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8755 W. Higgins Road  
Suite 500  
Chicago, IL 60631

[www.littelfuse.com](http://www.littelfuse.com)

Oct 31th, 2022

**Re: LFPCN41457 TPSMDxx DO214-AB Automotive TVS capacity expansion and BCP**

To Our Valued Customers,

To serve our customers' continuous growth, Littelfuse would like to inform you this capacity expansion plan of TPSMDxx DO214-AB Automotive TVS products, meanwhile implement Business Continuous Plan (BCP), with improved automation and quality system.

This BCP will introduce the 2nd source below to build up our robust supply chain, and the new additional capacity to support the long-term growth of our automotive customers for the developing electrification.

Change Description		Before	After	Benefits
BE	Manufacturing Line	Existing line	Existing line & New line	Capacity expansion
	Clip vendor	Clip vendor: G-Shank	Clip vendor: 1. G-Shank 2. JIH Long	2 <sup>nd</sup> source &BCP

There will be no change to the form, fit, function, quality, or reliability of the products.

All affected products will be fully qualified in accordance with established performance and reliability criteria. Please refer to the attached affected parts list.

**Part number changes: None**

**Effective date: Jan 30<sup>th</sup>, 2023**

**Replacement products: N/A**

**Last time buy: N/A**

This notification is for your information and acknowledgement. If you have any other questions or concerns, please contact your local sales team or product team below for further assistance.

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

Best Regards,

Victoria You  
Assistant Product Manager  
Automotive TVS  
Tel: +86 510 85277701 ext. 7710  
[VYou@Littelfuse.com](mailto:VYou@Littelfuse.com)

# PCN Report

**Prepared By** :Kimi xiong, Product Engineer  
**Date** : Aug 9th, 2022  
**Device** : DO-214AB(SMC) automotive TVS  
**Revision** : A

## 1.0 Objective:

- The purpose of this project is to add new capacity to meet market growth and serve our customers better for TPSMD series automotive TVS, meanwhile we would take this opportunity to qualify backup sources of materials for business continues plan.

## 2.0 Applicable Devices:

Automotive TVS TPSMD Product Series

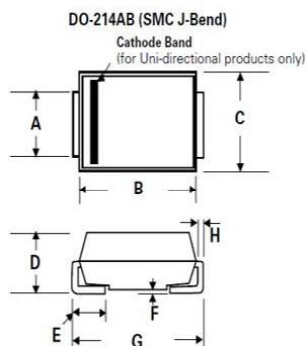
## 3.0 Changes Description :

Change Description		Before	After	Benefits
BE	Manufacturing Line	Existing line	Existing line & New line	Capacity expansion
	Clip vendor	Clip vendor: G-Shank	Clip vendor: 1. G-Shank 1. JIH Long	2 <sup>nd</sup> source & BCP

## 4.0 Packing Method

There will be no changes in the packing method.

## 5.0 Physical Differences/Changes:



No	Package outline dimension(mm)			
	POD Spec		Actual	
	Min	Max	Before	After
A	2.90	3.20	3.10	3.11
B	6.60	7.11	6.73	6.74
C	5.59	6.22	5.97	5.99
D	2.06	2.62	2.45	2.22
E	0.76	1.52	1.15	1.11
G	7.75	8.13	7.97	7.94



About TPSMD (released already) is SMC existing line product, PKG size is a little different compare with SMC new-line and all of them within tolerance base on POD spec after change

## 6.0 Electrical Characteristic Summary:



There is no change in electrical characteristics.

## 7.0 Changed Part Identification:

Part number			
TPSMD10A	TPSMD36CA	TPSMD33A	TPSMD64A
TPSMD11A	TPSMD40CA	TPSMD36A	TPSMD64CA
TPSMD12A	TPSMD43CA	TPSMD40A	TPSMD70A
TPSMD13A	TPSMD45A	TPSMD43A	TPSMD70CA
TPSMD14A	TPSMD45CA	TPSMD10CA	TPSMD75A
TPSMD15A	TPSMD48A	TPSMD11CA	TPSMD75CA
TPSMD16A	TPSMD48CA	TPSMD12CA	TPSMD78A
TPSMD17A	TPSMD51A	TPSMD13CA	TPSMD78CA
TPSMD18A	TPSMD51CA	TPSMD14CA	TPSMD85A
TPSMD20A	TPSMD54A	TPSMD15CA	TPSMD85CA
TPSMD22A	TPSMD54CA	TPSMD16CA	TPSMD2816CA
TPSMD24A	TPSMD58A	TPSMD17CA	TPSMD3516CA
TPSMD26A	TPSMD58CA	TPSMD18CA	TPSMD33CA-HE
TPSMD28A	TPSMD60A	TPSMD20CA	TPSMD18CA-UA
TPSMD30A	TPSMD60CA	TPSMD22CA	TPSMD39A-UA
TPSMD30CA	<i>TPSMD10CA-PL</i>	TPSMD24CA	TPSMD70CA-HE
TPSMD33CA	<i>TPSMD16A-PL</i>	TPSMD26CA	TPSMD43A-T7
<i>TPSMD15CA-PL</i>	<i>SMDJ16CA-PL</i>	TPSMD28CA	TPSMD48CA-T7
TPSMD24CA-HE			

All series of TPSMD

## 8.0 Approvals:

**Hellen Yang**  
**Senior Product Engineer**  
**Littelfuse, Inc.**

Material
TPSMD10A
TPSMD10CA
TPSMD10CA-PL
TPSMD11A
TPSMD11CA
TPSMD12A
TPSMD12CA
TPSMD13A
TPSMD13CA
TPSMD14A
TPSMD14CA
TPSMD15A
TPSMD15CA
TPSMD15CA-PL
TPSMD16A
TPSMD16A-PL
TPSMD16CA
TPSMD17A
TPSMD17CA
TPSMD18A
TPSMD18CA
TPSMD18CA-UA
TPSMD20A
TPSMD20CA
TPSMD22A
TPSMD22CA
TPSMD24A
TPSMD24CA
TPSMD24CA-HE
TPSMD26A
TPSMD26CA
TPSMD2816CA
TPSMD28A
TPSMD28CA
TPSMD30A
TPSMD30CA
TPSMD33A
TPSMD33CA
TPSMD33CA-HE
TPSMD3516CA
TPSMD36A
TPSMD36CA
TPSMD39A-UA
TPSMD40A
TPSMD40CA
TPSMD43A

TPSMD43A-T7
TPSMD43CA
TPSMD45A
TPSMD45CA
TPSMD48A
TPSMD48CA
TPSMD48CA-T7
TPSMD51A
TPSMD51CA
TPSMD54A
TPSMD54CA
TPSMD58A
TPSMD58CA
TPSMD60A
TPSMD60CA
TPSMD64A
TPSMD64CA
TPSMD70A
TPSMD70CA
TPSMD70CA-HE
TPSMD75A
TPSMD75CA
TPSMD78A
TPSMD78CA
TPSMD85A
TPSMD85CA
SMDJ16CA-PL