



Date: November 15, 2021

PCN No#: 111521-1

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.

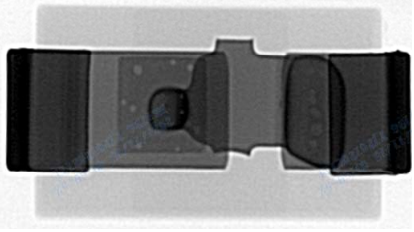
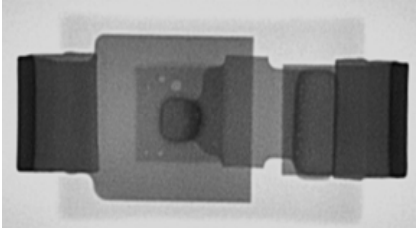

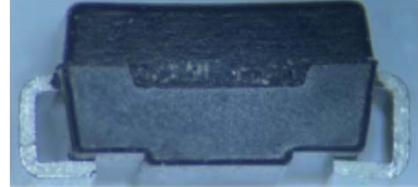
Sincerely,

MCC PCN Team



## PRODUCT CHANGE NOTICE

Notification Date	Implementation Date	Change Type	Classification	PCN No
Nov 15, 2021	Feb 15, 2022	Additional Qualified A/T	Major	111521-1
<b>TITLE</b>				
Additional Qualified (A/T) Assembly/Test Equipments				
<b>DESCRIPTION OF CHANGE</b>				
This PCN is being issued to notify customers that in order to assure continuity of supply, 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.				
<b>IMPACT</b>				
No change in datasheet electrical parameters and product performance. Table A: Lead frame comparison and package outline comparison				
<b>PRODUCTS AFFECTED</b>				
Table B				
<b>WEB LINKS</b>				
<b>Terms And Conditions:</b>	<a href="https://www.mccsemi.com/Home/TermsAndConditions">https://www.mccsemi.com/Home/TermsAndConditions</a>			
<b>For More Information Contact:</b>	<a href="https://www.mccsemi.com/Contact/Index">https://www.mccsemi.com/Contact/Index</a>			
<b>Products:</b>	<a href="https://www.mccsemi.com/ProductCategories">https://www.mccsemi.com/ProductCategories</a>			
<b>DISCLAIMER</b>				
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
Lead frame		
Package outline		

**Table B - List of affected products**

ES1A-LTP	ES2A-LTP	FS1A-LTP	GS1A-LTP	GS1AE-TP	M1-TP
ES1B-LTP	ES2B-LTP	FS1B-LTP	GS1B-LTP	GS1BE-TP	M2-TP
ES1D-LTP	ES2C-LTP	FS1D-LTP	GS1D-LTP	GS1DE-TP	M3-TP
ES1G-LTP	ES2D-LTP	FS1G-LTP	GS1G-LTP	GS1GE-TP	M4-TP
ES1J-LTP	ES2G-LTP	FS1J-LTP	GS1J-LTP	GS1JE-TP	M5-TP
SK32A-LTP	ES2J-LTP	FS1K-LTP	GS1K-LTP	GS1KE-TP	M6-TP
SK33A-LTP	SL14A-TP	FS1M-LTP	GS1M-LTP	GS1ME-TP	M7-TP
SK34A-LTP	SL16A-TP	SS12-LTP	GS1R-LTP	SS22-LTP	US1A-TP
SK345A-LTP	SL110A-TP	SS13-LTP	GS1Y-LTP	SS23-LTP	US1B-TP
SK35A-LTP	SL24A-TP	SS14-LTP	GS1Z-LTP	SS24-LTP	US1C-TP
SK36A-LTP	SL26A-TP	SS15-LTP	UG1A-TP	SS25-LTP	US1D-TP
SK38A-LTP	SL210A-TP	SS16-LTP	UG1B-TP	SS26-LTP	US1G-TP
SK310A-LTP	SL34A-TP	SS18-LTP	UG1C-TP	SS28-LTP	US1J-TP
MURS1G-TP	SL36A-TP	SS110-LTP	UG1D-TP	SS210-LTP	US1K-TP
MURS1J-TP	SL310A-TP	SS1150-LTP	UG1F-TP	SS2150-LTP	US1M-TP
MURS1JAL-TP	SK225L-TP	SS1200-LTP	UG1G-TP	SS220-LTP	US1Q-TP
SS13L-LTP	SS210H-LTP	HS1K-TP	US1ML-TP	GS2Y-LTP	US1R-TP
FM2000GP-TP	S1YA-TP				



# Reliability Report

**Part Number:SS26-TP**

**Date: 2021-05-07**

## Test Results

Test Item	Conditions	Duration	Quantity	Rejects
<b>TEST</b> Pre- and Post-Stress Electrical Test	T <sub>a</sub> = 25 °C	N/A	all parts	see below
<b>PC</b> Preconditioning	JESD22A-113 Bake T <sub>a</sub> = 125 °C Soak T <sub>a</sub> = 85 °C, RH = 85% Reflow soldering	24 hours 168 hours 3 cycles	308Pcs	0
<b>HTRB</b> High Temperature Reverse Bias	JESD22-A108 T <sub>j</sub> = T <sub>jmax</sub> , V <sub>R</sub> > 80% of max. breakdown voltage	1000 hours	77Pcs	0
<b>TC</b> Temperature Cycling	JESD22-A104 -55 °C to T <sub>jmax</sub>	1000 cycles	77Pcs	0
<b>AC</b> Autoclave	JESD22-A102 T <sub>a</sub> = 121 °C, RH = 100 % Pressure = 2atm	96 hours	77Pcs	0
<b>H3TRB</b> High Humidity High Temperature Reverse Bias	JESD22-A101 T <sub>a</sub> = 85 °C, RH = 85%, V <sub>R</sub> > 80 % of rated breakdown voltage	1000 hours	77Pcs	0
<b>IOL</b> Intermittent Operating Life	MIL-STD-750 Method 1037 t <sub>on</sub> = t <sub>off</sub> , devices powered to insure ΔT <sub>j</sub> = 100 °C for 15000 cycles	1000 hours	77Pcs	0
<b>ESD</b> <b>Human Body Model</b>	JESD22-A114 4 KV	N/A	30Pcs	0
<b>RSH</b> Resistance to Solder Heat	JESD22-A111 / JESD22-B106 260 °C ± 5 °C	10 s	30Pcs	0
<b>SD</b> Solderability	J-STD-002 245 °C ± 5 °C	3 s	10Pcs	0
<b>LTSL</b> Low Temperature Storage Life	JESD22-A119 T <sub>a</sub> ≤ -55 °C	1000 hours	32Pcs	0
<b>HTSL</b> High Temperature Storage Life	JESD22-A103 T <sub>a</sub> ≥ 150 °C	1000 hours	77Pcs	0