROD ID:	
(Q) QUANTITY: 2880	
(1P) SUPPLIER PROD ID: SI8421AB-C-IS	
DESCRIPTION:	ESD SENSITIVE MATERIAL
Package Count:	1 OF 1
Package Weight:	LB

Shipping Label: Located on the outer box

80095385
From:
ASE (Chung-Li) Inc. 550 Chung-Hwa Road, Sec. 1 Chung-Li, TW 320
To:
Attention:
Shipment Address

The affected part numbers are listed in Appendix A.



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Last Date of Unchanged Product:

The MCU 32-LQFP-7X7-LF & 14-SOIC-150-LF Device Family tested at ASECL will begin shipping on 10Feb10.

Qualification Samples: N/A

Qualification Data:

The MCU 32-LQFP-7X7-LF & 14-SOIC-150-LF Device Family was qualified in accordance with Silicon Labs specification QS7107 - Offshore Test Transfer.

Device : 32-LQFP-7X7-LF & 14-SOIC-150-LF device family

Qualification Tests	Test Golden Units. Test Results Reviewed by Silicon Labs PTE	Test Passing Correlation Units (All Must Pass)	Test Reject Correlation Units (All Must Fail)	Test Qualification Lot(s). 100% Retest of Good Devices.
Results	Passed	Passed	Passed	Passed

Appendix A: Affected Part Numbers

Package Type	Order Part Number(OPN)
32-LQFP-7X7-LF	C8051F007-GQ
32-LQFP-7X7-LF	C8051F007-GQR
32-LQFP-7X7-LF	C8051F012-GQ
32-LQFP-7X7-LF	C8051F012-GQR
32-LQFP-7X7-LF	C8051F017-GQ
32-LQFP-7X7-LF	C8051F017-GQR
32-LQFP-7X7-LF	C8051F221-GQ
32-LQFP-7X7-LF	C8051F221-GQR
32-LQFP-7X7-LF	C8051F231-GQ
32-LQFP-7X7-LF	C8051F231-GQR
32-LQFP-7X7-LF	C8051F310-GQ
32-LQFP-7X7-LF	C8051F310-GQR
32-LQFP-7X7-LF	C8051F312-GQ
32-LQFP-7X7-LF	C8051F312-GQR
32-LQFP-7X7-LF	C8051F314-GQ
32-LQFP-7X7-LF	C8051F314-GQR
32-LQFP-7X7-LF	C8051F320-GQ
32-LQFP-7X7-LF	C8051F320-GQR
32-LQFP-7X7-LF	C8051F342-GQ
32-LQFP-7X7-LF	C8051F342-GQR
32-LQFP-7X7-LF	C8051F343-GQ
32-LQFP-7X7-LF	C8051F343-GQR
32-LQFP-7X7-LF	C8051F346-GQ
32-LQFP-7X7-LF	C8051F346-GQR
32-LQFP-7X7-LF	C8051F347-GQ
32-LQFP-7X7-LF	C8051F347-GQR
32-LQFP-7X7-LF	C8051F349-GQ
32-LQFP-7X7-LF	C8051F349-GQR
32-LQFP-7X7-LF	C8051F34A-GQ
32-LQFP-7X7-LF	C8051F34A-GQR
32-LQFP-7X7-LF	C8051F34B-GQ
32-LQFP-7X7-LF	C8051F34B-GQR
32-LQFP-7X7-LF	C8051F34D-GQ
32-LQFP-7X7-LF	C8051F34D-GQR
32-LQFP-7X7-LF	C8051F350-GQ
32-LQFP-7X7-LF	C8051F350-GQR
32-LQFP-7X7-LF	C8051F352-GQ
32-LQFP-7X7-LF	C8051F352-GQR

