



170918165 New Assembly & Test Site For Select 28-pin QFN Video Products

PCN Issue Date: 9/18/2017

Effective Date: 12/21/2017

PCN Type: Assembly; Test

Description of Change

Silicon Labs announces the planned addition of Jiangsu Changjiang Electronics Tech. Co. (JCET) as an alternate assembly and test site for select video products available in a 28-pin QFN package. JCET is certified to ISO9001, ISO14001, TS16949, and SONY GREEN Partner. The shipping site location is:

Jiangsu Changjiang Electronics Technology Co.,Ltd.
No.275, Binjiang Rd, Jiangyin
Jiangsu, China

Reason for Change

This change will allow Silicon Labs the flexibility to ship the selected products from multiple facilities and to ensure production capacity in assembly and test.

Impact on Form, Fit, Function, Quality, Reliability

None.

Product Identification

Existing Part #
SI2127-A30-GM
SI2127-A30-GMR
SI2137-A30-GM
SI2137-A30-GMR
SI2147-A30-GM
SI2147-A30-GMR
SI2157-A30-GM
SI2157-A30-GMR
SI2158-B40-GM
SI2158-B40-GMR
SI2177-A30-GM
SI2177-A30-GMR
SI2178-B40-GM
SI2178-B40-GMR
SI2178-B50-GM
SI2178-B50-GMR

Last Date of Unchanged Product: 12/21/2017

Qualification Samples

Available upon request.

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 <http://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: PCNEarlyAcceptance@silabs.com

User Registration

Register today to create your account on Silabs.com. Your personalized profile allows you to receive technical document updates, new product announcements, "how-to" and design documents, product change notices (PCN) and other valuable content available only to registered users. <http://www.silabs.com/profile>

Qualification Data

Please see attached Qualification Report.



