



130 W Cochran St, Unit B
Simi Valley, CA 93065
Tel:818-701-4933

Process Change Notification (PCN)

Notification number:	080925-2
Notification date:	09 Aug 2025
Proposed implementation date:	09 Sep 2025
Product type affected:	Please refer to table 1 in Appendix 1.
Change Category	Additional new 2nd source
Change Classification	Major
Change description:	To ensure the ability to continue business operation, it has determined with 2nd source (Dual) in case of unforeseen event interruption. Remark: 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.
Reason for change:	To support increasing market demand and supply continuity.
Deposition of old product	Existing inventory will ship until depleted.
Identification of Changed product:	Identify the change based on Lot NO & DC
Contact person:	Please contact your respective Account manager (AM) / Inside sales representative (ISR/CSR) if you have further query.
Approved by:	TH Koay (Director of Product) Steve Zhang (Director of Supply Chain) Seaman Wu (Director of Quality) Pamela Cheng (GM & EVP of Sales)

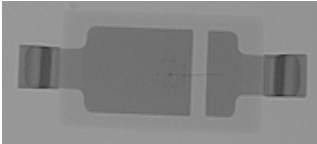
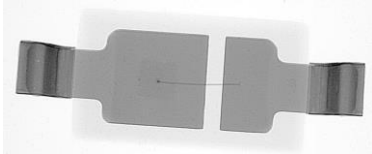
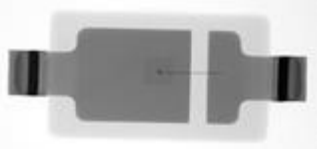
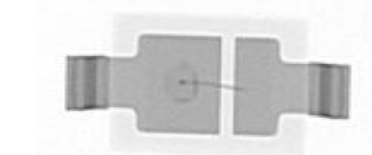


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Appendix 1: 2nd source of Leadframe

No.	Product type	Existing marking	New marking	Package type/code
1	BZT52B4V3-TP	2W6	2W6	SOD-123
2	MMSZ4694-TP	CZ	CZ	SOD-123

Table1: Leadframe Comparison

Product type	Old source	New source
BZT52B4V3-TP		
MMSZ4694-TP		

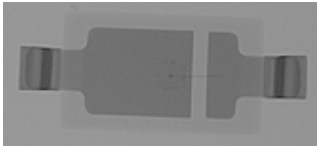
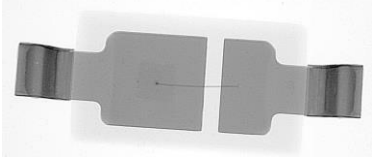
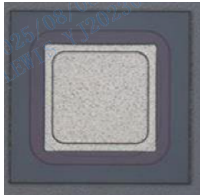
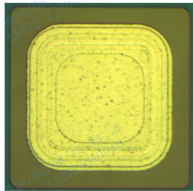


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Appendix 2: 2nd source of Leadframe and chip

No.	Product type	Existing marking	New marking	Package type/code
1	BZT52C10-TP	WF	WF.	SOD-123

Table1: Old Source Comparison

Product type	Old source	New source
BZT52C10-TP		
		



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Date: 09 Aug 2025

PCN #: 080925-2

PCN Title: Additional 2nd source

Dear Customer.

This is a PCN announcement to the above-mentioned product which is/are offered by Micro Commercial Components Corp (MCC). We would appreciate your acknowledgement of receipt of this notification within 30 days of the date of this PCN to your local ISR, sales representative.

Please refer to the attached document for more information (including implementation date / product date code of this change). If you have any questions or concerns related to this PCN, please contact your local sales representative / ISR for support. *Sincerely, MCC PCN Team*

Thank you.

Yours sincerely,

PCN Team



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Reliability Report

Part Number: BZT52B4V3-TP

Date: 2025-01-04

Test Results : PASS

Test Item	Conditions	Duration	Quantity	Rejects
TEST Pre- and Post-Stress Electrical Test	$T_a = 25\text{ }^{\circ}\text{C}$	N/A	all parts	see below
* Pre-conditioning for MSL 1	JESD22A-113 1. Temperature Cycling: $-40\text{ }^{\circ}\text{C} \sim 60\text{ }^{\circ}\text{C}$, 2. Bake: $125\text{ }^{\circ}\text{C}$, 3. Moisture Soak: $85\text{ }^{\circ}\text{C}$, 8 5%RH for MSL1; 4. Reflow*3Cycles: $260\text{ }^{\circ}\text{C}$	5Cycles; 24 hours; 192hours 3Cycles	308Pcs	0
SSOP Steady State Operational	MIL-STD-750 -1 Method 1038 condition B $T_j = T_{jmax}$, $T_a = 25 \pm 5\text{ }^{\circ}\text{C}$, PD=Max (Izm= PD/VZ)	1000 hours	77Pcs	0
TC Temperature Cycling	JESD22-A104 $-55\text{ }^{\circ}\text{C} (+0, -10)/15\text{Min} \sim$ $150(+15, -0)/15\text{Min}$,	1000Cycles (500hours)	77Pcs	0
AC Autoclave	JESD22-A102 $T_a = 121\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, RH = 100 %, 15psig	96 hours	77Pcs	0
H3TRB High Humidity High Temperature Reverse Bias	JESD22-A101 $T_a = 85\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, RH = 85% $\pm$ 5%, 100 % VR (VR MAX=100V)	1000 hours	77Pcs	0
RSH Resistance to Solder Heat	JESD22-B106 $260\text{ }^{\circ}\text{C}$ (+5, -0)	10 s	30Pcs	0
SD Solderability	J-STD-002 $235\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$	3 s	10Pcs	0
HTSL High Temperature Storage Life	JESD22-A103 TstgMax	1000 hours	77Pcs	0

