



# Process Change Notice #1407291

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<b>PCN Date: 7/29/2014</b>		<b>Effective Date: 11/4/2014</b>																																	
<b>Title: Si3226x-C Capacity Expansion through the addition of Vanguard Fab</b>																																			
<b>Originator: Brad Seegmiller</b>		<b>Phone: 512-532-5724</b>	<b>Dept: APS Marketing</b>																																
<b>Customer Contact: Kathy Haggar</b>		<b>Phone: 512-532-5261</b>	<b>Dept: Sales</b>																																
<b>PCN Type:</b> <input type="checkbox"/> Datasheet <input checked="" type="checkbox"/> Foundry <input type="checkbox"/> Packing <input type="checkbox"/> Product Revision <input type="checkbox"/> Assembly <input type="checkbox"/> Labeling <input type="checkbox"/> Discontinuance <input type="checkbox"/> Test <input type="checkbox"/> Other																																			
<b>Last Order Date: Not Applicable</b>																																			
<b>PCN Details</b>																																			
<b>Description of Change:</b> <p>Silicon Labs is pleased to announce the addition of Vanguard International Semiconductor (VIS) as a second wafer fab for the high voltage die used in the Si3226x-C product family of two-channel ProSLIC devices.</p> <p>There are no changes in product fit, function, quality, reliability or specifications as a result of sourcing wafers from Vanguard.</p> <p>No datasheet changes have occurred. No hardware or software changes are required.</p> <p>After the effective date, Silicon Labs will schedule and fulfill orders from both Telefunken and Vanguard high voltage fabs.</p>																																			
<b>Reason for Change:</b> Increase production capacity and reduce lead time.																																			
<b>Impact on Form, Fit, Function, Quality, Reliability:</b> No change to fit, function, quality or reliability. The form could contain either the Telefunken or the Vanguard high voltage die.																																			
<b>Product Identification:</b> <table border="1"> <tr> <td>Si32260-C-FM1</td> <td>Si32260-C-FM1R</td> <td>Si32260-C-FM2</td> <td>Si32260-C-FM2R</td> </tr> <tr> <td>Si32260-C-GM1</td> <td>Si32260-C-GM1R</td> <td>Si32260-C-GM2</td> <td>Si32260-C-GM2R</td> </tr> <tr> <td>Si32261-C-FM1</td> <td>Si32261-C-FM1R</td> <td>Si32261-C-FM2</td> <td>Si32261-C-FM2R</td> </tr> <tr> <td>Si32261-C-GM1</td> <td>Si32261-C-GM1R</td> <td>Si32261-C-GM2</td> <td>Si32261-C-GM2R</td> </tr> <tr> <td>Si32266-C-FM1</td> <td>Si32266-C-FM1R</td> <td>Si32266-C-GM1</td> <td>Si32266-C-GM1R</td> </tr> <tr> <td>Si32267-C-FM1</td> <td>Si32267-C-FM1R</td> <td>Si32267-C-GM1</td> <td>Si32267-C-GM1R</td> </tr> <tr> <td>Si32268-C-FM1</td> <td>Si32268-C-FM1R</td> <td>Si32268-C-GM1</td> <td>Si32268-C-GM1R</td> </tr> <tr> <td>Si32269-C-FM1</td> <td>Si32269-C-FM1R</td> <td>Si32269-C-GM1</td> <td>Si32269-C-GM1R</td> </tr> </table>				Si32260-C-FM1	Si32260-C-FM1R	Si32260-C-FM2	Si32260-C-FM2R	Si32260-C-GM1	Si32260-C-GM1R	Si32260-C-GM2	Si32260-C-GM2R	Si32261-C-FM1	Si32261-C-FM1R	Si32261-C-FM2	Si32261-C-FM2R	Si32261-C-GM1	Si32261-C-GM1R	Si32261-C-GM2	Si32261-C-GM2R	Si32266-C-FM1	Si32266-C-FM1R	Si32266-C-GM1	Si32266-C-GM1R	Si32267-C-FM1	Si32267-C-FM1R	Si32267-C-GM1	Si32267-C-GM1R	Si32268-C-FM1	Si32268-C-FM1R	Si32268-C-GM1	Si32268-C-GM1R	Si32269-C-FM1	Si32269-C-FM1R	Si32269-C-GM1	Si32269-C-GM1R
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<b>Last Date of Unchanged Product: 11/4/2014</b>																																			



Appendix A Qualification Report

Si3226x-C Vanguard Qualification Report



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Si3226x Part RevC, SMC & Vanguard Fabrication, ASEKR Assembly							
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 110 °C, 85%RH Vcc=3.6V, 264 hours	3 lots, N=>25	Q35817	0/28	1	3 lots 0/84	Pass
			Q35882	0/28	1		
			Q35883	0/28	1		
Temp Cycle	JA104 Cond C: -65 °C to 150 °C 500 cycles	3 lots, N=>25	Q35010	0/30	1	3 lots 0/90	Pass
			Q35016	0/30	1		
			Q35013	0/30	1		
HTSL	JA103 150 °C, 1000hr	3 lots, N=>25	Q35009	0/30	1	3 lots 0/90	Pass
			Q35015	0/30	1		
			Q35012	0/30	1		
Test Group B - Accelerated Lifetime Simulation Tests							
HTOL	JA108 125 °C, Dynamic Vcc=3.6V, 1000 hours	3 lots, N=>77	Q35023	0/84		3 lots 0/249	Pass
			Q35024	0/85			
			Q35468	0/80			
LTOL	JA108 -10 °C, Dynamic Vcc=3.6V, 1000 hours	1 lot, N=>32	Q35042	0/30		1 lots 0/30	Pass
ELFR	JA108 125 °C, Dynamic Vcc=3.6V, 48 hours	3 lots, N=>500	Q35456	0/518		3 lots 0/1556	Pass
			Q35518	0/519			
			Q35519	0/519			
Test Group E - Electrical Verification							
ESD-HBM	JA114	1 lot, N=>3	Q35051	0/3	2	1 lot 0/3	±2000 V
ESD-CDM	JC101	1 lot, N=>3	Q35050	0/3		1 lot 0/3	±1000 V
Latch Up	JESD78 ±200mA	1 lot, N=>6	Q35063 Q35062	0/6 0/6			86 °C 25 °C

Notes:

1. Parts are Pre-conditioned at MSL3/260 °C
2. Passes 2000V HBM ESD with exception of DCFFA and DCFFb pins. Passes 1000V HBM ESD with all pins included

This report applies to the following part numbers:			
Si32260-C-FM1	Si32266-C-FM1	Si32260-C-FM2	Si32266-C-GM1
Si32260-C-GM1	Si32267-C-FM1	Si32260-C-GM2	Si32267-C-GM1
Si32261-C-FM1	Si32268-C-FM1	Si32261-C-FM2	Si32268-C-GM1
Si32261-C-GM1	Si32269-C-FM1	Si32261-C-GM2	Si32269-C-GM1