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

Process Change Notification (PCN)

Notification number:	**103025-1**
Notification date:	**30 Oct. 2025**
Proposed implementation date:	**30 Jan. 2026** (90 days notification before change, according to JEDEC standard)
Product type affected:	Please refer to table 2 in Appendix 1.
Change Category	Lead Frame Internal Design Optimization
Change Classification	Major
Change description:	This change involves an optimization of the internal design of the lead frame for the specified product(s),and do not impact the product's external form, fit or function.
Reason for change:	Redesign Clip & Frame to improve solder process consistency, thus enhancing solder quality
Deposition of old product	Existing inventory will ship until depleted.
Identification of Changed product:	No change in product marking. Changed product will be identified by lot code.
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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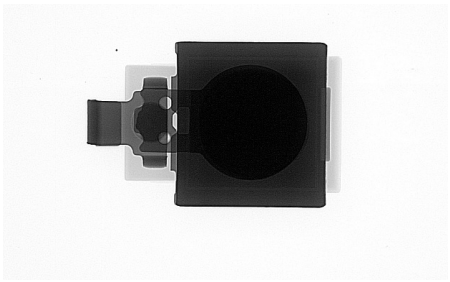
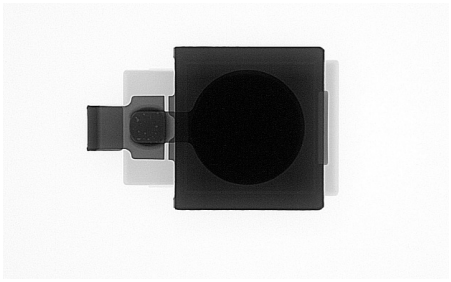
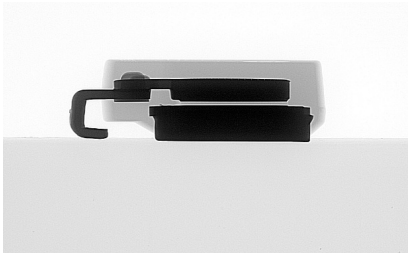
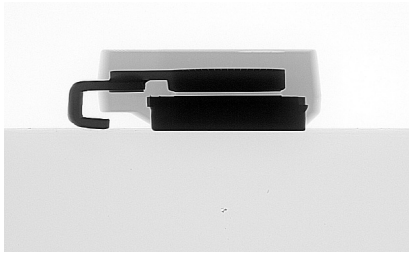
Appendix 1: Table 1

