

Process Change Notification (PCN)

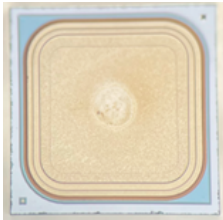
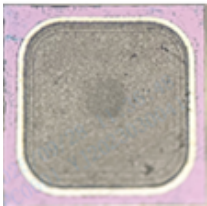
This Product Change Notification (PCN) is issued to inform customers of changes to the products listed below manufactured by Micro Commercial Components Corp. (MCC).

Notification number:	PCN-072926-1
PCN Title:	Additional new 2nd source
Issue date:	7/29/2026
Proposed effective date:	10/29/2026
Product type affected:	Please refer to table 1 in Appendix 1.
Change Category:	Wafer Fab Change
Change Sub-category(s):	Additional wafer source
Change Classification:	Major
Change description and reason:	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.
Deposition of old product:	New product will be produced in parallel with the existing product during the transition period.
Identification of Changed product:	☐ Body Marking ☒ Lot code ☐ Datasheet Revision ☐ Labelling ☐ Reel/package identification ☐ Not Applicable ☐ Date Code
Contact Information:	Please contact your respective MCC Account Manager (AM) / Inside Sales Representative (ISR/CSR)
Approved by:	Seaman Wu (Director of Quality) TH Koay (Head of Product BU) Steve Zhang (Director of Supply Chain) Pamela Cheng (GM & EVP of Sales)

Appendix 1: Table 1

No.	Product type	Existing marking	New marking	Package type/code
1	RB521S-40-TP	S	S	SOD-523
2	RB521S-40-T3P	S	S	SOD-523

Appendix 1: Table 3:Wafer Comparison

Item.	Existing source	New source
Appearance		
Die Size	0.37*0.37mm	0.33*0.33mm

Reliability Data Summary:

Date: 2026-6-16

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,	3000Cycles (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
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

Date: 7/29/2026

PCN #: PCN- 072926-1

PCN Title: Additional new 2nd source

Dear Customer,

This Product Change Notification (PCN) is issued to inform customers of changes affecting the above-mentioned product(s) offered by Micro Commercial Components Corp. (MCC).

Customers are requested to acknowledge receipt of this notification within **30 days** from the issue date of this PCN by contacting their local ISR/CSR or sales representative.

If product samples are required for evaluation purposes, please submit a corresponding request within 30 days of this notification.

If you have any questions, require clarification, or need additional support regarding this PCN, please contact your local Account Manager (AM), CSR, or ISR.

Yours sincerely,

MCC PCN Team