



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

Final Process Change Notification (FPCN)

Notification number:	041825-2
Notification date:	18 Apr 2025
Proposed implementation date:	18 Oct 2025
Product type affected:	Please refer to table 1&2 in Appendix 1.
Change Category	Additional Assembly & test centre
Change Classification	Major
Change description:	Releasing of new MCC plant in Vietnam to support increasing production capacity.
Reason for change:	Increase flexibility and volume ramp up according to company's development plan.
Deposition of old product	Additional new product will produce in parallel with existing product.
Identification of Changed product:	Identify by manufacturing location (COO)and marking on the product body.Please refer to table 1 in Appendix 2.
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

Package&Category	Current Manufacturing Site	Additional/ New manufacturing site
Package: SMA、SMB、SMC、 SOD-123FL Product Category: Bridge Rectifiers、 Standard Recovery Rectifiers、 Fast Recovery Rectifiers、 Super Fast Recovery Rectifiers、 Schottky Barrier Rectifiers TVS、 Zener	Factory Address: (1)Micro Commercial Components Corp. Ltd. No. 6, West Heye Road, Weiyang Economic Development Zone, Yangzhou, China (2)Micro Commercial Components Corp. Ltd. No. 12, East District, Electronic Information Industrial Park,Sihong Economic Development Zone, Suqian,China (3)Micro Commercial Components Corp. Ltd. No.26, Chuangyeyuan Middle Road, Yangzhou City, Jiangsu Province, China	Factory Address: (1)Micro Commercial Components Corp. Ltd. No. 6, West Heye Road, Weiyang Economic Development Zone, Yangzhou, China (2)Micro Commercial Components Corp. Ltd. No. 12, East District, Electronic Information Industrial Park,Sihong Economic Development Zone, Suqian,China (3)Micro Commercial Components Corp. Ltd. No.26, Chuangyeyuan Middle Road, Yangzhou City, Jiangsu Province, China (4)Micro Commercial Components Vietnam Company Limited Lot No. CN2-1 Yen phong II-C Industrial Park, Tam Giang Ward, Yen Phong Town, Bac Ninh City, Bac Ninh Province,VietNam.

Note:

(1)This change only includes non-AECQ products.

(2)For the list of affected part numbers contained in the above Package, please see Table 2.