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



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Reliability Report

Part Number: MMSZ4694-TP

Date: 2025-02-17

Test Results : PASS

Test Item	Conditions	Duration	Quantity	Rejects
TEST Pre- and Post-Stress Electrical Test	T _a = 25 °C	N/A	all parts	see below
* Pre-conditioning for MSL 1	JESD22A-113 1. Temperature Cycling: -40 °C ~ 60 °C , 2. Bake: 125 °C , 3. Moisture Soak: 85 °C , 8 5%RH for MSL1; 4. Reflow*3Cycles: 260 °C	5Cycles; 24 hours; 192hours 3Cycles	308Pcs	0
SSOP Steady State Operational	MIL-STD-750 -1 Method 1038 condition B T _j = T _{jmax} , T _a = 25 ± 5 °C , PD = Max (I _{zm} = PD/VZ)	1000 hours	77Pcs	0
TC Temperature Cycling	JESD22-A104 -55 °C (+0, -10)/15Min ~ 150(+15, -0)/15Min,	1000Cycles (500hours)	77Pcs	0
AC Autoclave	JESD22-A102 T _a = 121 °C ± 2 °C , RH = 100 % , 15psig	96 hours	77Pcs	0
H3TRB High Humidity High Temperature Reverse Bias	JESD22-A101 T _a = 85 °C ± 2 °C , RH = 85% ± 5% , 100 % VR (VR MAX = 100V)	1000 hours	77Pcs	0
RSH Resistance to Solder Heat	JESD22-B106 260 °C (+5 , -0)	10 s	30Pcs	0
SD Solderability	J-STD-002 235 °C ± 5 °C	3 s	10Pcs	0
HTSL High Temperature Storage Life	JESD22-A103 TstgMax	1000 hours	77Pcs	0

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



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Reliability Report

Part Number: BZT52C10-TP

Date: 2024-11-22

Test Results : PASS

Test Item	Conditions	Duration	Quantity	Rejects
TEST Pre- and Post-Stress Electrical Test	$T_a = 25\text{ }^{\circ}\text{C}$	N/A	all parts	see below
* Pre-conditioning for MSL 1	JESD22A-113 1. Temperature Cycling: $-40\text{ }^{\circ}\text{C} \sim 60\text{ }^{\circ}\text{C}$, 2. Bake: $125\text{ }^{\circ}\text{C}$, 3. Moisture Soak: $85\text{ }^{\circ}\text{C}$, 8 5%RH for MSL1; 4. Reflow*3Cycles: $260\text{ }^{\circ}\text{C}$	5Cycles; 24 hours; 192hours 3Cycles	308Pcs	0
SSOP Steady State Operational	MIL-STD-750 -1 Method 1038 condition B $T_j = T_{jmax}$, $T_a = 25 \pm 5\text{ }^{\circ}\text{C}$, PD=Max (Izm= PD/VZ)	1000 hours	77Pcs	0
TC Temperature Cycling	JESD22-A104 $-55\text{ }^{\circ}\text{C} (+0, -10)/15\text{Min} \sim$ $150(+15, -0)/15\text{Min}$,	1000Cycles (500hours)	77Pcs	0
AC Autoclave	JESD22-A102 $T_a = 121\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, RH = 100 %, 15psig	96 hours	77Pcs	0
H3TRB High Humidity High Temperature Reverse Bias	JESD22-A101 $T_a = 85\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, RH = 85% $\pm$ 5%, 100 % VR (VR MAX=100V)	1000 hours	77Pcs	0
RSH Resistance to Solder Heat	JESD22-B106 $260\text{ }^{\circ}\text{C}$ (+5, -0)	10 s	30Pcs	0
SD Solderability	J-STD-002 $235\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$	3 s	10Pcs	0
HTSL High Temperature Storage Life	JESD22-A103 TstgMax	1000 hours	77Pcs	0

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