



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

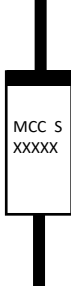
Process Change Notification (PCN)

Notification number:	090325-1
Notification date:	03 Sep 2025
Proposed implementation date:	03 Dec 2025 (90 days notification before change, according to JEDEC standard)
Product type affected:	Please refer to table 1 in Appendix 2.
Change Category	Additional Qualified (A/T) Assembly/Test Centre
Change Classification	Major
Change description:	To ensure the ability to continue business operation, it has determined with 2nd source in case of unforeseen event interruption.
Reason for change:	Increase flexibility and volume ramp up according to company's development plan.
Deposition of old product	Existing inventory will ship until depleted.
Identification of Changed product:	Identify by marking on the product body. Please refer to table 1 in Appendix 1.
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		Current	New
5KP Series 15KP Series	Uni-directional		
5KP Series 15KP Series	Bi-directional		

Note: The markings represent different production lines.



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Appendix 2: Table 1

List of affected products				
15KP100A-TP	5KP200CA-TP	15KP280A-BP	5KP45CA-BP	15KP90A-AP
15KP100CA-TP	5KP20A-TP	15KP280CA-BP	5KP48A-BP	15KP90CA-AP
15KP110A-TP	5KP20CA-TP	15KP28A-BP	5KP48CA-BP	5KP100A-AP
15KP110CA-TP	5KP210A-TP	15KP28CA-BP	5KP5.0A-BP	5KP100CA-AP
15KP120A-TP	5KP210CA-TP	15KP30A-BP	5KP5.0CA-BP	5KP10A-AP
15KP120CA-TP	5KP220A-TP	15KP30CA-BP	5KP51A-BP	5KP10CA-AP
15KP130A-TP	5KP220CA-TP	15KP33A-BP	5KP51CA-BP	5KP110A-AP
15KP130CA-TP	5KP22A-TP	15KP33CA-BP	5KP54A-BP	5KP110CA-AP
15KP150A-TP	5KP22CA-TP	15KP36A-BP	5KP54CA-BP	5KP11A-AP
15KP150CA-TP	5KP24A-TP	15KP36CA-BP	5KP58A-BP	5KP11CA-AP
15KP160A-TP	5KP24CA-TP	15KP40A-BP	5KP58CA-BP	5KP120A-AP
15KP160CA-TP	5KP250A-TP	15KP40CA-BP	5KP6.0A-BP	5KP120CA-AP
15KP170A-TP	5KP250CA-TP	15KP43A-BP	5KP6.0CA-BP	5KP12A-AP
15KP170CA-TP	5KP26A-TP	15KP43CA-BP	5KP6.5A-BP	5KP12CA-AP
15KP17A-TP	5KP26CA-TP	15KP45A-BP	5KP6.5CA-BP	5KP130A-AP
15KP17CA-TP	5KP28A-TP	15KP45CA-BP	5KP60A-BP	5KP130CA-AP
15KP180A-TP	5KP28CA-TP	15KP48A-BP	5KP60CA-BP	5KP13A-AP
15KP180CA-TP	5KP300A-TP	15KP48CA-BP	5KP64A-BP	5KP13CA-AP
15KP18A-TP	5KP300CA-TP	15KP51A-BP	5KP64CA-BP	5KP14A-AP
15KP18CA-TP	5KP30A-TP	15KP51CA-BP	5KP7.0A-BP	5KP14CA-AP
15KP200A-TP	5KP30CA-TP	15KP54A-BP	5KP7.0CA-BP	5KP150A-AP
15KP200CA-TP	5KP33A-TP	15KP54CA-BP	5KP7.5A-BP	5KP150CA-AP
15KP20A-TP	5KP33CA-TP	15KP58A-BP	5KP7.5CA-BP	5KP15A-AP
15KP20CA-TP	5KP350A-TP	15KP58CA-BP	5KP70A-BP	5KP15CA-AP
15KP220A-TP	5KP350CA-TP	15KP60A-BP	5KP70CA-BP	5KP160A-AP
15KP220CA-TP	5KP36A-TP	15KP60CA-BP	5KP75A-BP	5KP160CA-AP
15KP22A-TP	5KP36CA-TP	15KP64A-BP	5KP75CA-BP	5KP16A-AP
15KP22CA-TP	5KP400A-TP	15KP64CA-BP	5KP78A-BP	5KP16CA-AP
15KP240A-TP	5KP400CA-TP	15KP70A-BP	5KP78CA-BP	5KP170A-AP
15KP240CA-TP	5KP40A-TP	15KP70CA-BP	5KP8.0A-BP	5KP170CA-AP
15KP24A-TP	5KP40CA-TP	15KP75A-BP	5KP8.0CA-BP	5KP17A-AP
15KP24CA-TP	5KP43A-TP	15KP75CA-BP	5KP8.5A-BP	5KP17CA-AP