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Appendix 1: Table 2

List of affected products-Standard MPN				
SM4F100A-TP	FSM17PL-TP-HF	3SMAJ5953B-TP-HF	SK53B-LTP	5.0SMLJ33CA-TP
SM4F10A-TP	SFM11PL-TP	ES1D-LTP-HF	SK55B-LTP	5.0SMLJ36CA-TP
SM4F10CA-TP	SFM12PL-TP	ES2C-LTP	SK58B-LTP	5.0SMLJ40CA-TP
SM4F11A-TP	SFM13PL-TP	FS1A-LTP	SMBJ10CA-TP-HF	5.0SMLJ43CA-TP
SM4F11CA-TP	SFM14PL-13P	FS1K-LTP-HF	SMBJ15CA-TP-HF	5.0SMLJ45CA-TP
SM4F12A-TP	SFM17PL-TP	FS2A-LTP	SMBJ250AL-TP	5.0SMLJ48CA-TP
SM4F12CA-TP	SM4007PL-13P	FS2B-LTP	SMBJ250CAL-TP	5.0SMLJ51CA-TP
SM4F13A-TP	SM4007PL-TP-HF	FS2D-LTP	SMBJ250CA-TP	5.0SMLJ54CA-TP
SM4F13CA-TP	SM5391PL-TP	GS1BE-TP	SMBJ300AL-TP	5.0SMLJ58CA-TP
SM4F14A-TP	SM5392PL-TP	GS1M-LTP-HF	SMBJ300CAL-TP	5.0SMLJ60CA-TP
SM4F14CA-TP	SM5393PL-TP	GS1Y-LTP-HF	SMBJ30A-TP-HF	5.0SMLJ64CA-TP
SM4F15A-TP	SM5395PL-TP	GS1ZS-LTP	SMBJ350AL-TP	5.0SMLJ70CA-TP
SM4F15CA-TP	SM5817PL-13P	GS2B-LTP	SMBJ350A-TP	5.0SMLJ75CA-TP
SM4F16A-TP	SM5819PL-TP-HF	GS2D-LTP	SMBJ350CAL-TP	5.0SMLJ78CA-TP
SM4F16CA-TP	SMD110PL-13P	GS2G-LTP	SMBJ400AL-TP	5.0SMLJ85CA-TP
SM4F17A-TP	SMD110PL-TP-HF	GS2M-LTP-HF	SMBJ400CA-TP-HF	5.0SMLJ90CA-TP
SM4F17CA-TP	SMD15PL-TP	GS2Z-LTP	SMBJ440AL-TP	5.0SMLJ100CA-TP
SM4F18A-TP	SMD220PL-TP-HF	M7-TP	SMBJ5338B-TP	5.0SMLJ110CA-TP
SM4F18CA-TP	SMD24PL-13P	MURS1A-TP	SMBJ5338B-TP-HF	5.0SMLJ120CA-TP
SM4F19A-TP	SMD28PL-TP	MURS1B-TP	SMBJ5339B-TP	5.0SMLJ130CA-TP
SM4F19CA-TP	SMD32PL-TP	SK345A-LTP-HF	SMBJ5340B-TP	5.0SMLJ150CA-TP
SM4F20A-TP	SMD34PL-13P	SK34A-LTP-HF	SMBJ5341B-TP	5.0SMLJ160CA-TP
SM4F20CA-TP	SMD38PL-TP	SK38A-LTP-HF	SMBJ5918B-TP	5.0SMLJ170CA-TP
SM4F22A-TP	UFM11PL-TP	SK54A-LTPCA01	SMBJ5919B-TP	5.0SMLJ180A-TP
SM4F22CA-TP	UFM17PL-13P	SK55A-LTP	SMBJ5920B-TP	5.0SMLJ190A-TP
SM4F24A-TP	UG1APL-TP	SK58A-LTP	SMBJ60A-TP-HF	5.0SMLJ200A-TP
SM4F24CA-TP	UG1CPL-TP	SL110A-TP-HF	SMBJ60CA-TP-HF	5.0SMLJ220A-TP
SM4F26A-TP	UG1FPL-TP	SMA6J58A-TP-HF	SMBJP6KE250AL-TP	5.0SMLJ250A-TP
SM4F26CA-TP	UG1GPL-TP-HF	SMAJ10A-TP-HF	SMBJP6KE300AL-TP	5.0SMLJ300A-TP
SM4F28A-TP	SMA6J10A-TP	SMAJ110CA-TP	SMBJP6KE350AL-TP	5.0SMLJ350A-TP
SM4F28CA-TP	SMA6J10CA-TP	SMAJ120CA-TP	SMBJP6KE350A-TP	5.0SMLJ400A-TP
SM4F30A-TP	SMA6J11A-TP	SMAJ130CA-TP	SMBJP6KE400AL-TP	5.0SMLJ180CA-TP
SM4F30CA-TP	SMA6J11CA-TP	SMAJ150CA-TP	SMBJP6KE400A-TP	5.0SMLJ190CA-TP



