



# Process Change Notice #1003231

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<b>PCN Date:</b> 23Mar10		<b>Effective Date:</b> 23Mar10	
<b>Title:</b> MCU 100-TQFP-14X14-LF Family Test Site Expansion-ASECL			
<b>Originator:</b> Yi Yin Chee		<b>Phone:</b> +65 - 6511 7749	<b>Dept:</b> Supplier Quality
<b>Customer Contact:</b> Kathy Haggar		<b>Phone:</b> +1.512.532.5261	<b>Dept:</b> Inside Sales
<b>PCN Type:</b>			
<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 checked="" type="checkbox"/> Packing	<input type="checkbox"/> Labeling	<input checked="" type="checkbox"/> Location	<input type="checkbox"/> Other
<b>Last Order Date:</b> 23Mar10			
<b>PCN Details</b>			
<b>Description of Change:</b>			
<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 100-TQFP-14X14-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 100-TQFP-14X14-LF Device Family. The MCU 100-TQFP-14X14-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 and meet JEDEC requirements.</p>			
<b>Reason for Change:</b>			
<p>Increase test capacity for MCU 100-TQFP-14X14-LF Device Family, improving Silicon Lab's on time performance to our customer requested delivery dates.</p>			
<b>Impact on Form, Fit, Function, Quality, Reliability:</b>			
<p>There is no impact to form, fit or function of the MCU 100-TQFP-14X14-LF Device Family. The MCU 100-TQFP-14X14-LF Device Family 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:**

See Appendix A for Affected Part Numbers.

The ship-from location on 3S and shipping labels on outer box will reflect ASECL 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:	
<b>ESD SENSITIVE MATERIAL</b>	
Package Count:	Package Weight:
1 OF 1	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

<p><b>Last Date of Unchanged Product:</b> 23Mar10</p> <p>Following the Effective Date of this PCN, Silicon Laboratories may utilize any of the qualified test sites to schedule and fulfill orders for the affected products.</p>										
<p><b>Qualification Samples:</b> N/A</p>										
<p><b>Customer Early Acceptance Sign Off:</b></p> <p>Customers may approve early PCN acceptance by completing the information below:</p> <p>Early Acceptance Date:                  Name:                                  Company:</p> <p>Email your early Acceptance approval to: <a href="mailto:katherine.haggard@silabs.com">katherine.haggard@silabs.com</a></p>										
<p><b>Qualification Data:</b></p> <p>The MCU 100-TQFP-14X14-LF Device Family tested at ASECL was qualified in accordance with Silicon Labs specification QS7107 - Offshore Test Transfer.</p> <p style="text-align: center;">Device : 100-TQFP-14X14-LF Family</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px auto;"> <thead> <tr> <th style="width: 20%;">Qualification Tests</th> <th style="width: 20%;">Test Golden Units. Test Results Reviewed by Silicon Labs PTE</th> <th style="width: 20%;">Test Passing Correlation Units (All Must Pass)</th> <th style="width: 20%;">Test Reject Correlation Units (All Must Fail)</th> <th style="width: 20%;">Test Qualification Lot(s). 100% Retest of Good Devices.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>Results</b></td> <td style="text-align: center;"><b>Passed</b></td> <td style="text-align: center;"><b>Passed</b></td> <td style="text-align: center;"><b>Passed</b></td> <td style="text-align: center;"><b>Passed</b></td> </tr> </tbody> </table>	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.	<b>Results</b>	<b>Passed</b>	<b>Passed</b>	<b>Passed</b>	<b>Passed</b>
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.						
<b>Results</b>	<b>Passed</b>	<b>Passed</b>	<b>Passed</b>	<b>Passed</b>						

## Appendix A - Affected Part Numbers

Affected Ordering Part Numbers		
C8051F020-GQ	C8051F062-GQ	C8051F126-GQ
C8051F020-GQR	C8051F062-GQR	C8051F126-GQR
C8051F022-GQ	C8051F064-GQ	C8051F130-GQ
C8051F022-GQR	C8051F064-GQR	C8051F130-GQR
C8051F040-GQ	C8051F066-GQ	C8051F132-GQ
C8051F040-GQR	C8051F066-GQR	C8051F132-GQR
C8051F042-GQ	C8051F120-GQ	CF022-PM0442GQ
C8051F042-GQR	C8051F120-GQR	CF022-PM0442GQR
C8051F046-GQ	C8051F122-GQ	CF022-PM0443GQ
C8051F046-GQR	C8051F122-GQR	CF022-PM0443GQR
C8051F060-GQ	C8051F124-GQ	CF120-XM0232GQ
C8051F060-GQR	C8051F124-GQR	CF120-XM0232GQR

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