



PCN Number: UMC0CT14  
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**Product/Process Change Notification (PCN)**

**Customer:** Newark

**Date:** March 17, 2015

**Catalog / Customer Part # and/or Lot# affected:** UDN2987LWTR-6-T

**Originator:** T. Roberge

**Phone:** 508-854-5431

**Duration of Change:**

Permanent  Temporary (explain)

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

Allegro currently manufactures the UND2987LWTR-6-T at wafer fab, Polar Semiconductor LLC (PSL), Bloomington, MN, USA.

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

Allegro currently manufactures the UND2987LWTR-6-T, 6 inch device at wafer fab, Polar Semiconductor LLC (PSL), Bloomington, MN, USA.

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

The UND2987LWTR-6-T will transition to an 8 inch device at wafer fab, Polar Semiconductor LLC (PSL), Bloomington, MN, USA.

**Note:** Validation of equivalence within a specific application is at the discretion of the Custom



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Is a PPAP update required?

Yes

No

Is reliability testing required?  
(If Yes, refer to attached plan)

Yes

No (explain)

Device: 4687 (5267, UDN2987)  
Fab Location: PSL  
Assy Lot #: 1435031PXBA  
Package: LW (SOIC-W)

Number of Leads: 20  
Assembly Location: Unisem  
Lead Finish: 100% Sn  
Tracking Number: 2863

Reason For Qualification: 4687 (5267, UDN2987)- 8- Channel Source Driver with Overcurrent Protection

Reliability Qualification Results						
4687, 5267, Catalog Part #: UDN2987, STR#2863					Requirements	
Stress Test	Abv.	Test #	Test Method	Test Conditions	S.S.	Results
Electrical Distributions	ED	E5	AEC Q100-009	Tri-Temp Electrical Distributions	30 pcs/lot	0 Rejects; Cpk>1.67
Review of previous Electrical Distributions vs. New results	A-vs.-B	E5-B	AEC Q100-009	Tri-Temp Electrical Distributions	30 pcs/lot	0 Rejects; Cpk>1.67 Review Approved.

This device qualification is considered to be passing all environmental stress evaluations per the Allegro MicroSystems, LLC 900019 specification.

**Expected completion date for internal qualification:** Complete

**Expected PPAP availability date:** N/A

**Target implementation date:** July 1, 2015

**Estimated date of first shipment:** August 1, 2015

**Expected sample availability date:** March 30, 2015

Customer Approval Required: Yes  Date Required:

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: