

Expertise Applied Answers Delivered

Nov, 15<sup>th</sup> , 2016

RE: LFPCN41243

To: Our Valued Customers.

From: Littelfuse Product Management Team

#### Subject: LFPCN41243 for AK Series Product Vacuum Packing

The lead wire design of AK series product is silver plating, yet silver plated lead can be easily sulfured when exposed to air, which leads to poor soldering at customer PCBA process.

Therefore, this PCN is to notify you we will optimize the current packing to vacuum packing to better improve.

There are no changes to fit, form, function and reliability of the finished product

Form, Fit, Function and Reliability Changes: None Part Number Changes: None Product Labeling: None Effective Date: Jan, 1<sup>st</sup>, 2017 Replacement Products: N/A Last Time Buy: N/A

We will implement this change from Jan 1<sup>st</sup> 2017, and customers can expect to start receiving products with the optimized vacuum packing from that point moving forward. This is a rolling change and you won't have optimized vacuum packing product until previous inventory was depleted .

If you have any other question or concerns, please contact Littelfuse® local sales representative, or Meng Wang, Assistant Product Manager for further assistance.

We highly value your business and look forward to assisting you whenever possible.

Best Regards,

Meng Wang Assistant Product Manager Commodity TVS and SIDACTor Tel: +86 510 85277701 ext – 7955 Mwang3@littelfuse.com



800 E. Northwest Highway Des Plaines, IL 60016

Product/Process Change Notice (PCN)		
PCN#: LFPCN41243 Date: Nov. 15 <sup>th</sup> 20	16 Contact Information	
Product Identification:	Name: Meng Wang	
AK Series Products	Title: Assistant Product Manager	
Implementation Date for Change:	Phone #: +86 510 85277701- 7955	
Jan. 1 <sup>st</sup> 2017	Fax#: +86 510 85277700	
	E-mail: Mwang3@littelfuse.com	
Category of Change: De	scription of Change:	
Assembly Process Th	is PCN is to notify you of packing change , to optimzie it from current	
Data Sheet pa	cking to vacuum packing t	
Technology		
Discontinuance/Obsolescence		
Equipment		
Manufacturing Site		
Raw Material		
Testing		
Fabrication Process		
□ Other:		
Important Dates:		
Qualification Samples Available: N/A Last Time Buy: N/A		
Final Qualification Data Available: N/A		
Date of Final Product Shipment: N/A		
Method of Distinguishing Changed Product		
Product Mark, N/A		
Date Code, 7xx		
Other,		
Demonstrated or Anticipated Impact on Form, Fit, Function or Reliability:		
Please refer to PCN letter		
LF Qualification Plan/Results:		
Please refer to supplementary page		
Customer Acknowledgement of Receipt: Littelfuse requests you acknowledge receipt of this PCN. In your acknowledgement, you can		
grant approval or request additional information. Littelfuse will assume the change is acceptable if no acknowledgement is received within 30 days		
of this notice. Lack of any additional response within 90 days of PCN issuance further constitutes acceptance of the change.		

# **PCN** Report

Prepared by: Connie Li, TVS Product Engineer, Littelfuse, Wuxi Date: Nov. 4, 2016 Device: AK series Revision: A

### 1.0 Objective

The purpose of this project is to change the AK series packing to vacuum packing.

#### 2.0 Background

The lead wire of AK series is Ag plating, which has high risk of oxidation when exposing to air, and oxide lead wire may affect soldering process at customer side.

#### 3.0 Scope of Change

AK series

#### 4.0 Assembly, Process & Material Differences/Changes:

Only packing material and method changed, there is no change on the assembly process and product itself.

#### 5.0 Change Description

To store the parts at moisture soak condition (85C and 85%RH) with original packing and vacuum packing, original pack found leads discolored after 20hrs and vacuum pack no any discolor after 504hrs.



## LFPCN41243 Affected Parts List

LFF CIN41243	^
Material	
AK1-076C	
AK15-058C	
AK15-066C	
AK15-076C	
AK3-015C	
AK3-030C	
AK3-058C	
AK3-066C	
AK3-076C	
AK3-070C	
AK3-170C	
AK3-380C	
AK3-430C	
AK6-030C	
AK6-058C	
AK6-058C-100	
AK6-058C-ZG	
AK6-066C	
AK6-076C	
AK6-076C-102	
AK6-170C	
AK6-190C	
AK6-240C	
AK6-380C	
AK6-430C	
AK3-066C-N	
AK3-208C	
AK6-066C-N	
AK6-076C-N	
AK3-058C-ZG	
AK1-076C-12	
AK15-058C-12	
AK15-066C-12	
AK15-076C-12	
AK3-015C-12	
AK3-030C-12	
AK3-058C-12	
AK3-066C-12	
AK3-076C-12	
AK3-150C-12	
AK3-170C-12	
AK3-208C-12	
AK3-208C-12 AK3-380C-12	
AK3-380C-12	
AK3-430C-12	
AK6-030C-12	
AK6-058C-12	
AK6-066C-12	
AK6-076C-12	
AK6-170C-12	
AK6-190C-12	
AK6-240C-12	
AK6-380C-12	
AK6-430C-12	
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AK6-058C-SA AK6-430C-RC AK20-016C AK20-063C AK6-058C-PD AK3-066C-ZG AK3-076C-N AK10-030C AK10-058C AK10-058C-100 AK10-076C AK10-076C-100 AK10-170C AK10-170C-100 AK10-190C AK10-190C-100 AK10-220C AK10-240C AK10-240C-100 AK10-380C AK10-430C AK10-530C AK10-530C-NT AK10-066C AK10-380C-GE AK10-030C-12 AK10-058C-12 AK10-066C-12 AK10-076C-12 AK10-170C-12 AK10-190C-12 AK10-220C-12 AK10-240C-12 AK10-380C-12 AK10-430C-12 AK10-530C-12 AK10-076C-N AK10-015C AK10-066A-ZG AK10-066C-ZG AK10-380C-TL NK1-AL AK10-030C-F AK10-058C-CG AK10-066C-CG AK10-076C-CG AK10-380C-CG AK20-058C AK20-066C AK20-076C AK10-380C-HD AK10-058C-HC AK15-076C-HD AK10-030C-HD AK10-076C-HC

AK10-380C-HC AK3-058C-CG AK3-076C-CG AK3-190C AK10-170C-HC AK10-058C-HD AK15-076C-E AK10-058C-CL