



8755 W. Higgins Road Suite 500  
Chicago, Illinois USA 60631

November 10th 2020

RE: **LFPCN41349 PCN** Littelfuse High Voltage TPSMBxx and TPSMCxx BCP and capacity extension

To our valued customers

To serve our customers' continuous growth, Littelfuse would like to inform you this **Business Continuous Plan (BCP)** of **High Voltage** TPSMB and TPSMC Automotive TVS products, meanwhile to expand the capacity with improved automation and quality system.

This BCP will introduce the 2nd sources 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.

### 1. Change Description

#### TPSMB <sup>1</sup>

Change Description		Before	After	Benefits
<b>Fab</b>	Wafer	Raw wafer Vendor: Siltronic	1. Raw wafer Vendor: Siltronic 2.Raw wafer Vendor: Huan Ou	BCP
<b>BE</b>	Manufacturing Line	Existing line	Existing line & New line	Capacity extension
	Lead Frame & Clip Vendor	L/F Vendor: JIH Long Clip vendor: G-Shank	L/F & Clip vendor: 1.JIH Long 2. G-Shank	BCP
	Solder Paste	Heraeus F367SN10-90P4	1. Heraeus FS5116 2.Indium 9.32	BCP
	EMC	EME-G630AY Vendor: Sumitomo	1.EME-G630AYD Vendor: Sumitomo 2.EME-E500HME Vendor: Sumikon	BCP
	Plating Source	1.Bandl (Suzhou) 2. Suyang (Wuxi)	1.Bandl (Suzhou) 2. Suyang (Wuxi) 3. Littelfuse inhouse (Wuxi)	BCP

**Note 1: PNs with VBR≥600V are released in new lines and only affected by wafer, solder paste and plating source change.**



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**TPSMC**

Change Description		Before	After	Benefits
<b>Fab</b>	Wafer	Raw wafer Vendor: Siltronic	1.Raw wafer Vendor: Siltronic 2.Raw wafer Vendor: Huan Ou	BCP
<b>BE</b>	Manufacturing Line	Existing line	Existing line & New lines	Capacity extension
	Lead Frame & Clip Vendor	L/F Vendor: Kenly Clip vendor: G- Shank	L/F & Clip vendor: 1.SDI 2.G-Shank	BCP
	Solder Paste	Heraeus F367SN10-90P4	1. Heraeus FS5116 2.Indium 9.32	BCP
	EMC	EME-G720C Vendor: Sumitomo	1.EME-G720C Vendor: Sumitomo 2.EME-E500HME Vendor: Sumikon	BCP
	Plating Source	1.Bandl (Suzhou) 2. Suyang (Wuxi)	1.Bandl (Suzhou) 2. Suyang (Wuxi) 3.Littelfuse inhouse (Wuxi)	BCP

All the changes have been qualified to AECQ101 with existing IATF16949 certified production line in Littelfuse Wuxi plant, and with no FIT/Form/Function change. Enclosed is our qualification report for your review.

Here we would notify you for this LFPCN41349, and implement this **LFPCN41349 by August 16<sup>th</sup> 2021**. All the impacted PNs are all listed as appendix in the end of qualification report.

This PCN letter is for your information and acknowledgement. If you would request for any specific data or product samples to certify this change, please contact Littelfuse® within 60 days of the notification date.



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If you have any other questions or concerns, please contact your Littelfuse® local sales.