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Appendix 1: Table 2

List of affected products-Standard MPN				
SM4F33A-TP	SMA6J12A-TP	SMAJ160CA-TP	UF1A-TP	5.0SMLJ200CA-TP
SM4F33CA-TP	SMA6J12CA-TP	SMAJ170CA-TP	UF1B-TP	5.0SMLJ220CA-TP
SM4F36A-TP	SMA6J13A-TP	SMAJ180CA-TP	UF1J-TP	5.0SMLJ250CA-TP
SM4F36CA-TP	SMA6J13CA-TP	SMAJ200CA-TP	UF1K-TP	5.0SMLJ300CA-TP
SM4F40A-TP	SMA6J14A-TP	SMAJ250CA-TP	UG3AB-TP	5.0SMLJ350CA-TP
SM4F40CA-TP	SMA6J14CA-TP	SMAJ43CA-TP-HF	UG3BB-TP	5.0SMLJ400CA-TP
SM4F43A-TP	SMA6J15A-TP	SMAJP4KE220AL-TP	UG3CB-TP	SMCJ1.5KE18A-TP-HF
SM4F43CA-TP	SMA6J15CA-TP	SMAJP4KE24A-TP-HF	US1YB-TP	SMCJ1.5KE250A-TP
SM4F45A-TP	SMA6J16A-TP	SMAJP4KE250AL-TP	US2B-TP	SMCJ1.5KE250CA-TP
SM4F45CA-TP	SMA6J16CA-TP	SMAJP4KE250A-TP	US2C-TP	SMCJ1.5KE530A-TP
SM4F48A-TP	SMA6J17A-TP	SMAJP4KE300AL-TP	US2M-TP-HF	SMCJ1.5KE530CA-TP
SM4F5.0A-TP	SMA6J17CA-TP	SMAJP4KE350AL-TP	5.0SMLJ11A-TP	SMCJ1.5KE540A-TP
SM4F5.0CA-TP	SMA6J18A-TP	SMAJS24CA-TP	5.0SMLJ12A-TP	SMCJ1.5KE550A-TP
SM4F51A-TP	SMA6J18CA-TP	SMAZ36-TP-HF	5.0SMLJ13A-TP	SMCJ250AL-TP
SM4F54A-TP	SMA6J19A-TP	SS1150-LTP-HF	5.0SMLJ14A-TP	SMCJ250A-TP
SM4F58A-TP	SMA6J19CA-TP	SS14-LTP-HF	5.0SMLJ15A-TP	SMCJ250CA-TP
SM4F6.0A-TP	SMA6J20A-TP	SS16-LTP-HF	5.0SMLJ16A-TP	SMCJ300AL-TP
SM4F6.0CA-TP	SMA6J20CA-TP	SS25-LTP	5.0SMLJ17A-TP	SMCJ300CA-TP
SM4F6.5A-TP	SMA6J22A-TP	UG1A-TP	5.0SMLJ18A-TP	SMCJ350AL-TP
SM4F6.5CA-TP	SMA6J22CA-TP	UG1B-TP	5.0SMLJ20A-TP	SMCJ85A-TP-HF
SM4F60A-TP	SMA6J24A-TP	UG1C-TP	5.0SMLJ22A-TP	ER3AB-TP
SM4F64A-TP	SMA6J24CA-TP	UG1F-TP	5.0SMLJ24A-TP	ER3A-TP
SM4F7.0A-TP	SMA6J26A-TP	UP2DA-TP	5.0SMLJ26A-TP	ER3B-TP
SM4F7.0CA-TP	SMA6J26CA-TP	US1A-TP	5.0SMLJ28A-TP	ER3D-TP-HF
SM4F7.5A-TP	SMA6J28A-TP	US1C-TP	5.0SMLJ30A-TP	ER5A-TP
SM4F7.5CA-TP	SMA6J28CA-TP	US1J-TP-HF	5.0SMLJ33A-TP	ER5B-TP
SM4F70A-TP	SMA6J30A-TP	US1M-TP-HF	5.0SMLJ36A-TP	ER5C-TP
SM4F75A-TP	SMA6J30CA-TP	US2BA-TP	5.0SMLJ40A-TP	FR3A-TP
SM4F78A-TP	SMA6J33A-TP	US2CA-TP	5.0SMLJ43A-TP	FR3D-TP
SM4F8.0A-TP	SMA6J33CA-TP	US2MA-TP-HF	5.0SMLJ45A-TP	GS5Z-TP
SM4F8.5A-TP	SMA6J36A-TP	SMAJ12C-TP	5.0SMLJ48A-TP	MURS4J-TP-HF
SM4F85A-TP	SMA6J36CA-TP	3SMBJ5918B-TP	5.0SMLJ51A-TP	S10BL-TP
SM4F9.0A-TP	SMA6J40A-TP	3SMBJ5919B-TP	5.0SMLJ54A-TP	S3D-TP
SM4F90A-TP	SMA6J40CA-TP	ER1A-LTP	5.0SMLJ58A-TP	S5DL-TP



