



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

Process Change Notification (PCN)

Notification number:	060324-1
Notification date:	03 Jun 2024
Proposed implementation date:	03 Sep 2024 (90 days notification before change, according to JEDEC standard)
Product type affected:	Please refer to table 1 in Appendix 1.
Change Category	Additional Assembly & Test Centre
Change Classification	Major
Change description:	Add 2nd source to increase production capacity , MCC has determined to add a new 2 nd source for this. 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:	Increase flexibility and volume ramp up.
Deposition of old product	Existing products will supply in parallel with new products from additional source.
Identification of Changed product:	The changed product is identified by the new production line identifier
Contact person:	Please contact your respective Account manager (AM) / Inside sales representative (ISR/CSR) if you have further query.
Approved by:	Jason Gao (Director of Engineering) Steve Zhang (Director of Supply Chain) Seaman Wu (Director of Quality) Pamela Cheng (General Manager)



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Appendix 1: Table 1

Product type			
3EZ5.1D5-TP	1N5955B3P-AP	1N5359B-TP	1N4764AP-TP
3EZ43D5-TP	1N5951B3P-TP	1N5358B-TP	1N4761AP-TP
3EZ39D5-TP	1N5941B3P-TP	1N5357B-TP	1N4759AP-TP
3EZ30D5-TP	1N5938B3P-AP	1N5356B-TP	1N4757AP-TP
3EZ20D5-TP	1N5937B3P-TP	1N5355B-TP	1N4756AP-TP
3EZ16D5-TP	1N5935BP-TP	1N5354B-TP	1N4754AP-TP
3EZ13D5-TP	1N5931B3P-TP	1N5353B-TP	1N4753AP-TP
3EZ12D5-TP	1N5931B3P-AP	1N5352B-TP	1N4751AP-TP
2EZ8.2D5-TP	1N5929BP-TP	1N5351B-TP	1N4750AP-TP
2EZ6.8D5-TP	1N5927BP-AP	1N5350B-TP	1N4749AP-TP
2EZ5.1D5-TP	1N5927B3P-TP	1N5349B-TP	1N4747AP-TP
2EZ30D5-TP	1N5923B3P-TP	1N5348B-TP	1N4746AP-TP
2EZ27D5-TP	1N5388B-TP	1N5347B-TP	1N4746AP-AP
2EZ24D5-TP	1N5369B-TP	1N5346B-TP	1N4744AP-TP
2EZ20D5-TP	1N5368B-TP	1N5344B-TP	1N4744AP-AP
2EZ16D5-TP	1N5367B-TP	1N5343B-TP	1N4742AP-TP
2EZ15D5-TP	1N5366B-TP	1N5342B-TP	1N4742AP-AP
2EZ14D5-TP	1N5365B-TP	1N5341B-TP	1N4740AP-TP
2EZ13D5-TP	1N5364B-TP	1N5340B-TP	1N4739AP-TP
2EZ12D5-TP	1N5363B-TP	1N5339B-TP	1N4738AP-AP
2EZ11D5-TP	1N5362B-TP	1N5338B-TP	1EZ240D5-TP
1N5955BP-TP	1N5361B-TP	1N5334B-TP	1EZ200D5-TP
1N5955B3P-TP	1N5360B-TP	1N5338B-TP-B002	1EZ15D5-TP

Item	Before	After
Marking		



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Date: 03 Jun 2024

PCN #: 060324-1

PCN Title: Additional Assembly & test centre

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. No acknowledgement from you of this PCN constitutes acceptance to the change. 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.

Yours sincerely,

MCC PCN Team



Micro Commercial Components

Reliability Report

Part Number: ZENER Axial Series

Yearly Reliability monitoring:2023
Based on similar Structural

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
T.S Terminal Strength	MIL-STD-750 Method 2036 $W=1\text{Kg}$	15 s	22Pcs	0
B.S Bending Strength	MIL-STD-750 Method 2036 $W=0.5\text{Kg}, 90\pm 5^\circ$	3Times	22Pcs	0
SSOP Steady State Operational	MIL-STD-750 -1 Method 1038 condition B $T_j = T_{jmax}$ $T_a=25\pm 5\text{ }^\circ\text{C}$, $PD=\text{Max}$ ($I_{zm} = PD/VZ$)	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 $T_a = 121\text{ }^\circ\text{C} \pm 2\text{ }^\circ\text{C}$, $\text{RH} = 100\%$, 15psig	96 hours	77Pcs	0
H3TRB High Humidity High Temperature Reverse Bias	JESD22-A101 $T_a = 85\text{ }^\circ\text{C} \pm 2\text{ }^\circ\text{C}$, $\text{RH} = 85\% \pm 5\%$, 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 T_{stgMax}	1000 hours	77Pcs	0