

PCN Number:
Chgnot.doc rev 13 1/14

Product/Process Change Notification (PCN)

Customer: DIGI-KEY CORPORATION

Date: March 16, 2017

Customer Part # and/or Lot# affected: Same as below

Allegro Part # affected:

- ACS770LCB-100B-PFF-T
- ACS770LCB-100U-PFF-T
- ACS770KCB-150B-PFF-T
- ACS770ECB-200B-PFF-T
- ACS770KCB-150U-PFF-T
- ACS770LCB-050U-PFF-T
- ACS770LCB-050B-PFF-T

Originator: Matt Clougherty

Phone: 603-626-2693

Duration of Change:

Permanent Temporary (explain)

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

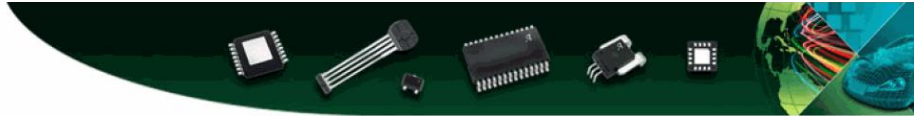
What is the part or process changing from (provide details)?

Allegro currently manufactures the ACS770 on an 8” line at PSL wafer FAB in Bloomington, MN.

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

Allegro is transferring the semiconductor wafer fabrication process used to manufacture the ACS770 integrated circuit (IC) 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 the ACS770 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 ACS770 are identical at both PSL and UMC. No design changes were made during the process transfer.

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: December 2016

Expected PPAP availability date: December 2016

Target implementation date: June 2017

Estimated date of first shipment: June 2017

Expected sample availability date: August 2016

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:
cc: Allegro Sales/Marketing/Quality

Date:

Title: