



Date: Apr 27, 2023

PCN No#: 042723-2

PCN Title: Add New Qualified Source

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	Predict Implementation Date	Change Type	Classification	PCN No
April 27, 2023	July 27, 2023	Add New Qualified Source	Major	042723-2
<b>TITLE</b>				
Add New Qualified Source				
<b>DESCRIPTION OF CHANGE</b>				
<p>This PCN is being issued to notify customers that in order to improve automation and product quality .MCC add new qualified source . 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.</p>				
<b>IMPACT</b>				
<p>No change in datasheet electrical parameters and product performance.            Table A: Appearance comparison            Table B: Internal Structure comparison            Table C: The list of Products affected</p>				
<b>PRODUCTS AFFECTED</b>				
See Table C.				
<b>WEB LINKS</b>				
<b>Terms And Conditions:</b>	<a href="https://www.mccsemi.com/Home/TermsAndConditions">https://www.mccsemi.com/Home/TermsAndConditions</a>			
<b>For More Information Contact:</b>	<a href="https://www.mccsemi.com/Contact/Index">https://www.mccsemi.com/Contact/Index</a>			
<b>Products:</b>	<a href="https://www.mccsemi.com/ProductCategories">https://www.mccsemi.com/ProductCategories</a>			
<b>DISCLAIMER</b>				
<p><b>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.</b></p>				

Table A - Appearance comparison

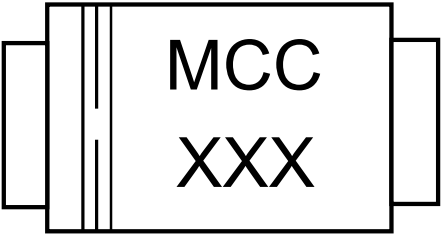
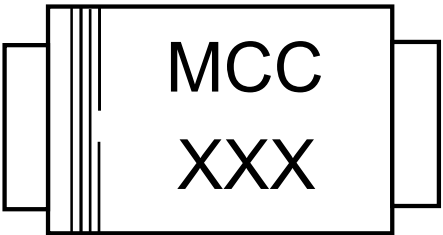
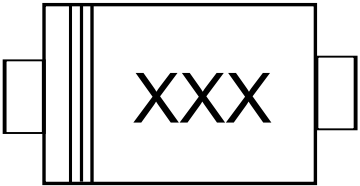
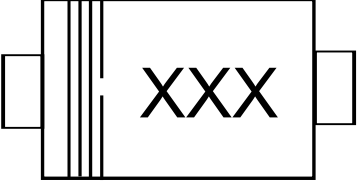
	Current	New
SMA SMB	 <p style="text-align: center;">MCC XXX</p>	 <p style="text-align: center;">MCC XXX</p>
SOD123FL	 <p style="text-align: center;">XXX</p>	 <p style="text-align: center;">XXX</p>

Table B - Internal Structure comparison

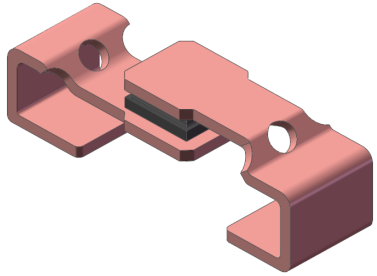
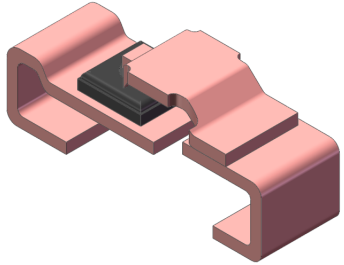
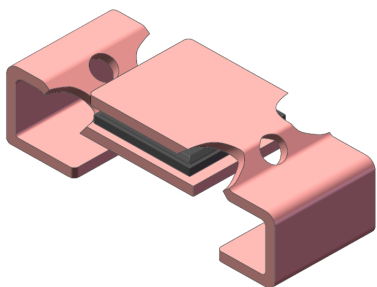
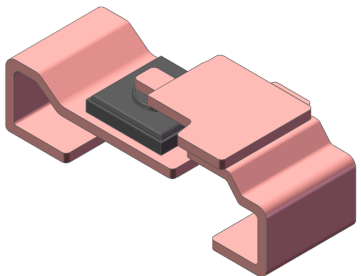
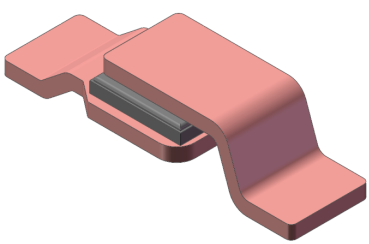
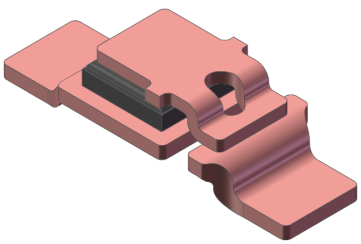
	Current	New
SMA		
SMB		
SOD123FL		

Table C - List of affected products

SMAJ4733A-TP	SMAJ5928B-TP	SMAZ5V1-TP	3SMAJ5953B-TP	SMBJ5956B-TP	SMBJ5379B-TP	3SMBJ5950B-TP
SMAJ4734A-TP	SMAJ5929B-TP	SMAZ5V6-TP	3SMAJ5954B-TP	SMBJ5338B-TP	SMBJ5380B-TP	3SMBJ5951B-TP
SMAJ4735A-TP	SMAJ5930B-TP	SMAZ6V2-TP	3SMAJ5955B-TP	SMBJ5339B-TP	SMBJ5381B-TP	3SMBJ5952B-TP
SMAJ4736A-TP	SMAJ5931B-TP	SMAZ6V8-TP	3SMAJ5956B-TP	SMBJ5340B-TP	SMBJ5382B-TP	3SMBJ5953B-TP
SMAJ4737A-TP	SMAJ5932B-TP	SMAZ7V5-TP	SMBJ5918B-TP	SMBJ5341B-TP	SMBJ5383B-TP	3SMBJ5954B-TP
SMAJ4738A-TP	SMAJ5933B-TP	SMAZ8V2-TP	SMBJ5919B-TP	SMBJ5342B-TP	SMBJ5384B-TP	3SMBJ5955B-TP
SMAJ4739A-TP	SMAJ5934B-TP	SMAZ9V1-TP	SMBJ5920B-TP	SMBJ5343B-TP	SMBJ5385B-TP	3SMBJ5956B-TP
SMAJ4740A-TP	SMAJ5935B-TP	3SMAJ5918B-TP	SMBJ5921B-TP	SMBJ5344B-TP	SMBJ5386B-TP	DFLZ10-TP
SMAJ4741A-TP	SMAJ5936B-TP	3SMAJ5919B-TP	SMBJ5922B-TP	SMBJ5345B-TP	SMBJ5387B-TP	DFLZ100-TP
SMAJ4742A-TP	SMAJ5937B-TP	3SMAJ5920B-TP	SMBJ5923B-TP	SMBJ5346B-TP	SMBJ5388B-TP	DFLZ11-TP
SMAJ4743A-TP	SMAJ5938B-TP	3SMAJ5921B-TP	SMBJ5924B-TP	SMBJ5347B-TP	3SMBJ5918B-TP	DFLZ110-TP
SMAJ4744A-TP	SMAJ5939B-TP	3SMAJ5922B-TP	SMBJ5925B-TP	SMBJ5348B-TP	3SMBJ5919B-TP	DFLZ12-TP
SMAJ4745A-TP	SMAJ5940B-TP	3SMAJ5923B-TP	SMBJ5926B-TP	SMBJ5349B-TP	3SMBJ5920B-TP	DFLZ13-TP
SMAJ4746A-TP	SMAJ5941B-TP	3SMAJ5924B-TP	SMBJ5927B-TP	SMBJ5350B-TP	3SMBJ5921B-TP	DFLZ15-TP
SMAJ4747A-TP	SMAJ5942B-TP	3SMAJ5925B-TP	SMBJ5928B-TP	SMBJ5351B-TP	3SMBJ5922B-TP	DFLZ16-TP
SMAJ4748A-TP	SMAJ5943B-TP	3SMAJ5926B-TP	SMBJ5929B-TP	SMBJ5352B-TP	3SMBJ5923B-TP	DFLZ18-TP
SMAJ4749A-TP	SMAJ5944B-TP	3SMAJ5927B-TP	SMBJ5930B-TP	SMBJ5353B-TP	3SMBJ5924B-TP	DFLZ180-TP
SMAJ4750A-TP	SMAJ5945B-TP	3SMAJ5928B-TP	SMBJ5931B-TP	SMBJ5354B-TP	3SMBJ5925B-TP	DFLZ20-TP
SMAJ4751A-TP	SMAJ5946B-TP	3SMAJ5929B-TP	SMBJ5932B-TP	SMBJ5355B-TP	3SMBJ5926B-TP	DFLZ200-TP
SMAJ4752A-TP	SMAJ5947B-TP	3SMAJ5930B-TP	SMBJ5933B-TP	SMBJ5356B-TP	3SMBJ5927B-TP	DFLZ22-TP
SMAJ4753A-TP	SMAJ5948B-TP	3SMAJ5931B-TP	SMBJ5934B-TP	SMBJ5357B-TP	3SMBJ5928B-TP	DFLZ24-TP
SMAJ4754A-TP	SMAJ5949B-TP	3SMAJ5932B-TP	SMBJ5935B-TP	SMBJ5358B-TP	3SMBJ5929B-TP	DFLZ27-TP
SMAJ4755A-TP	SMAJ5950B-TP	3SMAJ5933B-TP	SMBJ5936B-TP	SMBJ5359B-TP	3SMBJ5930B-TP	DFLZ30-TP
SMAJ4756A-TP	SMAJ5951B-TP	3SMAJ5934B-TP	SMBJ5937B-TP	SMBJ5360B-TP	3SMBJ5931B-TP	DFLZ33-TP
SMAJ4757A-TP	SMAJ5952B-TP	3SMAJ5935B-TP	SMBJ5938B-TP	SMBJ5361B-TP	3SMBJ5932B-TP	DFLZ36-TP
SMAJ4758A-TP	SMAJ5953B-TP	3SMAJ5936B-TP	SMBJ5939B-TP	SMBJ5362B-TP	3SMBJ5933B-TP	DFLZ39-TP
SMAJ4759A-TP	SMAJ5954B-TP	3SMAJ5937B-TP	SMBJ5940B-TP	SMBJ5363B-TP	3SMBJ5934B-TP	DFLZ43-TP
SMAJ4760A-TP	SMAJ5955B-TP	3SMAJ5938B-TP	SMBJ5941B-TP	SMBJ5364B-TP	3SMBJ5935B-TP	DFLZ47-TP
SMAJ4761A-TP	SMAJ5956B-TP	3SMAJ5939B-TP	SMBJ5942B-TP	SMBJ5365B-TP	3SMBJ5936B-TP	DFLZ51-TP
SMAJ4762A-TP	SMAZ10-TP	3SMAJ5940B-TP	SMBJ5943B-TP	SMBJ5366B-TP	3SMBJ5937B-TP	DFLZ56-TP
SMAJ4763A-TP	SMAZ12-TP	3SMAJ5941B-TP	SMBJ5944B-TP	SMBJ5367B-TP	3SMBJ5938B-TP	DFLZ5V1-TP
SMAJ4764A-TP	SMAZ15-TP	3SMAJ5942B-TP	SMBJ5945B-TP	SMBJ5368B-TP	3SMBJ5939B-TP	DFLZ5V6-TP
SMAJ5918B-TP	SMAZ16-TP	3SMAJ5943B-TP	SMBJ5946B-TP	SMBJ5369B-TP	3SMBJ5940B-TP	DFLZ62-TP
SMAJ5919B-TP	SMAZ18-TP	3SMAJ5944B-TP	SMBJ5947B-TP	SMBJ5370B-TP	3SMBJ5941B-TP	DFLZ68-TP
SMAJ5920B-TP	SMAZ20-TP	3SMAJ5945B-TP	SMBJ5948B-TP	SMBJ5371B-TP	3SMBJ5942B-TP	DFLZ6V2-TP
SMAJ5921B-TP	SMAZ22-TP	3SMAJ5946B-TP	SMBJ5949B-TP	SMBJ5372B-TP	3SMBJ5943B-TP	DFLZ6V8-TP
SMAJ5922B-TP	SMAZ24-TP	3SMAJ5947B-TP	SMBJ5950B-TP	SMBJ5373B-TP	3SMBJ5944B-TP	DFLZ75-TP
SMAJ5923B-TP	SMAZ27-TP	3SMAJ5948B-TP	SMBJ5951B-TP	SMBJ5374B-TP	3SMBJ5945B-TP	DFLZ7V5-TP
SMAJ5924B-TP	SMAZ30-TP	3SMAJ5949B-TP	SMBJ5952B-TP	SMBJ5375B-TP	3SMBJ5946B-TP	DFLZ82-TP
SMAJ5925B-TP	SMAZ33-TP	3SMAJ5950B-TP	SMBJ5953B-TP	SMBJ5376B-TP	3SMBJ5947B-TP	DFLZ8V2-TP
SMAJ5926B-TP	SMAZ36-TP	3SMAJ5951B-TP	SMBJ5954B-TP	SMBJ5377B-TP	3SMBJ5948B-TP	DFLZ91-TP
SMAJ5927B-TP	SMAZ39-TP	3SMAJ5952B-TP	SMBJ5955B-TP	SMBJ5378B-TP	3SMBJ5949B-TP	DFLZ9V1-TP



Micro Commercial Components

Part Number: SMAJ5922B-TP

Date 2023

Based on similar Structural

# Reliability Report

## Test Results : PASS

Test Item	Conditions	Duration	Quantity	Rejects
<b>TEST</b>				
Pre- and Post-Stress Electrical Test	T <sub>a</sub> = 25 °C	N/A	all parts	see below
* <b>Pre-conditioning</b>	JESD22A-113 1. Temperature Cycling: -40 °C ~ 60 °C, 2. Bake: 125 °C, 3.1 Moisture Soak: 85 °C, 85%RH for MSL1; or 3.2 Moisture Soak: 30 °C, 60%RH for MSL3; 4. Reflow*3Cycles: 260 °C	5Cycles; 24 hours; 168hours  192hours  3Cycles	308Pcs	0
<b>SSOP</b> Steady State Operational	MIL-STD-750 -1 Method 1038 condition B T <sub>j</sub> = T <sub>jmax</sub> T <sub>a</sub> = 25 ± 5 °C, PD = Max (I <sub>zm</sub> = PD/VZ)	1000 hours	77Pcs	0
<b>TC</b> Temperature Cycling	JESD22-A104 -55 °C (+0, -10)/15Min ~ 150(+15, -0)/15Min,	1000Cycles (500hours)	77Pcs	0
<b>AC</b> Autoclave	JESD22-A102 T <sub>a</sub> = 121 °C ± 2 °C, RH = 100 %, 15psig	96 hours	77Pcs	0
<b>H3TRB</b> High Humidity High Temperature Reverse Bias	JESD22-A101 T <sub>a</sub> = 85 °C ± 2 °C, RH = 85% ± 5%, 100 % VR (VR MAX = 100V)	1000 hours	77Pcs	0
<b>RSH</b> Resistance to Solder Heat	JESD22-B106 260 °C (+5, -0)	10 s	30Pcs	0
<b>SD</b> Solderability	J-STD-002 235 °C ± 5 °C	3 s	10Pcs	0
<b>HTSL</b> High Temperature Storage Life	JESD22-A103 T <sub>stgMax</sub>	1000 hours	77Pcs	0

\*Remark : detail MSL of product refer to data sheet on MCC website.