Product/Process Change Notification (PCN)

Customer: Newark **Date:** March 23, 2016

Customer Part # and/or Lot# affected: A4980KLPTR-T

Originator: J.Hurley **Phone: (508) 854-5491**

Duration of Change: Permanent [X] Temporary (explain) [ ]

Summary description of change: Part Change: [ ] Process Change: [X] Other: [ ]

1. The listed device (s) are assembled at Mitsui High Tech Inc, Kumamoto, Japan. Allegro MicroSystems will move assembly to Unisem-Ipoh, Perak, Malaysia.

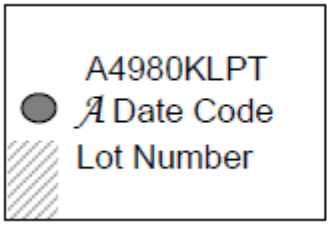
2. The listed device (s) will change from final test at Allegro MicroSystems, Inc. Manila, Philippines (AMPI) to final test at Allegro MicroSystems Thailand Company, Ltd. located in Saraburi, Thailand (AMTC) as the primary test location.

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

1. The devices listed are assembled at Mitsui High Tech Inc, Kumamoto, Japan.

2. Allegro currently performs final test at Allegro MicroSystems, Inc. Manila, Philippines (AMPI).

3. Branding: Currently there is a dot on Line 2 (above Pin 1 indicator).



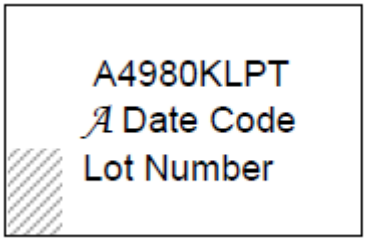
Line 1: Part Number
Line 2: Pin 1 dot, Logo A, 4 digit Date Code
Line 3: Characters 5,6,7,8 of Assembly Lot Number

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

1. Allegro will move assembly of the devices to Unisem-Ipoh, Perak, Malaysia. This assembly location is already qualified for this package.

2. Allegro will perform final test at Allegro MicroSystems Thailand Company, Ltd. located in Saraburi, Thailand, a wholly-owned integrated circuit test facility. The same make and model test equipment will be utilized and test site transfer buy off data will be on file for each device before production begins.

3. Branding: Dot on Line 2 will be removed.



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

Is a PPAP update required? Yes [ ] No [X]

Is reliability testing required? (See expected PPAP date below) Yes [ ] No (explain) [X]

Expected completion date for internal qualification: Complete

Expected PPAP availability date: Available Upon Request

Target implementation date: December 2016

Estimated date of first shipment: January 2017

Expected sample availability date: Samples Available Upon Request

Customer Approval Required:

Yes [ ] **Date Required:**

No [X] **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: Date: Title:

cc: Allegro Sales/Marketing/Quality