



Product/Process Change Notification (PCN)

Customer: DIGI-KEY CORPORATION

Date: 12/13/13

Customer Part # and/or Lot# affected: ACS710KLATR-12CB-T, ACS710KLATR-25CB-T, ACS710KLATR-6BB-T, ACS716KLATR-6BB-T, ACS716KLATR-25CB-T, ACS716KLATR-12CB-T

Originator: c.bouchard

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Duration of Change:

Permanent Temporary (explain)

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

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

The lead-frame used in the ACS710 device is being modified to enhance product quality and improve manufacturing throughput.

The length of the internal lead fingers, bump material, and mold compound will change upon conversion to the new lead-frame. Here is a summary of the changes:

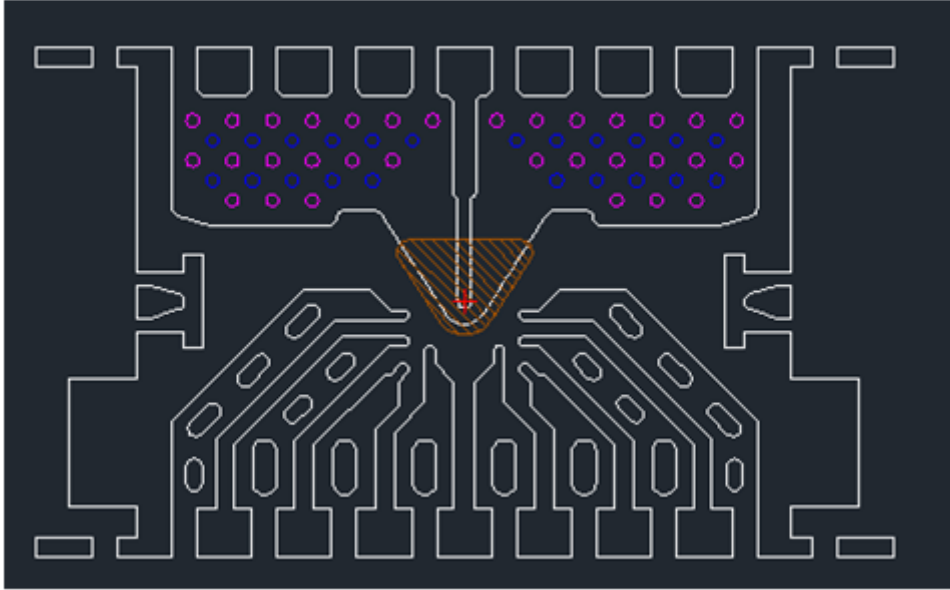
	<i>Current Lead-Frame</i>	<i>New Lead-Frame</i>
<i>Internal Lead Fingers (mils)</i>	<i>192.2</i>	<i>83.5</i>
<i>Bumps</i>	<i>Cu-Pillar</i>	<i>SnAg Pb-free solder</i>
<i>Mold Compound</i>	<i>E670C</i>	<i>G600</i>

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

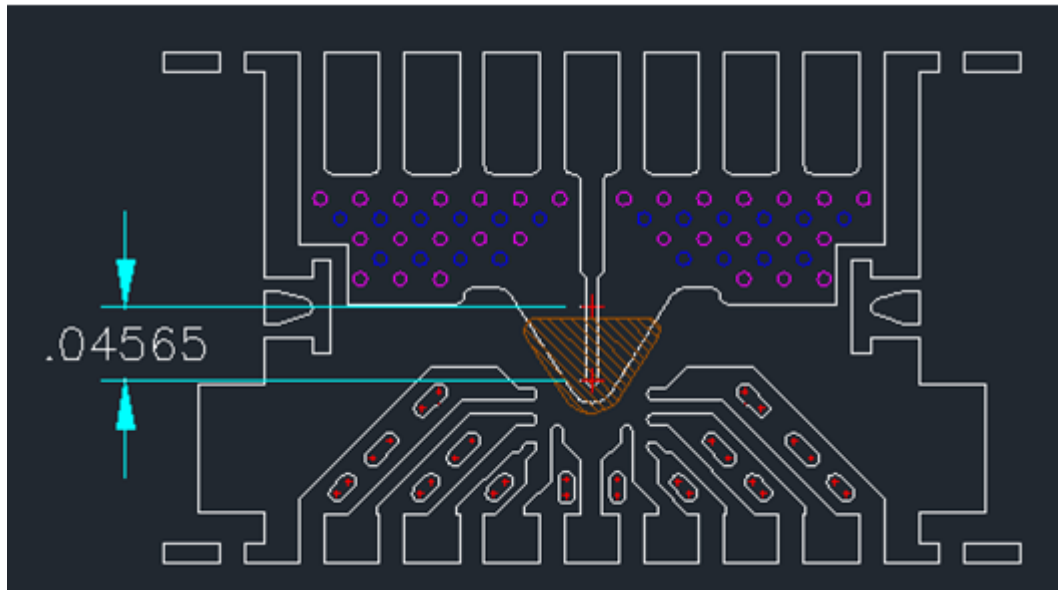
Please see the chart above and following drawings comparing the current lead-frame to the new lead-frame.



Current Design



New Design



Describe the anticipated impact of this change on form, fit and/or function.

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

The change is not expected to affect fit, form, or function of the device and should have little to no influence on customer applications.



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Is a PPAP update required? Yes No

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

Expected completion date for internal qualification:

Expected PPAP availability date: N/A

Target implementation date: March 31,2014

Estimated date of first shipment: ~6-8 weeks from customer approval

Expected sample availability date: 12/9/13

Customer Approval Required: Yes Date Required: ASAP
Customer Approval:

Please note: It is our intention to inform our customer of changes as early as possible. Please contact your Account Manager or local Sales contact for any questions. We would kindly request your consideration and approval 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