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Date: March 10, 2023

PCN No#: 031023-1

PCN Title: Add 2nd source for SRL05-TP

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.

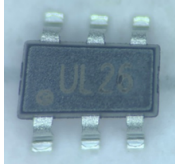
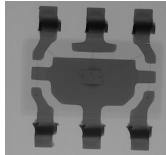
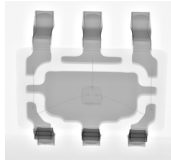
Sincerely,

MCC PCN Team

## PRODUCT CHANGE NOTICE

| Notification Date                                                                                                                                                                                                                                                       | Implementation Date                                                                                           | Change Type | PCN No   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------|----------|
| March 10, 2023                                                                                                                                                                                                                                                          | June 10, 2023                                                                                                 | Major       | 031023-1 |
| TITLE                                                                                                                                                                                                                                                                   |                                                                                                               |             |          |
| Add 2nd source for SRL05-TP                                                                                                                                                                                                                                             |                                                                                                               |             |          |
| DESCRIPTION OF CHANGE                                                                                                                                                                                                                                                   |                                                                                                               |             |          |
| To improve our current lead time for SRL05-TP, add 2nd source for this product.<br>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.<br>Table A: Appearance & X-ray comparison;                                                                                                                                                        |                                                                                                               |             |          |
| PRODUCTS AFFECTED                                                                                                                                                                                                                                                       |                                                                                                               |             |          |
| SRL05-TP                                                                                                                                                                                                                                                                |                                                                                                               |             |          |
| WEB LINKS                                                                                                                                                                                                                                                               |                                                                                                               |             |          |
| Terms And Conditions:                                                                                                                                                                                                                                                   | <a href="https://www.mccsemi.com/Home/TermsAndConditions">https://www.mccsemi.com/Home/TermsAndConditions</a> |             |          |
| For More Information Contact:                                                                                                                                                                                                                                           | <a href="https://www.mccsemi.com/Contact/Index">https://www.mccsemi.com/Contact/Index</a>                     |             |          |
| Products:                                                                                                                                                                                                                                                               | <a href="https://www.mccsemi.com/ProductCategories">https://www.mccsemi.com/ProductCategories</a>             |             |          |
| 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 - Appearance comparison

| Product  | Item    | Current                                                                            | New                                                                                 |
|----------|---------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SRL05-TP | Marking |  |  |
|          | X-Ray   |  |  |

# Reliability Report

Part Number: SRL05-TP

Date: 2023-03-10

Test Results : **PASS**

| 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>Pre-conditioning for MSL 1</b>                         | JESD22A-113<br>1.Temperature Cycling:-40 °C ~ 60 °C ,<br>2.Bake:125 °C ,<br>3 Moisture Soak:85 °C , 8 5%RH for MSL1;<br>4. Reflow*3Cycles:260 °C | 5Cycles;<br>24 hours;<br>168hours<br>3Cycles | 308Pcs    | 0         |
| <b>HTRB</b><br>High Temperature Reverse Bias                | MIL-STD-750<br>Method 1038<br>T <sub>j</sub> = T <sub>jmax</sub> , 100% VR                                                                       | 1000 hours                                   | 77Pcs     | 0         |
| <b>TC</b><br>Temperature Cycling                            | JESD22-A104<br>-55 °C (+0,-10)/15Min~<br>150(+15,-0)/15Min,                                                                                      | 1000Cycles<br>(500hours)                     | 77Pcs     | 0         |
| <b>AC</b><br>Autoclave                                      | JESD22-A102<br>T <sub>a</sub> = 121 °C±2 °C , RH = 100 % ,<br>15psig                                                                             | 96 hours                                     | 77Pcs     | 0         |
| <b>H3TRB</b><br>High Humidity High Temperature Reverse Bias | JESD22-A101<br>T <sub>a</sub> = 85 °C±2 °C , RH = 85%±5% ,<br>100 % VR (VR MAX=100V)                                                             | 1000 hours                                   | 77Pcs     | 0         |
| <b>RSH</b><br>Resistance to Solder Heat                     | JESD22-B106<br>260 °C ( + 5 , - 0 )                                                                                                              | 10 s                                         | 30Pcs     | 0         |
| <b>SD</b><br>Solderability                                  | J-STD-002<br>235 °C ± 5 °C                                                                                                                       | 3 s                                          | 10Pcs     | 0         |
| <b>HTSL</b><br>High Temperature Storage Life                | JESD22-A103<br>TstgMax                                                                                                                           | 1000 hours                                   | 77Pcs     | 0         |

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