Si2127, Si2137, Si2147, Si2157, Si2158, Si2177, Si2178 Qualification Report

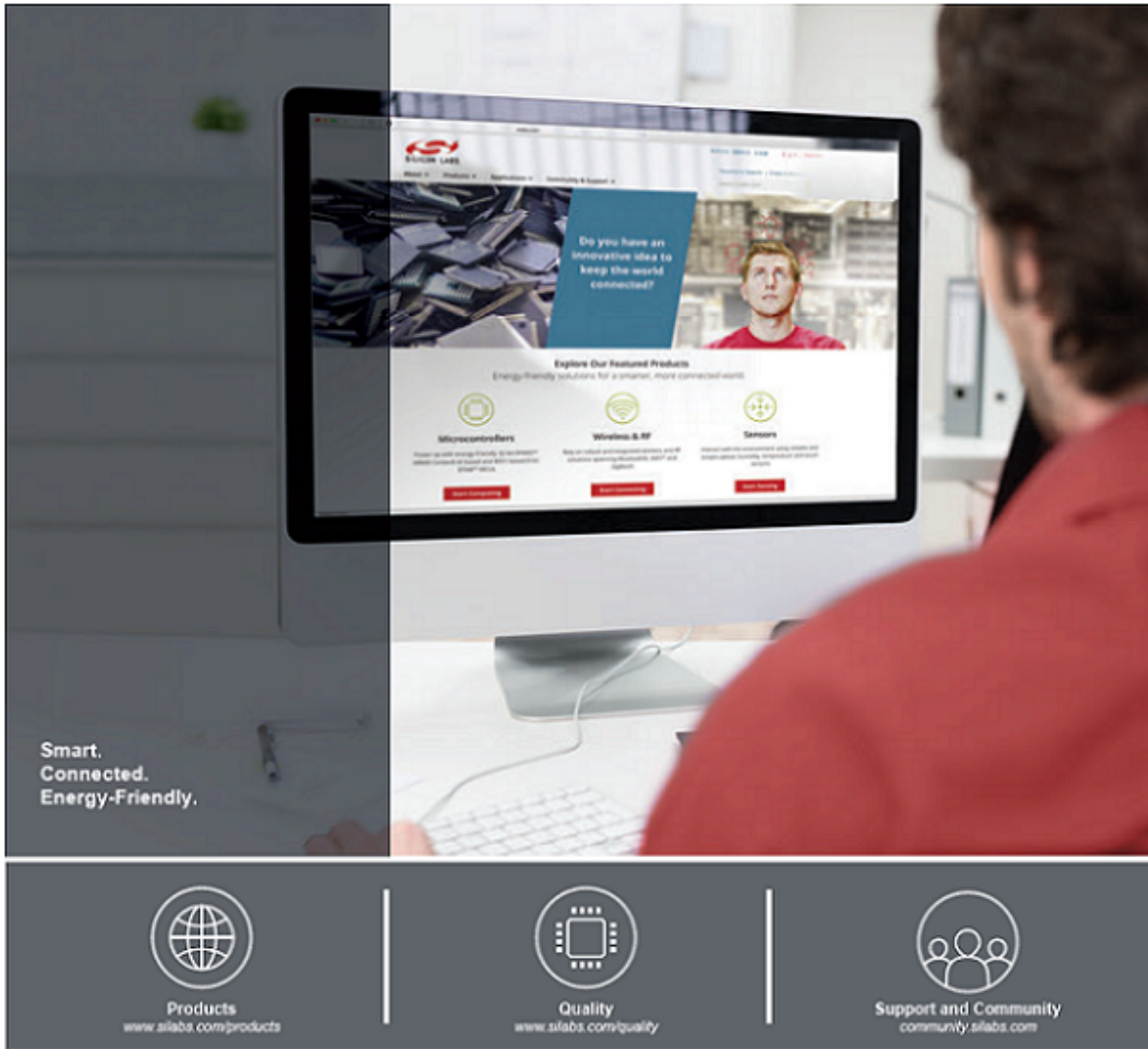
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Part Rev B, SMIC Fabrication, JCET Assembly except as noted							
Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass or End	Notes	Summary	Status
Test Group A – Accelerated Environment Stress Tests							
HAST	JA110 130°C, 85%RH Vcc=3.6V, 96 hours	3 lots, N=>25	Q041867	0/25		3 lots 0/75	Pass
			Q041865	0/25			
			Q041866	0/25			
Temp Cycle	JA104 Cond C: -65°C to 150°C 500 cycles	3 lots, N=>25	Q041679	0/25		3 lots 0/75	Pass
			Q041678	0/25			
			Q041677	0/25			
HTSL	JA103 150°C, 1000hr	3 lots, N=>25	Q041891	0/25		3 lots 0/75	Pass
			Q041892	0/25			
			Q041893	0/25			
Moisture/Reflow Sensitivity (MSL2)	JA113 Reflow 3x @ 260°C, 85°C 168h, 60%RH, MSL2	3 lots, N=>25	Q041594	0/150	2	3 lots 0/450	Pass
			Q041593	0/150	2		
			Q041592	0/150	2		
Test Group E – Electrical Verification							
ESD-CDM	JESD22-C101	1 lot, N=>3	Q041525	0/3	3	750 V	Class III

Notes:

1. Package qual for new assembly site, JCET (QP01460), 28-QFN-4x4
2. Parts are Pre-conditioned at MSL2/260°C
3. QBS to QP01462

This report applies to the following part numbers:	
Si2127-A30-GM	Si2127-A30-GMR
Si2137-A30-GM	Si2137-A30-GMR
Si2147-A30-GM	Si2147-A30-GMR
Si2157-A30-GM	Si2157-A30-GMR
Si2177-A30-GM	Si2177-A30-GMR
Si2158-B40-GM	Si2158-B40-GMR
Si2178-B40-GM	Si2178-B40-GMR
Si2178-B50-GM	Si2178-B50-GMR



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