



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

Process Change Notification (PCN)

Notification number:	101625-1
Notification date:	16 Oct 2025
Proposed implementation date:	16 Jan 2026
Product type affected:	Please refer to table 1
Change Category	Product line automation upgrade, internal structure&package outline optimization
Change Classification	Major
Change description:	MCC has upgraded the automation of the SGBJ production line and optimized the internal structure and package outline of the products. The product die has not been changed. 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:	Product line process upgrade
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)

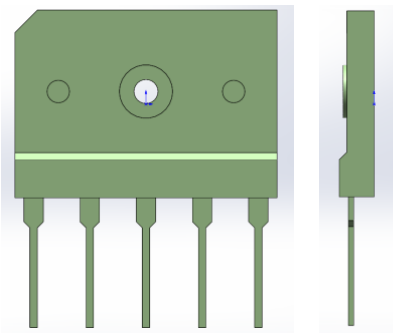
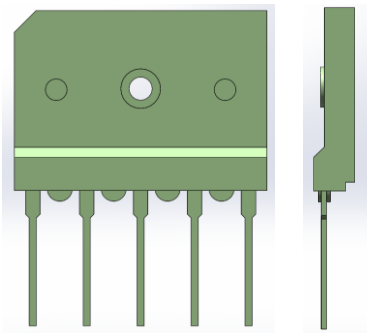
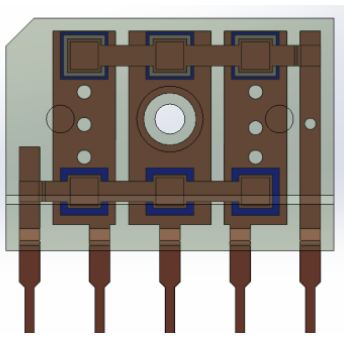
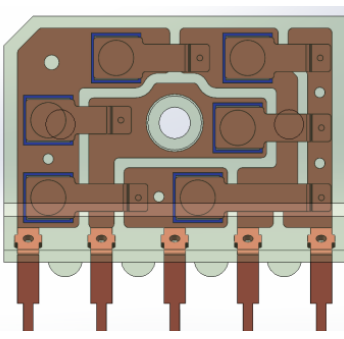


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Table 1: Affected list

Product type affected		
SGBJ2510-BP	SGBJ3510-BP	SGBJ5010-BP
SGBJ2512-BP	SGBJ3512-BP	SGBJ5012-BP
SGBJ2516-BP	SGBJ3516-BP	SGBJ5016-BP

Table 2: Comparison of current and new

	Current	New
Package outline		
Internal structure		



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Date: 16 Oct 2025

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PCN Title: Product line automation upgrade, internal structure&package
outline optimization

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

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
HTRB High Temperature Reverse Bias	MIL-STD-750 Method 1038 $T_j = T_{jmax}$, 80% VR	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 $T_a = 121\text{ }^\circ\text{C} \pm 2\text{ }^\circ\text{C}$, 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%±5%, 80 % VR (VR MAX=100V)	1000 hours	77Pcs	0
IOL Intermittent Operating Life	MIL-STD-750 Method 1037 ON 2Min/OFF 2min, devices powered to insure $\Delta T_j = 100\text{ }^\circ\text{C}$	15000 cycles (1000 hours)	77Pcs	0
RSH Resistance to Solder Heat	JESD22-B106 $270\text{ }^\circ\text{C} \pm 5\text{ }^\circ\text{C}$,	7s (+2,-0)	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