

**Product/Process Change Notification (PCN)**

**Customer:** DIGI-KEY CORPORATION

**Date:** October 2016

**Customer Part # and/or Lot# affected:**

A1391SEHLT-T  
A1392SEHLT-T

A1393SEHLT-T  
A1395SEHLT-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 A1391, A1392, A1393 and A1395 devices on a 6" line at PSL wafer FAB in Bloomington, MN.

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

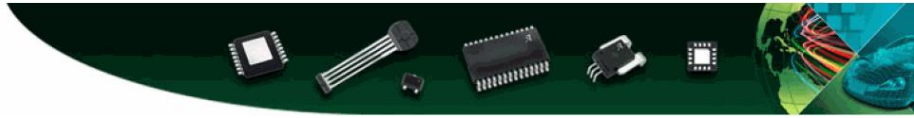
Allegro has transferred the semiconductor wafer fabrication process used to manufacture the A139x devices to an 8" wafer line at UMC in Taiwan, primarily as a capacity enhancement and security of supply initiative. The fabrication process at UMC uses the same BiCMOS technology used to manufacture the A139x 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.



---

**Product/Process Change Notification (PCN)**

**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:** November 2016

**Expected PPAP availability date:** December 2016

**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