



Date: March 03, 2022

PCN No#: 030322-1

PCN Title: Additional Qualified (A/T) Assembly/Test Equipments

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Micro Commercial Components Corp (MCC). We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local sales representative to acknowledge receipt of this PCN.

If you have any questions about PCN's products, please contact your local sales representative.

Sincerely,

MCC PCN Team

PRODUCT CHANGE NOTICE

Notification Date	Implementation Date	Change Type	Classification	PCN No
March 03, 2022	June 03, 2022	Additional Qualified A/T	Major	030322-1
TITLE				
Additional Qualified (A/T) Assembly/Test Equipments				
DESCRIPTION OF CHANGE				
This PCN is being issued to notify customers that in order to assure continuity of supply and increase the level of automation, MCC has qualified additional (A/T) Assembly/Test Equipments. 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.				
IMPACT				
No change in datasheet electrical parameters and product performance. Table A: Package outline comparison.				
PRODUCTS AFFECTED				
Table B				
WEB LINKS				
Terms And Conditions:	https://www.mccsemi.com/Home/TermsAndConditions			
For More Information Contact:	https://www.mccsemi.com/Contact/Index			
Products:	https://www.mccsemi.com/ProductCategories			
DISCLAIMER				
Unless a MCC Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.				








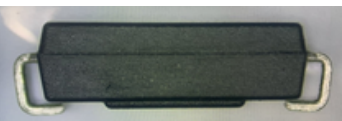
Table A - Lead frame comparison and package outline comparison		
	Before Change	After Change
SMB	 	 
SMC	 	 