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List of affected products				
15KP260A-TP	5KP43CA-TP	15KP78A-BP	5KP8.5CA-BP	5KP180A-AP
15KP260CA-TP	5KP440A-TP	15KP78CA-BP	5KP85A-BP	5KP180CA-AP
15KP26A-TP	5KP440CA-TP	15KP85A-BP	5KP85CA-BP	5KP18A-AP
15KP26CA-TP	5KP45A-TP	15KP85CA-BP	5KP9.0A-BP	5KP18CA-AP
15KP280A-TP	5KP45CA-TP	15KP90A-BP	5KP9.0CA-BP	5KP190A-AP
15KP280CA-TP	5KP48A-TP	15KP90CA-BP	5KP90A-BP	5KP190CA-AP
15KP28A-TP	5KP48CA-TP	5KP100A-BP	5KP90CA-BP	5KP200A-AP
15KP28CA-TP	5KP5.0A-TP	5KP100CA-BP	15KP100A-AP	5KP200CA-AP
15KP30A-TP	5KP5.0CA-TP	5KP10A-BP	15KP100CA-AP	5KP20A-AP
15KP30CA-TP	5KP51A-TP	5KP10CA-BP	15KP110A-AP	5KP20CA-AP
15KP33A-TP	5KP51CA-TP	5KP110A-BP	15KP110CA-AP	5KP210A-AP
15KP33CA-TP	5KP54A-TP	5KP110CA-BP	15KP120A-AP	5KP210CA-AP
15KP36A-TP	5KP54CA-TP	5KP11A-BP	15KP120CA-AP	5KP220A-AP
15KP36CA-TP	5KP58A-TP	5KP11CA-BP	15KP130A-AP	5KP220CA-AP
15KP40A-TP	5KP58CA-TP	5KP120A-BP	15KP130CA-AP	5KP22A-AP
15KP40CA-TP	5KP6.0A-TP	5KP120CA-BP	15KP150A-AP	5KP22CA-AP
15KP43A-TP	5KP6.0CA-TP	5KP12A-BP	15KP150CA-AP	5KP24A-AP
15KP43CA-TP	5KP6.5A-TP	5KP12CA-BP	15KP160A-AP	5KP24CA-AP
15KP45A-TP	5KP6.5CA-TP	5KP130A-BP	15KP160CA-AP	5KP250A-AP
15KP45CA-TP	5KP60A-TP	5KP130CA-BP	15KP170A-AP	5KP250CA-AP
15KP48A-TP	5KP60CA-TP	5KP13A-BP	15KP170CA-AP	5KP26A-AP
15KP48CA-TP	5KP64A-TP	5KP13CA-BP	15KP17A-AP	5KP26CA-AP
15KP51A-TP	5KP64CA-TP	5KP14A-BP	15KP17CA-AP	5KP28A-AP
15KP51CA-TP	5KP7.0A-TP	5KP14CA-BP	15KP180A-AP	5KP28CA-AP
15KP54A-TP	5KP7.0CA-TP	5KP150A-BP	15KP180CA-AP	5KP300A-AP
15KP54CA-TP	5KP7.5A-TP	5KP150CA-BP	15KP18A-AP	5KP300CA-AP
15KP58A-TP	5KP7.5CA-TP	5KP15A-BP	15KP18CA-AP	5KP30A-AP
15KP58CA-TP	5KP70A-TP	5KP15CA-BP	15KP200A-AP	5KP30CA-AP
15KP60A-TP	5KP70CA-TP	5KP160A-BP	15KP200CA-AP	5KP33A-AP
15KP60CA-TP	5KP75A-TP	5KP160CA-BP	15KP20A-AP	5KP33CA-AP
15KP64A-TP	5KP75CA-TP	5KP16A-BP	15KP20CA-AP	5KP350A-AP
15KP64CA-TP	5KP78A-TP	5KP16CA-BP	15KP220A-AP	5KP350CA-AP



