



2108171113 Change to Double Sided Lead Frame for Si106x & Si108x

PCN Issue Date: Aug 17, 2021

Effective Date: Nov 23, 2021

PCN Type: Assembly

Description of Change

Silicon Labs is pleased to announce the successful qualification of HDS double sided lead frame for Si106x and Si108x.

The change is from HDS single sided to double sided plating lead frame. Parts with new lead frame will have pads plated with PPF instead of Tin and is the only change to the lead frame. There is no change in dimensions as same lead frame design and supplier are utilized.

As of the effective date of the PCN, Silicon Labs will fulfill orders using the new lead frame.

Reason for Change

HDS declared the discontinuation of single sided PPF lead frame production as supply of tape used for 1 side PPF lead frame was discontinued.

Impact on Form, Fit, Function, Quality, Reliability

No impact to Form, Fit, Function, Quality & Reliability.

Product Identification

Existing Part #
SI1060-A-GM
SI1060-A-GMR
SI1061-A-GM
SI1061-A-GMR
SI1062-A-GM
SI1062-A-GMR
SI1063-A-GM
SI1063-A-GMR
SI1064-A-GM
SI1064-A-GMR
SI1065-A-GM
SI1065-A-GMR
SI1080-A-GM
SI1080-A-GMR
SI1081-A-GM
SI1081-A-GMR
SI1082-A-GM
SI1082-A-GMR
SI1083-A-GM
SI1083-A-GMR
SI1084-A-GM
SI1084-A-GMR
SI1085-A-GM
SI1085-A-GMR

Last Date of Unchanged Product: Nov 23, 2021

Qualification Samples

Available upon request

Customer Response

Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change, Ref. JEDEC-J-STD-046.

To request further data or inquire about this notification, please contact your Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at <http://www.silabs.com>.

Customers may approve early PCN acceptance by emailing approval, along with PCN # 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 find the attached qual report.



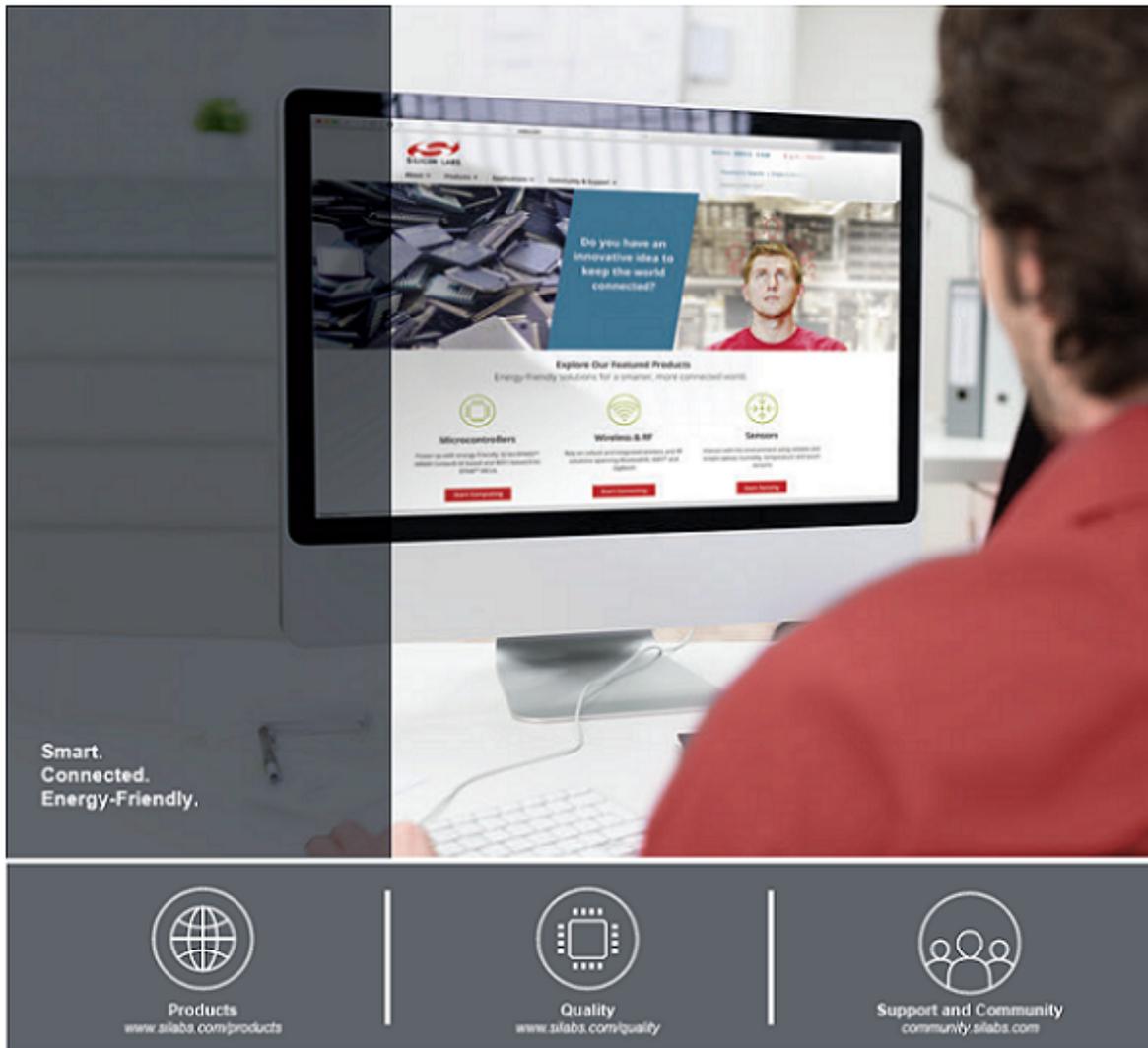
Si106x & Si108x Qualification Report

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Part Rev A, TSMC Fabrication, ASECL Assembly except as noted							
Test Name	Test Condition	Qualification	Lot ID or Start	Fail/Pass	Notes	Summary	Status
Test Group A – Accelerated Environment Stress Tests							
Preconditioning	JESD22-A113	3 lots, N=>25	Q048234	0/25	1	3 lots	Pass
	MSL2: 260°C		Q048235	0/25			
	85°C / 60%RH / 168 Hr		Q048236	0/25			
Test Group C – Package Assembly Integrity Tests							
Solderability	J-STD-002	3 lots, N=>10 (22 leads)	PE26277K0E	0/10	1	3 lots	Pass
			PE26277N0E	0/10			
			PE26277U0E	0/10			

Notes:
 1. To qualify leadframe from single sided PPF to double sided PPF plating

This report applies to the following part numbers:			
Si1060-A-GM	Si1063-A-GM	Si1080-A-GM	Si1083-A-GM
Si1061-A-GM	Si1064-A-GM	Si1081-A-GM	Si1084-A-GM
Si1062-A-GM	Si1065-A-GM	Si1082-A-GM	Si1085-A-GM



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