Table B - List of affected products

ER1B-LTP	S3A-TP	SK42BL-TP	SMBJ220A-TP	SMBJP6KE33A-TP	SMCJ16CA-TP
ER1D-LTP	S3BB-TP	SK42L-TP	SMBJ22CA-TP	SMBJP6KE33CA-TP	SMCJ170A-TP
ER1G-LTP	S3B-TP	SK43BL-TP	SMBJ24A-TP	SMBJP6KE36A-TP	SMCJ170CA-TP
ER1Q-LTP	S3DB-TP	SK44BL-TP	SMBJ24CA-TP	SMBJP6KE36CA-TP	SMCJ17A-TP
ER2B-LTP	S3D-TP	SK44L-TP	SMBJ26A-TP	SMBJP6KE39A-TP	SMCJ18A-TP
ER2D-LTP	S3GB-TP	SK510A-LTP	SMBJ26CA-TP	SMBJP6KE400AL-TP	SMCJ18CA-TP
ER2G-LTP	S3G-TP	SK510BH-LTP	SMBJ28A-TP	SMBJP6KE400A-TP	SMCJ20A-TP
ER2J-LTP	S3JB-TP	SK510B-LTP	SMBJ28CA-TP	SMBJP6KE43A-TP	SMCJ20CA-TP
ER3BB-TP	S3J-TP	SK510L-TP	SMBJ30A-TP	SMBJP6KE47A-TP	SMCJ22CA-TP
ER3C-TP	S3KB-TP	SK5150B-LTP	SMBJ30CA-TP	SMBJP6KE51A-TP	SMCJ24A-TP
ER3DB-TP	S3K-TP	SK5150L-TP	SMBJ33A-TP	SMBJP6KE56A-TP	SMCJ24CA-TP
ER3D-TP	S3MB-TP	SK5200L-TP	SMBJ33CA-TP	SMBJP6KE56CA-TP	SMCJ26A-TP
ER3D-TP-HF	S3M-TP	SK5200L-TP-B002	SMBJ36A-TP	SMBJP6KE6.8A-TP	SMCJ26CA-TP
ER3D-TPS02-L01	S3Q-TP	SK520B-LTP	SMBJ36CA-TP	SMBJP6KE6.8CA-TP	SMCJ28A-TP
ER3GB-TP	S5DL-TP	SK53L-TP	SMBJ40A-TP	SMBJP6KE62CA-TP	SMCJ28CA-TP
ER3G-LTP	S5GL-TP	SK54B-LTP	SMBJ40CA-TP	SMBJP6KE7.5CA-TP	SMCJ30CA-TP
ER3G-TP-HF	S5JL-TP	SK54L-TP	SMBJ43CA-TP-HF	SMBJP6KE82A-TP	SMCJ33A-TP
ER3JB-TP	S5KL-TP	SK54L-TP-HF	SMBJ48A-TP	SMBJP6KE91CA-TP	SMCJ33CA-TP
ER3JL-TP	S5ML-TP	SK55L-TP	SMBJ48CA-TP	SMCJ1.5KE100CA-TP	SMCJ36A-TP
ER3JL-TP-B002	S8KL-TP	SK56A-LTP	SMBJ5.0A-TP	SMCJ1.5KE110A-TP	SMCJ36CA-TP
ER3J-TP	S8KL-TP-HF	SK56B-LTP	SMBJ5.0CA-TP	SMCJ1.5KE11A-TP	SMCJ40A-TP
ER3K-TP	S8ML-TP	SK56L-TP	SMBJ51A-TP	SMCJ1.5KE12A-TP	SMCJ40CA-TP
ER3K-TPS01	SK1010H-LTP	SK58L-TP	SMBJ51CA-TP	SMCJ1.5KE12CA-TP	SMCJ43A-TP
ER3MB-TP	SK1045-LTP	SK645L-TP	SMBJ58A-TP	SMCJ1.5KE15A-TP	SMCJ43CA-TP
ER3M-TP	SK110-LTP	SK64L-TP	SMBJ58CA-TP	SMCJ1.5KE15CA-TP	SMCJ45CA-TP
ER5D-TP	SK110-LTP-HF	SK810L-TP	SMBJ6.0CA-TP	SMCJ1.5KE16A-TP	SMCJ48CA-TP
ER5J-TP	SK110-LTPS01	SK810L-TP-B002	SMBJ6.5A-TP	SMCJ1.5KE16CA-TP	SMCJ51A-TP
FR2G-LTP	SK1200-LTP	SK845L-TP	SMBJ6.5CA-TP	SMCJ1.5KE18A-TP	SMCJ51CA-TP
FR2M-LTP	SK12-LTP	SK84L-TP	SMBJ60A-TP	SMCJ1.5KE18A-TP-HF	SMCJ54A-TP
FR3B-TP	SK13-LTP	SK86L-TP	SMBJ60A-TP-HF	SMCJ1.5KE200A-TP	SMCJ54CA-TP
FR3G-LTP	SK14-LTP	SK86L-TP-HF	SMBJ7.0A-TP	SMCJ1.5KE22CA-TP	SMCJ58A-TP
FR3J-TP	SK15-LTP	SK88L-TP	SMBJ7.0A-TP-B002	SMCJ1.5KE24CA-TP	SMCJ58CA-TP
FR3MB-TP	SK16-LTP	SL115B-TP	SMBJ7.0CA-TP	SMCJ1.5KE30A-TP	SMCJ6.5CA-TP
FR3M-TP	SK18-LTP	SL34B-TP	SMBJ7.5A-TP	SMCJ1.5KE30CA-TP	SMCJ60A-TP
GS1G-LTP	SK210-LTP	SL36B-TP	SMBJ7.5CA-TP	SMCJ1.5KE33A-TP	SMCJ60CA-TP
GS1J-LTP	SK2150-LTP	SL510B-TP	SMBJ70A-TP	SMCJ1.5KE33CA-TP	SMCJ64A-TP
HS2K-TP	SK220-LTP	SL510-TP	SMBJ70CA-TP	SMCJ1.5KE36A-TP	SMCJ64CA-TP
MURS1DBL-TP	SK220-LTP-B002	SL510-TP-HF	SMBJ75CA-TP	SMCJ1.5KE36CA-TP	SMCJ70CA-TP
MURS1JBL-TP	SK23-LTP	SL54B-TP	SMBJ78CA-TP	SMCJ1.5KE39A-TP	SMCJ75A-TP
MURS2D-TP	SK24-LTP	SL54-TP	SMBJ85A-TP	SMCJ1.5KE39CA-TP	SMCJ75CA-TP
MURS2J-TP	SK24-LTP-L01	SL56B-TP	SMBJ85A-TP-HF	SMCJ1.5KE43A-TP	SMCJ78A-TP
MURS3D-TP	SK26-LTP	SL56-TP	SMBJ85CA-TP	SMCJ1.5KE43CA-TP	SMCJ78CA-TP
MURS3G-TP	SK310BH-LTP	SMBJ100A-TP	SMBJ9.0A-TP	SMCJ1.5KE47A-TP	SMCJ8.5A-TP
MURS3JB-TP	SK310B-LTP	SMBJ100CA-TP	SMBJP6KE100A-TP	SMCJ1.5KE47CA-TP	SMCJ85A-TP-HF
MURS4J-TP	SK310H-TP	SMBJ10A-TP	SMBJP6KE10CA-TP	SMCJ1.5KE51A-TP	SMLJ60S05-TP
MURS4J-TP-HF	SK310-TP	SMBJ10CA-TP	SMBJP6KE11A-TP	SMCJ1.5KE56A-TP	SMLJ60S10-TP
S10AL-TP	SK3150BH-LTP	SMBJ12A-TP	SMBJP6KE120CA-TP	SMCJ1.5KE56CA-TP	SMLJ60S1-TP
S10DLHE3-TP	SK3150B-LTP	SMBJ130A-TP	SMBJP6KE12A-TP	SMCJ1.5KE62A-TP	SMLJ60S1-TPS02
S10DL-TP	SK3150-TP	SMBJ130CA-TP	SMBJP6KE12CA-TP	SMCJ1.5KE68A-TP	SMLJ60S2-TP
S10GL-TP	SK3200B-LTP	SMBJ13CA-TP	SMBJP6KE13A-TP	SMCJ1.5KE75CA-TP	SMLJ60S6-TP
S10JL-TP	SK3200-TP	SMBJ14A-TP	SMBJP6KE150A-TP	SMCJ1.5KE82CA-TP	UF1G-TP
S10KL-TP	SK32B-LTP	SMBJ14CA-TP	SMBJP6KE150CA-TP	SMCJ10A-TP	UF1M-TP
S10ML-TP	SK32-TP	SMBJ150CA-TP	SMBJP6KE15A-TP	SMCJ110CA-TP	US2A-TP
S1A-LTP	SK33B-LTP	SMBJ15A-TP	SMBJP6KE170A-TP	SMCJ11A-TP	US2D-TP
S1G-LTP	SK33-TP	SMBJ15CA-TP	SMBJP6KE180A-TP	SMCJ120A-TP	US2G-TP
S1J-LTP	SK34B-LTP	SMBJ15CA-TP-HF	SMBJP6KE18CA-TP	SMCJ12A-TP	US2J-TP
S1M-LTP	SK34B-LTP-L01	SMBJ16CA-TP	SMBJP6KE200A-TP	SMCJ12CA-TP	US2K-TP
S2A-LTP	SK34-TP	SMBJ170A-TP	SMBJP6KE200CA-TP	SMCJ13A-TPS01	US2M-TP
S2B-LTP	SK35B-LTP	SMBJ170CA-TP	SMBJP6KE20A-TP	SMCJ14CA-TP	US5B-TP
S2D-LTP	SK35-TP	SMBJ17A-TP	SMBJP6KE220CA-TP	SMCJ150A-TP	US5D-TP
S2G-LTP	SK36B-LTP	SMBJ18A-TP	SMBJP6KE22CA-TP	SMCJ150CA-TP	US5G-TP
S2K-LTP-HF	SK36-TP	SMBJ18CA-TP	SMBJP6KE24CA-TP	SMCJ15CA-TP	US5J-TP
S2M-LTP	SK38B-LTP	SMBJ200A-TP	SMBJP6KE27A-TP	SMCJ160A-TP	US5K-TP
S2M-LTP-HF	SK38-TP	SMBJ20A-TP	SMBJP6KE27CA-TP	SMCJ16A-TP	US5M-TP
S3AB-TP	SK4200L-TP	SMBJ20CA-TP	SMBJP6KE30CA-TP		