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Appendix 2: Table 1

List of affected products				
15KP70A-TP	5KP78CA-TP	5KP170A-BP	15KP220CA-AP	5KP36A-AP
15KP70CA-TP	5KP8.0A-TP	5KP170CA-BP	15KP22A-AP	5KP36CA-AP
15KP75A-TP	5KP8.0CA-TP	5KP17A-BP	15KP22CA-AP	5KP400A-AP
15KP75CA-TP	5KP8.5A-TP	5KP17CA-BP	15KP240A-AP	5KP400CA-AP
15KP78A-TP	5KP8.5CA-TP	5KP180A-BP	15KP240CA-AP	5KP40A-AP
15KP78CA-TP	5KP85A-TP	5KP180CA-BP	15KP24A-AP	5KP40CA-AP
15KP85A-TP	5KP85CA-TP	5KP18A-BP	15KP24CA-AP	5KP43A-AP
15KP85CA-TP	5KP9.0A-TP	5KP18CA-BP	15KP260A-AP	5KP43CA-AP
15KP90A-TP	5KP9.0CA-TP	5KP190A-BP	15KP260CA-AP	5KP440A-AP
15KP90CA-TP	5KP90A-TP	5KP190CA-BP	15KP26A-AP	5KP440CA-AP
5KP100A-TP	5KP90CA-TP	5KP200A-BP	15KP26CA-AP	5KP45A-AP
5KP100CA-TP	15KP100A-BP	5KP200CA-BP	15KP280A-AP	5KP45CA-AP
5KP10A-TP	15KP100CA-BP	5KP20A-BP	15KP280CA-AP	5KP48A-AP
5KP10CA-TP	15KP110A-BP	5KP20CA-BP	15KP28A-AP	5KP48CA-AP
5KP110A-TP	15KP110CA-BP	5KP210A-BP	15KP28CA-AP	5KP5.0A-AP
5KP110CA-TP	15KP120A-BP	5KP210CA-BP	15KP30A-AP	5KP5.0CA-AP
5KP11A-TP	15KP120CA-BP	5KP220A-BP	15KP30CA-AP	5KP51A-AP
5KP11CA-TP	15KP130A-BP	5KP220CA-BP	15KP33A-AP	5KP51CA-AP
5KP120A-TP	15KP130CA-BP	5KP22A-BP	15KP33CA-AP	5KP54A-AP
5KP120CA-TP	15KP150A-BP	5KP22CA-BP	15KP36A-AP	5KP54CA-AP
5KP12A-TP	15KP150CA-BP	5KP24A-BP	15KP36CA-AP	5KP58A-AP
5KP12CA-TP	15KP160A-BP	5KP24CA-BP	15KP40A-AP	5KP58CA-AP
5KP130A-TP	15KP160CA-BP	5KP250A-BP	15KP40CA-AP	5KP6.0A-AP
5KP130CA-TP	15KP170A-BP	5KP250CA-BP	15KP43A-AP	5KP6.0CA-AP
5KP13A-TP	15KP170CA-BP	5KP26A-BP	15KP43CA-AP	5KP6.5A-AP
5KP13CA-TP	15KP17A-BP	5KP26CA-BP	15KP45A-AP	5KP6.5CA-AP
5KP14A-TP	15KP17CA-BP	5KP28A-BP	15KP45CA-AP	5KP60A-AP
5KP14CA-TP	15KP180A-BP	5KP28CA-BP	15KP48A-AP	5KP60CA-AP
5KP150A-TP	15KP180CA-BP	5KP300A-BP	15KP48CA-AP	5KP64A-AP
5KP150CA-TP	15KP18A-BP	5KP300CA-BP	15KP51A-AP	5KP64CA-AP
5KP15A-TP	15KP18CA-BP	5KP30A-BP	15KP51CA-AP	5KP7.0A-AP
5KP15CA-TP	15KP200A-BP	5KP30CA-BP	15KP54A-AP	5KP7.0CA-AP