Package Type	Order Part Number(OPN)
32-LQFP-7X7-LF	C8051T612-GQ
32-LQFP-7X7-LF	C8051T612-GQR
32-LQFP-7X7-LF	C8051T614-GQ
32-LQFP-7X7-LF	C8051T614-GQR
32-LQFP-7X7-LF	CF012-PX0005GQ
32-LQFP-7X7-LF	CF012-PX0005GQR
32-LQFP-7X7-LF	CF310-PX0188GQ
32-LQFP-7X7-LF	CF310-PX0188GQR
32-LQFP-7X7-LF	CF320-XM0480GQ
32-LQFP-7X7-LF	CF320-XM0480GQR
32-LQFP-7X7-LF	CF320-XM0513GQ
32-LQFP-7X7-LF	CF320-XM0513GQR
32-LQFP-7X7-LF	CF342-SX0503GQ
32-LQFP-7X7-LF	CF342-SX0503GQR
32-LQFP-7X7-LF	CF342-XM0486GQ
32-LQFP-7X7-LF	CF342-XM0486GQR
32-LQFP-7X7-LF	CF347-PM0502GQ
32-LQFP-7X7-LF	CF347-PM0502GQR
32-LQFP-7X7-LF	CF412-PM0379GQ
32-LQFP-7X7-LF	CF412-PM0379GQR
32-LQFP-7X7-LF	CF412-SM0350GQ
32-LQFP-7X7-LF	CF412-SM0350GQR
32-LQFP-7X7-LF	CF412-XM0293GQ
32-LQFP-7X7-LF	CF412-XM0293GQR
32-LQFP-7X7-LF	CF412-XM0411GQ
32-LQFP-7X7-LF	CF412-XM0411GQR
14-SOIC-150-LF	C8051F300-GS
14-SOIC-150-LF	C8051F300-GSR
14-SOIC-150-LF	C8051F301-GS
14-SOIC-150-LF	C8051F301-GSR
14-SOIC-150-LF	C8051F302-GS
14-SOIC-150-LF	C8051F302-GSR
14-SOIC-150-LF	C8051F303-GS
14-SOIC-150-LF	C8051F303-GSR
14-SOIC-150-LF	C8051F304-GS
14-SOIC-150-LF	C8051F304-GSR
14-SOIC-150-LF	C8051F305-GS
14-SOIC-150-LF	C8051F305-GSR

Appendix A: Affected Part Numbers (cont)

Package Type	Order Part Number(OPN)	Package Type	Order Part Number(OPN)
32-LQFP-7X7-LF	C8051F361-GQ	14-SOIC-150-LF	C8051T600-GS
32-LQFP-7X7-LF	C8051F361-GQR	14-SOIC-150-LF	C8051T600-GSR
32-LQFP-7X7-LF	C8051F364-GQ	14-SOIC-150-LF	C8051T601-GS
32-LQFP-7X7-LF	C8051F364-GQR	14-SOIC-150-LF	C8051T601-GSR
32-LQFP-7X7-LF	C8051F366-GQ	14-SOIC-150-LF	C8051T602-GS
32-LQFP-7X7-LF	C8051F366-GQR	14-SOIC-150-LF	C8051T602-GSR
32-LQFP-7X7-LF	C8051F368-GQ	14-SOIC-150-LF	C8051T603-GS
32-LQFP-7X7-LF	C8051F368-GQR	14-SOIC-150-LF	C8051T603-GSR
32-LQFP-7X7-LF	C8051F412-GQ	14-SOIC-150-LF	C8051T604-GS
32-LQFP-7X7-LF	C8051F412-GQR	14-SOIC-150-LF	C8051T604-GSR
32-LQFP-7X7-LF	C8051F920-GQ	14-SOIC-150-LF	C8051T605-GS
32-LQFP-7X7-LF	C8051F920-GQR	14-SOIC-150-LF	C8051T605-GSR
32-LQFP-7X7-LF	C8051F930-GQ	14-SOIC-150-LF	CT600-PX0422GS
32-LQFP-7X7-LF	C8051F930-GQR	14-SOIC-150-LF	CT600-PX0422GSR
32-LQFP-7X7-LF	C8051T610-GQ	14-SOIC-150-LF	CT605-PX0481GS
32-LQFP-7X7-LF	C8051T610-GQR	14-SOIC-150-LF	CT605-PX0481GSR

Note: Affected Part Numbers also include all custom parts made from the listed base parts