



130 W Cochran St, Unit B

Simi Valley, CA 93065

Tel:818-701-4933

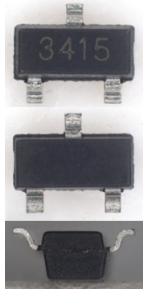
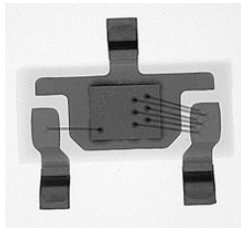
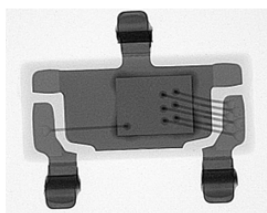
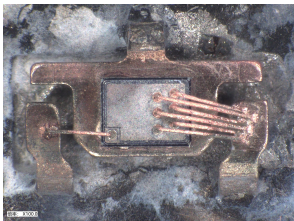
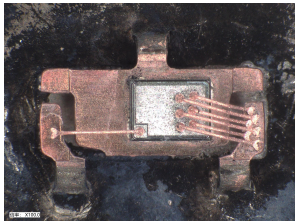
Process Change Notification (PCN)

Notification number:	101725- 1
Notification date:	17 Oct 2025
Proposed implementation date:	17 Jan 2026 (90 days notification before change, according to JEDEC standard)
Product type affected:	Please refer to below Appendix
Change Category	upgrade internal leadframe
Change Classification	Major
Change description:	Upgrade the product leadframe to enhance product stability. 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:	No change in datasheet electrical parameters and POD. Identify the change based on Lot NO of label.
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)

Appendix 1: Affect product

No.	Product type	Package
1	SI3415-TP	SOT-23
2	SI3415A-TP	SOT-23

Table1: Leadframe Comparison

MPN	Item	Original	Upgrade
Representative part number: SI3415A-TP	Appearance		
	X-ray		
	Internal Structure		



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Reliability Report

Part Number: SI3415A-TP

Date: 2024-09-23

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 $^{\circ}\text{C}$ ~ 60 $^{\circ}\text{C}$, 2.Bake:125 $^{\circ}\text{C}$, 3.Moisture Soak:85 $^{\circ}\text{C}$, 85%RH for MSL1; 4.Reflow*3Cycles:260 $^{\circ}\text{C}$	5Cycles; 24 hours; 168hours 3Cycles	251Pcs	0
HTRB High Temperature Reverse Bias	JESD22-A108 Method 1038 $T_j = T_{jmax}$, 80% VDS	168 hours	60Pcs	0
HTGB High Temperature Reverse Bias	JESD22-A108 $T_j = T_{jmax}$, 100% VGS	168 hours	60Pcs	0
TC Temperature Cycling	JESD22-A104 -55 $^{\circ}\text{C}$ (+0,-10)/15Min~ 150(+15,-0)/15Min,	500Cycles	77Pcs	0
PCT Pressure Cooker Test	JESD22-A102 $T_a = 121\text{ }^{\circ}\text{C}$, RH =100%, PA=2 atm	96 hours	77Pcs	0
HTST High Temperature Storage Test	JESD22-A103 $T_a = 150\text{ }^{\circ}\text{C}$,	500 hours	77Pcs	0
RSH Resistance to Solder Heat	JESD22-A111 $T = 260^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 10s	10 s	20Pcs	0
SD Solderability	JESD22-B102 $T = 245^{\circ}\text{C} \pm 5^{\circ}\text{C}$, 5s	5 s	10Pcs	0

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



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Date: 17 Oct 2025

PCN #: 101725-1

PCN Title: upgrade internal leadframe

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