

Product/Process Change Notification (PCN)

Customer: DIGI-KEY CORPORATION

Date: October 2016

Customer Part # and/or Lot# affected:

ACS709LLFTR-20BB-T
ACS709LLFTR-35BB-T
ACS709LLFTR-6BB-T
ACS710KLATR-12CB-NL-T
ACS710KLATR-12CB-T
ACS710KLATR-25CB-T
ACS710KLATR-6BB-NL-T

ACS710KLATR-6BB-T
ACS716KLATR-12CB-NL-T
ACS716KLATR-12CB-T
ACS716KLATR-25CB-NL-T
ACS716KLATR-25CB-T
ACS716KLATR-6BB-NL-T
ACS716KLATR-6BB-T

Originator: Laura Donelan

Phone: 603.626.2358

Fax: 603.641.5336

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)?

Allegro currently manufactures the ACS709, ACS710 and ACS716 devices on a 6” line at PSL wafer FAB in Bloomington, MN.

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

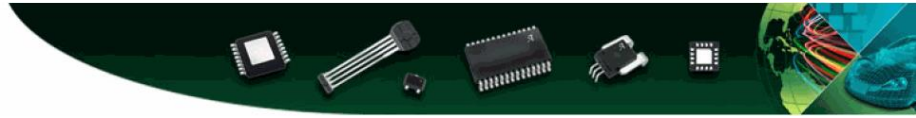
Allegro has transferred the semiconductor wafer fabrication process used to manufacture the ACS709, ACS710 and ACS716 devices to an 8” wafer line at UMC in Taiwan, primarily as a capacity enhancement and security of supply initiative. The fabrication process at UMC uses the same BiCMOS technology used to manufacture these devices at PSL today.

This is a technology transfer only to UMC FAB and there is no anticipated impact to fit, form or function of the IC. The schematic diagram and the layout of the devices are identical at both PSL and UMC. No design changes were made during the process transfer.

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

There is no expected impact on the fit, form, or function of the device and should have little to no influence on customer applications.

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? Yes No
(If Yes, refer to attached plan)

Expected completion date for internal qualification: Qualification Completed

Expected PPAP availability date: PPAP available now upon request

Target implementation date: May 2017

Estimated date of first shipment: May 2017

Expected sample availability date: Samples available now

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

Please note: 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.

Allegro is no longer offering shipments of the old lead frame device. Upon approval, Allegro is positioned to support the transition of business to the new lead frame device immediately.

Customer comments/Conditions of Acceptance:

Approved by: _____ Date: _____ Title: _____
cc: Allegro Sales/Marketing/Quality