



Date: July 07, 2022

PCN No#: 070722-1

PCN Title: Additional Qualified (A/T) Assembly/Test Site

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Micro Commercial Components Corp (MCC). We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local sales representative to acknowledge receipt of this PCN.

If you have any questions about PCN's products, please contact your local sales representative.

Sincerely,



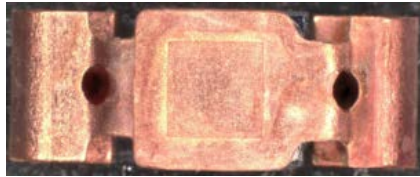
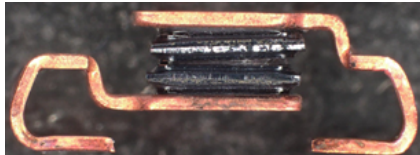

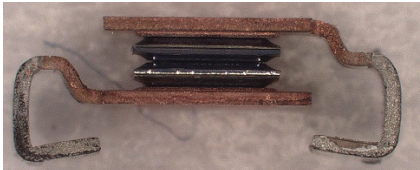
MCC PCN Team



PRODUCT CHANGE NOTICE

Notification Date	Implementation Date	Change Type	Classification	PCN No
July 07, 2022	Oct 07,2022	Additional Qualified A/T	Major	070722-1
TITLE				
Additional Qualified (A/T) Assembly/Test Site				
DESCRIPTION OF CHANGE				
This PCN is being issued to notify customers that in order to assure continuity of supply, MCC has qualified additional (A/T) Assembly/Test Site.Full electrical characterization and high reliability testing has been completed to ensure there is no change to device functionality or electrical specifications in the datasheet.				
IMPACT				
No change in datasheet electrical parameters and product performance. Table A: Lead frame comparison and package outline comparison Table B: The list of Products affected				
PRODUCTS AFFECTED				
Table B				
WEB LINKS				
Terms And Conditions:	https://www.mccsemi.com/Home/TermsAndConditions			
For More Information Contact:	https://www.mccsemi.com/Contact/Index			
Products:	https://www.mccsemi.com/ProductCategories			
DISCLAIMER				
Unless a MCC Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.				

Table A - Lead frame comparison and package outline comparison

	Old	New
Appearance		
Lead frame	 	 

Tables B -The list of products affected

SMBJ250A-TP	SMBJ250CA-TP
SMBJ300A-TP	SMBJ300CA-TP
SMBJ350A-TP	SMBJ350CA-TP
SMBJ400A-TP	SMBJ400CA-TP
SMBJ440A-TP	SMBJ440CA-TP
SMBJP6KE250A-TP	SMBJP6KE250CA-TP
SMBJP6KE300A-TP	SMBJP6KE300CA-TP
SMBJP6KE350A-TP	SMBJP6KE350CA-TP
SMBJP6KE400A-TP	SMBJP6KE400CA-TP
SMBJP6KE440A-TP	SMBJP6KE440CA-TP
SMBJP6KE480A-TP	SMBJP6KE480CA-TP
SMBJP6KE510A-TP	SMBJP6KE510CA-TP
SMBJP6KE530A-TP	SMBJP6KE530CA-TP
SMBJP6KE540A-TP	SMBJP6KE540CA-TP
SMBJP6KE550A-TP	SMBJP6KE550CA-TP

Micro Commercial Components Corporation

Reliability Test Report

Series:TVS								
Part No: SMBJP6KE400A (YJSK2111081B)								
Reliability Test Results:ACC								
Test Number	Test Item	Test Conditions	Start Date	Completed Date	Sample Size	Failure Qty	Judgement	Remark
1	Preconditions	Initial Electrical Test		2021/11/12	2021/11/22	231	0/231	ACC
		Visual Inspection						
		Temperature Cycling	-40℃~60℃, 5cycles					
		Bake	125℃,24Hrs					
		Moisture Soak	85±2℃, 85±5%/168Hrs					
		Reflow*3cycles	260℃,3cycles					
		Final Electrical Test						
2	Temperature Cycling	-55℃(+0,-10)/15min~150℃(+15,-0)/15min,1000Cycles	2021/11/22	2021/12/13	77	0/77	ACC	
3	H.T.R.B	Tj=Tjmax,100%VRWM, 1000Hrs	2021/11/23	2022/1/4	77	0/77	ACC	
4	H.T.S.L	Tstgmax,1000Hrs	2021/11/23	2022/1/4	77	0/77	ACC	
5	Autoclave	121℃±2℃,15 psig,100%RH,96Hrs	2021/11/22	2021/11/26	77	0/77	ACC	
6	Resistance to solder heat	260(+5,-0)℃,10s	2021/11/23	2021/11/23	30	0/30	ACC	
7	Solder-ability Test	235℃±5℃,3s,S≥95%	2021/11/23	2021/11/23	10	0/10	ACC	*
8	H3TRB	85±2℃, 85±5%RH,100%VRWM(Max=100V), 1000Hrs	2021/11/22	2022/1/3	77	0/77	ACC	
9	ESD	HBM:100pF,1500Ω, ±2KV	2021/11/23	2021/11/23	30	0/30	ACC	
		MM:200pF,0Ω, ±400V	2021/11/23	2021/11/23	30	0/30	ACC	
<p>Remark: *: Solder-ability Project without electrical test, judge appearance only</p>								
Prepared By:				Jinlan Gao		Approved By:		Xiaojun Hou
Date:				2022/1/6		Date:		2022/1/6