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

Best Regards,

Charlie Cai

Product Manager Automotive and Hi-Rel TVS

<b>TPSMB</b>	<b>TPSMB-VR</b>	<b>TPSMC</b>	<b>TPSMB</b>	<b>TPSMB-VR</b>	<b>TPSMC</b>
TPSMB100A	TPSMB90A-VR	TPSMC100A	TPSMB100A	TPSMB90A-VR	TPSMC100A
TPSMB100CA	TPSMB90CA-VR	SMCJ180A-JD	TPSMB100CA	TPSMB90CA-VR	SMCJ180A-JD
TPSMB110A	TPSMB100A-VR	SMCJ193A-JD	TPSMB110A	TPSMB100A-VR	SMCJ193A-JD
TPSMB110CA	TPSMB100CA-VR	SMCJ200A-JD	TPSMB110CA	TPSMB100CA-VR	SMCJ200A-JD
TPSMB120A	TPSMB110A-VR		TPSMB120A	TPSMB110A-VR	
TPSMB120CA	TPSMB110CA-VR		TPSMB120CA	TPSMB110CA-VR	
TPSMB130A	TPSMB120A-VR		TPSMB130A	TPSMB120A-VR	
TPSMB130CA	TPSMB120CA-VR		TPSMB130CA	TPSMB120CA-VR	
TPSMB150A	TPSMB130A-VR		TPSMB150A	TPSMB130A-VR	
TPSMB150CA	TPSMB130CA-VR		TPSMB150CA	TPSMB130CA-VR	
TPSMB160A	TPSMB150A-VR		TPSMB160A	TPSMB150A-VR	
TPSMB160CA	TPSMB150CA-VR		TPSMB160CA	TPSMB150CA-VR	
TPSMB170A	TPSMB160A-VR		TPSMB170A	TPSMB160A-VR	
TPSMB170CA	TPSMB160CA-VR		TPSMB170CA	TPSMB160CA-VR	
TPSMB180A	TPSMB170A-VR		TPSMB180A	TPSMB170A-VR	
TPSMB180CA	TPSMB170CA-VR		TPSMB180CA	TPSMB170CA-VR	
TPSMB200A	TPSMB180A-VR		TPSMB200A	TPSMB180A-VR	
TPSMB200CA	TPSMB180CA-VR		TPSMB200CA	TPSMB180CA-VR	
TPSMB210A	TPSMB188A-VR		TPSMB210A	TPSMB188A-VR	
TPSMB210CA	TPSMB188CA-VR		TPSMB210CA	TPSMB188CA-VR	
TPSMB220A	TPSMB200A-VR		TPSMB220A	TPSMB200A-VR	
TPSMB220CA	TPSMB200CA-VR		TPSMB220CA	TPSMB200CA-VR	
TPSMB250A	TPSMB220A-VR		TPSMB250A	TPSMB220A-VR	
TPSMB250CA	TPSMB220CA-VR		TPSMB250CA	TPSMB220CA-VR	
TPSMB300A-A	TPSMB250A-VR		TPSMB300A-A	TPSMB250A-VR	
TPSMB300CA-A	TPSMB250CA-VR		TPSMB300CA-A	TPSMB250CA-VR	
TPSMB350A-A	TPSMB300A-VR		TPSMB350A-A	TPSMB300A-VR	
TPSMB350CA-A	TPSMB300CA-VR		TPSMB350CA-A	TPSMB300CA-VR	
TPSMB400CA-A	TPSMB350A-VR		TPSMB400CA-A	TPSMB350A-VR	
TPSMB440CA-A	TPSMB350CA-VR		TPSMB440CA-A	TPSMB350CA-VR	
TPSMB400A-A	TPSMB400A-VR		TPSMB400A-A	TPSMB400A-VR	
TPSMB440A-A	TPSMB400CA-VR		TPSMB440A-A	TPSMB400CA-VR	
TPSMB480A-A	TPSMB440A-VR		TPSMB480A-A	TPSMB440A-VR	
TPSMB480CA-A	TPSMB440CA-VR		TPSMB480CA-A	TPSMB440CA-VR	
TPSMB510A-A			TPSMB510A-A	P6SMB510CA-HE	
TPSMB510CA-A			TPSMB510CA-A	P6SMB510CA-JK	
TPSMB520A-A			TPSMB520A-A	P6SMB510CA-SU	
TPSMB520CA-A			TPSMB520CA-A	P6SMB510A-LG	
TPSMB530A-A			TPSMB530A-A		
TPSMB530CA-A			TPSMB530CA-A		
TPSMB540A-A			TPSMB540A-A		
TPSMB540CA-A			TPSMB540CA-A		
TPSMB550A-A			TPSMB550A-A		
TPSMB550CA-A			TPSMB550CA-A		
TPSMB600CA-A <sup>3</sup>			TPSMB600CA-A <sup>3</sup>		
TPSMB650CA-A <sup>3</sup>			TPSMB650CA-A <sup>3</sup>		