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5KP160A-TP	15KP200CA-BP	5KP33A-BP	15KP54CA-AP	5KP7.5A-AP
5KP160CA-TP	15KP20A-BP	5KP33CA-BP	15KP58A-AP	5KP7.5CA-AP
5KP16A-TP	15KP20CA-BP	5KP350A-BP	15KP58CA-AP	5KP70A-AP
5KP16CA-TP	15KP220A-BP	5KP350CA-BP	15KP60A-AP	5KP70CA-AP
5KP170A-TP	15KP220CA-BP	5KP36A-BP	15KP60CA-AP	5KP75A-AP
5KP170CA-TP	15KP22A-BP	5KP36CA-BP	15KP64A-AP	5KP75CA-AP
5KP17A-TP	15KP22CA-BP	5KP400A-BP	15KP64CA-AP	5KP78A-AP
5KP17CA-TP	15KP240A-BP	5KP400CA-BP	15KP70A-AP	5KP78CA-AP
5KP180A-TP	15KP240CA-BP	5KP40A-BP	15KP70CA-AP	5KP8.0A-AP
5KP180CA-TP	15KP24A-BP	5KP40CA-BP	15KP75A-AP	5KP8.0CA-AP
5KP18A-TP	15KP24CA-BP	5KP43A-BP	15KP75CA-AP	5KP8.5A-AP
5KP18CA-TP	15KP260A-BP	5KP43CA-BP	15KP78A-AP	5KP8.5CA-AP
5KP190A-TP	15KP260CA-BP	5KP440A-BP	15KP78CA-AP	5KP85A-AP
5KP190CA-TP	15KP26A-BP	5KP440CA-BP	15KP85A-AP	5KP85CA-AP
5KP200A-TP	15KP26CA-BP	5KP45A-BP	15KP85CA-AP	5KP9.0A-AP
5KP9.0CA-AP	5KP90A-AP	5KP90CA-AP	15KP60A-AP-B002	15KP60CA-AP-B002
15KP51CA-TP-B002	15KP58A-TP-B002	15KP58CA-TP-B002		



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Reliability Report

Part Number: TVS Axial Series

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 $T_j = T_{jmax}, 80\% \text{ VR}$	1000 hours	22Pcs	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)	22Pcs	0
UHASt	JESD22-A102 $130 \pm 2\text{ }^{\circ}\text{C}, 85\% \pm 5\% \text{RH}$	96 hours	22Pcs	0
HAST	JESD22-A101 $130 \pm 2\text{ }^{\circ}\text{C}, 85\% \pm 5\% \text{RH}, 80\%$ $\text{VR}(\text{MAX}=42\text{V})$	1000 hours	22Pcs	0
RSH Resistance to Solder Heat	JESD22-B106 $\text{THT}, 270(+2,-0)\text{ }^{\circ}\text{C}$	7 s	10Pcs	0
SD Solderability	J-STD-002 $235\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$	3 s	10Pcs	0



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Date: 03 Sep 2025

PCN #: 090325-1

PCN Title: Additional Qualified (A/T) 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. 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