



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

The information contained in this document is CONFIDENTIAL and PROPRIETARY to Silicon Labs and is intended only for the internal use of Silicon Labs. Any other use or reproduction of any part of this document is prohibited without Silicon Labs' written consent. Any use of this document outside of Silicon Labs is solely at the risk of the user. Silicon Labs disclaims all warranties concerning the accuracy of the information contained in this document. This document is version controlled; printed or electronically saved versions of this documents may be obsolete. Any misuse of this document should be reported to DL.QualitySystems@silabs.com

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



Disclaimer

Silicon Labs intends to provide customers with the latest, accurate, and in-depth documentation of all peripherals and modules available for system and software implementers using or intending to use the Silicon Labs products. Characterization data, available modules and peripherals, memory sizes and memory addresses refer to each specific device, and "Typical" parameters provided can and do vary in different applications. Application examples described herein are for illustrative purposes only. Silicon Labs reserves the right to make changes without further notice and limitation to product information, specifications, and descriptions herein, and does not give warranties as to the accuracy or completeness of the included information. Silicon Labs shall have no liability for the consequences of use of the information supplied herein. This document does not imply or express copyright licenses granted hereunder to design or fabricate any integrated circuits. The products are not designed or authorized to be used within any Life Support System without the specific written consent of Silicon Labs. A "Life Support System" is any product or system intended to support or sustain life and/or health, which, if it fails, can be reasonably expected to result in significant personal injury or death. Silicon Labs products are not designed or authorized for military applications. Silicon Labs products shall under no circumstances be used in weapons of mass destruction including (but not limited to) nuclear, biological or chemical weapons, or missiles capable of delivering such weapons.

Trademark Information

Silicon Laboratories Inc.®, Silicon Laboratories®, Silicon Labs®, SiLabs® and the Silicon Labs logo®, Bluegiga®, Bluegiga Logo®, Clockbuilder®, CMEMS®, DSPLL®, EFM®, EFM32®, EFR, Ember®, Energy Micro, Energy Micro logo and combinations thereof, "the world's most energy friendly microcontrollers", Ember®, EZLink®, EZRadio®, EZRadioPRO®, Gecko®, ISOModem®, Micrium, Precision32®, ProSLIC®, Simplicity Studio®, SiPHY®, Telegesis, the Telegesis Logo®, USBXpress®, Zentri and others are trademarks or registered trademarks of Silicon Labs. ARM, CORTEX, Cortex-M3 and THUMB are trademarks or registered trademarks of ARM Holdings. Keil is a registered trademark of ARM Limited. All other products or brand names mentioned herein are trademarks of their respective holders.



Silicon Laboratories Inc.
400 West Cesar Chavez
Austin, TX 78701

<http://www.silabs.com>