Reliability Report

Part Number: SMBJ30CA-TP

Date: 2021-10-06

Test Results

Test Item	Conditions	Duration	Quantity	Rejects
TEST Pre- and Post-Stress Electrical Test	T _a = 25 °C	N/A	all parts	see below
PC Preconditioning	JESD22A-113 Bake T _a = 125 °C Soak T _a = 85 °C, RH = 85% Reflow soldering	24 hours 168 hours 3 cycles	308Pcs	0
HTRB High Temperature Reverse Bias	JESD22-A108 T _j = T _{jmax} , V _R > 80% of max. breakdown voltage	1000 hours	77Pcs	0
TC Temperature Cycling	JESD22-A104 -55 °C to T _{jmax}	1000 cycles	77Pcs	0
AC Autoclave	JESD22-A102 T _a = 121 °C, RH = 100 % Pressure = 2atm	96 hours	77Pcs	0
H3TRB High Humidity High Temperature Reverse Bias	JESD22-A101 T _a = 85 °C, RH = 85%, V _R > 80 % of rated breakdown voltage	1000 hours	77Pcs	0
VC Clamping Voltage	Pppm=Peak Pulse Power Dissipation IPP=IPP(Max)	5 cycles	77Pcs	0
ESD Human Body Model	JESD22-A114 4 KV	N/A	30Pcs	0
RSH Resistance to Solder Heat	JESD22-A111 / JESD22-B106 260 °C ± 5 °C	10 s	30Pcs	0
SD Solderability	J-STD-002 245 °C ± 5 °C	3 s	10Pcs	0
LTSL Low Temperature Storage Life	JESD22-A119 T _a ≤ -55 °C	1000 hours	32Pcs	0
HTSL High Temperature Storage Life	JESD22-A103 T _a ≥ 150 °C	1000 hours	77Pcs	0