Product type	Before	After
X-ray		
		

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Appendix 1: Table 2

Affected Part Number List			
SM5S10CAHE3-TP	SM5S40AHE3-TP	SM6S33CAHE3-TP	SM8S28CAHE3-TP
SM5S10AHE3-TP	SM5S40CAHE3-TP	SM6S33AHE3-TP	SM8S28AHE3-TP
SM5S11AHE3-TP	SM5S43AHE3-TP	SM6S36CAHE3-TP	SM8S30CAHE3-TP
SM5S11CAHE3-TP	SM5S43CAHE3-TP	SM6S36AHE3-TP	SM8S30AHE3-TP
SM5S12AHE3-TP	SM6S10AHE3-TP	SM6S40CAHE3-TP	SM8S33CAHE3-TP
SM5S12CAHE3-TP	SM6S10CAHE3-TP	SM6S40AHE3-TP	SM8S33AHE3-TP
SM5S13AHE3-TP	SM6S11AHE3-TP	SM6S43CAHE3-TP	SM8S36CAHE3-TP
SM5S13CAHE3-TP	SM6S11CAHE3-TP	SM6S43AHE3-TP	SM8S36AHE3-TP
SM5S14AHE3-TP	SM6S12AHE3-TP	SM8S10CAHE3-TP	SM8S40CAHE3-TP
SM5S14CAHE3-TP	SM6S12CAHE3-TP	SM8S10AHE3-TP	SM8S40AHE3-TP
SM5S15AHE3-TP	SM6S13AHE3-TP	SM8S11CAHE3-TP	SM8S43CAHE3-TP
SM5S15CAHE3-TP	SM6S13CAHE3-TP	SM8S11AHE3-TP	SM8S43AHE3-TP
SM5S16AHE3-TP	SM6S14AHE3-TP	SM8S12AHE3-TP	SM8S45AHE3-TP
SM5S16CAHE3-TP	SM6S14CAHE3-TP	SM8S12CAHE3-TP	SM8S45CAHE3-TP
SM5S17AHE3-TP	SM6S15AHE3-TP	SM8S13AHE3-TP	SM8S48AHE3-TP
SM5S17CAHE3-TP	SM6S15CAHE3-TP	SM8S13CAHE3-TP	SM8S48CAHE3-TP
SM5S18AHE3-TP	SM6S16CAHE3-TP	SM8S14CAHE3-TP	SM8S51AHE3-TP
SM5S18CAHE3-TP	SM6S16AHE3-TP	SM8S14AHE3-TP	SM8S51CAHE3-TP
SM5S20AHE3-TP	SM6S17CAHE3-TP	SM8S15CAHE3-TP	SM8S54AHE3-TP
SM5S20CAHE3-TP	SM6S17AHE3-TP	SM8S15AHE3-TP	SM8S54CAHE3-TP
SM5S22AHE3-TP	SM6S18CAHE3-TP	SM8S16CAHE3-TP	SM8S58AHE3-TP
SM5S22CAHE3-TP	SM6S18AHE3-TP	SM8S16AHE3-TP	SM8S58CAHE3-TP
SM5S24CAHE3-TP	SM6S20CAHE3-TP	SM8S17CAHE3-TP	SM8S60AHE3-TP
SM5S24AHE3-TP	SM6S20AHE3-TP	SM8S17AHE3-TP	SM8S60CAHE3-TP
SM5S26CAHE3-TP	SM6S22CAHE3-TP	SM8S18CAHE3-TP	SM8S64AHE3-TP
SM5S26AHE3-TP	SM6S22AHE3-TP	SM8S18AHE3-TP	SM8S64CAHE3-TP
SM5S28CAHE3-TP	SM6S24CAHE3-TP	SM8S20CAHE3-TP	SM8S70CAHE3-TP
SM5S28AHE3-TP	SM6S24AHE3-TP	SM8S20AHE3-TP	SM8S70AHE3-TP
SM5S30CAHE3-TP	SM6S26CAHE3-TP	SM8S22CAHE3-TP	SM8S75CAHE3-TP
SM5S30AHE3-TP	SM6S26AHE3-TP	SM8S22AHE3-TP	SM8S75AHE3-TP
SM5S33CAHE3-TP	SM6S28CAHE3-TP	SM8S24CAHE3-TP	SM8S78AHE3-TP
SM5S33AHE3-TP	SM6S28AHE3-TP	SM8S24AHE3-TP	SM8S78CAHE3-TP
SM5S36CAHE3-TP	SM6S30CAHE3-TP	SM8S26CAHE3-TP	SM8S85AHE3-TP
SM5S36AHE3-TP	SM6S30AHE3-TP	SM8S26AHE3-TP	SM8S85CAHE3-TP
SM8S36AHE3-TP-A001	SM8S36CAHE3-TP-A001		

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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 °C	N/A	all parts	see below
*	**Pre-conditioning**	JESD22A-113 1.Temperature Cycling:-40℃~60℃, 2.Bake:125℃, 3.1 Moisture Soak:85℃, 85%RH for MSL1; or 3.2 Moisture Soak:30℃, 60%RH for MSL3; 4. Reflow*3Cycles:260℃	5Cycles; 24 hours; 168hours 192hours 3Cycles	261Pcs	0
	HTRB High Temperature Reverse Bias	MIL-STD-750 Method 1038 $T_j = T_{jmax}$, 100% VRwm	1000 hours	77Pcs	0
	TC Temperature Cycling	JESD22-A104 -55℃(+0,-10)/15Min~ 150(+15,-0)/15Min,	1000Cycles (500hours)	77Pcs	0
	AC Autoclave	JESD22-A102 T_a = 121 °C±2℃, RH = 100 %, 15psig	96 hours	77Pcs	0
	H3TRB High Humidity High Temperature Reverse Bias	JESD22-A101 T_a = 85 °C±2℃, RH = 85%±5%, 100 % VR（VR MAX=100V）	1000 hours	77Pcs	0
	RSH Resistance to Solder Heat	JESD22-A111 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

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Date: 30 Oct. 2025

PCN #: 103025-1

PCN Title: Lead Frame Internal Design 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