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List of affected products-Standard MPN				
SM4F8.0CA-TP	SMA6J43A-TP	ER1B-LTP	5.0SMLJ60A-TP	S5GL-TP
SM4F8.5CA-TP	SMA6J43CA-TP	ER2A-LTP	5.0SMLJ64A-TP	S8AL-TP
SM4F9.0CA-TP	SMA6J45A-TP	ER3CB-TP	5.0SMLJ70A-TP	S8BL-TP
SM4F18A-13P	SMA6J45CA-TP	ER3KB-TP	5.0SMLJ75A-TP	S8DL-TP
SM4F20A-TP-HF	SMA6J48A-TP	FR1A-LTP	5.0SMLJ78A-TP	S8GL-TP
SMF16A-TP-HF	SMA6J48CA-TP	FR1B-LTP	5.0SMLJ85A-TP	S8KL-TP-HF
SMF26A-TP-HF	SMA6J5.0A-TP	FR1G-LTP	5.0SMLJ90A-TP	SK3200-TP-HF
SMF43A-TP-HF	SMA6J5.0CA-TP	FR2A-LTP	5.0SMLJ100A-TP	SK34-TP-HF
SMF5.0A-TP-HF	SMA6J51A-TP	FR2B-LTP	5.0SMLJ110A-TP	SK43L-TP
SMF70A-TP-HF	SMA6J51CA-TP	FR2D-LTP	5.0SMLJ120A-TP	SK52L-TP
SMF78A-TP-HF	SMA6J54A-TP	FR3AB-TP	5.0SMLJ130A-TP	SK54L-TP-HF
SMF6.5A-TP-HF	SMA6J54CA-TP	FR3DB-TP	5.0SMLJ150A-TP	SK62L-TP
DFLZ22-TP-HF	SMA6J58A-TP	FR3KB-TP	5.0SMLJ160A-TP	SK63L-TP
FSM154PL-TP	SMA6J58CA-TP	S1A-LTP	5.0SMLJ170A-TP	SK64L-TP
FSM155PL-TP	SMA6J6.0A-TP	S1B-LTP	5.0SMLJ111CA-TP	SK65L-TP
FSM157PL-TP	SMA6J6.0CA-TP	S2K-LTP-HF	5.0SMLJ12CA-TP	SK68L-TP
SL32PL-TP	SMA6J6.5A-TP	S2M-LTP-HF	5.0SMLJ13CA-TP	SK82L-TP
SM5397PL-TP	SMA6J6.5CA-TP	SK110-LTP-HF	5.0SMLJ14CA-TP	SK835L-TP
SM5398PL-TP	SMA6J7.0A-TP	SK1150-LTP	5.0SMLJ15CA-TP	SK83L-TP
SM5399PL-TP	SMA6J7.0CA-TP	SK22-LTP	5.0SMLJ16CA-TP	SK86L-TP-HF
SMD310PL-TP	SMA6J7.5A-TP	SK25-LTP	5.0SMLJ17CA-TP	SK88L-TP
SMD315PL-TP	SMA6J7.5CA-TP	SK28-LTP	5.0SMLJ18CA-TP	US5A-TP
SMD320PL-TP	SMA6J8.0A-TP	SK3150BH-LTP	5.0SMLJ20CA-TP	US5F-TP
SMD34PL-TP	SMA6J8.0CA-TP	SK3150B-LTP-HF	5.0SMLJ22CA-TP	US5J-TP
SMD36PL-TP	SMA6J8.5A-TP	SK3200BH-TP	5.0SMLJ24CA-TP	
FSM11PL-TP	SMA6J8.5CA-TP	SK38B-LTP	5.0SMLJ26CA-TP	
FSM12PL-TP	SMA6J9.0A-TP	SK5150BH-TP	5.0SMLJ28CA-TP	
FSM16PL-TP	SMA6J9.0CA-TP	SK520BH-TP	5.0SMLJ30CA-TP	



