

PCN Number: HLH1017-13

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Product / Process Change Notification (PCN)

Date: October 1, 2017

Customer: DIGI-KEY CORPORATION

Customer Part #(s):

- A1324LLHLT-T
- A1325LLHLT-T
- A1326LLHLT-T

Originator: Lori Taylor

Phone: 603-626-1507

Duration of Change:

Permanent Temporary (explain)

Summary description of change: Part Change: Process Change: Other:

This PCN will detail changes being made to the assembly line of the A1324/A1325/A1326 device family in efforts to increase security of supply and enhance product quality.

What is the part or process changing from (provide details)?

The LH package devices are assembled on Allegro’s aging SOT-23W assembly line at our AMPI facility in Manila, Philippines.

What is the part or process changing to (describe the anticipated impact of this change on form, fit and/or function)?

We have installed and qualified a new in-house SOT-23W high-density (HD) assembly line at Allegro’s AMPI facility in Manila, Philippines. The LH package product(s) referenced in this document will be transitioning from our aging SOT-23W in-house assembly line to the new in-house HD assembly line using modern equipment and the latest assembly techniques. The new SOT-23W equipment is designed to produce products with improved overall quality and lower risk of cracked packages. There is no anticipated impact to fit, form or function of the LH IC(s).



Summary of SOT-23W Changes:

Design:

- Draft angle changed from 10° to 12° nominal
- Addition of 5 mils Radii at corners

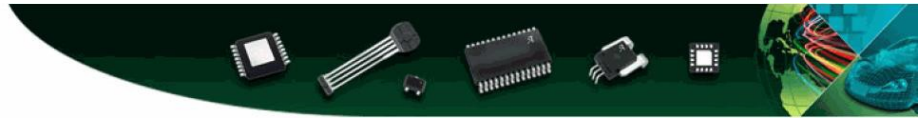
BOM:

- Switch to High density leadframe
- Change of Mold compound from E670C to G700FGT

Process Flow:

- Lasermark before PMC
- Trim before plating

Note: Validation of equivalence within a specific application is at the discretion of the customer.



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Is a PPAP update required? Yes No

Is reliability testing required? (If Yes, refer to attached plan) Yes No (explain)

Expected completion date for internal qualification: Qualification is complete.

Expected PPAP availability date: Available upon request

Target implementation date: April 1, 2018

Estimated date of first shipment: April 1, 2018

Expected sample availability date: November 2017

Customer Approval Required: Yes No Notification Only

Please note: It is our intention to inform our customer of changes as early as possible. Under Allegro’s procedure for product/process change notification, Allegro strives, based on its technical judgment, to provide notification of significant changes that may affect form, fit or function. However, as Allegro cannot ensure evaluation of product/process changes for each and every application; the customer retains responsibility to validate the impact of a change on its application suitability. If samples are needed for validation of a change, requests may be made via the contact information provided herein. Please contact your Account Manager or local Sales contact for any questions. We would kindly request your consideration so we can meet our target date for implementation. Unless both parties agree to extend the implementation date, this change will be implemented as scheduled.

Customer Comments/Conditions of Acceptance:

Approved by: _____ Date: _____ Title: _____

cc: Allegro Sales / Marketing / Quality