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Appendix 1: Table 2

List of affected products-Special MPN				
SM4F5.0A-TP-T01	UFM14PL-TP-B002	SK36A-LTPS03	US1K-TP-B002	SK34B-LTP-B002
SM4004PL-TP-B002	UFM15PL-TP-B002	SL310A-TP-B002	US2GA-TPS01	SK34B-LTPS01
SM5817PL-TP-B002	UFM17PL-TP-B002	SL36A-TPS01	3SMBJ5919B-TPS01	SK510B-LTP-B002
SM5818PL-TPS01	3SMAJ5941B-TPS01	SMAZ5V6-TPS01	3SMBJ5927B-TPS02	SK520B-LTP-B002
SM5819PL-TP-B002	ES1D-LTP-B002	SS1150-LTP-B002	3SMBJ5928B-TPS01	SMCJ13A-TPS01
SM5819PL-TPS01	ES1G-LTPS01	SS1200-LTP-B002	ER2G-LTP-B002	ER3JL-TP-B002
SM5819PL-TPS06	FS1J-LTP-B002	SS14-LTP-B002	ER3GB-TP-B002	S3M-TP-B002
SMD1150PL-TPS02	GS1A-LTP-HF-B002	SS16-LTP-B002	ER3JB-TPS01	SK310-TP-L01
SMD1200PL-TP-B002	GS1G-LTPS01	SS2150-LTP-B002	S2M-LTP-B002	SK310-TPS01
SMD16PL-TP-B002	GS1M-LTP-B002	SS220-LTP-B002	S3JB-TP-HF-B002	SK36-TP-B002
SMD16PL-TPS01	GS1Z-LTP-B002	SS24-LTPS03	SK220-LTP-B002	SK39-TP-L01
SMD2150PL-TPS01	GS2Y-LTP-B002	SS24-LTPS05	SK24-LTP-B002	SK4200L-TP-HF-B002
SMD220PL-TP-B002	SK34AL-TPS01-B002	UG1D-TP-B002	SK24-LTPS02	SK5200L-TP-B002
SMD24PL-TPS04	SK34A-LTPS02	US1G-TP-B002	SK310B-LTP-B002	SK56L-TP-B002
SMD24PL-TPS06	SK36A-LTP-L01	US1J-TP-B002	SK3200B-LTP-B002	SK810L-TP-B002



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Appendix 2: Table 1

Package		Current	New
SMA SMB SMC	Uni-directional		
	Bi-directional		
SOD-123FL	Uni-directional		
	Bi-directional		



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Part Number: SMD Series

Reliability Report

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	JESD22A-113 1. Temperature Cycling: $-40\text{ }^\circ\text{C} \sim 60\text{ }^\circ\text{C}$, 2. Bake: $125\text{ }^\circ\text{C}$, 3.1 Moisture Soak: $85\text{ }^\circ\text{C}$, 85%RH for MSL1 OR 3.2 Moisture Soak: $30\text{ }^\circ\text{C}$, 60%RH for MSL3; 4. Reflow*3Cycles: $260\text{ }^\circ\text{C}$	5Cycles; 24 hours; 168hours 192hours 3Cycles	308Pcs	0
HTRB High Temperature Reverse Bias	MIL-STD-750 Method 1038 $T_j = T_{jmax}$, 80% VR	168 hours	77Pcs	0
TC Temperature Cycling	JESD22-A104 $-55\text{ }^\circ\text{C} (+0, -10)/15\text{Min} \sim$ $150(+15, -0)/15\text{Min}$,	100Cycles (50hours)	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
HAST High Humidity High Temperature Reverse Bias	$130 \pm 2\text{ }^\circ\text{C}$, 85% $\pm 5\%$ RH, 80%VR (Max=42V)	96 hours	77Pcs	0
IOL Intermittent Operating Life	MIL-STD-750 Method 1037 ON 2Min/OFF 2min, devices powered to insure $\Delta T_j \geq 100\text{ }^\circ\text{C}$	2520 cycles (168 hours)	77Pcs	0
RSH Resistance to Solder Heat	JESD22-B106 $260\text{ }^\circ\text{C} (+5, -0)$	10 s	30Pcs	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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PCN #: 041825-2

PCN Title: Additional assembly & test center

Dear Customer.

Micro Commercial Components Corp (MCC) is pleased to announce that the product changes outlined in this FPCN have been successfully qualified. All affected products have passed the necessary qualification processes, and qualification reports are available upon request. Mass production samples have also been prepared and are available for evaluation. We are now ready to support mass production orders for these updated products effective immediately. If you have any questions about FPCN's products, please contact your local sales representative.

Thank you.

Yours sincerely,

PCN Team